

PRELIMINARY HYDROLOGY REPORT

for

TTM 38265

Located in the City of Moreno Valley
County of Riverside

Prepared For:

Passco Pacifica, LLC
333 City Boulevard West 17th Floor
Orange, CA 92866
Tel: (714) 609-7257

Prepared by:

adkan
ENGINEERS

6879 Airport Drive
Riverside, CA 92504
Tel (951) 688-0241
Fax (951) 688-0599

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Table of Contents

1. Purpose.....	1
2. Project Description	1
A. Vicinity Map.....	1
3. Pre-Development Hydrology/Hydraulic Conditions.....	1
4. Post-Development Hydrology/Hydraulic Conditions	2
5. Method of Analysis.....	2
6. Conclusion	2
Pre-Development Onsite and Offsite 10 & 100 year (Rational Method).....	Section 1, pages 5-16
Map.....	pg 15
Post-Development Onsite and Offsite 10 & 100 year (Rational Method).....	Section 2, pages 17-34
Map.....	pg 33
Pre-Development Onsite Unit Hydrograph (2,5,10 & 100 Year Storm Events).....	Section 3, pages 35-182
Map.....	pg 181
Post-Development Onsite Unit Hydrograph (2,5,10 & 100 Year Storm Events).....	Section 4, pages 183-330
Map.....	pg 329
Basin Routing.....	Section 5, pages 331-458
Riverside County Plates/Reference.....	Section 6, pages 459-470

1. Purpose

The purpose of this study is to substantiate the hydrology design of TTM 38265. Adkan Engineers has prepared this study to ensure that adequate size and proper operation of drainage facilities are incorporated into the Post-Development project site.

2. Project Description

TTM 38265 is located in the City of Moreno Valley North of Alessandro Blvd, East of Pegasus Way, South of Bay Avenue and West of Nason Street. The planned development will consist of 236 lots, street improvements, community park and 2 onsite stormwater treatment area (Bioretention Basin), for water quality.

A. Vicinity Map**3. Pre-Development Hydrology**

The site is vacant and runoff flows from the site and offsite flow towards the southwest corner of the site. There is a inlet at the southwest corner of the site near Alessandro Blvd that collect the flows into Lateral J-6A1 on Alessandro Blvd that drains towards the a 48" RCP MDP Line (Line J-6) per the Moreno Master Drainage plan.

Drainage Area	
Q10 (cfs)	53.98
Q100 (cfs)	90.74
TC (min)	22.36
Acres	59.38

4. Post-Development Hydrology

Onsite flows from the north will flow towards the south west into the proposed onsite catch basins. Then the runoff will flow into 2 proposed bioretention basins for treatment prior to leaving the site. Offsite flow flowing towards the site will flow towards the south towards Alessandro Blvd. Line J-6 of the Moreno Master Drainage plan will be extended to the south east corner of the site to collect the offsite flows. Onsite flows will be collected by the proposed onsite storm drain line and will connect to Lateral J-6A1. The new Q100 (cfs) of 91.91 is less than what the existing storm drain was designed for. Sheet 17 from the Flood Control Plan DWG 4-858 has been added to the reference section at the end of this report.

Drainage Area	
Q10 (cfs)	55.65
Q100 (cfs)	91.91
TC (min)	23.33
Acres	58.69

5. Method of Analysis

The site hydrology was based upon Riverside County Flood Control and Water Conservation District Hydrology Manual, from which pertinent soil and rainfall information was obtained.

Storm flows were determined by the "RATIONAL METHOD HYDROLOGY COMPUTER PROGRAM", Riverside County Flood Control & Water Conservation District 1978 Hydrology Manual, produced by Bondamin Engineering.

The site was also analyzed by the "SYNTHETIC UNIT HYDROLOGY METHOD COMPUTER PROGRAM", Riverside County Flood Control & Water Conservation District 1978 Hydrology Manual, produced by Bondamin Engineering.

6. Conclusion

The hydrologic calculations provided herein substantiate the design of the Post-Development project and indicate the following:

- Facilities will convey the 10 & 100 year storm events. Table 1 shows the pre-development and post-development peak flow rates for the 10-year and 100-year storm events.
- All inlets will provide emergency overflows in the event all inlets are plugged. Inlets in tract have been designed as flow by catch basins. The sump catch basins are either located at basins, in which event they will flow over the curb into the basin if the catch basins are clogged, or at the end of an alley with an open space lot for overflow, such as through open space lot F and G.
- Sufficient storage on the site will store the difference between the pre and post 2,5,10 & 100-year 1,3,6 & 24-hour storm event in order to provide the mitigation.

Therefore, it is our conclusion this project **does not** negatively impact the local community or watershed goals.

NORTH

Storm Event	Existing		Proposed		Proposed		
	cfs	volume ac.ft.	cfs	volume ac.ft.	cfs	volume ac.ft.	Depth
2yr1hr	5.033	0.0976	7.961	0.2366	0.002	0.2360	2.50
2yr3hr	1.181	0.0674	3.845	0.3446	0.003	0.3440	3.20
2yr6hr	1.160	0.0941	3.884	0.5172	0.004	0.5160	3.76
2yr24hr	0.206	0.1249	1.275	0.7747	0.094	0.7080	4.60
5yr1hr	7.653	0.1539	11.247	0.3243	0.003	0.3240	3.13
5yr3hr	2.915	0.1269	5.705	0.4665	0.004	0.4660	3.60
5yr6hr	2.463	0.1452	5.285	0.6545	0.051	0.6510	4.31
5yr24hr	0.278	0.1688	1.723	1.0468	0.256	0.9050	5.52
10yr1hr	11.384	0.2895	14.451	0.4125	0.003	0.4120	3.42
10yr3hr	5.917	0.2687	7.867	0.5890	0.004	0.5880	4.00
10yr6hr	5.253	0.2922	7.143	0.7879	0.147	0.7790	4.95
10yr24hr	0.628	0.2135	2.062	1.2527	0.398	1.0550	6.18
100yr1hr	18.974	0.5742	22.938	0.6858	0.075	0.6840	4.47
100yr3hr	10.594	0.5965	12.850	0.9560	0.290	0.9420	5.69
100yr6hr	8.952	0.6027	11.078	1.1939	0.510	1.1580	6.60
100yr24hr	2.443	0.6082	3.611	1.9608	2.511	1.3700	7.42

SOUTH

Storm Event	Existing		Proposed		Proposed		
	cfs	volume ac.ft.	cfs	volume ac.ft.	cfs	volume ac.ft.	Depth
2yr1hr	5.977	0.1157	8.970	0.2803	0.003	0.2800	2.92
2yr3hr	1.402	0.0798	4.498	0.4084	0.004	0.4080	3.69
2yr6hr	1.378	0.1115	4.548	0.6128	0.006	0.6110	4.74
2yr24hr	0.244	0.1480	1.510	0.9179	0.110	0.8380	5.70
5yr1hr	9.090	0.1823	12.688	0.3843	0.004	0.3840	3.55
5yr3hr	3.441	0.1504	6.658	0.5528	0.005	0.5520	4.45
5yr6hr	2.905	0.1720	6.169	0.7755	0.070	0.7710	5.43
5yr24hr	0.329	0.2001	2.041	1.2404	0.222	1.0840	6.60
10yr1hr	13.517	0.3430	16.350	0.4887	0.005	0.4880	4.14
10yr3hr	6.992	0.3184	9.183	0.6979	0.026	0.6970	5.13
10yr6hr	6.208	0.3463	8.351	0.9336	0.159	0.9230	6.04
10yr24hr	0.744	0.2529	2.443	1.4843	0.367	1.2710	7.21
100yr1hr	22.524	0.6803	26.002	0.8126	0.093	0.8100	5.59
100yr3hr	12.524	0.7068	15.014	1.1327	0.236	1.1200	6.72
100yr6hr	10.583	0.7142	12.965	1.4146	0.522	1.3780	7.53
100yr24hr	2.895	0.7207	4.277	2.3232	2.965	1.5190	7.89

Section 1

**Pre-Development 10 & 100 year Hydrology Offsite & Onsite
(Rational Method)**

***** Hydrology Study Control Information *****

English (in-lb) Units used in input data file

Program License Serial Number 5006

Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) = 10.00 Antecedent Moisture Condition = 2

2 year, 1 hour precipitation = 0.500(In.)
100 year, 1 hour precipitation = 1.200(In.)

Storm event year = 10.0
Calculated rainfall intensity data:
1 hour intensity = 0.788(In/Hr)
Slope of intensity duration curve = 0.5000

Process from Point/Station 1.000 to Point/Station 2.000
**** INITIAL AREA EVALUATION ****

Initial area flow distance = 849.000(Ft.)
Top (of initial area) elevation = 1645.000(Ft.)
Bottom (of initial area) elevation = 1624.000(Ft.)
Difference in elevation = 21.000(Ft.)
Slope = 0.02473 s(percent)= 2.47
TC = $k(0.530)^*[(length^3)/(elevation\ change)]^{0.2}$
Initial area time of concentration = 16.488 min.
Rainfall intensity = 1.503(In/Hr) for a 10.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.720
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2) = 78.00
Pervious area fraction = 1.000; Impervious fraction = 0.000
Initial subarea runoff = 9.717(CFS)
Total initial stream area = 8.980(Ac.)
Pervious area fraction = 1.000

Process from Point/Station 2.000 to Point/Station 3.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****

Top of natural channel elevation = 1624.000(Ft.)
End of natural channel elevation = 1583.700(Ft.)
Length of natural channel = 2030.000(Ft.)
Estimated mean flow rate at midpoint of channel = 36.987(CFS)
Natural valley channel type used
L.A. County flood control district formula for channel velocity:
Velocity(ft/s) = $(7 + 8(q(English\ Units)^{.352})(slope^{0.5}))$
Velocity using mean channel flow = 5.00(Ft/s)
Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
Normal channel slope = 0.0199
Corrected/adjusted channel slope = 0.0199
Travel time = 6.76 min. TC = 23.25 min.
Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.694
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2) = 78.00
Pervious area fraction = 1.000; Impervious fraction = 0.000
Rainfall intensity = 1.266(In/Hr) for a 10.0 year storm
Subarea runoff = 44.268(CFS) for 50.400(Ac.)
Total runoff = 53.985(CFS) Total area = 59.380(Ac.)
End of computations, total study area = 59.38 (Ac.)
The following figures maybe used for a unit hydrograph study of the same area.

RI index for soil(AMC 2) = 78.00
Pervious area fraction = 1.000; Impervious fraction = 0.000
Rainfall intensity = 1.266(In/Hr) for a 10.0 year storm
Subarea runoff = 44.284(CFS) for 50.400(Ac.)
Total runoff = 54.272(CFS) Total area = 59.630(Ac.)
End of computations, total study area = 59.63 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged RI index number = 78.0

Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2014 Version 9.0
Rational Hydrology Study Date: 02/16/22 File:EX110.out

***** Hydrology Study Control Information *****

English (in-lb) Units used in input data file

Program License Serial Number 5006

Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) = 10.00 Antecedent Moisture Condition = 2

2 year, 1 hour precipitation = 0.500(In.)
100 year, 1 hour precipitation = 1.200(In.)

Storm event year = 10.0
Calculated rainfall intensity data:
1 hour intensity = 0.788(In/Hr)
Slope of intensity duration curve = 0.5000

Process from Point/Station 100.000 to Point/Station 101.000
**** INITIAL AREA EVALUATION ****

Initial area flow distance = 848.000(Ft.)
Top (of initial area) elevation = 1644.500(Ft.)
Bottom (of initial area) elevation = 1624.000(Ft.)
Difference in elevation = 20.500(Ft.)
Slope = 0.02417 s(percent) = 2.42
 $TC = k(0.530)^{1/3}[(length^3)/(elevation\ change)]^{0.2}$
Initial area time of concentration = 16.556 min.
Rainfall intensity = 1.500(In/Hr) for a 10.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.720
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2) = 78.00
Pervious area fraction = 1.000; Impervious fraction = 0.000
Initial subarea runoff = 5.084(CFS)
Total initial stream area = 4.710(Ac.)
Pervious area fraction = 1.000

Process from Point/Station 101.000 to Point/Station 102.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****

Top of natural channel elevation = 1624.000(Ft.)
End of natural channel elevation = 1608.000(Ft.)
Length of natural channel = 535.000(Ft.)
Estimated mean flow rate at midpoint of channel = 5.926(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
 $Velocity(ft/s) = (7 + 8(q(English\ Units)^{.352})(slope^{0.5}))$
Velocity using mean channel flow = 3.80(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
Normal channel slope = 0.0299
Corrected/adjusted channel slope = 0.0299
Travel time = 2.35 min. TC = 18.90 min.

Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.710
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000

RI index for soil(AMC 2) = 78.00
 Pervious area fraction = 1.000; Impervious fraction = 0.000
 Rainfall intensity = 1.404(In/Hr) for a 10.0 year storm
 Subarea runoff = 1.555(CFS) for 1.560(Ac.)
 Total runoff = 6.639(CFS) Total area = 6.270(Ac.)
 End of computations, total study area = 6.27 (Ac.)
 The following figures may
 be used for a unit hydrograph study of the same area.

 Area averaged pervious area fraction(Ap) = 1.000
 Area averaged RI index number = 78.0

***** Hydrology Study Control Information *****

English (in-lb) Units used in input data file

Program License Serial Number 5006

Rational Method Hydrology Program based on
 Riverside County Flood Control & Water Conservation District
 1978 hydrology manual

Storm event (year) = 100.00 Antecedent Moisture Condition = 2

2 year, 1 hour precipitation = 0.500(In.)
 100 year, 1 hour precipitation = 1.200(In.)

Storm event year = 100.0
 Calculated rainfall intensity data:
 1 hour intensity = 1.200(In/Hr)
 Slope of intensity duration curve = 0.5000

 Process from Point/Station 1.000 to Point/Station 2.000
 **** INITIAL AREA EVALUATION ****

Initial area flow distance = 849.000(Ft.)
 Top (of initial area) elevation = 1645.000(Ft.)
 Bottom (of initial area) elevation = 1624.000(Ft.)
 Difference in elevation = 21.000(Ft.)
 Slope = 0.02473 s(percent)= 2.47
 $TC = k(0.530)^{1/3}[(length^3)/(elevation\ change)]^{0.2}$
 Initial area time of concentration = 16.488 min.
 Rainfall intensity = 2.289(In/Hr) for a 100.0 year storm
 UNDEVELOPED (poor cover) subarea
 Runoff Coefficient = 0.773
 Decimal fraction soil group A = 0.000
 Decimal fraction soil group B = 1.000
 Decimal fraction soil group C = 0.000
 Decimal fraction soil group D = 0.000
 RI index for soil(AMC 2) = 78.00
 Pervious area fraction = 1.000; Impervious fraction = 0.000
 Initial subarea runoff = 16.333(CFS)
 Total initial stream area = 9.230(Ac.)
 Pervious area fraction = 1.000

 Process from Point/Station 2.000 to Point/Station 3.000
 **** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****

Top of natural channel elevation = 1624.000(Ft.)
 End of natural channel elevation = 1583.700(Ft.)
 Length of natural channel = 2030.000(Ft.)
 Estimated mean flow rate at midpoint of channel = 60.924(CFS)

Natural valley channel type used
 L.A. County flood control district formula for channel velocity:
 $Velocity(ft/s) = (7 + 8(q(English\ Units)^{.352})(slope^{.5}))$
 Velocity using mean channel flow = 5.78(Ft/s)

Correction to map slope used on extremely rugged channels with
 drops and waterfalls (Plate D-6.2)
 Normal channel slope = 0.0199
 Corrected/adjusted channel slope = 0.0199
 Travel time = 5.86 min. TC = 22.35 min.

Adding area flow to channel
 UNDEVELOPED (poor cover) subarea
 Runoff Coefficient = 0.756
 Decimal fraction soil group A = 0.000
 Decimal fraction soil group B = 1.000
 Decimal fraction soil group C = 0.000
 Decimal fraction soil group D = 0.000

EX 100YR

Page 1 of 2

RI index for soil(AMC 2) = 78.00
Pervious area fraction = 1.000; Impervious fraction = 0.000
Rainfall intensity = 1.966(In/Hr) for a 100.0 year storm
Subarea runoff = 74.872(CFS) for 50.400(Ac.)
Total runoff = 91.204(CFS) Total area = 59.630(Ac.)
End of computations, total study area = 59.63 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged RI index number = 78.0

***** Hydrology Study Control Information *****

English (in-lb) Units used in input data file

Program License Serial Number 5006

Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) = 100.00 Antecedent Moisture Condition = 2

2 year, 1 hour precipitation = 0.500(In.)
100 year, 1 hour precipitation = 1.200(In.)

Storm event year = 100.0
Calculated rainfall intensity data:
1 hour intensity = 1.200(In/Hr)
Slope of intensity duration curve = 0.5000

Process from Point/Station 100.000 to Point/Station 101.000
**** INITIAL AREA EVALUATION ****

Initial area flow distance = 848.000(Ft.)
Top (of initial area) elevation = 1644.500(Ft.)
Bottom (of initial area) elevation = 1624.000(Ft.)
Difference in elevation = 20.500(Ft.)
Slope = 0.02417 s(percent) = 2.42
TC = $k(0.530)^{1/3}[(\text{length}^3)/(\text{elevation change})]^{0.2}$
Initial area time of concentration = 16.556 min.
Rainfall intensity = 2.284(In/Hr) for a 100.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.773
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2) = 78.00
Pervious area fraction = 1.000; Impervious fraction = 0.000
Initial subarea runoff = 8.315(CFS)
Total initial stream area = 4.710(Ac.)
Pervious area fraction = 1.000

Process from Point/Station 101.000 to Point/Station 102.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****

Top of natural channel elevation = 1624.000(Ft.)
End of natural channel elevation = 1608.000(Ft.)
Length of natural channel = 535.000(Ft.)
Estimated mean flow rate at midpoint of channel = 9.692(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
Velocity(ft/s) = $(7 + 8(q(\text{English Units})^{.352})(\text{slope}^{0.5}))$
Velocity using mean channel flow = 4.29(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
Normal channel slope = 0.0299
Corrected/adjusted channel slope = 0.0299
Travel time = 2.08 min. TC = 18.64 min.

Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.766
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000

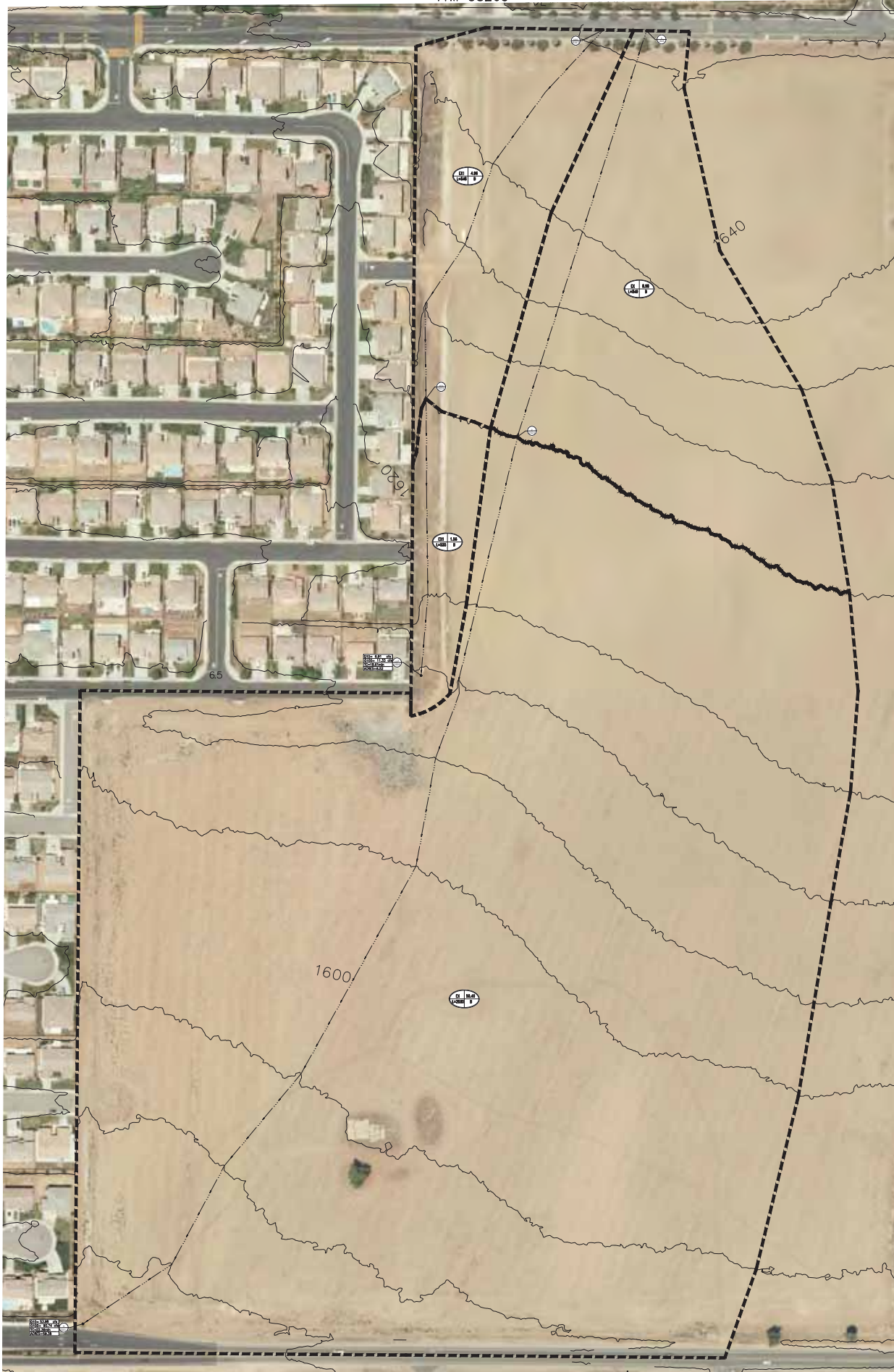
EX1 100YR

Page 1 of 2

RI index for soil(AMC 2) = 78.00
 Pervious area fraction = 1.000; Impervious fraction = 0.000
 Rainfall intensity = 2.153(In/Hr) for a 100.0 year storm
 Subarea runoff = 2.574(CFS) for 1.560(Ac.)
 Total runoff = 10.888(CFS) Total area = 6.270(Ac.)
 End of computations, total study area = 6.27 (Ac.)
 The following figures may
 be used for a unit hydrograph study of the same area.

 Area averaged pervious area fraction(Ap) = 1.000
 Area averaged RI index number = 78.0

PRE-DEVELOPMENT HYDROLOGY MAP
TTM 38265



LEGEND

AREA ACRES
LENGTH SQ.

--- DRAINAGE AREA BOUNDARY

--- FLOW PATH

SCALE: 1" = 200'

**PRE DEVELOPMENT
HYDROLOGY MAP**
TTM 38265
FEBRUARY 2022
PEAK FLOW: 1.11 CFS
PEAK FLOW: 1.11 CFS

**adrian
ENGINEERS**
101 Corporate Center, Suite 200
4000 W. 10th St., Pomona, CA 91768
TEL: 951-866-2211 FAX: 951-866-2212

PROJECT: PRE-DEVELOPMENT HYDROLOGY MAP TTM 38265

Section 2

**Post-Development 10 & 100 year Hydrology Offsite & Onsite
(Rational Method)**

Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2014 Version 9.0
 Rational Hydrology Study Date: 07/07/22 File:off10.out

 ***** Hydrology Study Control Information *****

English (in-lb) Units used in input data file

Program License Serial Number 5006

Rational Method Hydrology Program based on
 Riverside County Flood Control & Water Conservation District 1978 hydrology manual
 Storm event (year) = 10.00 Antecedent Moisture Condition = 2
 2 year, 1 hour precipitation = 0.500(In.)
 100 year, 1 hour precipitation = 1.200(In.)
 Storm event year = 10.0
 Calculated rainfall intensity data:
 1 hour intensity = 0.788(In/Hr)
 Slope of intensity duration curve = 0.5000

 Process from Point/Station 100.000 to Point/Station 101.000
 **** INITIAL AREA EVALUATION ****

Initial area flow distance = 848.000(Ft.)
 Top (of initial area) elevation = 1644.500(Ft.)
 Bottom (of initial area) elevation = 1624.000(Ft.)
 Difference in elevation = 20.500(Ft.)
 Slope = 0.02417 s(percent)= 2.42
 $TC = k(0.530)*[(length^3)/(elevation\ change)]^{0.2}$
 Initial area time of concentration = 16.556 min.
 Rainfall intensity = 1.500(In/Hr) for a 10.0 year storm
 UNDEVELOPED (poor cover) subarea
 Runoff Coefficient = 0.720
 Decimal fraction soil group A = 0.000
 Decimal fraction soil group B = 1.000
 Decimal fraction soil group C = 0.000
 Decimal fraction soil group D = 0.000
 RI index for soil(AMC 2) = 78.00
 Pervious area fraction = 1.000; Impervious fraction = 0.000
 Initial subarea runoff = 5.354(CFS)
 Total initial stream area = 4.960(Ac.)
 Pervious area fraction = 1.000

 Process from Point/Station 101.000 to Point/Station 102.000
 **** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****

Top of natural channel elevation = 1624.000(Ft.)
 End of natural channel elevation = 1608.000(Ft.)
 Length of natural channel = 535.000(Ft.)
 Estimated mean flow rate at midpoint of channel = 6.196(CFS)
 Natural valley channel type used
 L.A. County flood control district formula for channel velocity:
 $Velocity(ft/s) = (7 + 8(q(English\ Units)^{.352})(slope^{0.5}))$
 Velocity using mean channel flow = 3.84(Ft/s)
 Correction to map slope used on extremely rugged channels with
 drops and waterfalls (Plate D-6.2)
 Normal channel slope = 0.0299
 Corrected/adjusted channel slope = 0.0299
 Travel time = 2.32 min. TC = 18.88 min.
 Adding area flow to channel
 UNDEVELOPED (poor cover) subarea
 Runoff Coefficient = 0.710
 Decimal fraction soil group A = 0.000
 Decimal fraction soil group B = 1.000
 Decimal fraction soil group C = 0.000
 Decimal fraction soil group D = 0.000
 RI index for soil(AMC 2) = 78.00
 Pervious area fraction = 1.000; Impervious fraction = 0.000
 Rainfall intensity = 1.405(In/Hr) for a 10.0 year storm
 Subarea runoff = 1.556(CFS) for 1.560(Ac.)
 Total runoff = 6.910(CFS) Total area = 6.520(Ac.)
 End of computations, total study area = 6.52 (Ac.)
 The following figures maybe used for a unit hydrograph study of the same area.
 Area averaged pervious area fraction(Ap) = 1.000
 Area averaged RI index number = 78.0

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Process from Point/Station      4.000 to Point/Station      5.000
**** INITIAL AREA EVALUATION ****

Initial area flow distance = 676.000(Ft.)
Top (of initial area) elevation = 1600.600(Ft.)
Bottom (of initial area) elevation = 1593.000(Ft.)
Difference in elevation = 7.600(Ft.)
Slope = 0.01124 s(percent)= 1.12
TC = k(0.370)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 12.303 min.
Rainfall intensity = 1.740(In/Hr) for a 10.0 year storm
CONDOMINIUM subarea type
Runoff Coefficient = 0.782
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2) = 56.00
Pervious area fraction = 0.350; Impervious fraction = 0.650
Initial subarea runoff = 6.066(CFS)
Total initial stream area = 4.460(Ac.)
Pervious area fraction = 0.350

*****
Process from Point/Station      5.000 to Point/Station      6.000
**** STREET FLOW TRAVEL TIME + SUBAREA FLOW ADDITION ****

Top of street segment elevation = 1593.000(Ft.)
End of street segment elevation = 1582.000(Ft.)
Length of street segment = 504.000(Ft.)
Height of curb above gutter flowline = 6.0(In.)
Width of half street (curb to crown) = 12.000(Ft.)
Distance from crown to crossfall grade break = 10.000(Ft.)
Slope from gutter to grade break (v/hz) = 0.020
Slope from grade break to crown (v/hz) = 0.020
Street flow is on [2] side(s) of the street
Distance from curb to property line = 2.000(Ft.)
Slope from curb to property line (v/hz) = 0.020
Gutter width = 2.000(Ft.)
Gutter hike from flowline = 2.000(In.)
Manning's N in gutter = 0.0150
Manning's N from gutter to grade break = 0.0150
Manning's N from grade break to crown = 0.0150
Estimated mean flow rate at midpoint of street = 9.491(CFS)
Depth of flow = 0.348(Ft.), Average velocity = 3.523(Ft/s)
Streetflow hydraulics at midpoint of street travel:
Halfstreet flow width = 11.046(Ft.)
Flow velocity = 3.52(Ft/s)
Travel time = 2.38 min. TC = 14.69 min.
Adding area flow to street
CONDOMINIUM subarea type
Runoff Coefficient = 0.775
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2) = 56.00
Pervious area fraction = 0.350; Impervious fraction = 0.650
Rainfall intensity = 1.593(In/Hr) for a 10.0 year storm
Subarea runoff = 6.678(CFS) for 5.410(Ac.)
Total runoff = 12.744(CFS) Total area = 9.870(Ac.)
Street flow at end of street = 12.744(CFS)
Half street flow at end of street = 6.372(CFS)
Depth of flow = 0.375(Ft.), Average velocity = 3.835(Ft/s)
Note: depth of flow exceeds top of street crown.
Flow width (from curb towards crown)= 12.000(Ft.)

*****
Process from Point/Station      6.000 to Point/Station      3.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 1582.000(Ft.)
Downstream point/station elevation = 1572.000(Ft.)
Pipe length = 10.00(Ft.) Manning's N = 0.013
No. of pipes = 1 Required pipe flow = 12.744(CFS)
Nearest computed pipe diameter = 9.00(In.)
Calculated individual pipe flow = 12.744(CFS)
Normal flow depth in pipe = 5.93(In.)
Flow top width inside pipe = 8.53(In.)
Critical depth could not be calculated.
Pipe flow velocity = 41.32(Ft/s)
Travel time through pipe = 0.00 min.
Time of concentration (TC) = 14.69 min.

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+++++
Process from Point/Station      3.000 to Point/Station      3.000
**** CONFLUENCE OF MINOR STREAMS ****

Along Main Stream number: 1 in normal stream number 2
Stream flow area =      9.870(Ac.)
Runoff from this stream =    12.744(CFS)
Time of concentration =    14.69 min.
Rainfall intensity =    1.592(In/Hr)
Summary of stream data:

Stream   Flow rate      TC      Rainfall Intensity
No.      (CFS)      (min)      (In/Hr)

1         10.804      14.21         1.619
2         12.744      14.69         1.592
Largest stream flow has longer time of concentration
Qp =    12.744 + sum of
          Qb      Ia/Ib
Qp =    10.804 *    0.984 =    10.626
          23.371

Total of 2 streams to confluence:
Flow rates before confluence point:
    10.804      12.744
Area of streams before confluence:
    8.330      9.870
Results of confluence:
Total flow rate =    23.371(CFS)
Time of concentration =    14.691 min.
Effective stream area after confluence =    18.200(Ac.)

+++++
Process from Point/Station      3.000 to Point/Station      7.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 1572.000(Ft.)
Downstream point/station elevation = 1571.600(Ft.)
Pipe length =    50.00(Ft.)  Manning's N = 0.013
No. of pipes = 1  Required pipe flow =    23.371(CFS)
Nearest computed pipe diameter =    27.00(In.)
Calculated individual pipe flow =    23.371(CFS)
Normal flow depth in pipe =    19.01(In.)
Flow top width inside pipe =    24.65(In.)
Critical Depth =    20.31(In.)
Pipe flow velocity =    7.81(Ft/s)
Travel time through pipe =    0.11 min.
Time of concentration (TC) =    14.80 min.

+++++
Process from Point/Station      7.000 to Point/Station      7.000
**** CONFLUENCE OF MINOR STREAMS ****

Along Main Stream number: 1 in normal stream number 1
Stream flow area =    18.200(Ac.)
Runoff from this stream =    23.371(CFS)
Time of concentration =    14.80 min.
Rainfall intensity =    1.587(In/Hr)

+++++
Process from Point/Station      7.100 to Point/Station      7.200
**** INITIAL AREA EVALUATION ****

Initial area flow distance =    660.000(Ft.)
Top (of initial area) elevation = 1588.900(Ft.)
Bottom (of initial area) elevation = 1583.700(Ft.)
Difference in elevation =    5.200(Ft.)
Slope =    0.00788  s(percent)=    0.79
TC = k(0.300)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    10.608 min.
Rainfall intensity =    1.874(In/Hr) for a    10.0 year storm
COMMERCIAL subarea type
Runoff Coefficient = 0.868
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2) =    56.00
Pervious area fraction = 0.100; Impervious fraction = 0.900
Initial subarea runoff =    1.821(CFS)
Total initial stream area =    1.120(Ac.)

```

Pervious area fraction = 0.100

Process from Point/Station 7.200 to Point/Station 7.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 1583.700(Ft.)
Downstream point/station elevation = 1571.800(Ft.)
Pipe length = 29.00(Ft.) Manning's N = 0.013
No. of pipes = 1 Required pipe flow = 1.821(CFS)
Nearest computed pipe diameter = 6.00(In.)
Calculated individual pipe flow = 1.821(CFS)
Normal flow depth in pipe = 3.02(In.)
Flow top width inside pipe = 6.00(In.)
Critical depth could not be calculated.
Pipe flow velocity = 18.37(Ft/s)
Travel time through pipe = 0.03 min.
Time of concentration (TC) = 10.63 min.

Process from Point/Station 7.000 to Point/Station 7.000
**** CONFLUENCE OF MINOR STREAMS ****

Along Main Stream number: 1 in normal stream number 2
Stream flow area = 1.120(Ac.)
Runoff from this stream = 1.821(CFS)
Time of concentration = 10.63 min.
Rainfall intensity = 1.872(In/Hr)
Summary of stream data:

Stream No.	Flow rate (CFS)	TC (min)	Rainfall Intensity (In/Hr)

1	23.371	14.80	1.587
2	1.821	10.63	1.872

Largest stream flow has longer time of concentration

Qp = 23.371 + sum of
Qb Ia/Ib
1.821 * 0.848 = 1.544
Qp = 24.914

Total of 2 streams to confluence:

Flow rates before confluence point:

23.371 1.821

Area of streams before confluence:

18.200 1.120

Results of confluence:

Total flow rate = 24.914(CFS)

Time of concentration = 14.798 min.

Effective stream area after confluence = 19.320(Ac.)

Process from Point/Station 7.000 to Point/Station 11.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 1571.800(Ft.)
Downstream point/station elevation = 1571.600(Ft.)
Pipe length = 68.00(Ft.) Manning's N = 0.013
No. of pipes = 1 Required pipe flow = 24.914(CFS)
Nearest computed pipe diameter = 33.00(In.)
Calculated individual pipe flow = 24.914(CFS)
Normal flow depth in pipe = 23.77(In.)
Flow top width inside pipe = 29.63(In.)
Critical Depth = 19.83(In.)
Pipe flow velocity = 5.44(Ft/s)
Travel time through pipe = 0.21 min.
Time of concentration (TC) = 15.01 min.

Process from Point/Station 11.000 to Point/Station 11.000
**** CONFLUENCE OF MINOR STREAMS ****

Along Main Stream number: 1 in normal stream number 1
Stream flow area = 19.320(Ac.)
Runoff from this stream = 24.914(CFS)
Time of concentration = 15.01 min.
Rainfall intensity = 1.576(In/Hr)

Process from Point/Station 8.000 to Point/Station 9.000
**** INITIAL AREA EVALUATION ****


```

Initial area flow distance = 849.000(Ft.)
Top (of initial area) elevation = 1645.000(Ft.)
Bottom (of initial area) elevation = 1624.000(Ft.)
Difference in elevation = 21.000(Ft.)
Slope = 0.02473 s(percent)= 2.47
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 16.488 min.
Rainfall intensity = 1.503(In/Hr) for a 10.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.720
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2) = 78.00
Pervious area fraction = 1.000; Impervious fraction = 0.000
Initial subarea runoff = 9.988(CFS)
Total initial stream area = 9.230(Ac.)
Pervious area fraction = 1.000

*****
Process from Point/Station 9.000 to Point/Station 10.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****

Top of natural channel elevation = 1624.000(Ft.)
End of natural channel elevation = 1588.900(Ft.)
Length of natural channel = 1861.000(Ft.)
Estimated mean flow rate at midpoint of channel = 26.431(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5))
Velocity using mean channel flow = 4.44(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
Normal channel slope = 0.0189
Corrected/adjusted channel slope = 0.0189
Travel time = 6.99 min. TC = 23.47 min.

Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.693
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2) = 78.00
Pervious area fraction = 1.000; Impervious fraction = 0.000
Rainfall intensity = 1.260(In/Hr) for a 10.0 year storm
Subarea runoff = 26.536(CFS) for 30.390(Ac.)
Total runoff = 36.524(CFS) Total area = 39.620(Ac.)

*****
Process from Point/Station 10.000 to Point/Station 11.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 1588.900(Ft.)
Downstream point/station elevation = 1571.600(Ft.)
Pipe length = 753.00(Ft.) Manning's N = 0.013
No. of pipes = 1 Required pipe flow = 36.524(CFS)
Nearest computed pipe diameter = 24.00(In.)
Calculated individual pipe flow = 36.524(CFS)
Normal flow depth in pipe = 21.60(In.)
Flow top width inside pipe = 14.40(In.)
Critical depth could not be calculated.
Pipe flow velocity = 12.27(Ft/s)
Travel time through pipe = 1.02 min.
Time of concentration (TC) = 24.50 min.

*****
Process from Point/Station 11.000 to Point/Station 11.000
**** CONFLUENCE OF MINOR STREAMS ****

Along Main Stream number: 1 in normal stream number 2
Stream flow area = 39.620(Ac.)
Runoff from this stream = 36.524(CFS)
Time of concentration = 24.50 min.
Rainfall intensity = 1.233(In/Hr)
Summary of stream data:

Stream Flow rate TC Rainfall Intensity

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No.	(CFS)	(min)	(In/Hr)
1	24.914	15.01	1.576
2	36.524	24.50	1.233

Largest stream flow has longer time of concentration

Qp = 36.524 + sum of

	Qb	Ia/Ib	
Qp =	24.914 *	0.783 =	19.500
	56.024		

Total of 2 streams to confluence:
Flow rates before confluence point:
24.914 36.524
Area of streams before confluence:
19.320 39.620

Results of confluence:
Total flow rate = 56.024(CFS)
Time of concentration = 24.496 min.
Effective stream area after confluence = 58.940(Ac.)
End of computations, total study area = 58.94 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 0.782
Area averaged RI index number = 70.8

Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2014 Version 9.0
Rational Hydrology Study Date: 02/15/22 File:OFF10.out

***** Hydrology Study Control Information *****

English (in-lb) Units used in input data file

Program License Serial Number 5006

Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District 1978 hydrology manual
Storm event (year) = 10.00 Antecedent Moisture Condition = 2
2 year, 1 hour precipitation = 0.500(In.)
100 year, 1 hour precipitation = 1.200(In.)
Storm event year = 10.0
Calculated rainfall intensity data:
1 hour intensity = 0.788(In/Hr)
Slope of intensity duration curve = 0.5000

Process from Point/Station 100.000 to Point/Station 101.000
**** INITIAL AREA EVALUATION ****

Initial area flow distance = 848.000(Ft.)
Top (of initial area) elevation = 1644.500(Ft.)
Bottom (of initial area) elevation = 1624.000(Ft.)
Difference in elevation = 20.500(Ft.)
Slope = 0.02417 s(percent)= 2.42
 $TC = k(0.530)^*[(length^3)/(elevation\ change)]^{0.2}$
Initial area time of concentration = 16.556 min.
Rainfall intensity = 1.500(In/Hr) for a 10.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.720
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2) = 78.00
Pervious area fraction = 1.000; Impervious fraction = 0.000
Initial subarea runoff = 5.084(CFS)
Total initial stream area = 4.710(Ac.)
Pervious area fraction = 1.000

Process from Point/Station 101.000 to Point/Station 102.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****

Top of natural channel elevation = 1624.000(Ft.)
End of natural channel elevation = 1608.000(Ft.)
Length of natural channel = 535.000(Ft.)
Estimated mean flow rate at midpoint of channel = 5.926(CFS)
Natural valley channel type used
L.A. County flood control district formula for channel velocity:
 $Velocity(ft/s) = (7 + 8(q(English\ Units)^{.352})(slope^{0.5}))$
Velocity using mean channel flow = 3.80(Ft/s)
Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
Normal channel slope = 0.0299
Corrected/adjusted channel slope = 0.0299
Travel time = 2.35 min. TC = 18.90 min.
Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.710
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2) = 78.00
Pervious area fraction = 1.000; Impervious fraction = 0.000
Rainfall intensity = 1.404(In/Hr) for a 10.0 year storm
Subarea runoff = 1.555(CFS) for 1.560(Ac.)
Total runoff = 6.639(CFS) Total area = 6.270(Ac.)
End of computations, total study area = 6.27 (Ac.)
The following figures maybe used for a unit hydrograph study of the same area.
Area averaged pervious area fraction(Ap) = 1.000
Area averaged RI index number = 78.0

Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2014 Version 9.0
Rational Hydrology Study Date: 02/28/22 File:pro100.out

***** Hydrology Study Control Information *****

English (in-lb) Units used in input data file

Program License Serial Number 5006

Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) = 100.00 Antecedent Moisture Condition = 2

2 year, 1 hour precipitation = 0.500(In.)
100 year, 1 hour precipitation = 1.200(In.)

Storm event year = 100.0
Calculated rainfall intensity data:
1 hour intensity = 1.200(In/Hr)
Slope of intensity duration curve = 0.5000

Process from Point/Station 1.000 to Point/Station 2.000
**** INITIAL AREA EVALUATION ****

Initial area flow distance = 997.000(Ft.)
Top (of initial area) elevation = 1607.800(Ft.)
Bottom (of initial area) elevation = 1592.000(Ft.)
Difference in elevation = 15.800(Ft.)
Slope = 0.01585 s(percent) = 1.58
 $TC = k(0.370)^{1/3}[(length^3)/(elevation\ change)]^{0.2}$
Initial area time of concentration = 13.418 min.
Rainfall intensity = 2.538(In/Hr) for a 100.0 year storm
CONDOMINIUM subarea type
Runoff Coefficient = 0.808
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2) = 56.00
Pervious area fraction = 0.350; Impervious fraction = 0.650
Initial subarea runoff = 17.078(CFS)
Total initial stream area = 8.330(Ac.)
Pervious area fraction = 0.350

Process from Point/Station 2.000 to Point/Station 3.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 1592.000(Ft.)
Downstream point/station elevation = 1572.000(Ft.)
Pipe length = 542.00(Ft.) Manning's N = 0.013
No. of pipes = 1 Required pipe flow = 17.078(CFS)
Nearest computed pipe diameter = 18.00(In.)
Calculated individual pipe flow = 17.078(CFS)
Normal flow depth in pipe = 12.70(In.)
Flow top width inside pipe = 16.41(In.)
Critical depth could not be calculated.
Pipe flow velocity = 12.81(Ft/s)
Travel time through pipe = 0.71 min.
Time of concentration (TC) = 14.12 min.

Process from Point/Station 3.000 to Point/Station 3.000
**** CONFLUENCE OF MINOR STREAMS ****

Along Main Stream number: 1 in normal stream number 1
Stream flow area = 8.330(Ac.)
Runoff from this stream = 17.078(CFS)
Time of concentration = 14.12 min.
Rainfall intensity = 2.473(In/Hr)

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*****
Process from Point/Station      4.000 to Point/Station      5.000
**** INITIAL AREA EVALUATION ****

Initial area flow distance = 676.000(Ft.)
Top (of initial area) elevation = 1600.000(Ft.)
Bottom (of initial area) elevation = 1593.000(Ft.)
Difference in elevation = 7.600(Ft.)
Slope = 0.01124 s(percent)= 1.12
TC = k(0.370)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 12.303 min.
Rainfall intensity = 2.650(In/Hr) for a 100.0 year storm
CONDOMINIUM subarea type
Runoff Coefficient = 0.811
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2) = 56.00
Pervious area fraction = 0.350; Impervious fraction = 0.650
Initial subarea runoff = 9.582(CFS)
Total initial stream area = 4.460(Ac.)
Pervious area fraction = 0.350

*****
Process from Point/Station      5.000 to Point/Station      6.000
**** STREET FLOW TRAVEL TIME + SUBAREA FLOW ADDITION ****

Top of street segment elevation = 1593.000(Ft.)
End of street segment elevation = 1582.000(Ft.)
Length of street segment = 504.000(Ft.)
Height of curb above gutter flowline = 6.0(In.)
Width of half street (curb to crown) = 12.000(Ft.)
Distance from crown to crossfall grade break = 10.000(Ft.)
Slope from gutter to grade break (v/hz) = 0.020
Slope from grade break to crown (v/hz) = 0.020
Street flow is on [2] side(s) of the street
Distance from curb to property line = 2.000(Ft.)
Slope from curb to property line (v/hz) = 0.020
Gutter width = 2.000(Ft.)
Gutter hike from flowline = 2.000(In.)
Manning's N in gutter = 0.0150
Manning's N from gutter to grade break = 0.0150
Manning's N from grade break to crown = 0.0150
Estimated mean flow rate at midpoint of street = 14.989(CFS)
Depth of flow = 0.389(Ft.), Average velocity = 4.091(Ft/s)
Note: depth of flow exceeds top of street crown.
Streetflow hydraulics at midpoint of street travel:
Halfstreet flow width = 12.000(Ft.)
Flow velocity = 4.09(Ft/s)
Travel time = 2.05 min. TC = 14.36 min.
Adding area flow to street
CONDOMINIUM subarea type
Runoff Coefficient = 0.806
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2) = 56.00
Pervious area fraction = 0.350; Impervious fraction = 0.650
Rainfall intensity = 2.453(In/Hr) for a 100.0 year storm
Subarea runoff = 10.694(CFS) for 5.410(Ac.)
Total runoff = 20.276(CFS) Total area = 9.870(Ac.)
Street flow at end of street = 20.276(CFS)
Half street flow at end of street = 10.138(CFS)
Depth of flow = 0.419(Ft.), Average velocity = 4.612(Ft/s)
Note: depth of flow exceeds top of street crown.
Flow width (from curb towards crown)= 12.000(Ft.)

*****
Process from Point/Station      6.000 to Point/Station      3.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 1582.000(Ft.)
Downstream point/station elevation = 1572.000(Ft.)
Pipe length = 10.00(Ft.) Manning's N = 0.013
No. of pipes = 1 Required pipe flow = 20.276(CFS)
Nearest computed pipe diameter = 12.00(In.)
Calculated individual pipe flow = 20.276(CFS)
Normal flow depth in pipe = 6.48(In.)
Flow top width inside pipe = 11.96(In.)
Critical depth could not be calculated.
Pipe flow velocity = 46.81(Ft/s)
Travel time through pipe = 0.00 min.

```

Time of concentration (TC) = 14.36 min.

Process from Point/Station 3.000 to Point/Station 3.000
**** CONFLUENCE OF MINOR STREAMS ****

Along Main Stream number: 1 in normal stream number 2
Stream flow area = 9.870(Ac.)
Runoff from this stream = 20.276(CFS)
Time of concentration = 14.36 min.
Rainfall intensity = 2.453(In/Hr)
Summary of stream data:

Stream No.	Flow rate (CFS)	TC (min)	Rainfall Intensity (In/Hr)

1	17.078	14.12	2.473
2	20.276	14.36	2.453

Largest stream flow has longer time of concentration
Qp = 20.276 + sum of
Qb Ia/Ib
17.078 * 0.992 = 16.937
Qp = 37.213

Total of 2 streams to confluence:
Flow rates before confluence point:
17.078 20.276
Area of streams before confluence:
8.330 9.870

Results of confluence:
Total flow rate = 37.213(CFS)
Time of concentration = 14.360 min.
Effective stream area after confluence = 18.200(Ac.)

Process from Point/Station 3.000 to Point/Station 7.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 1572.000(Ft.)
Downstream point/station elevation = 1571.600(Ft.)
Pipe length = 50.00(Ft.) Manning's N = 0.013
No. of pipes = 1 Required pipe flow = 37.213(CFS)
Nearest computed pipe diameter = 30.00(In.)
Calculated individual pipe flow = 37.213(CFS)
Normal flow depth in pipe = 24.98(In.)
Flow top width inside pipe = 22.39(In.)
Critical Depth = 24.77(In.)
Pipe flow velocity = 8.51(Ft/s)
Travel time through pipe = 0.10 min.
Time of concentration (TC) = 14.46 min.

Process from Point/Station 7.000 to Point/Station 7.000
**** CONFLUENCE OF MINOR STREAMS ****

Along Main Stream number: 1 in normal stream number 1
Stream flow area = 18.200(Ac.)
Runoff from this stream = 37.213(CFS)
Time of concentration = 14.46 min.
Rainfall intensity = 2.445(In/Hr)

Process from Point/Station 7.100 to Point/Station 7.200
**** INITIAL AREA EVALUATION ****

Initial area flow distance = 660.000(Ft.)
Top (of initial area) elevation = 1588.900(Ft.)
Bottom (of initial area) elevation = 1583.700(Ft.)
Difference in elevation = 5.200(Ft.)
Slope = 0.00788 s(percent)= 0.79
TC = $k(0.300)*[(length^3)/(elevation\ change)]^{0.2}$
Initial area time of concentration = 10.608 min.
Rainfall intensity = 2.854(In/Hr) for a 100.0 year storm
COMMERCIAL subarea type
Runoff Coefficient = 0.876
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2) = 56.00
Pervious area fraction = 0.100; Impervious fraction = 0.900
Initial subarea runoff = 2.799(CFS)

Total initial stream area = 1.120(Ac.)
Pervious area fraction = 0.100

Process from Point/Station 7.200 to Point/Station 7.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 1583.700(Ft.)
Downstream point/station elevation = 1571.800(Ft.)
Pipe length = 29.00(Ft.) Manning's N = 0.013
No. of pipes = 1 Required pipe flow = 2.799(CFS)
Nearest computed pipe diameter = 6.00(In.)
Calculated individual pipe flow = 2.799(CFS)
Normal flow depth in pipe = 3.98(In.)
Flow top width inside pipe = 5.67(In.)
Critical depth could not be calculated.
Pipe flow velocity = 20.24(Ft/s)
Travel time through pipe = 0.02 min.
Time of concentration (TC) = 10.63 min.

Process from Point/Station 7.000 to Point/Station 7.000
**** CONFLUENCE OF MINOR STREAMS ****

Along Main Stream number: 1 in normal stream number 2
Stream flow area = 1.120(Ac.)
Runoff from this stream = 2.799(CFS)
Time of concentration = 10.63 min.
Rainfall intensity = 2.851(In/Hr)
Summary of stream data:

Stream No.	Flow rate (CFS)	TC (min)	Rainfall Intensity (In/Hr)
1	37.213	14.46	2.445
2	2.799	10.63	2.851

Largest stream flow has longer time of concentration
 $Q_p = 37.213 + \text{sum of } Q_b \text{ Ia/Ib}$
 $Q_p = 2.799 * 0.858 = 2.401$
 $Q_p = 39.614$

Total of 2 streams to confluence:
Flow rates before confluence point:
37.213 2.799
Area of streams before confluence:
18.200 1.120
Results of confluence:
Total flow rate = 39.614(CFS)
Time of concentration = 14.458 min.
Effective stream area after confluence = 19.320(Ac.)

Process from Point/Station 7.000 to Point/Station 11.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 1571.800(Ft.)
Downstream point/station elevation = 1571.600(Ft.)
Pipe length = 68.00(Ft.) Manning's N = 0.013
No. of pipes = 1 Required pipe flow = 39.614(CFS)
Nearest computed pipe diameter = 39.00(In.)
Calculated individual pipe flow = 39.614(CFS)
Normal flow depth in pipe = 28.50(In.)
Flow top width inside pipe = 34.60(In.)
Critical Depth = 24.04(In.)
Pipe flow velocity = 6.09(Ft/s)
Travel time through pipe = 0.19 min.
Time of concentration (TC) = 14.64 min.

Process from Point/Station 11.000 to Point/Station 11.000
**** CONFLUENCE OF MINOR STREAMS ****

Along Main Stream number: 1 in normal stream number 1
Stream flow area = 19.320(Ac.)
Runoff from this stream = 39.614(CFS)
Time of concentration = 14.64 min.
Rainfall intensity = 2.429(In/Hr)

Process from Point/Station 8.000 to Point/Station 9.000

```

**** INITIAL AREA EVALUATION ****
Initial area flow distance = 849.000(Ft.)
Top (of initial area) elevation = 1645.000(Ft.)
Bottom (of initial area) elevation = 1624.000(Ft.)
Difference in elevation = 21.000(Ft.)
Slope = 0.02473 s(percent)= 2.47
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 16.488 min.
Rainfall intensity = 2.289(In/Hr) for a 100.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.773
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2) = 78.00
Pervious area fraction = 1.000; Impervious fraction = 0.000
Initial subarea runoff = 16.333(CFS)
Total initial stream area = 9.230(Ac.)
Pervious area fraction = 1.000

*****
Process from Point/Station 9.000 to Point/Station 10.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****

Top of natural channel elevation = 1624.000(Ft.)
End of natural channel elevation = 1588.900(Ft.)
Length of natural channel = 1861.000(Ft.)
Estimated mean flow rate at midpoint of channel = 43.220(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5))
Velocity using mean channel flow = 5.10(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
Normal channel slope = 0.0189
Corrected/adjusted channel slope = 0.0189
Travel time = 6.08 min. TC = 22.57 min.

Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.755
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2) = 78.00
Pervious area fraction = 1.000; Impervious fraction = 0.000
Rainfall intensity = 1.956(In/Hr) for a 100.0 year storm
Subarea runoff = 44.883(CFS) for 30.390(Ac.)
Total runoff = 61.216(CFS) Total area = 39.620(Ac.)

*****
Process from Point/Station 10.000 to Point/Station 11.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 1588.900(Ft.)
Downstream point/station elevation = 1571.600(Ft.)
Pipe length = 753.00(Ft.) Manning's N = 0.013
No. of pipes = 1 Required pipe flow = 61.216(CFS)
Nearest computed pipe diameter = 30.00(In.)
Calculated individual pipe flow = 61.216(CFS)
Normal flow depth in pipe = 24.19(In.)
Flow top width inside pipe = 23.71(In.)
Critical depth could not be calculated.
Pipe flow velocity = 14.44(Ft/s)
Travel time through pipe = 0.87 min.
Time of concentration (TC) = 23.44 min.

*****
Process from Point/Station 11.000 to Point/Station 11.000
**** CONFLUENCE OF MINOR STREAMS ****

Along Main Stream number: 1 in normal stream number 2
Stream flow area = 39.620(Ac.)
Runoff from this stream = 61.216(CFS)
Time of concentration = 23.44 min.
Rainfall intensity = 1.920(In/Hr)
Summary of stream data:

```


Stream No.	Flow rate (CFS)	TC (min)	Rainfall Intensity (In/Hr)
1	39.614	14.64	2.429
2	61.216	23.44	1.920

Largest stream flow has longer time of concentration

Qp = 61.216 + sum of Qb

Qp = 39.614 * 0.790 = 31.310

Qp = 92.525

Total of 2 streams to confluence:
Flow rates before confluence point:
39.614 61.216
Area of streams before confluence:
19.320 39.620

Results of confluence:
Total flow rate = 92.525(CFS)
Time of concentration = 23.442 min.
Effective stream area after confluence = 58.940(Ac.)
End of computations, total study area = 58.94 (Ac.)
The following figures may be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 0.782
Area averaged RI index number = 70.8

Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2014 Version 9.0
Rational Hydrology Study Date: 02/15/22 File:OFF.out

***** Hydrology Study Control Information *****

English (in-lb) Units used in input data file

Program License Serial Number 5006

Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District 1978 hydrology manual
Storm event (year) = 100.00 Antecedent Moisture Condition = 2
2 year, 1 hour precipitation = 0.500(In.)
100 year, 1 hour precipitation = 1.200(In.)
Storm event year = 100.0
Calculated rainfall intensity data:
1 hour intensity = 1.200(In/Hr)
Slope of intensity duration curve = 0.5000

+++++
Process from Point/Station 100.000 to Point/Station 101.000
**** INITIAL AREA EVALUATION ****

Initial area flow distance = 848.000(Ft.)
Top (of initial area) elevation = 1644.500(Ft.)
Bottom (of initial area) elevation = 1624.000(Ft.)
Difference in elevation = 20.500(Ft.)
Slope = 0.02417 s(percent)= 2.42
 $TC = k(0.530)^*[(length^3)/(elevation\ change)]^{0.2}$
Initial area time of concentration = 16.556 min.
Rainfall intensity = 2.284(In/Hr) for a 100.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.773
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2) = 78.00
Pervious area fraction = 1.000; Impervious fraction = 0.000
Initial subarea runoff = 8.315(CFS)
Total initial stream area = 4.710(Ac.)
Pervious area fraction = 1.000

+++++
Process from Point/Station 101.000 to Point/Station 102.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****

Top of natural channel elevation = 1624.000(Ft.)
End of natural channel elevation = 1608.000(Ft.)
Length of natural channel = 535.000(Ft.)
Estimated mean flow rate at midpoint of channel = 9.692(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
Velocity(ft/s) = $(7 + 8(q(English\ Units)^{.352})(slope^{0.5}))$
Velocity using mean channel flow = 4.29(Ft/s)
Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
Normal channel slope = 0.0299
Corrected/adjusted channel slope = 0.0299
Travel time = 2.08 min. TC = 18.64 min.
Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.766
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2) = 78.00
Pervious area fraction = 1.000; Impervious fraction = 0.000
Rainfall intensity = 2.153(In/Hr) for a 100.0 year storm
Subarea runoff = 2.574(CFS) for 1.560(Ac.)
Total runoff = 10.888(CFS) Total area = 6.270(Ac.)
End of computations, total study area = 6.27 (Ac.)
The following figures maybe used for a unit hydrograph study of the same area.
Area averaged pervious area fraction(Ap) = 1.000
Area averaged RI index number = 78.0

This aerial map displays the project area, which is outlined in black. The site plan within the outline shows a grid of building footprints and parking spaces. The map includes labels for 'BAY AVENUE' and 'ALESSANDRO BLVD.'.

POST DEVELOPMENT
HYDROLOGY MAP
ITM 98263
adkar
ENGINEER

Section 3

Pre-Development Onsite Unit Hydrographs

Unit Hydrograph Analysis

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Study date 02/28/22 File: ex212.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 5006

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Drainage Area = 8.33(Ac.) = 0.013 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 8.33(Ac.) = 0.013 Sq. Mi.
Length along longest watercourse = 911.00(Ft.)
Length along longest watercourse measured to centroid = 456.00(Ft.)
Length along longest watercourse = 0.173 Mi.
Length along longest watercourse measured to centroid = 0.086 Mi.
Difference in elevation = 16.00(Ft.)
Slope along watercourse = 92.7333 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.062 Hr.
Lag time = 3.69 Min.
25% of lag time = 0.92 Min.
40% of lag time = 1.48 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
8.33	0.50	4.17

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
8.33	1.20	10.00

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 0.500(In)
Area Averaged 100-Year Rainfall = 1.200(In)

Point rain (area averaged) = 0.500(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 0.500(In)

Sub-Area Data:
Area(Ac.) Runoff Index Impervious %
8.330 69.00 0.000
Total Area Entered = 8.33(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	49.8	0.574	0.000	0.574	1.000	0.574
Sum (F) =						0.574

Area averaged mean soil loss (F) (In/Hr) = 0.574
Minimum soil loss rate ((In/Hr)) = 0.287
(for 24 hour storm duration)
Soil loss rate (decimal) = 0.900

Slope of intensity-duration curve for a 1 hour storm = 0.5000

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period	Time % of lag	Distribution	Unit Hydrograph

Ex 2yr1hr

Page 1 of 2

	(hrs)		Graph %	(CFS)
1	0.083	135.344	29.460	2.473
2	0.167	270.688	47.995	4.029
3	0.250	406.032	12.120	1.017
4	0.333	541.376	5.371	0.451
5	0.417	676.720	2.918	0.245
6	0.500	812.064	2.136	0.179
Sum = 100.000			Sum=	8.395

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	4.20	0.252	(0.574)	0.227	0.025
2	0.17	4.30	0.258	(0.574)	0.232	0.026
3	0.25	5.00	0.300	(0.574)	0.270	0.030
4	0.33	5.00	0.300	(0.574)	0.270	0.030
5	0.42	5.80	0.348	(0.574)	0.313	0.035
6	0.50	6.50	0.390	(0.574)	0.351	0.039
7	0.58	7.40	0.444	(0.574)	0.400	0.044
8	0.67	8.60	0.516	(0.574)	0.464	0.052
9	0.75	12.30	0.738	0.574	(0.664)	0.164
10	0.83	29.10	1.746	0.574	(1.571)	1.172
11	0.92	6.80	0.408	(0.574)	0.367	0.041
12	1.00	5.00	0.300	(0.574)	0.270	0.030
(Loss Rate Not Used)						
Sum = 100.0			Flood volume = Effective rainfall times area		Sum = 1.7	
			8.3(Ac.)/[(In)/(Ft.)] =		0.14(In)	
			Total soil loss =		0.36(In)	
			Total soil loss =		0.249(Ac.Ft)	
			Total rainfall =		0.50(In)	
			Flood volume =		4252.1 Cubic Feet	
			Total soil loss =		10865.7 Cubic Feet	

Peak flow rate of this hydrograph = 5.033(CFS)

1 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0004	0.06	Q				
0+10	0.0016	0.17	Q				
0+15	0.0030	0.20	QV				
0+20	0.0046	0.23	QV				
0+25	0.0063	0.26	QV				
0+30	0.0083	0.29	Q V				
0+35	0.0106	0.33	Q V				
0+40	0.0132	0.37	Q V				
0+45	0.0179	0.69	Q V				
0+50	0.0431	3.65	Q	Q V			
0+55	0.0777	5.03	Q		Q	V	
1+ 0	0.0882	1.53		Q			V
1+ 5	0.0933	0.74	Q				V
1+10	0.0959	0.37	Q				V
1+15	0.0975	0.23	Q				V
1+20	0.0976	0.01	Q				V
1+25	0.0976	0.01	Q				V

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Drainage Area 3      8.++(Ac.) 3      0.01+ Sq. &i.
Drainage Area =or Depth-Area Area Adjustbent 3      8.++(Ac.) 3      0.01+ Sq. &i.
Length along longest watercourse 3      911.00(Ft.)
Length along longest watercourse beasured to centroid 3      46f.00(Ft.)
Length along longest watercourse 3      0.1P+ &i.
Length along longest watercourse beasured to centroid 3      0.08f &i.
Di=fference in elevation 3      1f.00(Ft.)
Slope along watercourse 3      92.P+++ Ft./&i.
AVERAGE Manning's 'N' 3 0.0+0
Lag time 3      0.0f2 Hr.
Lag time 3      +.f9 &i.
26% o= lag time 3      0.92 &i.
40% o= lag time 3      1.48 &i.
Unit time 3      6.00 &i.
Duration o= storb 3 + Hour(s)
User Entered Base Flow 3      0.00(CFS)

```

Area(Ac.) [1]	vain=all(In) [2]	7eighting[1*2]
8.++	0.80	f.ff

Area(Ac.)[1]	vain=all(In)[2]	7eighting[1*2]
8.++	1.90	16.8+

STOV& EVENT (YEA) 3 2.00
Area AMerged 2-Year vain=all 3 0.800(In)
Area AMerged 100-Year vain=all 3 1.900(In)

```

point rain (area aMerged) 3      0.800(In)
Area adjustbent =actor 3 100.00 %
Adjusted aMerged point rain 3      0.800(In)

```

```

Su5-Area Data:
Area(Ac.)      vuno== Index      Ibperrmious %
      8.++0      f9.00      0.000
Total Area Entered 3      8.++(Ac.)

```

VI	VI	In=il. vate	Iberpmious	Adj. In=il. vate	Area%	F
A&C2	A&C-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
f9.0	49.8	0.6P4	0.000	0.6P4	1.000	0.6P4
					Sub (F) 3	0.6P4

Area aMeraged bean soil loss (F) (In/Hr) 3 0.6P4
&inibub soil loss rate ((In/Hr)) 3 0.28P
(=or 24 hour storb duration)
Soil low loss rate (decibal) 3 0.900

Unit Hydrograph
VALLEY S-CurMe

Unit Hydrograph Data

Unit time period (hrs)	Time % on lag	Distribution Graph %	Unit Hydrograph (CFS)

1R20	0.01+8	0.1P	Q	V				
1R26	0.0160	0.18	Q	V				
1R+0	0.01f4	0.20	Q	V				
1R+6	0.01P8	0.20	Q	V				
1R40	0.0192	0.20	Q	V				
1R46	0.0208	0.2+	Q	V				
1R60	0.0226	0.26	Q	V				
1R66	0.0242	0.24	Q	V				
2R 0	0.0268	0.24	Q	V				
2R 6	0.02P6	0.24	Q	V				
2R10	0.0294	0.2P	Q	V				
2R16	0.0+1P	0.+4	Q	V				
2R20	0.0+41	0.+4	Q	V				
2R26	0.0+f9	0.41	Q	V				
2R+0	0.041P	0.P0	Q	V				
2R+6	0.049P	1.16	Q	V				
2R40	0.06P8	1.18	Q	V				
2R46	0.0f18	0.68	Q	V				
2R60	0.0f40	0.+2	Q	V				
2R66	0.0f6f	0.2+	Q	V				
+R 0	0.0ffP	0.1f	Q	V				
+R 6	0.0fP1	0.0f	Q	V				
+R10	0.0fP+	0.02	Q	V				
+R16	0.0fP+	0.01	Q	V				
+R20	0.0fP4	0.00	Q	V				
+R26	0.0fP4	0.00	Q	V				

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Drainage Area =      8.33(Ac.) =      0.013 Sq. &i.
Drainage Area for Depth-Area Area Adjustbent =      8.33(Ac.) =      0.013 Sq. &i.
Length along longest watercourse =      911.00(Ft.)
Length along longest watercourse beasured to centroid =      46+.00(Ft.)
Length along longest watercourse =      0.1P3 &i.
Length along longest watercourse beasured to centroid =      0.08+ &i.
Difference in elevation =      1+.(00(Ft.)
Slope along watercourse =      92.P333 Ft./&i.
Amerage &anning's 'N' = 0.030
Lag tibe =      0+2 Hr.
Lag tibe =      3+.9 &i.
26% of lag tibe =      0.92 &i.
40% of lag tibe =      1.48 &i.
Unit tibe =      6.00 &i.
Duration of storb = + Hour(s)
User Entered Base Flow =      0.00(CFS)

```

Area(Ac.) [1]	vainfall(In) [2]	7eighting[1*2]
8.33	1.20	10.00

Area(Ac.)[1]	vainfall(In)[2]	7eighting[1*2]
8.33	2.60	20.82

STOV & EVENT (YEAV) = 2.00
Area AMerged 2-Year vainfall = 1.200(In)
Area AMerged 100-Year vainfall = 2.600(In)

point rain (area aMerged) = 1.200(In)
Area adjustbent factor = 100.00 %
Adjusted aMerged point rain = 1.200(In)

```

Su5-Area Data:
Area(Ac.)      vunoff Index      Ibperrmious %
8.330          +9.00          0.000
Total Area Entered =      8.33(Ac.)

```

VI	VI	Infil. vate	IberperMious	Adj. Infil. vate	Area%	F
A&C2	A&C-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
+9.0	49.8	0.6P4	0.000	0.6P4	1.000	0.6P4
					Sub (F) =	0.6P4

Area aMeraged bean soil loss (F) (In/Hr) = 0.6P4
 &inibub soil loss rate ((In/Hr)) = 0.28P
 (for 24 hour storb duration)
 Soil low loss rate (decibal) = 0.900

Unit Hydrograph
VALLEY S-CurMe

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)

1	0.083	136.344	29.4+0	2.4P3
2	0.1+P	2P0.+88	4P.996	4.029
3	0.260	40+.032	12.120	1.01P
4	0.333	641.3P+	6.3P1	0.461
6	0.41P	+P+.P20	2.918	0.246
+	0.600	812.0+4	2.13+	0.1P9
		Sub = 100.000	Sub=	8.396

The following loss rate calculations reflect use of the binibub calculated loss rate su5tracted frob the Storb vain to produce the baxibub EffectiMe vain Malue

Unit	Tibe (Hr.)	mattern mercent	Storb vain (In/Hr)	Loss rate(In./Hr) &ax Low	EffectiMe (In/Hr)
1	0.08	0.60	0.0P2	(0.6P4)	0.0+6
2	0.1P	0.+0	0.08+	(0.6P4)	0.0P8
3	0.26	0.+0	0.08+	(0.6P4)	0.0P8
4	0.33	0.+0	0.08+	(0.6P4)	0.0P8
6	0.42	0.+0	0.08+	(0.6P4)	0.0P8
+	0.60	0.P0	0.101	(0.6P4)	0.091
P	0.68	0.P0	0.101	(0.6P4)	0.091
8	0.+P	0.P0	0.101	(0.6P4)	0.091
9	0.P6	0.P0	0.101	(0.6P4)	0.091
10	0.83	0.P0	0.101	(0.6P4)	0.091
11	0.92	0.P0	0.101	(0.6P4)	0.091
12	1.00	0.80	0.116	(0.6P4)	0.104
13	1.08	0.80	0.116	(0.6P4)	0.104
14	1.1P	0.80	0.116	(0.6P4)	0.104
16	1.26	0.80	0.116	(0.6P4)	0.104
1+	1.33	0.80	0.116	(0.6P4)	0.104
1P	1.42	0.80	0.116	(0.6P4)	0.104
18	1.60	0.80	0.116	(0.6P4)	0.104
19	1.68	0.80	0.116	(0.6P4)	0.104
20	1.+P	0.80	0.116	(0.6P4)	0.104
21	1.P6	0.80	0.116	(0.6P4)	0.104
22	1.83	0.80	0.116	(0.6P4)	0.104
23	1.92	0.80	0.116	(0.6P4)	0.104
24	2.00	0.90	0.130	(0.6P4)	0.11P
26	2.08	0.80	0.116	(0.6P4)	0.104
2+	2.1P	0.90	0.130	(0.6P4)	0.11P
2P	2.26	0.90	0.130	(0.6P4)	0.11P
28	2.33	0.90	0.130	(0.6P4)	0.11P
29	2.42	0.90	0.130	(0.6P4)	0.11P
30	2.60	0.90	0.130	(0.6P4)	0.11P
31	2.68	0.90	0.130	(0.6P4)	0.11P
32	2.+P	0.90	0.130	(0.6P4)	0.11P
33	2.P6	1.00	0.144	(0.6P4)	0.130
34	2.83	1.00	0.144	(0.6P4)	0.130
36	2.92	1.00	0.144	(0.6P4)	0.130
3+	3.00	1.00	0.144	(0.6P4)	0.130
3P	3.08	1.00	0.144	(0.6P4)	0.130
38	3.1P	1.10	0.168	(0.6P4)	0.143
39	3.26	1.10	0.168	(0.6P4)	0.143
40	3.33	1.10	0.168	(0.6P4)	0.143
41	3.42	1.20	0.1P3	(0.6P4)	0.16+
42	3.60	1.30	0.18P	(0.6P4)	0.1+8
43	3.68	1.40	0.202	(0.6P4)	0.181
44	3.+P	1.40	0.202	(0.6P4)	0.181
46	3.P6	1.60	0.21+	(0.6P4)	0.194
4+	3.83	1.60	0.21+	(0.6P4)	0.194
4P	3.92	1.+0	0.230	(0.6P4)	0.20P
48	4.00	1.+0	0.230	(0.6P4)	0.20P
49	4.08	1.P0	0.246	(0.6P4)	0.220
60	4.1P	1.80	0.269	(0.6P4)	0.233
61	4.26	1.90	0.2P4	(0.6P4)	0.24+
62	4.33	2.00	0.288	(0.6P4)	0.269
63	4.42	2.10	0.302	(0.6P4)	0.2P2
64	4.60	2.10	0.302	(0.6P4)	0.2P2
66	4.68	2.20	0.31P	(0.6P4)	0.286
6+	4.+P	2.30	0.331	(0.6P4)	0.298
6P	4.P6	2.40	0.34+	(0.6P4)	0.311
68	4.83	2.40	0.34+	(0.6P4)	0.311
69	4.92	2.60	0.3+0	(0.6P4)	0.324
+0	6.00	2.+0	0.3P4	(0.6P4)	0.33P
+1	6.08	3.10	0.44+	(0.6P4)	0.402
+2	6.1P	3.+0	0.618	(0.6P4)	0.4+P
+3	6.26	3.90	0.6+2	(0.6P4)	0.606
+4	6.33	4.20	0.+06	(0.6P4)	0.644
+6	6.42	4.P0	0.+PP	0.6P4 (0.+09)	0.103
++	6.60	6.+0	0.80+	0.6P4 (0.P2+)	0.232
+P	6.68	1.90	0.2P4	(0.6P4)	0.24+
+8	6.+P	0.90	0.130	(0.6P4)	0.11P
+9	6.P6	0.+0	0.08+	(0.6P4)	0.0P8
P0	6.83	0.60	0.0P2	(0.6P4)	0.0+6
P1	6.92	0.30	0.043	(0.6P4)	0.039
P2	+1.00	0.20	0.029	(0.6P4)	0.02+

Ex 2Yr6hr

Page 2 of 4

Tibe(hRb)	voIube	Ac.Ft	Q(CFS)	0	2.6	6.0	P.6	10.0
0R 6	0.0001	0.02	Q					
0R10	0.0006	0.06	Q					
0R16	0.0009	0.0+	Q					
0R20	0.0014	0.0P	Q					
0R26	0.0019	0.0P	Q					
0R30	0.0024	0.08	QV					
0R36	0.0030	0.08	QV					
0R40	0.0036	0.08	QV					
0R46	0.0041	0.08	QV					
0R60	0.004P	0.08	QV					
0R66	0.0063	0.08	Q V					
1R 0	0.0069	0.09	Q V					
1R 6	0.00+6	0.09	Q V					
1R10	0.00P2	0.10	Q V					
1R16	0.00P8	0.10	Q V					
1R20	0.0086	0.10	Q V					
1R26	0.0092	0.10	Q V					
1R30	0.0098	0.10	Q V					
1R36	0.0106	0.10	Q V					
1R40	0.0112	0.10	Q V					
1R46	0.0118	0.10	Q V					
1R60	0.0126	0.10	Q V					
1R66	0.0132	0.10	Q V					
2R 0	0.0139	0.10	Q V					
2R 6	0.014+	0.10	Q V					
2R10	0.0163	0.10	Q V					
2R16	0.01+0	0.11	Q V					
2R20	0.01+8	0.11	Q V					
2R26	0.01P6	0.11	Q V					
2R30	0.0182	0.11	Q V					
2R36	0.0190	0.11	Q V					
2R40	0.019P	0.11	Q V					
2R46	0.0206	0.11	Q V					
2R60	0.0213	0.12	Q V					
2R66	0.0222	0.12	Q V					
3R 0	0.0230	0.12	Q V					
3R 6	0.0238	0.12	Q V					
3R10	0.024P	0.12	Q V					
3R16	0.026+	0.13	Q V					
3R20	0.02+6	0.13	Q V					
3R26	0.02P4	0.14	Q V					
3R30	0.0284	0.16	Q V					
3R36	0.0296	0.1+	Q V					
3R40	0.030+	0.1+	Q V					
3R46	0.0318	0.1P	Q V					
3R60	0.0330	0.18	Q V					
3R66	0.0343	0.18	Q V					
4R 0	0.036+	0.19	Q V					
4R 6	0.03P0	0.20	Q V					
4R10	0.0384	0.21	Q V					
4R16	0.0399	0.22	Q V					
4R20	0.0414	0.23	Q V					
4R26	0.0431	0.24	Q V					
4R30	0.0448	0.26	Q V					
4R36	0.04++	0.2+	Q V					
4R40	0.0484	0.2P	Q V					
4R46	0.0603	0.28	Q V					
4R60	0.0623	0.29	Q V					
4R66	0.0643	0.29	Q V					
6R 0	0.06+4	0.30	Q V					
6R 6	0.068+	0.33	Q V					
6R10	0.0+12	0.38	Q V					
6R16	0.0+42	0.43	Q V					
6R20	0.0+P4	0.4+	Q V					
6R26	0.0P16	0.4+	Q V					
6R30	0.0P90	1.10	Q V					

Page 3 of 4

6R36	0.08P0	1.1+		Q					V
6R40	0.0901	0.46		Q					V
6R46	0.0918	0.24		Q					V
6R60	0.0928	0.16		Q					V
6R66	0.0936	0.10		Q					V
+R 0	0.0939	0.04		Q					V
+R 6	0.0940	0.02		Q					V
+R10	0.0941	0.01		Q					V
+R16	0.0941	0.00		Q					V
+R20	0.0941	0.00		Q					V
+R26	0.0941	0.00		Q					V

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Study date 02/28/22 File: ex22+2.out

[illegible]

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mrograb License Serial Nub5er 600f
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Drainage Area 3      8.4q(Ac.) 3      0.01q Sj. &i.
Drainage Area =or Depth-Area Area1 Adwustbent 3      8.4q(Ac.) 3      0.01q Sj. &i.
Length along longest 4atercourse 3      911.00(Ft.)
Length along longest 4atercourse beasured to centroid 3      +6f.00(Ft.)
Length along longest 4atercourse 3      0.1Pq &i.
Length along longest 4atercourse beasured to centroid 3      0.08f &i.
Di=erence in elevation 3      1f.00(Ft.)
Slope along 4atercourse 3      92.Pqqq Ft./&i.
AVERAGE &anning's 'N' 3 0.0q0
Lag tibe 3      0.0f2 Hr.
Lag tibe 3      q.f9 &i.
26% o= lag tibe 3      0.92 &i.
+0% o= lag tibe 3      1.+8 &i.
Unit tibe 3      6.00 &i.
Duration o= storb 3 2+ Hour(s)
User Entered Base Flo4 3      0.00(CFS)

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Area(Ac.) [1]	vain=all(In) [2]	7eighting[1*2]
8.qq	1.80	1+.99

Area(Ac.)[1]	vain=all(In)[2]	7eighting[1*2]
8.qq	+60	qP.+8

STOV& EVENT (YEA) 3 2.00
Area AMerged 2-Year vain=all 3 1.800(In)
Area AMerged 100-Year vain=all 3 +.600(In)

```

point rain (area aMerged) 3      1.800(In)
AreaI adwustbent =actor 3 100.00 %
Adwusted aMerged point rain 3      1.800(In)

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Su5-Area Data:
Area(Ac.)      vuno== Index      Ibperrmious %
      8.qq0      f9.00      0.000
Total Area Entered 3      8.qq(Ac.)

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VI	VI	In=il. vate	Iberpmious	Adw. In=il. vate	Area%	F
A&C2	A&C-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
f9.0	+9.8	0.6P+	0.000	0.6P+	1.000	0.6P+
					Sub (F) 3	0.6P+

Area aMeraged bean soil loss (F) (In/Hr) 3 0.6P+
&inibub soil loss rate ((In/Hr)) 3 0.28P
(=or 2+ hour storb duration)
Soil lo4 loss rate (decibal) 3 0.900

Unit Hydrograph
VALLEY S-CurMe

Unit Hydrograph Data

Unit time period (hrs)	Time % on lag	Distribution Graph %	Unit Hydrograph (CFS)

1	0.08q	1q6.q++	29.+f0	2.+Pq
2	0.1fP	2P0.f88	+P.996	+0.29
q	0.260	+0f.0q2	12.120	1.01P
+	0.qqq	6+1.qPf	6.qP1	0.+61
6	0.+1P	fPf.P20	2.918	0.2+6
f	0.600	812.0f+	2.1qf	0.1P9
		Sub 3	100.000	Sub3
				8.q96

The following loss rate calculations reflect use of the binomial calculated loss rate subtracted from the Storby value to produce the binomial Expected Value

Unit	Time (Hr.)	Material percent	Storby value (In/Hr)	Loss rate(In./Hr) &ax Lo4	Expected (In/Hr)
1	0.08	0.0P	0.01+	(1.01P)	0.01q
2	0.1P	0.0P	0.01+	(1.01+)	0.01q
q	0.26	0.0P	0.01+	(1.010)	0.01q
+	0.qq	0.10	0.022	(1.00f)	0.019
6	0.+2	0.10	0.022	(1.002)	0.019
f	0.60	0.10	0.022	(0.998)	0.019
P	0.68	0.10	0.022	(0.99+)	0.019
8	0.fP	0.10	0.022	(0.990)	0.019
9	0.P6	0.10	0.022	(0.98f)	0.019
10	0.8q	0.1q	0.029	(0.982)	0.02f
11	0.92	0.1q	0.029	(0.9P8)	0.02f
12	1.00	0.1q	0.029	(0.9P6)	0.02f
1q	1.08	0.10	0.022	(0.9P1)	0.019
1+	1.1P	0.10	0.022	(0.9fP)	0.019
16	1.26	0.10	0.022	(0.9fq)	0.019
1f	1.qq	0.10	0.022	(0.969)	0.019
1P	1.+2	0.10	0.022	(0.966)	0.019
18	1.60	0.10	0.022	(0.962)	0.019
19	1.68	0.10	0.022	(0.9+8)	0.019
20	1.fP	0.10	0.022	(0.9+)	0.019
21	1.P6	0.10	0.022	(0.9+0)	0.019
22	1.8q	0.1q	0.029	(0.9qf)	0.02f
2q	1.92	0.1q	0.029	(0.9qq)	0.02f
2+	2.00	0.1q	0.029	(0.929)	0.02f
26	2.08	0.1q	0.029	(0.926)	0.02f
2f	2.1P	0.1q	0.029	(0.921)	0.02f
2P	2.26	0.1q	0.029	(0.918)	0.02f
28	2.qq	0.1q	0.029	(0.91+)	0.02f
29	2.+2	0.1q	0.029	(0.910)	0.02f
q0	2.60	0.1q	0.029	(0.90f)	0.02f
q1	2.68	0.1P	0.0qf	(0.90q)	0.0q2
q2	2.fP	0.1P	0.0qf	(0.899)	0.0q2
qq	2.P6	0.1P	0.0qf	(0.896)	0.0q2
q+	2.8q	0.1P	0.0qf	(0.892)	0.0q2
q6	2.92	0.1P	0.0qf	(0.888)	0.0q2
qf	q.00	0.1P	0.0qf	(0.88+)	0.0q2
qP	q.08	0.1P	0.0qf	(0.881)	0.0q2
q8	q.1P	0.1P	0.0qf	(0.8PP)	0.0q2
q9	q.26	0.1P	0.0qf	(0.8Pq)	0.0q2
+0	q.qq	0.1P	0.0qf	(0.8P0)	0.0q2
+1	q.+2	0.1P	0.0qf	(0.8ff)	0.0q2
+2	q.60	0.1P	0.0qf	(0.8f2)	0.0q2
+q	q.68	0.1P	0.0qf	(0.869)	0.0q2
++	q.fP	0.1P	0.0qf	(0.866)	0.0q2
+6	q.P6	0.1P	0.0qf	(0.862)	0.0q2
+f	q.8q	0.20	0.0+q	(0.8+8)	0.0q9
+P	q.92	0.20	0.0+q	(0.8+)	0.0q9
+8	+0.00	0.20	0.0+q	(0.8+1)	0.0q9
+9	+0.08	0.20	0.0+q	(0.8qP)	0.0q9
60	+0.1P	0.20	0.0+q	(0.8q+)	0.0q9
61	+0.26	0.20	0.0+q	(0.8q0)	0.0q9
62	+0.qq	0.2q	0.060	(0.82P)	0.0+6
6q	+0.+2	0.2q	0.060	(0.82q)	0.0+6
6+	+0.60	0.2q	0.060	(0.820)	0.0+6
66	+0.68	0.2q	0.060	(0.81f)	0.0+6
6f	+0.fP	0.2q	0.060	(0.81q)	0.0+6
6P	+0.P6	0.2q	0.060	(0.809)	0.0+6
68	+0.8q	0.2P	0.068	(0.80f)	0.062
69	+0.92	0.2P	0.068	(0.802)	0.062
f0	6.00	0.2P	0.068	(0.P99)	0.062
f1	6.08	0.20	0.0+q	(0.P96)	0.0q9
f2	6.1P	0.20	0.0+q	(0.P92)	0.0q9
fq	6.26	0.20	0.0+q	(0.P88)	0.0q9
f+	6.qq	0.2q	0.060	(0.P86)	0.0+6
f6	6.+2	0.2q	0.060	(0.P81)	0.0+6
ff	6.60	0.2q	0.060	(0.PP8)	0.0+6
fP	6.68	0.2P	0.068	(0.PP6)	0.062
f8	6.fP	0.2P	0.068	(0.PP1)	0.062
f9	6.P6	0.2P	0.068	(0.Pf8)	0.062
P0	6.8q	0.2P	0.068	(0.Pf+)	0.062
P1	6.92	0.2P	0.068	(0.Pf1)	0.062
P2	f.00	0.2P	0.068	(0.P68)	0.062

Ex 2yr24hr

Page 2 of 9

Pq	f.08	0.q0	0.0f6	(0.P6+)	0.068	0.00f
P+	f.1P	0.q0	0.0f6	(0.P61)	0.068	0.00f
P6	f.26	0.q0	0.0f6	(0.P+8)	0.068	0.00f
Pf	f.qq	0.q0	0.0f6	(0.P++)	0.068	0.00f
PP	f.+2	0.q0	0.0f6	(0.P+1)	0.068	0.00f
P8	f.60	0.q0	0.0f6	(0.Pq8)	0.068	0.00f
P9	f.68	0.qq	0.0P2	(0.Pq+)	0.0f6	0.00P
80	f.fP	0.qq	0.0P2	(0.Pq1)	0.0f6	0.00P
81	f.p6	0.qq	0.0P2	(0.P28)	0.0f6	0.00P
82	f.8q	0.qq	0.0P2	(0.P2+)	0.0f6	0.00P
8q	f.92	0.qq	0.0P2	(0.P21)	0.0f6	0.00P
8+	P.00	0.qq	0.0P2	(0.P18)	0.0f6	0.00P
86	P.08	0.qq	0.0P2	(0.P16)	0.0f6	0.00P
8f	P.1P	0.qq	0.0P2	(0.P11)	0.0f6	0.00P
8P	P.26	0.qq	0.0P2	(0.P08)	0.0f6	0.00P
88	P.qq	0.qP	0.0P9	(0.P06)	0.0P1	0.008
89	P.+2	0.qP	0.0P9	(0.P02)	0.0P1	0.008
90	P.60	0.qP	0.0P9	(0.f98)	0.0P1	0.008
91	P.68	0.+0	0.08f	(0.f96)	0.0P8	0.009
92	P.fP	0.+0	0.08f	(0.f92)	0.0P8	0.009
9q	P.p6	0.+0	0.08f	(0.f89)	0.0P8	0.009
9+	P.8q	0.+q	0.09+	(0.f8f)	0.08+	0.009
96	P.92	0.+q	0.09+	(0.f82)	0.08+	0.009
9f	8.00	0.+q	0.09+	(0.fP9)	0.08+	0.009
9P	8.08	0.60	0.108	(0.fPf)	0.09P	0.011
98	8.1P	0.60	0.108	(0.fPq)	0.09P	0.011
99	8.26	0.60	0.108	(0.fP0)	0.09P	0.011
100	8.qq	0.60	0.108	(0.fPf)	0.09P	0.011
101	8.+2	0.60	0.108	(0.fP+)	0.09P	0.011
102	8.60	0.60	0.108	(0.fF0)	0.09P	0.011
10q	8.68	0.6q	0.116	(0.f6P)	0.10+	0.012
10+	8.fP	0.6q	0.116	(0.f6+)	0.10+	0.012
106	8.p6	0.6q	0.116	(0.f61)	0.10+	0.012
10f	8.8q	0.6P	0.122	(0.f+8)	0.110	0.012
10P	8.92	0.6P	0.122	(0.f+6)	0.110	0.012
108	9.00	0.6P	0.122	(0.f+2)	0.110	0.012
109	9.08	0.fq	0.1qP	(0.fq9)	0.12q	0.01+
110	9.1P	0.fq	0.1qP	(0.fqf)	0.12q	0.01+
111	9.26	0.fq	0.1qP	(0.fqq)	0.12q	0.01+
112	9.qq	0.fP	0.1++	(0.fq0)	0.1q0	0.01+
11q	9.+2	0.fP	0.1++	(0.f2P)	0.1q0	0.01+
11+	9.60	0.fP	0.1++	(0.f2+)	0.1q0	0.01+
116	9.68	0.P0	0.161	(0.f21)	0.1qf	0.016
11f	9.fP	0.P0	0.161	(0.f18)	0.1qf	0.016
11P	9.p6	0.P0	0.161	(0.f16)	0.1qf	0.016
118	9.8q	0.Pq	0.168	(0.f12)	0.1+q	0.01f
119	9.92	0.Pq	0.168	(0.f09)	0.1+q	0.01f
120	10.00	0.Pq	0.168	(0.f0f)	0.1+q	0.01f
121	10.08	0.60	0.108	(0.f0q)	0.09P	0.011
122	10.1P	0.60	0.108	(0.f00)	0.09P	0.011
12q	10.26	0.60	0.108	(0.69P)	0.09P	0.011
12+	10.qq	0.60	0.108	(0.69+)	0.09P	0.011
126	10.+2	0.60	0.108	(0.692)	0.09P	0.011
12f	10.60	0.60	0.108	(0.689)	0.09P	0.011
12P	10.68	0.fP	0.1++	(0.68f)	0.1q0	0.01+
128	10.fP	0.fP	0.1++	(0.68q)	0.1q0	0.01+
129	10.p6	0.fP	0.1++	(0.680)	0.1q0	0.01+
1q0	10.8q	0.fP	0.1++	(0.6PP)	0.1q0	0.01+
1q1	10.92	0.fP	0.1++	(0.6P+)	0.1q0	0.01+
1q2	11.00	0.fP	0.1++	(0.6P2)	0.1q0	0.01+
1qq	11.08	0.fq	0.1qP	(0.6f9)	0.12q	0.01+
1q+	11.1P	0.fq	0.1qP	(0.6ff)	0.12q	0.01+
1q6	11.26	0.fq	0.1qP	(0.6fq)	0.12q	0.01+
1qf	11.qq	0.fq	0.1qP	(0.6f0)	0.12q	0.01+
1qP	11.+2	0.fq	0.1qP	(0.668)	0.12q	0.01+
1q8	11.60	0.fq	0.1qP	(0.666)	0.12q	0.01+
1q9	11.68	0.6P	0.122	(0.662)	0.110	0.012
1+0	11.fP	0.6P	0.122	(0.6+9)	0.110	0.012
1+1	11.p6	0.6P	0.122	(0.6+P)	0.110	0.012
1+2	11.8q	0.f0	0.1q0	(0.6++)	0.11P	0.01q
1+q	11.92	0.f0	0.1q0	(0.6+1)	0.11P	0.01q
1++	12.00	0.f0	0.1q0	(0.6q8)	0.11P	0.01q
1+6	12.08	0.8q	0.180	(0.6qf)	0.1f2	0.018
1+f	12.1P	0.8q	0.180	(0.6qq)	0.1f2	0.018
1+P	12.26	0.8q	0.180	(0.6q0)	0.1f2	0.018
1+8	12.qq	0.8P	0.18P	(0.628)	0.1f8	0.019
1+9	12.+2	0.8P	0.18P	(0.626)	0.1f8	0.019
160	12.60	0.8P	0.18P	(0.622)	0.1f8	0.019
161	12.68	0.9q	0.202	(0.620)	0.181	0.020
162	12.fP	0.9q	0.202	(0.61P)	0.181	0.020
16q	12.p6	0.9q	0.202	(0.616)	0.181	0.020
16+	12.8q	0.9P	0.209	(0.612)	0.188	0.021
166	12.92	0.9P	0.209	(0.609)	0.188	0.021
16f	1q.00	0.9P	0.209	(0.60P)	0.188	0.021
16P	1q.08	1.1q	0.2+6	(0.60+)	0.220	0.02+
168	1q.1P	1.1q	0.2+6	(0.602)	0.220	0.02+
169	1q.26	1.1q	0.2+6	(0.+99)	0.220	0.02+

Ex 2yr24hr

Page 3 of 9

1f0	1q.qq	1.1q	0.2+6	(0.+9P)	0.220	0.02+
1f1	1q.+2	1.1q	0.2+6	(0.+9+)	0.220	0.02+
1f2	1q.60	1.1q	0.2+6	(0.+92)	0.220	0.02+
1fq	1q.68	0.PP	0.1ff	(0.+89)	0.1+9	0.01P
1f+	1q.fP	0.PP	0.1ff	(0.+8P)	0.1+9	0.01P
1f6	1q.p6	0.PP	0.1ff	(0.+8+)	0.1+9	0.01P
1ff	1q.8q	0.PP	0.1ff	(0.+82)	0.1+9	0.01P
1fP	1q.92	0.PP	0.1ff	(0.+P9)	0.1+9	0.01P
1f8	1+.00	0.PP	0.1ff	(0.+PP)	0.1+9	0.01P
1f9	1+.08	0.90	0.19+	(0.+P+)	0.1P6	0.019
1P0	1+.1P	0.90	0.19+	(0.+P2)	0.1P6	0.019
1P1	1+.26	0.90	0.19+	(0.+f9)	0.1P6	0.019
1P2	1+.qq	0.8P	0.18P	(0.+fP)	0.1f8	0.019
1Pq	1+.+2	0.8P	0.18P	(0.+f6)	0.1f8	0.019
1P+	1+.60	0.8P	0.18P	(0.+f2)	0.1f8	0.019
1P6	1+.68	0.8P	0.18P	(0.+f0)	0.1f8	0.019
1Pf	1+.fP	0.8P	0.18P	(0.+68)	0.1f8	0.019
1PP	1+.P6	0.8P	0.18P	(0.+66)	0.1f8	0.019
1P8	1+.8q	0.8q	0.180	(0.+6q)	0.1f2	0.018
1P9	1+.92	0.8q	0.180	(0.+61)	0.1f2	0.018
180	16.00	0.8q	0.180	(0.++8)	0.1f2	0.018
181	16.08	0.80	0.1Pq	(0.+++f)	0.16f	0.01P
182	16.1P	0.80	0.1Pq	(0.+++)	0.16f	0.01P
18q	16.26	0.80	0.1Pq	(0.++1)	0.16f	0.01P
18+	16.qq	0.PP	0.1ff	(0.+q9)	0.1+9	0.01P
186	16.+2	0.PP	0.1ff	(0.+qP)	0.1+9	0.01P
18f	16.60	0.PP	0.1ff	(0.+q6)	0.1+9	0.01P
18P	16.68	0.fq	0.1qP	(0.+q2)	0.12q	0.01+
188	16.fP	0.fq	0.1qP	(0.+q0)	0.12q	0.01+
189	16.p6	0.fq	0.1qP	(0.+28)	0.12q	0.01+
190	16.8q	0.fq	0.1qP	(0.+2f)	0.12q	0.01+
191	16.92	0.fq	0.1qP	(0.+2+)	0.12q	0.01+
192	1f.00	0.fq	0.1qP	(0.+21)	0.12q	0.01+
19q	1f.08	0.1q	0.029	(0.+19)	0.02f	0.00q
19+	1f.1P	0.1q	0.029	(0.+1P)	0.02f	0.00q
196	1f.26	0.1q	0.029	(0.+16)	0.02f	0.00q
19f	1f.qq	0.1q	0.029	(0.+1q)	0.02f	0.00q
19P	1f.+2	0.1q	0.029	(0.+11)	0.02f	0.00q
198	1f.60	0.1q	0.029	(0.+09)	0.02f	0.00q
199	1f.68	0.10	0.022	(0.+0P)	0.019	0.002
200	1f.fP	0.10	0.022	(0.+06)	0.019	0.002
201	1f.p6	0.10	0.022	(0.+0q)	0.019	0.002
202	1f.8q	0.10	0.022	(0.+01)	0.019	0.002
20q	1f.92	0.10	0.022	(0.q98)	0.019	0.002
20+	1P.00	0.10	0.022	(0.q9f)	0.019	0.002
206	1P.08	0.1P	0.0qf	(0.q9+)	0.0q2	0.00+
20f	1P.1P	0.1P	0.0qf	(0.q92)	0.0q2	0.00+
20P	1P.26	0.1P	0.0qf	(0.q90)	0.0q2	0.00+
208	1P.qq	0.1P	0.0qf	(0.q89)	0.0q2	0.00+
209	1P.+2	0.1P	0.0qf	(0.q8P)	0.0q2	0.00+
210	1P.60	0.1P	0.0qf	(0.q86)	0.0q2	0.00+
211	1P.68	0.1P	0.0qf	(0.q8q)	0.0q2	0.00+
212	1P.fP	0.1P	0.0qf	(0.q81)	0.0q2	0.00+
21q	1P.p6	0.1P	0.0qf	(0.qP9)	0.0q2	0.00+
21+	1P.8q	0.1q	0.029	(0.qPP)	0.02f	0.00q
216	1P.92	0.1q	0.029	(0.qP6)	0.02f	0.00q
21f	18.00	0.1q	0.029	(0.qPq)	0.02f	0.00q
21P	18.08	0.1q	0.029	(0.qP1)	0.02f	0.00q
218	18.1P	0.1q	0.029	(0.qP0)	0.02f	0.00q
219	18.26	0.1q	0.029	(0.qf8)	0.02f	0.00q
220	18.qq	0.1q	0.029	(0.qff)	0.02f	0.00q
221	18.+2	0.1q	0.029	(0.qf+)	0.02f	0.00q
222	18.60	0.1q	0.029	(0.qfq)	0.02f	0.00q
22q	18.68	0.10	0.022	(0.qf1)	0.019	0.002
22+	18.fP	0.10	0.022	(0.q69)	0.019	0.002
226	18.p6	0.10	0.022	(0.q6P)	0.019	0.002
22f	18.8q	0.0P	0.01+	(0.q6f)	0.01q	0.001
22P	18.92	0.0P	0.01+	(0.q6+)	0.01q	0.001
228	19.00	0.0P	0.01+	(0.q62)	0.01q	0.001
229	19.08	0.10	0.022	(0.q61)	0.019	0.002
2q0	19.1P	0.10	0.022	(0.q+9)	0.019	0.002
2q1	19.26	0.10	0.022	(0.q+P)	0.019	0.002
2q2	19.qq	0.1q	0.029	(0.q+f)	0.02f	0.00q
2qq	19.+2	0.1q	0.029	(0.q++)	0.02f	0.00q
2q+	19.60	0.1q	0.029	(0.q+2)	0.02f	0.00q
2q6	19.68	0.10	0.022	(0.q+1)	0.019	0.002
2qf	19.fP	0.10	0.022	(0.qq9)	0.019	0.002
2qP	19.p6	0.10	0.022	(0.qq8)	0.019	0.002
2q8	19.8q	0.0P	0.01+	(0.qqf)	0.01q	0.001
2q9	19.92	0.0P	0.01+	(0.qq6)	0.01q	0.001
2+0	20.00	0.0P	0.01+	(0.qqq)	0.01q	0.001
2+1	20.08	0.10	0.022	(0.qq2)	0.019	0.002
2+2	20.1P	0.10	0.022	(0.qq0)	0.019	0.002
2+q	20.26	0.10	0.022	(0.q29)	0.019	0.002
2++	20.qq	0.10	0.022	(0.q28)	0.019	0.002
2+6	20.+2	0.10	0.022	(0.q2f)	0.019	0.002
2+f	20.60	0.10	0.022	(0.q26)	0.019	0.002

Ex 2yr24hr

Page 4 of 9

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2R_6	0.00q1	0.02	Q				
2R10	0.00qq	0.02	QV				
2R16	0.00q+	0.02	QV				
2R20	0.00qf	0.02	QV				
2R26	0.00q8	0.02	QV				
2Rq0	0.00q9	0.02	QV				
2Rq6	0.00+1	0.0q	QV				
2R+0	0.00+q	0.0q	QV				
2R+6	0.00+6	0.0q	QV				
2R60	0.00+P	0.0q	QV				
2R66	0.00+9	0.0q	QV				
qR_0	0.0061	0.0q	QV				
qR_6	0.006+	0.0q	QV				
qR10	0.006f	0.0q	QV				
qR16	0.0068	0.0q	QV				
qR20	0.00f0	0.0q	QV				
qR26	0.00f2	0.0q	QV				
qRq0	0.00f+	0.0q	Q V				
qRq6	0.00ff	0.0q	Q V				
qR+0	0.00f8	0.0q	Q V				
qR+6	0.00P0	0.0q	Q V				
qR60	0.00P2	0.0q	Q V				
qR66	0.00P6	0.0q	Q V				
+R_0	0.00PP	0.0+	Q V				
+R_6	0.0080	0.0+	Q V				
+R10	0.0082	0.0+	Q V				
+R16	0.0086	0.0+	Q V				
+R20	0.008P	0.0+	Q V				
+R26	0.0090	0.0+	Q V				
+Rq0	0.009q	0.0+	Q V				
+Rq6	0.009f	0.0+	Q V				
+R+0	0.0099	0.0+	Q V				
+R+6	0.0102	0.0+	Q V				
+R60	0.0106	0.0+	Q V				
+R66	0.0108	0.06	Q V				
6R_0	0.0111	0.06	Q V				
6R_6	0.011+	0.0+	Q V				
6R10	0.011P	0.0+	Q V				
6R16	0.0120	0.0+	Q V				
6R20	0.0122	0.0+	Q V				
6R26	0.0126	0.0+	Q V				
6Rq0	0.0128	0.0+	Q V				
6Rq6	0.01q1	0.0+	Q V				
6R+0	0.01q+	0.06	Q V				
6R+6	0.01q8	0.06	Q V				
6R60	0.01+1	0.06	Q V				
6R66	0.01++	0.06	Q V				
fR_0	0.01+P	0.06	Q V				
fR_6	0.0161	0.06	Q V				
fR10	0.0166	0.06	Q V				
fR16	0.0168	0.06	Q V				
fR20	0.01f2	0.06	Q V				
fR26	0.01ff	0.06	Q V				
fRq0	0.01P0	0.06	Q V				
fRq6	0.01Pq	0.0f	Q V				
fR+0	0.01PP	0.0f	Q V				
fR+6	0.0182	0.0f	Q V				
fR60	0.018f	0.0f	Q V				
fR66	0.0190	0.0f	Q V				
PR_0	0.019+	0.0f	Q V				
PR_6	0.0198	0.0f	Q V				
PR10	0.0202	0.0f	Q V				
PR16	0.020P	0.0f	Q V				
PR20	0.0211	0.0f	Q V				
PR26	0.0216	0.0P	Q V				
PRq0	0.0220	0.0P	Q V				
PRq6	0.0226	0.0P	Q V				
PR+0	0.0229	0.0P	Q V				
PR+6	0.02q+	0.0P	Q V				
PR60	0.02q9	0.0P	Q V				
PR66	0.02+6	0.08	Q V				
8R_0	0.0260	0.08	Q V				
8R_6	0.026f	0.08	Q V				
8R10	0.02f2	0.09	Q V				
8R16	0.02f8	0.09	Q V				
8R20	0.02P+	0.09	Q V				
8R26	0.0280	0.09	Q V				
8Rq0	0.028P	0.09	Q V				
8Rq6	0.029q	0.09	Q V				
8R+0	0.0q00	0.10	Q V				
8R+6	0.0q0f	0.10	Q V				
8R60	0.0q1q	0.10	Q V				
8R66	0.0q20	0.10	Q V				
9R_0	0.0q2P	0.10	Q V				
9R_6	0.0qq+	0.11	Q V				
9R10	0.0q+2	0.11	Q V				
9R16	0.0q60	0.11	Q V				

Ex 2yr24hr

Page 6 of 9

9R20	0.0q68	0.12	Q	V			
9R26	0.0qff	0.12	Q	V			
9Rq0	0.0qp+	0.12	Q	V			
9Rq6	0.0q8q	0.12	Q	V			
9R+0	0.0q91	0.1q	Q	V			
9R+6	0.0+00	0.1q	Q	V			
9R60	0.0+09	0.1q	Q	V			
9R66	0.0+18	0.1q	Q	V			
10R 0	0.0+2P	0.1q	Q	V			
10R 6	0.0+q6	0.12	Q	V			
10R10	0.0++2	0.10	Q	V			
10R16	0.0++9	0.10	Q	V			
10R20	0.0+66	0.09	Q	V			
10R26	0.0+f2	0.09	Q	V			
10Rq0	0.0+f8	0.09	Q	V			
10Rq6	0.0+P6	0.10	Q	V			
10R+0	0.0+8q	0.11	Q	V			
10R+6	0.0+91	0.12	Q	V			
10R60	0.0+99	0.12	Q	V			
10R66	0.060P	0.12	Q	V			
11R 0	0.061f	0.12	Q	V			
11R 6	0.062+	0.12	Q	V			
11R10	0.06q2	0.12	Q	V			
11R16	0.06+0	0.12	Q	V			
11R20	0.06+8	0.12	Q	V			
11R26	0.066f	0.12	Q	V			
11Rq0	0.06f+	0.11	Q	V			
11Rq6	0.06P1	0.11	Q	V			
11R+0	0.06P8	0.11	Q	V			
11R+6	0.068f	0.10	Q	V			
11R60	0.069q	0.11	Q	V			
11R66	0.0f00	0.11	Q	V			
12R 0	0.0f08	0.11	Q	V			
12R 6	0.0f1f	0.12	Q	V			
12R10	0.0f2f	0.1+	Q	V			
12R16	0.0fqf	0.16	Q	V			
12R20	0.0f+f	0.16	Q	V			
12R26	0.0f6P	0.16	Q	V			
12Rq0	0.0ff8	0.1f	Q	V			
12Rq6	0.0fp9	0.1f	Q	V			
12R+0	0.0f90	0.1P	Q	V			
12R+6	0.0P02	0.1P	Q	V			
12R60	0.0P1+	0.1P	Q	V			
12R66	0.0P2f	0.1P	Q	V			
1qR 0	0.0Pq8	0.1P	Q	V			
1qR 6	0.0P60	0.18	Q	V			
1qR10	0.0Pf+	0.20	Q	V			
1qR16	0.0Pp8	0.20	Q	V			
1qR20	0.0P92	0.20	Q	V			
1qR26	0.080f	0.20	Q	V			
1qRq0	0.0820	0.21	Q	V			
1qRq6	0.08qq	0.19	Q	V			
1qR+0	0.08++	0.16	Q	V			
1qR+6	0.086+	0.16	Q	V			
1qR60	0.08f+	0.1+	Q	V			
1qR66	0.08Pq	0.1+	Q	V			
1+R 0	0.088q	0.1+	Q	V			
1+R 6	0.089q	0.16	Q	V			
1+R10	0.090+	0.1f	Q	V			
1+R16	0.0916	0.1f	Q	V			
1+R20	0.092f	0.1f	Q	V			
1+R26	0.09qP	0.1f	Q	V			
1+Rq0	0.09+8	0.1f	Q	V			
1+Rq6	0.0968	0.1f	Q	V			
1+R+0	0.09f9	0.1f	Q	V			
1+R+6	0.0980	0.1f	Q	V			
1+R60	0.0991	0.1f	Q	V			
1+R66	0.1001	0.16	Q	V			
16R 0	0.1012	0.16	Q	V			
16R 6	0.1022	0.16	Q	V			
16R10	0.10q2	0.16	Q	V			
16R16	0.10+2	0.16	Q	V			
16R20	0.1062	0.1+	Q	V			
16R26	0.10f2	0.1+	Q	V			
16Rq0	0.10P1	0.1+	Q	V			
16Rq6	0.1081	0.1q	Q	V			
16R+0	0.1089	0.12	Q	V			
16R+6	0.109P	0.12	Q	V			
16R60	0.1106	0.12	Q	V			
16R66	0.111q	0.12	Q	V			
1fR 0	0.1121	0.11	Q	V			
1fR 6	0.112P	0.09	Q	V			
1fR10	0.11q0	0.0+	Q	V			
1fR16	0.11q2	0.0q	Q	V			
1fR20	0.11q+	0.0q	Q	V			
1fR26	0.11qf	0.0q	Q	V			
1fRq0	0.11q8	0.02	Q	V			

Ex 2yr24hr

Page 7 of 9

1fRq6	0.11q9	0.02	Q				V
1fR+0	0.11+1	0.02	Q				V
1fR+6	0.11+2	0.02	Q				V
1fR60	0.11+q	0.02	Q				V
1fR66	0.11++	0.02	Q				V
1PR 0	0.11+f	0.02	Q				V
1PR 6	0.11+p	0.02	Q				V
1PR10	0.11+9	0.0q	Q				V
1PR16	0.1161	0.0q	Q				V
1PR20	0.116q	0.0q	Q				V
1PR26	0.1166	0.0q	Q				V
1PRq0	0.116P	0.0q	Q				V
1PRq6	0.1169	0.0q	Q				V
1PR+0	0.11f1	0.0q	Q				V
1PR+6	0.11fq	0.0q	Q				V
1PR60	0.11f6	0.0q	Q				V
1PR66	0.11fP	0.0q	Q				V
18R 0	0.11f9	0.02	Q				V
18R 6	0.11P1	0.02	Q				V
18R10	0.11P2	0.02	Q				V
18R16	0.11P+	0.02	Q				V
18R20	0.11Pf	0.02	Q				V
18R26	0.11PP	0.02	Q				V
18Rq0	0.11P9	0.02	Q				V
18Rq6	0.1180	0.02	Q				V
18R+0	0.1182	0.02	Q				V
18R+6	0.118q	0.02	Q				V
18R60	0.118+	0.02	Q				V
18R66	0.1186	0.01	Q				V
19R 0	0.118f	0.01	Q				V
19R 6	0.118P	0.01	Q				V
19R10	0.1188	0.02	Q				V
19R16	0.1189	0.02	Q				V
19R20	0.1191	0.02	Q				V
19R26	0.1192	0.02	Q				V
19Rq0	0.119+	0.02	Q				V
19Rq6	0.1196	0.02	Q				V
19R+0	0.119P	0.02	Q				V
19R+6	0.1198	0.02	Q				V
19R60	0.1199	0.02	Q				V
19R66	0.1200	0.01	Q				V
20R 0	0.1201	0.01	Q				V
20R 6	0.1202	0.01	Q				V
20R10	0.120q	0.02	Q				V
20R16	0.120+	0.02	Q				V
20R20	0.120f	0.02	Q				V
20R26	0.120P	0.02	Q				V
20Rq0	0.1208	0.02	Q				V
20Rq6	0.1209	0.02	Q				V
20R+0	0.1211	0.02	Q				V
20R+6	0.1212	0.02	Q				V
20R60	0.121q	0.02	Q				V
20R66	0.121+	0.01	Q				V
21R 0	0.1216	0.01	Q				V
21R 6	0.121f	0.01	Q				V
21R10	0.121P	0.02	Q				V
21R16	0.1218	0.02	Q				V
21R20	0.1219	0.02	Q				V
21R26	0.1220	0.01	Q				V
21Rq0	0.1221	0.01	Q				V
21Rq6	0.1222	0.01	Q				V
21R+0	0.122q	0.02	Q				V
21R+6	0.122+	0.02	Q				V
21R60	0.1226	0.02	Q				V
21R66	0.122f	0.01	Q				V
22R 0	0.122P	0.01	Q				V
22R 6	0.1228	0.01	Q				V
22R10	0.1229	0.02	Q				V
22R16	0.12q1	0.02	Q				V
22R20	0.12q2	0.02	Q				V
22R26	0.12qq	0.01	Q				V
22Rq0	0.12q+	0.01	Q				V
22Rq6	0.12q+	0.01	Q				V
22R+0	0.12q6	0.01	Q				V
22R+6	0.12qf	0.01	Q				V
22R60	0.12qP	0.01	Q				V
22R66	0.12q8	0.01	Q				V
2qR 0	0.12q9	0.01	Q				V
2qR 6	0.12q9	0.01	Q				V
2qR10	0.12+0	0.01	Q				V
2qR16	0.12+1	0.01	Q				V
2qR20	0.12+2	0.01	Q				V
2qR26	0.12+q	0.01	Q				V
2qRq0	0.12++	0.01	Q				V
2qRq6	0.12++	0.01	Q				V
2qR+0	0.12+6	0.01	Q				V
2qR+6	0.12+f	0.01	Q				V

Ex 2yr24hr

Page 8 of 9

2qR60	0.12+P	0.01	Q				V
2qR66	0.12+8	0.01	Q				V
2+R 0	0.12+9	0.01	Q				V
2+R 6	0.12+9	0.01	Q				V
2+R10	0.12+9	0.00	Q				V
2+R16	0.12+9	0.00	Q				V
2+R20	0.12+9	0.00	Q				V
2+R26	0.12+9	0.00	Q				V

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Drainage Area =      8.33(Ac.) =      0.013 Sq. &i.
Drainage Area for Depth-Area Area Adjustbent =      8.33(Ac.) =      0.013 Sq. &i.
Length along longest watercourse =      911.00(Ft.)
Length along longest watercourse beasured to centroid =      4+6.00(Ft.)
Length along longest watercourse =      0.1P3 &i.
Length along longest watercourse beasured to centroid =      0.086 &i.
Difference in elevation =      16.00(Ft.)
Slope along watercourse =      92.P333 Ft./&i.
Amerage &anning's 'N' = 0.030
Lag tibe =      0.062 Hr.
Lag tibe =      3.69 &i.
2+% of lag tibe =      0.92 &i.
40% of lag tibe =      1.48 &i.
Unit tibe =      +.00 &i.
Duration of storb = 1 Hour(s)
User Entered Base Flow =      0.00(CFS)

```

Area(Ac.) [1]	vainfall(In) [2]	7eighting[1*2]
8.33	0.+0	4.1P

Area(Ac.)[1]	vainfall(In)[2]	7eighting[1*2]
8.33	1.20	10.00

STOV & EVENT (YEAV) = +.00
Area AMerged 2-Year vainfall = 0.+00(In)
Area AMerged 100-Year vainfall = 1.200(In)

point rain (area aMerged) = 0.664(In)
 Area adjustbent factor = 99.99 %
 Adjusted aMerged point rain = 0.664(In)

```

Su5-Area Data:
Area(Ac.)      vunoff Index      Ibmpermious %
      8.330           69.00           0.000
Total Area Entered =      8.33(Ac.)

```

VI	VI	Infil. vate	Iberpmious	Adj. Infil. vate	Area%	F
A&C2	A&C-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	49.8	0.+P4	0.000	0.+P4	1.000	0.+P4
					Sub (F) =	0.+P4

Area averaged bean soil loss (F) (In/Hr) = $0.4P^4$
 &inub soil loss rate ((In/Hr)) = $0.28P$
 (for 24 hour storb duration)
 Soil low loss rate (decibal) = 0.900

slope of intensity-duration curve for a 1 hour storm = 0.4000

Unit Hydrograph
VALLEY S-CurMe

Unit Hydrograph Data

Unit tide period	Tide % of lag	Distribution	Unit Hydrograph

Page 1 of 2

	(hrs)		Graph %	(CFS)
1	0.083	13+.344	29.460	2.4P3
2	0.16P	2P0.688	4P.99+	4.029
3	0.2+0	406.032	12.120	1.01P
4	0.333	+41.3P6	+3P1	0.4+1
+	0.41P	6P6.P20	2.918	0.24+
6	0.+00	812.064	2.136	0.1P9
			Sub = 100.000	Sub= 8.39+

The following loss rate calculations reflect use of the binibub calculated loss rate sustracted frob the Storb vain to produce the baxibub EffectiMe vain Malue

Unit	Time (Hr.)	mattern mercent	Storb vain (In/Hr)	Loss rate(In./Hr) &ax Low	EffectiMe (In/Hr)	
1	0.08	4.20	0.33+	(0.+P4)	0.301	0.033
2	0.1P	4.30	0.343	(0.+P4)	0.308	0.034
3	0.2+	+00	0.398	(0.+P4)	0.3+9	0.040
4	0.33	+00	0.398	(0.+P4)	0.3+9	0.040
+	0.42	+80	0.462	(0.+P4)	0.416	0.046
6	0.+0	6.+0	0.+18	(0.+P4)	0.466	0.0+2
P	0.+8	P.40	0.+90	(0.+P4)	0.+31	0.0+9
8	0.6P	8.60	0.68+	0.+P4 (0.61P)		0.111
9	0.P+	12.30	0.980	0.+P4 (0.882)		0.406
10	0.83	29.10	2.318	0.+P4 (2.08P)		1.P44
11	0.92	6.80	0.+42	(0.+P4)	0.488	0.0+4
12	1.00	+00	0.398	(0.+P4)	0.3+9	0.040
(Loss vate Not Used)						
Sub =		100.0		Flood Molube = EffectiMe rainfall		0.22(In)
				tibes area		8.3(Ac.)/[(In)/(Ft.)] =
						0.2(Ac.Ft)
				Total soil loss =		0.44(In)
				Total soil loss =		0.30P(Ac.Ft)
				Total rainfall =		0.66(In)
				Flood Molube =		6P02.+ Cu5ic Feet
				Total soil loss =		133P2.P Cu5ic Feet

meak flow rate of this hydrograph = P.6+3(CFS)

1 - H O U v S T O v &

v u n o f f H y d r o g r a p h

Hydrograph in + &minute interMals ((CFS))

Tibe(hrb)	volube Ac.Ft	Q(CFS)	0	2.+	+0	P.+	10.0
OR +	0.0006	0.08	Q				
OR10	0.0021	0.22	Q				
OR1+	0.0039	0.2P	Q				
OR20	0.0061	0.31	Q				
OR2+	0.0084	0.34	QV				
OR30	0.0111	0.39	QV				
OR3+	0.0141	0.44	Q V				
OR40	0.0182	0.60	Q V				
OR4+	0.0289	1.++	QV				
OR+0	0.0P10	6.11		V	Q		
OR++	0.1238	P.6+				Q V	
1R 0	0.139P	2.31		Q			V
1R +	0.14P4	1.12	Q				V
1R10	0.1+13	0.+P	Q				V
1R1+	0.1+3P	0.34	Q				V
1R20	0.1+38	0.02	Q				V
1R2+	0.1+39	0.01	Q				V

Unit Hydrograph Analysis

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Mi&erside County Synthetic Unit Hydrology Method
MCFC 7 PCD Wanual date - April 19m8

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English (in-16) Input Units Used
English Main=all Data (Inches) Input Values Used

English Units used in output =or5at

Drainage Area 3 8.RR(Ac.) 3 0.01R Sq. Wi.
Drainage Area =or Depth-Area Areal Adjust5ent 3 8.RR(Ac.) 3 0.01R Sq. Wi.
Length along longest watercourse 3 911.00(Ft.)
Length along longest watercourse 5easured to centroid 3 4+f.00(Ft.)
Length along longest watercourse 3 0.1mR Wi.
Length along longest watercourse 5easured to centroid 3 0.08f Wi.
Di=erence in ele&ation 3 1f.00(Ft.)
Slope along watercourse 3 92.mRRR Ft./Wi.
A&erage Wanning's 'N' 3 0.0R0
Lag ti5e 3 0.0f2 Hr.
Lag ti5e 3 R.f9 Win.
2+% o= lag ti5e 3 0.92 win.
40% o= lag ti5e 3 1.48 win.
Unit ti5e 3 +.00 win.
Duration o= stor5 3 R Hour(s)
User Entered Base Flow 3 0.00(CFS)

2 YEAM Area rain=all data:

Area(Ac.) [1]	Main=all(In) [2]	Peighting [1*2]
8.RR	0.80	f.ff

100 YEAM Area rain=all data:

Area(Ac.) [1]	Main=all(In) [2]	Peighting [1*2]
8.RR	1.90	1+.8R

STOMW EVENT (YEAM) 3 +.00
Area A&eraged 2-Year Main=all 3 0.800(In)
Area A&eraged 100-Year Main=all 3 1.900(In)

boint rain (area a&eraged) 3 1.0+8(In)
Areal adjust5ent =actor 3 100.00 %
Adjusted a&erage point rain 3 1.0+8(In)

Su6-Area Data:
Area(Ac.) Mun0== Index I5per&iuous %
8.RR0 f9.00 0.000
Total Area Entered 3 8.RR(Ac.)

MI	MI	In=il. Mate I5per&iuous	Adj. In=il. Mate Area%	F
AWC2	AWC-1	(In/Hr) (Dec.%)	(In/Hr) (Dec.)	(In/Hr)
f9.0	49.8	0.+m4 0.000	0.+m4 1.000	0.+m4
			Su5 (F) 3	0.+m4

Area a&eraged 5ean soil loss (F) (In/Hr) 3 0.+m4
wini5u5 soil loss rate ((In/Hr)) 3 0.28m
(=or 24 hour stor5 duration)
Soil low loss rate (deci5al) 3 0.900

Unit Hydrograph VALLEY S-Cur&e

Unit Hydrograph Data

Unit ti5e period	Ti5e % o= lag	Distri6ution	Unit Hydrograph
(hrs)		Graph %	(CFS)

1	0.08R	1R+.R44	29.4f0	2.4mR
2	0.1fm	2m0.f88	4m.99+	4.029
R	0.2+0	40f.0R2	12.120	1.01m
4	0.RRR	+41.Rmf	+.Rm1	0.4+1
f	0.41m	fmf.m20	2.918	0.24+
f	0.+00	812.0f4	2.1RF	0.1m9
		Su5 3 100.000	Su53	8.R9+

The following loss rate calculations reflect use of the 5ini5u5 calculated loss rate subtracted from the Stor5 Main to produce the 5axi5u5 E=ective Main &alue

Unit	TiSe (Hr.)	battern percent	Stor5 Main (In/Hr)	Loss rate(In./Hr) Wax Low	E=ective (In/Hr)
1	0.08	1.R0	0.1f+	(0.+m4)	0.148
2	0.1m	1.R0	0.1f+	(0.+m4)	0.148
R	0.2+	1.10	0.140	(0.+m4)	0.12f
4	0.RR	1.+0	0.190	(0.+m4)	0.1m1
+	0.42	1.+0	0.190	(0.+m4)	0.1m1
f	0.+0	1.80	0.228	(0.+m4)	0.20f
m	0.+8	1.+0	0.190	(0.+m4)	0.1m1
8	0.fm	1.80	0.228	(0.+m4)	0.20f
9	0.m+	1.80	0.228	(0.+m4)	0.20f
10	0.8R	1.+0	0.190	(0.+m4)	0.1m1
11	0.92	1.f0	0.20R	(0.+m4)	0.18R
12	1.00	1.80	0.228	(0.+m4)	0.20f
1R	1.08	2.20	0.2m9	(0.+m4)	0.2+1
14	1.1m	2.20	0.2m9	(0.+m4)	0.2+1
1+	1.2+	2.20	0.2m9	(0.+m4)	0.2+1
1f	1.RR	2.00	0.2+4	(0.+m4)	0.228
1m	1.42	2.f0	0.RR0	(0.+m4)	0.29m
18	1.+0	2.m0	0.R4R	(0.+m4)	0.R08
19	1.+8	2.40	0.R0+	(0.+m4)	0.2m4
20	1.fm	2.m0	0.R4R	(0.+m4)	0.R08
21	1.m+	R.R0	0.419	(0.+m4)	0.Rmm
22	1.8R	R.10	0.R9R	(0.+m4)	0.R+4
2R	1.92	2.90	0.Rf8	(0.+m4)	0.RR1
24	2.00	R.00	0.R81	(0.+m4)	0.R4R
2+	2.08	R.10	0.R9R	(0.+m4)	0.R+4
2f	2.1m	4.20	0.+RR	(0.+m4)	0.480
2m	2.2+	+.00	0.fR+	(0.+m4)	0.+m1
28	2.RR	R.+0	0.444	(0.+m4)	0.400
29	2.42	f.80	0.8fR	(0.+m4)	(0.mmm)
R0	2.+0	m.R0	0.92f	(0.+m4)	(0.8R4)
R1	2.+8	8.20	1.041	(0.+m4)	(0.9Rm)
R2	2.fm	+.90	0.m49	(0.+m4)	(0.fm4)
RR	2.m+	2.00	0.2+4	(0.+m4)	0.228
R4	2.8R	1.80	0.228	(0.+m4)	0.20f
R+	2.92	1.80	0.228	(0.+m4)	0.20f
Rf	R.00	0.f0	0.0mf	(0.+m4)	0.0f9

Su5 3 100.0
 Flood &olu5e 3 E=ective rain=all 0.18(In)
 ti5es area 8.R(Ac.)/[(In)/(Ft.)] 3 0.1(Ac.Ft)
 Total soil loss 3 0.8m(In)
 Total soil loss 3 0.f0m(Ac.Ft)
 Total rain=all 3 1.0f(In)
 Flood &olu5e 3 ++29.4 Cu6ic Feet
 Total soil loss 3 2f4+0.+ Cu6ic Feet

beak =low rate om this hydrograph 3 2.91+(CFS)

R - H O U M S T O M W
 M u n o = = H y d r o g r a p h

Hydrograph in + winute inter&als ((CFS))

TiSe(hv5)	Volu5e Ac.Ft	Q(CFS)	0	2.+	+.0	m.+	10.0
0v +	0.000R	0.04	Q				
0v10	0.0010	0.11	Q				
0v1+	0.0018	0.12	Q				
0v20	0.002m	0.1R	Q				
0v2+	0.00Rm	0.1+	QV				
0vR0	0.0049	0.1m	QV				
0vR+	0.00f1	0.1m	QV				
0v40	0.00mR	0.1m	Q V				
0v4+	0.008+	0.19	Q V				
0v+0	0.0098	0.18	Q V				
0v++	0.0110	0.1m	Q V				
1v 0	0.0122	0.18	Q V				
1v +	0.01Rf	0.20	Q V				
1v10	0.01+1	0.22	Q V				
1v1+	0.01fm	0.2R	Q V				

Ex 5yr3hr

Page 2 of 3

1v20	0.0182	0.2R	Q	V				
1v2+	0.0198	0.24	Q	V				
1vR0	0.021m	0.2m	Q	V				
1vR+	0.02Rf	0.2m	Q	V				
1v40	0.02+4	0.2m	Q	V				
1v4+	0.02m+	0.R0	Q	V				
1v+0	0.029m	0.RR	Q	V				
1v++	0.0R20	0.R2	Q	V				
2v 0	0.0R41	0.R2	Q	V				
2v +	0.0RfR	0.R2	Q	V				
2v10	0.0R88	0.Rf	Q	V				
2v1+	0.0419	0.4+	Q	V				
2v20	0.04+0	0.4+	Q	V				
2v2+	0.0+19	1.00	Q	V				
2vR0	0.0fff	2.1R	Q	V				
2vR+	0.08fm	2.92	Q	V				
2v40	0.10f1	2.8R	Q	V				
2v4+	0.11fR	1.48	Q	V				
2v+0	0.1211	0.f9	Q	V				
2v++	0.1240	0.4R	Q	V				
RV 0	0.12+9	0.2m	Q	V				
RV +	0.12ff	0.10	Q	V				
RV10	0.12f8	0.0R	Q	V				
RV1+	0.12f9	0.01	Q	V				
RV20	0.12f9	0.01	Q	V				
RV2+	0.12f9	0.00	Q	V				

Unit Hydrograph Analysis

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Mi&erside County Synthetic Unit Hydrology Method
MCFC 7 PCD Wanual date - April 19m8

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English (in-16) Input Units Used
English Mainfall Data (Inches) Input Values Used

English Units used in output for5at

Drainage Area = 8.33(Ac.) = 0.013 Sq. Wi.
Drainage Area for Depth-Area Areal Adjust5ent = 8.33(Ac.) = 0.013 Sq. Wi.
Length along longest watercourse = 911.00(Ft.)
Length along longest watercourse 5easured to centroid = 4+R.00(Ft.)
Length along longest watercourse = 0.1m3 Wi.
Length along longest watercourse 5easured to centroid = 0.08R Wi.
Difference in ele&ation = 1R.00(Ft.)
Slope along watercourse = 92.m333 Ft./Wi.
A&erage Wanning's 'N' = 0.030
Lag ti5e = 0.0R2 Hr.
Lag ti5e = 3.R9 Win.
2+% of lag ti5e = 0.92 win.
40% of lag ti5e = 1.48 win.
Unit ti5e = +.00 win.
Duration of stor5 = R Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAM Area rainfall data:

Area(Ac.)[1]	Mainfall(In)[2]	Peighting[1*2]
8.33	1.20	10.00

100 YEAM Area rainfall data:

Area(Ac.)[1]	Mainfall(In)[2]	Peighting[1*2]
8.33	2.+0	20.82

STOMW EVENT (YEAM) = +.00
Area A&eraged 2-Year Mainfall = 1.200(In)
Area A&eraged 100-Year Mainfall = 2.+00(In)

boint rain (area a&eraged) = 1.+04(In)
Areal adjust5ent factor = 100.00 %
Adjusted a&erage point rain = 1.+04(In)

Su6-Area Data:
Area(Ac.) Munoff Index I5per&iuous %
8.330 R9.00 0.000
Total Area Entered = 8.33(Ac.)

MI	MI	Infil. Mate	I5per&iuous	Adj. Infil. Mate	Area%	F
AWC2	AWC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
R9.0	49.8	0.+m4	0.000	0.+m4	1.000	0.+m4
						Su5 (F) = 0.+m4

Area a&eraged 5ean soil loss (F) (In/Hr) = 0.+m4
wini5u5 soil loss rate ((In/Hr)) = 0.28m
(for 24 hour stor5 duration)
Soil low loss rate (deci5al) = 0.900

Unit Hydrograph VALLEY S-Cur&e

Unit Hydrograph Data

Unit ti5e period	ti5e % of lag	Distri6ution	Unit Hydrograph
(hrs)		Graph %	(CFS)

Ex 5yr6hr

Page 1 of 4

1	0.083	13+.344	29.4R0	2.4m3
2	0.1Rm	2m0.R88	4m.99+	4.029
3	0.2+0	40R.032	12.120	1.01m
4	0.333	+41.3mR	+ .3m1	0.4+1
+	0.41m	RmR.m20	2.918	0.24+
R	0.+00	812.0R4	2.13R	0.1m9
			Su5 = 100.000	Su5= 8.39+

The following loss rate calculations reflect use of the 5ini5u5 calculated loss rate subtracted fro5 the Stor5 Main to produce the 5axi5u5 Effecti&e Main &alue

Unit	TiSe (Hr.)	battern bercent	Stor5 Main (In/Hr)	Loss rate(In./Hr) Wax Low	Effecti&e (In/Hr)
1	0.08	0.+0	0.090	(0.+m4)	0.081
2	0.1m	0.R0	0.108	(0.+m4)	0.09m
3	0.2+	0.R0	0.108	(0.+m4)	0.09m
4	0.33	0.R0	0.108	(0.+m4)	0.09m
+	0.42	0.R0	0.108	(0.+m4)	0.09m
R	0.+0	0.m0	0.12R	(0.+m4)	0.114
m	0.+8	0.m0	0.12R	(0.+m4)	0.114
8	0.Rm	0.m0	0.12R	(0.+m4)	0.114
9	0.m+	0.m0	0.12R	(0.+m4)	0.114
10	0.83	0.m0	0.12R	(0.+m4)	0.114
11	0.92	0.m0	0.12R	(0.+m4)	0.114
12	1.00	0.80	0.144	(0.+m4)	0.130
13	1.08	0.80	0.144	(0.+m4)	0.130
14	1.1m	0.80	0.144	(0.+m4)	0.130
1+	1.2+	0.80	0.144	(0.+m4)	0.130
1R	1.33	0.80	0.144	(0.+m4)	0.130
1m	1.42	0.80	0.144	(0.+m4)	0.130
18	1.+0	0.80	0.144	(0.+m4)	0.130
19	1.+8	0.80	0.144	(0.+m4)	0.130
20	1.Rm	0.80	0.144	(0.+m4)	0.130
21	1.m+	0.80	0.144	(0.+m4)	0.130
22	1.83	0.80	0.144	(0.+m4)	0.130
23	1.92	0.80	0.144	(0.+m4)	0.130
24	2.00	0.90	0.1R2	(0.+m4)	0.14R
2+	2.08	0.80	0.144	(0.+m4)	0.130
2R	2.1m	0.90	0.1R2	(0.+m4)	0.14R
2m	2.2+	0.90	0.1R2	(0.+m4)	0.14R
28	2.33	0.90	0.1R2	(0.+m4)	0.14R
29	2.42	0.90	0.1R2	(0.+m4)	0.14R
30	2.+0	0.90	0.1R2	(0.+m4)	0.14R
31	2.+8	0.90	0.1R2	(0.+m4)	0.14R
32	2.Rm	0.90	0.1R2	(0.+m4)	0.14R
33	2.m+	1.00	0.181	(0.+m4)	0.1R2
34	2.83	1.00	0.181	(0.+m4)	0.1R2
3+	2.92	1.00	0.181	(0.+m4)	0.1R2
3R	3.00	1.00	0.181	(0.+m4)	0.1R2
3m	3.08	1.00	0.181	(0.+m4)	0.1R2
38	3.1m	1.10	0.199	(0.+m4)	0.1m9
39	3.2+	1.10	0.199	(0.+m4)	0.1m9
40	3.33	1.10	0.199	(0.+m4)	0.1m9
41	3.42	1.20	0.21m	(0.+m4)	0.19+
42	3.+0	1.30	0.23+	(0.+m4)	0.211
43	3.+8	1.40	0.2+3	(0.+m4)	0.22m
44	3.Rm	1.40	0.2+3	(0.+m4)	0.22m
4+	3.m+	1.+0	0.2m1	(0.+m4)	0.244
4R	3.83	1.+0	0.2m1	(0.+m4)	0.244
4m	3.92	1.R0	0.289	(0.+m4)	0.2R0
48	4.00	1.R0	0.289	(0.+m4)	0.2R0
49	4.08	1.m0	0.30m	(0.+m4)	0.2mR
+0	4.1m	1.80	0.32+	(0.+m4)	0.292
+1	4.2+	1.90	0.343	(0.+m4)	0.309
+2	4.33	2.00	0.3R1	(0.+m4)	0.32+
+3	4.42	2.10	0.3m9	(0.+m4)	0.341
+4	4.+0	2.10	0.3m9	(0.+m4)	0.341
++	4.+8	2.20	0.39m	(0.+m4)	0.3+m
+R	4.Rm	2.30	0.41+	(0.+m4)	0.3m4
+m	4.m+	2.40	0.433	(0.+m4)	0.390
+8	4.83	2.40	0.433	(0.+m4)	0.390
+9	4.92	2.+0	0.4+1	(0.+m4)	0.40R
R0	+0.00	2.R0	0.4R9	(0.+m4)	0.422
R1	+0.08	3.10	0.+R0	(0.+m4)	0.+04
R2	+0.1m	3.R0	0.R+0	(0.+m4)	0.+8+
R3	+0.2+	3.90	0.m04	0.+m4	(0.R34)
R4	+0.33	4.20	0.m+8	0.+m4	(0.R82)
R+	+0.42	4.m0	0.849	0.+m4	(0.mR4)
RR	+0.40	+ .R0	1.011	0.+m4	(0.910)
Rm	+0.48	1.90	0.343	(0.+m4)	0.309
R8	+0.Rm	0.90	0.1R2	(0.+m4)	0.14R
R9	+0.m+	0.R0	0.108	(0.+m4)	0.09m
m0	+0.83	0.+0	0.090	(0.+m4)	0.081
m1	+0.92	0.30	0.0+4	(0.+m4)	0.049
m2	R.00	0.20	0.03R	(0.+m4)	0.032

Ex 5yr6hr

Page 2 of 4

+v3+	0.1331	2.2+		Q				v	
+v40	0.1388	0.82		Q				v	
+v4+	0.141m	0.42		Q				v	
+v+0	0.1434	0.2+		Q				v	
+v++	0.144+	0.1+		Q				v	
Rv 0	0.1449	0.0+		Q				v	
Rv +	0.14+1	0.03		Q				v	
Rv10	0.14+2	0.01		Q				v	
Rv1+	0.14+2	0.00		Q				v	
Rv20	0.14+2	0.00		Q				v	
Rv2+	0.14+2	0.00		Q				v	

Unit Hydrograph Analysis

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Study date 02/28/22 File: ex+2R+.out

Mi&erside County Synthetic Unit Hydrology Method
MCFC 7 PCD Wanual date - April 19m8

brogra5 License Serial Nu56er +00f

English (in-16) Input Units Used
English Main=all Data (Inches) Input Values Used

English Units used in output =or5at

Drainage Area 3 8.qq(Ac.) 3 0.01q Sj. wi.
Drainage Area =or Depth-Area Area1 Adwust5ent 3 8.qq(Ac.) 3 0.01q Sj. wi.
Length along longest 4atercourse 3 911.00(Ft.)
Length along longest 4atercourse 5easured to centroid 3 R+f.00(Ft.)
Length along longest 4atercourse 3 0.1mq wi.
Length along longest 4atercourse 5easured to centroid 3 0.08f wi.
Di=erence in ele&ation 3 1f.00(Ft.)
Slope along 4atercourse 3 92.mqqq Ft./wi.
A&erage Wanning's 'N' 3 0.0q0
Lag ti5e 3 0.0f2 Hr.
Lag ti5e 3 q.f9 win.
2+% o= lag ti5e 3 0.92 win.
R0% o= lag ti5e 3 1.R8 win.
Unit ti5e 3 +.00 win.
Duration o= stor5 3 2R Hour(s)
User Entered Base Flo4 3 0.00(CFS)

2 YEAM Area rain=all data:

Area(Ac.) [1]	Main=all(In) [2]	Peighting [1*2]
8.qq	1.80	1R.99

100 YEAM Area rain=all data:

Area(Ac.) [1]	Main=all(In) [2]	Peighting [1*2]
8.qq	R.+0	qm.R8

STOMW EVENT (YEAM) 3 +.00
Area A&eraged 2-Year Main=all 3 1.800(In)
Area A&eraged 100-Year Main=all 3 R.+00(In)

boint rain (area a&eraged) 3 2.Rq2(In)
Areal adwust5ent =actor 3 100.00 %
Adwusted a&erage point rain 3 2.Rq2(In)

Su6-Area Data:
Area(Ac.) Munq== Index I5per&iuous %
8.qq0 f9.00 0.000
Total Area Entered 3 8.qq(Ac.)

MI	MI	In=il. Mate I5per&iuous	Adw. In=il. Mate Area%	F
AWC2	AWC-1	(In/Hr) (Dec.%)	(In/Hr) (Dec.)	(In/Hr)
f9.0	R9.8	0.+mR 0.000	0.+mR 1.000	0.+mR
			Su5 (F) 3	0.+mR

Area a&eraged 5ean soil loss (F) (In/Hr) 3 0.+mR
wini5u5 soil loss rate ((In/Hr)) 3 0.28m
(=or 2R hour stor5 duration)
Soil lo4 loss rate (deci5al) 3 0.900

Unit Hydrograph VALLEY S-Cur&e

Unit Hydrograph Data

Unit ti5e period (hrs)	Ti5e % o= lag	Distribiution Graph %	Unit Hydrograph (CFS)

Ex 5yr24hr

Page 1 of 9

1	0.08q	1q+.qRR	29.Rf0	2.Rmq
2	0.1fm	2m0.f88	Rm.99+	R.029
q	0.2+0	R0f.0q2	12.120	1.01m
R	0.qqq	+R1.qmf	+qm1	0.R+1
+	0.R1m	fmf.m20	2.918	0.2R+
f	0.+00	812.0fR	2.1qf	0.1m9
		Su5 3 100.000	Su53	8.q9+

The following loss rate calculations reflect use of the 5ini5u5 calculated loss rate subtracted from the Stor5 Main to produce the 5axi5u5 E=ective Main &alue

Unit	TiSe (Hr.)	battern percent	Stor5 Main (In/Hr)	Loss rate(In./Hr) Wax Lo4	E=ective (In/Hr)	
1	0.08	0.0m	0.019	(1.01m)	0.018	0.002
2	0.1m	0.0m	0.019	(1.01R)	0.018	0.002
q	0.2+	0.0m	0.019	(1.010)	0.018	0.002
R	0.qq	0.10	0.029	(1.00f)	0.02f	0.00q
+	0.R2	0.10	0.029	(1.002)	0.02f	0.00q
f	0.+0	0.10	0.029	(0.998)	0.02f	0.00q
m	0.+8	0.10	0.029	(0.99R)	0.02f	0.00q
8	0.fm	0.10	0.029	(0.990)	0.02f	0.00q
9	0.m+	0.10	0.029	(0.98f)	0.02f	0.00q
10	0.8q	0.1q	0.0q9	(0.982)	0.0q+	0.00R
11	0.92	0.1q	0.0q9	(0.9m8)	0.0q+	0.00R
12	1.00	0.1q	0.0q9	(0.9m+)	0.0q+	0.00R
1q	1.08	0.10	0.029	(0.9m1)	0.02f	0.00q
1R	1.1m	0.10	0.029	(0.9fm)	0.02f	0.00q
1+	1.2+	0.10	0.029	(0.9fq)	0.02f	0.00q
1f	1.qq	0.10	0.029	(0.9+9)	0.02f	0.00q
1m	1.R2	0.10	0.029	(0.9++)	0.02f	0.00q
18	1.+0	0.10	0.029	(0.9+2)	0.02f	0.00q
19	1.+8	0.10	0.029	(0.9R8)	0.02f	0.00q
20	1.fm	0.10	0.029	(0.9RR)	0.02f	0.00q
21	1.m+	0.10	0.029	(0.9R0)	0.02f	0.00q
22	1.8q	0.1q	0.0q9	(0.9qf)	0.0q+	0.00R
2q	1.92	0.1q	0.0q9	(0.9qq)	0.0q+	0.00R
2R	2.00	0.1q	0.0q9	(0.929)	0.0q+	0.00R
2+	2.08	0.1q	0.0q9	(0.92+)	0.0q+	0.00R
2f	2.1m	0.1q	0.0q9	(0.921)	0.0q+	0.00R
2m	2.2+	0.1q	0.0q9	(0.918)	0.0q+	0.00R
28	2.qq	0.1q	0.0q9	(0.91R)	0.0q+	0.00R
29	2.R2	0.1q	0.0q9	(0.910)	0.0q+	0.00R
q0	2.+0	0.1q	0.0q9	(0.90f)	0.0q+	0.00R
q1	2.+8	0.1m	0.0R9	(0.90q)	0.0RR	0.00+
q2	2.fm	0.1m	0.0R9	(0.899)	0.0RR	0.00+
qq	2.m+	0.1m	0.0R9	(0.89+)	0.0RR	0.00+
qR	2.8q	0.1m	0.0R9	(0.892)	0.0RR	0.00+
q+	2.92	0.1m	0.0R9	(0.888)	0.0RR	0.00+
qf	q.00	0.1m	0.0R9	(0.88R)	0.0RR	0.00+
qm	q.08	0.1m	0.0R9	(0.881)	0.0RR	0.00+
q8	q.1m	0.1m	0.0R9	(0.8mm)	0.0RR	0.00+
q9	q.2+	0.1m	0.0R9	(0.8mq)	0.0RR	0.00+
R0	q.qq	0.1m	0.0R9	(0.8m0)	0.0RR	0.00+
R1	q.R2	0.1m	0.0R9	(0.8ff)	0.0RR	0.00+
R2	q.+0	0.1m	0.0R9	(0.8f2)	0.0RR	0.00+
Rq	q.+8	0.1m	0.0R9	(0.8+9)	0.0RR	0.00+
RR	q.fm	0.1m	0.0R9	(0.8++)	0.0RR	0.00+
R+	q.m+	0.1m	0.0R9	(0.8+2)	0.0RR	0.00+
Rf	q.8q	0.20	0.0+8	(0.8R8)	0.0+q	0.00f
Rm	q.92	0.20	0.0+8	(0.8RR)	0.0+q	0.00f
R8	R.00	0.20	0.0+8	(0.8R1)	0.0+q	0.00f
R9	R.08	0.20	0.0+8	(0.8qm)	0.0+q	0.00f
+0	R.1m	0.20	0.0+8	(0.8qR)	0.0+q	0.00f
+1	R.2+	0.20	0.0+8	(0.8q0)	0.0+q	0.00f
+2	R.qq	0.2q	0.0f8	(0.82m)	0.0f1	0.00m
+q	R.R2	0.2q	0.0f8	(0.82q)	0.0f1	0.00m
+R	R.+0	0.2q	0.0f8	(0.820)	0.0f1	0.00m
++	R.+8	0.2q	0.0f8	(0.81f)	0.0f1	0.00m
+f	R.fm	0.2q	0.0f8	(0.81q)	0.0f1	0.00m
+m	R.m+	0.2q	0.0f8	(0.809)	0.0f1	0.00m
+8	R.8q	0.2m	0.0m8	(0.80f)	0.0m0	0.008
+9	R.92	0.2m	0.0m8	(0.802)	0.0m0	0.008
f0	+.00	0.2m	0.0m8	(0.m99)	0.0m0	0.008
f1	+.08	0.20	0.0+8	(0.m9+)	0.0+q	0.00f
f2	+.1m	0.20	0.0+8	(0.m92)	0.0+q	0.00f
fq	+.2+	0.20	0.0+8	(0.m88)	0.0+q	0.00f
fR	+.qq	0.2q	0.0f8	(0.m8+)	0.0f1	0.00m
f+	+.R2	0.2q	0.0f8	(0.m81)	0.0f1	0.00m
ff	+.+0	0.2q	0.0f8	(0.mm8)	0.0f1	0.00m
fm	+.+8	0.2m	0.0m8	(0.mm+)	0.0m0	0.008
f8	+.fm	0.2m	0.0m8	(0.mm1)	0.0m0	0.008
f9	+.m+	0.2m	0.0m8	(0.mf8)	0.0m0	0.008
m0	+.8q	0.2m	0.0m8	(0.mfR)	0.0m0	0.008
m1	+.92	0.2m	0.0m8	(0.mf1)	0.0m0	0.008
m2	f.00	0.2m	0.0m8	(0.m+8)	0.0m0	0.008

Ex 5yr24hr

Page 2 of 9

mq	f.08	0.q0	0.088	(0.m+R)	0.0m9	0.009
mR	f.1m	0.q0	0.088	(0.m+1)	0.0m9	0.009
m+	f.2+	0.q0	0.088	(0.mR8)	0.0m9	0.009
mf	f.qq	0.q0	0.088	(0.mRR)	0.0m9	0.009
mm	f.R2	0.q0	0.088	(0.mR1)	0.0m9	0.009
m8	f.+0	0.q0	0.088	(0.mq8)	0.0m9	0.009
m9	f.+8	0.qq	0.09m	(0.mqR)	0.088	0.010
80	f.fm	0.qq	0.09m	(0.mq1)	0.088	0.010
81	f.m+	0.qq	0.09m	(0.m28)	0.088	0.010
82	f.8q	0.qq	0.09m	(0.m2R)	0.088	0.010
8q	f.92	0.qq	0.09m	(0.m21)	0.088	0.010
8R	m.00	0.qq	0.09m	(0.m18)	0.088	0.010
8+	m.08	0.qq	0.09m	(0.m1+)	0.088	0.010
8f	m.1m	0.qq	0.09m	(0.m11)	0.088	0.010
8m	m.2+	0.qq	0.09m	(0.m08)	0.088	0.010
88	m.qq	0.qm	0.10m	(0.m0+)	0.09f	0.011
89	m.R2	0.qm	0.10m	(0.m02)	0.09f	0.011
90	m.+0	0.qm	0.10m	(0.f98)	0.09f	0.011
91	m.+8	0.R0	0.11m	(0.f9+)	0.10+	0.012
92	m.fm	0.R0	0.11m	(0.f92)	0.10+	0.012
9q	m.m+	0.R0	0.11m	(0.f89)	0.10+	0.012
9R	m.8q	0.Rq	0.12f	(0.f8f)	0.11R	0.01q
9+	m.92	0.Rq	0.12f	(0.f82)	0.11R	0.01q
9f	8.00	0.Rq	0.12f	(0.fm9)	0.11R	0.01q
9m	8.08	0.+0	0.1Rf	(0.fmf)	0.1q1	0.01+
98	8.1m	0.+0	0.1Rf	(0.fmq)	0.1q1	0.01+
99	8.2+	0.+0	0.1Rf	(0.fmq)	0.1q1	0.01+
100	8.qq	0.+0	0.1Rf	(0.ffm)	0.1q1	0.01+
101	8.R2	0.+0	0.1Rf	(0.fff)	0.1q1	0.01+
102	8.+0	0.+0	0.1Rf	(0.fff)	0.1q1	0.01+
10q	8.+8	0.+q	0.1+f	(0.f+m)	0.1R0	0.01f
10R	8.fm	0.+q	0.1+f	(0.f+R)	0.1R0	0.01f
10+	8.m+	0.+q	0.1+f	(0.f+1)	0.1R0	0.01f
10f	8.8q	0.+m	0.1f+	(0.fR8)	0.1R9	0.01m
10m	8.92	0.+m	0.1f+	(0.fR+)	0.1R9	0.01m
108	9.00	0.+m	0.1f+	(0.fR2)	0.1R9	0.01m
109	9.08	0.fq	0.18+	(0.fq9)	0.1ff	0.018
110	9.1m	0.fq	0.18+	(0.fqf)	0.1ff	0.018
111	9.2+	0.fq	0.18+	(0.fqq)	0.1ff	0.018
112	9.qq	0.fm	0.19+	(0.fq0)	0.1m+	0.019
11q	9.R2	0.fm	0.19+	(0.f2m)	0.1m+	0.019
11R	9.+0	0.fm	0.19+	(0.f2R)	0.1m+	0.019
11+	9.+8	0.m0	0.20R	(0.f21)	0.18R	0.020
11f	9.fm	0.m0	0.20R	(0.f18)	0.18R	0.020
11m	9.m+	0.m0	0.20R	(0.f1+)	0.18R	0.020
118	9.8q	0.mq	0.21R	(0.f12)	0.19q	0.021
119	9.92	0.mq	0.21R	(0.f09)	0.19q	0.021
120	10.00	0.mq	0.21R	(0.f0f)	0.19q	0.021
121	10.08	0.+0	0.1Rf	(0.f0q)	0.1q1	0.01+
122	10.1m	0.+0	0.1Rf	(0.f00)	0.1q1	0.01+
12q	10.2+	0.+0	0.1Rf	(0.+9m)	0.1q1	0.01+
12R	10.qq	0.+0	0.1Rf	(0.+9R)	0.1q1	0.01+
12+	10.R2	0.+0	0.1Rf	(0.+92)	0.1q1	0.01+
12f	10.+0	0.+0	0.1Rf	(0.+89)	0.1q1	0.01+
12m	10.+8	0.fm	0.19+	(0.+8f)	0.1m+	0.019
128	10.fm	0.fm	0.19+	(0.+8q)	0.1m+	0.019
129	10.m+	0.fm	0.19+	(0.+80)	0.1m+	0.019
1q0	10.8q	0.fm	0.19+	(0.+mm)	0.1m+	0.019
1q1	10.92	0.fm	0.19+	(0.+mR)	0.1m+	0.019
1q2	11.00	0.fm	0.19+	(0.+m2)	0.1m+	0.019
1qq	11.08	0.fq	0.18+	(0.+f9)	0.1ff	0.018
1qR	11.1m	0.fq	0.18+	(0.+ff)	0.1ff	0.018
1q+	11.2+	0.fq	0.18+	(0.+fq)	0.1ff	0.018
1qf	11.qq	0.fq	0.18+	(0.+f0)	0.1ff	0.018
1qm	11.R2	0.fq	0.18+	(0.+++)	0.1ff	0.018
1q8	11.+0	0.fq	0.18+	(0.+++)	0.1ff	0.018
1q9	11.+8	0.+m	0.1f+	(0.++2)	0.1R9	0.01m
1R0	11.fm	0.+m	0.1f+	(0.+R9)	0.1R9	0.01m
1R1	11.m+	0.+m	0.1f+	(0.+Rm)	0.1R9	0.01m
1R2	11.8q	0.f0	0.1m+	(0.+RR)	0.1+8	0.018
1Rq	11.92	0.f0	0.1m+	(0.+R1)	0.1+8	0.018
1RR	12.00	0.f0	0.1m+	(0.+q8)	0.1+8	0.018
1R+	12.08	0.8q	0.2Rq	(0.+qf)	0.219	0.02R
1Rf	12.1m	0.8q	0.2Rq	(0.+qq)	0.219	0.02R
1Rm	12.2+	0.8q	0.2Rq	(0.+q0)	0.219	0.02R
1R8	12.qq	0.8m	0.2+q	(0.+28)	0.228	0.02+
1R9	12.R2	0.8m	0.2+q	(0.+2+)	0.228	0.02+
1+0	12.+0	0.8m	0.2+q	(0.+22)	0.228	0.02+
1+1	12.+8	0.9q	0.2m2	(0.+20)	0.2R+	0.02m
1+2	12.fm	0.9q	0.2m2	(0.+1m)	0.2R+	0.02m
1+q	12.m+	0.9q	0.2m2	(0.+1+)	0.2R+	0.02m
1+R	12.8q	0.9m	0.282	(0.+12)	0.2+R	0.028
1++	12.92	0.9m	0.282	(0.+09)	0.2+R	0.028
1+f	1q.00	0.9m	0.282	(0.+0m)	0.2+R	0.028
1+m	1q.08	1.1q	0.qq1	(0.+0R)	0.298	0.0qq
1+8	1q.1m	1.1q	0.qq1	(0.+02)	0.298	0.0qq
1+9	1q.2+	1.1q	0.qq1	(0.R99)	0.298	0.0qq

Ex 5yr24hr

Page 3 of 9

1f0	1q.qq	1.1q	0.qq1	(0.R9m)	0.298	0.0qq
1f1	1q.R2	1.1q	0.qq1	(0.R9R)	0.298	0.0qq
1f2	1q.+0	1.1q	0.qq1	(0.R92)	0.298	0.0qq
1fq	1q.+8	0.mm	0.22R	(0.R89)	0.201	0.022
1fR	1q.fm	0.mm	0.22R	(0.R8m)	0.201	0.022
1f+	1q.m+	0.mm	0.22R	(0.R8R)	0.201	0.022
1ff	1q.8q	0.mm	0.22R	(0.R82)	0.201	0.022
1fm	1q.92	0.mm	0.22R	(0.Rm9)	0.201	0.022
1f8	1R.00	0.mm	0.22R	(0.Rmm)	0.201	0.022
1f9	1R.08	0.90	0.2fq	(0.RmR)	0.2qf	0.02f
1m0	1R.1m	0.90	0.2fq	(0.Rm2)	0.2qf	0.02f
1m1	1R.2+	0.90	0.2fq	(0.Rf9)	0.2qf	0.02f
1m2	1R.qq	0.8m	0.2+q	(0.Rfm)	0.228	0.02+
1mq	1R.R2	0.8m	0.2+q	(0.Rf+)	0.228	0.02+
1mR	1R.+0	0.8m	0.2+q	(0.Rf2)	0.228	0.02+
1m+	1R.+8	0.8m	0.2+q	(0.Rf0)	0.228	0.02+
1mf	1R.fm	0.8m	0.2+q	(0.R+8)	0.228	0.02+
1mm	1R.m+	0.8m	0.2+q	(0.R++)	0.228	0.02+
1m8	1R.8q	0.8q	0.2Rq	(0.R+q)	0.219	0.02R
1m9	1R.92	0.8q	0.2Rq	(0.R+1)	0.219	0.02R
180	1+.00	0.8q	0.2Rq	(0.RR8)	0.219	0.02R
181	1+.08	0.80	0.2qR	(0.RRf)	0.210	0.02q
182	1+.1m	0.80	0.2qR	(0.RRR)	0.210	0.02q
18q	1+.2+	0.80	0.2qR	(0.RR1)	0.210	0.02q
18R	1+.qq	0.mm	0.22R	(0.Rq9)	0.201	0.022
18+	1+.R2	0.mm	0.22R	(0.Rqm)	0.201	0.022
18f	1+.+0	0.mm	0.22R	(0.Rq+)	0.201	0.022
18m	1+.+8	0.fq	0.18+	(0.Rq2)	0.1ff	0.018
188	1+.fm	0.fq	0.18+	(0.Rq0)	0.1ff	0.018
189	1+.m+	0.fq	0.18+	(0.R28)	0.1ff	0.018
190	1+.8q	0.fq	0.18+	(0.R2f)	0.1ff	0.018
191	1+.92	0.fq	0.18+	(0.R2R)	0.1ff	0.018
192	1f.00	0.fq	0.18+	(0.R21)	0.1ff	0.018
19q	1f.08	0.1q	0.0q9	(0.R19)	0.0q+	0.00R
19R	1f.1m	0.1q	0.0q9	(0.R1m)	0.0q+	0.00R
19+	1f.2+	0.1q	0.0q9	(0.R1+)	0.0q+	0.00R
19f	1f.qq	0.1q	0.0q9	(0.R1q)	0.0q+	0.00R
19m	1f.R2	0.1q	0.0q9	(0.R11)	0.0q+	0.00R
198	1f.+0	0.1q	0.0q9	(0.R09)	0.0q+	0.00R
199	1f.+8	0.10	0.029	(0.R0m)	0.02f	0.00q
200	1f.fm	0.10	0.029	(0.R0+)	0.02f	0.00q
201	1f.m+	0.10	0.029	(0.R0q)	0.02f	0.00q
202	1f.8q	0.10	0.029	(0.R01)	0.02f	0.00q
20q	1f.92	0.10	0.029	(0.q98)	0.02f	0.00q
20R	1m.00	0.10	0.029	(0.q9f)	0.02f	0.00q
20+	1m.08	0.1m	0.0R9	(0.q9R)	0.0RR	0.00+
20f	1m.1m	0.1m	0.0R9	(0.q92)	0.0RR	0.00+
20m	1m.2+	0.1m	0.0R9	(0.q90)	0.0RR	0.00+
208	1m.qq	0.1m	0.0R9	(0.q89)	0.0RR	0.00+
209	1m.R2	0.1m	0.0R9	(0.q8m)	0.0RR	0.00+
210	1m.+0	0.1m	0.0R9	(0.q8+)	0.0RR	0.00+
211	1m.+8	0.1m	0.0R9	(0.q8q)	0.0RR	0.00+
212	1m.fm	0.1m	0.0R9	(0.q81)	0.0RR	0.00+
21q	1m.m+	0.1m	0.0R9	(0.qm9)	0.0RR	0.00+
21R	1m.8q	0.1q	0.0q9	(0.qmm)	0.0q+	0.00R
21+	1m.92	0.1q	0.0q9	(0.qm+)	0.0q+	0.00R
21f	18.00	0.1q	0.0q9	(0.qmq)	0.0q+	0.00R
21m	18.08	0.1q	0.0q9	(0.qm1)	0.0q+	0.00R
218	18.1m	0.1q	0.0q9	(0.qm0)	0.0q+	0.00R
219	18.2+	0.1q	0.0q9	(0.qf8)	0.0q+	0.00R
220	18.qq	0.1q	0.0q9	(0.qff)	0.0q+	0.00R
221	18.R2	0.1q	0.0q9	(0.qfR)	0.0q+	0.00R
222	18.+0	0.1q	0.0q9	(0.qfq)	0.0q+	0.00R
22q	18.+8	0.10	0.029	(0.qf1)	0.02f	0.00q
22R	18.fm	0.10	0.029	(0.q+9)	0.02f	0.00q
22+	18.m+	0.10	0.029	(0.q+m)	0.02f	0.00q
22f	18.8q	0.0m	0.019	(0.q+f)	0.018	0.002
22m	18.92	0.0m	0.019	(0.q+R)	0.018	0.002
228	19.00	0.0m	0.019	(0.q+2)	0.018	0.002
229	19.08	0.10	0.029	(0.q+1)	0.02f	0.00q
2q0	19.1m	0.10	0.029	(0.qR9)	0.02f	0.00q
2q1	19.2+	0.10	0.029	(0.qRm)	0.02f	0.00q
2q2	19.qq	0.1q	0.0q9	(0.qRf)	0.0q+	0.00R
2qq	19.R2	0.1q	0.0q9	(0.qRR)	0.0q+	0.00R
2qR	19.+0	0.1q	0.0q9	(0.qR2)	0.0q+	0.00R
2q+	19.+8	0.10	0.029	(0.qR1)	0.02f	0.00q
2qf	19.fm	0.10	0.029	(0.qq9)	0.02f	0.00q
2qm	19.m+	0.10	0.029	(0.qq8)	0.02f	0.00q
2q8	19.8q	0.0m	0.019	(0.qqf)	0.018	0.002
2q9	19.92	0.0m	0.019	(0.qq+)	0.018	0.002
2R0	20.00	0.0m	0.019	(0.qqq)	0.018	0.002
2R1	20.08	0.10	0.029	(0.qq2)	0.02f	0.00q
2R2	20.1m	0.10	0.029	(0.qq0)	0.02f	0.00q
2Rq	20.2+	0.10	0.029	(0.q29)	0.02f	0.00q
2RR	20.qq	0.10	0.029	(0.q28)	0.02f	0.00q
2R+	20.R2	0.10	0.029	(0.q2f)	0.02f	0.00q
2Rf	20.+0	0.10	0.029	(0.q2+)	0.02f	0.00q

Ex 5yr24hr

Page 4 of 9

Ti5e(hv5)	vo1u5e	Ac.Ft	Q(CFS)	0	2.+	+0	m.+	10.0
0v +	0.0000		0.00 Q					
0v10	0.0001		0.01 Q					
0v1+	0.0002		0.01 Q					
0v20	0.000q		0.02 Q					
0v2+	0.000+		0.02 Q					
0vq0	0.000m		0.02 Q					
0vq+	0.0008		0.02 Q					
0vR0	0.0010		0.02 Q					
0vR+	0.0012		0.02 Q					
0v+0	0.001q		0.0q Q					
0v++	0.001f		0.0q Q					
1v 0	0.0018		0.0q Q					
1v +	0.0020		0.0q Q					
1v10	0.0022		0.0q Q					
1v1+	0.002q		0.0q Q					
1v20	0.002+		0.02 Q					
1v2+	0.002m		0.02 Q					
1vq0	0.0029		0.02 Q					
1vq+	0.00q0		0.02 Q					
1vR0	0.00q2		0.02 Q					
1vR+	0.00qR		0.02 Q					
1v+0	0.00q+		0.0q Q					
1v++	0.00q8		0.0q Q					
2v 0	0.00R0		0.0q Q					

2v +	0.00R2	0.0q	Q				
2v10	0.00RR	0.0q	QV				
2v1+	0.00Rf	0.0q	QV				
2v20	0.00R9	0.0q	QV				
2v2+	0.00+1	0.0q	QV				
2vq0	0.00+q	0.0q	QV				
2vq+	0.00+f	0.0R	QV				
2vR0	0.00+8	0.0R	QV				
2vR+	0.00f1	0.0R	QV				
2v+0	0.00fR	0.0R	QV				
2v++	0.00fm	0.0R	QV				
qv 0	0.00f9	0.0R	QV				
qv +	0.00m2	0.0R	QV				
qv10	0.00m+	0.0R	QV				
qv1+	0.00m8	0.0R	QV				
qv20	0.0081	0.0R	QV				
qv2+	0.008R	0.0R	QV				
qvq0	0.008f	0.0R	Q V				
qvq+	0.0089	0.0R	Q V				
qvr0	0.0092	0.0R	Q V				
qvr+	0.009+	0.0R	Q V				
qv+0	0.0098	0.0R	Q V				
qv++	0.0101	0.0+	Q V				
Rv 0	0.010R	0.0+	Q V				
Rv +	0.0108	0.0+	Q V				
Rv10	0.0111	0.0+	Q V				
Rv1+	0.011R	0.0+	Q V				
Rv20	0.0118	0.0+	Q V				
Rv2+	0.0122	0.0f	Q V				
Rvq0	0.012f	0.0f	Q V				
Rvq+	0.01q0	0.0f	Q V				
RvR0	0.01qR	0.0f	Q V				
RvR+	0.01qm	0.0f	Q V				
Rv+0	0.01R2	0.0f	Q V				
Rv++	0.01Rf	0.0f	Q V				
+v 0	0.01+0	0.0f	Q V				
+v +	0.01++	0.0f	Q V				
+v10	0.01+8	0.0+	Q V				
+v1+	0.01f2	0.0+	Q V				
+v20	0.01f+	0.0+	Q V				
+v2+	0.01f9	0.0f	Q V				
+vq0	0.01mq	0.0f	Q V				
+vq+	0.01mm	0.0f	Q V				
+vR0	0.0181	0.0f	Q V				
+vR+	0.018f	0.0f	Q V				
+v+0	0.0190	0.0f	Q V				
+v++	0.019+	0.0m	Q V				
fv 0	0.0199	0.0m	Q V				
fv +	0.020R	0.0m	Q V				
fv10	0.0209	0.0m	Q V				
fv1+	0.021R	0.0m	Q V				
fv20	0.0219	0.0m	Q V				
fv2+	0.022R	0.0m	Q V				
fvq0	0.0229	0.0m	Q V				
fvq+	0.02qR	0.08	Q V				
fvR0	0.02R0	0.08	Q V				
fvR+	0.02R+	0.08	Q V				
fv+0	0.02+1	0.08	Q V				
fv++	0.02+m	0.08	Q V				
mv 0	0.02f2	0.08	Q V				
mv +	0.02f8	0.08	Q V				
mv10	0.02mq	0.08	Q V				
mv1+	0.02m9	0.08	Q V				
mv20	0.028+	0.08	Q V				
mv2+	0.0291	0.09	Q V				
mvq0	0.029m	0.09	Q V				
mvq+	0.0q0q	0.09	Q V				
mvR0	0.0q10	0.10	Q V				
mvR+	0.0q1m	0.10	Q V				
mv+0	0.0q2R	0.10	Q V				
mv++	0.0qq1	0.10	Q V				
8v 0	0.0qq8	0.11	Q V				
8v +	0.0qRf	0.11	Q V				
8v10	0.0q+R	0.12	Q V				
8v1+	0.0qf2	0.12	Q V				
8v20	0.0qm1	0.12	Q V				
8v2+	0.0qm9	0.12	Q V				
8vq0	0.0q8m	0.12	Q V				
8vq+	0.0q9f	0.12	Q V				
8vR0	0.0R0+	0.1q	Q V				
8vR+	0.0R1R	0.1q	Q V				
8v+0	0.0R2q	0.1q	Q V				
8v++	0.0Rq2	0.1R	Q V				
9v 0	0.0RR2	0.1R	Q V				
9v +	0.0R+2	0.1R	Q V				
9v10	0.0Rf2	0.1+	Q V				
9v1+	0.0Rmq	0.1+	Q V				

9v20	0.0R8R	0.1f	Q	V			
9v2+	0.0R9+	0.1f	Q	V			
9vq0	0.0+0f	0.1f	Q	V			
9vq+	0.0+1m	0.1m	Q	V			
9vR0	0.0+29	0.1m	Q	V			
9vR+	0.0+R1	0.1m	Q	V			
9v+0	0.0++q	0.1m	Q	V			
9v++	0.0+f+	0.18	Q	V			
10v 0	0.0+mm	0.18	Q	V			
10v +	0.0+88	0.1f	Q	V			
10v10	0.0+98	0.1R	Q	V			
10v1+	0.0f0m	0.1q	Q	V			
10v20	0.0f1+	0.1q	Q	V			
10v2+	0.0f2R	0.12	Q	V			
10vq0	0.0fq2	0.12	Q	V			
10vq+	0.0fR2	0.1q	Q	V			
10vR0	0.0f+2	0.1+	Q	V			
10vR+	0.0ffq	0.1f	Q	V			
10v+0	0.0fmR	0.1f	Q	V			
10v++	0.0f8+	0.1f	Q	V			
11v 0	0.0f9m	0.1f	Q	V			
11v +	0.0m08	0.1f	Q	V			
11v10	0.0m19	0.1f	Q	V			
11v1+	0.0m29	0.1f	Q	V			
11v20	0.0mR0	0.1f	Q	V			
11v2+	0.0m+1	0.1f	Q	V			
11vq0	0.0mf1	0.1f	Q	V			
11vq+	0.0mm2	0.1+	Q	V			
11vR0	0.0m82	0.1R	Q	V			
11vR+	0.0m91	0.1R	Q	V			
11v+0	0.0801	0.1R	Q	V			
11v++	0.0811	0.1+	Q	V			
12v 0	0.0821	0.1+	Q	V			
12v +	0.08qq	0.1f	Q	V			
12v10	0.08Rf	0.19	Q	V			
12v1+	0.08+9	0.20	Q	V			
12v20	0.08mq	0.20	Q	V			
12v2+	0.0888	0.21	Q	V			
12vq0	0.0902	0.21	Q	V			
12vq+	0.091m	0.22	Q	V			
12vR0	0.09qq	0.22	Q	V			
12vR+	0.09R8	0.2q	Q	V			
12v+0	0.09fR	0.2q	Q	V			
12v++	0.0980	0.2q	Q	V			
1qv 0	0.099m	0.2R	Q	V			
1qv +	0.101R	0.2+	Q	V			
1qv10	0.10q2	0.2m	Q	V			
1qv1+	0.10+1	0.2m	Q	V			
1qv20	0.10m0	0.28	Q	V			
1qv2+	0.1089	0.28	Q	V			
1qvq0	0.1108	0.28	Q	V			
1qvq+	0.112f	0.2+	Q	V			
1qvR0	0.11R0	0.21	Q	V			
1qvR+	0.11+R	0.20	Q	V			
1qv+0	0.11fm	0.19	Q	V			
1qv++	0.1180	0.19	Q	V			
1Rv 0	0.119q	0.19	Q	V			
1Rv +	0.120m	0.20	Q	V			
1Rv10	0.1221	0.21	Q	V			
1Rv1+	0.12qf	0.22	Q	V			
1Rv20	0.12+1	0.22	Q	V			
1Rv2+	0.12ff	0.21	Q	V			
1Rvq0	0.1281	0.21	Q	V			
1Rvq+	0.129+	0.21	Q	V			
1RvR0	0.1q10	0.21	Q	V			
1RvR+	0.1q2R	0.21	Q	V			
1Rv+0	0.1qq9	0.21	Q	V			
1Rv++	0.1q+q	0.21	Q	V			
1+v 0	0.1qfm	0.21	Q	V			
1+v +	0.1q81	0.20	Q	V			
1+v10	0.1q9+	0.20	Q	V			
1+v1+	0.1R08	0.20	Q	V			
1+v20	0.1R22	0.19	Q	V			
1+v2+	0.1Rq+	0.19	Q	V			
1+vg0	0.1RR8	0.19	Q	V			
1+vg+	0.1Rf0	0.18	Q	V			
1+vr0	0.1Rm1	0.1f	Q	V			
1+vr+	0.1R82	0.1f	Q	V			
1+v+0	0.1R9q	0.1f	Q	V			
1+v++	0.1+0R	0.1f	Q	V			
1fv 0	0.1+1+	0.1f	Q	V			
1fv +	0.1+2q	0.12	Q	V			
1fv10	0.1+2m	0.0f	Q	V			
1fv1+	0.1+q0	0.0+	Q	V			
1fv20	0.1+qq	0.0R	Q	V			
1fv2+	0.1+q+	0.0R	Q	V			
1fvq0	0.1+qm	0.0q	Q	V			

Ex 5yr24hr

Page 7 of 9

1fvq+	0.1+q9	0.0q	Q				V
1fvR0	0.1+R1	0.0q	Q				V
1fvR+	0.1+Rq	0.0q	Q				V
1fv+0	0.1+R+	0.02	Q				V
1fv++	0.1+RF	0.02	Q				V
1mv 0	0.1+R8	0.02	Q				V
1mv +	0.1++0	0.0q	Q				V
1mv10	0.1++q	0.0R	Q				V
1mv1+	0.1+++	0.0R	Q				V
1mv20	0.1++8	0.0R	Q				V
1mv2+	0.1+f1	0.0R	Q				V
1mvq0	0.1+fR	0.0R	Q				V
1mvq+	0.1+fM	0.0R	Q				V
1mvR0	0.1+f9	0.0R	Q				V
1mvR+	0.1+m2	0.0R	Q				V
1mv+0	0.1+m+	0.0R	Q				V
1mv++	0.1+mm	0.0q	Q				V
18v 0	0.1+80	0.0q	Q				V
18v +	0.1+82	0.0q	Q				V
18v10	0.1+8R	0.0q	Q				V
18v1+	0.1+8f	0.0q	Q				V
18v20	0.1+89	0.0q	Q				V
18v2+	0.1+91	0.0q	Q				V
18vq0	0.1+9q	0.0q	Q				V
18vq+	0.1+9+	0.0q	Q				V
18vR0	0.1+9m	0.0q	Q				V
18vR+	0.1+99	0.0q	Q				V
18v+0	0.1f00	0.02	Q				V
18v++	0.1f02	0.02	Q				V
19v 0	0.1f0q	0.02	Q				V
19v +	0.1f0R	0.02	Q				V
19v10	0.1f0f	0.02	Q				V
19v1+	0.1f0m	0.02	Q				V
19v20	0.1f09	0.0q	Q				V
19v2+	0.1f11	0.0q	Q				V
19vq0	0.1f1q	0.0q	Q				V
19vq+	0.1f1+	0.0q	Q				V
19vR0	0.1f1m	0.0q	Q				V
19vR+	0.1f19	0.0q	Q				V
19v+0	0.1f21	0.02	Q				V
19v++	0.1f22	0.02	Q				V
20v 0	0.1f2q	0.02	Q				V
20v +	0.1f2R	0.02	Q				V
20v10	0.1f2f	0.02	Q				V
20v1+	0.1f28	0.02	Q				V
20v20	0.1f29	0.02	Q				V
20v2+	0.1fq1	0.02	Q				V
20vq0	0.1fqq	0.02	Q				V
20vq+	0.1fqR	0.02	Q				V
20vR0	0.1fqf	0.02	Q				V
20vR+	0.1fq8	0.02	Q				V
20v+0	0.1fq9	0.02	Q				V
20v++	0.1fR0	0.02	Q				V
21v 0	0.1fR2	0.02	Q				V
21v +	0.1fRq	0.02	Q				V
21v10	0.1fRR	0.02	Q				V
21v1+	0.1fRf	0.02	Q				V
21v20	0.1fR8	0.02	Q				V
21v2+	0.1fR9	0.02	Q				V
21vq0	0.1f+0	0.02	Q				V
21vq+	0.1f+1	0.02	Q				V
21vR0	0.1f+q	0.02	Q				V
21vR+	0.1f++	0.02	Q				V
21v+0	0.1f+f	0.02	Q				V
21v++	0.1f+m	0.02	Q				V
22v 0	0.1f+8	0.02	Q				V
22v +	0.1ff0	0.02	Q				V
22v10	0.1ff1	0.02	Q				V
22v1+	0.1ffq	0.02	Q				V
22v20	0.1ffR	0.02	Q				V
22v2+	0.1fff	0.02	Q				V
22vq0	0.1ffm	0.02	Q				V
22vq+	0.1ff8	0.02	Q				V
22vR0	0.1ff9	0.02	Q				V
22vR+	0.1fm0	0.02	Q				V
22v+0	0.1fm1	0.02	Q				V
22v++	0.1fmq	0.02	Q				V
2qv 0	0.1fmR	0.02	Q				V
2qv +	0.1fm+	0.02	Q				V
2qv10	0.1fmf	0.02	Q				V
2qv1+	0.1fmm	0.02	Q				V
2qv20	0.1fm8	0.02	Q				V
2qv2+	0.1fm9	0.02	Q				V
2qvq0	0.1f80	0.02	Q				V
2qvq+	0.1f82	0.02	Q				V
2qvR0	0.1f8q	0.02	Q				V
2qvR+	0.1f8R	0.02	Q				V

Ex 5yr24hr

Page 8 of 9

2qv+0	0.1f8+	0.02	Q				V
2qv++	0.1f8f	0.02	Q				V
2Rv 0	0.1f8m	0.02	Q				V
2Rv +	0.1f88	0.01	Q				V
2Rv10	0.1f88	0.00	Q				V
2Rv1+	0.1f88	0.00	Q				V
2Rv20	0.1f88	0.00	Q				V
2Rv2+	0.1f88	0.00	Q				V

Unit Hydrograph Analysis

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 5006

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Drainage Area = 8.33(Ac.) = 0.013 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 8.33(Ac.) = 0.013 Sq. Mi.
Length along longest watercourse = 911.00(Ft.)
Length along longest watercourse measured to centroid = 456.00(Ft.)
Length along longest watercourse = 0.173 Mi.
Length along longest watercourse measured to centroid = 0.086 Mi.
Difference in elevation = 16.00(Ft.)
Slope along watercourse = 92.7333 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.062 Hr.
Lag time = 3.69 Min.
25% of lag time = 0.92 Min.
40% of lag time = 1.48 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
8.33	0.50	4.17

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
8.33	1.20	10.00

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 0.500(In)
Area Averaged 100-Year Rainfall = 1.200(In)

Point rain (area averaged) = 0.788(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 0.788(In)

Sub-Area Data:
Area(Ac.) Runoff Index Impervious %
8.330 69.00 0.000
Total Area Entered = 8.33(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	69.0	0.373	0.000	0.373	1.000	0.373
					Sum (F) =	0.373

Area averaged mean soil loss (F) (In/Hr) = 0.373
Minimum soil loss rate ((In/Hr)) = 0.186
(for 24 hour storm duration)
Soil loss rate (decimal) = 0.900

Slope of intensity-duration curve for a 1 hour storm = 0.5000

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period	Time % of lag	Distribution	Unit Hydrograph

Ex 10yr1hr

Page 1 of 2

	(hrs)		Graph %	(CFS)
1	0.083	135.344	29.460	2.473
2	0.167	270.688	47.995	4.029
3	0.250	406.032	12.120	1.017
4	0.333	541.376	5.371	0.451
5	0.417	676.720	2.918	0.245
6	0.500	812.064	2.136	0.179
Sum = 100.000			Sum=	8.395

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)	Effective (In/Hr)	
1	0.08	4.20	0.397	(Max 0.373) Low	0.357	0.040
2	0.17	4.30	0.407	(0.373)	0.366	0.041
3	0.25	5.00	0.473	0.373 (0.425)	0.100	0.100
4	0.33	5.00	0.473	0.373 (0.425)	0.100	0.100
5	0.42	5.80	0.548	0.373 (0.494)	0.176	0.176
6	0.50	6.50	0.615	0.373 (0.553)	0.242	0.242
7	0.58	7.40	0.700	0.373 (0.630)	0.327	0.327
8	0.67	8.60	0.813	0.373 (0.732)	0.440	0.440
9	0.75	12.30	1.163	0.373 (1.047)	0.790	0.790
10	0.83	29.10	2.751	0.373 (2.476)	2.379	2.379
11	0.92	6.80	0.643	0.373 (0.579)	0.270	0.270
12	1.00	5.00	0.473	0.373 (0.425)	0.100	0.100
Sum = 100.0			Sum = 5.0			
Flood volume = Effective rainfall times area			0.42(In) = 0.3(Ac.Ft)			
Total soil loss = 8.3(Ac.)			0.37(In)			
Total soil loss = 0.257(Ac.Ft)						
Total rainfall = 0.79(In)						
Flood volume = 12608.7 Cubic Feet						
Total soil loss = 11216.5 Cubic Feet						

Peak flow rate of this hydrograph = 11.384(CFS)

1 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	5.0	10.0	15.0	20.0
0+ 5	0.0007	0.10	Q				
0+10	0.0025	0.26	Q				
0+15	0.0056	0.45	Q				
0+20	0.0105	0.71	Q				
0+25	0.0171	0.97	QV				
0+30	0.0273	1.47	QV				
0+35	0.0413	2.04	QV				
0+40	0.0604	2.78	Q	V			
0+45	0.0896	4.23	Q	V			
0+50	0.1568	9.76			Q	V	
0+55	0.2352	11.38			Q	V	
1+ 0	0.2647	4.28		Q			V
1+ 5	0.2786	2.02	Q				V
1+10	0.2851	0.95	Q				V
1+15	0.2888	0.54	Q				V
1+20	0.2893	0.07	Q				V
1+25	0.2895	0.02	Q				V

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Drainage Area 3      8.++(Ac.) 3      0.01+ Sq. &i.
Drainage Area =or Depth-Area Area Adjustbent 3      8.++(Ac.) 3      0.01+ Sq. &i.
Length along longest watercourse 3      911.00(Ft.)
Length along longest watercourse beasured to centroid 3      46f.00(Ft.)
Length along longest watercourse 3      0.1P+ &i.
Length along longest watercourse beasured to centroid 3      0.08f &i.
Di=fference in elevation 3      1f.00(Ft.)
Slope along watercourse 3      92.P+++ Ft./&i.
AVERAGE Manning's 'N' 3 0.0+0
Lag time 3      0.0f2 Hr.
Lag time 3      +.f9 &i.
26% o= lag time 3      0.92 &i.
40% o= lag time 3      1.48 &i.
Unit time 3      6.00 &i.
Duration o= storb 3 + Hour(s)
User Entered Base Flow 3      0.00(CFS)

```

Area(Ac.) [1]	vain=all(In) [2]	7eighting[1*2]
8.++	0.80	f.ff

Area(Ac.)[1]	vain=all(In)[2]	7eighting[1*2]
8.++	1.90	16.8+

STOV& EVENT (YEA) 3 10.00
Area AMerged 2-Year vain=all 3 0.800(In)
Area AMerged 100-Year vain=all 3 1.900(In)

```

point rain (area aMerged) 3      1.26+(In)
Area adjustbent =actor 3      100.00 %
Adjusted aMerged point rain 3      1.26+(In)

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Su5-Area Data:
Area(Ac.)      vuno== Index      Ibperrmious %
      8.++0      f9.00      0.000
Total Area Entered 3      8.++(Ac.)

```

VI	VI	In=il. vate	Iberpmious	Adj. In=il. vate	Area%	F
A&C2	A&C-2	(In/Hr)	(Dec.)	(In/Hr)	(Dec.)	(In/Hr)
f9.0	f9.0	0.+P+	0.000	0.+P+	1.000	0.+P+
					Sub (F) 3	0.+P+

Area averaged bean soil loss (F) (In/Hr) 3 0.+P+
&inibub soil loss rate ((In/Hr)) 3 0.18f
(=or 24 hour storb duration)
Soil low loss rate (decibal) 3 0.900

Unit Hydrograph
VALLEY S-CurMe

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)

1R20	0.021f	0.2P	Q	V					
1R26	0.02+6	0.28	Q	V					
1R+0	0.026P	0.+2	Q	V					
1R+6	0.02P9	0.+2	Q	V					
1R40	0.0+01	0.+2	Q	V					
1R46	0.0++8	0.64	Q	V					
1R60	0.0+9+	0.80	Q	V					
1R66	0.0441	0.f9	Q	V					
2R 0	0.048+	0.f1	Q	V					
2R 6	0.06+0	0.f9	Q	V					
2R10	0.0f11	1.1P	Q	V					
2R16	0.0P68	2.14	Q	V					
2R20	0.091+	2.24	Q	V					
2R26	0.110+	2.Pf	Q	V					
2R+0	0.14+6	4.82	Q	V					
2R+6	0.1842	6.92	Q	V					
2R40	0.224P	6.8P	Q	V					
2R46	0.2490	+.6+	Q	V					
2R60	0.268f	1.+9	Q	V					
2R66	0.2f40	0.P8	Q	V					
+R 0	0.2fp1	0.46	Q	V					
+R 6	0.2f8+	0.18	Q	V					
+R10	0.2f86	0.0+	Q	V					
+R16	0.2f8f	0.02	Q	V					
+R20	0.2f8P	0.01	Q	V					
+R26	0.2f8P	0.00	Q	V					

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Drainage Area = 8.33(Ac.) = 0.013 Sq. &i.
 Drainage Area for Depth-Area Area Adjustbent = 8.33(Ac.) = 0.013 Sq. &i.
 Length along longest watercourse = 911.00(Ft.)
 Length along longest watercourse beasured to centroid = 46+00(Ft.)
 Length along longest watercourse = 0.1P3 &i.
 Length along longest watercourse beasured to centroid = 0.08+ &i.
 Difference in elevation = 1+00(Ft.)
 Slope along watercourse = 92.P333 Ft./&i.
 AVERAGE Manning's 'N' = 0.030
 Lag time = 0.0+2 Hr.
 Lag time = 3+9 &i.
 26% of lag time = 0.92 &i.
 40% of lag time = 1.48 &i.
 Unit time = 6.00 &i.
 Duration of storb = + Hour(s)
 User Entered Base Flow = 0.00(CFS)

Area(Ac.) [1]	vainfall(In) [2]	7eighting[1*2]
8.33	1.20	10.00

Area(Ac.)[1]	vainfall(In)[2]	7eighting[1*2]
8.33	2.60	20.82

STOV & EVENT (YEAV) = 10.00
Area AMerged 2-Year vainfall = 1.200(In)
Area AMerged 100-Year vainfall = 2.600(In)

point rain (area aMerged) = 1.36(In)
Area adjustment factor = 100.00 %
Adjusted aMerged point rain = 1.36(In)

```

Su5-Area Data:
Area(Ac.)      vunoff Index      Ibperrmious %
      8.330          +9.00          0.000
Total Area Entered =      8.33(Ac.)

```

VI	VI	Infil. vate	Iberpmious	Adj. Infil. vate	Area%	F
A&C2	A&C-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
+9.0	+9.0	0.3P3	0.000	0.3P3	1.000	0.3P3
					Sub (F) =	0.3P3

Area averaged bean soil loss (F) (In/Hr) = 0.3P3
 &inub soil loss rate ((In/Hr)) = 0.18+
 (for 24 hour storb duration)
 Soil low loss rate (decibal) = 0.900

Unit Hydrograph
VALLEY S-CurMe

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)

1	0.083	136.344	29.4+0	2.4P3
2	0.1+P	2P0.+88	4P.996	4.029
3	0.260	40+.032	12.120	1.01P
4	0.333	641.3P+	6.3P1	0.461
6	0.41P	+P+. P20	2.918	0.246
+	0.600	812.0+4	2.13+	0.1P9
		Sub = 100.000	Sub=	8.396

The following loss rate calculations reflect use of the binibub calculated loss rate su5tracted frob the Storb vain to produce the baxibub EffectiMe vain Malue

Unit	Tibe (Hr.)	mattern mercent	Storb vain (In/Hr)	Loss rate(In./Hr) &ax Low	EffectiMe (In/Hr)
1	0.08	0.60	0.104	(0.3P3)	0.094
2	0.1P	0.+0	0.126	(0.3P3)	0.112
3	0.26	0.+0	0.126	(0.3P3)	0.112
4	0.33	0.+0	0.126	(0.3P3)	0.112
6	0.42	0.+0	0.126	(0.3P3)	0.112
+	0.60	0.P0	0.14+	(0.3P3)	0.131
P	0.68	0.P0	0.14+	(0.3P3)	0.131
8	0.+P	0.P0	0.14+	(0.3P3)	0.131
9	0.P6	0.P0	0.14+	(0.3P3)	0.131
10	0.83	0.P0	0.14+	(0.3P3)	0.131
11	0.92	0.P0	0.14+	(0.3P3)	0.131
12	1.00	0.80	0.1+P	(0.3P3)	0.160
13	1.08	0.80	0.1+P	(0.3P3)	0.160
14	1.1P	0.80	0.1+P	(0.3P3)	0.160
16	1.26	0.80	0.1+P	(0.3P3)	0.160
1+	1.33	0.80	0.1+P	(0.3P3)	0.160
1P	1.42	0.80	0.1+P	(0.3P3)	0.160
18	1.60	0.80	0.1+P	(0.3P3)	0.160
19	1.68	0.80	0.1+P	(0.3P3)	0.160
20	1.+P	0.80	0.1+P	(0.3P3)	0.160
21	1.P6	0.80	0.1+P	(0.3P3)	0.160
22	1.83	0.80	0.1+P	(0.3P3)	0.160
23	1.92	0.80	0.1+P	(0.3P3)	0.160
24	2.00	0.90	0.18P	(0.3P3)	0.1+9
26	2.08	0.80	0.1+P	(0.3P3)	0.160
2+	2.1P	0.90	0.18P	(0.3P3)	0.1+9
2P	2.26	0.90	0.18P	(0.3P3)	0.1+9
28	2.33	0.90	0.18P	(0.3P3)	0.1+9
29	2.42	0.90	0.18P	(0.3P3)	0.1+9
30	2.60	0.90	0.18P	(0.3P3)	0.1+9
31	2.68	0.90	0.18P	(0.3P3)	0.1+9
32	2.+P	0.90	0.18P	(0.3P3)	0.1+9
33	2.P6	1.00	0.208	(0.3P3)	0.18P
34	2.83	1.00	0.208	(0.3P3)	0.18P
36	2.92	1.00	0.208	(0.3P3)	0.18P
3+	3.00	1.00	0.208	(0.3P3)	0.18P
3P	3.08	1.00	0.208	(0.3P3)	0.18P
38	3.1P	1.10	0.229	(0.3P3)	0.20+
39	3.26	1.10	0.229	(0.3P3)	0.20+
40	3.33	1.10	0.229	(0.3P3)	0.20+
41	3.42	1.20	0.260	(0.3P3)	0.226
42	3.60	1.30	0.2P1	(0.3P3)	0.244
43	3.68	1.40	0.291	(0.3P3)	0.2+2
44	3.+P	1.40	0.291	(0.3P3)	0.2+2
46	3.P6	1.60	0.312	(0.3P3)	0.281
4+	3.83	1.60	0.312	(0.3P3)	0.281
4P	3.92	1.+0	0.333	(0.3P3)	0.300
48	4.00	1.+0	0.333	(0.3P3)	0.300
49	4.08	1.P0	0.364	(0.3P3)	0.319
60	4.1P	1.80	0.3P6	(0.3P3)	0.33P
61	4.26	1.90	0.39+	(0.3P3)	0.36+
62	4.33	2.00	0.41+	(0.3P3	(0.3P6)
63	4.42	2.10	0.43P	0.3P3	(0.393)
64	4.60	2.10	0.43P	0.3P3	(0.393)
66	4.68	2.20	0.468	0.3P3	(0.412)
6+	4.+P	2.30	0.4P9	0.3P3	(0.431)
6P	4.P6	2.40	0.600	0.3P3	(0.460)
68	4.83	2.40	0.600	0.3P3	(0.460)
69	4.92	2.60	0.620	0.3P3	(0.4+8)
+0	6.00	2.+0	0.641	0.3P3	(0.48P)
+1	6.08	3.10	0.+46	0.3P3	(0.681)
+2	6.1P	3.+0	0.P49	0.3P3	(0.+P4)
+3	6.26	3.90	0.812	0.3P3	(0.P31)
+4	6.33	4.20	0.8P4	0.3P3	(0.P8P)
+6	6.42	4.P0	0.9P8	0.3P3	(0.881)
++	6.60	6.+0	1.1++	0.3P3	(1.049)
+P	6.68	1.90	0.39+	(0.3P3)	0.36+
+8	6.+P	0.90	0.18P	(0.3P3)	0.1+9
+9	6.P6	0.+0	0.126	(0.3P3)	0.112
P0	6.83	0.60	0.104	(0.3P3)	0.094
P1	6.92	0.30	0.0+2	(0.3P3)	0.06+
P2	+ .00	0.20	0.042	(0.3P3)	0.03P

Ex 10yr6hr

Page 2 of 4

Tibe(hrb)	volube	Ac.Ft	Q(CFS)	0	2.6	6.0	P.6	10.0
0R 6	0.0002	0.03	Q					
0R10	0.000P	0.0P	Q					
0R16	0.0013	0.09	Q					
0R20	0.0020	0.10	Q					
0R26	0.002P	0.10	Q					
0R30	0.0036	0.11	Q					
0R36	0.0043	0.12	Q					
0R40	0.0061	0.12	Q					
0R46	0.0069	0.12	Q					
0R60	0.00+8	0.12	Q					
0R66	0.00P+	0.12	QV					
1R 0	0.0086	0.13	QV					
1R 6	0.0094	0.14	QV					
1R10	0.0104	0.14	QV					
1R16	0.0113	0.14	QV					
1R20	0.0123	0.14	QV					
1R26	0.0133	0.14	QV					
1R30	0.0142	0.14	QV					
1R36	0.0162	0.14	Q V					
1R40	0.01+2	0.14	Q V					
1R46	0.01P1	0.14	Q V					
1R60	0.0181	0.14	Q V					
1R66	0.0190	0.14	Q V					
2R 0	0.0200	0.16	Q V					
2R 6	0.0211	0.16	Q V					
2R10	0.0221	0.16	Q V					
2R16	0.0231	0.16	Q V					
2R20	0.0242	0.1+	Q V					
2R26	0.0263	0.1+	Q V					
2R30	0.02+4	0.1+	Q V					
2R36	0.02P6	0.1+	Q V					
2R40	0.0286	0.1+	Q V					
2R46	0.029P	0.1+	Q V					
2R60	0.0308	0.1P	Q V					
2R66	0.0320	0.1P	Q V					
3R 0	0.0332	0.1P	Q V					
3R 6	0.0344	0.1P	Q V					
3R10	0.036P	0.18	Q V					
3R16	0.03P0	0.19	Q V					
3R20	0.0383	0.19	Q V					
3R26	0.039+	0.20	Q V					
3R30	0.0411	0.21	Q V					
3R36	0.042+	0.23	Q V					
3R40	0.0443	0.24	Q V					
3R46	0.04+0	0.26	Q V					
3R60	0.04P8	0.2+	Q V					
3R66	0.049+	0.2P	Q V					
4R 0	0.0616	0.2P	Q V					
4R 6	0.0634	0.28	Q V					
4R10	0.0666	0.30	Q V					
4R16	0.06P+	0.31	Q V					
4R20	0.0699	0.34	Q V					
4R26	0.0+2P	0.41	Q V					
4R30	0.0+2	0.60	Q V					
4R36	0.0P01	0.6P	Q V					
4R40	0.0P60	0. P2	Q V					
4R46	0.0811	0.88	Q V					
4R60	0.0880	1.00	Q V					
4R66	0.0966	1.09	Q V					
6R 0	0.1040	1.24	Q V					
6R 6	0.1161	1.+1	Q V					
6R10	0.1311	2.32	Q V					
6R16	0.1619	3.02	Q V					
6R20	0.1P++	3.69	Q V					
6R26	0.206P	4.23	Q V					
6R30	0.2419	6.26	Q V					

6R36	0.2P1+	4.31			Q			V
6R40	0.2819	1.49		Q				V
6R46	0.28P0	0.44		Q				V
6R60	0.2898	0.42		Q				V
6R66	0.2914	0.23		Q				V
+R 0	0.2919	0.04		Q				V
+R 6	0.2921	0.03		Q				V
+R10	0.2922	0.01		Q				V
+R16	0.2922	0.01		Q				V
+R20	0.2922	0.00		Q				V
+R26	0.2922	0.00		Q				V

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Study date 02/28/22 File: ex102+10.out

[illegible]

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mrograb License Serial Nub5er 600f
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Drainage Area 3      8.4q(Ac.) 3      0.01q Sj. &i.
Drainage Area =or Depth-Area Area1 Adwustbent 3      8.4q(Ac.) 3      0.01q Sj. &i.
Length along longest 4atercourse 3      911.00(Ft.)
Length along longest 4atercourse beasured to centroid 3      +6f.00(Ft.)
Length along longest 4atercourse 3      0.1Pq &i.
Length along longest 4atercourse beasured to centroid 3      0.08f &i.
Di=erence in elevation 3      1f.00(Ft.)
Slope along 4atercourse 3      92.Pqqq Ft./&i.
AVERAGE &anning's 'N' 3 0.0q0
Lag tibe 3      0.0f2 Hr.
Lag tibe 3      q.f9 &i.
26% o= lag tibe 3      0.92 &i.
+0% o= lag tibe 3      1.+8 &i.
Unit tibe 3      6.00 &i.
Duration o= storb 3 2+ Hour(s)
User Entered Base Flo4 3      0.00(CFS)

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Area(Ac.) [1]	vain=all(In) [2]	7eighting[1*2]
8.qq	1.80	1+.99

Area(Ac.)[1]	vain=all(In)[2]	7eighting[1*2]
8.qq	+60	qP.+8

STOV& EVENT (YEA) 3 10.00
Area AMerged 2-Year vain=all 3 1.800(In)
Area AMerged 100-Year vain=all 3 +.600(In)

```
moint rain (area aMeraged) 3      2.911(In)
AreaI adwustbent =actor 3 100.00 %
Adwusted aMerage point rain 3      2.911(In)
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Su5-Area Data:
Area(Ac.)      vuno== Index      Ibperrmious %
      8.qq0      f9.00      0.000
Total Area Entered 3      8.qq(Ac.)

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VI	vI	In=il. vate	Ibermious	Adv. In=il. vate	Area%	F
A&C-2	A&C-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
f9.0	f9.0	0.0Pq	0.000	0.0Pq	1.000	0.0Pq
					Sub (F) 3	0.0Pq
Area aMERGED bean soil loss (F)		(In/Hr) 3	0.0Pq			
&inibub soil loss rate ((In/Hr) 3		0.18f				
(=or 2+ hour storb duration)						
Soil lo4 loss rate (decibal) 3		0.900				

Unit Hydrograph
VALLEY S-CurMe

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)

1	0.08q	1q6.q++	29.+f0	2.+Pq
2	0.1fP	2P0.f88	+P.996	+0.29
q	0.260	+0f.0q2	12.120	1.01P
+	0.qqq	6+1.qPf	6.qP1	0.+61
f	0.+1P	fPf.P20	2.918	0.2+6
	0.600	812.0f+	2.1qf	0.1P9
		Sub 3	100.000	Sub3
				8.q96

The following loss rate calculations reflect use of the binomial calculated loss rate subtracted from the storage value to produce the binomial effective value

Unit	Time (Hr.)	Material percent	Storage (In/Hr)	Loss rate (In./Hr)	Effective (In/Hr)
1	0.08	0.0P	0.02q	(0.fff1)	0.021
2	0.1P	0.0P	0.02q	(0.f68)	0.021
q	0.26	0.0P	0.02q	(0.f6f)	0.021
+	0.qq	0.10	0.0q6	(0.f6q)	0.0q1
6	0.+2	0.10	0.0q6	(0.f61)	0.0q1
f	0.60	0.10	0.0q6	(0.f+8)	0.0q1
P	0.68	0.10	0.0q6	(0.f+f)	0.0q1
8	0.fP	0.10	0.0q6	(0.f+q)	0.0q1
9	0.P6	0.10	0.0q6	(0.f+1)	0.0q1
10	0.8q	0.1q	0.0+P	(0.fq8)	0.0+2
11	0.92	0.1q	0.0+P	(0.fqf)	0.0+2
12	1.00	0.1q	0.0+P	(0.fqq)	0.0+2
1q	1.08	0.10	0.0q6	(0.fq1)	0.0q1
1+	1.1P	0.10	0.0q6	(0.f28)	0.0q1
16	1.26	0.10	0.0q6	(0.f2f)	0.0q1
1f	1.qq	0.10	0.0q6	(0.f2q)	0.0q1
1P	1.+2	0.10	0.0q6	(0.f21)	0.0q1
18	1.60	0.10	0.0q6	(0.f18)	0.0q1
19	1.68	0.10	0.0q6	(0.f1f)	0.0q1
20	1.fP	0.10	0.0q6	(0.f1q)	0.0q1
21	1.P6	0.10	0.0q6	(0.f11)	0.0q1
22	1.8q	0.1q	0.0+P	(0.f08)	0.0+2
2q	1.92	0.1q	0.0+P	(0.f0f)	0.0+2
2+	2.00	0.1q	0.0+P	(0.f0q)	0.0+2
26	2.08	0.1q	0.0+P	(0.f01)	0.0+2
2f	2.1P	0.1q	0.0+P	(0.698)	0.0+2
2P	2.26	0.1q	0.0+P	(0.69f)	0.0+2
28	2.qq	0.1q	0.0+P	(0.69+)	0.0+2
29	2.+2	0.1q	0.0+P	(0.691)	0.0+2
q0	2.60	0.1q	0.0+P	(0.689)	0.0+2
q1	2.68	0.1P	0.068	(0.68f)	0.062
q2	2.fP	0.1P	0.068	(0.68+)	0.062
qq	2.P6	0.1P	0.068	(0.682)	0.062
q+	2.8q	0.1P	0.068	(0.6P9)	0.062
q6	2.92	0.1P	0.068	(0.6PP)	0.062
qf	q.00	0.1P	0.068	(0.6P+)	0.062
qP	q.08	0.1P	0.068	(0.6P2)	0.062
q8	q.1P	0.1P	0.068	(0.6P0)	0.062
q9	q.26	0.1P	0.068	(0.6fP)	0.062
+0	q.qq	0.1P	0.068	(0.6f6)	0.062
+1	q.+2	0.1P	0.068	(0.6fq)	0.062
+2	q.60	0.1P	0.068	(0.6f0)	0.062
+q	q.68	0.1P	0.068	(0.668)	0.062
++	q.fP	0.1P	0.068	(0.66f)	0.062
+6	q.P6	0.1P	0.068	(0.66q)	0.062
+f	q.8q	0.20	0.0P0	(0.661)	0.0fq
+P	q.92	0.20	0.0P0	(0.6+9)	0.0fq
+8	+0.00	0.20	0.0P0	(0.6+f)	0.0fq
+9	+0.08	0.20	0.0P0	(0.6++)	0.0fq
60	+0.1P	0.20	0.0P0	(0.6+2)	0.0fq
61	+0.26	0.20	0.0P0	(0.6q9)	0.0fq
62	+0.qq	0.2q	0.082	(0.6qP)	0.0Pq
6q	+0.+2	0.2q	0.082	(0.6q6)	0.0Pq
6+	+0.60	0.2q	0.082	(0.6q2)	0.0Pq
66	+0.68	0.2q	0.082	(0.6q0)	0.0Pq
6f	+0.fP	0.2q	0.082	(0.628)	0.0Pq
6P	+0.P6	0.2q	0.082	(0.62f)	0.0Pq
68	+0.8q	0.2P	0.09q	(0.62q)	0.08+
69	+0.92	0.2P	0.09q	(0.621)	0.08+
f0	6.00	0.2P	0.09q	(0.619)	0.08+
f1	6.08	0.20	0.0P0	(0.61f)	0.0fq
f2	6.1P	0.20	0.0P0	(0.61+)	0.0fq
fq	6.26	0.20	0.0P0	(0.612)	0.0fq
f+	6.qq	0.2q	0.082	(0.610)	0.0Pq
f6	6.+2	0.2q	0.082	(0.608)	0.0Pq
ff	6.60	0.2q	0.082	(0.606)	0.0Pq
fP	6.68	0.2P	0.09q	(0.60q)	0.08+
f8	6.fP	0.2P	0.09q	(0.601)	0.08+
f9	6.P6	0.2P	0.09q	(0.+99)	0.08+
P0	6.8q	0.2P	0.09q	(0.+9f)	0.08+
P1	6.92	0.2P	0.09q	(0.+9+)	0.08+
P2	f.00	0.2P	0.09q	(0.+92)	0.08+

Ex 10yr24hr

Page 2 of 9

Pq	f.08	0.q0	0.106	(0.+90)	0.09+	0.010
P+	f.1P	0.q0	0.106	(0.+88)	0.09+	0.010
P6	f.26	0.q0	0.106	(0.+8f)	0.09+	0.010
Pf	f.qq	0.q0	0.106	(0.+8q)	0.09+	0.010
PP	f.+2	0.q0	0.106	(0.+81)	0.09+	0.010
P8	f.60	0.q0	0.106	(0.+P9)	0.09+	0.010
P9	f.68	0.qq	0.11f	(0.+PP)	0.106	0.012
80	f.fP	0.qq	0.11f	(0.+P6)	0.106	0.012
81	f.p6	0.qq	0.11f	(0.+Pq)	0.106	0.012
82	f.8q	0.qq	0.11f	(0.+P0)	0.106	0.012
8q	f.92	0.qq	0.11f	(0.+f8)	0.106	0.012
8+	P.00	0.qq	0.11f	(0.+ff)	0.106	0.012
86	P.08	0.qq	0.11f	(0.+f+)	0.106	0.012
8f	P.1P	0.qq	0.11f	(0.+f2)	0.106	0.012
8P	P.26	0.qq	0.11f	(0.+f0)	0.106	0.012
88	P.qq	0.qP	0.128	(0.+68)	0.116	0.01q
89	P.+2	0.qP	0.128	(0.+6f)	0.116	0.01q
90	P.60	0.qP	0.128	(0.+6+)	0.116	0.01q
91	P.68	0.+0	0.1+0	(0.+62)	0.12f	0.01+
92	P.fP	0.+0	0.1+0	(0.++9)	0.12f	0.01+
9q	P.p6	0.+0	0.1+0	(0.++P)	0.12f	0.01+
9+	P.8q	0.+q	0.161	(0.++6)	0.1qf	0.016
96	P.92	0.+q	0.161	(0.++q)	0.1qf	0.016
9f	8.00	0.+q	0.161	(0.++1)	0.1qf	0.016
9P	8.08	0.60	0.1P6	(0.+q9)	0.16P	0.01P
98	8.1P	0.60	0.1P6	(0.+qP)	0.16P	0.01P
99	8.26	0.60	0.1P6	(0.+q6)	0.16P	0.01P
100	8.qq	0.60	0.1P6	(0.+qq)	0.16P	0.01P
101	8.+2	0.60	0.1P6	(0.+q1)	0.16P	0.01P
102	8.60	0.60	0.1P6	(0.+29)	0.16P	0.01P
10q	8.68	0.6q	0.18f	(0.+2P)	0.1f8	0.019
10+	8.fP	0.6q	0.18f	(0.+26)	0.1f8	0.019
106	8.p6	0.6q	0.18f	(0.+2q)	0.1f8	0.019
10f	8.8q	0.6P	0.198	(0.+21)	0.1P8	0.020
10P	8.92	0.6P	0.198	(0.+19)	0.1P8	0.020
108	9.00	0.6P	0.198	(0.+1P)	0.1P8	0.020
109	9.08	0.fq	0.221	(0.+16)	0.199	0.022
110	9.1P	0.fq	0.221	(0.+1q)	0.199	0.022
111	9.26	0.fq	0.221	(0.+11)	0.199	0.022
112	9.qq	0.fP	0.2qq	(0.+09)	0.210	0.02q
11q	9.+2	0.fP	0.2qq	(0.+0P)	0.210	0.02q
11+	9.60	0.fP	0.2qq	(0.+06)	0.210	0.02q
116	9.68	0.P0	0.2+6	(0.+0q)	0.220	0.02+
11f	9.fP	0.P0	0.2+6	(0.+01)	0.220	0.02+
11P	9.p6	0.P0	0.2+6	(0.q99)	0.220	0.02+
118	9.8q	0.Pq	0.26f	(0.q98)	0.2q1	0.02f
119	9.92	0.Pq	0.26f	(0.q9f)	0.2q1	0.02f
120	10.00	0.Pq	0.26f	(0.q9+)	0.2q1	0.02f
121	10.08	0.60	0.1P6	(0.q92)	0.16P	0.01P
122	10.1P	0.60	0.1P6	(0.q90)	0.16P	0.01P
12q	10.26	0.60	0.1P6	(0.q88)	0.16P	0.01P
12+	10.qq	0.60	0.1P6	(0.q8f)	0.16P	0.01P
126	10.+2	0.60	0.1P6	(0.q8+)	0.16P	0.01P
12f	10.60	0.60	0.1P6	(0.q82)	0.16P	0.01P
12P	10.68	0.fP	0.2qq	(0.q80)	0.210	0.02q
128	10.fP	0.fP	0.2qq	(0.qP9)	0.210	0.02q
129	10.p6	0.fP	0.2qq	(0.qPP)	0.210	0.02q
1q0	10.8q	0.fP	0.2qq	(0.qP6)	0.210	0.02q
1q1	10.92	0.fP	0.2qq	(0.qPq)	0.210	0.02q
1q2	11.00	0.fP	0.2qq	(0.qP1)	0.210	0.02q
1qq	11.08	0.fq	0.221	(0.qf9)	0.199	0.022
1q+	11.1P	0.fq	0.221	(0.qf8)	0.199	0.022
1q6	11.26	0.fq	0.221	(0.qff)	0.199	0.022
1qf	11.qq	0.fq	0.221	(0.qf+)	0.199	0.022
1qP	11.+2	0.fq	0.221	(0.qf2)	0.199	0.022
1q8	11.60	0.fq	0.221	(0.qf0)	0.199	0.022
1q9	11.68	0.6P	0.198	(0.q69)	0.1P8	0.020
1+0	11.fP	0.6P	0.198	(0.q6P)	0.1P8	0.020
1+1	11.p6	0.6P	0.198	(0.q66)	0.1P8	0.020
1+2	11.8q	0.f0	0.210	(0.q6q)	0.189	0.021
1+q	11.92	0.f0	0.210	(0.q62)	0.189	0.021
1++	12.00	0.f0	0.210	(0.q60)	0.189	0.021
1+6	12.08	0.8q	0.291	(0.q+8)	0.2f2	0.029
1+f	12.1P	0.8q	0.291	(0.q+f)	0.2f2	0.029
1+P	12.26	0.8q	0.291	(0.q+6)	0.2f2	0.029
1+8	12.qq	0.8P	0.q0q	(0.q+q)	0.2P2	0.0q0
1+9	12.+2	0.8P	0.q0q	(0.q+1)	0.2P2	0.0q0
160	12.60	0.8P	0.q0q	(0.qq9)	0.2P2	0.0q0
161	12.68	0.9q	0.q2f	(0.qq8)	0.29q	0.0qq
162	12.fP	0.9q	0.q2f	(0.qqf)	0.29q	0.0qq
16q	12.p6	0.9q	0.q2f	(0.qq+)	0.29q	0.0qq
16+	12.8q	0.9P	0.qq8	(0.qqq)	0.q0+	0.0q+
166	12.92	0.9P	0.qq8	(0.qq1)	0.q0+	0.0q+
16f	1q.00	0.9P	0.qq8	(0.q29)	0.q0+	0.0q+
16P	1q.08	1.1q	0.q9f	(0.q28	(0.q6f)	0.0f8
168	1q.1P	1.1q	0.q9f	(0.q2f	(0.q6f)	0.0P0
169	1q.26	1.1q	0.q9f	(0.q2+	(0.q6f)	0.0P2

Ex 10yr24hr

Page 3 of 9

1f0	1q.qq	1.1q	0.q9f	0.q2q	(0.q6f)	0.0Pq
1f1	1q.+2	1.1q	0.q9f	0.q21	(0.q6f)	0.0P6
1f2	1q.60	1.1q	0.q9f	0.q19	(0.q6f)	0.0PP
1fq	1q.68	0.PP	0.2f8	(0.q18)	0.2+1	0.02P
1f+	1q.fP	0.PP	0.2f8	(0.q1f)	0.2+1	0.02P
1f6	1q.p6	0.PP	0.2f8	(0.q1+)	0.2+1	0.02P
1ff	1q.8q	0.PP	0.2f8	(0.q1q)	0.2+1	0.02P
1fP	1q.92	0.PP	0.2f8	(0.q11)	0.2+1	0.02P
1f8	1+.00	0.PP	0.2f8	(0.q10)	0.2+1	0.02P
1f9	1+.08	0.90	0.q1+	(0.q08)	0.28q	0.0q1
1P0	1+.1P	0.90	0.q1+	(0.q0P)	0.28q	0.0q1
1P1	1+.26	0.90	0.q1+	(0.q06)	0.28q	0.0q1
1P2	1+.qq	0.8P	0.q0q	(0.q0q)	0.2P2	0.0q0
1Pq	1+.+2	0.8P	0.q0q	(0.q02)	0.2P2	0.0q0
1P+	1+.60	0.8P	0.q0q	(0.q00)	0.2P2	0.0q0
1P6	1+.68	0.8P	0.q0q	(0.299)	0.2P2	0.0q0
1Pf	1+.fP	0.8P	0.q0q	(0.29P)	0.2P2	0.0q0
1PP	1+.P6	0.8P	0.q0q	(0.29f)	0.2P2	0.0q0
1P8	1+.8q	0.8q	0.291	(0.29+)	0.2f2	0.029
1P9	1+.92	0.8q	0.291	(0.29q)	0.2f2	0.029
180	16.00	0.8q	0.291	(0.291)	0.2f2	0.029
181	16.08	0.80	0.2P9	(0.290)	0.261	0.028
182	16.1P	0.80	0.2P9	(0.288)	0.261	0.028
18q	16.26	0.80	0.2P9	(0.28P)	0.261	0.028
18+	16.qq	0.PP	0.2f8	(0.286)	0.2+1	0.02P
186	16.+2	0.PP	0.2f8	(0.28+)	0.2+1	0.02P
18f	16.60	0.PP	0.2f8	(0.282)	0.2+1	0.02P
18P	16.68	0.fq	0.221	(0.281)	0.199	0.022
188	16.fP	0.fq	0.221	(0.2P9)	0.199	0.022
189	16.p6	0.fq	0.221	(0.2P8)	0.199	0.022
190	16.8q	0.fq	0.221	(0.2PP)	0.199	0.022
191	16.92	0.fq	0.221	(0.2P6)	0.199	0.022
192	1f.00	0.fq	0.221	(0.2P+)	0.199	0.022
19q	1f.08	0.1q	0.0+P	(0.2P2)	0.0+2	0.006
19+	1f.1P	0.1q	0.0+P	(0.2P1)	0.0+2	0.006
196	1f.26	0.1q	0.0+P	(0.2P0)	0.0+2	0.006
19f	1f.qq	0.1q	0.0+P	(0.2f8)	0.0+2	0.006
19P	1f.+2	0.1q	0.0+P	(0.2fP)	0.0+2	0.006
198	1f.60	0.1q	0.0+P	(0.2f6)	0.0+2	0.006
199	1f.68	0.10	0.0q6	(0.2f+)	0.0q1	0.00q
200	1f.fP	0.10	0.0q6	(0.2fq)	0.0q1	0.00q
201	1f.p6	0.10	0.0q6	(0.2f1)	0.0q1	0.00q
202	1f.8q	0.10	0.0q6	(0.2f0)	0.0q1	0.00q
20q	1f.92	0.10	0.0q6	(0.269)	0.0q1	0.00q
20+	1P.00	0.10	0.0q6	(0.268)	0.0q1	0.00q
206	1P.08	0.1P	0.068	(0.26f)	0.062	0.00f
20f	1P.1P	0.1P	0.068	(0.266)	0.062	0.00f
20P	1P.26	0.1P	0.068	(0.26+)	0.062	0.00f
208	1P.qq	0.1P	0.068	(0.262)	0.062	0.00f
209	1P.+2	0.1P	0.068	(0.261)	0.062	0.00f
210	1P.60	0.1P	0.068	(0.260)	0.062	0.00f
211	1P.68	0.1P	0.068	(0.2+9)	0.062	0.00f
212	1P.fP	0.1P	0.068	(0.2+P)	0.062	0.00f
21q	1P.p6	0.1P	0.068	(0.2+f)	0.062	0.00f
21+	1P.8q	0.1q	0.0+P	(0.2+6)	0.0+2	0.006
216	1P.92	0.1q	0.0+P	(0.2+)	0.0+2	0.006
21f	18.00	0.1q	0.0+P	(0.2+2)	0.0+2	0.006
21P	18.08	0.1q	0.0+P	(0.2+1)	0.0+2	0.006
218	18.1P	0.1q	0.0+P	(0.2+0)	0.0+2	0.006
219	18.26	0.1q	0.0+P	(0.2q9)	0.0+2	0.006
220	18.qq	0.1q	0.0+P	(0.2q8)	0.0+2	0.006
221	18.+2	0.1q	0.0+P	(0.2qP)	0.0+2	0.006
222	18.60	0.1q	0.0+P	(0.2q6)	0.0+2	0.006
22q	18.68	0.10	0.0q6	(0.2q+)	0.0q1	0.00q
22+	18.fP	0.10	0.0q6	(0.2qq)	0.0q1	0.00q
226	18.p6	0.10	0.0q6	(0.2q2)	0.0q1	0.00q
22f	18.8q	0.0P	0.02q	(0.2q1)	0.021	0.002
22P	18.92	0.0P	0.02q	(0.2q0)	0.021	0.002
228	19.00	0.0P	0.02q	(0.229)	0.021	0.002
229	19.08	0.10	0.0q6	(0.228)	0.0q1	0.00q
2q0	19.1P	0.10	0.0q6	(0.22P)	0.0q1	0.00q
2q1	19.26	0.10	0.0q6	(0.22f)	0.0q1	0.00q
2q2	19.qq	0.1q	0.0+P	(0.226)	0.0+2	0.006
2qq	19.+2	0.1q	0.0+P	(0.22q)	0.0+2	0.006
2q+	19.60	0.1q	0.0+P	(0.222)	0.0+2	0.006
2q6	19.68	0.10	0.0q6	(0.221)	0.0q1	0.00q
2qf	19.fP	0.10	0.0q6	(0.220)	0.0q1	0.00q
2qP	19.p6	0.10	0.0q6	(0.219)	0.0q1	0.00q
2q8	19.8q	0.0P	0.02q	(0.218)	0.021	0.002
2q9	19.92	0.0P	0.02q	(0.21P)	0.021	0.002
2+0	20.00	0.0P	0.02q	(0.21f)	0.021	0.002
2+1	20.08	0.10	0.0q6	(0.21f)	0.0q1	0.00q
2+2	20.1P	0.10	0.0q6	(0.216)	0.0q1	0.00q
2+q	20.26	0.10	0.0q6	(0.21+)	0.0q1	0.00q
2++	20.qq	0.10	0.0q6	(0.21q)	0.0q1	0.00q
2+6	20.+2	0.10	0.0q6	(0.212)	0.0q1	0.00q
2+f	20.60	0.10	0.0q6	(0.211)	0.0q1	0.00q

Ex 10yr24hr

Page 4 of 9

[illegible]

Tibe(hrb)	Volube	Ac.Ft	Q(CFS)	0	2.6	6.0	P.6	10.0
OR 6	0.0000		0.01 Q					
OR10	0.0001		0.02 Q					
OR16	0.000q		0.02 Q					
OR20	0.000+		0.02 Q					
OR26	0.000f		0.0q Q					
ORq0	0.0008		0.0q Q					
ORq6	0.0010		0.0q Q					
OR+0	0.0012		0.0q Q					
OR+6	0.001+		0.0q Q					
OR60	0.001f		0.0q Q					
OR66	0.0019		0.0+ Q					
1R 0	0.0021		0.0+ Q					
1R 6	0.002+		0.0+ Q					
1R10	0.002f		0.0q Q					
1R16	0.0028		0.0q Q					
1R20	0.00q0		0.0q Q					
1R26	0.00q2		0.0q Q					
1Rq0	0.00q+		0.0q Q					
1Rq6	0.00qf		0.0q Q					
1R+0	0.00q8		0.0q Q					
1R+6	0.00+0		0.0q Q					
1R60	0.00+2		0.0q Q					
1R66	0.00+6		0.0+ Q					
2R 0	0.00+8		0.0+ Q					

2R_6	0.0060	0.0+	Q				
2R10	0.006q	0.0+	Q				
2R16	0.006f	0.0+	QV				
2R20	0.0068	0.0+	QV				
2R26	0.00f1	0.0+	QV				
2Rq0	0.00f+	0.0+	QV				
2Rq6	0.00fP	0.0+	QV				
2R+0	0.00P0	0.06	QV				
2R+6	0.00Pq	0.06	QV				
2R60	0.00Pf	0.06	QV				
2R66	0.0080	0.06	QV				
qR_0	0.008q	0.06	QV				
qR_6	0.008P	0.06	QV				
qR10	0.0090	0.06	QV				
qR16	0.009q	0.06	QV				
qR20	0.009P	0.06	QV				
qR26	0.0100	0.06	QV				
qRq0	0.010q	0.06	QV				
qRq6	0.010P	0.06	QV				
qR+0	0.0110	0.06	Q V				
qR+6	0.011q	0.06	Q V				
qR60	0.011P	0.06	Q V				
qR66	0.0121	0.0f	Q V				
+R_0	0.0126	0.0f	Q V				
+R_6	0.0129	0.0f	Q V				
+R10	0.01qq	0.0f	Q V				
+R16	0.01qP	0.0f	Q V				
+R20	0.01+1	0.0f	Q V				
+R26	0.01+f	0.0P	Q V				
+Rq0	0.0160	0.0P	Q V				
+Rq6	0.0166	0.0P	Q V				
+R+0	0.01f0	0.0P	Q V				
+R+6	0.01f6	0.0P	Q V				
+R60	0.01f9	0.0P	Q V				
+R66	0.01P6	0.08	Q V				
6R_0	0.0180	0.08	Q V				
6R_6	0.0186	0.0P	Q V				
6R10	0.0189	0.0f	Q V				
6R16	0.019q	0.0f	Q V				
6R20	0.0198	0.0f	Q V				
6R26	0.0202	0.0P	Q V				
6Rq0	0.020P	0.0P	Q V				
6Rq6	0.0212	0.0P	Q V				
6R+0	0.021P	0.08	Q V				
6R+6	0.0222	0.08	Q V				
6R60	0.0228	0.08	Q V				
6R66	0.02qq	0.08	Q V				
fR_0	0.02q9	0.08	Q V				
fR_6	0.02++	0.08	Q V				
fR10	0.0260	0.09	Q V				
fR16	0.026f	0.09	Q V				
fR20	0.02f2	0.09	Q V				
fR26	0.02f8	0.09	Q V				
fRq0	0.02P+	0.09	Q V				
fRq6	0.0280	0.09	Q V				
fR+0	0.028P	0.10	Q V				
fR+6	0.029+	0.10	Q V				
fR60	0.0q00	0.10	Q V				
fR66	0.0q0P	0.10	Q V				
PR_0	0.0q1+	0.10	Q V				
PR_6	0.0q21	0.10	Q V				
PR10	0.0q2P	0.10	Q V				
PR16	0.0qq+	0.10	Q V				
PR20	0.0q+1	0.10	Q V				
PR26	0.0q+8	0.11	Q V				
PRq0	0.0q6f	0.11	Q V				
PRq6	0.0qfq	0.11	Q V				
PR+0	0.0qp1	0.11	Q V				
PR+6	0.0qp9	0.12	Q V				
PR60	0.0q8P	0.12	Q V				
PR66	0.0q9f	0.12	Q V				
8R_0	0.0+06	0.1q	Q V				
8R_6	0.0+1+	0.1q	Q V				
8R10	0.0+2q	0.1+	Q V				
8R16	0.0+qq	0.1+	Q V				
8R20	0.0++q	0.16	Q V				
8R26	0.0+6+	0.16	Q V				
8Rq0	0.0+f+	0.16	Q V				
8Rq6	0.0+P+	0.16	Q V				
8R+0	0.0+86	0.16	Q V				
8R+6	0.0+96	0.1f	Q V				
8R60	0.060f	0.1f	Q V				
8R66	0.0618	0.1f	Q V				
9R_0	0.0629	0.1P	Q V				
9R_6	0.06+1	0.1P	Q V				
9R10	0.066q	0.18	Q V				
9R16	0.06ff	0.18	Q V				

Ex 10yr24hr

Page 6 of 9

9R20	0.06P9	0.19	Q	V			
9R26	0.0692	0.19	Q	V			
9Rq0	0.0f06	0.19	Q	V			
9Rq6	0.0f19	0.20	Q	V			
9R+0	0.0fqq	0.20	Q	V			
9R+6	0.0f+P	0.20	Q	V			
9R60	0.0ff1	0.21	Q	V			
9R66	0.0fPf	0.21	Q	V			
10R 0	0.0f91	0.21	Q	V			
10R 6	0.0P0+	0.19	Q	V			
10R10	0.0P16	0.1f	Q	V			
10R16	0.0P2f	0.16	Q	V			
10R20	0.0Pqf	0.16	Q	V			
10R26	0.0P+P	0.16	Q	V			
10Rq0	0.0P6P	0.16	Q	V			
10Rq6	0.0Pf8	0.1f	Q	V			
10R+0	0.0P80	0.18	Q	V			
10R+6	0.0P9+	0.19	Q	V			
10R60	0.080P	0.19	Q	V			
10R66	0.0820	0.19	Q	V			
11R 0	0.08q+	0.20	Q	V			
11R 6	0.08+P	0.19	Q	V			
11R10	0.08f0	0.19	Q	V			
11R16	0.08Pq	0.19	Q	V			
11R20	0.088f	0.19	Q	V			
11R26	0.0898	0.19	Q	V			
11Rq0	0.0911	0.19	Q	V			
11Rq6	0.092+	0.18	Q	V			
11R+0	0.09q6	0.1P	Q	V			
11R+6	0.09+P	0.1P	Q	V			
11R60	0.0969	0.1P	Q	V			
11R66	0.09P1	0.1P	Q	V			
12R 0	0.098q	0.18	Q	V			
12R 6	0.099f	0.20	Q	V			
12R10	0.1012	0.2q	Q	V			
12R16	0.1028	0.2+	Q	V			
12R20	0.10+6	0.2+	Q	V			
12R26	0.10f2	0.26	Q	V			
12Rq0	0.1080	0.26	Q	V			
12Rq6	0.1098	0.2f	Q	V			
12R+0	0.111f	0.2P	Q	V			
12R+6	0.11q6	0.2P	Q	V			
12R60	0.116+	0.28	Q	V			
12R66	0.11Pq	0.28	Q	V			
1qR 0	0.119q	0.28	Q	V			
1qR 6	0.1218	0.qP	Q	V			
1qR10	0.126q	0.6f	Q	V			
1qR16	0.1292	0.6f	Q	V			
1qR20	0.1qq2	0.69	Q	V			
1qR26	0.1qP+	0.f1	Q	V			
1qRq0	0.1+1P	0.fq	Q	V			
1qRq6	0.1+6q	0.61	Q	V			
1qR+0	0.1+P6	0.q2	Q	V			
1qR+6	0.1+9q	0.2P	Q	V			
1qR60	0.1610	0.26	Q	V			
1qR66	0.162f	0.2q	Q	V			
1+R 0	0.16+2	0.22	Q	V			
1+R 6	0.1668	0.2+	Q	V			
1+R10	0.16P6	0.2f	Q	V			
1+R16	0.169q	0.2f	Q	V			
1+R20	0.1f11	0.2f	Q	V			
1+R26	0.1f29	0.2f	Q	V			
1+Rq0	0.1f+f	0.2f	Q	V			
1+Rq6	0.1ff+	0.26	Q	V			
1+R+0	0.1f81	0.26	Q	V			
1+R+6	0.1f99	0.26	Q	V			
1+R60	0.1P1f	0.26	Q	V			
1+R66	0.1Pqq	0.26	Q	V			
16R 0	0.1P60	0.26	Q	V			
16R 6	0.1PfP	0.2+	Q	V			
16R10	0.1P8q	0.2+	Q	V			
16R16	0.1P99	0.2+	Q	V			
16R20	0.1816	0.2q	Q	V			
16R26	0.18q1	0.2q	Q	V			
16Rq0	0.18+P	0.2q	Q	V			
16Rq6	0.18f1	0.21	Q	V			
16R+0	0.18P6	0.19	Q	V			
16R+6	0.1888	0.19	Q	V			
16R60	0.1901	0.19	Q	V			
16R66	0.191+	0.19	Q	V			
1fR 0	0.192f	0.19	Q	V			
1fR 6	0.19qf	0.1+	Q	V			
1fR10	0.19+1	0.0P	Q	V			
1fR16	0.19+6	0.06	Q	V			
1fR20	0.19+8	0.06	Q	V			
1fR26	0.1961	0.0+	Q	V			
1fRq0	0.196+	0.0+	Q	V			

Ex 10yr24hr

Page 7 of 9

1fRq6	0.196f	0.0+	Q				V
1fR+0	0.1968	0.0q	Q				V
1fR+6	0.19f1	0.0q	Q				V
1fR60	0.19fq	0.0q	Q				V
1fR66	0.19f6	0.0q	Q				V
1PR 0	0.19fP	0.0q	Q				V
1PR 6	0.19f9	0.0+	Q				V
1PR10	0.19P2	0.0+	Q				V
1PR16	0.19P6	0.06	Q				V
1PR20	0.19P9	0.06	Q				V
1PR26	0.1982	0.06	Q				V
1PRq0	0.1986	0.06	Q				V
1PRq6	0.1989	0.06	Q				V
1PR+0	0.1992	0.06	Q				V
1PR+6	0.199f	0.06	Q				V
1PR60	0.1999	0.06	Q				V
1PR66	0.2002	0.0+	Q				V
18R 0	0.200+	0.0+	Q				V
18R 6	0.200P	0.0+	Q				V
18R10	0.2010	0.0+	Q				V
18R16	0.2012	0.0+	Q				V
18R20	0.2016	0.0+	Q				V
18R26	0.2018	0.0+	Q				V
18Rq0	0.2020	0.0+	Q				V
18Rq6	0.202q	0.0+	Q				V
18R+0	0.2026	0.0q	Q				V
18R+6	0.202P	0.0q	Q				V
18R60	0.2029	0.0q	Q				V
18R66	0.20q1	0.02	Q				V
19R 0	0.20q2	0.02	Q				V
19R 6	0.20q+	0.02	Q				V
19R10	0.20qf	0.0q	Q				V
19R16	0.20qP	0.0q	Q				V
19R20	0.20+0	0.0q	Q				V
19R26	0.20+2	0.0+	Q				V
19Rq0	0.20+6	0.0+	Q				V
19Rq6	0.20+P	0.0+	Q				V
19R+0	0.20+9	0.0q	Q				V
19R+6	0.2061	0.0q	Q				V
19R60	0.206q	0.0q	Q				V
19R66	0.2066	0.02	Q				V
20R 0	0.206f	0.02	Q				V
20R 6	0.2068	0.02	Q				V
20R10	0.20f0	0.0q	Q				V
20R16	0.20f2	0.0q	Q				V
20R20	0.20f+	0.0q	Q				V
20R26	0.20ff	0.0q	Q				V
20Rq0	0.20f8	0.0q	Q				V
20Rq6	0.20P0	0.0q	Q				V
20R+0	0.20P2	0.0q	Q				V
20R+6	0.20P+	0.0q	Q				V
20R60	0.20Pf	0.0q	Q				V
20R66	0.20PP	0.02	Q				V
21R 0	0.20P9	0.02	Q				V
21R 6	0.2080	0.02	Q				V
21R10	0.2082	0.0q	Q				V
21R16	0.208+	0.0q	Q				V
21R20	0.208f	0.0q	Q				V
21R26	0.208P	0.02	Q				V
21Rq0	0.2089	0.02	Q				V
21Rq6	0.2090	0.02	Q				V
21R+0	0.2092	0.0q	Q				V
21R+6	0.209+	0.0q	Q				V
21R60	0.209f	0.0q	Q				V
21R66	0.209P	0.02	Q				V
22R 0	0.2099	0.02	Q				V
22R 6	0.2100	0.02	Q				V
22R10	0.2102	0.0q	Q				V
22R16	0.210+	0.0q	Q				V
22R20	0.210f	0.0q	Q				V
22R26	0.210P	0.02	Q				V
22Rq0	0.2109	0.02	Q				V
22Rq6	0.2110	0.02	Q				V
22R+0	0.2112	0.02	Q				V
22R+6	0.211q	0.02	Q				V
22R60	0.211+	0.02	Q				V
22R66	0.211f	0.02	Q				V
2qR 0	0.211P	0.02	Q				V
2qR 6	0.2118	0.02	Q				V
2qR10	0.2120	0.02	Q				V
2qR16	0.2121	0.02	Q				V
2qR20	0.2122	0.02	Q				V
2qR26	0.212+	0.02	Q				V
2qRq0	0.2126	0.02	Q				V
2qRq6	0.212f	0.02	Q				V
2qR+0	0.2128	0.02	Q				V
2qR+6	0.2129	0.02	Q				V

2qR60	0.21q0	0.02	Q				V
2qR66	0.21q2	0.02	Q				V
2+R 0	0.21qq	0.02	Q				V
2+R 6	0.21q+	0.01	Q				V
2+R10	0.21q+	0.00	Q				V
2+R16	0.21q6	0.00	Q				V
2+R20	0.21q6	0.00	Q				V
2+R26	0.21q6	0.00	Q				V

Unit Hydrograph Analysis

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 5006

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Drainage Area = 8.33(Ac.) = 0.013 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 8.33(Ac.) = 0.013 Sq. Mi.
Length along longest watercourse = 911.00(Ft.)
Length along longest watercourse measured to centroid = 456.00(Ft.)
Length along longest watercourse = 0.173 Mi.
Length along longest watercourse measured to centroid = 0.086 Mi.
Difference in elevation = 16.00(Ft.)
Slope along watercourse = 92.7333 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.062 Hr.
Lag time = 3.69 Min.
25% of lag time = 0.92 Min.
40% of lag time = 1.48 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
8.33	0.50	4.17

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
8.33	1.20	10.00

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 0.500(In)
Area Averaged 100-Year Rainfall = 1.200(In)

Point rain (area averaged) = 1.200(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 1.200(In)

Sub-Area Data:
Area(Ac.) Runoff Index Impervious %
8.330 69.00 0.000
Total Area Entered = 8.33(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	69.0	0.373	0.000	0.373	1.000	0.373
					Sum (F) =	0.373

Area averaged mean soil loss (F) (In/Hr) = 0.373
Minimum soil loss rate ((In/Hr)) = 0.186
(for 24 hour storm duration)
Soil loss rate (decimal) = 0.900

Slope of intensity-duration curve for a 1 hour storm = 0.5000

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period	Time % of lag	Distribution	Unit Hydrograph

Ex 100yr1hr

Page 1 of 2

	(hrs)		Graph %	(CFS)
1	0.083	135.344	29.460	2.473
2	0.167	270.688	47.995	4.029
3	0.250	406.032	12.120	1.017
4	0.333	541.376	5.371	0.451
5	0.417	676.720	2.918	0.245
6	0.500	812.064	2.136	0.179
Sum = 100.000			Sum=	8.395

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	4.20	0.605	0.373	(0.544)	0.232
2	0.17	4.30	0.619	0.373	(0.557)	0.246
3	0.25	5.00	0.720	0.373	(0.648)	0.347
4	0.33	5.00	0.720	0.373	(0.648)	0.347
5	0.42	5.80	0.835	0.373	(0.752)	0.462
6	0.50	6.50	0.936	0.373	(0.842)	0.563
7	0.58	7.40	1.066	0.373	(0.959)	0.693
8	0.67	8.60	1.238	0.373	(1.114)	0.866
9	0.75	12.30	1.771	0.373	(1.594)	1.398
10	0.83	29.10	4.190	0.373	(3.771)	3.817
11	0.92	6.80	0.979	0.373	(0.881)	0.606
12	1.00	5.00	0.720	0.373	(0.648)	0.347
(Loss Rate Not Used)						
Sum =		100.0	Sum = 9.9			
Flood volume = Effective rainfall 0.83(In) times area 8.3(Ac.)/[(In)/(Ft.)] = 0.6(Ac.Ft)						
Total soil loss = 0.37(In)						
Total soil loss = 0.259(Ac.Ft)						
Total rainfall = 1.20(In)						
Flood volume = 25010.1 Cubic Feet						
Total soil loss = 11272.7 Cubic Feet						

Peak flow rate of this hydrograph = 18.974(CFS)

1 - H O U R S T O R M R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	5.0	10.0	15.0	20.0
0+ 5	0.0040	0.57	VQ				
0+10	0.0146	1.54	V Q				
0+15	0.0290	2.09	V Q				
0+20	0.0470	2.61	V Q				
0+25	0.0681	3.06	V Q				
0+30	0.0947	3.87	VQ				
0+35	0.1274	4.74	VQ				
0+40	0.1678	5.86		Q			
0+45	0.2234	8.08		VQ			
0+50	0.3371	16.50			V		
0+55	0.4677	18.97				Q	
1+ 0	0.5239	8.16				V	
1+ 5	0.5531	4.24		Q			V
1+10	0.5656	1.81	Q				V
1+15	0.5724	0.99	Q				V
1+20	0.5737	0.19	Q				V
1+25	0.5742	0.06	Q				V

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Drainage Area 3      8.++(Ac.) 3      0.01+ Sq. &i.
Drainage Area =or Depth-Area Area Adjustbent 3      8.++(Ac.) 3      0.01+ Sq. &i.
Length along longest watercourse 3      911.00(Ft.)
Length along longest watercourse beasured to centroid 3      46f.00(Ft.)
Length along longest watercourse 3      0.1P+ &i.
Length along longest watercourse beasured to centroid 3      0.08f &i.
Di=ifference in elevation 3      1f.00(Ft.)
Slope along watercourse 3      92.P+++ Ft./&i.
AVERAGE Manning's 'N' 3 0.0+0
Lag time 3      0.0f2 Hr.
Lag time 3      +.f9 &i.
26% o= lag time 3      0.92 &i.
40% o= lag time 3      1.48 &i.
Unit time 3      6.00 &i.
Duration o= storb 3 + Hour(s)
User Entered Base Flow 3      0.00(CFS)

```

Area(Ac.) [1]	vain=all(In) [2]	7eighting[1*2]
8.++	0.80	f.ff

Area(Ac.)[1]	vain=all(In)[2]	7eighting[1*2]
8.++	1.90	16.8+

STOV& EVENT (YEA) 3 100.00
Area AMerged 2-Year vain=all 3 0.800(In)
Area AMerged 100-Year vain=all 3 1.900(In)

```

point rain (area aMerged) 3      1.900(In)
Area adjustbent =actor 3      100.00 %
Adjusted aMerged point rain 3      1.900(In)

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Su5-Area Data:
Area(Ac.)      vuno== Index      Ibperrmious %
      8.++0      f9.00      0.000
Total Area Entered 3      8.++(Ac.)

```

VI	vI	In=il.	vate	IbperMious	Adj.	In=il.	vate	Area%	F
A&C-2	A&C-2	(In/Hr)	(Dec.)		(In/Hr)	(Dec.)			(In/Hr)
f9.0	f9.0	0.+P+	0.000		0.+P+	1.000			0.+P+
						Sub (F)	3		0.+P+
Area a	merged	bean soil loss (F)	(In/Hr)	3	0.+P+				
&inibub	soil loss rate ((In/Hr)	3	0.18f						
(=or 24 hour	storb duration)								
Soil low	loss rate (decibal)	3	0.900						

Unit Hydrograph
VALLEY S-CurMe

Unit Hydrograph Data

Unit time period (hrs)	Time % on lag	Distribution Graph %	Unit Hydrograph (CFS)

1R20	0.046+	0.9+	Q V				
1R26	0.0629	1.11	QV				
1R+0	0.0f46	1.f8	Q V				
1R+6	0.0Pf4	1.P+	Q V				
1R40	0.0881	1.f9	Q V				
1R46	0.10+P	2.2P	Q V				
1R60	0.1229	2.P8	Q V				
1R66	0.1411	2.f4	Q V				
2R 0	0.1686	2.6+	Q V				
2R 6	0.1Pf9	2.ff	Q V				
2R10	0.2002	+.+9	Q				
2R16	0.2++P	4.8P	Q				
2R20	0.2f8+	6.02	Q				
2R26	0.+.08+	6.81	Q				
2R+0	0.+.f98	8.9+					
2R+6	0.442P	10.69					
2R40	0.6162	10.6+					
2R46	0.6f0P	f.f0					
2R60	0.6P88	2.f+					
2R66	0.6884	1.+9					
+R 0	0.69+8	0.P9					
+R 6	0.6969	0.+1					
+R10	0.69f+	0.0f					
+R16	0.69f6	0.02					
+R20	0.69f6	0.01					
+R26	0.69f6	0.00					

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English Units used in output forbat

Area averaged bean soil loss (F) (In/Hr) = 0.3P3
 &inub soil loss rate ((In/Hr)) = 0.18+
 (for 24 hour storb duration)
 Soil low loss rate (decibal) = 0.900

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)

1	0.083	136.344	29.4+0	2.4P3
2	0.1+P	2P0.+88	4P.996	4.029
3	0.260	40+.032	12.120	1.01P
4	0.333	641.3P+	6.3P1	0.461
6	0.41P	+P+.P20	2.918	0.246
+	0.600	812.0+4	2.13+	0.1P9
		Sub = 100.000	Sub=	8.396

The following loss rate calculations reflect use of the binibub calculated loss rate su5tracted frob the Storb vain to produce the baxibub EffectiMe vain Malue

Unit	Tibe (Hr.)	mattern mercent	Storb vain (In/Hr)	Loss rate(In./Hr) &ax Low	EffectiMe (In/Hr)
1	0.08	0.60	0.160	(0.3P3)	0.136
2	0.1P	0.+0	0.180	(0.3P3)	0.1+2
3	0.26	0.+0	0.180	(0.3P3)	0.1+2
4	0.33	0.+0	0.180	(0.3P3)	0.1+2
6	0.42	0.+0	0.180	(0.3P3)	0.1+2
+	0.60	0.P0	0.210	(0.3P3)	0.189
P	0.68	0.P0	0.210	(0.3P3)	0.189
8	0.+P	0.P0	0.210	(0.3P3)	0.189
9	0.P6	0.P0	0.210	(0.3P3)	0.189
10	0.83	0.P0	0.210	(0.3P3)	0.189
11	0.92	0.P0	0.210	(0.3P3)	0.189
12	1.00	0.80	0.240	(0.3P3)	0.21+
13	1.08	0.80	0.240	(0.3P3)	0.21+
14	1.1P	0.80	0.240	(0.3P3)	0.21+
16	1.26	0.80	0.240	(0.3P3)	0.21+
1+	1.33	0.80	0.240	(0.3P3)	0.21+
1P	1.42	0.80	0.240	(0.3P3)	0.21+
18	1.60	0.80	0.240	(0.3P3)	0.21+
19	1.68	0.80	0.240	(0.3P3)	0.21+
20	1.+P	0.80	0.240	(0.3P3)	0.21+
21	1.P6	0.80	0.240	(0.3P3)	0.21+
22	1.83	0.80	0.240	(0.3P3)	0.21+
23	1.92	0.80	0.240	(0.3P3)	0.21+
24	2.00	0.90	0.2P0	(0.3P3)	0.243
26	2.08	0.80	0.240	(0.3P3)	0.21+
2+	2.1P	0.90	0.2P0	(0.3P3)	0.243
2P	2.26	0.90	0.2P0	(0.3P3)	0.243
28	2.33	0.90	0.2P0	(0.3P3)	0.243
29	2.42	0.90	0.2P0	(0.3P3)	0.243
30	2.60	0.90	0.2P0	(0.3P3)	0.243
31	2.68	0.90	0.2P0	(0.3P3)	0.243
32	2.+P	0.90	0.2P0	(0.3P3)	0.243
33	2.P6	1.00	0.300	(0.3P3)	0.2P0
34	2.83	1.00	0.300	(0.3P3)	0.2P0
36	2.92	1.00	0.300	(0.3P3)	0.2P0
3+	3.00	1.00	0.300	(0.3P3)	0.2P0
3P	3.08	1.00	0.300	(0.3P3)	0.2P0
38	3.1P	1.10	0.330	(0.3P3)	0.29P
39	3.26	1.10	0.330	(0.3P3)	0.29P
40	3.33	1.10	0.330	(0.3P3)	0.29P
41	3.42	1.20	0.3+0	(0.3P3)	0.324
42	3.60	1.30	0.390	(0.3P3)	0.361
43	3.68	1.40	0.420	0.3P3 (0.3P8)	0.04P
44	3.+P	1.40	0.420	0.3P3 (0.3P8)	0.04P
46	3.P6	1.60	0.460	0.3P3 (0.406)	0.0PP
4+	3.83	1.60	0.460	0.3P3 (0.406)	0.0PP
4P	3.92	1.+0	0.480	0.3P3 (0.432)	0.10P
48	4.00	1.+0	0.480	0.3P3 (0.432)	0.10P
49	4.08	1.P0	0.610	0.3P3 (0.469)	0.13P
60	4.1P	1.80	0.640	0.3P3 (0.48+)	0.1+P
61	4.26	1.90	0.6P0	0.3P3 (0.613)	0.19P
62	4.33	2.00	0.+00	0.3P3 (0.640)	0.22P
63	4.42	2.10	0.+30	0.3P3 (0.6+P)	0.26P
64	4.60	2.10	0.+30	0.3P3 (0.6+P)	0.26P
66	4.68	2.20	0.++0	0.3P3 (0.694)	0.28P
6+	4.+P	2.30	0.+90	0.3P3 (0.+21)	0.31P
6P	4.P6	2.40	0.P20	0.3P3 (0.+48)	0.34P
68	4.83	2.40	0.P20	0.3P3 (0.+48)	0.34P
69	4.92	2.60	0.P60	0.3P3 (0.+P6)	0.3PP
+0	6.00	2.+0	0.P80	0.3P3 (0.P02)	0.40P
+1	6.08	3.10	0.930	0.3P3 (0.83P)	0.66P
+2	6.1P	3.+0	1.080	0.3P3 (0.9P2)	0.P0P
+3	6.26	3.90	1.1P0	0.3P3 (1.063)	0.P9P
+4	6.33	4.20	1.2+0	0.3P3 (1.134)	0.88P
+6	6.42	4.P0	1.410	0.3P3 (1.2+9)	1.03P
++	6.60	6.+0	1.+80	0.3P3 (1.612)	1.30P
+P	6.68	1.90	0.6P0	0.3P3 (0.613)	0.19P
+8	6.+P	0.90	0.2P0	(0.3P3) 0.243	0.02P
+9	6.P6	0.+0	0.180	(0.3P3) 0.1+2	0.018
P0	6.83	0.60	0.160	(0.3P3) 0.136	0.016
P1	6.92	0.30	0.090	(0.3P3) 0.081	0.009
P2	+1.00	0.20	0.0+0	(0.3P3) 0.064	0.00+

Ex 100yr6hr

Page 2 of 4

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Ex 100yr6hr

6R36	0.6+36	P.64				Q	V
6R40	0.6843	3.02			Q		V
6R46	0.693+	1.3+		Q			V
6R60	0.698P	0.P3		Q			V
6R66	0.+014	0.40		Q			V
+R 0	0.+022	0.12		Q			V
+R 6	0.+026	0.06		Q			V
+R10	0.+02P	0.02		Q			V
+R16	0.+02P	0.01		Q			V
+R20	0.+02P	0.00		Q			V
+R26	0.+02P	0.00		Q			V

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Drainage Area 3      8.4q(Ac.) 3      0.01q Sj. &i.
Drainage Area =or Depth-Area Area Adwustbent 3      8.4q(Ac.) 3      0.01q Sj. &i.
Length along longest 4atercourse 3      911.00(Ft.)
Length along longest 4atercourse beasured to centroid 3      +6f.00(Ft.)
Length along longest 4atercourse 3      0.1Pq &i.
Length along longest 4atercourse beasured to centroid 3      0.08f &i.
Di=erence in elevation 3      1f.00(Ft.)
Slope along 4atercourse 3      92.Pqqq Ft./&i.
AVERAGE &anning's 'N' 3 0.0q0
Lag tibe 3      0.0f2 Hr.
Lag tibe 3      q.f9 &i.
26% o= lag tibe 3      0.92 &i.
+0% o= lag tibe 3      1.+8 &i.
Unit tibe 3      6.00 &i.
Duration o= storb 3 2+ Hour(s)
User Entered Base Flo4 3      0.00(CFS)

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Area(Ac.) [1]	vain=all(In) [2]	7eighting[1*2]
8.qq	1.80	1+.99

Area(Ac.)[1]	vain=all(In)[2]	7eighting[1*2]
8.qq	+60	qP.+8

STOV& EVENT (YEA) 3 100.00
Area AMerged 2-Year vain=all 3 1.800(In)
Area AMerged 100-Year vain=all 3 +.600(In)

```

moist rain (area aMerged) 3      +.600(In)
Area1 adwustbent =actor 3 100.00 %
Adwusted aMerged point rain 3      +.600(In)

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Su5-Area Data:
Area(Ac.)      vuno== Index      Ibperrmious %
      8.qq0      f9.00      0.000
Total Area Entered 3      8.qq(Ac.)

```

VI	vI	In=il. vate	Iberpmious	Adv. In=il. vate	Area%	F
A&C-2	A&C-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
f9.0	f9.0	0.0Pq	0.000	0.0Pq	1.000	0.0Pq
					Sub (F) 3	0.0Pq
Area aMERaged bean soil loss (F)		(In/Hr) 3	0.0Pq			
&inibub soil loss rate ((In/Hr) 3		0.18f				
(=or 2+ hour storb duration)						
Soil lo4 loss rate (decibal) 3		0.900				

Unit Hydrograph
VALLEY S-CurMe

Unit Hydrograph Data

Unit time period (hrs)	Time % on lag	Distribution Graph %	Unit Hydrograph (CFS)

1	0.08q	1q6.q++	29.+f0	2.+Pq
2	0.1fP	2P0.f88	+P.996	+0.029
q	0.260	+0f.0q2	12.120	1.01P
+	0.qqq	6+1.qPf	6.qP1	0.+61
6	0.+1P	fPf.P20	2.918	0.2+6
f	0.600	812.0f+	2.1qf	0.1P9
		Sub 3	100.000	Sub3
				8.q96

The following loss rate calculations reflect use of the binomial calculated loss rate subtracted from the Storv vain to produce the binomial Expected Value

Unit	Time (Hr.)	Material percent	Storv vain (In/Hr)	Loss rate(In./Hr) &ax Lo4	Expected (In/Hr)
1	0.08	0.0P	0.0qf	(0.fff1)	0.0q2
2	0.1P	0.0P	0.0qf	(0.f68)	0.0q2
q	0.26	0.0P	0.0qf	(0.f6f)	0.0q2
+	0.qq	0.10	0.06+	(0.f6q)	0.0+9
6	0.+2	0.10	0.06+	(0.f61)	0.0+9
f	0.60	0.10	0.06+	(0.f+8)	0.0+9
P	0.68	0.10	0.06+	(0.f+f)	0.0+9
8	0.fP	0.10	0.06+	(0.f+q)	0.0+9
9	0.P6	0.10	0.06+	(0.f+1)	0.0+9
10	0.8q	0.1q	0.0P2	(0.fq8)	0.0f6
11	0.92	0.1q	0.0P2	(0.fqf)	0.0f6
12	1.00	0.1q	0.0P2	(0.fqq)	0.0f6
1q	1.08	0.10	0.06+	(0.fq1)	0.0+9
1+	1.1P	0.10	0.06+	(0.f28)	0.0+9
16	1.26	0.10	0.06+	(0.f2f)	0.0+9
1f	1.qq	0.10	0.06+	(0.f2q)	0.0+9
1P	1.+2	0.10	0.06+	(0.f21)	0.0+9
18	1.60	0.10	0.06+	(0.f18)	0.0+9
19	1.68	0.10	0.06+	(0.f1f)	0.0+9
20	1.fP	0.10	0.06+	(0.f1q)	0.0+9
21	1.P6	0.10	0.06+	(0.f11)	0.0+9
22	1.8q	0.1q	0.0P2	(0.f08)	0.0f6
2q	1.92	0.1q	0.0P2	(0.f0f)	0.0f6
2+	2.00	0.1q	0.0P2	(0.f0q)	0.0f6
26	2.08	0.1q	0.0P2	(0.f01)	0.0f6
2f	2.1P	0.1q	0.0P2	(0.698)	0.0f6
2P	2.26	0.1q	0.0P2	(0.69f)	0.0f6
28	2.qq	0.1q	0.0P2	(0.69+)	0.0f6
29	2.+2	0.1q	0.0P2	(0.691)	0.0f6
q0	2.60	0.1q	0.0P2	(0.689)	0.0f6
q1	2.68	0.1P	0.090	(0.68f)	0.081
q2	2.fP	0.1P	0.090	(0.68+)	0.081
qq	2.P6	0.1P	0.090	(0.682)	0.081
q+	2.8q	0.1P	0.090	(0.6P9)	0.081
q6	2.92	0.1P	0.090	(0.6PP)	0.081
qf	q.00	0.1P	0.090	(0.6P+)	0.081
qP	q.08	0.1P	0.090	(0.6P2)	0.081
q8	q.1P	0.1P	0.090	(0.6P0)	0.081
q9	q.26	0.1P	0.090	(0.6fP)	0.081
+0	q.qq	0.1P	0.090	(0.6f6)	0.081
+1	q.+2	0.1P	0.090	(0.6fq)	0.081
+2	q.60	0.1P	0.090	(0.6f0)	0.081
+q	q.68	0.1P	0.090	(0.668)	0.081
++	q.fP	0.1P	0.090	(0.66f)	0.081
+6	q.P6	0.1P	0.090	(0.66q)	0.081
+f	q.8q	0.20	0.108	(0.661)	0.09P
+P	q.92	0.20	0.108	(0.6+9)	0.09P
+8	+0.00	0.20	0.108	(0.6+f)	0.09P
+9	+0.08	0.20	0.108	(0.6++)	0.09P
60	+0.1P	0.20	0.108	(0.6+2)	0.09P
61	+0.26	0.20	0.108	(0.6q9)	0.09P
62	+0.qq	0.2q	0.12f	(0.6qP)	0.11q
6q	+0.+2	0.2q	0.12f	(0.6q6)	0.11q
6+	+0.60	0.2q	0.12f	(0.6q2)	0.11q
66	+0.68	0.2q	0.12f	(0.6q0)	0.11q
6f	+0.fP	0.2q	0.12f	(0.628)	0.11q
6P	+0.P6	0.2q	0.12f	(0.62f)	0.11q
68	+0.8q	0.2P	0.1++	(0.62q)	0.1q0
69	+0.92	0.2P	0.1++	(0.621)	0.1q0
f0	6.00	0.2P	0.1++	(0.619)	0.1q0
f1	6.08	0.20	0.108	(0.61f)	0.09P
f2	6.1P	0.20	0.108	(0.61+)	0.09P
fq	6.26	0.20	0.108	(0.612)	0.09P
f+	6.qq	0.2q	0.12f	(0.610)	0.11q
f6	6.+2	0.2q	0.12f	(0.608)	0.11q
ff	6.60	0.2q	0.12f	(0.606)	0.11q
fP	6.68	0.2P	0.1++	(0.60q)	0.1q0
f8	6.fP	0.2P	0.1++	(0.601)	0.1q0
f9	6.P6	0.2P	0.1++	(0.+99)	0.1q0
P0	6.8q	0.2P	0.1++	(0.+9f)	0.1q0
P1	6.92	0.2P	0.1++	(0.+9+)	0.1q0
P2	f.00	0.2P	0.1++	(0.+92)	0.1q0

Ex 100yr24hr

Page 2 of 9

Pq	f.08	0.q0	0.1f2	(0.+90)	0.1+f	0.01f
P+	f.1P	0.q0	0.1f2	(0.+88)	0.1+f	0.01f
P6	f.26	0.q0	0.1f2	(0.+8f)	0.1+f	0.01f
Pf	f.qq	0.q0	0.1f2	(0.+8q)	0.1+f	0.01f
PP	f.+2	0.q0	0.1f2	(0.+81)	0.1+f	0.01f
P8	f.60	0.q0	0.1f2	(0.+P9)	0.1+f	0.01f
P9	f.68	0.qq	0.180	(0.+PP)	0.1f2	0.018
80	f.fP	0.qq	0.180	(0.+P6)	0.1f2	0.018
81	f.p6	0.qq	0.180	(0.+Pq)	0.1f2	0.018
82	f.8q	0.qq	0.180	(0.+P0)	0.1f2	0.018
8q	f.92	0.qq	0.180	(0.+f8)	0.1f2	0.018
8+	P.00	0.qq	0.180	(0.+ff)	0.1f2	0.018
86	P.08	0.qq	0.180	(0.+f+)	0.1f2	0.018
8f	P.1P	0.qq	0.180	(0.+f2)	0.1f2	0.018
8P	P.26	0.qq	0.180	(0.+f0)	0.1f2	0.018
88	P.qq	0.qP	0.198	(0.+68)	0.1P8	0.020
89	P.+2	0.qP	0.198	(0.+6f)	0.1P8	0.020
90	P.60	0.qP	0.198	(0.+6+)	0.1P8	0.020
91	P.68	0.+0	0.21f	(0.+62)	0.19+	0.022
92	P.fP	0.+0	0.21f	(0.++9)	0.19+	0.022
9q	P.P6	0.+0	0.21f	(0.++P)	0.19+	0.022
9+	P.8q	0.+q	0.2q+	(0.++6)	0.211	0.02q
96	P.92	0.+q	0.2q+	(0.++q)	0.211	0.02q
9f	8.00	0.+q	0.2q+	(0.++1)	0.211	0.02q
9P	8.08	0.60	0.2P0	(0.+q9)	0.2+q	0.02P
98	8.1P	0.60	0.2P0	(0.+qP)	0.2+q	0.02P
99	8.26	0.60	0.2P0	(0.+q6)	0.2+q	0.02P
100	8.qq	0.60	0.2P0	(0.+qq)	0.2+q	0.02P
101	8.+2	0.60	0.2P0	(0.+q1)	0.2+q	0.02P
102	8.60	0.60	0.2P0	(0.+29)	0.2+q	0.02P
10q	8.68	0.6q	0.288	(0.+2P)	0.269	0.029
10+	8.fP	0.6q	0.288	(0.+26)	0.269	0.029
106	8.p6	0.6q	0.288	(0.+2q)	0.269	0.029
10f	8.8q	0.6P	0.q0f	(0.+21)	0.2P6	0.0q1
10P	8.92	0.6P	0.q0f	(0.+19)	0.2P6	0.0q1
108	9.00	0.6P	0.q0f	(0.+1P)	0.2P6	0.0q1
109	9.08	0.fq	0.q+2	(0.+16)	0.q08	0.0q+
110	9.1P	0.fq	0.q+2	(0.+1q)	0.q08	0.0q+
111	9.26	0.fq	0.q+2	(0.+11)	0.q08	0.0q+
112	9.qq	0.fP	0.qf0	(0.+09)	0.q2+	0.0qf
11q	9.+2	0.fP	0.qf0	(0.+0P)	0.q2+	0.0qf
11+	9.60	0.fP	0.qf0	(0.+06)	0.q2+	0.0qf
116	9.68	0.P0	0.qP8	(0.+0q)	0.q+0	0.0q8
11f	9.fP	0.P0	0.qP8	(0.+01)	0.q+0	0.0q8
11P	9.p6	0.P0	0.qP8	(0.q99)	0.q+0	0.0q8
118	9.8q	0.Pq	0.q9f	(0.q98)	0.q6f	0.0+0
119	9.92	0.Pq	0.q9f	(0.q9f)	0.q6f	0.0+0
120	10.00	0.Pq	0.q9f	(0.q9+)	0.q6f	0.0+0
121	10.08	0.60	0.2P0	(0.q92)	0.2+q	0.02P
122	10.1P	0.60	0.2P0	(0.q90)	0.2+q	0.02P
12q	10.26	0.60	0.2P0	(0.q88)	0.2+q	0.02P
12+	10.qq	0.60	0.2P0	(0.q8f)	0.2+q	0.02P
126	10.+2	0.60	0.2P0	(0.q8+)	0.2+q	0.02P
12f	10.60	0.60	0.2P0	(0.q82)	0.2+q	0.02P
12P	10.68	0.fP	0.qf0	(0.q80)	0.q2+	0.0qf
128	10.fP	0.fP	0.qf0	(0.qP9)	0.q2+	0.0qf
129	10.P6	0.fP	0.qf0	(0.qPP)	0.q2+	0.0qf
1q0	10.8q	0.fP	0.qf0	(0.qP6)	0.q2+	0.0qf
1q1	10.92	0.fP	0.qf0	(0.qPq)	0.q2+	0.0qf
1q2	11.00	0.fP	0.qf0	(0.qP1)	0.q2+	0.0qf
1qq	11.08	0.fq	0.q+2	(0.qf9)	0.q08	0.0q+
1q+	11.1P	0.fq	0.q+2	(0.qf8)	0.q08	0.0q+
1q6	11.26	0.fq	0.q+2	(0.qff)	0.q08	0.0q+
1qf	11.qq	0.fq	0.q+2	(0.qf+)	0.q08	0.0q+
1qP	11.+2	0.fq	0.q+2	(0.qf2)	0.q08	0.0q+
1q8	11.60	0.fq	0.q+2	(0.qf0)	0.q08	0.0q+
1q9	11.68	0.6P	0.q0f	(0.q69)	0.2P6	0.0q1
1+0	11.fP	0.6P	0.q0f	(0.q6P)	0.2P6	0.0q1
1+1	11.P6	0.6P	0.q0f	(0.q66)	0.2P6	0.0q1
1+2	11.8q	0.f0	0.q2+	(0.q6q)	0.292	0.0q2
1+q	11.92	0.f0	0.q2+	(0.q62)	0.292	0.0q2
1++	12.00	0.f0	0.q2+	(0.q60)	0.292	0.0q2
1+6	12.08	0.8q	0.+60	0.q+8	(0.+06)	0.102
1+f	12.1P	0.8q	0.+60	0.q+f	(0.+06)	0.10+
1+P	12.26	0.8q	0.+60	0.q+6	(0.+06)	0.106
1+8	12.qq	0.8P	0.+f8	0.q+q	(0.+21)	0.126
1+9	12.+2	0.8P	0.+f8	0.q+1	(0.+21)	0.12P
160	12.60	0.8P	0.+f8	0.qq9	(0.+21)	0.129
161	12.68	0.9q	0.60+	0.qq8	(0.+6+)	0.1ff
162	12.fP	0.9q	0.60+	0.qqf	(0.+6+)	0.1f8
16q	12.P6	0.9q	0.60+	0.qq+	(0.+6+)	0.1P0
16+	12.8q	0.9P	0.622	0.qqq	(0.+P0)	0.189
166	12.92	0.9P	0.622	0.qq1	(0.+P0)	0.191
16f	1q.00	0.9P	0.622	0.q29	(0.+P0)	0.19q
16P	1q.08	1.1q	0.f12	0.q28	(0.661)	0.28+
168	1q.1P	1.1q	0.f12	0.q2f	(0.661)	0.28f
169	1q.26	1.1q	0.f12	0.q2+	(0.661)	0.288

Ex 100yr24hr

Page 3 of 9

1f0	1q.qq	1.1q	0.f12	0.q2q	(0.661)	0.289
1f1	1q.+2	1.1q	0.f12	0.q21	(0.661)	0.291
1f2	1q.60	1.1q	0.f12	0.q19	(0.661)	0.29q
1fq	1q.68	0.pp	0.+1+	0.q18	(0.qPq)	0.09f
1f+	1q.fP	0.pp	0.+1+	0.q1f	(0.qPq)	0.098
1f6	1q.p6	0.pp	0.+1+	0.q1+	(0.qPq)	0.100
1ff	1q.8q	0.pp	0.+1+	0.q1q	(0.qPq)	0.101
1fP	1q.92	0.pp	0.+1+	0.q11	(0.qPq)	0.10q
1f8	1+.00	0.pp	0.+1+	0.q10	(0.qPq)	0.10+
1f9	1+.08	0.90	0.+8f	0.q08	(0.+qP)	0.1P8
1P0	1+.1P	0.90	0.+8f	0.q0P	(0.+qP)	0.1P9
1P1	1+.26	0.90	0.+8f	0.q06	(0.+qP)	0.181
1P2	1+.qq	0.8P	0.+f8	0.q0q	(0.+21)	0.1f6
1Pq	1+.+2	0.8P	0.+f8	0.q02	(0.+21)	0.1ff
1P+	1+.60	0.8P	0.+f8	0.q00	(0.+21)	0.1f8
1P6	1+.68	0.8P	0.+f8	0.299	(0.+21)	0.1f9
1Pf	1+.fP	0.8P	0.+f8	0.29P	(0.+21)	0.1P1
1PP	1+.P6	0.8P	0.+f8	0.29f	(0.+21)	0.1P2
1P8	1+.8q	0.8q	0.+60	0.29+	(0.+06)	0.16f
1P9	1+.92	0.8q	0.+60	0.29q	(0.+06)	0.16P
180	16.00	0.8q	0.+60	0.291	(0.+06)	0.169
181	16.08	0.80	0.+q2	0.290	(0.q89)	0.1+2
182	16.1P	0.80	0.+q2	0.288	(0.q89)	0.1++
18q	16.26	0.80	0.+q2	0.28P	(0.q89)	0.1+6
18+	16.qq	0.pp	0.+1+	0.286	(0.qPq)	0.129
186	16.+2	0.pp	0.+1+	0.28+	(0.qPq)	0.1q0
18f	16.60	0.pp	0.+1+	0.282	(0.qPq)	0.1q2
18P	16.68	0.fq	0.q+2	0.281	(0.q08)	0.0f1
188	16.fP	0.fq	0.q+2	0.2P9	(0.q08)	0.0fq
189	16.p6	0.fq	0.q+2	0.2P8	(0.q08)	0.0f+
190	16.8q	0.fq	0.q+2	0.2PP	(0.q08)	0.0f6
191	16.92	0.fq	0.q+2	0.2P6	(0.q08)	0.0fP
192	1f.00	0.fq	0.q+2	0.2P+	(0.q08)	0.0f8
19q	1f.08	0.1q	0.0P2	(0.2P2)	0.0f6	0.00P
19+	1f.1P	0.1q	0.0P2	(0.2P1)	0.0f6	0.00P
196	1f.26	0.1q	0.0P2	(0.2P0)	0.0f6	0.00P
19f	1f.qq	0.1q	0.0P2	(0.2f8)	0.0f6	0.00P
19P	1f.+2	0.1q	0.0P2	(0.2fP)	0.0f6	0.00P
198	1f.60	0.1q	0.0P2	(0.2f6)	0.0f6	0.00P
199	1f.68	0.10	0.06+	(0.2f+)	0.0+9	0.006
200	1f.fP	0.10	0.06+	(0.2fq)	0.0+9	0.006
201	1f.p6	0.10	0.06+	(0.2f1)	0.0+9	0.006
202	1f.8q	0.10	0.06+	(0.2f0)	0.0+9	0.006
20q	1f.92	0.10	0.06+	(0.269)	0.0+9	0.006
20+	1P.00	0.10	0.06+	(0.268)	0.0+9	0.006
206	1P.08	0.1P	0.090	(0.26f)	0.081	0.009
20f	1P.1P	0.1P	0.090	(0.266)	0.081	0.009
20P	1P.26	0.1P	0.090	(0.26+)	0.081	0.009
208	1P.qq	0.1P	0.090	(0.262)	0.081	0.009
209	1P.+2	0.1P	0.090	(0.261)	0.081	0.009
210	1P.60	0.1P	0.090	(0.260)	0.081	0.009
211	1P.68	0.1P	0.090	(0.2+9)	0.081	0.009
212	1P.fP	0.1P	0.090	(0.2+P)	0.081	0.009
21q	1P.p6	0.1P	0.090	(0.2+f)	0.081	0.009
21+	1P.8q	0.1q	0.0P2	(0.2+6)	0.0f6	0.00P
216	1P.92	0.1q	0.0P2	(0.2+)	0.0f6	0.00P
21f	18.00	0.1q	0.0P2	(0.2+2)	0.0f6	0.00P
21P	18.08	0.1q	0.0P2	(0.2+1)	0.0f6	0.00P
218	18.1P	0.1q	0.0P2	(0.2+0)	0.0f6	0.00P
219	18.26	0.1q	0.0P2	(0.2q9)	0.0f6	0.00P
220	18.qq	0.1q	0.0P2	(0.2q8)	0.0f6	0.00P
221	18.+2	0.1q	0.0P2	(0.2qP)	0.0f6	0.00P
222	18.60	0.1q	0.0P2	(0.2q6)	0.0f6	0.00P
22q	18.68	0.10	0.06+	(0.2q+)	0.0+9	0.006
22+	18.fP	0.10	0.06+	(0.2qq)	0.0+9	0.006
226	18.p6	0.10	0.06+	(0.2q2)	0.0+9	0.006
22f	18.8q	0.0P	0.0qf	(0.2q1)	0.0q2	0.00+
22P	18.92	0.0P	0.0qf	(0.2q0)	0.0q2	0.00+
228	19.00	0.0P	0.0qf	(0.229)	0.0q2	0.00+
229	19.08	0.10	0.06+	(0.228)	0.0+9	0.006
2q0	19.1P	0.10	0.06+	(0.22P)	0.0+9	0.006
2q1	19.26	0.10	0.06+	(0.22f)	0.0+9	0.006
2q2	19.qq	0.1q	0.0P2	(0.226)	0.0f6	0.00P
2qq	19.+2	0.1q	0.0P2	(0.22q)	0.0f6	0.00P
2q+	19.60	0.1q	0.0P2	(0.222)	0.0f6	0.00P
2q6	19.68	0.10	0.06+	(0.221)	0.0+9	0.006
2qf	19.fP	0.10	0.06+	(0.220)	0.0+9	0.006
2qP	19.p6	0.10	0.06+	(0.219)	0.0+9	0.006
2q8	19.8q	0.0P	0.0qf	(0.218)	0.0q2	0.00+
2q9	19.92	0.0P	0.0qf	(0.21P)	0.0q2	0.00+
2+0	20.00	0.0P	0.0qf	(0.21f)	0.0q2	0.00+
2+1	20.08	0.10	0.06+	(0.21f)	0.0+9	0.006
2+2	20.1P	0.10	0.06+	(0.216)	0.0+9	0.006
2+q	20.26	0.10	0.06+	(0.21+)	0.0+9	0.006
2++	20.qq	0.10	0.06+	(0.21q)	0.0+9	0.006
2+6	20.+2	0.10	0.06+	(0.212)	0.0+9	0.006
2+f	20.60	0.10	0.06+	(0.211)	0.0+9	0.006

Ex 100yr24hr

Page 4 of 9

Tibe(hrb)	Volube	Ac.Ft	Q(CFS)	0	2.6	6.0	P.6	10.0
OR 6	0.0001		0.01 Q					
OR10	0.0002		0.02 Q					
OR16	0.000+		0.0q Q					
OR20	0.000f		0.0q Q					
OR26	0.0009		0.0+ Q					
ORq0	0.0012		0.0+ Q					
ORq6	0.0016		0.0+ Q					
OR+0	0.0018		0.06 Q					
OR+6	0.0022		0.06 Q					
OR60	0.0026		0.06 Q					
OR66	0.0029		0.0f Q					
1R 0	0.00qq		0.0f Q					
1R 6	0.00qP		0.0f Q					
1R10	0.00+0		0.06 Q					
1R16	0.00+q		0.06 Q					
1R20	0.00+f		0.06 Q					
1R26	0.0060		0.06 Q					
1Rq0	0.006q		0.06 Q					
1Rq6	0.006f		0.06 Q					
1R+0	0.0069		0.06 Q					
1R+6	0.00f2		0.06 Q					
1R60	0.00ff		0.06 Q					
1R66	0.00P0		0.0f Q					
2R 0	0.00P+		0.0f Q					

2R_6	0.00P8	0.0F	Q
2R10	0.0082	0.0F	Q
2R16	0.008F	0.0F	Q
2R20	0.0090	0.0F	Q
2R26	0.009+	0.0F	Q
2Rq0	0.0098	0.0F	Q
2Rq6	0.010q	0.0F	Q
2R+0	0.0108	0.0P	Q
2R+6	0.011q	0.0P	Q
2R60	0.0118	0.0P	Q
2R66	0.012q	0.08	Q
qR_0	0.0129	0.08	Q
qR_6	0.01q+	0.08	Q
qR10	0.01q9	0.08	Q
qR16	0.01++	0.08	Q
qR20	0.01+9	0.08	Q
qR26	0.0166	0.08	QV
qRq0	0.01f0	0.08	QV
qRq6	0.01f6	0.08	QV
qR+0	0.01P0	0.08	QV
qR+6	0.01P6	0.08	QV
qR60	0.0181	0.08	QV
qR66	0.018P	0.09	QV
+R_0	0.019q	0.09	QV
+R_6	0.0199	0.09	QV
+R10	0.0206	0.09	QV
+R16	0.0212	0.09	QV
+R20	0.0218	0.10	QV
+R26	0.0226	0.10	QV
+Rq0	0.02qq	0.10	QV
+Rq6	0.02+0	0.11	QV
+R+0	0.02+P	0.11	QV
+R+6	0.026+	0.11	QV
+R60	0.02f2	0.11	QV
+R66	0.02P0	0.12	QV
6R_0	0.02P8	0.12	QV
6R_6	0.028f	0.11	QV
6R10	0.029q	0.10	QV
6R16	0.0299	0.09	QV
6R20	0.0q0f	0.10	Q V
6R26	0.0q1q	0.10	Q V
6Rq0	0.0q20	0.10	Q V
6Rq6	0.0q28	0.11	Q V
6R+0	0.0qqf	0.12	Q V
6R+6	0.0q++	0.12	Q V
6R60	0.0q62	0.12	Q V
6R66	0.0qf0	0.12	Q V
fR_0	0.0qf9	0.12	Q V
fR_6	0.0qPP	0.1q	Q V
fR10	0.0q8P	0.1q	Q V
fR16	0.0q9f	0.1q	Q V
fR20	0.0+06	0.1+	Q V
fR26	0.0+1+	0.1+	Q V
fRq0	0.0+2+	0.1+	Q V
fRq6	0.0+qq	0.1+	Q V
fR+0	0.0+++	0.16	Q V
fR+6	0.0+6+	0.16	Q V
fR60	0.0+f+	0.16	Q V
fR66	0.0+P6	0.16	Q V
PR_0	0.0+86	0.16	Q V
PR_6	0.0+9f	0.16	Q V
PR10	0.060f	0.16	Q V
PR16	0.061f	0.16	Q V
PR20	0.062P	0.1f	Q V
PR26	0.06q8	0.1f	Q V
PRq0	0.0660	0.1f	Q V
PRq6	0.06f1	0.1P	Q V
PR+0	0.06P+	0.18	Q V
PR+6	0.068f	0.18	Q V
PR60	0.0699	0.19	Q V
PR66	0.0f12	0.19	Q V
8R_0	0.0f26	0.19	Q V
8R_6	0.0f+0	0.20	Q V
8R10	0.0f66	0.22	Q V
8R16	0.0fP0	0.22	Q V
8R20	0.0f8f	0.2q	Q V
8R26	0.0P01	0.2q	Q V
8Rq0	0.0P1P	0.2q	Q V
8Rq6	0.0Pqq	0.2q	Q V
8R+0	0.0P+9	0.2+	Q V
8R+6	0.0Pff	0.2+	Q V
8R60	0.0P8q	0.26	Q V
8R66	0.0800	0.26	Q V
9R_0	0.0818	0.2f	Q V
9R_6	0.08qf	0.2P	Q V
9R10	0.0866	0.28	Q V
9R16	0.08P6	0.28	Q V

Ex 100yr24hr

Page 6 of 9

9R20	0.0896	0.29	Q	V			
9R26	0.0916	0.q0	Q	V			
9Rq0	0.09qf	0.q0	Q	V			
9Rq6	0.096P	0.q1	Q	V			
9R+0	0.09P9	0.q1	Q	V			
9R+6	0.1000	0.q2	Q	V			
9R60	0.102q	0.q2	Q	V			
9R66	0.10+6	0.qq	Q	V			
10R 0	0.10f8	0.qq	Q	V			
10R 6	0.1089	0.q0	Q	V			
10R10	0.110f	0.26	Q	V			
10R16	0.1122	0.2+	Q	V			
10R20	0.11q8	0.2q	Q	V			
10R26	0.116+	0.2q	Q	V			
10Rq0	0.11P0	0.2q	Q	V			
10Rq6	0.118P	0.26	Q	V			
10R+0	0.120P	0.29	Q	V			
10R+6	0.122P	0.29	Q	V			
10R60	0.12+P	0.q0	Q	V			
10R66	0.12f8	0.q0	Q	V			
11R 0	0.1289	0.q0	Q	V			
11R 6	0.1q09	0.q0	Q	V			
11R10	0.1q29	0.29	Q	V			
11R16	0.1q+9	0.29	Q	V			
11R20	0.1qf9	0.29	Q	V			
11R26	0.1q89	0.29	Q	V			
11Rq0	0.1+09	0.29	Q	V			
11Rq6	0.1+28	0.28	Q	V			
11R+0	0.1++f	0.2f	Q	V			
11R+6	0.1+f+	0.2f	Q	V			
11R60	0.1+82	0.2f	Q	V			
11R66	0.1601	0.2P	Q	V			
12R 0	0.1619	0.2P	Q	V			
12R 6	0.1660	0.++	Q	V			
12R10	0.1f00	0.Pq	Q	V			
12R16	0.1f6f	0.81	Q	V			
12R20	0.1P18	0.90	Q	V			
12R26	0.1P8P	1.00	Q	V			
12Rq0	0.1869	1.06	Q	V			
12Rq6	0.19q9	1.1f	Q	V			
12R+0	0.20q0	1.q2	Q	V			
12R+6	0.2126	1.q8	Q	V			
12R60	0.2226	1.+6	Q	V			
12R66	0.2qq2	1.66	Q	V			
1qR 0	0.2++1	1.69	Q	V			
1qR 6	0.26f8	1.8q	Q	V			
1qR10	0.2P20	2.21	Q	V			
1qR16	0.2880	2.q2	Q	V			
1qR20	0.q0++	2.q8	Q	V			
1qR26	0.q210	2.+1	Q	V			
1qRq0	0.qqP8	2.++	Q	V			
1qRq6	0.q61+	1.9P	Q	V			
1qR+0	0.q696	1.18	Q	V			
1qR+6	0.qff+	0.99	Q	V			
1qR60	0.qP2P	0.92	Q	V			
1qR66	0.qP88	0.88	Q	V			
1+R 0	0.q8+P	0.8f	Q	V			
1+R 6	0.q920	1.06	Q	V			
1+R10	0.+01q	1.qf	Q	V			
1+R16	0.+112	1.++	Q	V			
1+R20	0.+212	1.++	Q	V			
1+R26	0.+q09	1.+0	Q	V			
1+Rq0	0.++0f	1.+1	Q	V			
1+Rq6	0.+60q	1.+1	Q	V			
1+R+0	0.+f01	1.+2	Q	V			
1+R+6	0.+P00	1.+q	Q	V			
1+R60	0.+P9f	1.+0	Q	V			
1+R66	0.+889	1.q+	Q	V			
16R 0	0.+981	1.q+	Q	V			
16R 6	0.60P0	1.q0	Q	V			
16R10	0.6166	1.2q	Q	V			
16R16	0.62q9	1.22	Q	V			
16R20	0.6q20	1.18	Q	V			
16R26	0.6q9P	1.12	Q	V			
16Rq0	0.6+P+	1.11	Q	V			
16Rq6	0.66q8	0.9q	Q	V			
16R+0	0.668q	0.f6	Q	V			
16R+6	0.6f2q	0.69	Q	V			
16R60	0.6ff2	0.6P	Q	V			
16R66	0.6P01	0.6f	Q	V			
1fR 0	0.6Pq9	0.6f	Q	V			
1fR 6	0.6Pf8	0.+2	Q	V			
1fR10	0.6P80	0.1P	Q	V			
1fR16	0.6P88	0.11	Q	V			
1fR20	0.6P9+	0.09	Q	V			
1fR26	0.6P99	0.0P	Q	V			
1fRq0	0.680q	0.0f	Q	V			

Ex 100yr24hr

Page 7 of 9

1fRq6	0.680P	0.0f	Q				V
1fR+0	0.6810	0.06	Q				V
1fR+6	0.681q	0.06	Q				V
1fR60	0.681P	0.06	Q				V
1fR66	0.6820	0.06	Q				V
1PR 0	0.682q	0.06	Q				V
1PR 6	0.682P	0.06	Q				V
1PR10	0.68q1	0.0P	Q				V
1PR16	0.68qf	0.0P	Q				V
1PR20	0.68+1	0.0P	Q				V
1PR26	0.68+P	0.0P	Q				V
1PRq0	0.6862	0.08	Q				V
1PRq6	0.686P	0.08	Q				V
1PR+0	0.68f2	0.08	Q				V
1PR+6	0.68fP	0.08	Q				V
1PR60	0.68P2	0.0P	Q				V
1PR66	0.68PP	0.0f	Q				V
18R 0	0.6881	0.0f	Q				V
18R 6	0.6886	0.0f	Q				V
18R10	0.6889	0.0f	Q				V
18R16	0.689+	0.0f	Q				V
18R20	0.6898	0.0f	Q				V
18R26	0.6902	0.0f	Q				V
18Rq0	0.690f	0.0f	Q				V
18Rq6	0.6910	0.0f	Q				V
18R+0	0.691q	0.06	Q				V
18R+6	0.691f	0.06	Q				V
18R60	0.6919	0.0+	Q				V
18R66	0.6922	0.0q	Q				V
19R 0	0.692+	0.0q	Q				V
19R 6	0.692f	0.0+	Q				V
19R10	0.6929	0.0+	Q				V
19R16	0.69q2	0.0+	Q				V
19R20	0.69qf	0.06	Q				V
19R26	0.69+0	0.0f	Q				V
19Rq0	0.69++	0.0f	Q				V
19Rq6	0.69+P	0.0f	Q				V
19R+0	0.6961	0.06	Q				V
19R+6	0.696+	0.06	Q				V
19R60	0.696P	0.0+	Q				V
19R66	0.6969	0.0q	Q				V
20R 0	0.69f1	0.0q	Q				V
20R 6	0.69f+	0.0+	Q				V
20R10	0.69fP	0.0+	Q				V
20R16	0.69P0	0.0+	Q				V
20R20	0.69Pq	0.0+	Q				V
20R26	0.69Pf	0.06	Q				V
20Rq0	0.69P9	0.06	Q				V
20Rq6	0.6982	0.06	Q				V
20R+0	0.6986	0.06	Q				V
20R+6	0.6988	0.06	Q				V
20R60	0.6991	0.0+	Q				V
20R66	0.699+	0.0q	Q				V
21R 0	0.699f	0.0q	Q				V
21R 6	0.6998	0.0+	Q				V
21R10	0.f001	0.0+	Q				V
21R16	0.f00+	0.0+	Q				V
21R20	0.f00P	0.0+	Q				V
21R26	0.f009	0.0q	Q				V
21Rq0	0.f011	0.0q	Q				V
21Rq6	0.f01+	0.0+	Q				V
21R+0	0.f01P	0.0+	Q				V
21R+6	0.f020	0.0+	Q				V
21R60	0.f022	0.0+	Q				V
21R66	0.f026	0.0q	Q				V
22R 0	0.f02P	0.0q	Q				V
22R 6	0.f029	0.0+	Q				V
22R10	0.f0q2	0.0+	Q				V
22R16	0.f0q6	0.0+	Q				V
22R20	0.f0q8	0.0+	Q				V
22R26	0.f0+0	0.0q	Q				V
22Rq0	0.f0+q	0.0q	Q				V
22Rq6	0.f0+6	0.0q	Q				V
22R+0	0.f0+P	0.0q	Q				V
22R+6	0.f0+9	0.0q	Q				V
22R60	0.f061	0.0q	Q				V
22R66	0.f06q	0.0q	Q				V
2qR 0	0.f066	0.0q	Q				V
2qR 6	0.f06P	0.0q	Q				V
2qR10	0.f069	0.0q	Q				V
2qR16	0.f0f1	0.0q	Q				V
2qR20	0.f0fq	0.0q	Q				V
2qR26	0.f0ff	0.0q	Q				V
2qRq0	0.f0f8	0.0q	Q				V
2qRq6	0.f0P0	0.0q	Q				V
2qR+0	0.f0P2	0.0q	Q				V
2qR+6	0.f0P+	0.0q	Q				V

2qR60	0. f0Pf	0. 0q	Q				V
2qR66	0. f0P8	0. 0q	Q				V
2+R 0	0. f080	0. 0q	Q				V
2+R 6	0. f082	0. 02	Q				V
2+R10	0. f082	0. 01	Q				V
2+R16	0. f082	0. 00	Q				V
2+R20	0. f082	0. 00	Q				V
2+R26	0. f082	0. 00	Q				V

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slope α = intensity-duration curve for a 1 hour storm 30.6000

Unit Hydrograph VALLEY S-CurMe				
Unit Hydrograph Data				
Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (C:S)	
1 0.08F	1FF.f11	28.998	2.884	
2 0.1fP	2fP.222	48.09f	4.p84	
F 0.260	400.8FF	12.241	1.218	
4 0.FFF	6F4.444	6.441	0.641	
6 0.41P	ff8.066	2.9f9	0.296	
f 0.600	801.fff	2.266	0.224	
		Sub 3 100.000	Sub3 9.94P	

The following loss rate calculations reflect use of the binibub calculated loss rate subtracted from the Storv vain to produce the ba+ibub E=ectime vain Malue

Unit Time (Hr.)	mattern mercent	Storb vain (In/Hr)	Loss rate(In./Hr) &a+ Low	E=ectime (In/Hr)
1 0.08	4.20	0.262	(0.6P4)	0.22P 0.026
2 0.1P	4.F0	0.268	(0.6P4)	0.2F2 0.02f
F 0.26	6.00	0.F00	(0.6P4)	0.2P0 0.0F0
4 0.FF	6.00	0.F00	(0.6P4)	0.2P0 0.0F0
6 0.42	6.80	0.F48	(0.6P4)	0.F1F 0.0F6
f 0.60	f.60	0.F90	(0.6P4)	0.F61 0.0F9
P 0.68	P.40	0.444	(0.6P4)	0.400 0.044
8 0.fP	8.f0	0.61f	(0.6P4)	0.4f4 0.062
9 0.P6	12.F0	0.PF8	0.6P4 (0.ffa)	0.1f4 0.1F4
10 0.8F	29.10	1.P4f	0.6P4 (1.6P1)	1.1P2 1.1P2
11 0.92	f.80	0.408	(0.6P4)	0.FFP 0.041
12 1.00	6.00	0.F00	(0.6P4)	0.2P0 0.0F0

(Loss vate Not Used)

Sub 3 100.0 Sub 3 1.P

:lood Molube 3 E=ectime rain=all 0.14(In)

tibes area 9.9(Ac.)/[(In)/(t.)) 3 0.1(Ac.:t)

Total soil loss 3 0.Ff(In)

Total soil loss 3 0.29f(Ac.:t)

Total rain=all 3 0.60(In)

:lood Molube 3 60F8.1 Cu5ic :eet

Total soil loss 3 128P4.F Cu5ic :eet

meak =low rate of this hydrograph 3 6.9PP(C:S)

1 - H O U V S T O v &
v u n o = = H y d r o g r a p h

Hydrograph in 6 &minute interMals ((C:S))

Time(hrb)	Volume Ac.:t	Q(C:S)	0	2.6	6.0	P.6	10.0
OR 6	0.0006	0.0P	Q				
OR10	0.0018	0.20	Q				
OR16	0.00F6	0.24	QV				
OR20	0.0064	0.28	Q				
OR26	0.00P6	0.F0	QV				
ORF0	0.0099	0.F6	Q V				
ORF6	0.0126	0.F9	Q V				
OR40	0.016f	0.44	Q V				
OR46	0.0212	0.81	Q				
OR60	0.060f	4.2P		Q			
OR66	0.0918	6.98			Q	V	
1R 0	0.104F	1.82					V
1R 6	0.1104	0.89	Q				V
1R10	0.11F6	0.44	Q				V
1R16	0.1166	0.29	Q				V
1R20	0.116f	0.02	Q				V
1R26	0.116P	0.01	Q				V

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Study date 0F/01/22 :ilex e+12F2.out

[illegible]

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Drainage Area 3      9.8P(Ac.) 3      0.016 Sq. &i.
Drainage Area =or Depth-Area Area Adjustbent 3      9.8P(Ac.) 3      0.016 Sq. &i.
Length along longest watercourse 3      912.00(:t.)
Length along longest watercourse beasured to centroid 3      46f.00(:t.)
Length along longest watercourse 3      0.1PF &i.
Length along longest watercourse beasured to centroid 3      0.08f &i.
Di=ifference in elevation 3      16.00(:t.)
Slope along watercourse 3      8f.8421 :t./&i.
AMerage &anning's 'N' 3      0.0F0
Lag tibe 3      0.0f2 Hr.
Lag tibe 3      F.P4 &in.
26% o= lag tibe 3      0.94 &in.
40% o= lag tibe 3      1.60 &in.
Unit tibe 3      6.00 &in.
Duration o= storb 3      F Hour(s)
User Entered Base :low 3      0.00(C:S)

2 YEAV Area rain=all datax

```

Area(Ac.) [1]	vain=all(In) [2]	7eighting[1*2]
9.8P	0.80	P.90

100 YEAv Area rain=all datax

Area(Ac.)[1]	vain=all(In)[2]	7eighting[1*2]
9.8P	1.90	18.P6

STOV& EVENT (YEA) 3 2.00
Area AMerged 2-Year vain=all 3 0.800(In)
Area AMerged 100-Year vain=all 3 1.900(In)

```
moint rain (area aMeraged) 3    0.800(In)
Areal adjustbent =actor 3    100.00 %
Adjusted aMerage point rain 3    0.800(In)
```

Su5-Area Datax
Area(Ac.) vuno== Inde+ Ibperrmious %
9.8P0 f9.00 0.000
Total Area Entered 3 9.8P(Ac.)

VI	vI	In=il.	vate	IbperMious	Adj.	In=il.	vate	Area%	:
A&C-1	A&C-1	(In/Hr)	(Dec.%)		(In/Hr)	(Dec.)		(In/Hr)	
f9.0	49.8	0.6P4	0.000		0.6P4	1.000		0.6P4	
						Sub (:)	3	0.6P4	
Area a	merged	bean soil loss (:)	(In/Hr)	3	0.6P4				
&inibub	soil loss rate ((In/Hr))	3	0.28P						
(=or 24	hour storb	duration)							
Soil low	loss rate	(decibal)	3	0.900					

Unit Hydrograph
VALLEY S-CurMe

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (C:S)

1R20	0.01fF	0.20	Q	v			
1R26	0.01P8	0.21	Q	v			
1RF0	0.0194	0.24	Q	v			
1RF6	0.0211	0.24	Q	v			
1R40	0.022P	0.24	Q	v			
1R46	0.024f	0.2P	Q	v			
1R60	0.02ff	0.29	Q	v			
1R66	0.028f	0.29	Q	v			
2R 0	0.0F0f	0.28	Q	v			
2R 6	0.0F26	0.29	Q	v			
2R10	0.0F48	0.F2	Q	v			
2R16	0.0FP6	0.40	Q	v			
2R20	0.040F	0.41	Q	v			
2R26	0.04FP	0.48	Q	v			
2RF0	0.0494	0.8F	Q	v			
2RF6	0.068P	1.Ff	Q	v			
2R40	0.0F84	1.40	Q	v			
2R46	0.0PF1	0.f9	Q	v			
2R60	0.0P6P	0.F8	Q	v			
2R66	0.0PPP	0.28	Q	v			
FR 0	0.0P90	0.20	Q	v			
FR 6	0.0P96	0.08	Q	v			
FR10	0.0P9P	0.0F	Q	v			
FR16	0.0P98	0.01	Q	v			
FR20	0.0P98	0.01	Q	v			
FR26	0.0P98	0.00	Q	v			

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Mi&erside County Synthetic Unit Hydrology wethod
MC:C 7 PCD Wanual date - April 19m8

English (in-l6) Input Units Used
English Main=all Data (Inches) Input Values Used
English Units used in output =or5at

```

Drainage Area 3      9.8m(Ac.) 3      0.01f Sq. Wi.
Drainage Area =or Depth-Area Area Adjust5ent3      9.8m(Ac.) 3      0.01f Sq. Wi.
Length along longest watercourse 3      912.00(:t.)
Length along longest watercourse 3      4fR.00(:t.)
Length along longest watercourse 3      0.1mF Wi.
Length along longest watercourse 3      0.08R Wi.
Difference in elevation 3      1f.00(:t.)
Slope along watercourse 3      8R.8421 :t./wi.
Average Manning's 'N' 3 0.0F0
Lag time 3      0.0R2 Hr.
Lag time 3      f.m4 Win.
2f% o= lag time 3      0.94 Win.
40% o= lag time 3      1.f0 Win.
Unit time 3      f.00 Win.
Duration o= stor5 3 R Hour(s)
User Entered Base :low 3      0.00(c:s)

```

Area(Ac.)[1]	Main=al(In)[2]	Peighting[1*2]
9.8m	1.20	11.84

Area(Ac.)[1]	Main=a11(In)[2]	Peighting[1*2]
9.8m	2.f0	24.Rm

STOMW EVENT (YEAM) 3 2.00
Area A&eraged 2-Year Main=all 3 1.200(In)
Area A&eraged 100-Year Main=all 3 2.f00(In)

```

point rain (area averaged) 3      1.200(In)
Area adjust5ent =actor 3  100.00 %
Adjusted average point rain 3      1.200(In)

```

Su6-Area Datax
Area(Ac.) Muno== Inde+ I5per&iuous %
9.8m0 R9.00 0.000
Total Area Entered 3 9.8m(Ac.)

MI	MI	In=in.1. Mate	I5per5i0us	Adj. In=in.1. Mate	Area%	:
AWC2	AWC-1	(In/Hr)	(Dec.)	(In/Hr)	(Dec.)	(In/Hr)
R9.0	49.8	0.0m4	0.000	0.0m4	1.000	0.0m4
Area a6eraged		5ean soil loss	(In/Hr) 3	0.0m4	5u5 (:) 3	0.0m4
wini5u5 soil loss rate		((In/Hr) 3	0.28m			
(=or 24 hour stor5 duration)						
Soil low loss rate		(decisal) 3	0.900			

Unit Hydrograph
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (C:S)

1	0.08F	1FF.R11	28.998	2.884
2	0.1Rm	2Rm.222	48.09R	4.m84
F	0.2F0	400.8FF	12.241	1.218
4	0.FFF	fF4.444	f.441	0.f41
f	0.41m	RR8.0ff	2.9R9	0.29f
R	0.f00	801.RRR	2.2ff	0.224
		Su5 3 100.000	Su53	9.94m

The following loss rate calculations reflect use of the 5ini5u5 calculated loss rate subtracted from the Stor5 Main to produce the 5a+i5u5 E=ective Main &alue

Unit	TiSe (Hr.)	battern bercent	Stor5 Main (In/Hr)	Loss rate(In./Hr) wa+ Low	E=ective (In/Hr)
1	0.08	0.f0	0.0m2	(0.fm4)	0.0Rf
2	0.1m	0.R0	0.08R	(0.fm4)	0.0m8
F	0.2f	0.R0	0.08R	(0.fm4)	0.0m8
4	0.FF	0.R0	0.08R	(0.fm4)	0.0m8
f	0.42	0.R0	0.08R	(0.fm4)	0.0m8
R	0.f0	0.m0	0.101	(0.fm4)	0.091
m	0.f8	0.m0	0.101	(0.fm4)	0.091
8	0.Rm	0.m0	0.101	(0.fm4)	0.091
9	0.mf	0.m0	0.101	(0.fm4)	0.091
10	0.8F	0.m0	0.101	(0.fm4)	0.091
11	0.92	0.m0	0.101	(0.fm4)	0.091
12	1.00	0.80	0.11f	(0.fm4)	0.104
1F	1.08	0.80	0.11f	(0.fm4)	0.104
14	1.1m	0.80	0.11f	(0.fm4)	0.104
1f	1.2f	0.80	0.11f	(0.fm4)	0.104
1R	1.FF	0.80	0.11f	(0.fm4)	0.104
1m	1.42	0.80	0.11f	(0.fm4)	0.104
18	1.f0	0.80	0.11f	(0.fm4)	0.104
19	1.f8	0.80	0.11f	(0.fm4)	0.104
20	1.Rm	0.80	0.11f	(0.fm4)	0.104
21	1.mf	0.80	0.11f	(0.fm4)	0.104
22	1.8F	0.80	0.11f	(0.fm4)	0.104
2F	1.92	0.80	0.11f	(0.fm4)	0.104
24	2.00	0.90	0.1F0	(0.fm4)	0.11m
2f	2.08	0.80	0.11f	(0.fm4)	0.104
2R	2.1m	0.90	0.1F0	(0.fm4)	0.11m
2m	2.2f	0.90	0.1F0	(0.fm4)	0.11m
28	2.FF	0.90	0.1F0	(0.fm4)	0.11m
29	2.42	0.90	0.1F0	(0.fm4)	0.11m
F0	2.f0	0.90	0.1F0	(0.fm4)	0.11m
F1	2.f8	0.90	0.1F0	(0.fm4)	0.11m
F2	2.Rm	0.90	0.1F0	(0.fm4)	0.11m
FF	2.mf	1.00	0.144	(0.fm4)	0.1F0
F4	2.8F	1.00	0.144	(0.fm4)	0.1F0
FF	2.92	1.00	0.144	(0.fm4)	0.1F0
FR	F.00	1.00	0.144	(0.fm4)	0.1F0
Fm	F.08	1.00	0.144	(0.fm4)	0.1F0
F8	F.1m	1.10	0.1f8	(0.fm4)	0.14F
F9	F.2f	1.10	0.1f8	(0.fm4)	0.14F
40	F.FF	1.10	0.1f8	(0.fm4)	0.14F
41	F.42	1.20	0.1mF	(0.fm4)	0.1fR
42	F.f0	1.F0	0.18m	(0.fm4)	0.1R8
4F	F.f8	1.40	0.202	(0.fm4)	0.181
44	F.Rm	1.40	0.202	(0.fm4)	0.181
4f	F.mf	1.f0	0.21R	(0.fm4)	0.194
4R	F.8F	1.f0	0.21R	(0.fm4)	0.194
4m	F.92	1.R0	0.2F0	(0.fm4)	0.20m
48	4.00	1.R0	0.2F0	(0.fm4)	0.20m
49	4.08	1.m0	0.24f	(0.fm4)	0.220
f0	4.1m	1.80	0.2f9	(0.fm4)	0.2FF
f1	4.2f	1.90	0.2m4	(0.fm4)	0.24R
f2	4.FF	2.00	0.288	(0.fm4)	0.2f9
ff	4.42	2.10	0.F02	(0.fm4)	0.2m2
f4	4.f0	2.10	0.F02	(0.fm4)	0.2m2
ff	4.f8	2.20	0.F1m	(0.fm4)	0.28f
fR	4.Rm	2.F0	0.FF1	(0.fm4)	0.298
fm	4.mf	2.40	0.F4R	(0.fm4)	0.F11
f8	4.8F	2.40	0.F4R	(0.fm4)	0.F11
f9	4.92	2.f0	0.FR0	(0.fm4)	0.F24
R0	f.00	2.R0	0.Fm4	(0.fm4)	0.FFm
R1	f.08	F.10	0.44R	(0.fm4)	0.402
R2	f.1m	F.R0	0.f18	(0.fm4)	0.4Rm
RF	f.2f	F.90	0.fR2	(0.fm4)	0.f0f
R4	f.FF	4.20	0.R0f	(0.fm4)	0.f44
Rf	f.42	4.m0	0.Rmm	(0.fm4)	0.R09
RR	f.f0	f.R0	0.80R	(0.fm4)	0.m2R
Rm	f.f8	1.90	0.2m4	(0.fm4)	0.24R
R8	f.Rm	0.90	0.1F0	(0.fm4)	0.11m
R9	f.mf	0.R0	0.08R	(0.fm4)	0.0m8
m0	f.8F	0.f0	0.0m2	(0.fm4)	0.0Rf
m1	f.92	0.F0	0.04F	(0.fm4)	0.0F9
m2	R.00	0.20	0.029	(0.fm4)	0.02R

Ex1 2yr6hr

Page 2 of 4

fVFF	0.10F0	1.F8		Q				V
fV40	0.10Rm	0.f4		Q				V
fV4f	0.108m	0.29		Q				V
fVf0	0.1100	0.18		Q				V
fVff	0.1108	0.12		Q				V
Rv 0	0.1112	0.0f		Q				V
Rv f	0.1114	0.0F		Q				V
Rv10	0.111f	0.01		Q				V
Rv1f	0.111f	0.00		Q				V
Rv20	0.111f	0.00		Q				V
Rv2f	0.111f	0.00		Q				V

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Mi&erside County Synthetic Unit Hydrology wethod
MC:C 7 PCD Wanual date - April 19m8

English (in-16) Input Units Used
English Main3all Data (Inches) Input Values Used
English Units used in output 3or5at

```

Drainage Area q      9.8m(Ac.) q      0.01f Sj. wi.
Drainage Area 3or Depth-Area Area1 Adwust5ent q      9.8m(Ac.) q      0.01f Sj. wi.
Length along longest 4atercourse q      912.00(:t.)
Length along longest 4atercourse 5easured to centroid q      Rf=.00(:t.)
Length along longest 4atercourse q      0.1mF wi.
Length along longest 4atercourse 5easured to centroid q      0.08= wi.
Di3ference in elevation q      1f.00(:t.)
Slope along 4atercourse q      8=.8R21 :t./wi.
A8erage Wanning's 'N' q      0.0F0
Lag ti5e q      0.0=2 Hr.
Lag ti5e q      F.mR win.
2F% o3 lag ti5e q      0.9R win.
R0% o3 lag ti5e q      1.f0 win.
Unit ti5e q      f.00 win.
Duration o3 stor5 q      2R Hour(s)
User Entered Base :lo4 q      0.00(c:s)

```

Area(Ac.)[1]	Main3all(In)[2]	Peighting[1*2]
9.8m	1.80	1m.mm

Area(Ac.)[1]	Main3a11(In)[2]	Peighting[1*2]
9.8m	R.f0	RR.R1

STOMW EVENT (YEAM) q 2.00
Area A&eraged 2-Year Main3all q 1.800(In)
Area A&eraged 100-Year Main3all q R.f00(In)

boint rain (area a&eraged) q 1.800(In)
 Areal adwust5ent 3actor q 100.00 %
 Adwusted a&erage point rain q 1.800(In)

Su6-Area Datax
Area(Ac.) Muno33 Inde+ I5per&iuous %
9.8m0 =9.00 0.000
Total Area Entered q 9.8m(Ac.)

MI	MI	In3il. Mate	I5per&iou5	Adw. In3il. Mate	Area%	:
AWC2	AWC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
=9.0	R9.8	0.fmr	0.000	0.fmr	1.000	0.fmr
					Su5 (:)	q
						0.fmr

Area averaged 5 year soil loss (t) (In/Hr) q 0.6mR
win5u5 soil loss rate ((In/Hr)) q 0.28m
(3or 2R hour stor5 duration)
Soil lo4 loss rate (dec5al) q 0.900

Unit Hydrograph
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (C:S)

1	0.08F	1FF.=11	28.998	2.88R
2	0.1=m	2=m.222	R8.09=	R.m8R
F	0.2f0	R00.8FF	12.2R1	1.218
R	0.FFF	fFR.RRR	f.RR1	0.fR1
f	0.R1m	=8.0ff	2.9=9	0.29f
=	0.f00	801.===	2.2ff	0.22R
		Su5 q 100.000	Su5q	9.9Rm

The following loss rate calculations reflect use of the 5ini5u5 calculated loss rate subtracted from the Stor5 Main to produce the 5a+i5u5 E33ecti&e Main &alue

Unit	TiSe (Hr.)	battern percent	Stor5 Main (In/Hr)	Loss rate(In./Hr) Wa+ Lo4	E33ecti&e (In/Hr)
1	0.08	0.0m	0.01R	(1.01m)	0.01F 0.001
2	0.1m	0.0m	0.01R	(1.01R)	0.01F 0.001
F	0.2f	0.0m	0.01R	(1.010)	0.01F 0.001
R	0.FF	0.10	0.022	(1.00=)	0.019 0.002
f	0.R2	0.10	0.022	(1.002)	0.019 0.002
=	0.f0	0.10	0.022	(0.998)	0.019 0.002
m	0.f8	0.10	0.022	(0.99R)	0.019 0.002
8	0.=m	0.10	0.022	(0.990)	0.019 0.002
9	0.mf	0.10	0.022	(0.98=)	0.019 0.002
10	0.8F	0.1F	0.029	(0.982)	0.02= 0.00F
11	0.92	0.1F	0.029	(0.9m8)	0.02= 0.00F
12	1.00	0.1F	0.029	(0.9mf)	0.02= 0.00F
1F	1.08	0.10	0.022	(0.9m1)	0.019 0.002
1R	1.1m	0.10	0.022	(0.9=m)	0.019 0.002
1f	1.2f	0.10	0.022	(0.9=F)	0.019 0.002
1=	1.FF	0.10	0.022	(0.9f9)	0.019 0.002
1m	1.R2	0.10	0.022	(0.9ff)	0.019 0.002
18	1.f0	0.10	0.022	(0.9f2)	0.019 0.002
19	1.f8	0.10	0.022	(0.9R8)	0.019 0.002
20	1.=m	0.10	0.022	(0.9RR)	0.019 0.002
21	1.mf	0.10	0.022	(0.9R0)	0.019 0.002
22	1.8F	0.1F	0.029	(0.9F=)	0.02= 0.00F
2F	1.92	0.1F	0.029	(0.9FF)	0.02= 0.00F
2R	2.00	0.1F	0.029	(0.929)	0.02= 0.00F
2f	2.08	0.1F	0.029	(0.92f)	0.02= 0.00F
2=	2.1m	0.1F	0.029	(0.921)	0.02= 0.00F
2m	2.2f	0.1F	0.029	(0.918)	0.02= 0.00F
28	2.FF	0.1F	0.029	(0.91R)	0.02= 0.00F
29	2.R2	0.1F	0.029	(0.910)	0.02= 0.00F
F0	2.f0	0.1F	0.029	(0.90=)	0.02= 0.00F
F1	2.f8	0.1m	0.0F=	(0.90F)	0.0F2 0.00R
F2	2.=m	0.1m	0.0F=	(0.899)	0.0F2 0.00R
FF	2.mf	0.1m	0.0F=	(0.89f)	0.0F2 0.00R
FR	2.8F	0.1m	0.0F=	(0.892)	0.0F2 0.00R
Ff	2.92	0.1m	0.0F=	(0.888)	0.0F2 0.00R
F=	F.00	0.1m	0.0F=	(0.88R)	0.0F2 0.00R
Fm	F.08	0.1m	0.0F=	(0.881)	0.0F2 0.00R
F8	F.1m	0.1m	0.0F=	(0.8mm)	0.0F2 0.00R
F9	F.2f	0.1m	0.0F=	(0.8mF)	0.0F2 0.00R
R0	F.FF	0.1m	0.0F=	(0.8m0)	0.0F2 0.00R
R1	F.R2	0.1m	0.0F=	(0.8=)	0.0F2 0.00R
R2	F.f0	0.1m	0.0F=	(0.8=2)	0.0F2 0.00R
RF	F.f8	0.1m	0.0F=	(0.8f9)	0.0F2 0.00R
RR	F.=m	0.1m	0.0F=	(0.8ff)	0.0F2 0.00R
Rf	F.mf	0.1m	0.0F=	(0.8f2)	0.0F2 0.00R
R=	F.8F	0.20	0.0RF	(0.8R8)	0.0F9 0.00R
Rm	F.92	0.20	0.0RF	(0.8RR)	0.0F9 0.00R
R8	R.00	0.20	0.0RF	(0.8R1)	0.0F9 0.00R
R9	R.08	0.20	0.0RF	(0.8Fm)	0.0F9 0.00R
f0	R.1m	0.20	0.0RF	(0.8FR)	0.0F9 0.00R
f1	R.2f	0.20	0.0RF	(0.8F0)	0.0F9 0.00R
f2	R.FF	0.2F	0.0f0	(0.82m)	0.0Rf 0.00f
fF	R.R2	0.2F	0.0f0	(0.82F)	0.0Rf 0.00f
fR	R.f0	0.2F	0.0f0	(0.820)	0.0Rf 0.00f
ff	R.f8	0.2F	0.0f0	(0.81=)	0.0Rf 0.00f
f=	R.=m	0.2F	0.0f0	(0.81F)	0.0Rf 0.00f
fm	R.mf	0.2F	0.0f0	(0.809)	0.0Rf 0.00f
f8	R.8F	0.2m	0.0f8	(0.80=)	0.0f2 0.00=
f9	R.92	0.2m	0.0f8	(0.802)	0.0f2 0.00=
=0	f.00	0.2m	0.0f8	(0.m99)	0.0f2 0.00=
=1	f.08	0.20	0.0RF	(0.m9f)	0.0F9 0.00R
=2	f.1m	0.20	0.0RF	(0.m92)	0.0F9 0.00R
=F	f.2f	0.20	0.0RF	(0.m88)	0.0F9 0.00R
=R	f.FF	0.2F	0.0f0	(0.m8f)	0.0Rf 0.00f
=f	f.R2	0.2F	0.0f0	(0.m81)	0.0Rf 0.00f
==	f.f0	0.2F	0.0f0	(0.mm8)	0.0Rf 0.00f
=m	f.f8	0.2m	0.0f8	(0.mmf)	0.0f2 0.00=
=8	f.=m	0.2m	0.0f8	(0.mm1)	0.0f2 0.00=
=9	f.mf	0.2m	0.0f8	(0.m=8)	0.0f2 0.00=
m0	f.8F	0.2m	0.0f8	(0.m=R)	0.0f2 0.00=
m1	f.92	0.2m	0.0f8	(0.m=1)	0.0f2 0.00=
m2	=.00	0.2m	0.0f8	(0.mf8)	0.0f2 0.00=

Ex1 2yr24hr

Page 2 of 9

mF	= .08	0.F0	0.0=f	(0.mfR)	0.0f8	0.00=
mR	= .1m	0.F0	0.0=f	(0.mf1)	0.0f8	0.00=
mf	= .2f	0.F0	0.0=f	(0.mR8)	0.0f8	0.00=
m=	= .FF	0.F0	0.0=f	(0.mRR)	0.0f8	0.00=
mm	= .R2	0.F0	0.0=f	(0.mR1)	0.0f8	0.00=
m8	= .f0	0.F0	0.0=f	(0.mF8)	0.0f8	0.00=
m9	= .f8	0.FF	0.0m2	(0.mFR)	0.0=f	0.00m
80	= .=m	0.FF	0.0m2	(0.mF1)	0.0=f	0.00m
81	= .mf	0.FF	0.0m2	(0.m28)	0.0=f	0.00m
82	= .8F	0.FF	0.0m2	(0.m2R)	0.0=f	0.00m
8F	= .92	0.FF	0.0m2	(0.m21)	0.0=f	0.00m
8R	m.00	0.FF	0.0m2	(0.m18)	0.0=f	0.00m
8f	m.08	0.FF	0.0m2	(0.m1f)	0.0=f	0.00m
8=	m.1m	0.FF	0.0m2	(0.m11)	0.0=f	0.00m
8m	m.2f	0.FF	0.0m2	(0.m08)	0.0=f	0.00m
88	m.FF	0.Fm	0.0m9	(0.m0f)	0.0m1	0.008
89	m.R2	0.Fm	0.0m9	(0.m02)	0.0m1	0.008
90	m.f0	0.Fm	0.0m9	(0.=98)	0.0m1	0.008
91	m.f8	0.R0	0.08=	(0.=9f)	0.0m8	0.009
92	m.=m	0.R0	0.08=	(0.=92)	0.0m8	0.009
9F	m.mf	0.R0	0.08=	(0.=89)	0.0m8	0.009
9R	m.8F	0.RF	0.09R	(0.=8=)	0.08R	0.009
9f	m.92	0.RF	0.09R	(0.=82)	0.08R	0.009
9=	8.00	0.RF	0.09R	(0.=m9)	0.08R	0.009
9m	8.08	0.f0	0.108	(0.=m=)	0.09m	0.011
98	8.1m	0.f0	0.108	(0.=mF)	0.09m	0.011
99	8.2f	0.f0	0.108	(0.=m0)	0.09m	0.011
100	8.FF	0.f0	0.108	(0.=m)	0.09m	0.011
101	8.R2	0.f0	0.108	(0.=R)	0.09m	0.011
102	8.f0	0.f0	0.108	(0.=O)	0.09m	0.011
10F	8.f8	0.fF	0.11f	(0.=fm)	0.10R	0.012
10R	8.=m	0.fF	0.11f	(0.=fR)	0.10R	0.012
10f	8.mf	0.fF	0.11f	(0.=f1)	0.10R	0.012
10=	8.8F	0.fm	0.122	(0.=R8)	0.110	0.012
10m	8.92	0.fm	0.122	(0.=Rf)	0.110	0.012
108	9.00	0.fm	0.122	(0.=R2)	0.110	0.012
109	9.08	0.=F	0.1Fm	(0.=F9)	0.12F	0.01R
110	9.1m	0.=F	0.1Fm	(0.=F=)	0.12F	0.01R
111	9.2f	0.=F	0.1Fm	(0.=FF)	0.12F	0.01R
112	9.FF	0.=m	0.1RR	(0.=F0)	0.1F0	0.01R
11F	9.R2	0.=m	0.1RR	(0.=2m)	0.1F0	0.01R
11R	9.f0	0.=m	0.1RR	(0.=2R)	0.1F0	0.01R
11f	9.f8	0.m0	0.1f1	(0.=21)	0.1F=	0.01f
11=	9.=m	0.m0	0.1f1	(0.=18)	0.1F=	0.01f
11m	9.mf	0.m0	0.1f1	(0.=1f)	0.1F=	0.01f
118	9.8F	0.mF	0.1f8	(0.=12)	0.1RF	0.01=
119	9.92	0.mF	0.1f8	(0.=09)	0.1RF	0.01=
120	10.00	0.mF	0.1f8	(0.=0=)	0.1RF	0.01=
121	10.08	0.f0	0.108	(0.=0F)	0.09m	0.011
122	10.1m	0.f0	0.108	(0.=00)	0.09m	0.011
12F	10.2f	0.f0	0.108	(0.f9m)	0.09m	0.011
12R	10.FF	0.f0	0.108	(0.f9R)	0.09m	0.011
12f	10.R2	0.f0	0.108	(0.f92)	0.09m	0.011
12=	10.f0	0.f0	0.108	(0.f89)	0.09m	0.011
12m	10.f8	0.=m	0.1RR	(0.f8=)	0.1F0	0.01R
128	10.=m	0.=m	0.1RR	(0.f8F)	0.1F0	0.01R
129	10.mf	0.=m	0.1RR	(0.f80)	0.1F0	0.01R
1F0	10.8F	0.=m	0.1RR	(0.fmm)	0.1F0	0.01R
1F1	10.92	0.=m	0.1RR	(0.fmR)	0.1F0	0.01R
1F2	11.00	0.=m	0.1RR	(0.fm2)	0.1F0	0.01R
1FF	11.08	0.=F	0.1Fm	(0.f=9)	0.12F	0.01R
1FR	11.1m	0.=F	0.1Fm	(0.f==)	0.12F	0.01R
1Ff	11.2f	0.=F	0.1Fm	(0.f=F)	0.12F	0.01R
1F=	11.FF	0.=F	0.1Fm	(0.f=0)	0.12F	0.01R
1Fm	11.R2	0.=F	0.1Fm	(0.fF8)	0.12F	0.01R
1F8	11.f0	0.=F	0.1Fm	(0.fff)	0.12F	0.01R
1F9	11.f8	0.fm	0.122	(0.fF2)	0.110	0.012
1R0	11.=m	0.fm	0.122	(0.fR9)	0.110	0.012
1R1	11.mf	0.fm	0.122	(0.fRm)	0.110	0.012
1R2	11.8F	0.=0	0.1F0	(0.fRR)	0.11m	0.01F
1RF	11.92	0.=0	0.1F0	(0.fR1)	0.11m	0.01F
1RR	12.00	0.=0	0.1F0	(0.fF8)	0.11m	0.01F
1Rf	12.08	0.8F	0.180	(0.fF=)	0.1=2	0.018
1R=	12.1m	0.8F	0.180	(0.fFF)	0.1=2	0.018
1Rm	12.2f	0.8F	0.180	(0.fF0)	0.1=2	0.018
1R8	12.FF	0.8m	0.18m	(0.f28)	0.1=8	0.019
1R9	12.R2	0.8m	0.18m	(0.f2f)	0.1=8	0.019
1F0	12.f0	0.8m	0.18m	(0.f22)	0.1=8	0.019
1f1	12.f8	0.9F	0.202	(0.f20)	0.181	0.020
1f2	12.=m	0.9F	0.202	(0.f1m)	0.181	0.020
1fF	12.mf	0.9F	0.202	(0.f1f)	0.181	0.020
1fR	12.8F	0.9m	0.209	(0.f12)	0.188	0.021
1ff	12.92	0.9m	0.209	(0.f09)	0.188	0.021
1f=	1F.00	0.9m	0.209	(0.f0m)	0.188	0.021
1fm	1F.08	1.1F	0.2Rf	(0.f0R)	0.220	0.02R
1f8	1F.1m	1.1F	0.2Rf	(0.f02)	0.220	0.02R
1f9	1F.2f	1.1F	0.2Rf	(0.R99)	0.220	0.02R

Ex1 2yr24hr

Page 3 of 9

1=0	1F.FF	1.1F	0.2Rf	(0.R9m)	0.220	0.02R
1=1	1F.R2	1.1F	0.2Rf	(0.R9R)	0.220	0.02R
1=2	1F.f0	1.1F	0.2Rf	(0.R92)	0.220	0.02R
1=F	1F.f8	0.mm	0.1==	(0.R89)	0.1R9	0.01m
1=R	1F.=m	0.mm	0.1==	(0.R8m)	0.1R9	0.01m
1=f	1F.mf	0.mm	0.1==	(0.R8R)	0.1R9	0.01m
1==	1F.8F	0.mm	0.1==	(0.R82)	0.1R9	0.01m
1=m	1F.92	0.mm	0.1==	(0.Rm9)	0.1R9	0.01m
1=8	1R.00	0.mm	0.1==	(0.Rmm)	0.1R9	0.01m
1=9	1R.08	0.90	0.19R	(0.RmR)	0.1mf	0.019
1m0	1R.1m	0.90	0.19R	(0.Rm2)	0.1mf	0.019
1m1	1R.2f	0.90	0.19R	(0.R=9)	0.1mf	0.019
1m2	1R.FF	0.8m	0.18m	(0.R=m)	0.1=8	0.019
1mF	1R.R2	0.8m	0.18m	(0.R=f)	0.1=8	0.019
1mR	1R.f0	0.8m	0.18m	(0.R=2)	0.1=8	0.019
1mf	1R.f8	0.8m	0.18m	(0.R=0)	0.1=8	0.019
1m=	1R.=m	0.8m	0.18m	(0.Rf8)	0.1=8	0.019
1mm	1R.mf	0.8m	0.18m	(0.Rff)	0.1=8	0.019
1m8	1R.8F	0.8F	0.180	(0.Rff)	0.1=2	0.018
1m9	1R.92	0.8F	0.180	(0.Rf1)	0.1=2	0.018
180	1f.00	0.8F	0.180	(0.RR8)	0.1=2	0.018
181	1f.08	0.80	0.1mF	(0.RR=)	0.1f=	0.01m
182	1f.1m	0.80	0.1mF	(0.RRR)	0.1f=	0.01m
18F	1f.2f	0.80	0.1mF	(0.RR1)	0.1f=	0.01m
18R	1f.FF	0.mm	0.1==	(0.RF9)	0.1R9	0.01m
18f	1f.R2	0.mm	0.1==	(0.RFm)	0.1R9	0.01m
18=	1f.f0	0.mm	0.1==	(0.Rff)	0.1R9	0.01m
18m	1f.f8	0.=F	0.1Fm	(0.RF2)	0.12F	0.01R
188	1f.=m	0.=F	0.1Fm	(0.RF0)	0.12F	0.01R
189	1f.mf	0.=F	0.1Fm	(0.R28)	0.12F	0.01R
190	1f.8F	0.=F	0.1Fm	(0.R2=)	0.12F	0.01R
191	1f.92	0.=F	0.1Fm	(0.R2R)	0.12F	0.01R
192	1=.00	0.=F	0.1Fm	(0.R21)	0.12F	0.01R
19F	1=.08	0.1F	0.029	(0.R19)	0.02=	0.00F
19R	1=.1m	0.1F	0.029	(0.R1m)	0.02=	0.00F
19f	1=.2f	0.1F	0.029	(0.R1f)	0.02=	0.00F
19=	1=.FF	0.1F	0.029	(0.R1F)	0.02=	0.00F
19m	1=.R2	0.1F	0.029	(0.R11)	0.02=	0.00F
198	1=.f0	0.1F	0.029	(0.R09)	0.02=	0.00F
199	1=.f8	0.10	0.022	(0.R0m)	0.019	0.002
200	1=.m	0.10	0.022	(0.R0f)	0.019	0.002
201	1=.mf	0.10	0.022	(0.R0F)	0.019	0.002
202	1=.8F	0.10	0.022	(0.R01)	0.019	0.002
20F	1=.92	0.10	0.022	(0.F98)	0.019	0.002
20R	1m.00	0.10	0.022	(0.F9=)	0.019	0.002
20f	1m.08	0.1m	0.0F=	(0.F9R)	0.0F2	0.00R
20=	1m.1m	0.1m	0.0F=	(0.F92)	0.0F2	0.00R
20m	1m.2f	0.1m	0.0F=	(0.F90)	0.0F2	0.00R
208	1m.FF	0.1m	0.0F=	(0.F89)	0.0F2	0.00R
209	1m.R2	0.1m	0.0F=	(0.F8m)	0.0F2	0.00R
210	1m.f0	0.1m	0.0F=	(0.F8f)	0.0F2	0.00R
211	1m.f8	0.1m	0.0F=	(0.F8F)	0.0F2	0.00R
212	1m.=m	0.1m	0.0F=	(0.F81)	0.0F2	0.00R
21F	1m.mf	0.1m	0.0F=	(0.Fm9)	0.0F2	0.00R
21R	1m.8F	0.1F	0.029	(0.Fmm)	0.02=	0.00F
21f	1m.92	0.1F	0.029	(0.Fmf)	0.02=	0.00F
21=	18.00	0.1F	0.029	(0.FmF)	0.02=	0.00F
21m	18.08	0.1F	0.029	(0.Fm1)	0.02=	0.00F
218	18.1m	0.1F	0.029	(0.Fm0)	0.02=	0.00F
219	18.2f	0.1F	0.029	(0.F=8)	0.02=	0.00F
220	18.FF	0.1F	0.029	(0.F==)	0.02=	0.00F
221	18.R2	0.1F	0.029	(0.F=R)	0.02=	0.00F
222	18.f0	0.1F	0.029	(0.F=F)	0.02=	0.00F
22F	18.f8	0.10	0.022	(0.F=1)	0.019	0.002
22R	18.=m	0.10	0.022	(0.Ff9)	0.019	0.002
22f	18.mf	0.10	0.022	(0.Ffm)	0.019	0.002
22=	18.8F	0.0m	0.01R	(0.Ff=)	0.01F	0.001
22m	18.92	0.0m	0.01R	(0.FfR)	0.01F	0.001
228	19.00	0.0m	0.01R	(0.Ff2)	0.01F	0.001
229	19.08	0.10	0.022	(0.Ff1)	0.019	0.002
2F0	19.1m	0.10	0.022	(0.FR9)	0.019	0.002
2F1	19.2f	0.10	0.022	(0.FRm)	0.019	0.002
2F2	19.FF	0.1F	0.029	(0.FR=)	0.02=	0.00F
2FF	19.R2	0.1F	0.029	(0.FRR)	0.02=	0.00F
2FR	19.f0	0.1F	0.029	(0.FR2)	0.02=	0.00F
2Ff	19.f8	0.10	0.022	(0.FR1)	0.019	0.002
2F=	19.=m	0.10	0.022	(0.FF9)	0.019	0.002
2Fm	19.mf	0.10	0.022	(0.FF8)	0.019	0.002
2F8	19.8F	0.0m	0.01R	(0.FF=)	0.01F	0.001
2F9	19.92	0.0m	0.01R	(0.FFF)	0.01F	0.001
2R0	20.00	0.0m	0.01R	(0.FFF)	0.01F	0.001
2R1	20.08	0.10	0.022	(0.FF2)	0.019	0.002
2R2	20.1m	0.10	0.022	(0.FF0)	0.019	0.002
2RF	20.2f	0.10	0.022	(0.F29)	0.019	0.002
2RR	20.FF	0.10	0.022	(0.F28)	0.019	0.002
2Rf	20.R2	0.10	0.022	(0.F2=)	0.019	0.002
2R=	20.f0	0.10	0.022	(0.F2f)	0.019	0.002

Ex1 2yr24hr

Page 4 of 9

Ti5e(hv5)	volu5e Ac.:t	Q(C:S)	0	2.f	f.0	m.f	10.0
0v f	0.0000	0.00 Q					
0v10	0.0001	0.01 Q					
0v1f	0.0002	0.01 Q					
0v20	0.000F	0.02 Q					
0v2f	0.000R	0.02 Q					
0vF0	0.000=	0.02 Q					
0vFf	0.000m	0.02 Q					
0vR0	0.0009	0.02 Q					
0vRf	0.0010	0.02 Q					
0vf0	0.0012	0.02 Q					
0vff	0.001R	0.0F Q					
1v 0	0.001=	0.0F Q					
1v f	0.001m	0.0F Q					
1v10	0.0019	0.02 Q					
1v1f	0.0021	0.02 Q					
1v20	0.0022	0.02 Q					
1v2f	0.002R	0.02 Q					
1vF0	0.002f	0.02 Q					
1vFf	0.002=	0.02 Q					
1vR0	0.0028	0.02 Q					
1vRf	0.0029	0.02 Q					
1vf0	0.00F1	0.02 Q					
1vff	0.00FF	0.0F Q					
2v 0	0.00Ff	0.0F Q					

2v f	0.00Fm	0.0F	Q				
2v10	0.00F9	0.0F	QV				
2v1f	0.00R1	0.0F	QV				
2v20	0.00RF	0.0F	QV				
2v2f	0.00RF	0.0F	QV				
2vF0	0.00Rm	0.0F	QV				
2vFf	0.00R9	0.0F	QV				
2vR0	0.00f1	0.0F	QV				
2vRf	0.00fR	0.0R	QV				
2vf0	0.00f=	0.0R	QV				
2vff	0.00f8	0.0R	QV				
Fv 0	0.00=1	0.0R	QV				
Fv f	0.00=F	0.0R	QV				
Fv10	0.00==	0.0R	QV				
Fv1f	0.00=8	0.0R	QV				
Fv20	0.00m1	0.0R	QV				
Fv2f	0.00mF	0.0R	QV				
FvF0	0.00m=	0.0R	Q V				
FvFf	0.00m8	0.0R	Q V				
FvR0	0.0081	0.0R	Q V				
FvRf	0.008F	0.0R	Q V				
Fvf0	0.008=	0.0R	Q V				
Fvff	0.0089	0.0R	Q V				
Rv 0	0.0091	0.0R	Q V				
Rv f	0.009R	0.0R	Q V				
Rv10	0.009m	0.0R	Q V				
Rv1f	0.0100	0.0R	Q V				
Rv20	0.010F	0.0f	Q V				
Rv2f	0.010m	0.0f	Q V				
RvF0	0.0110	0.0f	Q V				
RvFf	0.011R	0.0f	Q V				
RvR0	0.011m	0.0f	Q V				
RvRf	0.0120	0.0f	Q V				
Rvf0	0.012R	0.0f	Q V				
Rvff	0.0128	0.0=	Q V				
fv 0	0.01F2	0.0=	Q V				
fv f	0.01Ff	0.0f	Q V				
fv10	0.01F9	0.0f	Q V				
fv1f	0.01R2	0.0R	Q V				
fv20	0.01Rf	0.0f	Q V				
fv2f	0.01R8	0.0f	Q V				
fvF0	0.01f2	0.0f	Q V				
fvFf	0.01ff	0.0f	Q V				
fvR0	0.01f9	0.0=	Q V				
fvRf	0.01=F	0.0=	Q V				
fvf0	0.01=m	0.0=	Q V				
fvff	0.01m1	0.0=	Q V				
=v 0	0.01m9	0.0=	Q V				
=v f	0.01m9	0.0=	Q V				
=v10	0.018F	0.0=	Q V				
=v1f	0.0188	0.0=	Q V				
=v20	0.0192	0.0=	Q V				
=v2f	0.019=	0.0=	Q V				
=vF0	0.0201	0.0=	Q V				
=vFf	0.020F	0.0m	Q V				
=vR0	0.0210	0.0m	Q V				
=vRf	0.021f	0.0m	Q V				
=vf0	0.0220	0.0m	Q V				
=vff	0.022f	0.0m	Q V				
mv 0	0.02F0	0.0m	Q V				
mv f	0.02Ff	0.0m	Q V				
mv10	0.02R0	0.0m	Q V				
mv1f	0.02Rf	0.0m	Q V				
mv20	0.02f0	0.0m	Q V				
mv2f	0.02ff	0.08	Q V				
mvF0	0.02=0	0.08	Q V				
mvFf	0.02==	0.08	Q V				
mvR0	0.02m2	0.08	Q V				
mvRf	0.02m8	0.09	Q V				
mvf0	0.028R	0.09	Q V				
mvff	0.0290	0.09	Q V				
8v 0	0.029=	0.09	Q V				
8v f	0.0F0F	0.10	Q V				
8v10	0.0F10	0.10	Q V				
8v1f	0.0F1m	0.11	Q V				
8v20	0.0F2f	0.11	Q V				
8v2f	0.0FF2	0.11	Q V				
8vF0	0.0FR0	0.11	Q V				
8vFf	0.0FRm	0.11	Q V				
8vR0	0.0Fff	0.11	Q V				
8vRf	0.0F=F	0.11	Q V				
8vf0	0.0Fm1	0.12	Q V				
8vff	0.0Fm9	0.12	Q V				
9v 0	0.0F8m	0.12	Q V				
9v f	0.0F9=	0.1F	Q V				
9v10	0.0R0f	0.1F	Q V				
9v1f	0.0R1R	0.1F	Q V				

Ex1 2yr24hr

Page 6 of 9

9v20	0.0R2R	0.1R	Q	V			
9v2f	0.0RFR	0.1R	Q	V			
9vF0	0.0RRF	0.1R	Q	V			
9vFf	0.0RfF	0.1f	Q	V			
9vR0	0.0R=R	0.1f	Q	V			
9vRf	0.0RmR	0.1f	Q	V			
9vf0	0.0R8R	0.1f	Q	V			
9vff	0.0R9f	0.1=	Q	V			
10v 0	0.0f0=	0.1=	Q	V			
10v f	0.0f1=	0.1R	Q	V			
10v10	0.0f2R	0.12	Q	V			
10v1f	0.0fF2	0.11	Q	V			
10v20	0.0fF9	0.11	Q	V			
10v2f	0.0fRm	0.11	Q	V			
10vF0	0.0fFR	0.11	Q	V			
10vFf	0.0f=2	0.12	Q	V			
10vR0	0.0fm2	0.1R	Q	V			
10vRf	0.0f81	0.1R	Q	V			
10vf0	0.0f91	0.1R	Q	V			
10vff	0.0=01	0.1R	Q	V			
11v 0	0.0=11	0.1R	Q	V			
11v f	0.0=20	0.1R	Q	V			
11v10	0.0=F0	0.1R	Q	V			
11v1f	0.0=F9	0.1R	Q	V			
11v20	0.0=R9	0.1R	Q	V			
11v2f	0.0=f8	0.1R	Q	V			
11vF0	0.0==8	0.1R	Q	V			
11vFf	0.0=mm	0.1f	Q	V			
11vR0	0.0=8f	0.1f	Q	V			
11vRf	0.0=9R	0.12	Q	V			
11vf0	0.0m02	0.12	Q	V			
11vff	0.0m11	0.1f	Q	V			
12v 0	0.0m20	0.1f	Q	V			
12v f	0.0mF0	0.1R	Q	V			
12v10	0.0mR1	0.1m	Q	V			
12v1f	0.0mfF	0.1m	Q	V			
12v20	0.0m==	0.18	Q	V			
12v2f	0.0mm8	0.18	Q	V			
12vF0	0.0m91	0.19	Q	V			
12vFf	0.080R	0.19	Q	V			
12vR0	0.0818	0.20	Q	V			
12vRf	0.08f1	0.20	Q	V			
12vf0	0.08Rf	0.20	Q	V			
12vff	0.08=0	0.21	Q	V			
1fv 0	0.08mR	0.21	Q	V			
1fv f	0.0889	0.22	Q	V			
1fv10	0.090f	0.2R	Q	V			
1fv1f	0.0921	0.2R	Q	V			
1fv20	0.09F8	0.2R	Q	V			
1fv2f	0.09ff	0.2R	Q	V			
1fvF0	0.09m2	0.2R	Q	V			
1fvFf	0.098m	0.22	Q	V			
1fvR0	0.0999	0.18	Q	V			
1fvRf	0.1011	0.1m	Q	V			
1fvf0	0.102F	0.1m	Q	V			
1fvff	0.10FR	0.1m	Q	V			
1rv 0	0.10R=	0.1=	Q	V			
1rv f	0.10f8	0.1m	Q	V			
1rv10	0.10m1	0.19	Q	V			
1rv1f	0.108R	0.19	Q	V			
1rv20	0.109m	0.19	Q	V			
1rv2f	0.1110	0.19	Q	V			
1rvF0	0.112F	0.19	Q	V			
1rvFf	0.11fF	0.19	Q	V			
1rvR0	0.11R8	0.19	Q	V			
1rvRf	0.11=1	0.19	Q	V			
1rvf0	0.11mR	0.18	Q	V			
1rvff	0.118=	0.18	Q	V			
1fv 0	0.1199	0.18	Q	V			
1fv f	0.1211	0.18	Q	V			
1fv10	0.122F	0.1m	Q	V			
1fv1f	0.12fF	0.1m	Q	V			
1fv20	0.12R=	0.1m	Q	V			
1fv2f	0.12f8	0.1m	Q	V			
1fvF0	0.12=9	0.1m	Q	V			
1fvFf	0.1280	0.1=	Q	V			
1fvR0	0.1290	0.1R	Q	V			
1fvRf	0.1F00	0.1R	Q	V			
1fvf0	0.1F09	0.1R	Q	V			
1fvff	0.1F18	0.1R	Q	V			
1=v 0	0.1F28	0.1R	Q	V			
1=v f	0.1FFf	0.10	Q	V			
1=v10	0.1FF9	0.0f	Q	V			
1=v1f	0.1FR2	0.0R	Q	V			
1=v20	0.1FRR	0.0f	Q	V			
1=v2f	0.1FR=	0.0f	Q	V			
1=vF0	0.1FR8	0.0f	Q	V			

1=vFf	0.1Ff0	0.0F	Q				V
1=vR0	0.1Ff1	0.02	Q				V
1=vRf	0.1FfF	0.02	Q				V
1=vf0	0.1FfR	0.02	Q				V
1=vff	0.1Ff=	0.02	Q				V
1mv 0	0.1Ffm	0.02	Q				V
1mv f	0.1Ff9	0.0F	Q				V
1mv10	0.1F=1	0.0F	Q				V
1mv1f	0.1F=R	0.0F	Q				V
1mv20	0.1F==	0.0R	Q				V
1mv2f	0.1F=9	0.0R	Q				V
1mvF0	0.1Fm1	0.0R	Q				V
1mvFf	0.1FmR	0.0R	Q				V
1mvR0	0.1Fm=	0.0R	Q				V
1mvRf	0.1Fm9	0.0R	Q				V
1mvf0	0.1F81	0.0F	Q				V
1mvff	0.1F8F	0.0F	Q				V
18v 0	0.1F8f	0.0F	Q				V
18v f	0.1F8m	0.0F	Q				V
18v10	0.1F89	0.0F	Q				V
18v1f	0.1F91	0.0F	Q				V
18v20	0.1F9F	0.0F	Q				V
18v2f	0.1F9f	0.0F	Q				V
18vF0	0.1F9m	0.0F	Q				V
18vFf	0.1F99	0.0F	Q				V
18vR0	0.1R00	0.02	Q				V
18vRf	0.1R02	0.02	Q				V
18vf0	0.1R0F	0.02	Q				V
18vff	0.1R0R	0.02	Q				V
19v 0	0.1R0f	0.02	Q				V
19v f	0.1R0=	0.02	Q				V
19v10	0.1R08	0.02	Q				V
19v1f	0.1R09	0.02	Q				V
19v20	0.1R11	0.02	Q				V
19v2f	0.1R1F	0.0F	Q				V
19vf0	0.1R1f	0.0F	Q				V
19vFf	0.1R1=	0.0F	Q				V
19vR0	0.1R18	0.02	Q				V
19vRf	0.1R20	0.02	Q				V
19vf0	0.1R21	0.02	Q				V
19vff	0.1R22	0.02	Q				V
20v 0	0.1R2F	0.02	Q				V
20v f	0.1R2R	0.02	Q				V
20v10	0.1R2=	0.02	Q				V
20v1f	0.1R2m	0.02	Q				V
20v20	0.1R28	0.02	Q				V
20v2f	0.1Rf0	0.02	Q				V
20vF0	0.1Rf1	0.02	Q				V
20vFf	0.1RfF	0.02	Q				V
20vR0	0.1RfR	0.02	Q				V
20vRf	0.1Rf=	0.02	Q				V
20vf0	0.1Rfm	0.02	Q				V
20vff	0.1Rf8	0.02	Q				V
21v 0	0.1Rf9	0.02	Q				V
21v f	0.1RR1	0.02	Q				V
21v10	0.1RR2	0.02	Q				V
21v1f	0.1RRF	0.02	Q				V
21v20	0.1RRf	0.02	Q				V
21v2f	0.1RR=	0.02	Q				V
21vf0	0.1RRm	0.02	Q				V
21vFf	0.1RR8	0.02	Q				V
21vR0	0.1RR9	0.02	Q				V
21vRf	0.1Rf1	0.02	Q				V
21vf0	0.1Rf2	0.02	Q				V
21vff	0.1RfF	0.02	Q				V
22v 0	0.1RfR	0.02	Q				V
22v f	0.1Rff	0.02	Q				V
22v10	0.1Rfm	0.02	Q				V
22v1f	0.1Rf8	0.02	Q				V
22v20	0.1Rf9	0.02	Q				V
22v2f	0.1R=1	0.02	Q				V
22vF0	0.1R=2	0.02	Q				V
22vFf	0.1R=F	0.01	Q				V
22vR0	0.1R=R	0.01	Q				V
22vRf	0.1R=f	0.01	Q				V
22vf0	0.1R==	0.01	Q				V
22vff	0.1R=m	0.01	Q				V
2Fv 0	0.1R=8	0.01	Q				V
2Fv f	0.1R=9	0.01	Q				V
2Fv10	0.1R=9	0.01	Q				V
2Fv1f	0.1Rm0	0.01	Q				V
2Fv20	0.1Rm1	0.01	Q				V
2Fv2f	0.1Rm2	0.01	Q				V
2FvF0	0.1RmF	0.01	Q				V
2FvFf	0.1RmR	0.01	Q				V
2FvR0	0.1Rmf	0.01	Q				V
2FvRf	0.1Rm=	0.01	Q				V

2Fvf0	0.1Rmm	0.01	Q				V
2Fvff	0.1Rm8	0.01	Q				V
2Rv_0	0.1Rm9	0.01	Q				V
2Rv_f	0.1R80	0.01	Q				V
2Rv10	0.1R80	0.00	Q				V
2Rv1f	0.1R80	0.00	Q				V
2Rv20	0.1R80	0.00	Q				V
2Rv2f	0.1R80	0.00	Q				V

Unit Hydrograph Analysis

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Study date 0F/01/22 :illex e+IRIR.out

Midside County Synthetic Unit Hydrology Method
MC:C 7 PCD Manual date - April 19m8

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English (in-16) Input Units Used
English Main=all Data (Inches) Input Values Used

English Units used in output =or5at

Drainage Area 3 9.8m(Ac.) 3 0.01R Sq. Wi.
Drainage Area =or Depth-Area Areal Adjust5ent 3 9.8m(Ac.) 3 0.01R Sq. Wi.
Length along longest watercourse 3 912.00(:t.)
Length along longest watercourse 5easured to centroid 3 4Rf.00(:t.)
Length along longest watercourse 3 0.1mF Wi.
Length along longest watercourse 5easured to centroid 3 0.08f Wi.
Di=erence in ele&ation 3 1R.00(:t.)
Slope along watercourse 3 8f.8421 :t./wi.
A&erage Wanning's 'N' 3 0.0F0
Lag ti5e 3 0.0f2 Hr.
Lag ti5e 3 F.m4 Win.
2R% o= lag ti5e 3 0.94 win.
40% o= lag ti5e 3 1.R0 Win.
Unit ti5e 3 R.00 Win.
Duration o= stor5 3 1 Hour(s)
User Entered Base :low 3 0.00(C:S)

2 YEAM Area rain=all datax

Area(Ac.)[1] Main=all(In)[2] Peighting[1*2]
9.8m 0.R0 4.9F

100 YEAM Area rain=all datax

Area(Ac.)[1] Main=all(In)[2] Peighting[1*2]
9.8m 1.20 11.84

STOMW EVENT (YEAM) 3 R.00
Area A&eraged 2-Year Main=all 3 0.R00(In)
Area A&eraged 100-Year Main=all 3 1.200(In)

boint rain (area a&eraged) 3 0.ffa(In)
Areal adjust5ent =actor 3 99.99 %
Adjusted a&erage point rain 3 0.ffa(In)

Su6-Area Datax
Area(Ac.) Mun0= Inde+ I5per&iuous %
9.8m0 f9.00 0.000
Total Area Entered 3 9.8m(Ac.)

MI MI In=il. Mate I5per&iuous Adj. In=il. Mate Area% :
AWC2 AWC-1 (In/Hr) (Dec.%) (In/Hr) (Dec.) (In/Hr)
f9.0 49.8 0.Rm4 0.000 0.Rm4 1.000 0.Rm4
Su5 (:) 3 0.Rm4

Area a&eraged 5ean soil loss (:) (In/Hr) 3 0.Rm4
wini5u5 soil loss rate ((In/Hr)) 3 0.28m
(=or 24 hour stor5 duration)
Soil low loss rate (deci5al) 3 0.900

Slope o= intensity-duration cur&e =or a 1 hour stor5 30.R000

Unit Hydrograph
VALLEY S-Cur&e

Unit Hydrograph Data

Unit ti5e period Ti5e % o= lag Distri6ution Unit Hydrograph

Ex5 yr 15h1

Page 1 of 2

	(hrs)		Graph %	(C:S)
1	0.08F	1FF.f11	28.998	2.884
2	0.1fm	2fm.222	48.09f	4.m84
F	0.2R0	400.8FF	12.241	1.218
4	0.FFF	RF4.444	R.441	0.R41
R	0.41m	ff8.0RR	2.9f9	0.29R
f	0.R00	801.fff	2.2RR	0.224
		Su5 3 100.000	Su53	9.94m

The following loss rate calculations reflect use of the 5ini5u5 calculated loss rate subtracted from the Stor5 Main to produce the 5a+i5u5 E=ecti&e Main &alue

Unit	TiSe (Hr.)	battern bercent	Stor5 Main (In/Hr)	Loss rate(In./Hr) Wa+ Low	E=ecti&e (In/Hr)
1	0.08	4.20	0.FFR	(0.Rm4)	0.F01 0.0FF
2	0.1m	4.F0	0.F4F	(0.Rm4)	0.F08 0.0F4
F	0.2R	R.00	0.F98	(0.Rm4)	0.FR9 0.040
4	0.FF	R.00	0.F98	(0.Rm4)	0.FR9 0.040
R	0.42	R.80	0.4f2	(0.Rm4)	0.41f 0.04f
f	0.R0	f.R0	0.R18	(0.Rm4)	0.4ff 0.0R2
m	0.R8	m.40	0.R90	(0.Rm4)	0.RF1 0.0R9
8	0.fm	8.f0	0.f8R	0.Rm4 (0.f1m)	0.111
9	0.mR	12.F0	0.980	0.Rm4 (0.882)	0.40f
10	0.8F	29.10	2.F18	0.Rm4 (2.08f)	1.m44
11	0.92	f.80	0.R42	(0.Rm4)	0.488 0.0R4
12	1.00	R.00	0.F98	(0.Rm4)	0.FR9 0.040
(Loss Mate Not Used)					
Su5 3	100.0				Su5 3 2.m
lood &olu5e 3 E=ecti&e rain=all 0.22(In)					
tises area 9.9(Ac.)/[(In)/(t.)] 3 0.2(Ac.:t)					
Total soil loss 3 0.44(In)					
Total soil loss 3 0.Ff4(Ac.:t)					
Total rain=all 3 0.ff(In)					
lood &olu5e 3 m941.4 Cu6ic :eet					
Total soil loss 3 1R844.8 Cu6ic :eet					

beak =low rate of this hydrograph 3 9.090(C:S)

1 - H O U M S T O M W
M u n o = H y d r o g r a p h

Hydrograph in R winute inter&als ((C:S))

TiSe(hv5)	volu5e	Ac.:t	Q(C:S)	0	2.R	R.0	m.R	10.0
0v R	0.000m	0.10	Q					
0v10	0.0024	0.2f	VQ					
0v1R	0.004m	0.F2	Q					
0v20	0.00m2	0.Fm	Q					
0v2R	0.0099	0.40	QV					
0vF0	0.01F1	0.4f	QV					
0vFR	0.01ff	0.R2	QV					
0v40	0.021R	0.m1	Q V					
0v4R	0.0F41	1.8F	Q					
0vR0	0.08FR	m.1m			V		Q	
0vRR	0.14f1	9.09					V	Q
1v 0	0.1fR1	2.mm			Q			V
1v R	0.1m44	1.FR	Q					V
1v10	0.1m91	0.f8	Q					V
1v1R	0.1821	0.4f	Q					V
1v20	0.1822	0.02	Q					V
1v2R	0.182F	0.01	Q					V

Unit Hydrograph Analysis

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Study date 0F/01/22 :illex e+1RFR.out

Mi&erside County Synthetic Unit Hydrology Method
MC:C 7 PCD Wanual date - April 19m8

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English (in-16) Input Units Used
English Main=all Data (Inches) Input Values Used

English Units used in output =or5at

Drainage Area 3 9.8m(Ac.) 3 0.01R Sq. Wi.
Drainage Area =or Depth-Area Areal Adjust5ent 3 9.8m(Ac.) 3 0.01R Sq. Wi.
Length along longest watercourse 3 912.00(:t.)
Length along longest watercourse 5easured to centroid 3 4Rf.00(:t.)
Length along longest watercourse 3 0.1mF Wi.
Length along longest watercourse 5easured to centroid 3 0.08f Wi.
Di=erence in ele&ation 3 1R.00(:t.)
Slope along watercourse 3 8f.8421 :t./wi.
A&erage Wanning's 'N' 3 0.0F0
Lag ti5e 3 0.0f2 Hr.
Lag ti5e 3 F.m4 Win.
2R% o= lag ti5e 3 0.94 win.
40% o= lag ti5e 3 1.R0 Win.
Unit ti5e 3 R.00 Win.
Duration o= stor5 3 F Hour(s)
User Entered Base :low 3 0.00(C:S)
2 YEAM Area rain=all datax

Area(Ac.)[1] Main=all(In)[2] Peighting[1*2]
9.8m 0.80 m.90

100 YEAM Area rain=all datax

Area(Ac.)[1] Main=all(In)[2] Peighting[1*2]
9.8m 1.90 18.mR

STOMW EVENT (YEAM) 3 R.00
Area A&eraged 2-Year Main=all 3 0.800(In)
Area A&eraged 100-Year Main=all 3 1.900(In)

boint rain (area a&eraged) 3 1.0R8(In)
Areal adjust5ent =actor 3 100.00 %
Adjusted a&erage point rain 3 1.0R8(In)

Su6-Area Datax
Area(Ac.) Mun0= Inde+ I5per&iuous %
9.8m0 f9.00 0.000
Total Area Entered 3 9.8m(Ac.)

MI	MI	In=il. Mate I5per&iuous	Adj. In=il. Mate Area%	:
AWC2	AWC-1	(In/Hr) (Dec.%)	(In/Hr) (Dec.)	(In/Hr)
f9.0	49.8	0.Rm4 0.000	0.Rm4 1.000	0.Rm4
			Su5 (:)	3 0.Rm4

Area a&eraged 5ean soil loss (:) (In/Hr) 3 0.Rm4
wini5u5 soil loss rate ((In/Hr)) 3 0.28m
(=or 24 hour stor5 duration)
Soil low loss rate (deci5al) 3 0.900

Unit Hydrograph VALLEY S-Cur&e

Unit Hydrograph Data

Unit ti5e period	ti5e % o= lag	Distribiution	Unit Hydrograph
(hrs)		Graph %	(C:S)

1	0.08F	1FF.f11	28.998	2.884
2	0.1fm	2fm.222	48.09f	4.m84
F	0.2R0	400.8FF	12.241	1.218
4	0.FFF	RF4.444	R.441	0.R41
R	0.41m	ff8.0RR	2.9f9	0.29R
f	0.R00	801.fff	2.2RR	0.224
		Su5 3 100.000	Su53	9.94m

The following loss rate calculations reflect use of the 5ini5u5 calculated loss rate subtracted from the Stor5 Main to produce the 5a+i5u5 E=ecti&e Main &alue

Unit	TiSe (Hr.)	battern percent	Stor5 Main (In/Hr)	Loss rate(In./Hr)	E=ecti&e (In/Hr)
1	0.08	1.F0	0.1fr	(0.Rm4)	0.148
2	0.1m	1.F0	0.1fr	(0.Rm4)	0.148
F	0.2R	1.10	0.140	(0.Rm4)	0.12f
4	0.FF	1.R0	0.190	(0.Rm4)	0.1m1
R	0.42	1.R0	0.190	(0.Rm4)	0.1m1
f	0.R0	1.80	0.228	(0.Rm4)	0.20f
m	0.R8	1.R0	0.190	(0.Rm4)	0.1m1
8	0.fm	1.80	0.228	(0.Rm4)	0.20f
9	0.mR	1.80	0.228	(0.Rm4)	0.20f
10	0.8F	1.R0	0.190	(0.Rm4)	0.1m1
11	0.92	1.f0	0.20F	(0.Rm4)	0.18F
12	1.00	1.80	0.228	(0.Rm4)	0.20f
1F	1.08	2.20	0.2m9	(0.Rm4)	0.2R1
14	1.1m	2.20	0.2m9	(0.Rm4)	0.2R1
1R	1.2R	2.20	0.2m9	(0.Rm4)	0.2R1
1f	1.FF	2.00	0.2R4	(0.Rm4)	0.228
1m	1.42	2.f0	0.FF0	(0.Rm4)	0.29m
18	1.R0	2.m0	0.F4F	(0.Rm4)	0.F08
19	1.R8	2.40	0.F0R	(0.Rm4)	0.2m4
20	1.fm	2.m0	0.F4F	(0.Rm4)	0.F08
21	1.mR	F.F0	0.419	(0.Rm4)	0.Fmm
22	1.8F	F.10	0.F9F	(0.Rm4)	0.FR4
2F	1.92	2.90	0.Ff8	(0.Rm4)	0.FF1
24	2.00	F.00	0.F81	(0.Rm4)	0.F4F
2R	2.08	F.10	0.F9F	(0.Rm4)	0.FR4
2f	2.1m	4.20	0.RFF	(0.Rm4)	0.480
2m	2.2R	R.00	0.fFR	(0.Rm4)	0.Rm1
28	2.FF	F.R0	0.444	(0.Rm4)	0.400
29	2.42	f.80	0.8ff	(0.Rm4)	0.mmm
F0	2.R0	m.F0	0.92f	(0.Rm4)	0.8F4
F1	2.R8	8.20	1.041	(0.Rm4)	0.9Fm
F2	2.fm	R.90	0.m49	(0.Rm4)	0.fm4
FF	2.mR	2.00	0.2R4	(0.Rm4)	0.228
F4	2.8F	1.80	0.228	(0.Rm4)	0.20f
FR	2.92	1.80	0.228	(0.Rm4)	0.20f
FF	F.00	0.f0	0.0mf	(0.Rm4)	0.0f9

(Loss Mate Not Used)
 Su5 3 100.0
 :lood &olu5e 3 E=ecti&e rain=all 0.18(In)
 ti5es area 9.9(Ac.)/[(In)/(:t.)] 3 0.2(Ac.:t)
 Total soil loss 3 0.8m(In)
 Total soil loss 3 0.m19(Ac.:t)
 Total rain=all 3 1.0f(In)
 :lood &olu5e 3 fRR1.R Cu6ic :eet
 Total soil loss 3 f1F40.F Cu6ic :eet

beak =low rate om this hydrograph 3 F.441(C:S)

~~~~~  
 F - H O U M S T O M W  
 M u n o = = H y d r o g r a p h

~~~~~  
 Hydrograph in R winute inter&als ((C:S))

TiSe(hv5)	Volu5e Ac.:t	Q(C:S)	0	2.R	R.0	m.R	10.0
0v R	0.000F	0.0R	Q				
0v10	0.0012	0.1F	Q				
0v1R	0.0022	0.14	Q				
0v20	0.00F2	0.1R	Q				
0v2R	0.0044	0.18	QV				
0vF0	0.00R8	0.20	QV				
0vFR	0.00m2	0.21	QV				
0v40	0.008f	0.20	Q V				
0v4R	0.0101	0.22	Q V				
0vR0	0.011f	0.21	Q V				
0vRR	0.01F0	0.20	Q V				
1v 0	0.0144	0.21	Q V				
1v R	0.01f0	0.24	Q V				
1v10	0.01m9	0.2f	Q V				
1v1R	0.019m	0.2m	Q V				

Ex1 5yr3hr

Page 2 of 3

1v20	0.021f	0.2m	Q	V				
1v2R	0.02FR	0.28	Q	V				
1vF0	0.02Rm	0.F2	Q	V				
1vFR	0.02m9	0.F2	Q	V				
1v40	0.0F01	0.F2	Q	V				
1v4R	0.0F2R	0.FF	Q	V				
1vR0	0.0FR2	0.F9	Q	V				
1vRR	0.0Fm8	0.F8	Q	V				
2v 0	0.0404	0.Fm	Q	V				
2v R	0.04F0	0.F8	Q	V				
2v10	0.04f0	0.4F	Q	V				
2v1R	0.049f	0.RF	Q	V				
2v20	0.0RFF	0.R4	Q	V				
2v2R	0.0f14	1.1m	Q	V				
2vF0	0.0m8m	2.R1	Q	V				
2vFR	0.1024	F.44	Q	V				
2v40	0.12RR	F.FR	Q	V				
2v4R	0.1Fmf	1.mf	Q	V				
2vR0	0.14FF	0.82	Q	V				
2vRR	0.14f9	0.R2	Q	V				
Fv 0	0.1491	0.FF	Q	V				
Fv R	0.1R00	0.12	Q	V				
Fv10	0.1R02	0.0F	Q	V				
Fv1R	0.1R0F	0.02	Q	V				
Fv20	0.1R04	0.01	Q	V				
Fv2R	0.1R04	0.00	Q	V				

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Study date 0F/01/22 :ilex e+1RvR.out

&iwerside County Synthetic Unit Hydrology 7ethod
&C:C P mCD 7annual date - April 19b8

English (in-lf) Input Units Used
English &ain=all Data (Inches) Input Values Used
English Units used in output =or6at

```

Drainage Area 3      9.8b(Ac.) 3      0.01R Sq. 7i.
Drainage Area =or Depth-Area Area Adjust6ent 3      9.8b(Ac.) 3      0.01R Sq. 7i.
Length along longest watercourse 3      912.00(:t.)
Length along longest watercourse 6easured to centroid 3      4Rv.00(:t.)
Length along longest watercourse 3      0.1bF 7i.
Length along longest watercourse 6easured to centroid 3      0.08v 7i.
Di=fference in elevation 3      1R.00(:t.)
Slope along watercourse 3      8v.8421 :t./7i.
Awerage Manning's 'N' 3 0.0F0
Lag ti6e 3      0.0v2 Hr.
Lag ti6e 3      F.b4 7in.
2R% o= lag ti6e 3      0.94 7in.
40% o= lag ti6e 3      1.R0 7in.
Unit ti6e 3      R.00 7in.
Duration o= stor6 3 v Hour(s)
User Entered Base :low 3      0.00(C:S)

```

Area(Ac.)[1]	&ain=all(In)[2]	meighting[1*2]
9.8b	1.20	11.84

Area(Ac.)[1]	&ain=a11(In)[2]	meighting[1*2]
9.8b	2.R0	24.vb

STO&7 EVENT(YEA&) 3 R.00
Area Aweraged 2-Year &ain=all 3 1.200(In)
Area Aweraged 100-Year &ain=all 3 2.R00(In)

Soiint rain (area aweraged) 3 1.R04(In)
Areal adjust&ent =actor 3 100.00 %
Adjusted average point rain 3 1.R04(In)

Suf-Area Datax
Area(Ac.) &uno== Inde+ I6perwious %
9.8b0 v9.00 0.000
Total Area Entered 3 9.8b(Ac.)

&I	&I	In=il. &ate	I6peruiuos	Adj. In=il. &ate	Area% :	
A7C2	A7C-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
v9.0	49.8	0.Rb4	0.000	0.Rb4	1.000	0.Rb4
					Su6 (:)	3
Area averaged 6ean soil loss (:)		(In/Hr) 3	0.Rb4			
7ini6u6 soil loss rate ((In/Hr))		3	0.28b			
(=or 24 hour stor6 duration)						
Soil low loss rate (dec6ial)		3	0.900			

Unit Hydrograph
VALLEY S-Curve

Unit Hydrograph Data

Unit	Time period (hrs)	Time % on lag	Distribution Graph %	Unit	Hydrograph (C:S)

1	0.08F	1FF.v11	28.998	2.884
2	0.1vb	2vb.222	48.09v	4.b84
F	0.2R0	400.8FF	12.241	1.218
4	0.FFF	RF4.444	R.441	0.R41
R	0.41b	vv8.0RR	2.9v9	0.29R
v	0.R00	801.vvv	2.2RR	0.224
		Su6 3 100.000	Su63	9.94b

The following loss rate calculations reflect use of the 6ini6u6 calculated loss rate subtracted from the Stor6 gain to produce the 6a+i6u6 Effective gain value

Unit	Ti6e (Hr.)	Sattern Percent	Stor6 gain (In/Hr)	Loss rate(In./Hr) 7a+ Low	E=ective (In/Hr)
1	0.08	0.R0	0.090	(0.Rb4)	0.081
2	0.1b	0.v0	0.108	(0.Rb4)	0.09b
F	0.2R0	0.v0	0.108	(0.Rb4)	0.09b
4	0.FF	0.v0	0.108	(0.Rb4)	0.09b
R	0.42	0.v0	0.108	(0.Rb4)	0.09b
v	0.R0	0.b0	0.12v	(0.Rb4)	0.114
b	0.R8	0.b0	0.12v	(0.Rb4)	0.114
8	0.vb	0.b0	0.12v	(0.Rb4)	0.114
9	0.br	0.b0	0.12v	(0.Rb4)	0.114
10	0.8F	0.b0	0.12v	(0.Rb4)	0.114
11	0.92	0.b0	0.12v	(0.Rb4)	0.114
12	1.00	0.80	0.144	(0.Rb4)	0.1F0
1F	1.08	0.80	0.144	(0.Rb4)	0.1F0
14	1.1b	0.80	0.144	(0.Rb4)	0.1F0
1R	1.2R	0.80	0.144	(0.Rb4)	0.1F0
1v	1.FF	0.80	0.144	(0.Rb4)	0.1F0
1b	1.42	0.80	0.144	(0.Rb4)	0.1F0
18	1.R0	0.80	0.144	(0.Rb4)	0.1F0
19	1.R8	0.80	0.144	(0.Rb4)	0.1F0
20	1.vb	0.80	0.144	(0.Rb4)	0.1F0
21	1.br	0.80	0.144	(0.Rb4)	0.1F0
22	1.8F	0.80	0.144	(0.Rb4)	0.1F0
2F	1.92	0.80	0.144	(0.Rb4)	0.1F0
24	2.00	0.90	0.1v2	(0.Rb4)	0.14v
2R	2.08	0.80	0.144	(0.Rb4)	0.1F0
2v	2.1b	0.90	0.1v2	(0.Rb4)	0.14v
2b	2.2R	0.90	0.1v2	(0.Rb4)	0.14v
28	2.FF	0.90	0.1v2	(0.Rb4)	0.14v
29	2.42	0.90	0.1v2	(0.Rb4)	0.14v
F0	2.R0	0.90	0.1v2	(0.Rb4)	0.14v
F1	2.R8	0.90	0.1v2	(0.Rb4)	0.14v
F2	2.vb	0.90	0.1v2	(0.Rb4)	0.14v
FF	2.br	1.00	0.181	(0.Rb4)	0.1v2
F4	2.8F	1.00	0.181	(0.Rb4)	0.1v2
FR	2.92	1.00	0.181	(0.Rb4)	0.1v2
Fv	F.00	1.00	0.181	(0.Rb4)	0.1v2
Fb	F.08	1.00	0.181	(0.Rb4)	0.1v2
F8	F.1b	1.10	0.199	(0.Rb4)	0.1b9
F9	F.2R	1.10	0.199	(0.Rb4)	0.1b9
40	F.FF	1.10	0.199	(0.Rb4)	0.1b9
41	F.42	1.20	0.21b	(0.Rb4)	0.19R
42	F.R0	1.F0	0.2FR	(0.Rb4)	0.211
4F	F.R8	1.40	0.2RF	(0.Rb4)	0.22b
44	F.vb	1.40	0.2RF	(0.Rb4)	0.22b
4R	F.br	1.R0	0.2b1	(0.Rb4)	0.244
4v	F.8F	1.R0	0.2b1	(0.Rb4)	0.244
4b	F.92	1.v0	0.289	(0.Rb4)	0.2v0
48	4.00	1.v0	0.289	(0.Rb4)	0.2v0
49	4.08	1.b0	0.F0b	(0.Rb4)	0.2bv
R0	4.1b	1.80	0.F2R	(0.Rb4)	0.292
R1	4.2R	1.90	0.F4F	(0.Rb4)	0.F09
R2	4.FF	2.00	0.Fv1	(0.Rb4)	0.F2R
RF	4.42	2.10	0.Fb9	(0.Rb4)	0.F41
R4	4.R0	2.10	0.Fb9	(0.Rb4)	0.F41
RR	4.R8	2.20	0.F9b	(0.Rb4)	0.FRb
Rv	4.vb	2.F0	0.41R	(0.Rb4)	0.Fb4
Rb	4.br	2.40	0.4FF	(0.Rb4)	0.F90
R8	4.8F	2.40	0.4FF	(0.Rb4)	0.F90
R9	4.92	2.R0	0.4R1	(0.Rb4)	0.40v
v0	R.00	2.v0	0.4v9	(0.Rb4)	0.422
v1	R.08	F.10	0.Rv0	(0.Rb4)	0.R04
v2	R.1b	F.v0	0.vR0	(0.Rb4	(0.R8R)
vF	R.2R	F.90	0.b04	0.Rb4	(0.vF4)
v4	R.FF	4.20	0.bR8	0.Rb4	(0.v82)
vR	R.42	4.b0	0.849	0.Rb4	(0.bv4)
vv	R.R0	R.v0	1.011	0.Rb4	(0.910)
vb	R.R8	1.90	0.F4F	(0.Rb4)	0.F09
v8	R.vb	0.90	0.1v2	(0.Rb4)	0.14v
v9	R.br	0.v0	0.108	(0.Rb4)	0.09b
b0	R.8F	0.R0	0.090	(0.Rb4)	0.081
b1	R.92	0.F0	0.0R4	(0.Rb4)	0.049
b2	v.00	0.20	0.0Fv	(0.Rb4)	0.0F2

Ex1 5yr6hr

Page 2 of 4

Ti6e(hm6)	vo1u6e	Ac:t:t	Q(C:S)	0	2.R	R.0	b.R	10.0
OM R	0.0002	0.0F	Q					
OM10	0.000b	0.0b	Q					
OM1R	0.001F	0.09	Q					
OM20	0.0020	0.10	Q					
OM2R	0.0028	0.10	Q					
OMF0	0.00FR	0.11	Q					
OMFR	0.0044	0.12	QV					
OM40	0.00R2	0.12	QV					
OM4R	0.00v1	0.12	QV					
OMR0	0.00v9	0.1F	QV					
OMRR	0.00b8	0.1F	QV					
1M 0	0.008b	0.1F	Q V					
1M R	0.009b	0.14	Q V					
1M10	0.010b	0.14	Q V					
1M1R	0.011v	0.14	Q V					
1M20	0.012v	0.14	Q V					
1M2R	0.01Fv	0.14	Q V					
1MF0	0.014v	0.14	Q V					
1MFR	0.01Rv	0.14	Q V					
1M40	0.01vv	0.14	Q V					
1M4R	0.01bv	0.14	Q V					
1MR0	0.018v	0.14	Q V					
1MRR	0.019v	0.14	Q V					
2M 0	0.020v	0.1R	Q V					
2M R	0.021v	0.1R	Q V					
2M10	0.022b	0.1R	Q V					
2M1R	0.02F8	0.1v	Q V					
2M20	0.0249	0.1v	Q V					
2M2R	0.02v0	0.1v	Q V					
2MF0	0.02b1	0.1v	Q V					
2MFR	0.0282	0.1v	Q V					
2M40	0.029F	0.1v	Q V					
2M4R	0.0F0R	0.1b	Q V					
2MR0	0.0F1b	0.18	Q V					
2MRR	0.0F29	0.18	Q V					
FM 0	0.0F41	0.18	Q V					
FM R	0.0FR4	0.18	Q V					
FM10	0.0Fvv	0.18	Q V					
FM1R	0.0F80	0.19	Q V					
FM20	0.0F9F	0.20	Q V					
FM2R	0.040b	0.20	Q V					
FMF0	0.0422	0.22	Q V					
FMFR	0.04F8	0.2F	Q V					
FM40	0.04RR	0.24	Q V					
FM4R	0.04b2	0.2R	Q V					
FMR0	0.0491	0.2v	Q V					
FMRR	0.0R09	0.2b	Q V					
4M 0	0.0R29	0.28	Q V					
4M R	0.0R49	0.29	Q V					
4M10	0.0Rb0	0.1	Q V					
4M1R	0.0R92	0.1	Q V					
4M20	0.0v1R	0.1	Q V					
4M2R	0.0v40	0.1v	Q V					
4MF0	0.0vvR	0.1b	Q V					
4MFR	0.0v92	0.18	Q V					
4M40	0.0b19	0.40	Q V					
4M4R	0.0b4b	0.41	Q V					
4MR0	0.0bbv	0.42	Q V					
4MRR	0.080v	0.4F	Q V					
RM 0	0.08Fb	0.4R	Q V					
RM R	0.08b1	0.49	Q V					
RM10	0.0911	0.1	Q V					
RM1R	0.09b0	0.8v	Q V					
RM20	0.10v0	1.1	Q V					
RM2R	0.1191	1.90	Q V					
RMF0	0.1F91	2.91	Q V					

RMFR	0.1Rbv	2.v8		Q			V
RM40	0.1v4F	0.98		Q			V
RM4R	0.1vb8	0.R1		Q			V
RMRO	0.1v99	0.F1		Q			V
RMRR	0.1b12	0.19		Q			V
VM 0	0.1b1b	0.0b		Q			V
VM R	0.1b19	0.04		Q			V
VM10	0.1b20	0.01		Q			V
VM1R	0.1b20	0.01		Q			V
VM20	0.1b20	0.00		Q			V
VM2R	0.1b20	0.00		Q			V

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Study date 0F/01/22 :ilex e+1R2vR.out

&iwerside County Synthetic Unit Hydrology 7ethod
&C:C P mCD 7annual date - April 19b8

English (in-lb) Input Units Used
English &ain3all Data (Inches) Input Values Used
English Units used in output 3or6at

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Drainage Area q      9.8b(Ac.) q      0.01R Sj. 7i.
Drainage Area 3or Depth-Area Area1 Adwust6ent q      9.8b(Ac.) q      0.01R Sj. 7i.
Length along longest 4atercourse q      912.00(:t.)
Length along longest 4atercourse 6easured to centroid q      vR=.00(:t.)
Length along longest 4atercourse q      0.1bF 7i.
Length along longest 4atercourse 6easured to centroid q      0.08= 7i.
Di3ference in elevation q      1R.00(:t.)
Slope along 4atercourse q      8=.8v21 :t./7i.
Awerage 7anning's 'N' q 0.0F0
Lag ti6e q      0.0=2 Hr.
Lag ti6e q      F.bv 7in.
2R% o3 lag ti6e q      0.9v 7in.
v0% o3 lag ti6e q      1.R0 7in.
Unit ti6e q      R.00 7in.
Duration o3 stor6 q 2v Hour(s)
User Entered Base :lo4 q      0.00(c:s)

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Area(Ac.) [1]	all(In) [2]	weighting[1*2]
9.8b	1.80	1b.bb

Area(Ac.) [1]	&ain3all(In) [2]	meighting[1*2]
9.8b	v.R0	vv.v1

STO&7 EVENT (YEA&) q R.00
Area Aweraged 2-Year &ain3all q 1.800(In)
Area Aweraged 100-Year &ain3all q v.R00(In)

5oint rain (area aweraged) q 2.vF2(In)
 Areal adwust6ent 3actor q 100.00 %
 Adwusted awerage point rain q 2.vF2(In)

Suf-Area Datax
Area(Ac.) &uno33 Inde+ I6perwious %
9.8b0 =9.00 0.000
Total Area Entered q 9.8b(Ac.)

&I	&I	In3il.	&ate	I6perwious	Adv.	In3il.	&ate	Area%	:
A7C2	A7C-1		(In/Hr)	(Dec.)		(In/Hr)	(Dec.)		(In/Hr)
=9.0	v9.8		0.0bv	0.000		0.0bv	1.000		0.0bv
							Su6 (:)	q	0.0bv
Area averaged 6ean soil loss (:)			(In/Hr)	q	0.0bv				
7ini6w6 soil loss rate ((In/Hr))			q	0.28b					
(3or 2v hour stor6 duration)									
Soil lo4 loss rate (dec6ial)			q	0.900					

Unit Hydrograph
VALLEY S-Curve

Unit Hydrograph Data

Unit	ti6e period (hrs)	ti6e % o3 lag	Distrifution Graph %	Unit	Hydrograph (C:S)

1	0.08F	1FF.=11	28.998	2.88v
2	0.1=b	2=b.222	v8.09=	v.b8v
F	0.2R0	v00.8FF	12.2v1	1.218
v	0.FFF	RFv.vvv	R.vv1	0.Rv1
R	0.v1b	=8.0RR	2.9=9	0.29R
=	0.R00	801.===	2.2RR	0.22v
			Su6 q 100.000	Su6q 9.9vb

The following loss rate calculations reflect use of the 6ini6u6 calculated loss rate subtracted from the Stor6 gain to produce the 6a+i6u6 Effective gain value

Unit	Ti6e (Hr.)	Sattern Percent	Stor6 gain (In/Hr)	Loss rate(In./Hr) 7a+ Lo4	E33ective (In/Hr)
1	0.08	0.0b	0.019	(1.01b)	0.018
2	0.1b	0.0b	0.019	(1.01v)	0.018
F	0.2R0	0.0b	0.019	(1.010)	0.018
v	0.FF	0.10	0.029	(1.00=)	0.02=
R	0.v2	0.10	0.029	(1.002)	0.02=
=	0.R0	0.10	0.029	(0.998)	0.02=
b	0.R8	0.10	0.029	(0.99v)	0.02=
8	0.=b	0.10	0.029	(0.990)	0.02=
9	0.br	0.10	0.029	(0.98=)	0.02=
10	0.8F	0.1F	0.0F9	(0.982)	0.0FR
11	0.92	0.1F	0.0F9	(0.9b8)	0.0FR
12	1.00	0.1F	0.0F9	(0.9bR)	0.0FR
1F	1.08	0.10	0.029	(0.9b1)	0.02=
1v	1.1b	0.10	0.029	(0.9=b)	0.02=
1R	1.2R	0.10	0.029	(0.9=F)	0.02=
1=	1.FF	0.10	0.029	(0.9R9)	0.02=
1b	1.v2	0.10	0.029	(0.9RR)	0.02=
18	1.R0	0.10	0.029	(0.9R2)	0.02=
19	1.R8	0.10	0.029	(0.9v8)	0.02=
20	1.=b	0.10	0.029	(0.9vv)	0.02=
21	1.br	0.10	0.029	(0.9v0)	0.02=
22	1.8F	0.1F	0.0F9	(0.9F=)	0.0FR
2F	1.92	0.1F	0.0F9	(0.9FF)	0.0FR
2v	2.00	0.1F	0.0F9	(0.929)	0.0FR
2R	2.08	0.1F	0.0F9	(0.92R)	0.0FR
2=	2.1b	0.1F	0.0F9	(0.921)	0.0FR
2b	2.2R	0.1F	0.0F9	(0.918)	0.0FR
28	2.FF	0.1F	0.0F9	(0.91v)	0.0FR
29	2.v2	0.1F	0.0F9	(0.910)	0.0FR
F0	2.R0	0.1F	0.0F9	(0.90=)	0.0FR
F1	2.R8	0.1b	0.0v9	(0.90F)	0.0vv
F2	2.=b	0.1b	0.0v9	(0.899)	0.0vv
FF	2.br	0.1b	0.0v9	(0.89R)	0.0vv
Fv	2.8F	0.1b	0.0v9	(0.892)	0.0vv
FR	2.92	0.1b	0.0v9	(0.888)	0.0vv
F=	F.00	0.1b	0.0v9	(0.88v)	0.0vv
Fb	F.08	0.1b	0.0v9	(0.881)	0.0vv
F8	F.1b	0.1b	0.0v9	(0.8bb)	0.0vv
F9	F.2R	0.1b	0.0v9	(0.8bF)	0.0vv
v0	F.FF	0.1b	0.0v9	(0.8b0)	0.0vv
v1	F.v2	0.1b	0.0v9	(0.8=)	0.0vv
v2	F.R0	0.1b	0.0v9	(0.8=2)	0.0vv
vF	F.R8	0.1b	0.0v9	(0.8R9)	0.0vv
vv	F.=b	0.1b	0.0v9	(0.8RR)	0.0vv
vR	F.br	0.1b	0.0v9	(0.8R2)	0.0vv
v=	F.8F	0.20	0.0R8	(0.8v8)	0.0RF
vb	F.92	0.20	0.0R8	(0.8vv)	0.0RF
v8	v.00	0.20	0.0R8	(0.8v1)	0.0RF
v9	v.08	0.20	0.0R8	(0.8Fb)	0.0RF
R0	v.1b	0.20	0.0R8	(0.8Fv)	0.0RF
R1	v.2R	0.20	0.0R8	(0.8F0)	0.0RF
R2	v.FF	0.2F	0.0=8	(0.82b)	0.0=1
RF	v.v2	0.2F	0.0=8	(0.82F)	0.0=1
Rv	v.R0	0.2F	0.0=8	(0.820)	0.0=1
RR	v.R8	0.2F	0.0=8	(0.81=)	0.0=1
R=	v.=b	0.2F	0.0=8	(0.81F)	0.0=1
Rb	v.br	0.2F	0.0=8	(0.809)	0.0=1
R8	v.8F	0.2b	0.0b8	(0.80=)	0.0b0
R9	v.92	0.2b	0.0b8	(0.802)	0.0b0
=0	R.00	0.2b	0.0b8	(0.899)	0.0b0
=1	R.08	0.20	0.0R8	(0.89R)	0.0RF
=2	R.1b	0.20	0.0R8	(0.892)	0.0RF
=F	R.2R	0.20	0.0R8	(0.888)	0.0RF
=v	R.FF	0.2F	0.0=8	(0.88R)	0.0=1
=R	R.v2	0.2F	0.0=8	(0.881)	0.0=1
==	R.R0	0.2F	0.0=8	(0.8b8)	0.0=1
=b	R.R8	0.2b	0.0b8	(0.8bR)	0.0b0
=8	R.=b	0.2b	0.0b8	(0.8b1)	0.0b0
=9	R.br	0.2b	0.0b8	(0.8=8)	0.0b0
b0	R.8F	0.2b	0.0b8	(0.8=v)	0.0b0
b1	R.92	0.2b	0.0b8	(0.8=1)	0.0b0
b2	=.00	0.2b	0.0b8	(0.8R8)	0.0b0

Ex1 5yr24hr

Page 2 of 9

bF	=.08	0.F0	0.088	(0.bRV)	0.0b9	0.009
bv	=.1b	0.F0	0.088	(0.bR1)	0.0b9	0.009
bR	=.2R	0.F0	0.088	(0.bv8)	0.0b9	0.009
b=	=.FF	0.F0	0.088	(0.bvV)	0.0b9	0.009
bb	=.v2	0.F0	0.088	(0.bv1)	0.0b9	0.009
b8	=.R0	0.F0	0.088	(0.bF8)	0.0b9	0.009
b9	=.R8	0.FF	0.09b	(0.bFV)	0.088	0.010
80	=.=b	0.FF	0.09b	(0.bF1)	0.088	0.010
81	=.bR	0.FF	0.09b	(0.b28)	0.088	0.010
82	=.8F	0.FF	0.09b	(0.b2V)	0.088	0.010
8F	=.92	0.FF	0.09b	(0.b21)	0.088	0.010
8v	b.00	0.FF	0.09b	(0.b18)	0.088	0.010
8R	b.08	0.FF	0.09b	(0.b1R)	0.088	0.010
8=	b.1b	0.FF	0.09b	(0.b11)	0.088	0.010
8b	b.2R	0.FF	0.09b	(0.b08)	0.088	0.010
88	b.FF	0.Fb	0.10b	(0.b0R)	0.09=	0.011
89	b.v2	0.Fb	0.10b	(0.b02)	0.09=	0.011
90	b.R0	0.Fb	0.10b	(0.=98)	0.09=	0.011
91	b.R8	0.v0	0.11b	(0.=9R)	0.10R	0.012
92	b.=b	0.v0	0.11b	(0.=92)	0.10R	0.012
9F	b.bR	0.v0	0.11b	(0.=89)	0.10R	0.012
9v	b.8F	0.vF	0.12=	(0.=8=)	0.11v	0.01F
9R	b.92	0.vF	0.12=	(0.=82)	0.11v	0.01F
9=	8.00	0.vF	0.12=	(0.=b9)	0.11v	0.01F
9b	8.08	0.R0	0.1v=	(0.=b=)	0.1F1	0.01R
98	8.1b	0.R0	0.1v=	(0.=bF)	0.1F1	0.01R
99	8.2R	0.R0	0.1v=	(0.=b0)	0.1F1	0.01R
100	8.FF	0.R0	0.1v=	(0.==b)	0.1F1	0.01R
101	8.v2	0.R0	0.1v=	(0.==v)	0.1F1	0.01R
102	8.R0	0.R0	0.1v=	(0.==0)	0.1F1	0.01R
10F	8.8R	0.RF	0.1R=	(0.=Rb)	0.1v0	0.01=
10v	8.=b	0.RF	0.1R=	(0.=RV)	0.1v0	0.01=
10R	8.bR	0.RF	0.1R=	(0.=R1)	0.1v0	0.01=
10=	8.8F	0.Rb	0.1=R	(0.=v8)	0.1v9	0.01b
10b	8.92	0.Rb	0.1=R	(0.=vR)	0.1v9	0.01b
108	9.00	0.Rb	0.1=R	(0.=v2)	0.1v9	0.01b
109	9.08	0.=F	0.18R	(0.=F9)	0.1==	0.018
110	9.1b	0.=F	0.18R	(0.=F=)	0.1==	0.018
111	9.2R	0.=F	0.18R	(0.=FF)	0.1==	0.018
112	9.FF	0.=b	0.19R	(0.=F0)	0.1bR	0.019
11F	9.v2	0.=b	0.19R	(0.=2b)	0.1bR	0.019
11v	9.R0	0.=b	0.19R	(0.=2V)	0.1bR	0.019
11R	9.R8	0.b0	0.20v	(0.=21)	0.18v	0.020
11=	9.=b	0.b0	0.20v	(0.=18)	0.18v	0.020
11b	9.bR	0.b0	0.20v	(0.=1R)	0.18v	0.020
118	9.8F	0.bF	0.21v	(0.=12)	0.19F	0.021
119	9.92	0.bF	0.21v	(0.=09)	0.19F	0.021
120	10.00	0.bF	0.21v	(0.=0=)	0.19F	0.021
121	10.08	0.R0	0.1v=	(0.=0F)	0.1F1	0.01R
122	10.1b	0.R0	0.1v=	(0.=00)	0.1F1	0.01R
12F	10.2R	0.R0	0.1v=	(0.R9b)	0.1F1	0.01R
12v	10.FF	0.R0	0.1v=	(0.R9v)	0.1F1	0.01R
12R	10.v2	0.R0	0.1v=	(0.R92)	0.1F1	0.01R
12=	10.R0	0.R0	0.1v=	(0.R89)	0.1F1	0.01R
12b	10.R8	0.=b	0.19R	(0.R8=)	0.1bR	0.019
128	10.=b	0.=b	0.19R	(0.R8F)	0.1bR	0.019
129	10.bR	0.=b	0.19R	(0.R80)	0.1bR	0.019
1F0	10.8F	0.=b	0.19R	(0.Rbb)	0.1bR	0.019
1F1	10.92	0.=b	0.19R	(0.Rbv)	0.1bR	0.019
1F2	11.00	0.=b	0.19R	(0.Rb2)	0.1bR	0.019
1FF	11.08	0.=F	0.18R	(0.R=9)	0.1==	0.018
1Fv	11.1b	0.=F	0.18R	(0.R==)	0.1==	0.018
1FR	11.2R	0.=F	0.18R	(0.R=F)	0.1==	0.018
1F=	11.FF	0.=F	0.18R	(0.R=0)	0.1==	0.018
1Fb	11.v2	0.=F	0.18R	(0.RR8)	0.1==	0.018
1F8	11.R0	0.=F	0.18R	(0.RRR)	0.1==	0.018
1F9	11.R8	0.Rb	0.1=R	(0.RR2)	0.1v9	0.01b
1v0	11.=b	0.Rb	0.1=R	(0.Rv9)	0.1v9	0.01b
1v1	11.bR	0.Rb	0.1=R	(0.Rvb)	0.1v9	0.01b
1v2	11.8F	0.=0	0.1bR	(0.Rvv)	0.1R8	0.018
1vF	11.92	0.=0	0.1bR	(0.Rv1)	0.1R8	0.018
1vv	12.00	0.=0	0.1bR	(0.RF8)	0.1R8	0.018
1vR	12.08	0.8F	0.2vF	(0.RF=)	0.219	0.02v
1v=	12.1b	0.8F	0.2vF	(0.RFF)	0.219	0.02v
1vb	12.2R	0.8F	0.2vF	(0.RF0)	0.219	0.02v
1v8	12.FF	0.8b	0.2RF	(0.R28)	0.228	0.02R
1v9	12.v2	0.8b	0.2RF	(0.R2R)	0.228	0.02R
1R0	12.R0	0.8b	0.2RF	(0.R22)	0.228	0.02R
1R1	12.R8	0.9F	0.2b2	(0.R20)	0.2vR	0.02b
1R2	12.=b	0.9F	0.2b2	(0.R1b)	0.2vR	0.02b
1RF	12.bR	0.9F	0.2b2	(0.R1R)	0.2vR	0.02b
1Rv	12.8F	0.9b	0.282	(0.R12)	0.2Rv	0.028
1RR	12.92	0.9b	0.282	(0.R09)	0.2Rv	0.028
1R=	1F.00	0.9b	0.282	(0.R0b)	0.2Rv	0.028
1Rb	1F.08	1.1F	0.FF1	(0.R0v)	0.298	0.0FF
1R8	1F.1b	1.1F	0.FF1	(0.R02)	0.298	0.0FF
1R9	1F.2R	1.1F	0.FF1	(0.v99)	0.298	0.0FF

Ex1 5yr24hr

Page 3 of 9

1=0	1F.FF	1.1F	0.FF1	(0.v9b)	0.298	0.0FF
1=1	1F.v2	1.1F	0.FF1	(0.v9v)	0.298	0.0FF
1=2	1F.R0	1.1F	0.FF1	(0.v92)	0.298	0.0FF
1=F	1F.R8	0.bb	0.22v	(0.v89)	0.201	0.022
1=v	1F.=b	0.bb	0.22v	(0.v8b)	0.201	0.022
1=R	1F.bR	0.bb	0.22v	(0.v8v)	0.201	0.022
1==	1F.8F	0.bb	0.22v	(0.v82)	0.201	0.022
1=b	1F.92	0.bb	0.22v	(0.vb9)	0.201	0.022
1=8	1v.00	0.bb	0.22v	(0.vbb)	0.201	0.022
1=9	1v.08	0.90	0.2=F	(0.vbv)	0.2F=	0.02=
1b0	1v.1b	0.90	0.2=F	(0.vb2)	0.2F=	0.02=
1b1	1v.2R	0.90	0.2=F	(0.v=9)	0.2F=	0.02=
1b2	1v.FF	0.8b	0.2RF	(0.v=b)	0.228	0.02R
1bF	1v.v2	0.8b	0.2RF	(0.v=R)	0.228	0.02R
1bv	1v.R0	0.8b	0.2RF	(0.v=2)	0.228	0.02R
1bR	1v.R8	0.8b	0.2RF	(0.v=0)	0.228	0.02R
1b=	1v.=b	0.8b	0.2RF	(0.vR8)	0.228	0.02R
1bb	1v.bR	0.8b	0.2RF	(0.vRR)	0.228	0.02R
1b8	1v.8F	0.8F	0.2vF	(0.vRF)	0.219	0.02v
1b9	1v.92	0.8F	0.2vF	(0.vR1)	0.219	0.02v
180	1R.00	0.8F	0.2vF	(0.vv8)	0.219	0.02v
181	1R.08	0.80	0.2Fv	(0.vv=)	0.210	0.02F
182	1R.1b	0.80	0.2Fv	(0.vvv)	0.210	0.02F
18F	1R.2R	0.80	0.2Fv	(0.vv1)	0.210	0.02F
18v	1R.FF	0.bb	0.22v	(0.vF9)	0.201	0.022
18R	1R.v2	0.bb	0.22v	(0.vFb)	0.201	0.022
18=	1R.R0	0.bb	0.22v	(0.vFR)	0.201	0.022
18b	1R.R8	0.=F	0.18R	(0.vF2)	0.1==	0.018
188	1R.=b	0.=F	0.18R	(0.vF0)	0.1==	0.018
189	1R.bR	0.=F	0.18R	(0.v28)	0.1==	0.018
190	1R.8F	0.=F	0.18R	(0.v2=)	0.1==	0.018
191	1R.92	0.=F	0.18R	(0.v2v)	0.1==	0.018
192	1=.00	0.=F	0.18R	(0.v21)	0.1==	0.018
19F	1=.08	0.1F	0.0F9	(0.v19)	0.0FR	0.00v
19v	1=.1b	0.1F	0.0F9	(0.v1b)	0.0FR	0.00v
19R	1=.2R	0.1F	0.0F9	(0.v1R)	0.0FR	0.00v
19=	1=.FF	0.1F	0.0F9	(0.v1F)	0.0FR	0.00v
19b	1=.v2	0.1F	0.0F9	(0.v11)	0.0FR	0.00v
198	1=.R0	0.1F	0.0F9	(0.v09)	0.0FR	0.00v
199	1=.R8	0.10	0.029	(0.v0b)	0.02=	0.00F
200	1=.b	0.10	0.029	(0.v0R)	0.02=	0.00F
201	1=.bR	0.10	0.029	(0.v0F)	0.02=	0.00F
202	1=.8F	0.10	0.029	(0.v01)	0.02=	0.00F
20F	1=.92	0.10	0.029	(0.F98)	0.02=	0.00F
20v	1b.00	0.10	0.029	(0.F9=)	0.02=	0.00F
20R	1b.08	0.1b	0.0v9	(0.F9v)	0.0vv	0.00R
20=	1b.1b	0.1b	0.0v9	(0.F92)	0.0vv	0.00R
20b	1b.2R	0.1b	0.0v9	(0.F90)	0.0vv	0.00R
208	1b.FF	0.1b	0.0v9	(0.F89)	0.0vv	0.00R
209	1b.v2	0.1b	0.0v9	(0.F8b)	0.0vv	0.00R
210	1b.R0	0.1b	0.0v9	(0.F8R)	0.0vv	0.00R
211	1b.R8	0.1b	0.0v9	(0.F8F)	0.0vv	0.00R
212	1b.=b	0.1b	0.0v9	(0.F81)	0.0vv	0.00R
21F	1b.bR	0.1b	0.0v9	(0.Fb9)	0.0vv	0.00R
21v	1b.8F	0.1F	0.0F9	(0.Fbb)	0.0FR	0.00v
21R	1b.92	0.1F	0.0F9	(0.FbR)	0.0FR	0.00v
21=	18.00	0.1F	0.0F9	(0.FbF)	0.0FR	0.00v
21b	18.08	0.1F	0.0F9	(0.Fb1)	0.0FR	0.00v
218	18.1b	0.1F	0.0F9	(0.Fb0)	0.0FR	0.00v
219	18.2R	0.1F	0.0F9	(0.F=8)	0.0FR	0.00v
220	18.FF	0.1F	0.0F9	(0.F==)	0.0FR	0.00v
221	18.v2	0.1F	0.0F9	(0.F=v)	0.0FR	0.00v
222	18.R0	0.1F	0.0F9	(0.F=F)	0.0FR	0.00v
22F	18.R8	0.10	0.029	(0.F=1)	0.02=	0.00F
22v	18.=b	0.10	0.029	(0.FR9)	0.02=	0.00F
22R	18.bR	0.10	0.029	(0.FRb)	0.02=	0.00F
22=	18.8F	0.0b	0.019	(0.FR=)	0.018	0.002
22b	18.92	0.0b	0.019	(0.FRv)	0.018	0.002
228	19.00	0.0b	0.019	(0.FR2)	0.018	0.002
229	19.08	0.10	0.029	(0.FR1)	0.02=	0.00F
2F0	19.1b	0.10	0.029	(0.Fv9)	0.02=	0.00F
2F1	19.2R	0.10	0.029	(0.Fvb)	0.02=	0.00F
2F2	19.FF	0.1F	0.0F9	(0.Fv=)	0.0FR	0.00v
2FF	19.v2	0.1F	0.0F9	(0.Fvv)	0.0FR	0.00v
2Fv	19.R0	0.1F	0.0F9	(0.Fv2)	0.0FR	0.00v
2FR	19.R8	0.10	0.029	(0.Fv1)	0.02=	0.00F
2F=	19.=b	0.10	0.029	(0.FF9)	0.02=	0.00F
2Fb	19.bR	0.10	0.029	(0.FF8)	0.02=	0.00F
2F8	19.8F	0.0b	0.019	(0.FF=)	0.018	0.002
2F9	19.92	0.0b	0.019	(0.FFR)	0.018	0.002
2v0	20.00	0.0b	0.019	(0.FFF)	0.018	0.002
2v1	20.08	0.10	0.029	(0.FF2)	0.02=	0.00F
2v2	20.1b	0.10	0.029	(0.FF0)	0.02=	0.00F
2vF	20.2R	0.10	0.029	(0.F29)	0.02=	0.00F
2vv	20.FF	0.10	0.029	(0.F28)	0.02=	0.00F
2vR	20.v2	0.10	0.029	(0.F2=)	0.02=	0.00F
2v=	20.R0	0.10	0.029	(0.F2R)	0.02=	0.00F

Ex1 5yr24hr

Page 4 of 9

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2vb 20.R8 0.10 0.029 ( 0.F2F) 0.02= 0.00F
2v8 20.=b 0.10 0.029 ( 0.F22) 0.02= 0.00F
2v9 20.br 0.10 0.029 ( 0.F21) 0.02= 0.00F
2R0 20.8F 0.0b 0.019 ( 0.F19) 0.018 0.002
2R1 20.92 0.0b 0.019 ( 0.F18) 0.018 0.002
2R2 21.00 0.0b 0.019 ( 0.F1b) 0.018 0.002
2RF 21.08 0.10 0.029 ( 0.F1=) 0.02= 0.00F
2RV 21.1b 0.10 0.029 ( 0.F1v) 0.02= 0.00F
2RR 21.2R 0.10 0.029 ( 0.F1F) 0.02= 0.00F
2R= 21.FF 0.0b 0.019 ( 0.F12) 0.018 0.002
2Rb 21.v2 0.0b 0.019 ( 0.F11) 0.018 0.002
2R8 21.R0 0.0b 0.019 ( 0.F10) 0.018 0.002
2R9 21.R8 0.10 0.029 ( 0.F08) 0.02= 0.00F
2=0 21.=b 0.10 0.029 ( 0.F0b) 0.02= 0.00F
2=1 21.br 0.10 0.029 ( 0.F0=) 0.02= 0.00F
2=2 21.8F 0.0b 0.019 ( 0.F0R) 0.018 0.002
2=F 21.92 0.0b 0.019 ( 0.F0v) 0.018 0.002
2=v 22.00 0.0b 0.019 ( 0.F0F) 0.018 0.002
2=R 22.08 0.10 0.029 ( 0.F02) 0.02= 0.00F
2== 22.1b 0.10 0.029 ( 0.F01) 0.02= 0.00F
2=b 22.2R 0.10 0.029 ( 0.F00) 0.02= 0.00F
2=8 22.FF 0.0b 0.019 ( 0.299) 0.018 0.002
2=9 22.v2 0.0b 0.019 ( 0.298) 0.018 0.002
2b0 22.R0 0.0b 0.019 ( 0.29b) 0.018 0.002
2b1 22.R8 0.0b 0.019 ( 0.29b) 0.018 0.002
2b2 22.=b 0.0b 0.019 ( 0.29=) 0.018 0.002
2bF 22.br 0.0b 0.019 ( 0.29R) 0.018 0.002
2bv 22.8F 0.0b 0.019 ( 0.29v) 0.018 0.002
2bR 22.92 0.0b 0.019 ( 0.29F) 0.018 0.002
2b= 2F.00 0.0b 0.019 ( 0.29F) 0.018 0.002
2bb 2F.08 0.0b 0.019 ( 0.292) 0.018 0.002
2b8 2F.1b 0.0b 0.019 ( 0.291) 0.018 0.002
2b9 2F.2R 0.0b 0.019 ( 0.291) 0.018 0.002
280 2F.FF 0.0b 0.019 ( 0.290) 0.018 0.002
281 2F.v2 0.0b 0.019 ( 0.290) 0.018 0.002
282 2F.R0 0.0b 0.019 ( 0.289) 0.018 0.002
28F 2F.R8 0.0b 0.019 ( 0.289) 0.018 0.002
28v 2F.=b 0.0b 0.019 ( 0.288) 0.018 0.002
28R 2F.br 0.0b 0.019 ( 0.288) 0.018 0.002
28= 2F.8F 0.0b 0.019 ( 0.28b) 0.018 0.002
28b 2F.92 0.0b 0.019 ( 0.28b) 0.018 0.002
288 2v.00 0.0b 0.019 ( 0.28b) 0.018 0.002

```

```

(Loss &ate Not Used)
Su6 q 100.0 Su6 q 2.9
:lood wolu6e q E33ectiwe rain3all 0.2v(In)
t16es area 9.9(Ac.)/[(In)/(t.)] q 0.2(Ac.:t)
Total soil loss q 2.19(In)
Total soil loss q 1.801(Ac.:t)
Total rain3all q 2.vF(In)
:lood wolu6e q 8b1v.b Cufic :eet
Total soil loss q b8vF2.1 Cufic :eet
-----
Seak 3lo4 rate o3 this hydrograph q 0.F29(C:S)
-----
2v - H O U & S T O & 7
& u n o 3 3 H y d r o g r a p h
-----
Hydrograph in R 7inute intervals ((C:S))
-----

```

Ti6e(hM6)	Volu6e	Ac.:t	Q(C:S)	0	2.R	R.0	b.R	10.0
0M R	0.0000	0.01	Q					
0M10	0.0001	0.01	Q					
0M1R	0.000F	0.02	Q					
0M20	0.000v	0.02	Q					
0M2R	0.000=	0.0F	Q					
0MF0	0.0008	0.0F	Q					
0MFR	0.0010	0.0F	Q					
0Mv0	0.0012	0.0F	Q					
0MvR	0.001v	0.0F	Q					
0MR0	0.001=	0.0F	Q					
0MRR	0.0018	0.0v	Q					
1M 0	0.0021	0.0v	Q					
1M R	0.002v	0.0v	Q					
1M10	0.002=	0.0F	Q					
1M1R	0.0028	0.0F	Q					
1M20	0.00F0	0.0F	Q					
1M2R	0.00F2	0.0F	Q					
1MF0	0.00Fv	0.0F	Q					
1MFR	0.00F=	0.0F	Q					
1Mv0	0.00F8	0.0F	Q					
1MvR	0.00v0	0.0F	Q					
1MR0	0.00v2	0.0F	Q					
1MRR	0.00vv	0.0v	Q					
2M 0	0.00vb	0.0v	Q					

ZM R	0.00R0	0.0v	Q				
ZM10	0.00R2	0.0v	QV				
ZM1R	0.00RR	0.0v	QV				
ZM20	0.00R8	0.0v	QV				
ZM2R	0.00=0	0.0v	QV				
ZMF0	0.00=F	0.0v	QV				
ZMFR	0.00==	0.0v	QV				
ZMV0	0.00=9	0.0R	QV				
ZMVR	0.00b2	0.0R	QV				
ZMR0	0.00b=	0.0R	QV				
ZMRR	0.00b9	0.0R	QV				
FM 0	0.0082	0.0R	QV				
FM R	0.008=	0.0R	QV				
FM10	0.0089	0.0R	QV				
FM1R	0.0092	0.0R	QV				
FM20	0.009=	0.0R	QV				
FM2R	0.0099	0.0R	QV				
FMF0	0.0102	0.0R	Q V				
FMFR	0.010=	0.0R	Q V				
FMv0	0.0109	0.0R	Q V				
FMVR	0.0112	0.0R	Q V				
FMR0	0.011=	0.0R	Q V				
FMRR	0.0120	0.0=	Q V				
VM 0	0.012v	0.0=	Q V				
VM R	0.0128	0.0=	Q V				
VM10	0.01F2	0.0=	Q V				
VM1R	0.01F=	0.0=	Q V				
VM20	0.01v0	0.0=	Q V				
VM2R	0.01vv	0.0b	Q V				
VMF0	0.01v9	0.0b	Q V				
VMFR	0.01RF	0.0b	Q V				
VMv0	0.01R8	0.0b	Q V				
VMVR	0.01=F	0.0b	Q V				
VMR0	0.01=8	0.0b	Q V				
VMRR	0.01bF	0.08	Q V				
RM 0	0.01b8	0.08	Q V				
RM R	0.018F	0.0b	Q V				
RM10	0.018b	0.0=	Q V				
RM1R	0.0191	0.0=	Q V				
RM20	0.019=	0.0=	Q V				
RM2R	0.0200	0.0b	Q V				
RMF0	0.020R	0.0b	Q V				
RMFR	0.0210	0.0b	Q V				
RMv0	0.021R	0.08	Q V				
RMVR	0.0220	0.08	Q V				
RMR0	0.022R	0.08	Q V				
RMRR	0.02F1	0.08	Q V				
=M 0	0.02F=	0.08	Q V				
=M R	0.02v2	0.08	Q V				
=M10	0.02vb	0.08	Q V				
=M1R	0.02RF	0.09	Q V				
=M20	0.02R9	0.09	Q V				
=M2R	0.02=R	0.09	Q V				
=MF0	0.02b1	0.09	Q V				
=MFR	0.02b8	0.09	Q V				
=MV0	0.028v	0.09	Q V				
=MVR	0.0291	0.10	Q V				
=MR0	0.029b	0.10	Q V				
=MRR	0.0F0v	0.10	Q V				
bm 0	0.0F11	0.10	Q V				
bm R	0.0F1b	0.10	Q V				
bm10	0.0F2v	0.10	Q V				
bm1R	0.0FF1	0.10	Q V				
bm20	0.0FFb	0.10	Q V				
bm2R	0.0FvR	0.10	Q V				
bmF0	0.0FR2	0.11	Q V				
bmFR	0.0FR9	0.11	Q V				
bmV0	0.0F=b	0.11	Q V				
bmVR	0.0FbR	0.12	Q V				
bMR0	0.0F8F	0.12	Q V				
bMRR	0.0F92	0.12	Q V				
8M 0	0.0v00	0.12	Q V				
8M R	0.0v09	0.1F	Q V				
8M10	0.0v19	0.1v	Q V				
8M1R	0.0v29	0.1v	Q V				
8M20	0.0vF9	0.1v	Q V				
8M2R	0.0vv9	0.1v	Q V				
8MF0	0.0vR9	0.1R	Q V				
8MFR	0.0v=9	0.1R	Q V				
8Mv0	0.0v80	0.1R	Q V				
8MVR	0.0v90	0.1R	Q V				
8MR0	0.0R01	0.1=	Q V				
8MRR	0.0R12	0.1=	Q V				
9M 0	0.0R2v	0.1=	Q V				
9M R	0.0RFR	0.1b	Q V				
9M10	0.0Rv8	0.18	Q V				
9M1R	0.0R=0	0.18	Q V				

9M20	0.0RbF	0.19	Q	V			
9M2R	0.0R8=	0.19	Q	V			
9MF0	0.0R99	0.19	Q	V			
9MFR	0.0=1F	0.20	Q	V			
9MV0	0.0=2b	0.20	Q	V			
9MVR	0.0=v1	0.20	Q	V			
9MR0	0.0=RR	0.21	Q	V			
9MRR	0.0=9	0.21	Q	V			
10M 0	0.0=8v	0.21	Q	V			
10M R	0.0=9b	0.19	Q	V			
10M10	0.0b08	0.1=	Q	V			
10M1R	0.0b19	0.1R	Q	V			
10M20	0.0b29	0.1R	Q	V			
10M2R	0.0bF9	0.1R	Q	V			
10MF0	0.0bv9	0.1R	Q	V			
10MFR	0.0b=0	0.1=	Q	V			
10MV0	0.0bbF	0.18	Q	V			
10MVR	0.0b8=	0.19	Q	V			
10MR0	0.0b99	0.19	Q	V			
10MRR	0.0812	0.19	Q	V			
11M 0	0.082R	0.19	Q	V			
11M R	0.08F8	0.19	Q	V			
11M10	0.08R1	0.19	Q	V			
11M1R	0.08=v	0.19	Q	V			
11M20	0.08bb	0.18	Q	V			
11M2R	0.0889	0.18	Q	V			
11MF0	0.0902	0.18	Q	V			
11MFR	0.091v	0.18	Q	V			
11MV0	0.092=	0.1b	Q	V			
11MVR	0.09Fb	0.1b	Q	V			
11MR0	0.09v9	0.1b	Q	V			
11MRR	0.09=1	0.1b	Q	V			
12M 0	0.09bF	0.1b	Q	V			
12M R	0.098=	0.19	Q	V			
12M10	0.1002	0.2F	Q	V			
12M1R	0.1018	0.2F	Q	V			
12M20	0.10FR	0.2v	Q	V			
12M2R	0.10R2	0.2R	Q	V			
12MF0	0.10=9	0.2R	Q	V			
12MFR	0.108b	0.2=	Q	V			
12MV0	0.110R	0.2b	Q	V			
12MVR	0.112v	0.2b	Q	V			
12MR0	0.11v2	0.2b	Q	V			
12MRR	0.11=1	0.28	Q	V			
1FM 0	0.1181	0.28	Q	V			
1FM R	0.1201	0.29	Q	V			
1FM10	0.122F	0.22	Q	V			
1FM1R	0.12vR	0.22	Q	V			
1FM20	0.12=8	0.2F	Q	V			
1FM2R	0.1290	0.2F	Q	V			
1FMF0	0.1F1F	0.2F	Q	V			
1FMFR	0.1FFv	0.2F	Q	V			
1FMV0	0.1FR1	0.2R	Q	V			
1FMVR	0.1F=b	0.2F	Q	V			
1FMR0	0.1F82	0.2F	Q	V			
1FMRR	0.1F98	0.2F	Q	V			
1VM 0	0.1v1F	0.22	Q	V			
1VM R	0.1v29	0.2F	Q	V			
1VM10	0.1vvb	0.2R	Q	V			
1VM1R	0.1v=v	0.2=	Q	V			
1VM20	0.1v82	0.2=	Q	V			
1VM2R	0.1R00	0.2R	Q	V			
1VMF0	0.1R1b	0.2R	Q	V			
1VMFR	0.1RFv	0.2R	Q	V			
1VMV0	0.1RR2	0.2R	Q	V			
1VMVR	0.1R=9	0.2R	Q	V			
1VMR0	0.1R8=	0.2R	Q	V			
1VMRR	0.1=0F	0.2v	Q	V			
1RM 0	0.1=20	0.2v	Q	V			
1RM R	0.1=F=	0.2v	Q	V			
1RM10	0.1=R2	0.2F	Q	V			
1RM1R	0.1=9	0.2F	Q	V			
1RM20	0.1=8v	0.2F	Q	V			
1RM2R	0.1b00	0.2F	Q	V			
1RMF0	0.1b1R	0.22	Q	V			
1RMFR	0.1bF0	0.21	Q	V			
1RMV0	0.1bvF	0.19	Q	V			
1RMVR	0.1bR=	0.19	Q	V			
1RMR0	0.1b=9	0.19	Q	V			
1RMRR	0.1b82	0.18	Q	V			
1=M 0	0.1b9v	0.18	Q	V			
1=M R	0.180v	0.1v	Q	V			
1=M10	0.1809	0.0b	Q	V			
1=M1R	0.181F	0.0R	Q	V			
1=M20	0.181=	0.0R	Q	V			
1=M2R	0.1819	0.0v	Q	V			
1=MF0	0.1822	0.0v	Q	V			

1=MFR	0.182v	0.0v	Q				V
1=MV0	0.182=	0.0F	Q				V
1=MVR	0.1828	0.0F	Q				V
1=MR0	0.18F0	0.0F	Q				V
1=MRR	0.18F2	0.0F	Q				V
1bm 0	0.18Fv	0.0F	Q				V
1bm R	0.18Fb	0.0F	Q				V
1bm10	0.18v0	0.0v	Q				V
1bm1R	0.18vF	0.0R	Q				V
1bm20	0.18v=	0.0R	Q				V
1bm2R	0.18R0	0.0R	Q				V
1bmF0	0.18RF	0.0R	Q				V
1bmFR	0.18R=	0.0R	Q				V
1bmV0	0.18=0	0.0R	Q				V
1bmVR	0.18=F	0.0R	Q				V
1bmR0	0.18==	0.0R	Q				V
1bmRR	0.18=9	0.0v	Q				V
18m 0	0.18b2	0.0v	Q				V
18m R	0.18bv	0.0v	Q				V
18m10	0.18bb	0.0v	Q				V
18m1R	0.1880	0.0v	Q				V
18m20	0.1882	0.0v	Q				V
18m2R	0.188R	0.0v	Q				V
18mF0	0.1888	0.0v	Q				V
18mFR	0.1890	0.0v	Q				V
18mv0	0.1892	0.0F	Q				V
18mVR	0.189v	0.0F	Q				V
18MR0	0.189=	0.0F	Q				V
18MRR	0.1898	0.02	Q				V
19m 0	0.1899	0.02	Q				V
19m R	0.1901	0.02	Q				V
19m10	0.1902	0.0F	Q				V
19m1R	0.190v	0.0F	Q				V
19m20	0.190b	0.0F	Q				V
19m2R	0.1909	0.0v	Q				V
19mF0	0.1912	0.0v	Q				V
19mFR	0.191v	0.0v	Q				V
19mv0	0.191=	0.0F	Q				V
19mVR	0.1918	0.0F	Q				V
19MR0	0.1920	0.0F	Q				V
19MRR	0.1922	0.02	Q				V
20m 0	0.192F	0.02	Q				V
20m R	0.192R	0.02	Q				V
20m10	0.192=	0.0F	Q				V
20m1R	0.1928	0.0F	Q				V
20m20	0.19F0	0.0F	Q				V
20m2R	0.19F2	0.0F	Q				V
20mF0	0.19Fv	0.0F	Q				V
20mFR	0.19F=	0.0F	Q				V
20mv0	0.19F8	0.0F	Q				V
20mVR	0.19v0	0.0F	Q				V
20MR0	0.19v2	0.0F	Q				V
20MRR	0.19vv	0.02	Q				V
21m 0	0.19vR	0.02	Q				V
21m R	0.19vb	0.02	Q				V
21m10	0.19v8	0.0F	Q				V
21m1R	0.19R0	0.0F	Q				V
21m20	0.19R2	0.0F	Q				V
21m2R	0.19Rv	0.02	Q				V
21mF0	0.19RR	0.02	Q				V
21mFR	0.19Rb	0.02	Q				V
21mv0	0.19R8	0.0F	Q				V
21mVR	0.19=0	0.0F	Q				V
21MR0	0.19=2	0.0F	Q				V
21MRR	0.19=v	0.02	Q				V
22m 0	0.19=R	0.02	Q				V
22m R	0.19=b	0.02	Q				V
22m10	0.19=8	0.0F	Q				V
22m1R	0.19b0	0.0F	Q				V
22m20	0.19b2	0.0F	Q				V
22m2R	0.19bv	0.02	Q				V
22mF0	0.19bR	0.02	Q				V
22mFR	0.19b=	0.02	Q				V
22mv0	0.19b8	0.02	Q				V
22mVR	0.19b9	0.02	Q				V
22MR0	0.1980	0.02	Q				V
22MRR	0.1982	0.02	Q				V
2FM 0	0.198F	0.02	Q				V
2FM R	0.198v	0.02	Q				V
2FM10	0.198=	0.02	Q				V
2FM1R	0.198b	0.02	Q				V
2FM20	0.1988	0.02	Q				V
2FM2R	0.1990	0.02	Q				V
2FMF0	0.1991	0.02	Q				V
2FMFR	0.1992	0.02	Q				V
2FMv0	0.199v	0.02	Q				V
2FMVR	0.199R	0.02	Q				V

2FMR0	0.199=	0.02	Q				V
2FMRR	0.1998	0.02	Q				V
2VM 0	0.1999	0.02	Q				V
2VM R	0.2000	0.01	Q				V
2VM10	0.2000	0.00	Q				V
2VM1R	0.2001	0.00	Q				V
2VM20	0.2001	0.00	Q				V
2VM2R	0.2001	0.00	Q				V

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Study date 0F/01/22 :ilex e+110110.out

viMerside County Synthetic Unit Hydrology &ethod
vC:C W 7CD &annual date - April 19P8

English (in-15) Input Units Used
English vain=all Data (Inches) Input Values Used
English Units used in output =orbat

```
2 YEAv Area rain=all datax
```

```
100 YEAV Area rain=all datax
```

```
moint rain (area aMeraged) 3    0.P88(In)
Areal adjustbent =actor 3    99.99 %
Adjusted aMerage point rain 3    0.P88(In)
```

VI	VI	In=il. vate	Iberpmious	Adj. In=il. vate	Area%	:
A&C2	A&C-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
f9.0	f9.0	0.FPF	0.000	0.FPF	1.000	0.FPF
					Sub (:)	3 0.FPF

slope α = intensity-duration curve for a 1 hour storm 30.6000

Unit Hydrograph				
VALLEY S-CurMe				
Unit Hydrograph Data				
Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (C:S)	
1 0.08F	1FF.f11	28.998	2.884	
2 0.1fP	2fP.222	48.09f	4.p84	
F 0.260	400.8FF	12.241	1.218	
4 0.FFF	6F4.444	6.441	0.641	
6 0.41P	ff8.066	2.9f9	0.296	
f 0.600	801.fff	2.266	0.224	
		Sub 3 100.000	Sub3 9.94P	

The following loss rate calculations reflect use of the binibub calculated loss rate subtracted from the Storv vain to produce the ba+ibub E=ectime vain Malue

Unit Time (Hr.)	mattern mercent	Storb vain (In/Hr)	Loss rate(In./Hr) &a+	Low	E=ectime (In/Hr)
1 0.08	4.20	0.F9P	(0.FPF)	0.F6P	0.040
2 0.1P	4.F0	0.40P	(0.FPF)	0.Fff	0.041
F 0.26	6.00	0.4PF	0.FPF (0.426)	0.100	0.100
4 0.FF	6.00	0.4PF	0.FPF (0.426)	0.100	0.100
6 0.42	6.80	0.648	0.FPF (0.494)	0.1Pf	0.1Pf
f 0.60	f.60	0.f16	0.FPF (0.66F)	0.242	0.242
P 0.68	P.40	0.P00	0.FPF (0.fff0)	0.F2P	0.F2P
8 0.fP	8.f0	0.81F	0.FPF (0.PF2)	0.440	0.440
9 0.P6	12.F0	1.1fF	0.FPF (1.04P)	0.P90	0.P90
10 0.8F	29.10	2.P61	0.FPF (2.4Pf)	2.FP9	2.FP9
11 0.92	f.80	0.f4F	0.FPF (0.6P9)	0.2P0	0.2P0
12 1.00	6.00	0.4PF	0.FPF (0.426)	0.100	0.100

(Loss vate Not Used)

Sub 3 100.0 Sub 3 6.0

:lood Molube 3 E=ectime rain=all 0.42(In)

tibes area 9.9(AC.)/[(In)/(t.)) 3 0.F(AC.:t)

Total soil loss 3 0.FP(In)

Total soil loss 3 0.F06(AC.:t)

Total rain=all 3 0.P9(In)

:lood Molube 3 149F9.4 Cu5ic :eet

Total soil loss 3 1F290.2 Cu5ic :eet

meak =low rate of this hydrograph 3 1F.61P(C:S)

1 - H O U v S T O v &
v u n o = = H y d r o g r a p h

Hydrograph in 6 &minute interMals ((C:S))

Time(hrb)	volube Ac.:t	Q(C:S)	0	6.0	10.0	16.0	20.0
OR 6	0.0008	0.11	Q				
OR10	0.0029	0.F1	Q				
OR16	0.00ff	0.6F	VQ				
OR20	0.012F	0.84	Q				
OR26	0.0202	1.14	Q				
ORF0	0.0F21	1.P4	Q				
ORF6	0.048P	2.41	Q				
OR40	0.0P1F	F.28	Q				
OR46	0.106P	4.99	Q				
OR60	0.184P	11.4P	Q				
OR66	0.2PP8	1F.62	Q				
1R 0	0.F1F0	6.11	Q				
1R 6	0.F29P	2.4F	Q				
1R10	0.FFPf	1.16	Q				
1R16	0.F422	0.fP	Q				
1R20	0.F428	0.09	Q				
1R26	0.F4F0	0.02	Q				

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Study date 0F/01/22 :ilex e+110F10.out

1R20	0.0266	0.F2	Q V				
1R26	0.02P8	0.FF	Q V				
1RF0	0.0F04	0.F8	Q V				
1RF6	0.0FF0	0.F8	Q V				
1R40	0.0F6F	0.F8	Q V				
1R46	0.0400	0.FF	Q V				
1R60	0.04f6	0.96	Q V				
1R66	0.0621	0.82	Q V				
2R 0	0.06P2	0.PF	Q V				
2R 6	0.0f28	0.82	Q V				
2R10	0.0P2F	1.F8	Q V				
2R16	0.089F	2.6F	Q V				
2R20	0.10P9	2.ff	Q V				
2R26	0.1F04	F.26	Q V				
2RF0	0.1f96	6.f9	Q V				
2RF6	0.21PP	f.99	Q V				
2R40	0.2f6f	f.9f	Q V				
2R46	0.294f	4.21	Q V				
2R60	0.F0f2	1.fP	Q V				
2R66	0.F12f	0.94	Q V				
FR 0	0.F1f4	0.66	Q V				
FR 6	0.F1P9	0.22	Q V				
FR10	0.F182	0.04	Q V				
FR16	0.F18F	0.02	Q V				
FR20	0.F184	0.01	Q V				
FR26	0.F184	0.00	Q V				

Unit Hydrograph Analysis

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Mi&erside County Synthetic Unit Hydrology Method
MC:C 7 PCD Wanual date - April 19m8

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English (in-16) Input Units Used
English Main=all Data (Inches) Input Values Used

English Units used in output =or5at

Drainage Area 3 9.8m(Ac.) 3 0.01f Sq. Wi.
Drainage Area =or Depth-Area Areal Adjust5ent 3 9.8m(Ac.) 3 0.01f Sq. Wi.
Length along longest watercourse 3 912.00(:t.)
Length along longest watercourse 5easured to centroid 3 4fR.00(:t.)
Length along longest watercourse 3 0.1mF Wi.
Length along longest watercourse 5easured to centroid 3 0.08R Wi.
Di=erence in ele&ation 3 1f.00(:t.)
Slope along watercourse 3 8R.8421 :t./wi.
A&erage Wanning's 'N' 3 0.0F0
Lag ti5e 3 0.0R2 Hr.
Lag ti5e 3 F.m4 Win.
2f% o= lag ti5e 3 0.94 win.
40% o= lag ti5e 3 1.f0 win.
Unit ti5e 3 f.00 win.
Duration o= stor5 3 R Hour(s)
User Entered Base :low 3 0.00(C:S)

2 YEAM Area rain=all datax

Area(Ac.) [1]	Main=all(In) [2]	Peighting [1*2]
9.8m	1.20	11.84

100 YEAM Area rain=all datax

Area(Ac.) [1]	Main=all(In) [2]	Peighting [1*2]
9.8m	2.f0	24.Rm

STOMW EVENT (YEAM) 3 10.00
Area A&eraged 2-Year Main=all 3 1.200(In)
Area A&eraged 100-Year Main=all 3 2.f00(In)

boint rain (area a&eraged) 3 1.mFf(In)
Areal adjust5ent =actor 3 100.00 %
Adjusted a&erage point rain 3 1.mFf(In)

Su6-Area Datax
Area(Ac.) Muno== Inde+ I5per&iuous %
9.8m0 R9.00 0.000
Total Area Entered 3 9.8m(Ac.)

MI	MI	In=il. Mate I5per&iuous	Adj. In=il. Mate Area%	:
AWC2	AWC-2	(In/Hr) (Dec.%)	(In/Hr) (Dec.)	(In/Hr)
R9.0	R9.0	0.FmF 0.000	0.FmF 1.000	0.FmF
			Su5 (:)	3 0.FmF

Area a&eraged 5ean soil loss (:) (In/Hr) 3 0.FmF
wini5u5 soil loss rate ((In/Hr)) 3 0.18R
(=or 24 hour stor5 duration)
Soil low loss rate (deci5al) 3 0.900

Unit Hydrograph VALLEY S-Cur&e

Unit Hydrograph Data

Unit ti5e period	Ti5e % o= lag	Distri6ution	Unit Hydrograph
(hrs)		Graph %	(C:S)

Ex1 10yr6hr

Page 1 of 4

1	0.08F	1FF.R11	28.998	2.884
2	0.1Rm	2Rm.222	48.09R	4.m84
F	0.2F0	400.8FF	12.241	1.218
4	0.FFF	fF4.444	f.441	0.f41
f	0.41m	RR8.0ff	2.9R9	0.29f
R	0.f00	801.RRR	2.2ff	0.224
		Su5 3 100.000	Su53	9.94m

The following loss rate calculations reflect use of the 5ini5u5 calculated loss rate subtracted from the Stor5 Main to produce the 5a+i5u5 E=ecti&e Main &alue

Unit	TiSe (Hr.)	battern bercent	Stor5 Main (In/Hr)	Loss rate(In./Hr) Wa+ Low	E=ecti&e (In/Hr)
1	0.08	0.f0	0.104	(0.FmF)	0.094
2	0.1m	0.R0	0.12F	(0.FmF)	0.112
F	0.2f	0.R0	0.12F	(0.FmF)	0.112
4	0.FF	0.R0	0.12F	(0.FmF)	0.112
f	0.42	0.R0	0.12F	(0.FmF)	0.112
R	0.f0	0.m0	0.14R	(0.FmF)	0.1F1
m	0.f8	0.m0	0.14R	(0.FmF)	0.1F1
8	0.Rm	0.m0	0.14R	(0.FmF)	0.1F1
9	0.mf	0.m0	0.14R	(0.FmF)	0.1F1
10	0.8F	0.m0	0.14R	(0.FmF)	0.1F1
11	0.92	0.m0	0.14R	(0.FmF)	0.1F1
12	1.00	0.80	0.1Rm	(0.FmF)	0.1f0
1F	1.08	0.80	0.1Rm	(0.FmF)	0.1f0
14	1.1m	0.80	0.1Rm	(0.FmF)	0.1f0
1f	1.2f	0.80	0.1Rm	(0.FmF)	0.1f0
1R	1.FF	0.80	0.1Rm	(0.FmF)	0.1f0
1m	1.42	0.80	0.1Rm	(0.FmF)	0.1f0
18	1.f0	0.80	0.1Rm	(0.FmF)	0.1f0
19	1.f8	0.80	0.1Rm	(0.FmF)	0.1f0
20	1.Rm	0.80	0.1Rm	(0.FmF)	0.1f0
21	1.mf	0.80	0.1Rm	(0.FmF)	0.1f0
22	1.8F	0.80	0.1Rm	(0.FmF)	0.1f0
2F	1.92	0.80	0.1Rm	(0.FmF)	0.1f0
24	2.00	0.90	0.18m	(0.FmF)	0.1R9
2f	2.08	0.80	0.1Rm	(0.FmF)	0.1f0
2R	2.1m	0.90	0.18m	(0.FmF)	0.1R9
2m	2.2f	0.90	0.18m	(0.FmF)	0.1R9
28	2.FF	0.90	0.18m	(0.FmF)	0.1R9
29	2.42	0.90	0.18m	(0.FmF)	0.1R9
F0	2.f0	0.90	0.18m	(0.FmF)	0.1R9
F1	2.f8	0.90	0.18m	(0.FmF)	0.1R9
F2	2.Rm	0.90	0.18m	(0.FmF)	0.1R9
FF	2.mf	1.00	0.208	(0.FmF)	0.18m
F4	2.8F	1.00	0.208	(0.FmF)	0.18m
FF	2.92	1.00	0.208	(0.FmF)	0.18m
FR	F.00	1.00	0.208	(0.FmF)	0.18m
Fm	F.08	1.00	0.208	(0.FmF)	0.18m
F8	F.1m	1.10	0.229	(0.FmF)	0.20R
F9	F.2f	1.10	0.229	(0.FmF)	0.20R
40	F.FF	1.10	0.229	(0.FmF)	0.20R
41	F.42	1.20	0.2f0	(0.FmF)	0.22f
42	F.f0	1.f0	0.2m1	(0.FmF)	0.244
4F	F.f8	1.40	0.291	(0.FmF)	0.2R2
44	F.Rm	1.40	0.291	(0.FmF)	0.2R2
4f	F.mf	1.f0	0.F12	(0.FmF)	0.281
4R	F.8F	1.f0	0.F12	(0.FmF)	0.281
4m	F.92	1.R0	0.FFF	(0.FmF)	0.F00
48	4.00	1.R0	0.FFF	(0.FmF)	0.F00
49	4.08	1.m0	0.Ff4	(0.FmF)	0.F19
f0	4.1m	1.80	0.Fmf	(0.FmF)	0.FFm
f1	4.2f	1.90	0.F9R	(0.FmF)	0.FfR
f2	4.FF	2.00	0.41R	(0.FmF)	(0.Fmf)
FF	4.42	2.10	0.4Fm	(0.FmF)	(0.F9F)
f4	4.f0	2.10	0.4Fm	(0.FmF)	(0.F9F)
ff	4.f8	2.20	0.4f8	(0.FmF)	(0.412)
fR	4.Rm	2.F0	0.4m9	(0.FmF)	(0.4F1)
fm	4.mf	2.40	0.f00	(0.FmF)	(0.4f0)
f8	4.8F	2.40	0.f00	(0.FmF)	(0.4f0)
f9	4.92	2.f0	0.f20	(0.FmF)	(0.4R8)
R0	f.00	2.R0	0.f41	(0.FmF)	(0.48m)
R1	f.08	F.10	0.R4f	(0.FmF)	(0.f81)
R2	f.1m	F.R0	0.m49	(0.FmF)	(0.Rm4)
RF	f.2f	F.90	0.812	(0.FmF)	(0.mF1)
R4	f.FF	4.20	0.8m4	(0.FmF)	(0.m8m)
Rf	f.42	4.m0	0.9m8	(0.FmF)	(0.881)
RR	f.f0	f.R0	1.1RR	(0.FmF)	(1.049)
Rm	f.f8	1.90	0.F9R	(0.FmF)	(0.FfR)
R8	f.Rm	0.90	0.18m	(0.FmF)	0.1R9
R9	f.mf	0.R0	0.12f	(0.FmF)	0.112
m0	f.8F	0.f0	0.104	(0.FmF)	0.094
m1	f.92	0.F0	0.0R2	(0.FmF)	0.0fR
m2	R.00	0.20	0.042	(0.FmF)	0.0Fm

Ex1 10yr6hr

Page 2 of 4

Unit Hydrograph Analysis

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Michigan County Synthetic Unit Hydrology Method
MC:C 7 PCD Manual date - April 19m8

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English (in-16) Input Units Used
English Main3all Data (Inches) Input Values Used

English Units used in output 3or5at

Drainage Area q 9.8m(Ac.) q 0.01f Sj. wi.
Drainage Area 3or Depth-Area Areal Adwust5ent q 9.8m(Ac.) q 0.01f Sj. wi.
Length along longest 4atercourse q 912.00(:t.)
Length along longest 4atercourse 5easured to centroid q Rf=.00(:t.)
Length along longest 4atercourse q 0.1mF Wi.
Length along longest 4atercourse 5easured to centroid q 0.08= wi.
Di33erence in ele&ation q 1f.00(:t.)
Slope along 4atercourse q 8=.8R2l :t./wi.
A&erage Wanning's 'N' q 0.0F0
Lag ti5e q 0.0=2 Hr.
Lag ti5e q F.mR Win.
2f% o3 lag ti5e q 0.9R win.
R0% o3 lag ti5e q 1.f0 win.
Unit ti5e q f.00 win.
Duration o3 stor5 q 2R Hour(s)
User Entered Base :lo4 q 0.00(C:S)

2 YEAM Area rain3all datax

Area(Ac.)[1]	Main3all(In)[2]	Peighting[1*2]
9.8m	1.80	1m.mm

100 YEAM Area rain3all datax

Area(Ac.)[1]	Main3all(In)[2]	Peighting[1*2]
9.8m	R.f0	RR.R1

STOMW EVENT (YEAM) q 10.00
Area A&eraged 2-Year Main3all q 1.800(In)
Area A&eraged 100-Year Main3all q R.f00(In)

boint rain (area a&eraged) q 2.911(In)
Areal adwust5ent 3actor q 100.00 %
Adwusted a&erage point rain q 2.911(In)

Su6-Area Datax
Area(Ac.) Munoz3 Inde+ I5per&iuous %
9.8m0 =9.00 0.000
Total Area Entered q 9.8m(Ac.)

MI	MI	In3il. Mate I5per&iuous	Adw. In3il. Mate Area%	:
AWC-2	AWC-2	(In/Hr) (Dec.%)	(In/Hr) (Dec.)	(In/Hr)
=9.0	=9.0	0.FmF 0.000	0.FmF 1.000	0.FmF
			Su5 (:) q	0.FmF

Area a&eraged 5ean soil loss (:) (In/Hr) q 0.FmF
wini5u5 soil loss rate ((In/Hr)) q 0.18=
(3or 2R hour stor5 duration)
Soil lo4 loss rate (deci5al) q 0.900

Unit Hydrograph VALLEY S-Cur&e

Unit Hydrograph Data

Unit ti5e period	ti5e % o3 lag	Distributi6n	Unit Hydrograph
(hrs)		Graph %	(C:S)

Ex1 10yr24hr

Page 1 of 9

1	0.08F	1FF.=11	28.998	2.88R
2	0.1=m	2=m.222	R8.09=	R.m8R
F	0.2f0	R00.8FF	12.2R1	1.218
R	0.FFF	fFR.RRR	f.RR1	0.fR1
f	0.R1m	=8.0ff	2.9=9	0.29F
=	0.f00	801.===	2.2ff	0.22R
			Su5 q 100.000	Su5q 9.9Rm

The following loss rate calculations reflect use of the 5ini5u5 calculated loss rate subtracted from the Stor5 Main to produce the 5a+i5u5 E33ecti&e Main &alue

Unit	TiSe (Hr.)	battern percent	Stor5 Main (In/Hr)	Loss rate(In./Hr) Wa+ Lo4	E33ecti&e (In/Hr)
1	0.08	0.0m	0.02F	(0.=1)	0.021
2	0.1m	0.0m	0.02F	(0.=f8)	0.021
F	0.2f	0.0m	0.02F	(0.=f=)	0.021
R	0.FF	0.10	0.0FF	(0.=ff)	0.0F1
f	0.R2	0.10	0.0FF	(0.=f1)	0.0F1
=	0.f0	0.10	0.0FF	(0.=R8)	0.0F1
m	0.f8	0.10	0.0FF	(0.=R=)	0.0F1
8	0.=m	0.10	0.0FF	(0.=RF)	0.0F1
9	0.mf	0.10	0.0FF	(0.=R1)	0.0F1
10	0.8F	0.1F	0.0Rm	(0.=F8)	0.0R2
11	0.92	0.1F	0.0Rm	(0.=F=)	0.0R2
12	1.00	0.1F	0.0Rm	(0.=FF)	0.0R2
1F	1.08	0.10	0.0FF	(0.=F1)	0.0F1
1R	1.1m	0.10	0.0FF	(0.=28)	0.0F1
1f	1.2f	0.10	0.0FF	(0.=2=)	0.0F1
1=	1.FF	0.10	0.0FF	(0.=2F)	0.0F1
1m	1.R2	0.10	0.0FF	(0.=21)	0.0F1
18	1.f0	0.10	0.0FF	(0.=18)	0.0F1
19	1.f8	0.10	0.0FF	(0.=1=)	0.0F1
20	1.=m	0.10	0.0FF	(0.=1F)	0.0F1
21	1.mf	0.10	0.0FF	(0.=11)	0.0F1
22	1.8F	0.1F	0.0Rm	(0.=08)	0.0R2
2F	1.92	0.1F	0.0Rm	(0.=0=)	0.0R2
2R	2.00	0.1F	0.0Rm	(0.=0F)	0.0R2
2f	2.08	0.1F	0.0Rm	(0.=01)	0.0R2
2=	2.1m	0.1F	0.0Rm	(0.f98)	0.0R2
2m	2.2f	0.1F	0.0Rm	(0.f9=)	0.0R2
28	2.FF	0.1F	0.0Rm	(0.f9R)	0.0R2
29	2.R2	0.1F	0.0Rm	(0.f91)	0.0R2
F0	2.f0	0.1F	0.0Rm	(0.f89)	0.0R2
F1	2.f8	0.1m	0.0f8	(0.f8=)	0.0f2
F2	2.=m	0.1m	0.0f8	(0.f8R)	0.0f2
FF	2.mf	0.1m	0.0f8	(0.f82)	0.0f2
FR	2.8F	0.1m	0.0f8	(0.f89)	0.0f2
Ff	2.92	0.1m	0.0f8	(0.f8m)	0.0f2
F=	F.00	0.1m	0.0f8	(0.f8R)	0.0f2
Fm	F.08	0.1m	0.0f8	(0.f82)	0.0f2
F8	F.1m	0.1m	0.0f8	(0.f80)	0.0f2
F9	F.2f	0.1m	0.0f8	(0.f=m)	0.0f2
R0	F.FF	0.1m	0.0f8	(0.f=f)	0.0f2
R1	F.R2	0.1m	0.0f8	(0.f=F)	0.0f2
R2	F.f0	0.1m	0.0f8	(0.f=0)	0.0f2
RF	F.f8	0.1m	0.0f8	(0.f=f8)	0.0f2
RR	F.=m	0.1m	0.0f8	(0.f=f=)	0.0f2
Rf	F.mf	0.1m	0.0f8	(0.f=ff)	0.0f2
R=	F.8F	0.20	0.0m0	(0.f=f1)	0.0=F
Rm	F.92	0.20	0.0m0	(0.fR9)	0.0=F
R8	R.00	0.20	0.0m0	(0.fR=)	0.0=F
R9	R.08	0.20	0.0m0	(0.fRR)	0.0=F
f0	R.1m	0.20	0.0m0	(0.fR2)	0.0=F
f1	R.2f	0.20	0.0m0	(0.fF9)	0.0=F
f2	R.FF	0.2F	0.082	(0.fFm)	0.0mF
fF	R.R2	0.2F	0.082	(0.fFF)	0.0mF
fR	R.f0	0.2F	0.082	(0.fF2)	0.0mF
ff	R.f8	0.2F	0.082	(0.fF0)	0.0mF
f=	R.=m	0.2F	0.082	(0.f28)	0.0mF
fm	R.mf	0.2F	0.082	(0.f2=)	0.0mF
f8	R.8F	0.2m	0.09F	(0.f2F)	0.08R
f9	R.92	0.2m	0.09F	(0.f21)	0.08R
=0	f.00	0.2m	0.09F	(0.f19)	0.08R
=1	f.08	0.20	0.0m0	(0.f1=)	0.0=F
=2	f.1m	0.20	0.0m0	(0.f1R)	0.0=F
=F	f.2f	0.20	0.0m0	(0.f12)	0.0=F
=R	f.FF	0.2F	0.082	(0.f10)	0.0mF
=f	f.R2	0.2F	0.082	(0.f08)	0.0mF
==	f.f0	0.2F	0.082	(0.f0f)	0.0mF
=m	f.f8	0.2m	0.09F	(0.f0F)	0.08R
=8	f.=m	0.2m	0.09F	(0.f01)	0.08R
=9	f.mf	0.2m	0.09F	(0.R99)	0.08R
m0	f.8F	0.2m	0.09F	(0.R9=)	0.08R
m1	f.92	0.2m	0.09F	(0.R9R)	0.08R
m2	=.00	0.2m	0.09F	(0.R92)	0.08R

Ex1 10yr24hr

Page 2 of 9

mF	= .08	0.F0	0.10f	(0.R90)	0.09R	0.010
mR	= .1m	0.F0	0.10f	(0.R88)	0.09R	0.010
mf	= .2f	0.F0	0.10f	(0.R8=)	0.09R	0.010
m=	= .FF	0.F0	0.10f	(0.R8F)	0.09R	0.010
mm	= .R2	0.F0	0.10f	(0.R81)	0.09R	0.010
m8	= .f0	0.F0	0.10f	(0.Rm9)	0.09R	0.010
m9	= .f8	0.FF	0.11=	(0.Rmm)	0.10f	0.012
80	= .=m	0.FF	0.11=	(0.Rmf)	0.10f	0.012
81	= .mf	0.FF	0.11=	(0.RmF)	0.10f	0.012
82	= .8F	0.FF	0.11=	(0.Rm0)	0.10f	0.012
8F	= .92	0.FF	0.11=	(0.R=8)	0.10f	0.012
8R	m.00	0.FF	0.11=	(0.R==)	0.10f	0.012
8f	m.08	0.FF	0.11=	(0.R=R)	0.10f	0.012
8=	m.1m	0.FF	0.11=	(0.R=2)	0.10f	0.012
8m	m.2f	0.FF	0.11=	(0.R=0)	0.10f	0.012
88	m.FF	0.Fm	0.128	(0.Rf8)	0.11f	0.01F
89	m.R2	0.Fm	0.128	(0.Rf=)	0.11f	0.01F
90	m.f0	0.Fm	0.128	(0.RfR)	0.11f	0.01F
91	m.f8	0.R0	0.1R0	(0.Rf2)	0.12=	0.01R
92	m.=m	0.R0	0.1R0	(0.RR9)	0.12=	0.01R
9F	m.mf	0.R0	0.1R0	(0.RRm)	0.12=	0.01R
9R	m.8F	0.RF	0.1f1	(0.RRf)	0.1F=	0.01f
9f	m.92	0.RF	0.1f1	(0.RRR)	0.1F=	0.01f
9=	8.00	0.RF	0.1f1	(0.RR1)	0.1F=	0.01f
9m	8.08	0.f0	0.1mf	(0.RF9)	0.1fm	0.01m
98	8.1m	0.f0	0.1mf	(0.RFm)	0.1fm	0.01m
99	8.2f	0.f0	0.1mf	(0.RFF)	0.1fm	0.01m
100	8.FF	0.f0	0.1mf	(0.RFF)	0.1fm	0.01m
101	8.R2	0.f0	0.1mf	(0.RF1)	0.1fm	0.01m
102	8.f0	0.f0	0.1mf	(0.R29)	0.1fm	0.01m
10F	8.f8	0.fF	0.18=	(0.R2m)	0.1=8	0.019
10R	8.=m	0.fF	0.18=	(0.R2f)	0.1=8	0.019
10f	8.mf	0.fF	0.18=	(0.R2F)	0.1=8	0.019
10=	8.8F	0.fm	0.198	(0.R21)	0.1m8	0.020
10m	8.92	0.fm	0.198	(0.R19)	0.1m8	0.020
108	9.00	0.fm	0.198	(0.R1m)	0.1m8	0.020
109	9.08	0.=F	0.221	(0.R1f)	0.199	0.022
110	9.1m	0.=F	0.221	(0.R1F)	0.199	0.022
111	9.2f	0.=F	0.221	(0.R11)	0.199	0.022
112	9.FF	0.=m	0.2FF	(0.R09)	0.210	0.02F
11F	9.R2	0.=m	0.2FF	(0.R0m)	0.210	0.02F
11R	9.f0	0.=m	0.2FF	(0.R0f)	0.210	0.02F
11f	9.f8	0.m0	0.2Rf	(0.R0F)	0.220	0.02R
11=	9.=m	0.m0	0.2Rf	(0.R01)	0.220	0.02R
11m	9.mf	0.m0	0.2Rf	(0.F99)	0.220	0.02R
118	9.8F	0.mF	0.2f=	(0.F98)	0.2F1	0.02=
119	9.92	0.mF	0.2f=	(0.F9=)	0.2F1	0.02=
120	10.00	0.mF	0.2f=	(0.F9R)	0.2F1	0.02=
121	10.08	0.f0	0.1mf	(0.F92)	0.1fm	0.01m
122	10.1m	0.f0	0.1mf	(0.F90)	0.1fm	0.01m
12F	10.2f	0.f0	0.1mf	(0.F88)	0.1fm	0.01m
12R	10.FF	0.f0	0.1mf	(0.F8=)	0.1fm	0.01m
12f	10.R2	0.f0	0.1mf	(0.F8R)	0.1fm	0.01m
12=	10.f0	0.f0	0.1mf	(0.F82)	0.1fm	0.01m
12m	10.f8	0.=m	0.2FF	(0.F80)	0.210	0.02F
128	10.=m	0.=m	0.2FF	(0.Fm9)	0.210	0.02F
129	10.mf	0.=m	0.2FF	(0.Fmm)	0.210	0.02F
1F0	10.8F	0.=m	0.2FF	(0.Fmf)	0.210	0.02F
1F1	10.92	0.=m	0.2FF	(0.FmF)	0.210	0.02F
1F2	11.00	0.=m	0.2FF	(0.Fm1)	0.210	0.02F
1FF	11.08	0.=F	0.221	(0.F=9)	0.199	0.022
1FR	11.1m	0.=F	0.221	(0.F=8)	0.199	0.022
1Ff	11.2f	0.=F	0.221	(0.F==)	0.199	0.022
1F=	11.FF	0.=F	0.221	(0.F=R)	0.199	0.022
1Fm	11.R2	0.=F	0.221	(0.F=2)	0.199	0.022
1F8	11.f0	0.=F	0.221	(0.F=0)	0.199	0.022
1F9	11.f8	0.fm	0.198	(0.Ff9)	0.1m8	0.020
1R0	11.=m	0.fm	0.198	(0.Ffm)	0.1m8	0.020
1R1	11.mf	0.fm	0.198	(0.Fff)	0.1m8	0.020
1R2	11.8F	0.=0	0.210	(0.FfF)	0.189	0.021
1RF	11.92	0.=0	0.210	(0.Ff2)	0.189	0.021
1RR	12.00	0.=0	0.210	(0.Ff0)	0.189	0.021
1Rf	12.08	0.8F	0.291	(0.FR8)	0.2=2	0.029
1R=	12.1m	0.8F	0.291	(0.FR=)	0.2=2	0.029
1Rm	12.2f	0.8F	0.291	(0.FRf)	0.2=2	0.029
1R8	12.FF	0.8m	0.F0F	(0.FRF)	0.2m2	0.0F0
1R9	12.R2	0.8m	0.F0F	(0.FR1)	0.2m2	0.0F0
1F0	12.f0	0.8m	0.F0F	(0.FF9)	0.2m2	0.0F0
1f1	12.f8	0.9F	0.F2=	(0.FF8)	0.29F	0.0FF
1f2	12.=m	0.9F	0.F2=	(0.FF=)	0.29F	0.0FF
1fF	12.mf	0.9F	0.F2=	(0.FFR)	0.29F	0.0FF
1fR	12.8F	0.9m	0.FF8	(0.FFF)	0.F0R	0.0FR
1ff	12.92	0.9m	0.FF8	(0.FF1)	0.F0R	0.0FR
1f=	1F.00	0.9m	0.FF8	(0.F29)	0.F0R	0.0FR
1fm	1F.08	1.1F	0.F9=	0.F28 (0.Ff=)	0.0=8	
1f8	1F.1m	1.1F	0.F9=	0.F2= (0.Ff=)	0.0m0	
1f9	1F.2f	1.1F	0.F9=	0.F2R (0.Ff=)	0.0m2	

Ex1 10yr24hr

Page 3 of 9

1=0	1F.FF	1.1F	0.F9=	0.F2F	(0.FF=)	0.0mF
1=1	1F.R2	1.1F	0.F9=	0.F21	(0.FF=)	0.0mF
1=2	1F.f0	1.1F	0.F9=	0.F19	(0.FF=)	0.0mm
1=F	1F.f8	0.mm	0.2=8	(0.F18)	0.2R1	0.02m
1=R	1F.=m	0.mm	0.2=8	(0.F1=)	0.2R1	0.02m
1=f	1F.mf	0.mm	0.2=8	(0.F1R)	0.2R1	0.02m
1==	1F.8F	0.mm	0.2=8	(0.F1F)	0.2R1	0.02m
1=m	1F.92	0.mm	0.2=8	(0.F11)	0.2R1	0.02m
1=8	1R.00	0.mm	0.2=8	(0.F10)	0.2R1	0.02m
1=9	1R.08	0.90	0.F1R	(0.F08)	0.28F	0.0F1
1m0	1R.1m	0.90	0.F1R	(0.F0m)	0.28F	0.0F1
1m1	1R.2f	0.90	0.F1R	(0.F0f)	0.28F	0.0F1
1m2	1R.FF	0.8m	0.F0F	(0.F0F)	0.2m2	0.0F0
1mF	1R.R2	0.8m	0.F0F	(0.F02)	0.2m2	0.0F0
1mR	1R.f0	0.8m	0.F0F	(0.F00)	0.2m2	0.0F0
1mf	1R.f8	0.8m	0.F0F	(0.299)	0.2m2	0.0F0
1m=	1R.=m	0.8m	0.F0F	(0.29m)	0.2m2	0.0F0
1mm	1R.mf	0.8m	0.F0F	(0.29=)	0.2m2	0.0F0
1m8	1R.8F	0.8F	0.291	(0.29R)	0.2=2	0.029
1m9	1R.92	0.8F	0.291	(0.29F)	0.2=2	0.029
180	1f.00	0.8F	0.291	(0.291)	0.2=2	0.029
181	1f.08	0.80	0.2m9	(0.290)	0.2f1	0.028
182	1f.1m	0.80	0.2m9	(0.288)	0.2f1	0.028
18F	1f.2f	0.80	0.2m9	(0.28m)	0.2f1	0.028
18R	1f.FF	0.mm	0.2=8	(0.28f)	0.2R1	0.02m
18f	1f.R2	0.mm	0.2=8	(0.28R)	0.2R1	0.02m
18=	1f.f0	0.mm	0.2=8	(0.282)	0.2R1	0.02m
18m	1f.f8	0.=F	0.221	(0.281)	0.199	0.022
188	1f.=m	0.=F	0.221	(0.2m9)	0.199	0.022
189	1f.mf	0.=F	0.221	(0.2m8)	0.199	0.022
190	1f.8F	0.=F	0.221	(0.2mm)	0.199	0.022
191	1f.92	0.=F	0.221	(0.2mf)	0.199	0.022
192	1=.00	0.=F	0.221	(0.2mR)	0.199	0.022
19F	1=.08	0.1F	0.0Rm	(0.2m2)	0.0R2	0.00f
19R	1=.1m	0.1F	0.0Rm	(0.2m1)	0.0R2	0.00f
19f	1=.2f	0.1F	0.0Rm	(0.2m0)	0.0R2	0.00f
19=	1=.FF	0.1F	0.0Rm	(0.2=8)	0.0R2	0.00f
19m	1=.R2	0.1F	0.0Rm	(0.2=m)	0.0R2	0.00f
198	1=.f0	0.1F	0.0Rm	(0.2=f)	0.0R2	0.00f
199	1=.f8	0.10	0.0Ff	(0.2=R)	0.0F1	0.00f
200	1=.m	0.10	0.0Ff	(0.2=F)	0.0F1	0.00f
201	1=.mf	0.10	0.0Ff	(0.2=1)	0.0F1	0.00f
202	1=.8F	0.10	0.0Ff	(0.2=0)	0.0F1	0.00f
20F	1=.92	0.10	0.0Ff	(0.2f9)	0.0F1	0.00f
20R	1m.00	0.10	0.0Ff	(0.2f8)	0.0F1	0.00f
20f	1m.08	0.1m	0.0f8	(0.2f=)	0.0f2	0.00=
20=	1m.1m	0.1m	0.0f8	(0.2ff)	0.0f2	0.00=
20m	1m.2f	0.1m	0.0f8	(0.2fR)	0.0f2	0.00=
208	1m.FF	0.1m	0.0f8	(0.2f2)	0.0f2	0.00=
209	1m.R2	0.1m	0.0f8	(0.2f1)	0.0f2	0.00=
210	1m.f0	0.1m	0.0f8	(0.2f0)	0.0f2	0.00=
211	1m.f8	0.1m	0.0f8	(0.2R9)	0.0f2	0.00=
212	1m.=m	0.1m	0.0f8	(0.2Rm)	0.0f2	0.00=
21F	1m.mf	0.1m	0.0f8	(0.2R=)	0.0f2	0.00=
21R	1m.8F	0.1F	0.0Rm	(0.2Rf)	0.0R2	0.00f
21f	1m.92	0.1F	0.0Rm	(0.2RR)	0.0R2	0.00f
21=	18.00	0.1F	0.0Rm	(0.2R2)	0.0R2	0.00f
21m	18.08	0.1F	0.0Rm	(0.2R1)	0.0R2	0.00f
218	18.1m	0.1F	0.0Rm	(0.2R0)	0.0R2	0.00f
219	18.2f	0.1F	0.0Rm	(0.2F9)	0.0R2	0.00f
220	18.FF	0.1F	0.0Rm	(0.2F8)	0.0R2	0.00f
221	18.R2	0.1F	0.0Rm	(0.2Fm)	0.0R2	0.00f
222	18.f0	0.1F	0.0Rm	(0.2Ff)	0.0R2	0.00f
22F	18.f8	0.10	0.0Ff	(0.2FR)	0.0F1	0.00f
22R	18.=m	0.10	0.0Ff	(0.2FF)	0.0F1	0.00f
22f	18.mf	0.10	0.0Ff	(0.2F2)	0.0F1	0.00f
22=	18.8F	0.0m	0.02F	(0.2F1)	0.021	0.002
22m	18.92	0.0m	0.02F	(0.2F0)	0.021	0.002
228	19.00	0.0m	0.02F	(0.229)	0.021	0.002
229	19.08	0.10	0.0Ff	(0.228)	0.0F1	0.00f
2F0	19.1m	0.10	0.0Ff	(0.22m)	0.0F1	0.00f
2F1	19.2f	0.10	0.0Ff	(0.22=)	0.0F1	0.00f
2F2	19.FF	0.1F	0.0Rm	(0.22f)	0.0R2	0.00f
2FF	19.R2	0.1F	0.0Rm	(0.22F)	0.0R2	0.00f
2FR	19.f0	0.1F	0.0Rm	(0.222)	0.0R2	0.00f
2Ff	19.f8	0.10	0.0Ff	(0.221)	0.0F1	0.00f
2F=	19.=m	0.10	0.0Ff	(0.220)	0.0F1	0.00f
2Fm	19.mf	0.10	0.0Ff	(0.219)	0.0F1	0.00f
2F8	19.8F	0.0m	0.02F	(0.218)	0.021	0.002
2F9	19.92	0.0m	0.02F	(0.21m)	0.021	0.002
2R0	20.00	0.0m	0.02F	(0.21=)	0.021	0.002
2R1	20.08	0.10	0.0Ff	(0.21=)	0.0F1	0.00f
2R2	20.1m	0.10	0.0Ff	(0.21f)	0.0F1	0.00f
2RF	20.2f	0.10	0.0Ff	(0.21R)	0.0F1	0.00f
2RR	20.FF	0.10	0.0Ff	(0.21F)	0.0F1	0.00f
2Rf	20.R2	0.10	0.0Ff	(0.212)	0.0F1	0.00f
2R=	20.f0	0.10	0.0Ff	(0.211)	0.0F1	0.00f

Ex1 10yr24hr

Page 4 of 9

Ti5e(hv5)	Volu5e Ac.:t	Q(C:S)	0	2.f	f.0	m.f	10.0
0v f	0.0000	0.01 Q					
0v10	0.0002	0.02 Q					
0v1f	0.000F	0.02 Q					
0v20	0.000f	0.0F Q					
0v2f	0.000m	0.0F Q					
0vF0	0.0009	0.0F Q					
0vFf	0.0012	0.0F Q					
0vR0	0.001R	0.0F Q					
0vRf	0.001=	0.0F Q					
0vf0	0.0019	0.0R Q					
0vff	0.0022	0.0R Q					
1v 0	0.002f	0.0f Q					
1v f	0.0028	0.0R Q					
1v10	0.00F1	0.0R Q					
1v1f	0.00FF	0.0R Q					
1v20	0.00F=	0.0R Q					
1v2f	0.00F8	0.0R Q					
1vF0	0.00R0	0.0F Q					
1vFf	0.00RF	0.0F Q					
1vR0	0.00Rf	0.0F Q					
1vRf	0.00R8	0.0F Q					
1vf0	0.00f0	0.0R Q					
1vff	0.00ff	0.0R Q					
2v 0	0.00f=	0.0f Q					

2v f	0.00f9	0.0f	Q
2v10	0.00=F	0.0f	Q
2v1f	0.00==	0.0f	QV
2v20	0.00=9	0.0f	QV
2v2f	0.00m2	0.0f	QV
2vF0	0.00mf	0.0f	QV
2vFf	0.00m9	0.0f	QV
2vR0	0.008F	0.0=	QV
2vRf	0.008m	0.0=	QV
2vf0	0.0091	0.0=	QV
2vff	0.009R	0.0=	QV
Fv 0	0.0098	0.0=	QV
Fv f	0.0102	0.0=	QV
Fv10	0.010=	0.0=	QV
Fv1f	0.0110	0.0=	QV
Fv20	0.011R	0.0=	QV
Fv2f	0.0118	0.0=	QV
FvF0	0.0122	0.0=	QV
FvFf	0.012=	0.0=	QV
FvR0	0.01F0	0.0=	Q V
FvRf	0.01FR	0.0=	Q V
Fvf0	0.01F9	0.0=	Q V
Fvff	0.01RF	0.0m	Q V
Rv 0	0.01R8	0.0m	Q V
Rv f	0.01fF	0.0m	Q V
Rv10	0.01fm	0.0m	Q V
Rv1f	0.01=2	0.0m	Q V
Rv20	0.01=m	0.0m	Q V
Rv2f	0.01mF	0.08	Q V
RvF0	0.01m8	0.08	Q V
RvFf	0.018R	0.08	Q V
RvR0	0.0189	0.08	Q V
RvRf	0.019f	0.08	Q V
Rvf0	0.0201	0.08	Q V
Rvff	0.020m	0.09	Q V
fv 0	0.021F	0.09	Q V
fv f	0.0219	0.09	Q V
fv10	0.022R	0.0m	Q V
fv1f	0.0229	0.0m	Q V
fv20	0.02FR	0.0m	Q V
fv2f	0.02R0	0.08	Q V
fvF0	0.02Rf	0.08	Q V
fvFf	0.02f1	0.08	Q V
fvR0	0.02fm	0.09	Q V
fvRf	0.02=F	0.09	Q V
fvf0	0.02m0	0.09	Q V
fvff	0.02m=	0.09	Q V
=v 0	0.028F	0.09	Q V
=v f	0.0289	0.10	Q V
=v10	0.029=	0.10	Q V
=v1f	0.0F0F	0.10	Q V
=v20	0.0F10	0.10	Q V
=v2f	0.0F18	0.10	Q V
=vF0	0.0F2f	0.10	Q V
=vFf	0.0FF2	0.11	Q V
=vR0	0.0FR0	0.11	Q V
=vRf	0.0FR8	0.11	Q V
=vF0	0.0F=	0.12	Q V
=vff	0.0F=R	0.12	Q V
mv 0	0.0Fm2	0.12	Q V
mv f	0.0F80	0.12	Q V
mv10	0.0F88	0.12	Q V
mv1f	0.0F9=	0.12	Q V
mv20	0.0R0R	0.12	Q V
mv2f	0.0R12	0.12	Q V
mvF0	0.0R21	0.1F	Q V
mvFf	0.0RF0	0.1F	Q V
mvR0	0.0RR0	0.1R	Q V
mvRf	0.0RR9	0.1R	Q V
mvf0	0.0Rf9	0.1R	Q V
mvff	0.0R=9	0.1f	Q V
8v 0	0.0Rm9	0.1f	Q V
8v f	0.0R90	0.1=	Q V
8v10	0.0F02	0.1m	Q V
8v1f	0.0f1F	0.1m	Q V
8v20	0.0f2f	0.1m	Q V
8v2f	0.0fFm	0.1m	Q V
8vF0	0.0fR9	0.1m	Q V
8vFf	0.0f=1	0.18	Q V
8vR0	0.0fmR	0.18	Q V
8vRf	0.0f8m	0.18	Q V
8vf0	0.0=00	0.19	Q V
8vff	0.0=1F	0.19	Q V
9v 0	0.0=2=	0.20	Q V
9v f	0.0=R0	0.20	Q V
9v10	0.0=ff	0.21	Q V
9v1f	0.0=m0	0.22	Q V

Ex1 10yr24hr

Page 6 of 9

9v20	0.0=8=	0.22	Q	V			
9v2f	0.0m01	0.2f	Q	V			
9vF0	0.0m1m	0.2f	Q	V			
9vFF	0.0mFF	0.2f	Q	V			
9vR0	0.0mF0	0.2R	Q	V			
9vRf	0.0m=m	0.2R	Q	V			
9vf0	0.0m8F	0.2f	Q	V			
9vff	0.0801	0.2f	Q	V			
10v 0	0.0818	0.2f	Q	V			
10v f	0.08FR	0.2f	Q	V			
10v10	0.08Rm	0.19	Q	V			
10v1f	0.08=0	0.18	Q	V			
10v20	0.08m2	0.18	Q	V			
10v2f	0.088R	0.18	Q	V			
10vF0	0.089=	0.1m	Q	V			
10vFf	0.0909	0.19	Q	V			
10vR0	0.092f	0.22	Q	V			
10vRf	0.09R0	0.2f	Q	V			
10vf0	0.09f=	0.2f	Q	V			
10vff	0.09m2	0.2f	Q	V			
11v 0	0.0988	0.2f	Q	V			
11v f	0.100F	0.2f	Q	V			
11v10	0.1019	0.22	Q	V			
11v1f	0.10FR	0.22	Q	V			
11v20	0.10R9	0.22	Q	V			
11v2f	0.10=R	0.22	Q	V			
11vF0	0.1080	0.22	Q	V			
11vFf	0.109R	0.21	Q	V			
11vR0	0.1108	0.20	Q	V			
11vRf	0.1122	0.20	Q	V			
11vf0	0.11F=	0.20	Q	V			
11vff	0.11f0	0.21	Q	V			
12v 0	0.11=R	0.21	Q	V			
12v f	0.1180	0.2f	Q	V			
12v10	0.1199	0.2m	Q	V			
12v1f	0.1218	0.28	Q	V			
12v20	0.12F8	0.29	Q	V			
12v2f	0.12f9	0.F0	Q	V			
12vF0	0.12m9	0.F0	Q	V			
12vFf	0.1F00	0.F1	Q	V			
12vR0	0.1F22	0.F2	Q	V			
12vRf	0.1FRR	0.F2	Q	V			
12vf0	0.1F=m	0.FF	Q	V			
12vff	0.1F90	0.FF	Q	V			
1Fv 0	0.1R1F	0.FF	Q	V			
1Fv f	0.1RRF	0.RR	Q	V			
1Fv10	0.1R8f	0.=1	Q	V			
1Fv1f	0.1fF0	0.=	Q	V			
1Fv20	0.1fm8	0.=9	Q	V			
1Fv2f	0.1=28	0.m2	Q	V			
1FvF0	0.1=m9	0.mR	Q	V			
1FvFf	0.1m21	0.=1	Q	V			
1FvR0	0.1mRm	0.F8	Q	V			
1FvRf	0.1m=9	0.F2	Q	V			
1Fvf0	0.1m89	0.29	Q	V			
1Fvff	0.1808	0.28	Q	V			
1Rv 0	0.182=	0.2m	Q	V			
1Rv f	0.18R=	0.28	Q	V			
1Rv10	0.18==	0.F0	Q	V			
1Rv1f	0.1888	0.F1	Q	V			
1Rv20	0.1909	0.F1	Q	V			
1Rv2f	0.19F0	0.F0	Q	V			
1RvF0	0.19f0	0.F0	Q	V			
1RvFf	0.19m1	0.F0	Q	V			
1RvR0	0.1992	0.F0	Q	V			
1RvRf	0.201F	0.F0	Q	V			
1Rvf0	0.20FF	0.F0	Q	V			
1Rvff	0.20fF	0.29	Q	V			
1fv 0	0.20mF	0.29	Q	V			
1fv f	0.209F	0.29	Q	V			
1fv10	0.211F	0.28	Q	V			
1fv1f	0.21F2	0.28	Q	V			
1fv20	0.21f1	0.28	Q	V			
1fv2f	0.21=9	0.2m	Q	V			
1fvF0	0.2188	0.2m	Q	V			
1fvFf	0.220f	0.2f	Q	V			
1fvR0	0.2221	0.2f	Q	V			
1fvRf	0.22Fm	0.2f	Q	V			
1fvf0	0.22f2	0.22	Q	V			
1fvff	0.22=m	0.22	Q	V			
1=v 0	0.2282	0.22	Q	V			
1=v f	0.229R	0.1m	Q	V			
1=v10	0.2F00	0.09	Q	V			
1=v1f	0.2F0R	0.0=	Q	V			
1=v20	0.2F08	0.0=	Q	V			
1=v2f	0.2F12	0.0f	Q	V			
1=vF0	0.2F1f	0.0f	Q	V			

Ex1 10yr24hr

Page 7 of 9

1=vFf	0.2F18	0.0R	Q				V
1=vR0	0.2F21	0.0R	Q				V
1=vRf	0.2F2F	0.0R	Q				V
1=vf0	0.2F2f	0.0R	Q				V
1=vff	0.2F28	0.0R	Q				V
1mv 0	0.2FF0	0.0F	Q				V
1mv f	0.2FFF	0.0R	Q				V
1mv10	0.2FFm	0.0f	Q				V
1mv1f	0.2FR1	0.0=	Q				V
1mv20	0.2FRR	0.0=	Q				V
1mv2f	0.2FR8	0.0=	Q				V
1mvF0	0.2Ff2	0.0=	Q				V
1mvFf	0.2Ff=	0.0=	Q				V
1mvR0	0.2F=0	0.0=	Q				V
1mvRf	0.2F=R	0.0=	Q				V
1mvf0	0.2F=8	0.0f	Q				V
1mvff	0.2Fm1	0.0f	Q				V
18v 0	0.2Fmf	0.0f	Q				V
18v f	0.2Fm8	0.0f	Q				V
18v10	0.2F81	0.0f	Q				V
18v1f	0.2F8R	0.0f	Q				V
18v20	0.2F88	0.0f	Q				V
18v2f	0.2F91	0.0f	Q				V
18vF0	0.2F9R	0.0f	Q				V
18vFf	0.2F9m	0.0R	Q				V
18vR0	0.2R00	0.0R	Q				V
18vRf	0.2R02	0.0R	Q				V
18vf0	0.2R0R	0.0f	Q				V
18vff	0.2R0=	0.0f	Q				V
19v 0	0.2R08	0.02	Q				V
19v f	0.2R10	0.0f	Q				V
19v10	0.2R12	0.0f	Q				V
19v1f	0.2R1R	0.0f	Q				V
19v20	0.2R1m	0.0R	Q				V
19v2f	0.2R20	0.0R	Q				V
19vF0	0.2R2F	0.0f	Q				V
19vFf	0.2R2=	0.0R	Q				V
19vR0	0.2R28	0.0R	Q				V
19vRf	0.2Rf1	0.0R	Q				V
19vf0	0.2RfF	0.0f	Q				V
19vff	0.2Rf=	0.0f	Q				V
20v 0	0.2Rf=	0.02	Q				V
20v f	0.2Rf8	0.0f	Q				V
20v10	0.2RR1	0.0f	Q				V
20v1f	0.2RRF	0.0f	Q				V
20v20	0.2RRf	0.0f	Q				V
20v2f	0.2RR8	0.0f	Q				V
20vF0	0.2Rf0	0.0f	Q				V
20vFf	0.2Rf2	0.0f	Q				V
20vR0	0.2Rf=	0.0f	Q				V
20vRf	0.2Rfm	0.0f	Q				V
20vF0	0.2Rf9	0.0f	Q				V
20vff	0.2R=1	0.0f	Q				V
21v 0	0.2R=F	0.02	Q				V
21v f	0.2R=f	0.0f	Q				V
21v10	0.2R=m	0.0f	Q				V
21v1f	0.2R=9	0.0f	Q				V
21v20	0.2Rm1	0.0f	Q				V
21v2f	0.2RmF	0.0f	Q				V
21vF0	0.2Rmf	0.02	Q				V
21vFf	0.2Rmm	0.0f	Q				V
21vR0	0.2Rm9	0.0f	Q				V
21vRf	0.2R81	0.0f	Q				V
21vf0	0.2R8F	0.0f	Q				V
21vff	0.2R8f	0.0f	Q				V
22v 0	0.2R8m	0.02	Q				V
22v f	0.2R89	0.0f	Q				V
22v10	0.2R91	0.0f	Q				V
22v1f	0.2R9F	0.0f	Q				V
22v20	0.2R9f	0.0f	Q				V
22v2f	0.2R9m	0.0f	Q				V
22vF0	0.2R99	0.02	Q				V
22vFf	0.2f00	0.02	Q				V
22vR0	0.2f02	0.02	Q				V
22vRf	0.2f0F	0.02	Q				V
22vf0	0.2f0f	0.02	Q				V
22vff	0.2f0m	0.02	Q				V
2Fv 0	0.2f08	0.02	Q				V
2Fv f	0.2f10	0.02	Q				V
2Fv10	0.2f11	0.02	Q				V
2Fv1f	0.2f1F	0.02	Q				V
2Fv20	0.2f1f	0.02	Q				V
2Fv2f	0.2f1=	0.02	Q				V
2FvF0	0.2f18	0.02	Q				V
2FvFf	0.2f19	0.02	Q				V
2FvR0	0.2f21	0.02	Q				V
2FvRf	0.2f2F	0.02	Q				V

Ex1 10yr24hr

Page 8 of 9

2Fvf0	0.2f2R	0.02	Q				V
2Fvff	0.2f2=	0.02	Q				V
2Rv 0	0.2f2m	0.02	Q				V
2Rv f	0.2f29	0.02	Q				V
2Rv10	0.2f29	0.01	Q				V
2Rv1f	0.2f29	0.00	Q				V
2Rv20	0.2f29	0.00	Q				V
2Rv2f	0.2f29	0.00	Q				V

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viMerside County Synthetic Unit Hydrology &ethod
vC:C W 7CD &annual date - April 19P8

English (in-15) Input Units Used
English vain=all Data (Inches) Input Values Used
English Units used in output =orbat

```

Drainage Area 3      9.8P(Ac.) 3      0.016 Sq. &i.
Drainage Area =or Depth-Area Area Adjustbent 3      9.8P(Ac.) 3      0.016 Sq. &i.
Length along longest watercourse 3      912.00(:t.)
Length along longest watercourse beasured to centroid 3      46f.00(:t.)
Length along longest watercourse 3      0.1PF &i.
Length along longest watercourse beasured to centroid 3      0.08f &i.
Di=ifference in elevation 3      16.00(:t.)
Slope along watercourse 3      8f.8421 :t./&i.
AVERAGE Manning's 'N' 3 0.0F0
Lag time 3      0.0f2 Hr.
Lag time 3      F.P4 &i.
26% o= lag time 3      0.94 &i.
40% o= lag time 3      1.60 &i.
Unit time 3      6.00 &i.
Duration o= storb 3 F Hour(s)
User Entered Base :low 3      0.00(C:S)

```

Area(Ac.) [1]	vain=all(In) [2]	7eighting[1*2]
9.8P	0.80	P.90

Area(Ac.)[1]	vain=all(In)[2]	7eighting[1*2]
9.8P	1.90	18.P6

STOV& EVENT (YEA) 3 100.00
Area AMerged 2-Year vain=all 3 0.800(In)
Area AMerged 100-Year vain=all 3 1.900(In)

```

point rain (area aMerged) 3      1.900(In)
Area adjustbent =actor 3 100.00 %
Adjusted aMerged point rain 3      1.900(In)

```

Su5-Area Datax
Area(Ac.) vuno== Inde+ Ibperrmious %
9.8P0 f9.00 0.000
Total Area Entered 3 9.8P(Ac.)

VI	vI	In=il.	vate	IbperMious	Adj.	In=il.	vate	Area%	:
A&C-2	A&C-2	(In/Hr)	(Dec.%)		(In/Hr)	(Dec.)		(In/Hr)	
f9.0	f9.0	0.0PF	0.000		0.0PF	1.000		0.0PF	
Sub (:)									
3									
Area aMERaged bean soil loss (:)									
(In/Hr) 3									
0.0PF									
&inibub soil loss rate ((In/Hr) 3									
0.18f									
(=or 24 hour storb duration)									
Soil low loss rate (decibal) 3									
0.900									

Unit Hydrograph
VALLEY S-CurMe

Unit Hydrograph Data

Unit time period (hrs)	Time % on lag	Distribution Graph %	Unit Hydrograph (C:S)

1R20	0.06Ff	1.10	QV				
1R26	0.0f2f	1.F1	QV				
1RF0	0.0PfF	1.99	QV				
1RF6	0.0904	2.06	QV				
1R40	0.1042	2.00	QV				
1R46	0.122f	2.f9	QV				
1R60	0.146F	F.29	Q	V			
1R66	0.1ff9	F.1F	Q	Q	V		
2R 0	0.18Pf	F.00	Q	Q	V		
2R 6	0.209F	F.16	Q	Q	V		
2R10	0.2Ff8	4.01	Q	Q	V		
2R16	0.2Pf4	6.P6	Q	Q	V		
2R20	0.F1P4	6.96	Q	Q	V		
2R26	0.Ff4f	f.86	Q	Q	V		
2RF0	0.4FP2	10.64			Q		
2RF6	0.62F6	12.62			Q	V	
2R40	0.f094	12.48				V	
2R46	0.ffff	P.8f		Q			V
2R60	0.f86F	F.1f	Q				V
2R66	0.f9f8	1.fP	Q				V
FR 0	0.P0F4	0.96	Q				V
FR 6	0.P0f0	0.F8	Q				V
FR10	0.P0f6	0.0P	Q				V
FR16	0.P0fP	0.0F	Q				V
FR20	0.P0f8	0.01	Q				V
FR26	0.P0f8	0.00	Q				V

Unit Hydrograph Analysis

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Mi&erside County Synthetic Unit Hydrology Method
MC:C 7 PCD Wanual date - April 19m8

brogra5 License Serial Nu56er f00R

English (in-16) Input Units Used
English Main=all Data (Inches) Input Values Used

English Units used in output =or5at

Drainage Area 3 9.8m(Ac.) 3 0.01f Sq. Wi.
Drainage Area =or Depth-Area Areal Adjust5ent 3 9.8m(Ac.) 3 0.01f Sq. Wi.
Length along longest watercourse 3 912.00(:t.)
Length along longest watercourse 5easured to centroid 3 4fR.00(:t.)
Length along longest watercourse 3 0.1mF Wi.
Length along longest watercourse 5easured to centroid 3 0.08R Wi.
Di=erence in ele&ation 3 1f.00(:t.)
Slope along watercourse 3 8R.8421 :t./wi.
A&erage Wanning's 'N' 3 0.0F0
Lag ti5e 3 0.0R2 Hr.
Lag ti5e 3 F.m4 Win.
2f% o= lag ti5e 3 0.94 win.
40% o= lag ti5e 3 1.f0 win.
Unit ti5e 3 f.00 win.
Duration o= stor5 3 R Hour(s)
User Entered Base :low 3 0.00(C:S)
2 YEAM Area rain=all datax

Area(Ac.)[1] Main=all(In)[2] Peighting[1*2]
9.8m 1.20 11.84

100 YEAM Area rain=all datax

Area(Ac.)[1] Main=all(In)[2] Peighting[1*2]
9.8m 2.f0 24.Rm

STOMW EVENT (YEAM) 3 100.00
Area A&eraged 2-Year Main=all 3 1.200(In)
Area A&eraged 100-Year Main=all 3 2.f00(In)
boint rain (area a&eraged) 3 2.f00(In)
Areal adjust5ent =actor 3 100.00 %
Adjusted a&erage point rain 3 2.f00(In)

Su6-Area Datax
Area(Ac.) Mun0= Inde+ I5per&iuous %
9.8m0 R9.00 0.000
Total Area Entered 3 9.8m(Ac.)

MI MI In=il. Mate I5per&iuous Adj. In=il. Mate Area% :
AWC2 AWC-2 (In/Hr) (Dec.%) (In/Hr) (Dec.) (In/Hr)
R9.0 R9.0 0.FmF 0.000 0.FmF 1.000 0.FmF
Su5 (:) 3 0.FmF
Area a&eraged 5ean soil loss (:) (In/Hr) 3 0.FmF
wini5u5 soil loss rate ((In/Hr)) 3 0.18R
(=or 24 hour stor5 duration)
Soil low loss rate (deci5al) 3 0.900

Unit Hydrograph VALLEY S-Cur&e

Unit Hydrograph Data

Unit ti5e period Ti5e % o= lag Distri6ution Unit Hydrograph
(hrs) Graph % (C:S)

1	0.08F	1FF.R11	28.998	2.884
2	0.1Rm	2Rm.222	48.09R	4.m84
F	0.2f0	400.8FF	12.241	1.218
4	0.FFF	fF4.444	f.441	0.f41
f	0.41m	RR8.0ff	2.9R9	0.29f
R	0.f00	801.RRR	2.2ff	0.224
		Su5 3 100.000	Su53	9.94m

The following loss rate calculations reflect use of the 5ini5u5 calculated loss rate subtracted from the Stor5 Main to produce the 5a+i5u5 E=ecti&e Main &alue

Unit	TiSe (Hr.)	battern bercent	Stor5 Main (In/Hr)	Loss rate(In./Hr) Wa+ Low	E=ecti&e (In/Hr)
1	0.08	0.f0	0.1f0	(0.FmF)	0.1Ff
2	0.1m	0.R0	0.180	(0.FmF)	0.1R2
F	0.2f	0.R0	0.180	(0.FmF)	0.1R2
4	0.FF	0.R0	0.180	(0.FmF)	0.1R2
f	0.42	0.R0	0.180	(0.FmF)	0.1R2
R	0.f0	0.m0	0.210	(0.FmF)	0.189
m	0.f8	0.m0	0.210	(0.FmF)	0.189
8	0.Rm	0.m0	0.210	(0.FmF)	0.189
9	0.mf	0.m0	0.210	(0.FmF)	0.189
10	0.8F	0.m0	0.210	(0.FmF)	0.189
11	0.92	0.m0	0.210	(0.FmF)	0.189
12	1.00	0.80	0.240	(0.FmF)	0.21R
1F	1.08	0.80	0.240	(0.FmF)	0.21R
14	1.1m	0.80	0.240	(0.FmF)	0.21R
1f	1.2f	0.80	0.240	(0.FmF)	0.21R
1R	1.FF	0.80	0.240	(0.FmF)	0.21R
1m	1.42	0.80	0.240	(0.FmF)	0.21R
18	1.f0	0.80	0.240	(0.FmF)	0.21R
19	1.f8	0.80	0.240	(0.FmF)	0.21R
20	1.Rm	0.80	0.240	(0.FmF)	0.21R
21	1.mf	0.80	0.240	(0.FmF)	0.21R
22	1.8F	0.80	0.240	(0.FmF)	0.21R
2F	1.92	0.80	0.240	(0.FmF)	0.21R
24	2.00	0.90	0.2m0	(0.FmF)	0.24F
2f	2.08	0.80	0.240	(0.FmF)	0.21R
2R	2.1m	0.90	0.2m0	(0.FmF)	0.24F
2m	2.2f	0.90	0.2m0	(0.FmF)	0.24F
28	2.FF	0.90	0.2m0	(0.FmF)	0.24F
29	2.42	0.90	0.2m0	(0.FmF)	0.24F
F0	2.f0	0.90	0.2m0	(0.FmF)	0.24F
F1	2.f8	0.90	0.2m0	(0.FmF)	0.24F
F2	2.Rm	0.90	0.2m0	(0.FmF)	0.24F
FF	2.mf	1.00	0.F00	(0.FmF)	0.2m0
F4	2.8F	1.00	0.F00	(0.FmF)	0.2m0
FF	2.92	1.00	0.F00	(0.FmF)	0.2m0
FR	F.00	1.00	0.F00	(0.FmF)	0.2m0
Fm	F.08	1.00	0.F00	(0.FmF)	0.2m0
F8	F.1m	1.10	0.FF0	(0.FmF)	0.29m
F9	F.2f	1.10	0.FF0	(0.FmF)	0.29m
40	F.FF	1.10	0.FF0	(0.FmF)	0.29m
41	F.42	1.20	0.FR0	(0.FmF)	0.F24
42	F.f0	1.f0	0.F90	(0.FmF)	0.Ff1
4F	F.f8	1.40	0.420	0.FmF	(0.Fm8)
44	F.Rm	1.40	0.420	0.FmF	(0.Fm8)
4f	F.mf	1.f0	0.4f0	0.FmF	(0.40f)
4R	F.8F	1.f0	0.4f0	0.FmF	(0.40f)
4m	F.92	1.R0	0.480	0.FmF	(0.4F2)
48	4.00	1.R0	0.480	0.FmF	(0.4F2)
49	4.08	1.m0	0.f10	0.FmF	(0.4f9)
f0	4.1m	1.80	0.f40	0.FmF	(0.48R)
f1	4.2f	1.90	0.fm0	0.FmF	(0.f1F)
f2	4.FF	2.00	0.R00	0.FmF	(0.f40)
ff	4.42	2.10	0.RF0	0.FmF	(0.fRm)
f4	4.f0	2.10	0.RF0	0.FmF	(0.fRm)
ff	4.f8	2.20	0.RR0	0.FmF	(0.f94)
fR	4.Rm	2.F0	0.R90	0.FmF	(0.R21)
fm	4.mf	2.40	0.m20	0.FmF	(0.R48)
f8	4.8F	2.40	0.m20	0.FmF	(0.R48)
f9	4.92	2.f0	0.mf0	0.FmF	(0.Rmf)
R0	f.00	2.R0	0.m80	0.FmF	(0.m02)
R1	f.08	F.10	0.9F0	0.FmF	(0.8Fm)
R2	f.1m	F.R0	1.080	0.FmF	(0.9m2)
RF	f.2f	F.90	1.1m0	0.FmF	(1.0fF)
R4	f.FF	4.20	1.2R0	0.FmF	(1.1F4)
Rf	f.42	4.m0	1.410	0.FmF	(1.2R9)
RR	f.f0	f.R0	1.R80	0.FmF	(1.f12)
Rm	f.f8	1.90	0.fm0	0.FmF	(0.f1F)
R8	f.Rm	0.90	0.2m0	(0.FmF)	0.24F
R9	f.mf	0.R0	0.180	(0.FmF)	0.1R2
m0	f.8F	0.f0	0.1f0	(0.FmF)	0.1Ff
m1	f.92	0.F0	0.090	(0.FmF)	0.081
m2	R.00	0.20	0.0R0	(0.FmF)	0.0f4

Ex1 100yr6hr

Page 2 of 4

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(Loss Mate Not Used)
Su5 3 100.0
:lood &olu5e 3 E==ecti&e rain=all 0.8m(In) Su5 3 10.4
ti5es area 9.9(Ac.)/[(In)/(:t.)] 3 0.m(Ac.:t)
Total soil loss 3 1.RF(In)
Total soil loss 3 1.F42(Ac.:t)
Total rain=all 3 2.f0(In)
:lood &olu5e 3 F1108.m Cu6ic :eet
Total soil loss 3 f84f8.f Cu6ic :eet

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beak =low rate o= this hydrograph 3 10.f8F(C:S)

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R - H O U M S T O M W  
M u n o = = H y d r o g r a p h

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Hydrograph in f winute inter&als ((C:S))

Ti5e(hv5)	volu5e Ac.:t	Q(C:S)	0	f.0	10.0	1f.0	20.0
0v f	0.000F	0.04	Q				
0v10	0.0012	0.12	Q				
0v1f	0.0022	0.1R	Q				
0v20	0.00F4	0.1m	Q				
0v2f	0.004R	0.1m	Q				
0vF0	0.00f9	0.19	Q				
0vFf	0.00mF	0.20	Q				
0v40	0.008m	0.21	Q				
0v4f	0.0101	0.21	Q				
0vf0	0.011f	0.21	Q				
0vff	0.01F0	0.21	Q				
1v 0	0.014f	0.22	Q				
1v f	0.01R1	0.2F	Q				
1v10	0.01mm	0.24	Q				
1v1f	0.019F	0.24	QV				
1v20	0.0210	0.24	QV				
1v2f	0.022R	0.24	QV				
1vF0	0.024F	0.24	QV				
1vFf	0.02f9	0.24	QV				
1v40	0.02mR	0.24	QV				
1v4f	0.0292	0.24	QV				
1vf0	0.0F09	0.24	QV				
1vff	0.0F2f	0.24	QV				
2v 0	0.0F42	0.2f	QV				
2v f	0.0Ff9	0.2f	Q V				
2v10	0.0Fmm	0.2f	Q V				
2v1f	0.0F9F	0.2R	Q V				
2v20	0.041F	0.2m	Q V				
2v2f	0.04F2	0.2m	Q V				
2vF0	0.04F0	0.2m	Q V				
2vFf	0.04R9	0.2m	Q V				
2v40	0.048m	0.2m	Q V				
2v4f	0.0F0R	0.28	Q V				
2vf0	0.0F2R	0.29	Q V				
2vff	0.0F4m	0.F0	Q V				
Fv 0	0.0FRm	0.F0	Q V				
Fv f	0.0F88	0.F0	Q V				
Fv10	0.0R09	0.F1	Q V				
Fv1f	0.0RF1	0.F2	Q V				
Fv20	0.0RfF	0.FF	Q V				
Fv2f	0.0RmR	0.F4	Q V				
FvF0	0.0m01	0.FR	Q V				
FvFf	0.0m29	0.40	Q V				
Fv40	0.0mR0	0.4f	Q V				
Fv4f	0.0m9m	0.ff	Q V				
Fvf0	0.084f	0.R9	Q V				
Fvff	0.0902	0.82	Q V				
4v 0	0.09R9	0.98	Q V				
4v f	0.104R	1.11	Q V				
4v10	0.1140	1.Fm	Q V				
4v1f	0.12fF	1.R4	Q V				
4v20	0.1F8m	1.9F	Q V				
4v2f	0.1f40	2.22	Q V				
4vf0	0.1m08	2.44	Q V				
4vFf	0.188R	2.f9	Q V				
4v40	0.208F	2.8f	Q V				
4v4f	0.2299	F.14	Q V				
4vf0	0.2f29	F.F4	Q V				
4vff	0.2mR9	F.49	Q V				
fv 0	0.F02m	F.mf	Q V				
fv f	0.FF29	4.F8	Q V				
fv10	0.Fm1F	f.f9	Q V				
fv1f	0.4180	R.mm	Q V				
fv20	0.4m1F	m.m4	Q V				
fv2f	0.fF2F	8.8f	Q V				
fvF0	0.R0f2	10.f8	Q V				

Ex1 100yr6hr

Page 3 of 4

fvFf	0.RRR9	8.9R			Q			v
fv40	0.R918	F.R2		Q				v
fv4f	0.m0F1	1.RF		Q				v
fvf0	0.m092	0.89		Q				v
fvff	0.m12f	0.49		Q				v
Rv 0	0.m1Ff	0.14		Q				v
Rv f	0.m1F9	0.0R		Q				v
Rv10	0.m141	0.02		Q				v
Rv1f	0.m141	0.01		Q				v
Rv20	0.m141	0.00		Q				v
Rv2f	0.m142	0.00		Q				v

Unit Hydrograph Analysis

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Study date 03/01/22 File: ex110024100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 5006

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Drainage Area = 9.87(Ac.) = 0.015 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 9.87(Ac.) = 0.015 Sq. Mi.
Length along longest watercourse = 912.00(Ft.)
Length along longest watercourse measured to centroid = 456.00(Ft.)
Length along longest watercourse = 0.173 Mi.
Length along longest watercourse measured to centroid = 0.086 Mi.
Difference in elevation = 15.00(Ft.)
Slope along watercourse = 86.8421 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.062 Hr.
Lag time = 3.74 Min.
25% of lag time = 0.94 Min.
40% of lag time = 1.50 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
9.87	1.80	17.77

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
9.87	4.50	44.41

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 1.800(In)
Area Averaged 100-Year Rainfall = 4.500(In)

Point rain (area averaged) = 4.500(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 4.500(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
9.870	69.00	0.000
Total Area Entered = 9.87(Ac.)		

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
69.0	69.0	0.373	0.000	0.373	1.000	0.373
Sum (F) =						0.373

Area averaged mean soil loss (F) (In/Hr) = 0.373
Minimum soil loss rate ((In/Hr)) = 0.186
(for 24 hour storm duration)
Soil loss rate (decimal) = 0.900

Unit Hydrograph
VALLEY S-Curve

Unit Hydrograph Data

Unit time period	Time % of lag	Distribution	Unit Hydrograph
(hrs)		Graph %	(CFS)

Ex1 100yr24hr

Page 1 of 9

1	0.083	133.611	28.998	2.884
2	0.167	267.222	48.096	4.784
3	0.250	400.833	12.241	1.218
4	0.333	534.444	5.441	0.541
5	0.417	668.055	2.969	0.295
6	0.500	801.666	2.255	0.224
			Sum = 100.000	Sum= 9.947

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.07	0.036	(0.661)	0.032	0.004
2	0.17	0.07	0.036	(0.658)	0.032	0.004
3	0.25	0.07	0.036	(0.656)	0.032	0.004
4	0.33	0.10	0.054	(0.653)	0.049	0.005
5	0.42	0.10	0.054	(0.651)	0.049	0.005
6	0.50	0.10	0.054	(0.648)	0.049	0.005
7	0.58	0.10	0.054	(0.646)	0.049	0.005
8	0.67	0.10	0.054	(0.643)	0.049	0.005
9	0.75	0.10	0.054	(0.641)	0.049	0.005
10	0.83	0.13	0.072	(0.638)	0.065	0.007
11	0.92	0.13	0.072	(0.636)	0.065	0.007
12	1.00	0.13	0.072	(0.633)	0.065	0.007
13	1.08	0.10	0.054	(0.631)	0.049	0.005
14	1.17	0.10	0.054	(0.628)	0.049	0.005
15	1.25	0.10	0.054	(0.626)	0.049	0.005
16	1.33	0.10	0.054	(0.623)	0.049	0.005
17	1.42	0.10	0.054	(0.621)	0.049	0.005
18	1.50	0.10	0.054	(0.618)	0.049	0.005
19	1.58	0.10	0.054	(0.616)	0.049	0.005
20	1.67	0.10	0.054	(0.613)	0.049	0.005
21	1.75	0.10	0.054	(0.611)	0.049	0.005
22	1.83	0.13	0.072	(0.608)	0.065	0.007
23	1.92	0.13	0.072	(0.606)	0.065	0.007
24	2.00	0.13	0.072	(0.603)	0.065	0.007
25	2.08	0.13	0.072	(0.601)	0.065	0.007
26	2.17	0.13	0.072	(0.598)	0.065	0.007
27	2.25	0.13	0.072	(0.596)	0.065	0.007
28	2.33	0.13	0.072	(0.594)	0.065	0.007
29	2.42	0.13	0.072	(0.591)	0.065	0.007
30	2.50	0.13	0.072	(0.589)	0.065	0.007
31	2.58	0.17	0.090	(0.586)	0.081	0.009
32	2.67	0.17	0.090	(0.584)	0.081	0.009
33	2.75	0.17	0.090	(0.582)	0.081	0.009
34	2.83	0.17	0.090	(0.579)	0.081	0.009
35	2.92	0.17	0.090	(0.577)	0.081	0.009
36	3.00	0.17	0.090	(0.574)	0.081	0.009
37	3.08	0.17	0.090	(0.572)	0.081	0.009
38	3.17	0.17	0.090	(0.570)	0.081	0.009
39	3.25	0.17	0.090	(0.567)	0.081	0.009
40	3.33	0.17	0.090	(0.565)	0.081	0.009
41	3.42	0.17	0.090	(0.563)	0.081	0.009
42	3.50	0.17	0.090	(0.560)	0.081	0.009
43	3.58	0.17	0.090	(0.558)	0.081	0.009
44	3.67	0.17	0.090	(0.556)	0.081	0.009
45	3.75	0.17	0.090	(0.553)	0.081	0.009
46	3.83	0.20	0.108	(0.551)	0.097	0.011
47	3.92	0.20	0.108	(0.549)	0.097	0.011
48	4.00	0.20	0.108	(0.546)	0.097	0.011
49	4.08	0.20	0.108	(0.544)	0.097	0.011
50	4.17	0.20	0.108	(0.542)	0.097	0.011
51	4.25	0.20	0.108	(0.539)	0.097	0.011
52	4.33	0.23	0.126	(0.537)	0.113	0.013
53	4.42	0.23	0.126	(0.535)	0.113	0.013
54	4.50	0.23	0.126	(0.532)	0.113	0.013
55	4.58	0.23	0.126	(0.530)	0.113	0.013
56	4.67	0.23	0.126	(0.528)	0.113	0.013
57	4.75	0.23	0.126	(0.526)	0.113	0.013
58	4.83	0.27	0.144	(0.523)	0.130	0.014
59	4.92	0.27	0.144	(0.521)	0.130	0.014
60	5.00	0.27	0.144	(0.519)	0.130	0.014
61	5.08	0.20	0.108	(0.516)	0.097	0.011
62	5.17	0.20	0.108	(0.514)	0.097	0.011
63	5.25	0.20	0.108	(0.512)	0.097	0.011
64	5.33	0.23	0.126	(0.510)	0.113	0.013
65	5.42	0.23	0.126	(0.508)	0.113	0.013
66	5.50	0.23	0.126	(0.505)	0.113	0.013
67	5.58	0.27	0.144	(0.503)	0.130	0.014
68	5.67	0.27	0.144	(0.501)	0.130	0.014
69	5.75	0.27	0.144	(0.499)	0.130	0.014
70	5.83	0.27	0.144	(0.496)	0.130	0.014
71	5.92	0.27	0.144	(0.494)	0.130	0.014
72	6.00	0.27	0.144	(0.492)	0.130	0.014

Ex1 100yr24hr

Page 2 of 9

73	6.08	0.30	0.162	(	0.490)	0.146	0.016	
74	6.17	0.30	0.162	(	0.488)	0.146	0.016	
75	6.25	0.30	0.162	(	0.486)	0.146	0.016	
76	6.33	0.30	0.162	(	0.483)	0.146	0.016	
77	6.42	0.30	0.162	(	0.481)	0.146	0.016	
78	6.50	0.30	0.162	(	0.479)	0.146	0.016	
79	6.58	0.33	0.180	(	0.477)	0.162	0.018	
80	6.67	0.33	0.180	(	0.475)	0.162	0.018	
81	6.75	0.33	0.180	(	0.473)	0.162	0.018	
82	6.83	0.33	0.180	(	0.470)	0.162	0.018	
83	6.92	0.33	0.180	(	0.468)	0.162	0.018	
84	7.00	0.33	0.180	(	0.466)	0.162	0.018	
85	7.08	0.33	0.180	(	0.464)	0.162	0.018	
86	7.17	0.33	0.180	(	0.462)	0.162	0.018	
87	7.25	0.33	0.180	(	0.460)	0.162	0.018	
88	7.33	0.37	0.198	(	0.458)	0.178	0.020	
89	7.42	0.37	0.198	(	0.456)	0.178	0.020	
90	7.50	0.37	0.198	(	0.454)	0.178	0.020	
91	7.58	0.40	0.216	(	0.452)	0.194	0.022	
92	7.67	0.40	0.216	(	0.449)	0.194	0.022	
93	7.75	0.40	0.216	(	0.447)	0.194	0.022	
94	7.83	0.43	0.234	(	0.445)	0.211	0.023	
95	7.92	0.43	0.234	(	0.443)	0.211	0.023	
96	8.00	0.43	0.234	(	0.441)	0.211	0.023	
97	8.08	0.50	0.270	(	0.439)	0.243	0.027	
98	8.17	0.50	0.270	(	0.437)	0.243	0.027	
99	8.25	0.50	0.270	(	0.435)	0.243	0.027	
100	8.33	0.50	0.270	(	0.433)	0.243	0.027	
101	8.42	0.50	0.270	(	0.431)	0.243	0.027	
102	8.50	0.50	0.270	(	0.429)	0.243	0.027	
103	8.58	0.53	0.288	(	0.427)	0.259	0.029	
104	8.67	0.53	0.288	(	0.425)	0.259	0.029	
105	8.75	0.53	0.288	(	0.423)	0.259	0.029	
106	8.83	0.57	0.306	(	0.421)	0.275	0.031	
107	8.92	0.57	0.306	(	0.419)	0.275	0.031	
108	9.00	0.57	0.306	(	0.417)	0.275	0.031	
109	9.08	0.63	0.342	(	0.415)	0.308	0.034	
110	9.17	0.63	0.342	(	0.413)	0.308	0.034	
111	9.25	0.63	0.342	(	0.411)	0.308	0.034	
112	9.33	0.67	0.360	(	0.409)	0.324	0.036	
113	9.42	0.67	0.360	(	0.407)	0.324	0.036	
114	9.50	0.67	0.360	(	0.405)	0.324	0.036	
115	9.58	0.70	0.378	(	0.403)	0.340	0.038	
116	9.67	0.70	0.378	(	0.401)	0.340	0.038	
117	9.75	0.70	0.378	(	0.399)	0.340	0.038	
118	9.83	0.73	0.396	(	0.398)	0.356	0.040	
119	9.92	0.73	0.396	(	0.396)	0.356	0.040	
120	10.00	0.73	0.396	(	0.394)	0.356	0.040	
121	10.08	0.50	0.270	(	0.392)	0.243	0.027	
122	10.17	0.50	0.270	(	0.390)	0.243	0.027	
123	10.25	0.50	0.270	(	0.388)	0.243	0.027	
124	10.33	0.50	0.270	(	0.386)	0.243	0.027	
125	10.42	0.50	0.270	(	0.384)	0.243	0.027	
126	10.50	0.50	0.270	(	0.382)	0.243	0.027	
127	10.58	0.67	0.360	(	0.380)	0.324	0.036	
128	10.67	0.67	0.360	(	0.379)	0.324	0.036	
129	10.75	0.67	0.360	(	0.377)	0.324	0.036	
130	10.83	0.67	0.360	(	0.375)	0.324	0.036	
131	10.92	0.67	0.360	(	0.373)	0.324	0.036	
132	11.00	0.67	0.360	(	0.371)	0.324	0.036	
133	11.08	0.63	0.342	(	0.369)	0.308	0.034	
134	11.17	0.63	0.342	(	0.368)	0.308	0.034	
135	11.25	0.63	0.342	(	0.366)	0.308	0.034	
136	11.33	0.63	0.342	(	0.364)	0.308	0.034	
137	11.42	0.63	0.342	(	0.362)	0.308	0.034	
138	11.50	0.63	0.342	(	0.360)	0.308	0.034	
139	11.58	0.57	0.306	(	0.359)	0.275	0.031	
140	11.67	0.57	0.306	(	0.357)	0.275	0.031	
141	11.75	0.57	0.306	(	0.355)	0.275	0.031	
142	11.83	0.60	0.324	(	0.353)	0.292	0.032	
143	11.92	0.60	0.324	(	0.352)	0.292	0.032	
144	12.00	0.60	0.324	(	0.350)	0.292	0.032	
145	12.08	0.83	0.450	(	0.348	(	0.405)	0.102
146	12.17	0.83	0.450	(	0.346	(	0.405)	0.104
147	12.25	0.83	0.450	(	0.345	(	0.405)	0.105
148	12.33	0.87	0.468	(	0.343	(	0.421)	0.125
149	12.42	0.87	0.468	(	0.341	(	0.421)	0.127
150	12.50	0.87	0.468	(	0.339	(	0.421)	0.129
151	12.58	0.93	0.504	(	0.338	(	0.454)	0.166
152	12.67	0.93	0.504	(	0.336	(	0.454)	0.168
153	12.75	0.93	0.504	(	0.334	(	0.454)	0.170
154	12.83	0.97	0.522	(	0.333	(	0.470)	0.189
155	12.92	0.97	0.522	(	0.331	(	0.470)	0.191
156	13.00	0.97	0.522	(	0.329	(	0.470)	0.193
157	13.08	1.13	0.612	(	0.328	(	0.551)	0.284
158	13.17	1.13	0.612	(	0.326	(	0.551)	0.286
159	13.25	1.13	0.612	(	0.324	(	0.551)	0.288

Ex1 100yr24hr

Page 3 of 9

160	13.33	1.13	0.612	0.323	(	0.551)	0.289
161	13.42	1.13	0.612	0.321	(	0.551)	0.291
162	13.50	1.13	0.612	0.319	(	0.551)	0.293
163	13.58	0.77	0.414	0.318	(	0.373)	0.096
164	13.67	0.77	0.414	0.316	(	0.373)	0.098
165	13.75	0.77	0.414	0.314	(	0.373)	0.100
166	13.83	0.77	0.414	0.313	(	0.373)	0.101
167	13.92	0.77	0.414	0.311	(	0.373)	0.103
168	14.00	0.77	0.414	0.310	(	0.373)	0.104
169	14.08	0.90	0.486	0.308	(	0.437)	0.178
170	14.17	0.90	0.486	0.307	(	0.437)	0.179
171	14.25	0.90	0.486	0.305	(	0.437)	0.181
172	14.33	0.87	0.468	0.303	(	0.421)	0.165
173	14.42	0.87	0.468	0.302	(	0.421)	0.166
174	14.50	0.87	0.468	0.300	(	0.421)	0.168
175	14.58	0.87	0.468	0.299	(	0.421)	0.169
176	14.67	0.87	0.468	0.297	(	0.421)	0.171
177	14.75	0.87	0.468	0.296	(	0.421)	0.172
178	14.83	0.83	0.450	0.294	(	0.405)	0.156
179	14.92	0.83	0.450	0.293	(	0.405)	0.157
180	15.00	0.83	0.450	0.291	(	0.405)	0.159
181	15.08	0.80	0.432	0.290	(	0.389)	0.142
182	15.17	0.80	0.432	0.288	(	0.389)	0.144
183	15.25	0.80	0.432	0.287	(	0.389)	0.145
184	15.33	0.77	0.414	0.285	(	0.373)	0.129
185	15.42	0.77	0.414	0.284	(	0.373)	0.130
186	15.50	0.77	0.414	0.282	(	0.373)	0.132
187	15.58	0.63	0.342	0.281	(	0.308)	0.061
188	15.67	0.63	0.342	0.279	(	0.308)	0.063
189	15.75	0.63	0.342	0.278	(	0.308)	0.064
190	15.83	0.63	0.342	0.277	(	0.308)	0.065
191	15.92	0.63	0.342	0.275	(	0.308)	0.067
192	16.00	0.63	0.342	0.274	(	0.308)	0.068
193	16.08	0.13	0.072	(	0.272)	0.065	0.007
194	16.17	0.13	0.072	(	0.271)	0.065	0.007
195	16.25	0.13	0.072	(	0.270)	0.065	0.007
196	16.33	0.13	0.072	(	0.268)	0.065	0.007
197	16.42	0.13	0.072	(	0.267)	0.065	0.007
198	16.50	0.13	0.072	(	0.265)	0.065	0.007
199	16.58	0.10	0.054	(	0.264)	0.049	0.005
200	16.67	0.10	0.054	(	0.263)	0.049	0.005
201	16.75	0.10	0.054	(	0.261)	0.049	0.005
202	16.83	0.10	0.054	(	0.260)	0.049	0.005
203	16.92	0.10	0.054	(	0.259)	0.049	0.005
204	17.00	0.10	0.054	(	0.258)	0.049	0.005
205	17.08	0.17	0.090	(	0.256)	0.081	0.009
206	17.17	0.17	0.090	(	0.255)	0.081	0.009
207	17.25	0.17	0.090	(	0.254)	0.081	0.009
208	17.33	0.17	0.090	(	0.252)	0.081	0.009
209	17.42	0.17	0.090	(	0.251)	0.081	0.009
210	17.50	0.17	0.090	(	0.250)	0.081	0.009
211	17.58	0.17	0.090	(	0.249)	0.081	0.009
212	17.67	0.17	0.090	(	0.247)	0.081	0.009
213	17.75	0.17	0.090	(	0.246)	0.081	0.009
214	17.83	0.13	0.072	(	0.245)	0.065	0.007
215	17.92	0.13	0.072	(	0.244)	0.065	0.007
216	18.00	0.13	0.072	(	0.242)	0.065	0.007
217	18.08	0.13	0.072	(	0.241)	0.065	0.007
218	18.17	0.13	0.072	(	0.240)	0.065	0.007
219	18.25	0.13	0.072	(	0.239)	0.065	0.007
220	18.33	0.13	0.072	(	0.238)	0.065	0.007
221	18.42	0.13	0.072	(	0.237)	0.065	0.007
222	18.50	0.13	0.072	(	0.235)	0.065	0.007
223	18.58	0.10	0.054	(	0.234)	0.049	0.005
224	18.67	0.10	0.054	(	0.233)	0.049	0.005
225	18.75	0.10	0.054	(	0.232)	0.049	0.005
226	18.83	0.07	0.036	(	0.231)	0.032	0.004
227	18.92	0.07	0.036	(	0.230)	0.032	0.004
228	19.00	0.07	0.036	(	0.229)	0.032	0.004
229	19.08	0.10	0.054	(	0.228)	0.049	0.005
230	19.17	0.10	0.054	(	0.227)	0.049	0.005
231	19.25	0.10	0.054	(	0.226)	0.049	0.005
232	19.33	0.13	0.072	(	0.225)	0.065	0.007
233	19.42	0.13	0.072	(	0.223)	0.065	0.007
234	19.50	0.13	0.072	(	0.222)	0.065	0.007
235	19.58	0.10	0.054	(	0.221)	0.049	0.005
236	19.67	0.10	0.054	(	0.220)	0.049	0.005
237	19.75	0.10	0.054	(	0.219)	0.049	0.005
238	19.83	0.07	0.036	(	0.218)	0.032	0.004
239	19.92	0.07	0.036	(	0.217)	0.032	0.004
240	20.00	0.07	0.036	(	0.216)	0.032	0.004
241	20.08	0.10	0.054	(	0.216)	0.049	0.005
242	20.17	0.10	0.054	(	0.215)	0.049	0.005
243	20.25	0.10	0.054	(	0.214)	0.049	0.005
244	20.33	0.10	0.054	(	0.213)	0.049	0.005
245	20.42	0.10	0.054	(	0.212)	0.049	0.005
246	20.50	0.10	0.054	(	0.211)	0.049	0.005

Ex1 100yr24hr

Page 4 of 9

247	20.58	0.10	0.054	(0.210)	0.049	0.005
248	20.67	0.10	0.054	(0.209)	0.049	0.005
249	20.75	0.10	0.054	(0.208)	0.049	0.005
250	20.83	0.07	0.036	(0.207)	0.032	0.004
251	20.92	0.07	0.036	(0.207)	0.032	0.004
252	21.00	0.07	0.036	(0.206)	0.032	0.004
253	21.08	0.10	0.054	(0.205)	0.049	0.005
254	21.17	0.10	0.054	(0.204)	0.049	0.005
255	21.25	0.10	0.054	(0.203)	0.049	0.005
256	21.33	0.07	0.036	(0.203)	0.032	0.004
257	21.42	0.07	0.036	(0.202)	0.032	0.004
258	21.50	0.07	0.036	(0.201)	0.032	0.004
259	21.58	0.10	0.054	(0.200)	0.049	0.005
260	21.67	0.10	0.054	(0.200)	0.049	0.005
261	21.75	0.10	0.054	(0.199)	0.049	0.005
262	21.83	0.07	0.036	(0.198)	0.032	0.004
263	21.92	0.07	0.036	(0.198)	0.032	0.004
264	22.00	0.07	0.036	(0.197)	0.032	0.004
265	22.08	0.10	0.054	(0.196)	0.049	0.005
266	22.17	0.10	0.054	(0.196)	0.049	0.005
267	22.25	0.10	0.054	(0.195)	0.049	0.005
268	22.33	0.07	0.036	(0.194)	0.032	0.004
269	22.42	0.07	0.036	(0.194)	0.032	0.004
270	22.50	0.07	0.036	(0.193)	0.032	0.004
271	22.58	0.07	0.036	(0.193)	0.032	0.004
272	22.67	0.07	0.036	(0.192)	0.032	0.004
273	22.75	0.07	0.036	(0.192)	0.032	0.004
274	22.83	0.07	0.036	(0.191)	0.032	0.004
275	22.92	0.07	0.036	(0.191)	0.032	0.004
276	23.00	0.07	0.036	(0.190)	0.032	0.004
277	23.08	0.07	0.036	(0.190)	0.032	0.004
278	23.17	0.07	0.036	(0.189)	0.032	0.004
279	23.25	0.07	0.036	(0.189)	0.032	0.004
280	23.33	0.07	0.036	(0.188)	0.032	0.004
281	23.42	0.07	0.036	(0.188)	0.032	0.004
282	23.50	0.07	0.036	(0.188)	0.032	0.004
283	23.58	0.07	0.036	(0.187)	0.032	0.004
284	23.67	0.07	0.036	(0.187)	0.032	0.004
285	23.75	0.07	0.036	(0.187)	0.032	0.004
286	23.83	0.07	0.036	(0.187)	0.032	0.004
287	23.92	0.07	0.036	(0.187)	0.032	0.004
288	24.00	0.07	0.036	(0.186)	0.032	0.004

Sum = 100.0 (Loss Rate Not Used) Sum = 10.5

Flood volume = Effective rainfall 0.88(In)
times area 9.9(Ac.)/[(In)/(Ft.)] = 0.7(Ac.Ft)
Total soil loss = 3.62(In)
Total soil loss = 2.980(Ac.Ft)
Total rainfall = 4.50(In)
Flood volume = 31393.2 Cubic Feet
Total soil loss = 129830.1 Cubic Feet

Peak flow rate of this hydrograph = 2.895(CFS)

24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0001	0.01	Q				
0+10	0.0003	0.03	Q				
0+15	0.0005	0.03	Q				
0+20	0.0008	0.04	Q				
0+25	0.0011	0.05	Q				
0+30	0.0014	0.05	Q				
0+35	0.0018	0.05	Q				
0+40	0.0022	0.05	Q				
0+45	0.0025	0.05	Q				
0+50	0.0030	0.06	Q				
0+55	0.0034	0.07	Q				
1+ 0	0.0039	0.07	Q				
1+ 5	0.0043	0.07	Q				
1+10	0.0047	0.06	Q				
1+15	0.0051	0.06	Q				
1+20	0.0055	0.05	Q				
1+25	0.0059	0.05	Q				
1+30	0.0062	0.05	Q				
1+35	0.0066	0.05	Q				
1+40	0.0070	0.05	Q				
1+45	0.0074	0.05	Q				
1+50	0.0078	0.06	Q				
1+55	0.0082	0.07	Q				
2+ 0	0.0087	0.07	Q				

Ex1 100yr24hr

Page 5 of 9

2+ 5	0.0092	0.07	Q
2+10	0.0097	0.07	Q
2+15	0.0102	0.07	Q
2+20	0.0107	0.07	Q
2+25	0.0112	0.07	Q
2+30	0.0117	0.07	Q
2+35	0.0122	0.08	Q
2+40	0.0128	0.09	Q
2+45	0.0134	0.09	Q
2+50	0.0140	0.09	Q
2+55	0.0146	0.09	Q
3+ 0	0.0152	0.09	Q
3+ 5	0.0158	0.09	Q
3+10	0.0165	0.09	Q
3+15	0.0171	0.09	Q
3+20	0.0177	0.09	Q
3+25	0.0183	0.09	QV
3+30	0.0189	0.09	QV
3+35	0.0195	0.09	QV
3+40	0.0202	0.09	QV
3+45	0.0208	0.09	QV
3+50	0.0214	0.09	QV
3+55	0.0221	0.10	QV
4+ 0	0.0229	0.11	QV
4+ 5	0.0236	0.11	QV
4+10	0.0243	0.11	QV
4+15	0.0251	0.11	QV
4+20	0.0259	0.11	QV
4+25	0.0267	0.12	QV
4+30	0.0275	0.12	QV
4+35	0.0284	0.12	QV
4+40	0.0293	0.12	QV
4+45	0.0301	0.13	QV
4+50	0.0310	0.13	QV
4+55	0.0320	0.14	QV
5+ 0	0.0330	0.14	QV
5+ 5	0.0339	0.13	QV
5+10	0.0347	0.12	QV
5+15	0.0354	0.11	QV
5+20	0.0362	0.11	Q V
5+25	0.0371	0.12	Q V
5+30	0.0379	0.12	Q V
5+35	0.0388	0.13	Q V
5+40	0.0398	0.14	Q V
5+45	0.0407	0.14	Q V
5+50	0.0417	0.14	Q V
5+55	0.0427	0.14	Q V
6+ 0	0.0437	0.14	Q V
6+ 5	0.0447	0.15	Q V
6+10	0.0458	0.16	Q V
6+15	0.0469	0.16	Q V
6+20	0.0480	0.16	Q V
6+25	0.0491	0.16	Q V
6+30	0.0502	0.16	Q V
6+35	0.0513	0.17	Q V
6+40	0.0526	0.18	Q V
6+45	0.0538	0.18	Q V
6+50	0.0550	0.18	Q V
6+55	0.0562	0.18	Q V
7+ 0	0.0575	0.18	Q V
7+ 5	0.0587	0.18	Q V
7+10	0.0599	0.18	Q V
7+15	0.0612	0.18	Q V
7+20	0.0624	0.18	Q V
7+25	0.0638	0.19	Q V
7+30	0.0651	0.20	Q V
7+35	0.0665	0.20	Q V
7+40	0.0679	0.21	Q V
7+45	0.0694	0.21	Q V
7+50	0.0709	0.22	Q V
7+55	0.0725	0.23	Q V
8+ 0	0.0741	0.23	Q V
8+ 5	0.0758	0.24	Q V
8+10	0.0775	0.26	Q V
8+15	0.0794	0.26	Q V
8+20	0.0812	0.27	Q V
8+25	0.0831	0.27	Q V
8+30	0.0849	0.27	Q V
8+35	0.0868	0.27	Q V
8+40	0.0887	0.28	Q V
8+45	0.0907	0.28	Q V
8+50	0.0927	0.29	Q V
8+55	0.0948	0.30	Q V
9+ 0	0.0969	0.30	Q V
9+ 5	0.0990	0.31	Q V
9+10	0.1013	0.33	Q V
9+15	0.1036	0.34	Q V

Ex1 100yr24hr

Page 6 of 9

9+20	0.1060	0.34	Q	V			
9+25	0.1084	0.35	Q	V			
9+30	0.1109	0.36	Q	V			
9+35	0.1134	0.36	Q	V			
9+40	0.1159	0.37	Q	V			
9+45	0.1185	0.37	Q	V			
9+50	0.1211	0.38	Q	V			
9+55	0.1238	0.39	Q	V			
10+ 0	0.1265	0.39	Q	V			
10+ 5	0.1290	0.36	Q	V			
10+10	0.1310	0.30	Q	V			
10+15	0.1330	0.28	Q	V			
10+20	0.1349	0.28	Q	V			
10+25	0.1367	0.27	Q	V			
10+30	0.1386	0.27	Q	V			
10+35	0.1406	0.29	Q	V			
10+40	0.1429	0.34	Q	V			
10+45	0.1453	0.35	Q	V			
10+50	0.1478	0.35	Q	V			
10+55	0.1502	0.36	Q	V			
11+ 0	0.1527	0.36	Q	V			
11+ 5	0.1551	0.35	Q	V			
11+10	0.1575	0.34	Q	V			
11+15	0.1598	0.34	Q	V			
11+20	0.1622	0.34	Q	V			
11+25	0.1645	0.34	Q	V			
11+30	0.1669	0.34	Q	V			
11+35	0.1692	0.33	Q	V			
11+40	0.1713	0.31	Q	V			
11+45	0.1734	0.31	Q	V			
11+50	0.1756	0.31	Q	V			
11+55	0.1778	0.32	Q	V			
12+ 0	0.1800	0.32	Q	V			
12+ 5	0.1836	0.52	Q	V			
12+10	0.1895	0.86	Q	V			
12+15	0.1961	0.96	Q	V			
12+20	0.2035	1.06	Q	V			
12+25	0.2116	1.19	Q	V			
12+30	0.2202	1.24	Q	V			
12+35	0.2296	1.37	Q	V			
12+40	0.2404	1.57	Q	V			
12+45	0.2517	1.63	Q	V			
12+50	0.2635	1.72	Q	V			
12+55	0.2762	1.83	Q	V			
13+ 0	0.2891	1.88	Q	V			
13+ 5	0.3040	2.17	Q	V			
13+10	0.3221	2.62	Q	V			
13+15	0.3410	2.75	Q	V			
13+20	0.3604	2.82	Q	V			
13+25	0.3801	2.86	Q	V			
13+30	0.4000	2.89	Q	V			
13+35	0.4161	2.34	Q	V			
13+40	0.4258	1.41	Q	V			
13+45	0.4340	1.18	Q	V			
13+50	0.4415	1.09	Q	V			
13+55	0.4487	1.05	Q	V			
14+ 0	0.4557	1.02	Q	V			
14+ 5	0.4643	1.24	Q	V			
14+10	0.4754	1.60	Q	V			
14+15	0.4871	1.71	Q	V			
14+20	0.4989	1.71	Q	V			
14+25	0.5103	1.66	Q	V			
14+30	0.5219	1.67	Q	V			
14+35	0.5334	1.68	Q	V			
14+40	0.5450	1.69	Q	V			
14+45	0.5567	1.70	Q	V			
14+50	0.5681	1.66	Q	V			
14+55	0.5791	1.59	Q	V			
15+ 0	0.5900	1.58	Q	V			
15+ 5	0.6006	1.54	Q	V			
15+10	0.6106	1.46	Q	V			
15+15	0.6206	1.45	Q	V			
15+20	0.6303	1.40	Q	V			
15+25	0.6394	1.32	Q	V			
15+30	0.6484	1.31	Q	V			
15+35	0.6561	1.11	Q	V			
15+40	0.6614	0.77	Q	V			
15+45	0.6662	0.70	Q	V			
15+50	0.6708	0.67	Q	V			
15+55	0.6754	0.67	Q	V			
16+ 0	0.6800	0.66	Q	V			
16+ 5	0.6834	0.50	Q	V			
16+10	0.6848	0.21	Q	V			
16+15	0.6858	0.14	Q	V			
16+20	0.6865	0.10	Q	V			
16+25	0.6871	0.09	Q	V			
16+30	0.6876	0.07	Q	V			

Ex1 100yr24hr

Page 7 of 9

16+35	0.6880	0.07	Q				V
16+40	0.6884	0.06	Q				V
16+45	0.6888	0.06	Q				V
16+50	0.6892	0.05	Q				V
16+55	0.6896	0.05	Q				V
17+ 0	0.6899	0.05	Q				V
17+ 5	0.6904	0.06	Q				V
17+10	0.6909	0.08	Q				V
17+15	0.6915	0.09	Q				V
17+20	0.6921	0.09	Q				V
17+25	0.6927	0.09	Q				V
17+30	0.6933	0.09	Q				V
17+35	0.6940	0.09	Q				V
17+40	0.6946	0.09	Q				V
17+45	0.6952	0.09	Q				V
17+50	0.6958	0.08	Q				V
17+55	0.6963	0.08	Q				V
18+ 0	0.6968	0.07	Q				V
18+ 5	0.6973	0.07	Q				V
18+10	0.6978	0.07	Q				V
18+15	0.6983	0.07	Q				V
18+20	0.6988	0.07	Q				V
18+25	0.6993	0.07	Q				V
18+30	0.6998	0.07	Q				V
18+35	0.7002	0.07	Q				V
18+40	0.7006	0.06	Q				V
18+45	0.7010	0.06	Q				V
18+50	0.7014	0.05	Q				V
18+55	0.7016	0.04	Q				V
19+ 0	0.7019	0.04	Q				V
19+ 5	0.7022	0.04	Q				V
19+10	0.7025	0.05	Q				V
19+15	0.7029	0.05	Q				V
19+20	0.7033	0.06	Q				V
19+25	0.7037	0.07	Q				V
19+30	0.7042	0.07	Q				V
19+35	0.7047	0.07	Q				V
19+40	0.7051	0.06	Q				V
19+45	0.7055	0.06	Q				V
19+50	0.7058	0.05	Q				V
19+55	0.7061	0.04	Q				V
20+ 0	0.7063	0.04	Q				V
20+ 5	0.7066	0.04	Q				V
20+10	0.7070	0.05	Q				V
20+15	0.7073	0.05	Q				V
20+20	0.7077	0.05	Q				V
20+25	0.7081	0.05	Q				V
20+30	0.7084	0.05	Q				V
20+35	0.7088	0.05	Q				V
20+40	0.7092	0.05	Q				V
20+45	0.7095	0.05	Q				V
20+50	0.7099	0.05	Q				V
20+55	0.7101	0.04	Q				V
21+ 0	0.7104	0.04	Q				V
21+ 5	0.7107	0.04	Q				V
21+10	0.7110	0.05	Q				V
21+15	0.7114	0.05	Q				V
21+20	0.7117	0.05	Q				V
21+25	0.7120	0.04	Q				V
21+30	0.7123	0.04	Q				V
21+35	0.7125	0.04	Q				V
21+40	0.7129	0.05	Q				V
21+45	0.7133	0.05	Q				V
21+50	0.7136	0.05	Q				V
21+55	0.7139	0.04	Q				V
22+ 0	0.7141	0.04	Q				V
22+ 5	0.7144	0.04	Q				V
22+10	0.7147	0.05	Q				V
22+15	0.7151	0.05	Q				V
22+20	0.7154	0.05	Q				V
22+25	0.7157	0.04	Q				V
22+30	0.7160	0.04	Q				V
22+35	0.7162	0.04	Q				V
22+40	0.7165	0.04	Q				V
22+45	0.7167	0.04	Q				V
22+50	0.7170	0.04	Q				V
22+55	0.7172	0.04	Q				V
23+ 0	0.7175	0.04	Q				V
23+ 5	0.7177	0.04	Q				V
23+10	0.7179	0.04	Q				V
23+15	0.7182	0.04	Q				V
23+20	0.7184	0.04	Q				V
23+25	0.7187	0.04	Q				V
23+30	0.7189	0.04	Q				V
23+35	0.7192	0.04	Q				V
23+40	0.7194	0.04	Q				V
23+45	0.7197	0.04	Q				V

Ex1 100yr24hr

Page 8 of 9

23+50	0.7199	0.04	Q				V
23+55	0.7202	0.04	Q				V
24+ 0	0.7204	0.04	Q				V
24+ 5	0.7206	0.03	Q				V
24+10	0.7206	0.01	Q				V
24+15	0.7207	0.00	Q				V
24+20	0.7207	0.00	Q				V
24+25	0.7207	0.00	Q				V



PRE DEVELOPMENT
UNIT HYDROGRAPH MAP
TTM 38265

adkan
ENGINEERS

AN UNUSUAL TWENTY-FOUR HOUR CASTING METHOD

Section 4

Post-Development Onsite Unit Hydrographs

Unit Hydrograph Analysis

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Study date 0F/01/22 :illex pro212.out

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Riverside County Synthetic Unit Hydrology Method
RC:C & WCD Manual date - April 1978

Program License Serial Number 5006

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Drainage Area = 8.FF(Ac.) = 0.01F S3. Mi.
Drainage Area for Depth-Area Areal Adqstment = 8.FF(Ac.) = 0.01F S3. Mi.
Length along longest watercourse = 997.00(:t.)
Length along longest watercourse measured to centroid = w99.00(:t.)
Length along longest watercourse = 0.189 Mi.
Length along longest watercourse measured to centroid = 0.095 Mi.
Difference in elevation = 15.80(:t.)
Slope along watercourse = 8F.6750 :t./Mi.
Average Manning's n = 0.015
Lag time = 0.0Fw Hr.
Lag time = 2.02 Min.
25' of lag time = 0.50 Min.
w0' of lag time = 0.81 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered %ase :loj = 0.00(C:S)

2 BEAR Area rainfall datax

Area(Ac.)Y1[	Rainfall(In)Y2[	weightingY1]2[
8.FF	0.50	w.17

100 BEAR Area rainfall datax

Area(Ac.)Y1[	Rainfall(In)Y2[	weightingY1]2[
8.FF	1.20	10.00

S*TRM EVEN* (BEAR) = 2.00
Area Averaged 2-Bear Rainfall = 0.500(In)
Area Averaged 100-Bear Rainfall = 1.200(In)

Point rain (area averaged) = 0.500(In)
Areal adqstment factor = 99.99 '
Adqstmed average point rain = 0.500(In)

Sub-Area Datax
Area(Ac.) Runoff Inde0 Impervious '
8.FF0 56.00 0.650
*otal Area Entered = 8.FF(Ac.)

RI	RI	Infil. Rate	Impervious	Adq. Infil. Rate	Area'	:
AMC2	AMC-1	(In/Hr)	(Dec.')	(In/Hr)	(Dec.)	(In/Hr)
56.0	F6.0	0.706	0.650	0.29F	1.000	0.29F
					Sum (:)	= 0.29F

Area averaged mean soil loss (:)(In/Hr) = 0.29F
Minimum soil loss rate ((In/Hr)) = 0.1w6
(for 2w hour storm duration)
Soil loj loss rate (decimal) = 0.F80

Slope of intensity-duration curve for a 1 hour storm =0.5000

Unit Hydrograph
VALLEB S-Curve

Unit Hydrograph Data

Unit time period *ime ' of lag Distribution Unit Hydrograph

Pro 2yr1hr

Page 1 of 2

	(hrs)		Graph '	(C:S)
1	0.08F	2w7.87F	50.617	w.2w9
2	0.167	w95.7w6	w0.186	F.F7w
F	0.250	7wF.618	7.090	0.595
w	0.FFF	991.w91	2.107	0.177
Sum = 100.000			Sum=	8.F95

*he following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the ma0imum Effective Rain value

Unit	*ime (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Ma0 Loj	Effective (In/Hr)
1	0.08	w.20	0.252	(0.29F)	0.096
2	0.17	w.F0	0.258	(0.29F)	0.098
F	0.25	5.00	0.F00	(0.29F)	0.11w
w	0.FF	5.00	0.F00	(0.29F)	0.11w
5	0.w2	5.80	0.Fw8	(0.29F)	0.1F2
6	0.50	6.50	0.F90	(0.29F)	0.1w8
7	0.58	7.w0	0.www	(0.29F)	0.169
8	0.67	8.60	0.516	(0.29F)	0.196
9	0.75	12.F0	0.7F8	(0.29F)	0.280
10	0.8F	29.10	1.7w6	0.29F (0.66F)	1.w5F
11	0.92	6.80	0.w08	(0.29F)	0.155
12	1.00	5.00	0.F00	(0.29F)	0.11w

Sum = 100.0 (Loss Rate Not Used) Sum = w.1
:lood volume = Effective rainfall 0.Fw(In)
times area 8.F(Ac.)/Y(In)/(t.)[= 0.2(Ac.:t)
*otal soil loss = 0.16(In)
*otal soil loss = 0.110(Ac.:t)
*otal rainfall = 0.50(In)
:lood volume = 10F06.5 Cubic :eet
*otal soil loss = w811.F Cubic :eet

Peak floj rate of this hydrograph = 7.961(C:S)

1 - H T U R S * T R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((C:S))

*ime(h+m)	Volume	Ac.:t	Q(C:S)	0	2.5	5.0	7.5	10.0
0+ 5	0.00w6	0.66	V Q					
0+10	0.0129	1.21	V Q					
0+15	0.0227	1.w2	V Q					
0+20	0.0FFF	1.5w	V Q					
0+25	0.0ww9	1.68	Q V					
0+F0	0.0580	1.90	Q V					
0+F5	0.0728	2.15	Q	V				
0+w0	0.0898	2.w7	Q	V	V			
0+w5	0.1121	F.2F	Q					
0+50	0.1669	7.96				Q	V	Q
0+55	0.210F	6.F1					V	V
1+ 0	0.2282	2.59	Q					V
1+ 5	0.2F5F	1.0w	Q					V
1+10	0.2F6w	0.16	Q					V
1+15	0.2F66	0.0F	Q					V

Unit Hydrograph Analysis

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Riverside County Synthetic Unit Hydrology Method
RC:C & WCD Manual date - April 1978

Program License Serial Number 5006

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Drainage Area = 8.FF(Ac.) = 0.01F S3. Mi.
Drainage Area for Depth-Area Areal Adqstment = 8.FF(Ac.) = 0.01F S3. Mi.
Length along longest watercourse = 997.00(:t.)
Length along longest watercourse measured to centroid = w99.00(:t.)
Length along longest watercourse = 0.189 Mi.
Length along longest watercourse measured to centroid = 0.095 Mi.
Difference in elevation = 15.80(:t.)
Slope along watercourse = 8F.6750 :t./Mi.
Average Manning's n = 0.015
Lag time = 0.0Fw Hr.
Lag time = 2.02 Min.
25' of lag time = 0.50 Min.
w0' of lag time = 0.81 Min.
Unit time = 5.00 Min.
Duration of storm = F Hour(s)
User Entered %ase :loj = 0.00(C:S)

2 BEAR Area rainfall datax

Area(Ac.)Y1[	Rainfall(In)Y2[	weightingY1]2[
8.FF	0.80	6.66

100 BEAR Area rainfall datax

Area(Ac.)Y1[	Rainfall(In)Y2[	weightingY1]2[
8.FF	1.90	15.8F

S*TRM EVEN* (BEAR) = 2.00
Area Averaged 2-Bear Rainfall = 0.800(In)
Area Averaged 100-Bear Rainfall = 1.900(In)

Point rain (area averaged) = 0.800(In)
Areal adqstment factor = 100.00 '
Adqstmed average point rain = 0.800(In)

Sub-Area Datax
Area(Ac.) Runoff Inde0 Impervious '
8.FF0 56.00 0.650
*otal Area Entered = 8.FF(Ac.)

RI	RI	Infil. Rate	Impervious	Adq. Infil. Rate	Area'	:
AMC2	AMC-1	(In/Hr)	(Dec.')	(In/Hr)	(Dec.)	(In/Hr)
56.0	F6.0	0.706	0.650	0.29F	1.000	0.29F
					Sum (:)	= 0.29F

Area averaged mean soil loss (:)(In/Hr) = 0.29F
Minimum soil loss rate ((In/Hr)) = 0.1w6
(for 2w hour storm duration)
Soil loj loss rate (decimal) = 0.F80

Unit Hydrograph VALLEB S-Curve

Unit Hydrograph Data

Unit time period	*ime ' of lag	Distribution	Unit Hydrograph
(hrs)		Graph '	(C:S)

1	0.08F	2w7.87F	50.617	w.2w9
2	0.167	w95.7w6	w0.186	F.F7w
F	0.250	7wF.618	7.090	0.595
w	0.FFF	991.w91	2.107	0.177
		Sum = 100.000	Sum=	8.F95

*he following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the ma0imim Effective Rain value

Unit	*ime (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Ma0 Loj	Effective (In/Hr)
1	0.08	1.F0	0.125	(0.29F)	0.0w7
2	0.17	1.F0	0.125	(0.29F)	0.0w7
F	0.25	1.10	0.106	(0.29F)	0.0w0
w	0.FF	1.50	0.1ww	(0.29F)	0.055
5	0.w2	1.50	0.1ww	(0.29F)	0.055
6	0.50	1.80	0.17F	(0.29F)	0.066
7	0.58	1.50	0.1ww	(0.29F)	0.055
8	0.67	1.80	0.17F	(0.29F)	0.066
9	0.75	1.80	0.17F	(0.29F)	0.066
10	0.8F	1.50	0.1ww	(0.29F)	0.055
11	0.92	1.60	0.15w	(0.29F)	0.058
12	1.00	1.80	0.17F	(0.29F)	0.066
1F	1.08	2.20	0.211	(0.29F)	0.080
1w	1.17	2.20	0.211	(0.29F)	0.080
15	1.25	2.20	0.211	(0.29F)	0.080
16	1.FF	2.00	0.192	(0.29F)	0.07F
17	1.w2	2.60	0.250	(0.29F)	0.095
18	1.50	2.70	0.259	(0.29F)	0.098
19	1.58	2.w0	0.2F0	(0.29F)	0.088
20	1.67	2.70	0.259	(0.29F)	0.098
21	1.75	F.F0	0.F17	(0.29F)	0.120
22	1.8F	F.10	0.298	(0.29F)	0.11F
2F	1.92	2.90	0.278	(0.29F)	0.106
2w	2.00	F.00	0.288	(0.29F)	0.109
25	2.08	F.10	0.298	(0.29F)	0.11F
26	2.17	w.20	0.w0F	(0.29F)	0.15F
27	2.25	5.00	0.w80	(0.29F)	0.182
28	2.FF	F.50	0.FF6	(0.29F)	0.128
29	2.w2	6.80	0.65F	(0.29F)	0.2w8
F0	2.50	7.F0	0.701	(0.29F)	0.266
F1	2.58	8.20	0.787	(0.29F)	0.299
F2	2.67	5.90	0.566	(0.29F)	0.215
FF	2.75	2.00	0.192	(0.29F)	0.07F
Fw	2.8F	1.80	0.17F	(0.29F)	0.066
F5	2.92	1.80	0.17F	(0.29F)	0.066
F6	F.00	0.60	0.058	(0.29F)	0.022

Sum = 100.0 (Loss Rate Not Used) Sum = 6.0
:lood volume = Effective rainfall 0.50(In)
times area 8.F(Ac.)/Y(In)/(.:t.)[= 0.F(Ac.:t)
*total soil loss = 0.F0(In)
*total soil loss = 0.211(Ac.:t)
*total rainfall = 0.80(In)
:lood volume = 15012.9 Cubic :eet
*total soil loss = 9176.5 Cubic :eet

Peak floj rate of this hydrograph = F.8w5(C:S)

+++++ F - H T U R S * T R M +++++
R u n o f f H y d r o g r a p h
Hydrograph in 5 Minute intervals ((C:S))

*ime(h+m)	Volume Ac.:t	Q(C:S)	0	2.5	5.0	7.5	10.0
0+ 5	0.002F	0.FF	VQ				
0+10	0.006F	0.59	V Q				
0+15	0.010w	0.59	VQ				
0+20	0.01w9	0.66	VQ				
0+25	0.0200	0.7F	Q				
0+F0	0.0256	0.82	VQ				
0+F5	0.0F12	0.81	Q				
0+w0	0.0F70	0.8w	QV				
0+w5	0.0wF1	0.89	Q V				
0+50	0.0w87	0.82	Q V				
0+55	0.05w2	0.79	Q V				
1+ 0	0.0600	0.85	Q V				
1+ 5	0.0668	0.99	Q V				
1+10	0.07wF	1.08	Q V				
1+15	0.0818	1.10	Q V				
1+20	0.0890	1.05	Q V				
1+25	0.0970	1.16	Q V				

Pro 2yr3hr

Page 2 of 3

1+F0	0.1060	1.F0	Q	V		
1+F5	0.11w7	1.26	Q	V		
1+w0	0.12F6	1.29	Q	V		
1+w5	0.1FF8	1.w9	Q	V		
1+50	0.1ww6	1.57	Q	V		
1+55	0.1550	1.50	Q	V		
2+ 0	0.1652	1.w9	Q	V		
2+ 5	0.1757	1.52	Q	V		
2+10	0.188F	1.82	Q	V		
2+15	0.20F8	2.25	Q	V		
2+20	0.2180	2.07	Q	V		
2+25	0.2F62	2.65	Q	V		
2+F0	0.2596	F.F9	Q	V		
2+F5	0.2861	F.85	Q	V		
2+w0	0.F101	F.w9	Q	V		
2+w5	0.F2wF	2.06	Q	V		
2+50	0.FF2F	1.15	Q	V		
2+55	0.FF88	0.95	Q	V		
F+ 0	0.Fw29	0.60	Q	V		
F+ 5	0.FwwF	0.20	Q	V		
F+10	0.Fww6	0.0w	Q	V		
F+15	0.Fww6	0.01	Q	V		

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[illegible]

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Drainage Area =      8.FF(Ac.) =      0.01F S3. &i.
Drainage Area for Depth-Area Area Adjustbent =      8.FF(Ac.) =      0.01F S3. &i.
Length along longest jatercourse =      99P.00(:t.)
Length along longest jatercourse beasured to centroid =      w99.00(:t.)
Length along longest jatercourse =      0.189 &i.
Length along longest jatercourse beasured to centroid =      0.096 &i.
Difference in elevation =      16.80(:t.)
Slope along jatercourse =      8F.+P60 :t./&i.
AMerage &anning4s 4N4 = 0.016
Lag tibe =      0.0Fw Hr.
Lag tibe =      2.02 &i.
26' of lag tibe =      0.60 &i.
w0' of lag tibe =      0.81 &i.
Unit tibe =      6.00 &i.
Duration of storb = + Hour(s)
User Entered %ase :loj =      0.00(C:S)

```

Area(Ac.)Y1[	vainfall(In)Y2[	7eightingY1]2[
8.FF	1.20	10.00

Area(Ac.)Y1[	vainfall(In)Y2[	7eightingY1]2[
8.88	2.60	20.82

S*TV& EVEN* (BEAV) = 2.00
Area AMerged 2-Bear vainfall = 1.200(In)
Area AMerged 100-Bear vainfall = 2.600(In)

```
moint rain (area aMeraged) = 1.200(In)
Areai adjustbent factor = 100.00 '
Adjusted aMerage point rain = 1.200(In)
```

```

Su5-Area Daxx
Area(Ac.)      vunoff Inde0   IbperMious '
      8.FF0      6+.00      0.+60
*otal Area Entered =      8.FF(Ac.)

```

VI	VI	Infil. vate	IberperMious	Adq. Infil. vate	Area'	:
A&C2	A&C-1	(In/Hr)	(Dec.')	(In/Hr)	(Dec.)	(In/Hr)
6+.0	F+.0	0.P0+	0.+60	0.29F	1.000	0.29F
					Sub (:)	= 0.29F

Area aMeraged bean soil loss (:) (In/Hr) = 0.29F
&inibub soil loss rate ((In/Hr)) = 0.1w+
(for 2w hour storb duration)
Soil loj loss rate (decibal) = 0.F80

Unit Hydrograph
VALLEB S-CurMe

Unit Hydrograph Data

Unit time period (hrs)	*ibe ' of lag	Distribution Graph	Unit Hydrograph (C:S)

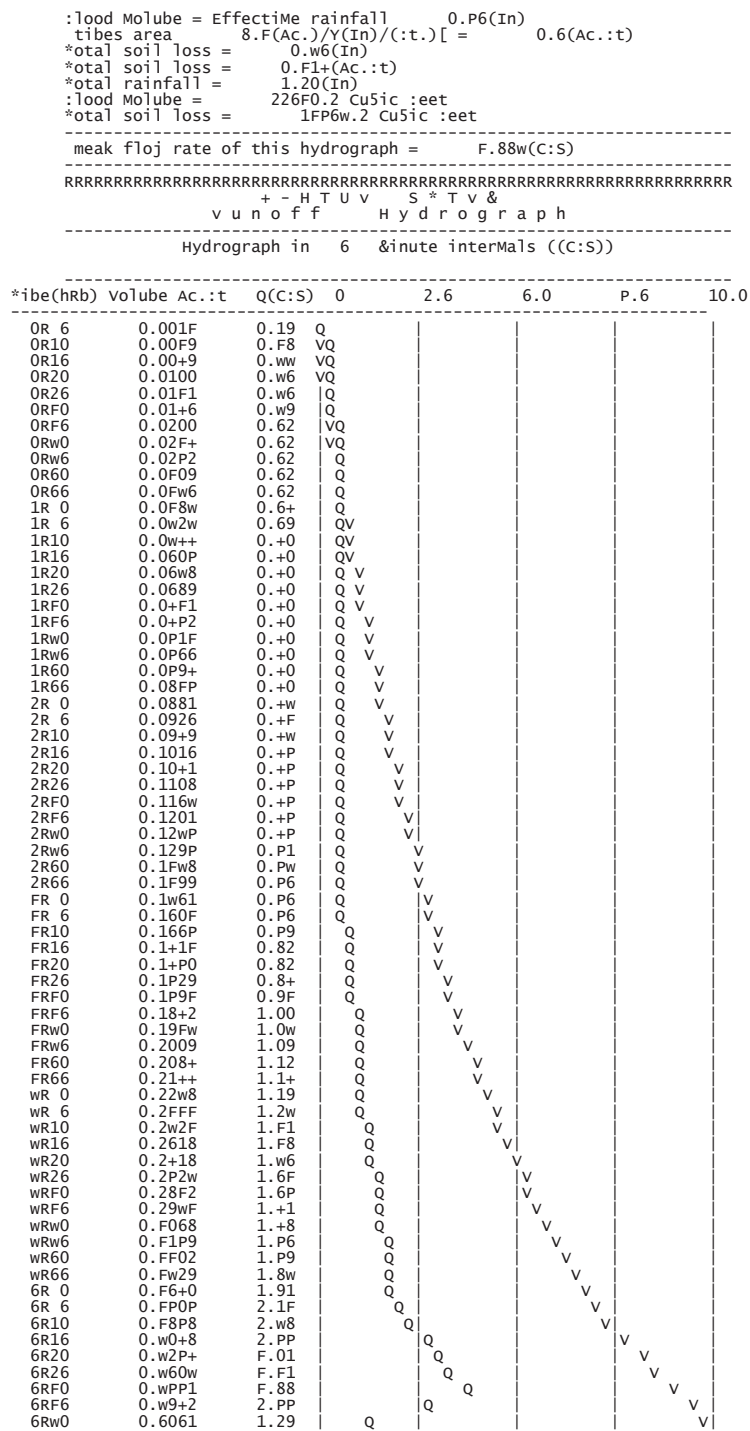
1	0.08F	2wP.8PF	60.+1P	w.2w9
2	0.1+P	w96.Pw+	w0.18+	F.FPW
F	0.260	PwF.+18	P.090	0.696
w	0.FFF	991.w91	2.10P	0.1PP
		Sub = 100.000	Sub=	8.F96

*he folloing loss rate calculations reflect use of the binibub calculated loss rate su5tracted frob the Storb vain to produce the ba0ibub EffectiMe vain Malue

Unit	*ibe (Hr.)	mattern mercent	Storb vain (In/Hr)	Loss rate(In./Hr) &ao Loj	EffectiMe (In/Hr)
1	0.08	0.60	0.0P2	(0.29F)	0.02P
2	0.1P	0.+0	0.08+	(0.29F)	0.0FF
F	0.26	0.+0	0.08+	(0.29F)	0.0FF
w	0.FF	0.+0	0.08+	(0.29F)	0.0FF
6	0.w2	0.+0	0.08+	(0.29F)	0.0FF
+	0.60	0.P0	0.101	(0.29F)	0.0F8
P	0.68	0.P0	0.101	(0.29F)	0.0F8
8	0.+P	0.P0	0.101	(0.29F)	0.0F8
9	0.P6	0.P0	0.101	(0.29F)	0.0F8
10	0.8F	0.P0	0.101	(0.29F)	0.0F8
11	0.92	0.P0	0.101	(0.29F)	0.0F8
12	1.00	0.80	0.116	(0.29F)	0.0ww
1F	1.08	0.80	0.116	(0.29F)	0.0ww
1w	1.1P	0.80	0.116	(0.29F)	0.0ww
16	1.26	0.80	0.116	(0.29F)	0.0ww
1+	1.FF	0.80	0.116	(0.29F)	0.0ww
1P	1.w2	0.80	0.116	(0.29F)	0.0ww
18	1.60	0.80	0.116	(0.29F)	0.0ww
19	1.68	0.80	0.116	(0.29F)	0.0ww
20	1.+P	0.80	0.116	(0.29F)	0.0ww
21	1.P6	0.80	0.116	(0.29F)	0.0ww
22	1.8F	0.80	0.116	(0.29F)	0.0ww
2F	1.92	0.80	0.116	(0.29F)	0.0ww
2w	2.00	0.90	0.1F0	(0.29F)	0.0w9
26	2.08	0.80	0.116	(0.29F)	0.0ww
2+	2.1P	0.90	0.1F0	(0.29F)	0.0w9
2P	2.26	0.90	0.1F0	(0.29F)	0.0w9
28	2.FF	0.90	0.1F0	(0.29F)	0.0w9
29	2.w2	0.90	0.1F0	(0.29F)	0.0w9
F0	2.60	0.90	0.1F0	(0.29F)	0.0w9
F1	2.68	0.90	0.1F0	(0.29F)	0.0w9
F2	2.+P	0.90	0.1F0	(0.29F)	0.0w9
FF	2.P6	1.00	0.1ww	(0.29F)	0.066
Fw	2.8F	1.00	0.1ww	(0.29F)	0.066
F6	2.92	1.00	0.1ww	(0.29F)	0.066
F+	F.00	1.00	0.1ww	(0.29F)	0.066
FP	F.08	1.00	0.1ww	(0.29F)	0.066
F8	F.1P	1.10	0.168	(0.29F)	0.0+0
F9	F.26	1.10	0.168	(0.29F)	0.0+0
w0	F.FF	1.10	0.168	(0.29F)	0.0+0
w1	F.w2	1.20	0.1PF	(0.29F)	0.0++
w2	F.60	1.F0	0.18P	(0.29F)	0.0P1
wF	F.68	1.w0	0.202	(0.29F)	0.0PP
ww	F.+P	1.w0	0.202	(0.29F)	0.0PP
w6	F.P6	1.60	0.21+	(0.29F)	0.082
w+	F.8F	1.60	0.21+	(0.29F)	0.082
wP	F.92	1.+0	0.2F0	(0.29F)	0.088
w8	w.00	1.+0	0.2F0	(0.29F)	0.088
w9	w.08	1.P0	0.2w6	(0.29F)	0.09F
60	w.1P	1.80	0.269	(0.29F)	0.098
61	w.26	1.90	0.2Pw	(0.29F)	0.10w
62	w.FF	2.00	0.288	(0.29F)	0.109
6F	w.w2	2.10	0.F02	(0.29F)	0.116
6w	w.60	2.10	0.F02	(0.29F)	0.116
66	w.68	2.20	0.F1P	(0.29F)	0.120
6+	w.+P	2.F0	0.FF1	(0.29F)	0.12+
6P	w.P6	2.w0	0.Fw+	(0.29F)	0.1F1
68	w.8F	2.w0	0.Fw+	(0.29F)	0.1F1
69	w.92	2.60	0.F+0	(0.29F)	0.1FP
+0	6.00	2.+0	0.FPw	(0.29F)	0.1w2
+1	6.08	F.10	0.ww+	(0.29F)	0.1P0
+2	6.1P	F.+0	0.618	(0.29F)	0.19P
+F	6.26	F.90	0.6+2	(0.29F)	0.21F
+w	6.FF	w.20	0.+06	(0.29F)	0.2F0
+6	6.w2	w.P0	0.+PP	(0.29F)	0.26P
++	6.60	6.+0	0.80+	(0.29F)	0.F0+
+P	6.68	1.90	0.2Pw	(0.29F)	0.10w
+8	6.+P	0.90	0.1F0	(0.29F)	0.0w9
+9	6.P6	0.+0	0.08+	(0.29F)	0.0FF
P0	6.8F	0.60	0.0P2	(0.29F)	0.02P
P1	6.92	0.F0	0.0wF	(0.29F)	0.01+
P2	+.00	0.20	0.029	(0.29F)	0.011
(Loss vate Not Used)					
Sub =	100.0			Sub =	8.9

Pro 2Yr6hr

Page 2 of 4



6Rw6	0.6099	0.+9	Q				V
6R60	0.61F0	0.w6	Q				V
6R66	0.6161	0.F1	Q				V
+R 0	0.61+6	0.20	Q				V
+R 6	0.61P1	0.08	Q				V
+R10	0.61P2	0.02	Q				V
+R16	0.61P2	0.00	Q				V

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Study date 0F/01/22 :ilex pro22+2.out

viMerside County Synthetic Unit Hydrology &ethod
vC:C W 7CD &annual date - April 19P8

English (in-15) Input Units Used
English vain=all Data (Inches) Input Values Used
English Units used in output =orbat

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Drainage Area 3      8.FF(Ac.) 3      0.01F Sq. &i.
Drainage Area =or Depth-Area Area1 Adjustbent 3      8.FF(Ac.) 3      0.01F Sq. &i.
Length along longest watercourse 3      99P.00(:t.)
Length along longest watercourse beasured to centroid 3      +99.00(:t.)
Length along longest watercourse 3      0.189 &i.
Length along longest watercourse beasured to centroid 3      0.096 &i.
Di=ifference in elevation 3      16.80(:t.)
Slope along watercourse 3      8F.fP60 :t./&i.
AMerage &anning4s 4N4 3 0.016
Lag tibe 3      0.0F+ Hr.
Lag tibe 3      2.02 &in.
26' o= lag tibe 3      0.60 &in.
+0' o= lag tibe 3      0.81 &in.
Unit tibe 3      6.00 &in.
Duration o= storb 3 2+ Hour(s)
User Entered %ase :low 3      0.00(C:S)

```

Area(Ac.)Y1[8.FF	vain=all(In)Y2[1.80	7eightingY1]2[1+.99

Area(Ac.)Y1[8.FF	vain=a]](In)Y2[+.60	7eightingY1]2[FP.+8

S*TV& EVEN* (BEAV) 3 2.00
Area AMerged 2-Bear vain=all 3 1.800(In)
Area AMerged 100-Bear vain=all 3 +.600(In)

```

point rain (area aMerged) 3    1.800(In)
Area1 adjustbent =actor 3    100.00 '
Adjusted aMerged point rain 3    1.800(In)

```

```

Su5-Area Daxx
Area(Ac.)      vuno== Inde0   IbperMious '
      8.FF0      6f.00      0.f60
*otal Area Entered 3      8.FF(Ac.)

```

VI	VI	In=il. vate	Iberpmious	Adj. In=il. vate	Area'	:
A&C2	A&C-1	(In/Hr)	(Dec.')	(In/Hr)	(Dec.)	(In/Hr)
6f.0	Ff.0	0.P0f	0.f60	0.29f	1.000	0.29f
					Sub (:)	3 0.29f

```
Area aMeraged bean soil loss (:) (In/Hr) 3 0.29F
&inibub soil loss rate ((In/Hr)) 3 0.1+f
(=or 2+ hour storb duration)
Soil low loss rate (decibal) 3 0.F80
```

Unit Hydrograph
VALLEB S-CurMe

Unit Hydrograph Data

Unit time period (hrs)	Time of lag	Distribution Graph	Unit Hydrograph (C: S)

1	0.08F	2+P.8PF	60.f1P	+ .2+9
2	0.1fP	+96. P+f	+0.18f	F.FP+
F	0.260	P+f.f18	P.090	0.696
+	0.FFF	991.+91	2.10P	0.1PP
		Sub 3	100.000	Sub3
				8.F96

*he =ollowing loss rate calculations re=lect use o= the binibub calculated loss rate su5tracted =rob the Storb vain to produce the ba0ibub E==ectiMe vain Malue

Unit	*ibe (Hr.)	mattern mercent	Storb vain (In/Hr)	Loss rate(In./Hr) &a0 Low	E==ectiMe (In/Hr)
1	0.08	0.0P	0.01+	(0.619)	0.006
2	0.1P	0.0P	0.01+	(0.61P)	0.006
F	0.26	0.0P	0.01+	(0.616)	0.006
+	0.FF	0.10	0.022	(0.61F)	0.008
6	0.+2	0.10	0.022	(0.611)	0.008
f	0.60	0.10	0.022	(0.609)	0.008
P	0.68	0.10	0.022	(0.60P)	0.008
8	0.fP	0.10	0.022	(0.606)	0.008
9	0.P6	0.10	0.022	(0.60F)	0.008
10	0.8F	0.1F	0.029	(0.601)	0.011
11	0.92	0.1F	0.029	(0.+99)	0.011
12	1.00	0.1F	0.029	(0.+98)	0.011
1F	1.08	0.10	0.022	(0.+9f)	0.008
1+	1.1P	0.10	0.022	(0.+9+)	0.008
16	1.26	0.10	0.022	(0.+92)	0.008
1f	1.FF	0.10	0.022	(0.+90)	0.008
1P	1.+2	0.10	0.022	(0.+88)	0.008
18	1.60	0.10	0.022	(0.+8f)	0.008
19	1.68	0.10	0.022	(0.+8+)	0.008
20	1.fP	0.10	0.022	(0.+82)	0.008
21	1.P6	0.10	0.022	(0.+80)	0.008
22	1.8F	0.1F	0.029	(0.+P8)	0.011
2F	1.92	0.1F	0.029	(0.+Pf)	0.011
2+	2.00	0.1F	0.029	(0.+P+)	0.011
26	2.08	0.1F	0.029	(0.+P2)	0.011
2f	2.1P	0.1F	0.029	(0.+P0)	0.011
2P	2.26	0.1F	0.029	(0.+f8)	0.011
28	2.FF	0.1F	0.029	(0.+fP)	0.011
29	2.+2	0.1F	0.029	(0.+f6)	0.011
F0	2.60	0.1F	0.029	(0.+fF)	0.011
F1	2.68	0.1P	0.0Ff	(0.+f1)	0.01+
F2	2.fP	0.1P	0.0Ff	(0.+69)	0.01+
FF	2.P6	0.1P	0.0Ff	(0.+6P)	0.01+
F+	2.8F	0.1P	0.0Ff	(0.+66)	0.01+
F6	2.92	0.1P	0.0Ff	(0.+6f)	0.01+
Ff	F.00	0.1P	0.0Ff	(0.+61)	0.01+
FP	F.08	0.1P	0.0Ff	(0.+60)	0.01+
F8	F.1P	0.1P	0.0Ff	(0.++8)	0.01+
F9	F.26	0.1P	0.0Ff	(0.++f)	0.01+
+0	F.FF	0.1P	0.0Ff	(0.+++)	0.01+
+1	F.+2	0.1P	0.0Ff	(0.++2)	0.01+
+2	F.60	0.1P	0.0Ff	(0.++0)	0.01+
+F	F.68	0.1P	0.0Ff	(0.+f8)	0.01+
++	F.fP	0.1P	0.0Ff	(0.+fP)	0.01+
+6	F.P6	0.1P	0.0Ff	(0.+f6)	0.01+
+	F.8F	0.20	0.0+f	(0.+fF)	0.01f
+P	F.92	0.20	0.0+f	(0.+f1)	0.01f
+8	+.00	0.20	0.0+f	(0.+29)	0.01f
+9	+.08	0.20	0.0+f	(0.+2P)	0.01f
60	+.1P	0.20	0.0+f	(0.+2f)	0.01f
61	+.26	0.20	0.0+f	(0.+2+)	0.01f
62	+.FF	0.2F	0.060	(0.+22)	0.019
6F	+.+2	0.2F	0.060	(0.+20)	0.019
6+	+.60	0.2F	0.060	(0.+18)	0.019
66	+.68	0.2F	0.060	(0.+1P)	0.019
6f	+.fP	0.2F	0.060	(0.+16)	0.019
6P	+.P6	0.2F	0.060	(0.+1f)	0.019
68	+.8F	0.2P	0.068	(0.+11)	0.022
69	+.92	0.2P	0.068	(0.+09)	0.022
f0	6.00	0.2P	0.068	(0.+08)	0.022
f1	6.08	0.20	0.0+f	(0.+0f)	0.01f
f2	6.1P	0.20	0.0+f	(0.+0+)	0.01f
ff	6.26	0.20	0.0+f	(0.+02)	0.01f
f+	6.FF	0.2F	0.060	(0.+01)	0.019
f6	6.+2	0.2F	0.060	(0.F99)	0.019
ff	6.60	0.2F	0.060	(0.F9P)	0.019
fP	6.68	0.2P	0.068	(0.F96)	0.022
f8	6.fP	0.2P	0.068	(0.F9+)	0.022
f9	6.P6	0.2P	0.068	(0.F92)	0.022
P0	6.8F	0.2P	0.068	(0.F90)	0.022
P1	6.92	0.2P	0.068	(0.F88)	0.022
P2	f.00	0.2P	0.068	(0.F8P)	0.022
PF	f.08	0.F0	0.0f6	(0.F86)	0.026
P+	f.1P	0.F0	0.0f6	(0.F8F)	0.026

Pro 2Yr24hr

Page 2 of 9

P6	f.26	0.F0	0.0f6	(0.F82)	0.026	0.0+0
Pf	f.FF	0.F0	0.0f6	(0.F80)	0.026	0.0+0
PP	f.+2	0.F0	0.0f6	(0.FP8)	0.026	0.0+0
P8	f.60	0.F0	0.0f6	(0.FPP)	0.026	0.0+0
P9	f.68	0.FF	0.0P2	(0.FP6)	0.02P	0.0+6
80	f.fP	0.FF	0.0P2	(0.FPF)	0.02P	0.0+6
81	f.p6	0.FF	0.0P2	(0.FP1)	0.02P	0.0+6
82	f.8F	0.FF	0.0P2	(0.FP0)	0.02P	0.0+6
8F	f.92	0.FF	0.0P2	(0.Ff8)	0.02P	0.0+6
8+	P.00	0.FF	0.0P2	(0.Fff)	0.02P	0.0+6
86	P.08	0.FF	0.0P2	(0.Ff6)	0.02P	0.0+6
8f	P.1P	0.FF	0.0P2	(0.Fff)	0.02P	0.0+6
8P	P.26	0.FF	0.0P2	(0.Ff1)	0.02P	0.0+6
88	P.FF	0.FP	0.0P9	(0.Ff0)	0.0F0	0.0+9
89	P.+2	0.FP	0.0P9	(0.F68)	0.0F0	0.0+9
90	P.60	0.FP	0.0P9	(0.F6f)	0.0F0	0.0+9
91	P.68	0.+0	0.08f	(0.F66)	0.0FF	0.06+
92	P.fP	0.+0	0.08f	(0.F6f)	0.0FF	0.06+
9F	P.p6	0.+0	0.08f	(0.F62)	0.0FF	0.06+
9+	P.8F	0.+F	0.09+	(0.F60)	0.0Ff	0.068
96	P.92	0.+F	0.09+	(0.F+8)	0.0Ff	0.068
9f	8.00	0.+F	0.09+	(0.F+P)	0.0Ff	0.068
9P	8.08	0.60	0.108	(0.F+6)	0.0+1	0.0fP
98	8.1P	0.60	0.108	(0.F++)	0.0+1	0.0fP
99	8.26	0.60	0.108	(0.F+2)	0.0+1	0.0fP
100	8.FF	0.60	0.108	(0.F+0)	0.0+1	0.0fP
101	8.+2	0.60	0.108	(0.FF9)	0.0+1	0.0fP
102	8.60	0.60	0.108	(0.FFP)	0.0+1	0.0fP
10F	8.68	0.6F	0.116	(0.FFF)	0.0++	0.0P1
10+	8.fP	0.6F	0.116	(0.FF+)	0.0++	0.0P1
106	8.p6	0.6F	0.116	(0.FF2)	0.0++	0.0P1
10f	8.8F	0.6P	0.122	(0.FF1)	0.0+P	0.0Pf
10P	8.92	0.6P	0.122	(0.F29)	0.0+P	0.0Pf
108	9.00	0.6P	0.122	(0.F28)	0.0+P	0.0Pf
109	9.08	0.fF	0.1FP	(0.F2f)	0.062	0.086
110	9.1P	0.fF	0.1FP	(0.F26)	0.062	0.086
111	9.26	0.fF	0.1FP	(0.F2f)	0.062	0.086
112	9.FF	0.fP	0.1++	(0.F22)	0.066	0.089
11F	9.+2	0.fP	0.1++	(0.F20)	0.066	0.089
11+	9.60	0.fP	0.1++	(0.F18)	0.066	0.089
116	9.68	0.P0	0.161	(0.F1P)	0.06P	0.09+
11f	9.fP	0.P0	0.161	(0.F16)	0.06P	0.09+
11P	9.p6	0.P0	0.161	(0.F1+)	0.06P	0.09+
118	9.8F	0.PF	0.168	(0.F12)	0.0F0	0.098
119	9.92	0.PF	0.168	(0.F11)	0.0F0	0.098
120	10.00	0.PF	0.168	(0.F09)	0.0F0	0.098
121	10.08	0.60	0.108	(0.F08)	0.0+1	0.0fP
122	10.1P	0.60	0.108	(0.F0f)	0.0+1	0.0fP
12F	10.26	0.60	0.108	(0.F06)	0.0+1	0.0fP
12+	10.FF	0.60	0.108	(0.F0f)	0.0+1	0.0fP
126	10.+2	0.60	0.108	(0.F02)	0.0+1	0.0fP
12f	10.60	0.60	0.108	(0.F00)	0.0+1	0.0fP
12P	10.68	0.fP	0.1++	(0.299)	0.066	0.089
128	10.fP	0.fP	0.1++	(0.298)	0.066	0.089
129	10.p6	0.fP	0.1++	(0.29f)	0.066	0.089
1F0	10.8F	0.fP	0.1++	(0.296)	0.066	0.089
1F1	10.92	0.fP	0.1++	(0.29f)	0.066	0.089
1F2	11.00	0.fP	0.1++	(0.292)	0.066	0.089
1FF	11.08	0.fF	0.1FP	(0.290)	0.062	0.086
1F+	11.1P	0.fF	0.1FP	(0.289)	0.062	0.086
1F6	11.26	0.fF	0.1FP	(0.28P)	0.062	0.086
1Ff	11.FF	0.fF	0.1FP	(0.28f)	0.062	0.086
1FP	11.+2	0.fF	0.1FP	(0.286)	0.062	0.086
1F8	11.60	0.fF	0.1FP	(0.28f)	0.062	0.086
1F9	11.68	0.6P	0.122	(0.282)	0.0+P	0.0Pf
1+0	11.fP	0.6P	0.122	(0.280)	0.0+P	0.0Pf
1+1	11.p6	0.6P	0.122	(0.2P9)	0.0+P	0.0Pf
1+2	11.8F	0.f0	0.1F0	(0.2P8)	0.0+9	0.080
1+f	11.92	0.f0	0.1F0	(0.2Pf)	0.0+9	0.080
1++	12.00	0.f0	0.1F0	(0.2P6)	0.0+9	0.080
1+6	12.08	0.8F	0.180	(0.2Pf)	0.0f8	0.112
1+f	12.1P	0.8F	0.180	(0.2P2)	0.0f8	0.112
1+P	12.26	0.8F	0.180	(0.2P1)	0.0f8	0.112
1+8	12.FF	0.8P	0.18P	(0.2f9)	0.0P1	0.11f
1+9	12.+2	0.8P	0.18P	(0.2f8)	0.0P1	0.11f
160	12.60	0.8P	0.18P	(0.2fp)	0.0P1	0.11f
161	12.68	0.9F	0.202	(0.2f6)	0.0PP	0.126
162	12.fP	0.9F	0.202	(0.2f+)	0.0PP	0.126
16F	12.p6	0.9F	0.202	(0.2ff)	0.0PP	0.126
16+	12.8F	0.9P	0.209	(0.2f1)	0.0P9	0.129
166	12.92	0.9P	0.209	(0.2f0)	0.0P9	0.129
16f	1F.00	0.9P	0.209	(0.269)	0.0P9	0.129
16P	1F.08	1.1F	0.2+6	(0.26P)	0.09F	0.162
168	1F.1P	1.1F	0.2+6	(0.26f)	0.09F	0.162
169	1F.26	1.1F	0.2+6	(0.266)	0.09F	0.162
1f0	1F.FF	1.1F	0.2+6	(0.26+)	0.09F	0.162
1f1	1F.+2	1.1F	0.2+6	(0.262)	0.09F	0.162

Pro 2yr24hr

Page 3 of 9

1f2	1F.60	1.1F	0.2+6	(0.261)	0.09F	0.162
1ff	1F.68	0. PP	0.1ff	(0.260)	0.0ff	0.10F
1f+	1F. fP	0. PP	0.1ff	(0.2+8)	0.0ff	0.10F
1f6	1F. P6	0. PP	0.1ff	(0.2+P)	0.0ff	0.10F
1ff	1F.8F	0. PP	0.1ff	(0.2+f)	0.0ff	0.10F
1fP	1F.92	0. PP	0.1ff	(0.2+6)	0.0ff	0.10F
1f8	1+.00	0. PP	0.1ff	(0.2+f)	0.0ff	0.10F
1f9	1+.08	0.90	0.19+	(0.2+2)	0.0P+	0.121
1P0	1+.1P	0.90	0.19+	(0.2+1)	0.0P+	0.121
1P1	1+.26	0.90	0.19+	(0.2+0)	0.0P+	0.121
1P2	1+.FF	0.8P	0.18P	(0.2F8)	0.0P1	0.11f
1PF	1+. +2	0.8P	0.18P	(0.2FP)	0.0P1	0.11f
1P+	1+.60	0.8P	0.18P	(0.2Ff)	0.0P1	0.11f
1P6	1+.68	0.8P	0.18P	(0.2F6)	0.0P1	0.11f
1Pf	1+. fP	0.8P	0.18P	(0.2F+)	0.0P1	0.11f
1PP	1+. P6	0.8P	0.18P	(0.2F2)	0.0P1	0.11f
1P8	1+.8F	0.8F	0.180	(0.2F1)	0.0f8	0.112
1P9	1+.92	0.8F	0.180	(0.2F0)	0.0f8	0.112
180	16.00	0.8F	0.180	(0.229)	0.0f8	0.112
181	16.08	0.80	0.1PF	(0.228)	0.0ff	0.10P
182	16.1P	0.80	0.1PF	(0.22f)	0.0ff	0.10P
18F	16.26	0.80	0.1PF	(0.226)	0.0ff	0.10P
18+	16. FF	0. PP	0.1ff	(0.22+)	0.0ff	0.10F
186	16. +2	0. PP	0.1ff	(0.22f)	0.0ff	0.10F
18f	16.60	0. PP	0.1ff	(0.222)	0.0ff	0.10F
18P	16.68	0. ff	0.1FP	(0.221)	0.062	0.086
188	16. fP	0. ff	0.1FP	(0.220)	0.062	0.086
189	16. P6	0. ff	0.1FP	(0.218)	0.062	0.086
190	16.8F	0. ff	0.1FP	(0.21P)	0.062	0.086
191	16.92	0. ff	0.1FP	(0.21f)	0.062	0.086
192	1f.00	0. ff	0.1FP	(0.216)	0.062	0.086
19F	1f.08	0.1F	0.029	(0.21+)	0.011	0.018
19+	1f.1P	0.1F	0.029	(0.21F)	0.011	0.018
196	1f.26	0.1F	0.029	(0.212)	0.011	0.018
19f	1f. FF	0.1F	0.029	(0.211)	0.011	0.018
19P	1f. +2	0.1F	0.029	(0.210)	0.011	0.018
198	1f.60	0.1F	0.029	(0.209)	0.011	0.018
199	1f.68	0.10	0.022	(0.208)	0.008	0.01F
200	1f. fP	0.10	0.022	(0.20P)	0.008	0.01F
201	1f. P6	0.10	0.022	(0.206)	0.008	0.01F
202	1f.8F	0.10	0.022	(0.20+)	0.008	0.01F
20F	1f.92	0.10	0.022	(0.20f)	0.008	0.01F
20+	1P.00	0.10	0.022	(0.202)	0.008	0.01F
206	1P.08	0.1P	0.0ff	(0.201)	0.01+	0.022
20f	1P.1P	0.1P	0.0ff	(0.200)	0.01+	0.022
20P	1P.26	0.1P	0.0ff	(0.199)	0.01+	0.022
208	1P. FF	0.1P	0.0ff	(0.198)	0.01+	0.022
209	1P. +2	0.1P	0.0ff	(0.19P)	0.01+	0.022
210	1P.60	0.1P	0.0ff	(0.19f)	0.01+	0.022
211	1P.68	0.1P	0.0ff	(0.196)	0.01+	0.022
212	1P. fP	0.1P	0.0ff	(0.19+)	0.01+	0.022
21F	1P. P6	0.1P	0.0ff	(0.19f)	0.01+	0.022
21+	1P.8F	0.1F	0.029	(0.192)	0.011	0.018
216	1P.92	0.1F	0.029	(0.192)	0.011	0.018
21f	18.00	0.1F	0.029	(0.191)	0.011	0.018
21P	18.08	0.1F	0.029	(0.190)	0.011	0.018
218	18.1P	0.1F	0.029	(0.189)	0.011	0.018
219	18.26	0.1F	0.029	(0.188)	0.011	0.018
220	18. FF	0.1F	0.029	(0.18P)	0.011	0.018
221	18. +2	0.1F	0.029	(0.18f)	0.011	0.018
222	18.60	0.1F	0.029	(0.186)	0.011	0.018
22F	18.68	0.10	0.022	(0.18+)	0.008	0.01F
22+	18. fP	0.10	0.022	(0.18f)	0.008	0.01F
226	18. P6	0.10	0.022	(0.182)	0.008	0.01F
22f	18.8F	0.0P	0.01+	(0.182)	0.006	0.009
22P	18.92	0.0P	0.01+	(0.181)	0.006	0.009
228	19.00	0.0P	0.01+	(0.180)	0.006	0.009
229	19.08	0.10	0.022	(0.1P9)	0.008	0.01F
2F0	19.1P	0.10	0.022	(0.1P8)	0.008	0.01F
2F1	19.26	0.10	0.022	(0.1PP)	0.008	0.01F
2F2	19. FF	0.1F	0.029	(0.1Pf)	0.011	0.018
2FF	19. +2	0.1F	0.029	(0.1Pf)	0.011	0.018
2F+	19.60	0.1F	0.029	(0.1P6)	0.011	0.018
2F6	19.68	0.10	0.022	(0.1P+)	0.008	0.01F
2Ff	19. fP	0.10	0.022	(0.1PF)	0.008	0.01F
2FP	19. P6	0.10	0.022	(0.1P2)	0.008	0.01F
2F8	19.8F	0.0P	0.01+	(0.1P2)	0.006	0.009
2F9	19.92	0.0P	0.01+	(0.1P1)	0.006	0.009
2+0	20.00	0.0P	0.01+	(0.1P0)	0.006	0.009
2+1	20.08	0.10	0.022	(0.1f9)	0.008	0.01F
2+2	20.1P	0.10	0.022	(0.1f9)	0.008	0.01F
2+f	20.26	0.10	0.022	(0.1f8)	0.008	0.01F
2++	20. FF	0.10	0.022	(0.1fP)	0.008	0.01F
2+6	20. +2	0.10	0.022	(0.1ff)	0.008	0.01F
2+f	20.60	0.10	0.022	(0.1ff)	0.008	0.01F
2+P	20.68	0.10	0.022	(0.1f6)	0.008	0.01F
2+8	20. fP	0.10	0.022	(0.1f+)	0.008	0.01F

Pro 2yr24hr

Page 4 of 9

Sub 3	100.0	Sub 3	1F.+
:lood Molube 3	E==ectiMe rain=all	1.12(In)	
tibes area	8.F(AC.:)Y(In)/(:t:)[3	0.8(AC.:t)	
*total soil loss 3	0.8(In)		
*total soil loss 3	0.+P6(AC.:t)		
*total rain=all 3	1.80(In)		
:lood Molube 3	FFP+++.9 Cu5ic :eet		
*total soil loss 3	20f82+. Cu5ic :eet		

*ibe(hrb)	volube	AC.:t	Q(C:S)	0	2.6	6.0	P.6	10.0
0R 6	0.000F	0.0+	Q					
0R10	0.000P	0.0P	Q					
0R16	0.0012	0.0P	Q					
0R20	0.0019	0.09	Q					
0R26	0.002f	0.11	Q					
0RF0	0.00F+	0.11	Q					
0RF6	0.00+2	0.11	Q					
0R+0	0.0060	0.11	Q					
0R+6	0.006P	0.11	Q					
0R60	0.00ff	0.1F	Q					
0R66	0.00Pf	0.16	Q					
1R 0	0.008P	0.16	Q					
1R 6	0.009f	0.1F	Q					
1R10	0.010+	0.12	Q					
1R16	0.0112	0.11	Q					
1R20	0.0119	0.11	Q					
1R26	0.012P	0.11	Q					
1RF0	0.01F6	0.11	Q					
1RF6	0.01+2	0.11	Q					
1R+0	0.0160	0.11	Q					
1R+6	0.0168	0.11	Q					
1R60	0.01fP	0.1F	Q					
1R66	0.01PP	0.16	Q					
2R 0	0.018P	0.16	Q					
2R 6	0.0198	0.16	QV					
2R10	0.0208	0.16	QV					

2R16	0.0218	0.16	QV				
2R20	0.0229	0.16	QV				
2R26	0.02F9	0.16	QV				
2RF0	0.02+9	0.16	QV				
2RF6	0.02f1	0.1P	QV				
2R+0	0.02P+	0.18	QV				
2R+6	0.028P	0.19	QV				
2R60	0.0299	0.19	QV				
2R66	0.0F12	0.19	QV				
FR 0	0.0F26	0.19	QV				
FR 6	0.0FF8	0.19	QV				
FR10	0.0F61	0.19	QV				
FR16	0.0Ff+	0.19	QV				
FR20	0.0FPP	0.19	QV				
FR26	0.0F90	0.19	Q V				
FRF0	0.0+0F	0.19	Q V				
FRF6	0.0+1f	0.19	Q V				
FR+0	0.0+29	0.19	Q V				
FR+6	0.0++1	0.19	Q V				
FR60	0.0+6f	0.21	Q V				
FR66	0.0+P1	0.22	Q V				
+R 0	0.0+8f	0.22	Q V				
+R 6	0.0602	0.22	Q V				
+R10	0.061P	0.22	Q V				
+R16	0.06FF	0.22	Q V				
+R20	0.0660	0.2+	Q V				
+R26	0.06f8	0.2F	QV				
+RF0	0.068f	0.2F	Q V				
+RF6	0.0F0+	0.2F	Q V				
+R+0	0.0f22	0.2F	Q V				
+R+6	0.0f+0	0.2F	Q V				
+R60	0.0f69	0.28	Q V				
+R66	0.0f80	0.F0	Q V				
GR 0	0.0P00	0.F0	Q V				
GR 6	0.0P18	0.2f	Q V				
GR10	0.0PF+	0.2F	Q V				
GR16	0.0P60	0.2F	Q V				
GR20	0.0PfP	0.2+	Q V				
GR26	0.0P8+	0.2F	Q V				
GRF0	0.0802	0.2F	Q V				
GRF6	0.0822	0.28	Q V				
GR+0	0.08+2	0.F0	Q V				
GR+6	0.08fF	0.F0	Q V				
GR60	0.088+	0.F0	Q V				
GR66	0.090+	0.F0	Q V				
FR 0	0.0926	0.F0	Q V				
FR 6	0.09+P	0.F2	Q V				
FR10	0.09P0	0.FF	Q V				
FR16	0.099F	0.F+	Q V				
FR20	0.101f	0.F+	Q V				
FR26	0.10F9	0.F+	Q V				
FRF0	0.10fF	0.F+	Q V				
FRF6	0.108P	0.FF	Q V				
FR+0	0.111F	0.FP	Q V				
FR+6	0.11f9	0.FP	Q V				
FR60	0.11f+	0.FP	Q V				
FR66	0.1190	0.FP	Q V				
PR 0	0.121f	0.FP	Q V				
PR 6	0.12+2	0.FP	Q V				
PR10	0.12f8	0.FP	Q V				
PR16	0.129+	0.FP	Q V				
PR20	0.1F21	0.F9	Q V				
PR26	0.1F+9	0.+1	Q V				
PRF0	0.1FPP	0.+1	Q V				
PRF6	0.1+0P	0.+F	Q V				
PR+0	0.1+F8	0.+6	Q V				
PR+6	0.1+f9	0.+6	Q V				
PR60	0.1601	0.+P	Q V				
PR66	0.16F+	0.+8	Q V				
8R 0	0.16f8	0.+9	Q V				
8R 6	0.1f0+	0.6F	Q V				
8R10	0.1f+2	0.6f	Q V				
8R16	0.1f81	0.6f	Q V				
8R20	0.1P20	0.6f	Q V				
8R26	0.1P68	0.6f	Q V				
8RF0	0.1P9P	0.6f	Q V				
8RF6	0.18FP	0.68	Q V				
8R+0	0.18P8	0.f0	Q V				
8R+6	0.1919	0.f0	Q V				
8R60	0.19f2	0.f2	Q V				
8R66	0.200f	0.fF	Q V				
9R 0	0.20+9	0.f+	Q V				
9R 6	0.209f	0.f8	Q V				
9R10	0.21+6	0.P1	Q V				
9R16	0.219+	0.P1	Q V				
9R20	0.22++	0.PF	Q V				
9R26	0.2296	0.P6	Q V				

9RF0	0.2F+P	0. P6	Q	V			
9RF6	0.2+00	0. PP	Q	V			
9R+0	0.2+6+	0. P8	Q	V			
9R+6	0.2608	0. P9	Q	V			
9R60	0.26f+	0. 81	Q	V			
9R66	0.2f20	0. 82	Q	V			
10R 0	0.2fPP	0. 82	Q	V			
10R 6	0.2P26	0. f9	Q	V			
10R10	0.2Pf6	0. 69	Q	V			
10R16	0.280+	0. 6P	Q	V			
10R20	0.28+F	0. 6f	Q	V			
10R26	0.2882	0. 6f	Q	V			
10RF0	0.2920	0. 6f	Q	V			
10RF6	0.29ff	0. ff	Q	V			
10R+0	0.F01f	0. PF	Q	V			
10R+6	0.F0fP	0. P6	Q	V			
10R60	0.F119	0. P6	Q	V			
10R66	0.F1P1	0. P6	Q	V			
11R 0	0.F222	0. P6	Q	V			
11R 6	0.F2PF	0. PF	Q	V			
11R10	0.FF22	0. P2	Q	V			
11R16	0.FFP1	0. P1	Q	V			
11R20	0.F+20	0. P1	Q	V			
11R26	0.F+f9	0. P1	Q	V			
11RF0	0.F618	0. P1	Q	V			
11RF6	0.F6f6	0. fP	Q	V			
11R+0	0.Ff09	0. f+	Q	V			
11R+6	0.Ff6F	0. f+	Q	V			
11R60	0.Ff98	0. ff	Q	V			
11R66	0.FP+6	0. fP	Q	V			
12R 0	0.FP91	0. fP	Q	V			
12R 6	0.F8+P	0. 81	Q	V			
12R10	0.F909	0. 91	Q	V			
12R16	0.F9P+	0. 9F	Q	V			
12R20	0.+0+0	0. 9f	Q	V			
12R26	0.+10f	0. 9P	Q	V			
12RF0	0.+1P+	0. 9P	Q	V			
12RF6	0.+2+F	1. 01	Q	V			
12R+0	0.+F16	1. 0+	Q	V			
12R+6	0.+F8P	1. 06	Q	V			
12R60	0.++f1	1. 0P	Q	V			
12R66	0.+6Ff	1. 08	Q	V			
1FR 0	0.+f10	1. 09	Q	V			
1FR 6	0.+f92	1. 18	Q	V			
1FR10	0.+PP8	1. 2f	Q	V			
1FR16	0.+8ff	1. 2P	Q	V			
1FR20	0.+.96+	1. 2P	Q	V			
1FR26	0.60+2	1. 2P	Q	V			
1FRF0	0.6129	1. 2P	Q	V			
1FRF6	0.620F	1. 0P	Q	V			
1FR+0	0.62f6	0. 90	Q	V			
1FR+6	0.6F26	0. 8P	Q	V			
1FR60	0.6F8+	0. 8f	Q	V			
1FR66	0.6+++	0. 8f	Q	V			
1+R 0	0.660F	0. 8f	Q	V			
1+R 6	0.66f8	0. 9+	Q	V			
1+R10	0.6ffF	1. 00	Q	V			
1+R16	0.6P0f	1. 01	Q	V			
1+R20	0.6PP+	0. 99	Q	V			
1+R26	0.68+2	0. 98	Q	V			
1+RF0	0.6909	0. 98	Q	V			
1+RF6	0.69Pf	0. 9P	Q	V			
1+R+0	0.f0+F	0. 9P	Q	V			
1+R+6	0.f110	0. 9P	Q	V			
1+R60	0.f1Pf	0. 9f	Q	V			
1+R66	0.f2+1	0. 9+	Q	V			
16R 0	0.fF06	0. 9+	Q	V			
16R 6	0.fFf9	0. 92	Q	V			
16R10	0.f+f1	0. 90	Q	V			
16R16	0.f+9F	0. 90	Q	V			
16R20	0.f66+	0. 88	Q	V			
16R26	0.ffa1F	0. 8P	Q	V			
16RF0	0.ffaPF	0. 8f	Q	V			
16RF6	0.fP2P	0. P9	Q	V			
16R+0	0.fPPP	0. PF	Q	V			
16R+6	0.f82f	0. P2	Q	V			
16R60	0.f8P6	0. P1	Q	V			
16R66	0.f92+	0. P1	Q	V			
1fR 0	0.f9PF	0. P1	Q	V			
1fR 6	0.P00F	0. +F	Q	V			
1fR10	0.P01P	0. 20	Q	V			
1fR16	0.P028	0. 1f	Q	V			
1fR20	0.P0F8	0. 16	Q	V			
1fR26	0.P0+8	0. 16	Q	V			
1fRF0	0.P069	0. 16	Q	V			
1fRF6	0.P0f8	0. 1f	Q	V			
1fR+0	0.P0Pf	0. 12	Q	V			

1FR+6	0.P08+	0.11	Q				V
1FR60	0.P091	0.11	Q				V
1FR66	0.P099	0.11	Q				V
1PR 0	0.P10P	0.11	Q				V
1PR 6	0.P11P	0.16	Q				V
1PR10	0.P1F0	0.18	Q				V
1PR16	0.P1+2	0.19	Q				V
1PR20	0.P166	0.19	Q				V
1PR26	0.P1f8	0.19	Q				V
1PRF0	0.P181	0.19	Q				V
1PRF6	0.P19+	0.19	Q				V
1PR+0	0.P20P	0.19	Q				V
1PR+6	0.P220	0.19	Q				V
1PR60	0.P2F2	0.1P	Q				V
1PR66	0.P2+2	0.16	Q				V
18R 0	0.P262	0.16	Q				V
18R 6	0.P2fF	0.16	Q				V
18R10	0.P2PF	0.16	Q				V
18R16	0.P28F	0.16	Q				V
18R20	0.P29+	0.16	Q				V
18R26	0.PF0+	0.16	Q				V
18RF0	0.PF1+	0.16	Q				V
18RF6	0.PF2F	0.1F	Q				V
18R+0	0.PFF1	0.12	Q				V
18R+6	0.PFF9	0.11	Q				V
18R60	0.PF+f	0.09	Q				V
18R66	0.PF61	0.08	Q				V
19R 0	0.PF6f	0.08	Q				V
19R 6	0.PFfF	0.09	Q				V
19R10	0.PFP0	0.11	Q				V
19R16	0.PFP8	0.11	Q				V
19R20	0.PF8P	0.1F	Q				V
19R26	0.PF9P	0.16	Q				V
19RF0	0.P+0P	0.16	Q				V
19RF6	0.P+1f	0.1F	Q				V
19R+0	0.P+2+	0.12	Q				V
19R+6	0.P+F2	0.11	Q				V
19R60	0.P+F9	0.09	Q				V
19R66	0.P+ ++	0.08	Q				V
20R 0	0.P+ +9	0.08	Q				V
20R 6	0.P+6f	0.09	Q				V
20R10	0.P+ fF	0.11	Q				V
20R16	0.P+P1	0.11	Q				V
20R20	0.P+P9	0.11	Q				V
20R26	0.P+8f	0.11	Q				V
20RF0	0.P+9+	0.11	Q				V
20RF6	0.P602	0.11	Q				V
20R+0	0.P610	0.11	Q				V
20R+6	0.P61P	0.11	Q				V
20R60	0.P62+	0.09	Q				V
20R66	0.P629	0.08	Q				V
21R 0	0.P6F+	0.08	Q				V
21R 6	0.P6+1	0.09	Q				V
21R10	0.P6+8	0.11	Q				V
21R16	0.P66f	0.11	Q				V
21R20	0.P6fF	0.09	Q				V
21R26	0.P6f8	0.08	Q				V
21RF0	0.P6PF	0.08	Q				V
21RF6	0.P680	0.09	Q				V
21R+0	0.P68P	0.11	Q				V
21R+6	0.P696	0.11	Q				V
21R60	0.Pf01	0.09	Q				V
21R66	0.Pf0P	0.08	Q				V
22R 0	0.Pf12	0.08	Q				V
22R 6	0.Pf18	0.09	Q				V
22R10	0.Pf2f	0.11	Q				V
22R16	0.PfF+	0.11	Q				V
22R20	0.Pf+0	0.09	Q				V
22R26	0.Pf+6	0.08	Q				V
22RF0	0.Pf61	0.08	Q				V
22RF6	0.Pf6f	0.0P	Q				V
22R+0	0.Pff1	0.0P	Q				V
22R+6	0.Pfff	0.0P	Q				V
22R60	0.PfP1	0.0P	Q				V
22R66	0.PfPP	0.0P	Q				V
2FR 0	0.Pf82	0.0P	Q				V
2FR 6	0.Pf8P	0.0P	Q				V
2FR10	0.Pf92	0.0P	Q				V
2FR16	0.Pf9P	0.0P	Q				V
2FR20	0.PP02	0.0P	Q				V
2FR26	0.PP0P	0.0P	Q				V
2FRF0	0.PP1F	0.0P	Q				V
2FRF6	0.PP18	0.0P	Q				V
2FR+0	0.PP2F	0.0P	Q				V
2FR+6	0.PP28	0.0P	Q				V
2FR60	0.PPFF	0.0P	Q				V
2FR66	0.PPF8	0.0P	Q				V

2+R 0	0. PP++	0.0P	Q				V
2+R 6	0. PP+f	0.0+	Q				V
2+R10	0. PP+P	0.01	Q				V
2+R16	0. PP+P	0.00	Q				V

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viMerside County Synthetic Unit Hydrology &ethod
vC:C W 7CD &annual date - April 19P8

English (in-15) Input Units Used
English vainfall Data (Inches) Input Values Used
English Units used in output forbat

```

Drainage Area =      8.FF(Ac.) =      0.01F S3. &i.
Drainage Area for Depth-Area Area Adjustbent =      8.FF(Ac.) =      0.01F S3. &i.
Length along longest jatercourse =      99P.00(:t.)
Length along longest jatercourse beasured to centroid =      w99.00(:t.)
Length along longest jatercourse =      0.189 &i.
Length along longest jatercourse beasured to centroid =      0.09+ &i.
Difference in elevation =      1+.80(:t.)
Slope along jatercourse =      8F.6P+0 :t./&i.
AMerage &anning4s 4N4 = 0.01+
Lag tibe =      0.0Fw Hr.
Lag tibe =      2.02 &i.
2+ of lag tibe =      0+.0 &i.
w0' of lag tibe =      0.81 &i.
Unit tibe =      +.00 &i.
Duration of storb = 1 Hour(s)
User Entered %ase :loj =      0.00(C:S)

```

Area(Ac.)Y1[	vainfall(In)Y2[	7eightingY1]2[
8.FF	0.+0	w.1P

Area(Ac.)Y1[	vainfall(In)Y2[	7eightingY1]2[
8.FF	1.20	10.00

S*TV& EVEN* (BEAV) = +.00
Area AMerged 2-Bear vainfall = 0.+00(In)
Area AMerged 100-Bear vainfall = 1.200(In)

point rain (area aMerged) = 0.66w(In)
 Area adjustment factor = 99.99'
 Adjusted aMerge point rain = 0.66w(In)

```

Su5-Area Daxx
Area(Ac.)      vunoff Inde0   IbperMious '
      8.FF0      +6.00      0.6+0
*otal Area Entered =      8.FF(Ac.)

```

VI	VI	Infil. vate	Iberpmious	Adq. Infil. vate	Area'	:
A&C2	A&C-1	(In/Hr)	(Dec.')	(In/Hr)	(Dec.)	(In/Hr)
+6.0	F6.0	0.P06	0.6+0	0.29F	1.000	0.29F
					Sub (:)	= 0.29F

Area aMeraged bean soil loss (:) (In/Hr) = 0.29F
 &inibub soil loss rate ((In/Hr)) = 0.1w6
 (for 2w hour storb duration)
 Soil loj loss rate (decibal) = 0.F80

slope of intensity-duration curve for a 1 hour storm = 0.4000

Unit Hydrograph
VALLEB S-CurMe

Unit Hydrograph Data

Unit time period	*time of lag	Distribution	Unit Hydrograph

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[illegible]

```
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```

```

Drainage Area =      8.8F(Ac.) =      0.01F S3. &i.
Drainage Area for Depth-Area Area Adjustbent =      8.8F(Ac.) =      0.01F S3. &i.
Length along longest jatercourse =      99P.00(:t.)
Length along longest jatercourse beasured to centroid =      w99.00(:t.)
Length along longest jatercourse =      0.189 &i.
Length along longest jatercourse beasured to centroid =      0.09+ &i.
Difference in elevation =      1+.80(:t.)
Slope along jatercourse =      8F.6P+0 :t./&i.
AMerage &anning4s 4N4 = 0.01+
Lag tibe =      0.0Fw Hr.
Lag tibe =      2.02 &i.
2+ of lag tibe =      0+.0 &i.
w0' of lag tibe =      0.81 &i.
Unit tibe =      +.00 &i.
Duration of storb = F Hour(s)
User Entered %ase :loj =      0.00(C:S)

```

Area(Ac.)Y1[	vainfall(In)Y2[	7eightingY1]2[
8.FF	0.80	6.66

100 BEAv Area rainfall datax

Area(Ac.)Y1[8.FF	vainfall(In)Y2[1.90	7eightingY1]2[1+.8F

S*TV& EVEN* (BEAV) = +.00
Area AMerged 2-Bear vainfall = 0.800(In)
Area AMerged 100-Bear vainfall = 1.900(In)

```

point rain (area aMerged) = 1.0+8(In)
AreaI adqustbent factor = 100.00 '
Adqusted aMerge point rain = 1.0+8(In)

```

```

Su5-Area Daxx
Area(Ac.)      vunoff Inde0   IbperMious '
      8.FF0      +6.00      0.6+0
*otal Area Entered =      8.FF(Ac.)

```

VI	VI	Infil. vate	IberperMious	Adq. Infil. vate	Area'	:
A&C2	A&C-1	(In/Hr)	(Dec.')	(In/Hr)	(Dec.)	(In/Hr)
+6.0	F6.0	0.P06	0.6+0	0.29F	1.000	0.29F
					Sub (:)	= 0.29F

Area aMeraged bean soil loss (:) (In/Hr) = 0.29F
&inibub soil loss rate ((In/Hr)) = 0.1w6
(for 2w hour storb duration)
Soil loj loss rate (decibal) = 0.F80

Unit Hydrograph
VALLEB S-CurMe

Unit Hydrograph Data

Unit time period (hrs)	*ibe ' of lag	Distribution Graph	Unit Hydrograph (C:S)

1RF0	0.1w01	1.P2	Q	V		
1RF+	0.1+16	1.6P	Q	V		
1RW0	0.16Fw	1.P0	Q	V		
1RW+	0.1P69	1.9P	Q	V		
1R+0	0.1912	2.0P	Q	V		
1R++	0.20w9	1.99	Q	V		
2R 0	0.218w	1.9P	Q	V		
2R +	0.2F2F	2.01	Q	V		
2R10	0.2w89	2.w1	Q	V		
2R1+	0.269w	2.98	Q	V		
2R20	0.2882	2.Pw	Q	V		
2R2+	0.F1FF	F.6+	Q	V		
2RF0	0.Fw68	w.8+	Q	V		
2RF+	0.F860	+.P1	Q	V		
2RW0	0.w20F	w.98	Q	V		
2RW+	0.wF9+	2.P9	Q	V		
2R+0	0.w+02	1.+w	Q	V		
2R++	0.w+88	1.26	Q	V		
FR 0	0.w6wF	0.P9	Q	V		
FR +	0.w661	0.2P	Q	V		
FR10	0.w66+	0.0+	Q	V		
FR1+	0.w66+	0.01	Q	V		

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Mi&erside County Synthetic Unit Hydrology wethod
MC:C 7 PCD Wanual date - April 19m8

English (in-16) Input Units Used
English Mainfall Data (Inches) Input Values Used
English Units used in output for5at

```

Drainage Area = 8. FF(Ac.) = 0.01F S3. Wi.
Drainage Area for Depth-Area Area1 Adjus5ent = 8. FF(Ac.) = 0.01F S3. Wi.
Length along longest jatercourse = 99m.00(:t.)
Length along longest jatercourse 5easured to centroid = w99.00(:t.)
Length along longest jatercourse = 0.189 Wi.
Length along longest jatercourse 5easured to centroid = 0.09+ Wi.
Difference in ele4ation = 1+.80(:t.)
Slope along jatercourse = 8F.Rm+0 :t./Wi.
A6erage wanning4s 4N4 = 0.01+
Lag ti5e = 0.0Fw Hr.
Lag ti5e = 2.02 Win.
2+ of lag ti5e = 0+.0 Win.
w0' of lag ti5e = 0.81 Win.
Unit ti5e = +.00 Win.
Duration of stor5 = R Hour(s)
User Entered %ase :loj = 0.00(C:S)

```

Area(Ac.)Y1[	Mainfall(In)Y2[	PeightingY1]2[
8.FF	1.20	10.00

Area(Ac.)Y1[8.FF	Mainfall(In)Y2[2.+0	PeightingY1]2[20.82

S*TMW EVEN* (BEAM) = +.00
Area A_{eraged} 2-Bear Mainfall = 1.200(In)
Area A_{eraged} 100-Bear Mainfall = 2.+00(In)

```

point rain (area a&eraged) = 1.+0w(In)
Areal adjust5ent factor = 100.00 '
Adjusted a&erage point rain = 1.+0w(In)

```

Su6-Area Daxx
Area(Ac.) Munoff IndeO I5per&iuous '
8.FF0 +R.00 0.R+0
*otal Area Entered = 8.FF(Ac.)

MI	MI	Infil. Mate	I5per&iou5	Adq. Infil. Mate	Area'	:
AWC2	AWC-1	(In/Hr)	(Dec.')	(In/Hr)	(Dec.)	(In/Hr)
+R.0	FR.0	0.m0R	0.R+0	0.29F	1.000	0.29F
					Su5 (:)	= 0.29F

Area averaged 5ean soil loss (:) (In/Hr) = 0.29F
 winisu5 soil loss rate ((In/Hr)) = 0.1WR
 (for 2w hour stor5 duration)
 Soil loj loss rate (deci5al) = 0.F80

Unit Hydrograph
VALLEB S-Cur&e

Unit Hydrograph Data

Unit time period (hrs)	*ise ' of lag	Distribution Graph	Unit Hydrograph (C:S)

1	0.08F	2wm.8mF	+0.R1m	w.2w9
2	0.1Rm	w9+.mwR	w0.18R	F.Fmw
F	0.2+0	mwF.R18	m.090	0.+9+
w	0.FFF	991.w91	2.10m	0.1mm
			Su5 = 100.000	Su5= 8.F9+

*he folloing loss rate calculations reflect use of the 5ini5u5 calculated loss rate subtracted fro5 the Stor5 Main to produce the 5a0i5u5 Effecti&e Main &alue

Unit	*i5e (Hr.)	battern bercent	Stor5 Main (In/Hr)	Loss rate(In./Hr) wao Loj	Effecti&e (In/Hr)
1	0.08	0.+0	0.090	(0.29F)	0.0Fw
2	0.1m	0.R0	0.108	(0.29F)	0.0w1
F	0.2+	0.R0	0.108	(0.29F)	0.0w1
w	0.FF	0.R0	0.108	(0.29F)	0.0w1
+	0.w2	0.R0	0.108	(0.29F)	0.0w1
R	0.+0	0.m0	0.12R	(0.29F)	0.0w8
m	0.+8	0.m0	0.12R	(0.29F)	0.0w8
8	0.Rm	0.m0	0.12R	(0.29F)	0.0w8
9	0.m+	0.m0	0.12R	(0.29F)	0.0w8
10	0.8F	0.m0	0.12R	(0.29F)	0.0w8
11	0.92	0.m0	0.12R	(0.29F)	0.0w8
12	1.00	0.80	0.1ww	(0.29F)	0.0++
1F	1.08	0.80	0.1ww	(0.29F)	0.0++
1w	1.1m	0.80	0.1ww	(0.29F)	0.0++
1+	1.2+	0.80	0.1ww	(0.29F)	0.0++
1R	1.FF	0.80	0.1ww	(0.29F)	0.0++
1m	1.w2	0.80	0.1ww	(0.29F)	0.0++
18	1.+0	0.80	0.1ww	(0.29F)	0.0++
19	1.+8	0.80	0.1ww	(0.29F)	0.0++
20	1.Rm	0.80	0.1ww	(0.29F)	0.0++
21	1.m+	0.80	0.1ww	(0.29F)	0.0++
22	1.8F	0.80	0.1ww	(0.29F)	0.0++
2F	1.92	0.80	0.1ww	(0.29F)	0.0++
2w	2.00	0.90	0.1R2	(0.29F)	0.0R2
2+	2.08	0.80	0.1ww	(0.29F)	0.0++
2R	2.1m	0.90	0.1R2	(0.29F)	0.0R2
2m	2.2+	0.90	0.1R2	(0.29F)	0.0R2
28	2.FF	0.90	0.1R2	(0.29F)	0.0R2
29	2.w2	0.90	0.1R2	(0.29F)	0.0R2
F0	2.+0	0.90	0.1R2	(0.29F)	0.0R2
F1	2.+8	0.90	0.1R2	(0.29F)	0.0R2
F2	2.Rm	0.90	0.1R2	(0.29F)	0.0R2
FF	2.m+	1.00	0.181	(0.29F)	0.0R9
Fw	2.8F	1.00	0.181	(0.29F)	0.0R9
F+	2.92	1.00	0.181	(0.29F)	0.0R9
FR	F.00	1.00	0.181	(0.29F)	0.0R9
Fm	F.08	1.00	0.181	(0.29F)	0.0R9
F8	F.1m	1.10	0.199	(0.29F)	0.0m+
F9	F.2+	1.10	0.199	(0.29F)	0.0m+
w0	F.FF	1.10	0.199	(0.29F)	0.0m+
w1	F.w2	1.20	0.21m	(0.29F)	0.082
w2	F.+0	1.F0	0.2F+	(0.29F)	0.089
wF	F.+8	1.w0	0.2+F	(0.29F)	0.09R
ww	F.Rm	1.w0	0.2+F	(0.29F)	0.09R
w+	F.m+	1.+0	0.2m1	(0.29F)	0.10F
wR	F.8F	1.+0	0.2m1	(0.29F)	0.10F
wm	F.92	1.R0	0.289	(0.29F)	0.110
w8	w.00	1.R0	0.289	(0.29F)	0.110
w9	w.08	1.m0	0.F0m	(0.29F)	0.11m
+0	w.1m	1.80	0.F2+	(0.29F)	0.12F
+1	w.2+	1.90	0.FwF	(0.29F)	0.1F0
+2	w.FF	2.00	0.FR1	(0.29F)	0.1Fm
+F	w.w2	2.10	0.Fm9	(0.29F)	0.1ww
+w	w.+0	2.10	0.Fm9	(0.29F)	0.1ww
++	w.+8	2.20	0.F9m	(0.29F)	0.1+1
+R	w.Rm	2.F0	0.w1+	(0.29F)	0.1+8
+m	w.m+	2.w0	0.wFF	(0.29F)	0.1R+
+8	w.8F	2.w0	0.wFF	(0.29F)	0.1R+
+9	w.92	2.+0	0.w+1	(0.29F)	0.1m2
R0	+.00	2.R0	0.wR9	(0.29F)	0.1m8
R1	+.08	F.10	0.+R0	(0.29F)	0.21F
R2	+.1m	F.R0	0.R+0	(0.29F)	0.2wm
RF	+.2+	F.90	0.m0w	(0.29F)	0.2R8
Rw	+.FF	w.20	0.m+8	(0.29F)	0.288
R+	+.w2	w.m0	0.8w9	0.29F	(0.F22)
RR	+.+0	+.R0	1.011	0.29F	(0.F8w)
Rm	+.+8	1.90	0.FwF	(0.29F)	0.1F0
R8	+.Rm	0.90	0.1R2	(0.29F)	0.0R2
R9	+.m+	0.R0	0.108	(0.29F)	0.0w1
m0	+.8F	0.+0	0.090	(0.29F)	0.0Fw
m1	+.92	0.F0	0.0+w	(0.29F)	0.021
m2	R.00	0.20	0.0FR	(0.29F)	0.01w
(Loss Mate Not Used)					
Su5 =		100.0			11.F

Pro 5yr6hr

Page 2 of 4

+vw+	0. Rv+F	0.88	Q				V
+v+0	0. Rv92	0. +R	Q				V
+v++	0. R+18	0. F9	Q				V
Rv 0	0. R+FR	0.2+	Q				V
Rv +	0. R+WF	0.11	Q				V
Rv10	0. R+WW	0.02	Q				V
Rv1+	0. R+W+	0.00	Q				V

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Mi&erside County Synthetic Unit Hydrology wethod
MC:C 7 PCD Wanual date - April 19m8

English (in-16) Input Units Used
English Main=all Data (Inches) Input values Used
English Units used in output =or5at

```

Drainage Area 3      8.FF(Ac.) 3      0.01F Sq. Wi.
Drainage Area =or Depth-Area Area Adjust 5ent 3      8.FF(Ac.) 3      0.01F Sq. Wi.
Length along longest watercourse 3      99m.00(:t.)
Length along longest watercourse 5easured to centroid 3      R99.00(:t.)
Length along longest watercourse 3      0.189 wi.
Length along longest watercourse 5easured to centroid 3      0.09+ wi.
Difference in elevation 3      1+.80(:t.)
Slope along watercourse 3      8F.fm+0 :t./wi.
Average Manning's n 4N 3 0.01+
Lag time 3      0.0FR Hr.
Lag time 3      2.02 win.
2+ ' o= lag time 3      0+.0 win.
R0' o= lag time 3      0.81 win.
Unit time 3      +.00 win.
Duration o= stor 5 3 2R Hour(s)
User Entered %ase :low 3      0.00(c:s)

```

Area(Ac.)Y1[8.FF	Main=a11(In)Y2[1.80	PeightingY1]2[1R.99

Area(Ac.)Y1[8.FF	Main=a]](In)Y2[R.+0	PeightingY1]]2[Fm.R8

S*TMW EVEN* (BEAM) 3 +.00
Area A&eraged 2-Bear Main=all 3 1.800(In)
Area A&eraged 100-Bear Main=all 3 R.+00(In)

```

point rain (area a&eraged) 3      2.RF2(In)
Areal adjust5ent =actor 3 100.00 '
Adjusted a&erage point rain 3      2.RF2(In)

```

Sub-Area Datax
Area(Ac.) Muno== IndeO I5per&iuous '
8.FF0 +f.00 0.f+0
*otal Area Entered 3 8.FF(Ac.)

MI	MI	In=il. Mate	I5perious	Adj. In=il. Mate	Area'	:
AWC2	AWC-1	(In/Hr)	(Dec.')	(In/Hr)	(Dec.)	(In/Hr)
+F.0	Ff.0	0.0mOf	0.f+0	0.29F	1.000	0.29F
					Su5 (:)	3 0.29F
Area a&eraged 5ean soil loss (:)						
wini5u5 soil loss rate ((In/Hr) 3				0.29F		
(=or 2R hour stor5 duration)				3 0.1rF		
Soil low loss rate (dec15al)				3 0.F80		

Unit Hydrograph
VALLEB S-Cur&e

Unit Hydrograph Data

Unit time period (hrs)	*ise ' o= lag	Distribution Graph	Unit Hydrograph (C:S)

1	0.08F	2Rm.8mF	+0.f1m	R.2R9
2	0.1fm	R9+.mRf	R0.18f	F.FmR
F	0.2+0	mRf.f18	m.090	0.+9+
R	0.FFF	991.R91	2.10m	0.1mm
		Su5 3 100.000	Su53	8.F9+

*he =ollowing loss rate calculations re=lect use o= the 5ini5u5 calculated loss rate su6tracted =ro5 the Stor5 Main to produce the 5a0i5u5 E=ecti&e Main &alue

Unit	*ise (Hr.)	battern bercent	Stor5 Main (In/Hr)	Loss rate(In./Hr) wa0 Low	E=ecti&e (In/Hr)
1	0.08	0.0m	0.019	(0.+19)	0.00m
2	0.1m	0.0m	0.019	(0.+1m)	0.00m
F	0.2+	0.0m	0.019	(0.+1+)	0.00m
R	0.FF	0.10	0.029	(0.+1F)	0.011
+	0.R2	0.10	0.029	(0.+11)	0.011
f	0.+0	0.10	0.029	(0.+09)	0.011
m	0.+8	0.10	0.029	(0.+0m)	0.011
8	0.fm	0.10	0.029	(0.+0+)	0.011
9	0.m+	0.10	0.029	(0.+0F)	0.011
10	0.8F	0.1F	0.0F9	(0.+01)	0.01+
11	0.92	0.1F	0.0F9	(0.R99)	0.01+
12	1.00	0.1F	0.0F9	(0.R98)	0.01+
1F	1.08	0.10	0.029	(0.R9f)	0.011
1R	1.1m	0.10	0.029	(0.R9R)	0.011
1+	1.2+	0.10	0.029	(0.R92)	0.011
1f	1.FF	0.10	0.029	(0.R90)	0.011
1m	1.R2	0.10	0.029	(0.R88)	0.011
18	1.+0	0.10	0.029	(0.R8f)	0.011
19	1.+8	0.10	0.029	(0.R8R)	0.011
20	1.fm	0.10	0.029	(0.R82)	0.011
21	1.m+	0.10	0.029	(0.R80)	0.011
22	1.8F	0.1F	0.0F9	(0.Rm8)	0.01+
2F	1.92	0.1F	0.0F9	(0.Rmf)	0.01+
2R	2.00	0.1F	0.0F9	(0.RmR)	0.01+
2+	2.08	0.1F	0.0F9	(0.Rm2)	0.01+
2f	2.1m	0.1F	0.0F9	(0.Rm0)	0.01+
2m	2.2+	0.1F	0.0F9	(0.Rf8)	0.01+
28	2.FF	0.1F	0.0F9	(0.Rfm)	0.01+
29	2.R2	0.1F	0.0F9	(0.Rf+)	0.01+
F0	2.+0	0.1F	0.0F9	(0.RfF)	0.01+
F1	2.+8	0.1m	0.0R9	(0.Rf1)	0.018
F2	2.fm	0.1m	0.0R9	(0.R+9)	0.018
FF	2.m+	0.1m	0.0R9	(0.R+m)	0.018
FR	2.8F	0.1m	0.0R9	(0.R+)	0.018
F+	2.92	0.1m	0.0R9	(0.R+f)	0.018
Ff	F.00	0.1m	0.0R9	(0.R+1)	0.018
Fm	F.08	0.1m	0.0R9	(0.R+0)	0.018
F8	F.1m	0.1m	0.0R9	(0.RR8)	0.018
F9	F.2+	0.1m	0.0R9	(0.RRf)	0.018
R0	F.FF	0.1m	0.0R9	(0.RRR)	0.018
R1	F.R2	0.1m	0.0R9	(0.RR2)	0.018
R2	F.+0	0.1m	0.0R9	(0.RR0)	0.018
RF	F.+8	0.1m	0.0R9	(0.RF8)	0.018
RR	F.fm	0.1m	0.0R9	(0.RFm)	0.018
R+	F.m+	0.1m	0.0R9	(0.RF+)	0.018
Rf	F.8F	0.20	0.0+8	(0.RFF)	0.022
Rm	F.92	0.20	0.0+8	(0.RF1)	0.022
R8	R.00	0.20	0.0+8	(0.R29)	0.022
R9	R.08	0.20	0.0+8	(0.R2m)	0.022
+0	R.1m	0.20	0.0+8	(0.R2f)	0.022
+1	R.2+	0.20	0.0+8	(0.R2R)	0.022
+2	R.FF	0.2F	0.0f8	(0.R22)	0.02f
+F	R.R2	0.2F	0.0f8	(0.R20)	0.02f
+R	R.+0	0.2F	0.0f8	(0.R18)	0.02f
++	R.+8	0.2F	0.0f8	(0.R1m)	0.02f
+f	R.fm	0.2F	0.0f8	(0.R1+)	0.02f
+m	R.m+	0.2F	0.0f8	(0.R1F)	0.02f
+8	R.8F	0.2m	0.0m8	(0.R11)	0.0F0
+9	R.92	0.2m	0.0m8	(0.R09)	0.0F0
f0	+.00	0.2m	0.0m8	(0.R08)	0.0F0
f1	+.08	0.20	0.0+8	(0.R0f)	0.022
f2	+.1m	0.20	0.0+8	(0.R0R)	0.022
FF	+.2+	0.20	0.0+8	(0.R02)	0.022
fR	+.FF	0.2F	0.0f8	(0.R01)	0.02f
f+	+.R2	0.2F	0.0f8	(0.F99)	0.02f
ff	+.+0	0.2F	0.0f8	(0.F9m)	0.02f
fm	+.+8	0.2m	0.0m8	(0.F9+)	0.0F0
f8	+.fm	0.2m	0.0m8	(0.F9R)	0.0F0
f9	+.m+	0.2m	0.0m8	(0.F92)	0.0F0
m0	+.8F	0.2m	0.0m8	(0.F90)	0.0F0
m1	+.92	0.2m	0.0m8	(0.F88)	0.0F0
m2	f.00	0.2m	0.0m8	(0.F8m)	0.0F0
mF	f.08	0.F0	0.088	(0.F8+)	0.0FF
mR	f.1m	0.F0	0.088	(0.F8F)	0.0FF

Pro 5yr24hr

Page 2 of 9

m+	f.2+	0.F0	0.088	(0.F82)	0.0FF	0.0+R
mf	f.FF	0.F0	0.088	(0.F80)	0.0FF	0.0+R
mm	f.R2	0.F0	0.088	(0.Fm8)	0.0FF	0.0+R
m8	f.+0	0.F0	0.088	(0.Fmm)	0.0FF	0.0+R
m9	f.+8	0.FF	0.09m	(0.Fm+)	0.0Fm	0.0f0
80	f.fm	0.FF	0.09m	(0.FmF)	0.0Fm	0.0f0
81	f.m+	0.FF	0.09m	(0.Fm1)	0.0Fm	0.0f0
82	f.8F	0.FF	0.09m	(0.Fm0)	0.0Fm	0.0f0
8F	f.92	0.FF	0.09m	(0.Ff8)	0.0Fm	0.0f0
8R	m.00	0.FF	0.09m	(0.Fff)	0.0Fm	0.0f0
8+	m.08	0.FF	0.09m	(0.Ff+)	0.0Fm	0.0f0
8f	m.1m	0.FF	0.09m	(0.FfF)	0.0Fm	0.0f0
8m	m.2+	0.FF	0.09m	(0.Ff1)	0.0Fm	0.0f0
88	m.FF	0.Fm	0.10m	(0.Ff0)	0.0R1	0.0ff
89	m.R2	0.Fm	0.10m	(0.F+8)	0.0R1	0.0ff
90	m.+0	0.Fm	0.10m	(0.F+f)	0.0R1	0.0ff
91	m.+8	0.R0	0.11m	(0.F++)	0.0RR	0.0m2
92	m.fm	0.R0	0.11m	(0.F+F)	0.0RR	0.0m2
9F	m.m+	0.R0	0.11m	(0.F+2)	0.0RR	0.0m2
9R	m.8F	0.RF	0.12f	(0.F+0)	0.0R8	0.0m8
9+	m.92	0.RF	0.12f	(0.FR8)	0.0R8	0.0m8
9f	8.00	0.RF	0.12f	(0.FRm)	0.0R8	0.0m8
9m	8.08	0.+0	0.1Rf	(0.FR+)	0.0++	0.090
98	8.1m	0.+0	0.1Rf	(0.FRR)	0.0++	0.090
99	8.2+	0.+0	0.1Rf	(0.FR2)	0.0++	0.090
100	8.FF	0.+0	0.1Rf	(0.FR0)	0.0++	0.090
101	8.R2	0.+0	0.1Rf	(0.FF9)	0.0++	0.090
102	8.+0	0.+0	0.1Rf	(0.FFm)	0.0++	0.090
10F	8.+8	0.+F	0.1+f	(0.FFF)	0.0+9	0.09m
10R	8.fm	0.+F	0.1+f	(0.FFR)	0.0+9	0.09m
10+	8.m+	0.+F	0.1+f	(0.FF2)	0.0+9	0.09m
10f	8.8F	0.+m	0.1f+	(0.FF1)	0.0fF	0.10F
10m	8.92	0.+m	0.1f+	(0.F29)	0.0fF	0.10F
108	9.00	0.+m	0.1f+	(0.F28)	0.0fF	0.10F
109	9.08	0.fF	0.18+	(0.F2f)	0.0m0	0.11+
110	9.1m	0.fF	0.18+	(0.F2+)	0.0m0	0.11+
111	9.2+	0.fF	0.18+	(0.F2F)	0.0m0	0.11+
112	9.FF	0.fm	0.19+	(0.F22)	0.0mR	0.121
11F	9.R2	0.fm	0.19+	(0.F20)	0.0mR	0.121
11R	9.+0	0.fm	0.19+	(0.F18)	0.0mR	0.121
11+	9.+8	0.m0	0.20R	(0.F1m)	0.0m8	0.12m
11f	9.fm	0.m0	0.20R	(0.F1+)	0.0m8	0.12m
11m	9.m+	0.m0	0.20R	(0.F1R)	0.0m8	0.12m
118	9.8F	0.mF	0.21R	(0.F12)	0.081	0.1FF
119	9.92	0.mF	0.21R	(0.F11)	0.081	0.1FF
120	10.00	0.mF	0.21R	(0.F09)	0.081	0.1FF
121	10.08	0.+0	0.1Rf	(0.F08)	0.0++	0.090
122	10.1m	0.+0	0.1Rf	(0.F0f)	0.0++	0.090
12F	10.2+	0.+0	0.1Rf	(0.F0+)	0.0++	0.090
12R	10.FF	0.+0	0.1Rf	(0.F0F)	0.0++	0.090
12+	10.R2	0.+0	0.1Rf	(0.F02)	0.0++	0.090
12f	10.+0	0.+0	0.1Rf	(0.F00)	0.0++	0.090
12m	10.+8	0.fm	0.19+	(0.299)	0.0mR	0.121
128	10.fm	0.fm	0.19+	(0.298)	0.0mR	0.121
129	10.m+	0.fm	0.19+	(0.29f)	0.0mR	0.121
1F0	10.8F	0.fm	0.19+	(0.29+)	0.0mR	0.121
1F1	10.92	0.fm	0.19+	(0.29F)	0.0mR	0.121
1F2	11.00	0.fm	0.19+	(0.292)	0.0mR	0.121
1FF	11.08	0.fF	0.18+	(0.290)	0.0m0	0.11+
1FR	11.1m	0.fF	0.18+	(0.289)	0.0m0	0.11+
1F+	11.2+	0.fF	0.18+	(0.28m)	0.0m0	0.11+
1Ff	11.FF	0.fF	0.18+	(0.28f)	0.0m0	0.11+
1Fm	11.R2	0.fF	0.18+	(0.28+)	0.0m0	0.11+
1F8	11.+0	0.fF	0.18+	(0.28F)	0.0m0	0.11+
1F9	11.+8	0.+m	0.1f+	(0.282)	0.0fF	0.10F
1R0	11.fm	0.+m	0.1f+	(0.280)	0.0fF	0.10F
1R1	11.m+	0.+m	0.1f+	(0.2m9)	0.0fF	0.10F
1R2	11.8F	0.f0	0.1m+	(0.2m8)	0.0fm	0.109
1RF	11.92	0.f0	0.1m+	(0.2mf)	0.0fm	0.109
1RR	12.00	0.f0	0.1m+	(0.2m+)	0.0fm	0.109
1R+	12.08	0.8F	0.2RF	(0.2mF)	0.092	0.1+1
1Rf	12.1m	0.8F	0.2RF	(0.2m2)	0.092	0.1+1
1Rm	12.2+	0.8F	0.2RF	(0.2m1)	0.092	0.1+1
1R8	12.FF	0.8m	0.2+f	(0.2f9)	0.09f	0.1+m
1R9	12.R2	0.8m	0.2+f	(0.2f8)	0.09f	0.1+m
1+0	12.+0	0.8m	0.2+f	(0.2fm)	0.09f	0.1+m
1+1	12.+8	0.9F	0.2m2	(0.2f+)	0.10R	0.1f9
1+2	12.fm	0.9F	0.2m2	(0.2fR)	0.10R	0.1f9
1+F	12.m+	0.9F	0.2m2	(0.2fF)	0.10R	0.1f9
1+R	12.8F	0.9m	0.282	(0.2f1)	0.10m	0.1m+
1++	12.92	0.9m	0.282	(0.2f0)	0.10m	0.1m+
1+f	1F.00	0.9m	0.282	(0.2+9)	0.10m	0.1m+
1+m	1F.08	1.1F	0.FF1	(0.2+m)	0.12f	0.20+
1+8	1F.1m	1.1F	0.FF1	(0.2+f)	0.12f	0.20+
1+9	1F.2+	1.1F	0.FF1	(0.2++)	0.12f	0.20+
1F0	1F.FF	1.1F	0.FF1	(0.2+R)	0.12f	0.20+
1F1	1F.R2	1.1F	0.FF1	(0.2+2)	0.12f	0.20+

Pro 5yr24hr

Page 3 of 9

1f2	1F.+0	1.1F	0.FF1	(0.2+1)	0.12f	0.20+
1fF	1F.+8	0.mm	0.22R	(0.2+0)	0.08+	0.1F9
1fR	1F.fm	0.mm	0.22R	(0.2R8)	0.08+	0.1F9
1f+	1F.m+	0.mm	0.22R	(0.2Rm)	0.08+	0.1F9
1ff	1F.8F	0.mm	0.22R	(0.2RF)	0.08+	0.1F9
1fm	1F.92	0.mm	0.22R	(0.2R+)	0.08+	0.1F9
1f8	1R.00	0.mm	0.22R	(0.2RF)	0.08+	0.1F9
1f9	1R.08	0.90	0.2fF	(0.2R2)	0.100	0.1fF
1m0	1R.1m	0.90	0.2fF	(0.2R1)	0.100	0.1fF
1m1	1R.2+	0.90	0.2fF	(0.2R0)	0.100	0.1fF
1m2	1R.FF	0.8m	0.2+f	(0.2F8)	0.09f	0.1+m
1mF	1R.R2	0.8m	0.2+f	(0.2Fm)	0.09f	0.1+m
1mR	1R.+0	0.8m	0.2+f	(0.2FF)	0.09f	0.1+m
1m+	1R.+8	0.8m	0.2+f	(0.2F+)	0.09f	0.1+m
1mf	1R.fm	0.8m	0.2+f	(0.2FR)	0.09f	0.1+m
1mm	1R.m+	0.8m	0.2+f	(0.2F2)	0.09f	0.1+m
1m8	1R.8F	0.8F	0.2RF	(0.2F1)	0.092	0.1+1
1m9	1R.92	0.8F	0.2RF	(0.2F0)	0.092	0.1+1
180	1+.00	0.8F	0.2RF	(0.229)	0.092	0.1+1
181	1+.08	0.80	0.2FR	(0.228)	0.089	0.1R+
182	1+.1m	0.80	0.2FR	(0.22f)	0.089	0.1R+
18F	1+.2+	0.80	0.2FR	(0.22+)	0.089	0.1R+
18R	1+.FF	0.mm	0.22R	(0.22R)	0.08+	0.1F9
18+	1+.R2	0.mm	0.22R	(0.22F)	0.08+	0.1F9
18f	1+.+0	0.mm	0.22R	(0.222)	0.08+	0.1F9
18m	1+.+8	0.fF	0.18+	(0.221)	0.0m0	0.11+
188	1+.fm	0.fF	0.18+	(0.220)	0.0m0	0.11+
189	1+.m+	0.fF	0.18+	(0.218)	0.0m0	0.11+
190	1+.8F	0.fF	0.18+	(0.21m)	0.0m0	0.11+
191	1+.92	0.fF	0.18+	(0.21f)	0.0m0	0.11+
192	1f.00	0.fF	0.18+	(0.21+)	0.0m0	0.11+
19F	1f.08	0.1F	0.0F9	(0.21R)	0.01+	0.02R
19R	1f.1m	0.1F	0.0F9	(0.21F)	0.01+	0.02R
19+	1f.2+	0.1F	0.0F9	(0.212)	0.01+	0.02R
19f	1f.FF	0.1F	0.0F9	(0.211)	0.01+	0.02R
19m	1f.R2	0.1F	0.0F9	(0.210)	0.01+	0.02R
198	1f.+0	0.1F	0.0F9	(0.209)	0.01+	0.02R
199	1f.+8	0.10	0.029	(0.208)	0.011	0.018
200	1f.fm	0.10	0.029	(0.20m)	0.011	0.018
201	1f.m+	0.10	0.029	(0.20+)	0.011	0.018
202	1f.8F	0.10	0.029	(0.20R)	0.011	0.018
20F	1f.92	0.10	0.029	(0.20f)	0.011	0.018
20R	1m.00	0.10	0.029	(0.202)	0.011	0.018
20+	1m.08	0.1m	0.0R9	(0.201)	0.018	0.0F0
20f	1m.1m	0.1m	0.0R9	(0.200)	0.018	0.0F0
20m	1m.2+	0.1m	0.0R9	(0.199)	0.018	0.0F0
208	1m.FF	0.1m	0.0R9	(0.198)	0.018	0.0F0
209	1m.R2	0.1m	0.0R9	(0.19m)	0.018	0.0F0
210	1m.+0	0.1m	0.0R9	(0.19f)	0.018	0.0F0
211	1m.+8	0.1m	0.0R9	(0.19+)	0.018	0.0F0
212	1m.fm	0.1m	0.0R9	(0.19R)	0.018	0.0F0
21F	1m.m+	0.1m	0.0R9	(0.19F)	0.018	0.0F0
21R	1m.8F	0.1F	0.0F9	(0.192)	0.01+	0.02R
21+	1m.92	0.1F	0.0F9	(0.192)	0.01+	0.02R
21f	18.00	0.1F	0.0F9	(0.191)	0.01+	0.02R
21m	18.08	0.1F	0.0F9	(0.190)	0.01+	0.02R
218	18.1m	0.1F	0.0F9	(0.189)	0.01+	0.02R
219	18.2+	0.1F	0.0F9	(0.188)	0.01+	0.02R
220	18.FF	0.1F	0.0F9	(0.18m)	0.01+	0.02R
221	18.R2	0.1F	0.0F9	(0.18f)	0.01+	0.02R
222	18.+0	0.1F	0.0F9	(0.18+)	0.01+	0.02R
22F	18.+8	0.10	0.029	(0.18R)	0.011	0.018
22R	18.fm	0.10	0.029	(0.18F)	0.011	0.018
22+	18.m+	0.10	0.029	(0.182)	0.011	0.018
22f	18.8F	0.0m	0.019	(0.182)	0.00m	0.012
22m	18.92	0.0m	0.019	(0.181)	0.00m	0.012
228	19.00	0.0m	0.019	(0.180)	0.00m	0.012
229	19.08	0.10	0.029	(0.1m9)	0.011	0.018
2F0	19.1m	0.10	0.029	(0.1m8)	0.011	0.018
2F1	19.2+	0.10	0.029	(0.1mm)	0.011	0.018
2F2	19.FF	0.1F	0.0F9	(0.1mf)	0.01+	0.02R
2FF	19.R2	0.1F	0.0F9	(0.1mf)	0.01+	0.02R
2FR	19.+0	0.1F	0.0F9	(0.1m+)	0.01+	0.02R
2F+	19.+8	0.10	0.029	(0.1mR)	0.011	0.018
2Ff	19.fm	0.10	0.029	(0.1mF)	0.011	0.018
2Fm	19.m+	0.10	0.029	(0.1m2)	0.011	0.018
2F8	19.8F	0.0m	0.019	(0.1m2)	0.00m	0.012
2F9	19.92	0.0m	0.019	(0.1m1)	0.00m	0.012
2R0	20.00	0.0m	0.019	(0.1m0)	0.00m	0.012
2R1	20.08	0.10	0.029	(0.1f9)	0.011	0.018
2R2	20.1m	0.10	0.029	(0.1f9)	0.011	0.018
2RF	20.2+	0.10	0.029	(0.1f8)	0.011	0.018
2RR	20.FF	0.10	0.029	(0.1fm)	0.011	0.018
2R+	20.R2	0.10	0.029	(0.1ff)	0.011	0.018
2Rf	20.+0	0.10	0.029	(0.1ff)	0.011	0.018
2Rm	20.+8	0.10	0.029	(0.1f+)	0.011	0.018
2R8	20.fm	0.10	0.029	(0.1fR)	0.011	0.018

Pro 5yr24hr

Page 4 of 9

```

Su5 3      100.0
:lood &olu5e 3 E==ecti&e rain=all      1.1(In)
ti5es area      8.F(AC.)/(In)/(t.) [ 3      1.0(AC.:t)
*otal soil loss 3      0.92(In)
*otal soil loss 3      0.FR2(AC.:t)
*otal rain=all 3      2.F(In)
:lood &olu5e 3      R+f00.8 Cu6ic :eet
*otal soil loss 3      2m9R8.9 Cu6ic :eet
-----
beak =low rate o= this hydrograph 3      1.m2F(C:S)
-----
2R - H T U M      S * T M W
M u n o = =      H y d r o g r a p h
-----
Hydrograph in + winute inter&als ((C:S))

```

Pro 5yr24hr

2v1+	0.029+	0.20	QV				
2v20	0.0F09	0.20	QV				
2v2+	0.0F2F	0.20	QV				
2vF0	0.0FFm	0.20	QV				
2vF+	0.0F+F	0.2F	QV				
2vR0	0.0Fm0	0.2+	QV				
2vR+	0.0F8m	0.2+	Q				
2v+0	0.0R0+	0.2+	Q				
2v++	0.0R22	0.2+	Q				
Fv 0	0.0RR0	0.2+	Q				
Fv +	0.0R+m	0.2+	Q				
Fv10	0.0RmR	0.2+	Q				
Fv1+	0.0R92	0.2+	Q				
Fv20	0.0+09	0.2+	Q				
Fv2+	0.0+2m	0.2+	QV				
FvF0	0.0+RR	0.2+	QV				
FvF+	0.0+f2	0.2+	QV				
FvR0	0.0+m9	0.2+	QV				
FvR+	0.0+9m	0.2+	QV				
Fv+0	0.0f1f	0.28	QV				
Fv++	0.0FFf	0.F0	QV				
Rv 0	0.0f+m	0.F0	QV				
Rv +	0.0fm8	0.F0	QV				
Rv10	0.0f99	0.F0	QV				
Rv1+	0.0m20	0.F0	QV				
Rv20	0.0mRF	0.FF	QV				
Rv2+	0.0mfm	0.F+	QV				
RvF0	0.0m91	0.F+	Q V				
RvF+	0.081f	0.F+	Q V				
RvR0	0.08R0	0.F+	Q V				
RvR+	0.08f+	0.F+	Q V				
Rv+0	0.0891	0.F8	Q V				
Rv++	0.0918	0.R0	Q V				
+v 0	0.09Rf	0.R0	Q V				
+v +	0.09m1	0.F+	Q V				
+v10	0.0992	0.F1	Q V				
+v1+	0.101F	0.F1	Q V				
+v20	0.10Ff	0.FF	Q V				
+v2+	0.10f0	0.F+	Q V				
+vF0	0.108R	0.F+	Q V				
+vF+	0.1111	0.F8	Q V				
+vR0	0.11F8	0.R0	Q V				
+vR+	0.11ff	0.R0	Q V				
+v+0	0.119R	0.R1	Q V				
+v++	0.1222	0.R1	Q V				
fV 0	0.12+0	0.R1	Q V				
fV +	0.12m9	0.RF	Q V				
fV10	0.1F11	0.R+	Q V				
fV1+	0.1FR2	0.R+	Q V				
fV20	0.1FmF	0.Rf	Q V				
fV2+	0.1R0+	0.Rf	Q V				
fVf0	0.1RFf	0.Rf	Q V				
fVf+	0.1RF9	0.R8	Q V				
fVr0	0.1+0R	0.+0	Q V				
fVr+	0.1+F9	0.+1	Q V				
fV+0	0.1+mR	0.+1	Q V				
fV++	0.1f08	0.+1	Q V				
mv 0	0.1fRF	0.+1	Q V				
mv +	0.1fm8	0.+1	Q V				
mv10	0.1m1F	0.+1	Q V				
mv1+	0.1mR8	0.+1	Q V				
mv20	0.1m8+	0.+F	Q V				
mv2+	0.182F	0.++	Q V				
mvF0	0.18f1	0.+f	Q V				
mvF+	0.1901	0.+8	Q V				
mvR0	0.19RF	0.f0	Q V				
mvR+	0.198+	0.f1	Q V				
mv+0	0.2028	0.fF	Q V				
mv++	0.20mF	0.f+	Q V				
8v 0	0.2119	0.ff	Q V				
8v +	0.21fm	0.m1	Q V				
8v10	0.2219	0.m+	Q V				
8v1+	0.22m1	0.mf	Q V				
8v20	0.2F2R	0.mf	Q V				
8v2+	0.2Fmf	0.mf	Q V				
8vF0	0.2R28	0.mf	Q V				
8vF+	0.2R82	0.m9	Q V				
8vR0	0.2+F8	0.81	Q V				
8vR+	0.2+9R	0.81	Q V				
8v+0	0.2f+1	0.8R	Q V				
8v++	0.2m10	0.8f	Q V				
9v 0	0.2mm0	0.8f	Q V				
9v +	0.28F2	0.91	Q V				
9v10	0.2898	0.9+	Q V				
9v1+	0.29fR	0.9f	Q V				
9v20	0.F0F2	0.99	Q V				
9v2+	0.F102	1.01	Q V				

9vF0	0.F1m1	1.01	Q	V		
9vF+	0.F2RF	1.0R	Q	V		
9vR0	0.FF1f	1.0f	Q	V		
9vR+	0.FF89	1.0f	Q	V		
9v+0	0.FRfR	1.09	Q	V		
9v++	0.F+R1	1.11	Q	V		
10v 0	0.Ff1m	1.11	Q	V		
10v +	0.Ff82	0.9R	Q	V		
10v10	0.FmFf	0.m9	Q	V		
10v1+	0.Fm89	0.mm	Q	V		
10v20	0.F8R2	0.mf	Q	V		
10v2+	0.F89R	0.mf	Q	V		
10vF0	0.F9Rf	0.mf	Q	V		
10vF+	0.R00m	0.89	Q	V		
10vR0	0.R0mf	0.99	Q	V		
10vR+	0.R1R+	1.01	Q	V		
10v+0	0.R21+	1.01	Q	V		
10v++	0.R28+	1.01	Q	V		
11v 0	0.RF+R	1.01	Q	V		
11v +	0.RR22	0.99	Q	V		
11v10	0.RR89	0.9m	Q	V		
11v1+	0.R+++	0.9f	Q	V		
11v20	0.Rf22	0.9f	Q	V		
11v2+	0.Rf88	0.9f	Q	V		
11vF0	0.Rm+R	0.9f	Q	V		
11vF+	0.R81m	0.91	Q	V		
11vR0	0.R8mm	0.8m	Q	V		
11vR+	0.R9Fm	0.8f	Q	V		
11v+0	0.R998	0.89	Q	V		
11v++	0.+0f0	0.91	Q	V		
12v 0	0.+12F	0.91	Q	V		
12v +	0.+198	1.09	Q	V		
12v10	0.+28F	1.2F	Q	V		
12v1+	0.+Fm0	1.2f	Q	V		
12v20	0.+R+9	1.29	Q	V		
12v2+	0.++R9	1.F1	Q	V		
12vF0	0.+fR0	1.F2	Q	V		
12vF+	0.+mFR	1.Fm	Q	V		
12vR0	0.+8F1	1.R1	Q	V		
12vR+	0.+929	1.R2	Q	V		
12v+0	0.f028	1.RR	Q	V		
12v++	0.f129	1.Rf	Q	V		
1Fv 0	0.f2F0	1.Rm	Q	V		
1Fv +	0.fFR0	1.f0	Q	V		
1Fv10	0.fR+m	1.m0	Q	V		
1Fv1+	0.f+m+	1.m2	Q	V		
1Fv20	0.fffR	1.m2	Q	V		
1Fv2+	0.f81F	1.m2	Q	V		
1FvF0	0.f9F1	1.m2	Q	V		
1FvF+	0.m0F1	1.RR	Q	V		
1FvR0	0.m11R	1.22	Q	V		
1FvR+	0.m19+	1.18	Q	V		
1Fv+0	0.m2mf	1.1m	Q	V		
1Fv++	0.mF+f	1.1m	Q	V		
1Rv 0	0.mRfF	1.1m	Q	V		
1Rv +	0.m+2R	1.2m	Q	V		
1Rv10	0.mf1m	1.F+	Q	V		
1Rv1+	0.mm10	1.Ff	Q	V		
1Rv20	0.m80F	1.FR	Q	V		
1Rv2+	0.m89R	1.F2	Q	V		
1RvF0	0.m98+	1.F2	Q	V		
1RvF+	0.80m+	1.F2	Q	V		
1RvR0	0.81ff	1.F2	Q	V		
1RvR+	0.82+m	1.F2	Q	V		
1Rv+0	0.8FRf	1.29	Q	V		
1Rv++	0.8RfF	1.2m	Q	V		
1+v 0	0.8+21	1.2m	Q	V		
1+v +	0.8f0f	1.2R	Q	V		
1+v10	0.8f90	1.22	Q	V		
1+v1+	0.8mmR	1.22	Q	V		
1+v20	0.88+f	1.19	Q	V		
1+v2+	0.89Fm	1.1m	Q	V		
1+vF0	0.901m	1.1m	Q	V		
1+vF+	0.9090	1.0f	Q	V		
1+vR0	0.91+8	0.98	Q	V		
1+vR+	0.922R	0.9m	Q	V		
1+v+0	0.9291	0.9f	Q	V		
1+v++	0.9F+m	0.9f	Q	V		
1fv 0	0.9R2F	0.9f	Q	V		
1fv +	0.9RfF	0.+8	Q	V		
1fv10	0.9R82	0.2m	Q	V		
1fv1+	0.9R9m	0.22	Q	V		
1fv20	0.9+11	0.20	Q	V		
1fv2+	0.9+2+	0.20	Q	V		
1fvF0	0.9+F9	0.20	Q	V		
1fvF+	0.9+1	0.18	Q	V		
1fvR0	0.9+f2	0.1f	Q	V		

1fvR+	0.9+m2	0.1+	Q				V
1fv+0	0.9+8F	0.1+	Q				V
1fv++	0.9+9F	0.1+	Q				V
1mv 0	0.9f0R	0.1+	Q				V
1mv +	0.9f18	0.20	Q				V
1mv10	0.9fF+	0.2R	Q				V
1mv1+	0.9f+2	0.2+	Q				V
1mv20	0.9ff9	0.2+	Q				V
1mv2+	0.9f8m	0.2+	Q				V
1mvF0	0.9m0R	0.2+	Q				V
1mvF+	0.9m22	0.2+	Q				V
1mvR0	0.9mF9	0.2+	Q				V
1mvR+	0.9m+m	0.2+	Q				V
1mv+0	0.9mm2	0.2F	Q				V
1mv++	0.9m8f	0.21	Q				V
18v 0	0.9801	0.20	Q				V
18v +	0.981R	0.20	Q				V
18v10	0.9828	0.20	Q				V
18v1+	0.98R2	0.20	Q				V
18v20	0.98+f	0.20	Q				V
18v2+	0.98m0	0.20	Q				V
18vF0	0.988R	0.20	Q				V
18vF+	0.989f	0.18	Q				V
18vR0	0.990m	0.1f	Q				V
18vR+	0.9918	0.1+	Q				V
18v+0	0.992f	0.1F	Q				V
18v++	0.99FR	0.11	Q				V
19v 0	0.99R1	0.10	Q				V
19v +	0.99+0	0.1F	Q				V
19v10	0.99f0	0.1+	Q				V
19v1+	0.99m0	0.1+	Q				V
19v20	0.9982	0.18	Q				V
19v2+	0.999f	0.20	Q				V
19vF0	1.0010	0.20	Q				V
19vF+	1.0022	0.18	Q				V
19vR0	1.00FF	0.1f	Q				V
19vR+	1.00RF	0.1+	Q				V
19v+0	1.00+2	0.1F	Q				V
19v++	1.00+9	0.11	Q				V
20v 0	1.00ff	0.10	Q				V
20v +	1.00m+	0.1F	Q				V
20v10	1.008+	0.1+	Q				V
20v1+	1.009f	0.1+	Q				V
20v20	1.010f	0.1+	Q				V
20v2+	1.011m	0.1+	Q				V
20vF0	1.012m	0.1+	Q				V
20vF+	1.01F8	0.1+	Q				V
20vR0	1.01R8	0.1+	Q				V
20vR+	1.01+9	0.1+	Q				V
20v+0	1.01fm	0.1F	Q				V
20v++	1.01m+	0.11	Q				V
21v 0	1.0182	0.10	Q				V
21v +	1.0190	0.1F	Q				V
21v10	1.0201	0.1+	Q				V
21v1+	1.0211	0.1+	Q				V
21v20	1.0220	0.1F	Q				V
21v2+	1.022m	0.11	Q				V
21vF0	1.02FR	0.10	Q				V
21vF+	1.02RF	0.1F	Q				V
21vR0	1.02+F	0.1+	Q				V
21vR+	1.02fF	0.1+	Q				V
21v+0	1.02m2	0.1F	Q				V
21v++	1.02m9	0.11	Q				V
22v 0	1.028f	0.10	Q				V
22v +	1.029+	0.1F	Q				V
22v10	1.0F0+	0.1+	Q				V
22v1+	1.0F1f	0.1+	Q				V
22v20	1.0F2R	0.1F	Q				V
22v2+	1.0FF2	0.11	Q				V
22vF0	1.0FF9	0.10	Q				V
22vF+	1.0FRf	0.10	Q				V
22vR0	1.0F+F	0.10	Q				V
22vR+	1.0Ff0	0.10	Q				V
22v+0	1.0Ffm	0.10	Q				V
22v++	1.0FmR	0.10	Q				V
2Fv 0	1.0F81	0.10	Q				V
2Fv +	1.0F8m	0.10	Q				V
2Fv10	1.0F9R	0.10	Q				V
2Fv1+	1.0R01	0.10	Q				V
2Fv20	1.0R08	0.10	Q				V
2Fv2+	1.0R1+	0.10	Q				V
2FvF0	1.0R22	0.10	Q				V
2FvF+	1.0R29	0.10	Q				V
2FvR0	1.0RFF	0.10	Q				V
2FvR+	1.0RRF	0.10	Q				V
2Fv+0	1.0R+0	0.10	Q				V
2Fv++	1.0R+m	0.10	Q				V

2Rv 0	1.0RfR	0.10	Q				V
2Rv +	1.0Rf8	0.0+	Q				V
2Rv10	1.0Rf8	0.01	Q				V
2Rv1+	1.0Rf8	0.00	Q				V

Unit Hydrograph Analysis

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Riverside County Synthetic Unit Hydrology Method
RC:C & WCD Manual date - April 1978

Program License Serial Number 5006

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

Drainage Area = 8.FF(Ac.) = 0.01F S3. Mi.
Drainage Area for Depth-Area Areal Adqstment = 8.FF(Ac.) = 0.01F S3. Mi.
Length along longest watercourse = 997.00(:t.)
Length along longest watercourse measured to centroid = w99.00(:t.)
Length along longest watercourse = 0.189 Mi.
Length along longest watercourse measured to centroid = 0.095 Mi.
Difference in elevation = 15.80(:t.)
Slope along watercourse = 8F.6750 :t./Mi.
Average Manning's n = 0.015
Lag time = 0.0Fw Hr.
Lag time = 2.02 Min.
25' of lag time = 0.50 Min.
w0' of lag time = 0.81 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered %ase :loj = 0.00(C:S)

2 BEAR Area rainfall datax

Area(Ac.)Y1[	Rainfall(In)Y2[	weightingY1]2[
8.FF	0.50	w.17

100 BEAR Area rainfall datax

Area(Ac.)Y1[	Rainfall(In)Y2[	weightingY1]2[
8.FF	1.20	10.00

S*TRM EVEN* (BEAR) = 10.00
Area Averaged 2-Bear Rainfall = 0.500(In)
Area Averaged 100-Bear Rainfall = 1.200(In)

Point rain (area averaged) = 0.788(In)
Areal adqstment factor = 99.99 '
Adqstmed average point rain = 0.788(In)

Sub-Area Datax
Area(Ac.) Runoff Inde0 Impervious '
8.FF0 56.00 0.650
*otal Area Entered = 8.FF(Ac.)

RI	RI	Infil. Rate	Impervious	Adq. Infil. Rate	Area'	:
AMC2	AMC-2	(In/Hr)	(Dec.)	(In/Hr)	(Dec.)	(In/Hr)
56.0	56.0	0.511	0.650	0.212	1.000	0.212
						Sum (:)=
						0.212

Area averaged mean soil loss (:)(In/Hr) = 0.212
Minimum soil loss rate ((In/Hr)) = 0.106
(for 2w hour storm duration)
Soil loj loss rate (decimal) = 0.F80

Slope of intensity-duration curve for a 1 hour storm =0.5000

Unit Hydrograph
VALLEB S-Curve

Unit Hydrograph Data

Unit time period *ime ' of lag Distribution Unit Hydrograph

Pro 10yr1hr

Page 1 of 2

	(hrs)		Graph '	(C:S)
1	0.08F	2w7.87F	50.617	w.2w9
2	0.167	w95.7w6	w0.186	F.F7w
F	0.250	7wF.618	7.090	0.595
w	0.FFF	991.w91	2.107	0.177
		Sum = 100.000	Sum=	8.F95

*he following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the ma0imum Effective Rain value

Unit	*ime (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Ma0 Loj	Effective (In/Hr)
1	0.08	w.20	0.F97	(0.212)	0.151
2	0.17	w.F0	0.w07	(0.212)	0.15w
F	0.25	5.00	0.w7F	(0.212)	0.180
w	0.FF	5.00	0.w7F	(0.212)	0.180
5	0.w2	5.80	0.5w8	(0.212)	0.208
6	0.50	6.50	0.615	0.212 (0.2Fw)	0.w0F
7	0.58	7.w0	0.700	0.212 (0.266)	0.w88
8	0.67	8.60	0.81F	0.212 (0.F09)	0.601
9	0.75	12.F0	1.16F	0.212 (0.ww2)	0.951
10	0.8F	29.10	2.751	0.212 (1.0w6)	2.5F9
11	0.92	6.80	0.6wF	0.212 (0.2ww)	0.wF1
12	1.00	5.00	0.w7F	(0.212)	0.180

Sum = 100.0 (Loss Rate Not Used) Sum = 7.1
:lood volume = Effective rainfall 0.59(In)
times area 8.F(Ac.)/Y(In)/(t.)[= 0.w(Ac.:t)
*otal soil loss = 0.19(In)
*otal soil loss = 0.1Fw(Ac.:t)
*otal rainfall = 0.79(In)
:lood volume = 17967.6 Cubic :eet
*otal soil loss = 5857.6 Cubic :eet

Peak floj rate of this hydrograph = 1w.w51(C:S)

1 - H T U R S * T R M
R u n o f f H y d r o g r a p h

*ime(h+m)	Volume	Ac.:t	Q(C:S)	0	5.0	10.0	15.0	20.0
0+ 5	0.0072	1.05	V Q					
0+10	0.020F	1.90	V Q					
0+15	0.0F58	2.2w	V Q					
0+20	0.0525	2.wF	Q V					
0+25	0.0708	2.65	Q V					
0+F0	0.0920	F.09	Q V					
0+F5	0.117w	F.69	Q					
0+w0	0.1w8w	w.50	Q					
0+w5	0.1927	6.wF	Q					
0+50	0.292F	1w.w5	Q					
0+55	0.F685	11.08	Q					
1+ 0	0.F987	w.F8	Q					
1+ 5	0.w10w	1.70	Q					
1+10	0.w121	0.25	Q					
1+15	0.w125	0.05	Q					

Unit Hydrograph Analysis

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Riverside County Synthetic Unit Hydrology Method
RC:C & WCD Manual date - April 1978

Program License Serial Number 5006

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Drainage Area = 8.FF(Ac.) = 0.01F S3. Mi.
Drainage Area for Depth-Area Areal Adqstment = 8.FF(Ac.) = 0.01F S3. Mi.
Length along longest watercourse = 997.00(:t.)
Length along longest watercourse measured to centroid = w99.00(:t.)
Length along longest watercourse = 0.189 Mi.
Length along longest watercourse measured to centroid = 0.095 Mi.
Difference in elevation = 15.80(:t.)
Slope along watercourse = 8F.6750 :t./Mi.
Average Manning's n = 0.015
Lag time = 0.0Fw Hr.
Lag time = 2.02 Min.
25' of lag time = 0.50 Min.
w0' of lag time = 0.81 Min.
Unit time = 5.00 Min.
Duration of storm = F Hour(s)
User Entered %ase :loj = 0.00(C:S)

2 BEAR Area rainfall datax

Area(Ac.)Y1[	Rainfall(In)Y2[	weightingY1]2[
8.FF	0.80	6.66

100 BEAR Area rainfall datax

Area(Ac.)Y1[	Rainfall(In)Y2[	weightingY1]2[
8.FF	1.90	15.8F

S*TRM EVEN* (BEAR) = 10.00
Area Averaged 2-Bear Rainfall = 0.800(In)
Area Averaged 100-Bear Rainfall = 1.900(In)

Point rain (area averaged) = 1.25F(In)
Areal adqstment factor = 100.00 '
Adqstmed average point rain = 1.25F(In)

Sub-Area Datax
Area(Ac.) Runoff Inde0 Impervious '
8.FF0 56.00 0.650
*otal Area Entered = 8.FF(Ac.)

RI	RI	Infil. Rate	Impervious	Adq. Infil. Rate	Area'	:
AMC2	AMC-2	(In/Hr)	(Dec.')	(In/Hr)	(Dec.)	(In/Hr)
56.0	56.0	0.511	0.650	0.212	1.000	0.212
						Sum (:)=
						0.212

Area averaged mean soil loss (:)= 0.212
Minimum soil loss rate ((In/Hr)) = 0.106
(for 2w hour storm duration)
Soil loj loss rate (decimal) = 0.F80

Unit Hydrograph VALLEB S-Curve

Unit Hydrograph Data

Unit time period	*ime ' of lag	Distribution	Unit Hydrograph
(hrs)		Graph '	(C:S)

1	0.08F	2w7.87F	50.617	w.2w9
2	0.167	w95.7w6	w0.186	F.F7w
F	0.250	7wF.618	7.090	0.595
w	0.FFF	991.w91	2.107	0.177
Sum = 100.000			Sum=	8.F95

*he folloing loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the ma0imim Effective Rain value

Unit	*ime (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Ma0 Loj	Effective (In/Hr)	
1	0.08	1.F0	0.195	(0.212)	0.07w	0.121
2	0.17	1.F0	0.195	(0.212)	0.07w	0.121
F	0.25	1.10	0.165	(0.212)	0.06F	0.10F
w	0.FF	1.50	0.225	(0.212)	0.086	0.1w0
5	0.w2	1.50	0.225	(0.212)	0.086	0.1w0
6	0.50	1.80	0.271	(0.212)	0.10F	0.168
7	0.58	1.50	0.225	(0.212)	0.086	0.1w0
8	0.67	1.80	0.271	(0.212)	0.10F	0.168
9	0.75	1.80	0.271	(0.212)	0.10F	0.168
10	0.8F	1.50	0.225	(0.212)	0.086	0.1w0
11	0.92	1.60	0.2w0	(0.212)	0.091	0.1w9
12	1.00	1.80	0.271	(0.212)	0.10F	0.168
1F	1.08	2.20	0.FF1	(0.212)	0.126	0.205
1w	1.17	2.20	0.FF1	(0.212)	0.126	0.205
15	1.25	2.20	0.FF1	(0.212)	0.126	0.205
16	1.FF	2.00	0.F01	(0.212)	0.11w	0.186
17	1.w2	2.60	0.F91	(0.212)	0.1w8	0.2w2
18	1.50	2.70	0.w06	(0.212)	0.15w	0.252
19	1.58	2.w0	0.F61	(0.212)	0.1F7	0.22w
20	1.67	2.70	0.w06	(0.212)	0.15w	0.252
21	1.75	F.F0	0.w96	(0.212)	0.188	0.F08
22	1.8F	F.10	0.w66	(0.212)	0.177	0.289
2F	1.92	2.90	0.wF6	(0.212)	0.166	0.270
2w	2.00	F.00	0.w51	(0.212)	0.171	0.280
25	2.08	F.10	0.w66	(0.212)	0.177	0.289
26	2.17	w.20	0.6F1	0.212 (0.2w0)	0.1w9	0.252
27	2.25	5.00	0.752	0.212 (0.286)	0.5w0	0.252
28	2.FF	F.50	0.526	(0.212) 0.200	0.F26	0.252
29	2.w2	6.80	1.022	0.212 (0.F88)	0.810	0.252
F0	2.50	7.F0	1.097	0.212 (0.w17)	0.885	0.252
F1	2.58	8.20	1.2F2	0.212 (0.w68)	1.020	0.252
F2	2.67	5.90	0.887	0.212 (0.FF7)	0.675	0.252
FF	2.75	2.00	0.F01	(0.212)	0.11w	0.186
Fw	2.8F	1.80	0.271	(0.212)	0.10F	0.168
F5	2.92	1.80	0.271	(0.212)	0.10F	0.168
F6	F.00	0.60	0.090	(0.212)	0.0Fw	0.056

Sum = 100.0 (Loss Rate Not Used) Sum = 10.2
:lood volume = Effective rainfall 0.85(In)
times area 8.F(Ac.)/Y(In)/(C:t.)[= 0.6(Ac.:t)
*total soil loss = 0.w0(In)
*total soil loss = 0.280(Ac.:t)
*total rainfall = 1.25(In)
:lood volume = 25658.9 Cubic :eet
*total soil loss = 1221w.2 Cubic :eet

Peak floj rate of this hydrograph = 7.867(C:S)

+++++ F - H T U R S * T R M +++++
R u n o f f H y d r o g r a p h
Hydrograph in 5 Minute intervals ((C:S))

*ime(h+m)	Volume Ac.:t	Q(C:S)	0	2.5	5.0	7.5	10.0
0+ 5	0.00F5	0.52	V Q				
0+10	0.0099	0.92	V Q				
0+15	0.0162	0.92	V Q				
0+20	0.02FF	1.0F	V Q				
0+25	0.0F1F	1.15	V Q				
0+F0	0.0w01	1.29	V Q				
0+F5	0.0w88	1.27	V Q				
0+w0	0.0579	1.F1	V Q				
0+w5	0.0675	1.F9	V Q				
0+50	0.076F	1.29	Q				
0+55	0.08w8	1.2w	QV				
1+ 0	0.09w0	1.FF	QV				
1+ 5	0.10w7	1.55	QV				
1+10	0.116F	1.69	QV				
1+15	0.1281	1.72	Q V				
1+20	0.1F9w	1.6w	Q V				
1+25	0.1519	1.82	Q V				

Pro 10yr3hr

Page 2 of 3

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Study date 0F/01/22 :ilex pro10+10.out

[illegible]

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Drainage Area =      8.FF(Ac.) =      0.01F S3. &i.
Drainage Area for Depth-Area Area Adjustbent =      8.FF(Ac.) =      0.01F S3. &i.
Length along longest jatercourse =      99P.00(:t.)
Length along longest jatercourse beasured to centroid =      w99.00(:t.)
Length along longest jatercourse =      0.189 &i.
Length along longest jatercourse beasured to centroid =      0.096 &i.
Difference in elevation =      16.80(:t.)
Slope along jatercourse =      8F.+P60 :t./&i.
AMerage &anning4s 4N4 = 0.016
Lag tibe =      0.0Fw Hr.
Lag tibe =      2.02 &i.
26' of lag tibe =      0.60 &i.
w0' of lag tibe =      0.81 &i.
Unit tibe =      6.00 &i.
Duration of storb = + Hour(s)
User Entered %ase :loj =      0.00(c:s)

```

Area(Ac.)Y1[	vainfall(In)Y2[	7eightingY1]2[
8.FF	1.20	10.00

Area(Ac.)Y1[	vainfall(In)Y2[	7eightingY1]2[
8.88	2.60	20.82

S*TV& EVEN* (BEAV) = 10.00
Area AMerged 2-Bear vainfall = 1.200(In)
Area AMerged 100-Bear vainfall = 2.600(In)

```
moint rain (area aMeraged) = 1.PF6(In)
AreaI adqustbent factor = 100.00 '
Adqusted aMerage point rain = 1.PF6(In)
```

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Su5-Area Daxx
Area(Ac.)      vunoff Inde0   IbperMious '
      8.FF0      6+.00      0.+60
*otal Area Entered =      8.FF(Ac.)

```

VI	VI	Infil. vate	Iberpmious	Adq. Infil. vate	Area'	:
A&C2	A&C-2	(In/Hr)	(Dec.')	(In/Hr)	(Dec.)	(In/Hr)
6+.0	6+.0	0.611	0.+60	0.212	1.000	0.212
					Sub (:)	= 0.212

Area aMerged bean soil loss (:) (In/Hr) = 0.212
 &inibub soil loss rate ((In/Hr)) = 0.10+
 (for 2w hour storb duration)
 Soil loj loss rate (decibal) = 0.F80

Unit Hydrograph
VALLEB S-CurMe

Unit Hydrograph Data

Unit time period (hrs)	*ibe ' of lag	Distribution Graph	Unit Hydrograph (C:S)

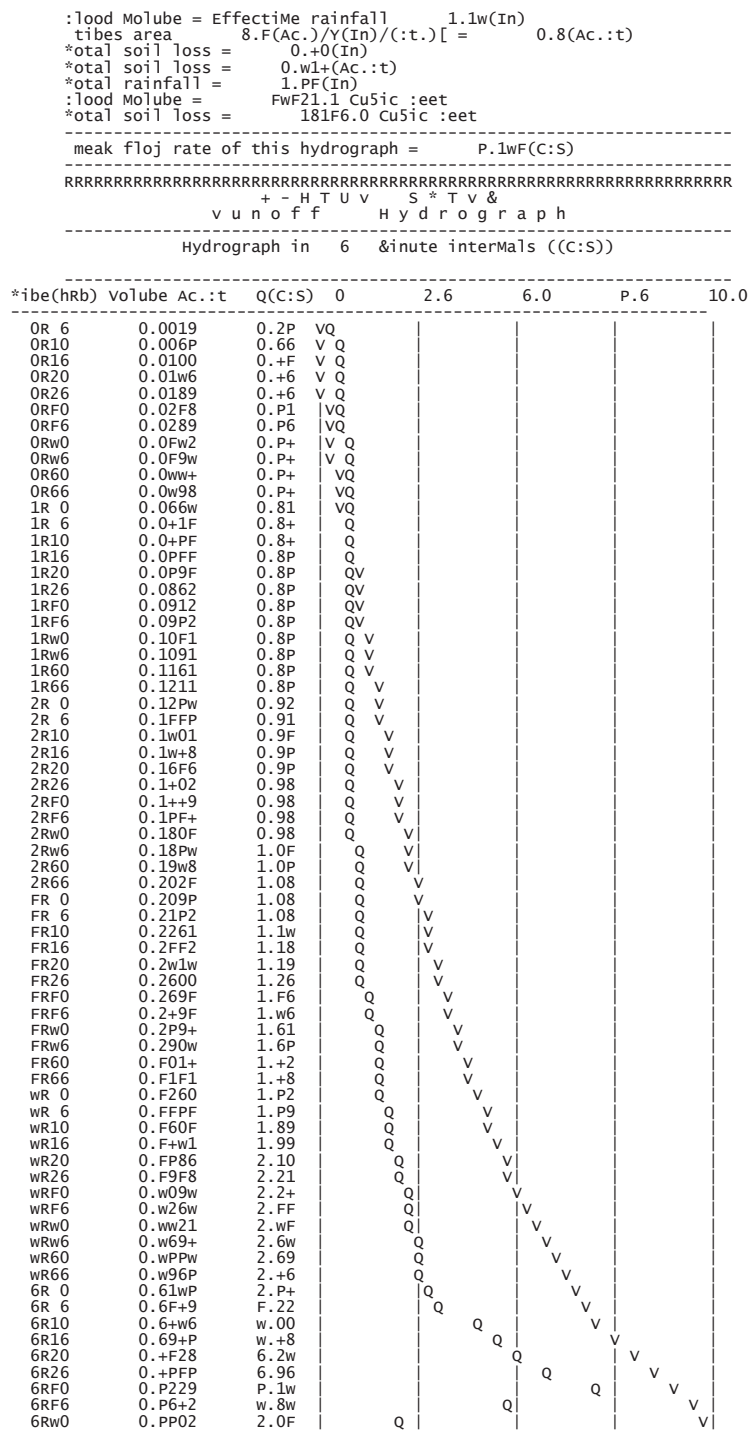
1	0.08F	2wP.8PF	60.+1P	w.2w9
2	0.1+P	w96.Pw+	w0.18+	F.FPW
F	0.260	PwF.+18	P.090	0.696
w	0.FFF	991.w91	2.10P	0.1PP
		Sub = 100.000	Sub=	8.F96

*he folloing loss rate calculations reflect use of the binibub calculated loss rate su5tracted frob the Storb vain to produce the ba0ibub EffectiMe vain Malue

Unit	*ibe (Hr.)	mattern mercent	Storb vain (In/Hr)	Loss rate(In./Hr) &ao Loj	EffectiMe (In/Hr)
1	0.08	0.60	0.10w	(0.212)	0.0w0
2	0.1P	0.+0	0.126	(0.212)	0.0wP
F	0.26	0.+0	0.126	(0.212)	0.0wP
w	0.FF	0.+0	0.126	(0.212)	0.0wP
6	0.w2	0.+0	0.126	(0.212)	0.0wP
+	0.60	0.P0	0.1w+	(0.212)	0.066
P	0.68	0.P0	0.1w+	(0.212)	0.066
8	0.+P	0.P0	0.1w+	(0.212)	0.066
9	0.P6	0.P0	0.1w+	(0.212)	0.066
10	0.8F	0.P0	0.1w+	(0.212)	0.066
11	0.92	0.P0	0.1w+	(0.212)	0.066
12	1.00	0.80	0.1+P	(0.212)	0.0+F
1F	1.08	0.80	0.1+P	(0.212)	0.0+F
1w	1.1P	0.80	0.1+P	(0.212)	0.0+F
16	1.26	0.80	0.1+P	(0.212)	0.0+F
1+	1.FF	0.80	0.1+P	(0.212)	0.0+F
1P	1.w2	0.80	0.1+P	(0.212)	0.0+F
18	1.60	0.80	0.1+P	(0.212)	0.0+F
19	1.68	0.80	0.1+P	(0.212)	0.0+F
20	1.+P	0.80	0.1+P	(0.212)	0.0+F
21	1.P6	0.80	0.1+P	(0.212)	0.0+F
22	1.8F	0.80	0.1+P	(0.212)	0.0+F
2F	1.92	0.80	0.1+P	(0.212)	0.0+F
2w	2.00	0.90	0.18P	(0.212)	0.0P1
26	2.08	0.80	0.1+P	(0.212)	0.0+F
2+	2.1P	0.90	0.18P	(0.212)	0.0P1
2P	2.26	0.90	0.18P	(0.212)	0.0P1
28	2.FF	0.90	0.18P	(0.212)	0.0P1
29	2.w2	0.90	0.18P	(0.212)	0.0P1
F0	2.60	0.90	0.18P	(0.212)	0.0P1
F1	2.68	0.90	0.18P	(0.212)	0.0P1
F2	2.+P	0.90	0.18P	(0.212)	0.0P1
FF	2.P6	1.00	0.208	(0.212)	0.0P9
Fw	2.8F	1.00	0.208	(0.212)	0.0P9
F6	2.92	1.00	0.208	(0.212)	0.0P9
F+	F.00	1.00	0.208	(0.212)	0.0P9
FP	F.08	1.00	0.208	(0.212)	0.0P9
F8	F.1P	1.10	0.229	(0.212)	0.08P
F9	F.26	1.10	0.229	(0.212)	0.08P
w0	F.FF	1.10	0.229	(0.212)	0.08P
w1	F.w2	1.20	0.260	(0.212)	0.096
w2	F.60	1.F0	0.2P1	(0.212)	0.10F
wF	F.68	1.w0	0.291	(0.212)	0.111
ww	F.+P	1.w0	0.291	(0.212)	0.111
w6	F.P6	1.60	0.F12	(0.212)	0.119
w+	F.8F	1.60	0.F12	(0.212)	0.119
wP	F.92	1.+0	0.FFF	(0.212)	0.12P
w8	w.00	1.+0	0.FFF	(0.212)	0.12P
w9	w.08	1.P0	0.F6w	(0.212)	0.1Fw
60	w.1P	1.80	0.FP6	(0.212)	0.1w2
61	w.26	1.90	0.F9+	(0.212)	0.160
62	w.FF	2.00	0.w1+	(0.212)	0.168
6F	w.w2	2.10	0.wFP	(0.212)	0.1++
6w	w.60	2.10	0.wFP	(0.212)	0.1++
66	w.68	2.20	0.w68	(0.212)	0.1Pw
6+	w.+P	2.F0	0.wP9	(0.212)	0.182
6P	w.P6	2.w0	0.600	(0.212)	0.190
68	w.8F	2.w0	0.600	(0.212)	0.190
69	w.92	2.60	0.620	(0.212)	0.198
+0	6.00	2.+0	0.6w1	(0.212)	0.20+
+1	6.08	F.10	0.+w6	0.212 (0.2w6)	0.wFF
+2	6.1P	F.+0	0.Pw9	0.212 (0.286)	0.6FP
+F	6.26	F.90	0.812	0.212 (0.F09)	0.+00
+w	6.FF	w.20	0.8Pw	0.212 (0.FF2)	0.++2
+6	6.w2	w.P0	0.9P8	0.212 (0.FP2)	0.P++
++	6.60	6.+0	1.1++	0.212 (0.wwF)	0.96w
+P	6.68	1.90	0.F9+	(0.212)	0.160
+8	6.+P	0.90	0.18P	(0.212)	0.0P1
+9	6.P6	0.+0	0.126	(0.212)	0.0wP
P0	6.8F	0.60	0.10w	(0.212)	0.0w0
P1	6.92	0.F0	0.0+2	(0.212)	0.02w
P2	+.00	0.20	0.0w2	(0.212)	0.01+
		(Loss vate Not Used)			
Sub =		100.0		Sub =	1F.+

Pro 10yr6hr

Page 2 of 4



Pro 10yr6hr

Page 3 of 4

6Rw6	0. PPPF	1.0w		Q				V
6R60	0. P818	0. +6		Q				V
6R66	0. P8w9	0. w6		Q				V
+R 0	0. P8+9	0. 29		Q				V
+R 6	0. P8PP	0. 12		Q				V
+R10	0. P8P9	0. 02		Q				V
+R16	0. P8P9	0. 00		Q				V

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Study date 0F/01/22 :ilex pro102+10.out

[illegible]

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Drainage Area 3      8.FF(Ac.) 3      0.01F Sq. &i.
Drainage Area =or Depth-Area Area1 Adjustbent 3      8.FF(Ac.) 3      0.01F Sq. &i.
Length along longest watercourse 3      99P.00(:t.)
Length along longest watercourse beasured to centroid 3      +99.00(:t.)
Length along longest watercourse 3      0.189 &i.
Length along longest watercourse beasured to centroid 3      0.096 &i.
Di=ifference in elevation 3      16.80(:t.)
Slope along watercourse 3      8F.fP60 :t./&i.
AMerage &anning4s 4N4 3 0.016
Lag tibe 3      0.0F+ Hr.
Lag tibe 3      2.02 &in.
26' o= lag tibe 3      0.60 &in.
+0' o= lag tibe 3      0.81 &in.
Unit tibe 3      6.00 &in.
Duration o= storb 3 2+ Hour(s)
User Entered %ase :low 3      0.00(C:S)

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Area(Ac.)Y1[8.FF	vain=all(In)Y2[1.80	7eightingY1]2[1+.99

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100 BEAv Area rain=all datax
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Area(Ac.)Y1[8.FF	vain=a]](In)Y2[+.60	7eightingY1]2[FP.+8

S*TV& EVEN* (BEAV) 3 10.00
Area AMerged 2-Bear vain=all 3 1.800(In)
Area AMerged 100-Bear vain=all 3 +.600(In)

```

point rain (area aMerged) 3      2.911(In)
Area1 adjustbent =actor 3 100.00 '
Adjusted aMerged point rain 3      2.911(In)

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Su5-Area Daxx
Area(Ac.)      vuno== Inde0   IbperMious '
      8.FF0      6f.00      0.f60
*otal Area Entered 3      8.FF(Ac.)

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VI	vI	In=il. vate	IbperMious	Adj. In=il. vate	Area'	:
A&C-2	A&C-2	(In/Hr)	(Dec.)	(In/Hr)	(Dec.)	(In/Hr)
6f.0	6f.0	0.611	0.F60	0.212	1.000	0.212
					Sub (:)	3 0.212
Area a	merged	bean soil loss (:)	(In/Hr)	3 0.212		
&inibub	soil loss rate ((In/Hr)	3 0.10f				
(=or 2+	hour storb	duration)				
Soil low	loss rate (decibal)	3 0.F80				

Unit Hydrograph
VALLEB S-CurMe

Unit Hydrograph Data

Unit time period (hrs)	Time of lag	Distribution Graph	Unit Hydrograph (C: S)

1	0.08F	2+P.8PF	60.f1P	+ .2+9
2	0.1fP	+96. P+f	+0.18f	F.FP+
F	0.260	P+f. f18	P.090	0.696
+	0.FFF	991.+91	2.10P	0.1PP
		Sub 3	100.000	Sub3
				8.F96

*he =ollowing loss rate calculations re=lect use o= the binibub calculated loss
rate su5tracted =rob the Storb vain to produce the ba0ibub E==ectiMe vain Malue

Unit	*ibe (Hr.)	mattern mercent	Storb vain (In/Hr)	Loss rate(In./Hr) &a0 Low	E==ectiMe (In/Hr)
1	0.08	0.0P	0.02F	(0.FPF)	0.009
2	0.1P	0.0P	0.02F	(0.FP+)	0.009
F	0.26	0.0P	0.02F	(0.FPF)	0.009
+	0.FF	0.10	0.0F6	(0.FP1)	0.01F
6	0.+2	0.10	0.0F6	(0.FP0)	0.01F
f	0.60	0.10	0.0F6	(0.Ff9)	0.01F
P	0.68	0.10	0.0F6	(0.Ffp)	0.01F
8	0.fP	0.10	0.0F6	(0.Fff)	0.01F
9	0.P6	0.10	0.0F6	(0.Ff+)	0.01F
10	0.8F	0.1F	0.0+P	(0.FfF)	0.018
11	0.92	0.1F	0.0+P	(0.Ff1)	0.018
12	1.00	0.1F	0.0+P	(0.Ff0)	0.018
1F	1.08	0.10	0.0F6	(0.F69)	0.01F
1+	1.1P	0.10	0.0F6	(0.F6P)	0.01F
16	1.26	0.10	0.0F6	(0.F6F)	0.01F
1f	1.FF	0.10	0.0F6	(0.F6+)	0.01F
1P	1.+2	0.10	0.0F6	(0.F6F)	0.01F
18	1.60	0.10	0.0F6	(0.F61)	0.01F
19	1.68	0.10	0.0F6	(0.F60)	0.01F
20	1.fP	0.10	0.0F6	(0.F+9)	0.01F
21	1.P6	0.10	0.0F6	(0.F+P)	0.01F
22	1.8F	0.1F	0.0+P	(0.F+f)	0.018
2F	1.92	0.1F	0.0+P	(0.F++)	0.018
2+	2.00	0.1F	0.0+P	(0.F+f)	0.018
26	2.08	0.1F	0.0+P	(0.F+2)	0.018
2f	2.1P	0.1F	0.0+P	(0.F+0)	0.018
2P	2.26	0.1F	0.0+P	(0.FF9)	0.018
28	2.FF	0.1F	0.0+P	(0.FF8)	0.018
29	2.+2	0.1F	0.0+P	(0.FFf)	0.018
F0	2.60	0.1F	0.0+P	(0.FF6)	0.018
F1	2.68	0.1P	0.068	(0.FFF)	0.022
F2	2.fP	0.1P	0.068	(0.FF2)	0.022
FF	2.P6	0.1P	0.068	(0.FF1)	0.022
F+	2.8F	0.1P	0.068	(0.F29)	0.022
F6	2.92	0.1P	0.068	(0.F28)	0.022
Ff	F.00	0.1P	0.068	(0.F2P)	0.022
FP	F.08	0.1P	0.068	(0.F26)	0.022
F8	F.1P	0.1P	0.068	(0.F2+)	0.022
F9	F.26	0.1P	0.068	(0.F2F)	0.022
+0	F.FF	0.1P	0.068	(0.F21)	0.022
+1	F.+2	0.1P	0.068	(0.F20)	0.022
+2	F.60	0.1P	0.068	(0.F19)	0.022
+F	F.68	0.1P	0.068	(0.F1P)	0.022
++	F.fP	0.1P	0.068	(0.F1f)	0.022
+6	F.P6	0.1P	0.068	(0.F16)	0.022
+	F.8F	0.20	0.0P0	(0.F1F)	0.02P
+P	F.92	0.20	0.0P0	(0.F12)	0.02P
+8	+.00	0.20	0.0P0	(0.F11)	0.02P
+9	+.08	0.20	0.0P0	(0.F09)	0.02P
60	+.1P	0.20	0.0P0	(0.F08)	0.02P
61	+.26	0.20	0.0P0	(0.F0P)	0.02P
62	+.FF	0.2F	0.082	(0.F06)	0.0F1
6F	+.+2	0.2F	0.082	(0.F0+)	0.0F1
6+	+.60	0.2F	0.082	(0.F0F)	0.0F1
66	+.68	0.2F	0.082	(0.F01)	0.0F1
6f	+.fP	0.2F	0.082	(0.F00)	0.0F1
6P	+.P6	0.2F	0.082	(0.299)	0.0F1
68	+.8F	0.2P	0.09F	(0.298)	0.0F6
69	+.92	0.2P	0.09F	(0.29f)	0.0F6
f0	6.00	0.2P	0.09F	(0.296)	0.0F6
f1	6.08	0.20	0.0P0	(0.29+)	0.02P
f2	6.1P	0.20	0.0P0	(0.292)	0.02P
ff	6.26	0.20	0.0P0	(0.291)	0.02P
f+	6.FF	0.2F	0.082	(0.290)	0.0F1
f6	6.+2	0.2F	0.082	(0.289)	0.0F1
ff	6.60	0.2F	0.082	(0.28P)	0.0F1
fP	6.68	0.2P	0.09F	(0.28f)	0.0F6
f8	6.fP	0.2P	0.09F	(0.286)	0.0F6
f9	6.P6	0.2P	0.09F	(0.28+)	0.0F6
P0	6.8F	0.2P	0.09F	(0.282)	0.0F6
P1	6.92	0.2P	0.09F	(0.281)	0.0F6
P2	f.00	0.2P	0.09F	(0.280)	0.0F6
PF	f.08	0.F0	0.106	(0.2P9)	0.0+0
P+	f.1P	0.F0	0.106	(0.2PP)	0.0+0

Pro 10yr24hr

Page 2 of 9

P6	f.26	0.F0	0.106	(0.2Pf)	0.0+0	0.0f6
Pf	f.FF	0.F0	0.106	(0.2P6)	0.0+0	0.0f6
PP	f.+2	0.F0	0.106	(0.2P+)	0.0+0	0.0f6
P8	f.60	0.F0	0.106	(0.2P2)	0.0+0	0.0f6
P9	f.68	0.FF	0.11f	(0.2P1)	0.0++	0.0P2
80	f.fP	0.FF	0.11f	(0.2P0)	0.0++	0.0P2
81	f.p6	0.FF	0.11f	(0.2f9)	0.0++	0.0P2
82	f.8f	0.FF	0.11f	(0.2f8)	0.0++	0.0P2
8f	f.92	0.FF	0.11f	(0.2ff)	0.0++	0.0P2
8+	P.00	0.FF	0.11f	(0.2f6)	0.0++	0.0P2
86	P.08	0.FF	0.11f	(0.2f+)	0.0++	0.0P2
8f	P.1P	0.FF	0.11f	(0.2ff)	0.0++	0.0P2
8P	P.26	0.FF	0.11f	(0.2f2)	0.0++	0.0P2
88	P.FF	0.FP	0.128	(0.2f0)	0.0+9	0.0P9
89	P.+2	0.FP	0.128	(0.269)	0.0+9	0.0P9
90	P.60	0.FP	0.128	(0.268)	0.0+9	0.0P9
91	P.68	0.+0	0.1+0	(0.26P)	0.06F	0.08P
92	P.fP	0.+0	0.1+0	(0.26f)	0.06F	0.08P
9f	P.p6	0.+0	0.1+0	(0.26+)	0.06F	0.08P
9+	P.8f	0.+F	0.161	(0.26f)	0.068	0.09+
96	P.92	0.+F	0.161	(0.262)	0.068	0.09+
9f	8.00	0.+F	0.161	(0.261)	0.068	0.09+
9P	8.08	0.60	0.1P6	(0.260)	0.0ff	0.108
98	8.1P	0.60	0.1P6	(0.2+9)	0.0ff	0.108
99	8.26	0.60	0.1P6	(0.2+P)	0.0ff	0.108
100	8.FF	0.60	0.1P6	(0.2+f)	0.0ff	0.108
101	8.+2	0.60	0.1P6	(0.2+6)	0.0ff	0.108
102	8.60	0.60	0.1P6	(0.2++)	0.0ff	0.108
10f	8.68	0.6f	0.18f	(0.2+f)	0.0P1	0.116
10+	8.fP	0.6f	0.18f	(0.2+2)	0.0P1	0.116
106	8.p6	0.6f	0.18f	(0.2+1)	0.0P1	0.116
10f	8.8f	0.6P	0.198	(0.2f9)	0.0P6	0.12F
10P	8.92	0.6P	0.198	(0.2f8)	0.0P6	0.12F
108	9.00	0.6P	0.198	(0.2fP)	0.0P6	0.12F
109	9.08	0.ff	0.221	(0.2ff)	0.08+	0.1FP
110	9.1P	0.ff	0.221	(0.2f6)	0.08+	0.1FP
111	9.26	0.ff	0.221	(0.2f+)	0.08+	0.1FP
112	9.FF	0.fP	0.2FF	(0.2FF)	0.088	0.1++
11f	9.+2	0.fP	0.2FF	(0.2f2)	0.088	0.1++
11+	9.60	0.fP	0.2FF	(0.2f0)	0.088	0.1++
116	9.68	0.P0	0.2+6	(0.229)	0.09F	0.162
11f	9.fP	0.P0	0.2+6	(0.228)	0.09F	0.162
11P	9.p6	0.P0	0.2+6	(0.22P)	0.09F	0.162
118	9.8f	0.PF	0.26f	(0.22f)	0.09P	0.169
119	9.92	0.PF	0.26f	(0.226)	0.09P	0.169
120	10.00	0.PF	0.26f	(0.22+)	0.09P	0.169
121	10.08	0.60	0.1P6	(0.22f)	0.0ff	0.108
122	10.1P	0.60	0.1P6	(0.222)	0.0ff	0.108
12f	10.26	0.60	0.1P6	(0.221)	0.0ff	0.108
12+	10.FF	0.60	0.1P6	(0.220)	0.0ff	0.108
126	10.+2	0.60	0.1P6	(0.218)	0.0ff	0.108
12f	10.60	0.60	0.1P6	(0.21P)	0.0ff	0.108
12P	10.68	0.fP	0.2FF	(0.21f)	0.088	0.1++
128	10.fP	0.fP	0.2FF	(0.216)	0.088	0.1++
129	10.p6	0.fP	0.2FF	(0.21+)	0.088	0.1++
1f0	10.8f	0.fP	0.2FF	(0.21f)	0.088	0.1++
1f1	10.92	0.fP	0.2FF	(0.212)	0.088	0.1++
1f2	11.00	0.fP	0.2FF	(0.211)	0.088	0.1++
1ff	11.08	0.ff	0.221	(0.210)	0.08+	0.1FP
1f+	11.1P	0.ff	0.221	(0.209)	0.08+	0.1FP
1f6	11.26	0.ff	0.221	(0.208)	0.08+	0.1FP
1ff	11.FF	0.ff	0.221	(0.20P)	0.08+	0.1FP
1FP	11.+2	0.ff	0.221	(0.20f)	0.08+	0.1FP
1f8	11.60	0.ff	0.221	(0.206)	0.08+	0.1FP
1f9	11.68	0.6P	0.198	(0.20+)	0.0P6	0.12F
1+0	11.fP	0.6P	0.198	(0.20f)	0.0P6	0.12F
1+1	11.p6	0.6P	0.198	(0.202)	0.0P6	0.12F
1+2	11.8f	0.f0	0.210	(0.201)	0.080	0.1F0
1+f	11.92	0.f0	0.210	(0.200)	0.080	0.1F0
1++	12.00	0.f0	0.210	(0.199)	0.080	0.1F0
1+6	12.08	0.8f	0.291	(0.198)	0.111	0.180
1+f	12.1P	0.8f	0.291	(0.19P)	0.111	0.180
1+P	12.26	0.8f	0.291	(0.19f)	0.111	0.180
1+8	12.FF	0.8P	0.F0F	(0.196)	0.116	0.188
1+9	12.+2	0.8P	0.F0F	(0.19+)	0.116	0.188
160	12.60	0.8P	0.F0F	(0.19f)	0.116	0.188
161	12.68	0.9f	0.F2f	(0.192)	0.12+	0.202
162	12.fP	0.9f	0.F2f	(0.191)	0.12+	0.202
16f	12.p6	0.9f	0.F2f	(0.190)	0.12+	0.202
16+	12.8f	0.9P	0.FF8	(0.189)	0.128	0.209
166	12.92	0.9P	0.FF8	(0.188)	0.128	0.209
16f	1f.00	0.9P	0.FF8	(0.18P)	0.128	0.209
16P	1f.08	1.1f	0.F9f	(0.18f)	0.160	0.2+6
168	1f.1P	1.1f	0.F9f	(0.186)	0.160	0.2+6
169	1f.26	1.1f	0.F9f	(0.18+)	0.160	0.2+6
1f0	1f.FF	1.1f	0.F9f	(0.18f)	0.160	0.2+6
1f1	1f.+2	1.1f	0.F9f	(0.182)	0.160	0.2+6

Pro 10yr24hr

Page 3 of 9

1f2	1F.60	1.1F	0.F9f	(0.182)	0.160	0.2+6
1ff	1F.68	0.PP	0.2f8	(0.181)	0.102	0.1ff
1f+	1F.fP	0.PP	0.2f8	(0.180)	0.102	0.1ff
1f6	1F.P6	0.PP	0.2f8	(0.1P9)	0.102	0.1ff
1ff	1F.8F	0.PP	0.2f8	(0.1P8)	0.102	0.1ff
1fP	1F.92	0.PP	0.2f8	(0.1PP)	0.102	0.1ff
1f8	1+.00	0.PP	0.2f8	(0.1PF)	0.102	0.1ff
1f9	1+.08	0.90	0.F1+	(0.1P6)	0.119	0.196
1P0	1+.1P	0.90	0.F1+	(0.1P+)	0.119	0.196
1P1	1+.26	0.90	0.F1+	(0.1PF)	0.119	0.196
1P2	1+.FF	0.8P	0.F0F	(0.1PF)	0.116	0.188
1PF	1+.+2	0.8P	0.F0F	(0.1P2)	0.116	0.188
1P+	1+.60	0.8P	0.F0F	(0.1P1)	0.116	0.188
1P6	1+.68	0.8P	0.F0F	(0.1P0)	0.116	0.188
1Pf	1+.fP	0.8P	0.F0F	(0.1f9)	0.116	0.188
1PP	1+.P6	0.8P	0.F0F	(0.1f8)	0.116	0.188
1P8	1+.8F	0.8F	0.291	(0.1fP)	0.111	0.180
1P9	1+.92	0.8F	0.291	(0.1ff)	0.111	0.180
180	16.00	0.8F	0.291	(0.1ff)	0.111	0.180
181	16.08	0.80	0.2P9	(0.1f6)	0.10f	0.1PF
182	16.1P	0.80	0.2P9	(0.1f+)	0.10f	0.1PF
18F	16.26	0.80	0.2P9	(0.1fF)	0.10f	0.1PF
18+	16.FF	0.PP	0.2f8	(0.1f2)	0.102	0.1ff
186	16.+2	0.PP	0.2f8	(0.1f1)	0.102	0.1ff
18f	16.60	0.PP	0.2f8	(0.1f1)	0.102	0.1ff
18P	16.68	0.fF	0.221	(0.1f0)	0.08+	0.1FP
188	16.fP	0.fF	0.221	(0.169)	0.08+	0.1FP
189	16.P6	0.fF	0.221	(0.168)	0.08+	0.1FP
190	16.8F	0.fF	0.221	(0.16P)	0.08+	0.1FP
191	16.92	0.fF	0.221	(0.16f)	0.08+	0.1FP
192	1f.00	0.fF	0.221	(0.16f)	0.08+	0.1FP
19F	1f.08	0.1F	0.0+P	(0.166)	0.018	0.029
19+	1f.1P	0.1F	0.0+P	(0.16+)	0.018	0.029
196	1f.26	0.1F	0.0+P	(0.16F)	0.018	0.029
19f	1f.FF	0.1F	0.0+P	(0.16F)	0.018	0.029
19P	1f.+2	0.1F	0.0+P	(0.162)	0.018	0.029
198	1f.60	0.1F	0.0+P	(0.161)	0.018	0.029
199	1f.68	0.10	0.0F6	(0.160)	0.01F	0.022
200	1f.fP	0.10	0.0F6	(0.1+9)	0.01F	0.022
201	1f.P6	0.10	0.0F6	(0.1+9)	0.01F	0.022
202	1f.8F	0.10	0.0F6	(0.1+8)	0.01F	0.022
20F	1f.92	0.10	0.0F6	(0.1+P)	0.01F	0.022
20+	1P.00	0.10	0.0F6	(0.1+f)	0.01F	0.022
206	1P.08	0.1P	0.068	(0.1+f)	0.022	0.0Ff
20f	1P.1P	0.1P	0.068	(0.1+6)	0.022	0.0Ff
20P	1P.26	0.1P	0.068	(0.1++)	0.022	0.0Ff
208	1P.FF	0.1P	0.068	(0.1+f)	0.022	0.0Ff
209	1P.+2	0.1P	0.068	(0.1+f)	0.022	0.0Ff
210	1P.60	0.1P	0.068	(0.1+2)	0.022	0.0Ff
211	1P.68	0.1P	0.068	(0.1+1)	0.022	0.0Ff
212	1P.fP	0.1P	0.068	(0.1+1)	0.022	0.0Ff
21F	1P.P6	0.1P	0.068	(0.1+0)	0.022	0.0Ff
21+	1P.8F	0.1F	0.0+P	(0.1F9)	0.018	0.029
216	1P.92	0.1F	0.0+P	(0.1F9)	0.018	0.029
21f	18.00	0.1F	0.0+P	(0.1F8)	0.018	0.029
21P	18.08	0.1F	0.0+P	(0.1FP)	0.018	0.029
218	18.1P	0.1F	0.0+P	(0.1FP)	0.018	0.029
219	18.26	0.1F	0.0+P	(0.1FF)	0.018	0.029
220	18.FF	0.1F	0.0+P	(0.1F6)	0.018	0.029
221	18.+2	0.1F	0.0+P	(0.1F6)	0.018	0.029
222	18.60	0.1F	0.0+P	(0.1F+)	0.018	0.029
22F	18.68	0.10	0.0F6	(0.1FF)	0.01F	0.022
22+	18.fP	0.10	0.0F6	(0.1FF)	0.01F	0.022
226	18.P6	0.10	0.0F6	(0.1F2)	0.01F	0.022
22f	18.8F	0.0P	0.02F	(0.1F1)	0.009	0.01+
22P	18.92	0.0P	0.02F	(0.1F1)	0.009	0.01+
228	19.00	0.0P	0.02F	(0.1F0)	0.009	0.01+
229	19.08	0.10	0.0F6	(0.129)	0.01F	0.022
2F0	19.1P	0.10	0.0F6	(0.129)	0.01F	0.022
2F1	19.26	0.10	0.0F6	(0.128)	0.01F	0.022
2F2	19.FF	0.1F	0.0+P	(0.128)	0.018	0.029
2FF	19.+2	0.1F	0.0+P	(0.12P)	0.018	0.029
2F+	19.60	0.1F	0.0+P	(0.12f)	0.018	0.029
2F6	19.68	0.10	0.0F6	(0.12f)	0.01F	0.022
2Ff	19.fP	0.10	0.0F6	(0.126)	0.01F	0.022
2FP	19.P6	0.10	0.0F6	(0.126)	0.01F	0.022
2F8	19.8F	0.0P	0.02F	(0.12+)	0.009	0.01+
2F9	19.92	0.0P	0.02F	(0.12+)	0.009	0.01+
2+0	20.00	0.0P	0.02F	(0.12F)	0.009	0.01+
2+1	20.08	0.10	0.0F6	(0.12F)	0.01F	0.022
2+2	20.1P	0.10	0.0F6	(0.122)	0.01F	0.022
2+F	20.26	0.10	0.0F6	(0.121)	0.01F	0.022
2++	20.FF	0.10	0.0F6	(0.121)	0.01F	0.022
2+6	20.+2	0.10	0.0F6	(0.120)	0.01F	0.022
2+f	20.60	0.10	0.0F6	(0.120)	0.01F	0.022
2+P	20.68	0.10	0.0F6	(0.119)	0.01F	0.022
2+8	20.fP	0.10	0.0F6	(0.119)	0.01F	0.022

Pro 10yr24hr

Page 4 of 9

[illegible]

*ibe(hRb)	Volube	AC.:t	Q(C:S)	0	2.6	6.0	P.6	10.0
0R 6	0.000+		0.0f Q					
0R10	0.0012		0.11 Q					
0R16	0.0020		0.12 Q					
0R20	0.00f0		0.16 Q					
0R26	0.00+f		0.18 Q					
0Rf0	0.0066		0.18 Q					
0RF6	0.00f8		0.18 Q					
0R+0	0.0080		0.18 Q					
0R+6	0.009F		0.18 Q					
0R60	0.010P		0.21 Q					
0R66	0.012+		0.2+ Q					
1R 0	0.01+0		0.2+ Q					
1R 6	0.0166		0.21 Q					
1R10	0.01f8		0.19 Q					
1R16	0.0180		0.18 Q					
1R20	0.019F		0.18 Q					
1R26	0.0206		0.18 Q					
1RF0	0.0218		0.18 Q					
1RF6	0.02F0		0.18 Q					
1R+0	0.02+f		0.18 Q					
1R+6	0.0266		0.18 Q					
1R60	0.02P0		0.21 Q					
1R66	0.028f		0.2+ Q					
2R 0	0.0F0F		0.2+ Q					
2R 6	0.0F20		0.2+ QV					
2R10	0.0FFf		0.2+ QV					

2R16	0.0F6F	0.2+	QV				
2R20	0.0FP0	0.2+	QV				
2R26	0.0F8P	0.2+	QV				
2RF0	0.0+0F	0.2+	QV				
2RF6	0.0+22	0.2P	Q				
2R+0	0.0++F	0.F0	Q				
2R+6	0.0+FF	0.F0	Q				
2R60	0.0+8+	0.F0	Q				
2R66	0.0606	0.F0	Q				
FR 0	0.062f	0.F0	Q				
FR 6	0.06+P	0.F0	Q				
FR10	0.06f8	0.F0	Q				
FR16	0.0689	0.F0	Q				
FR20	0.0f10	0.F0	Q				
FR26	0.0ff0	0.F0	QV				
FRF0	0.0f61	0.F0	QV				
FRF6	0.0fP2	0.F0	QV				
FR+0	0.0f9F	0.F0	QV				
FR+6	0.0P1+	0.F0	QV				
FR60	0.0PFP	0.FF	QV				
FR66	0.0Pf2	0.FF	QV				
+R 0	0.0P8P	0.FF	QV				
+R 6	0.0812	0.FF	QV				
+R10	0.08FP	0.FF	QV				
+R16	0.08f2	0.FF	QV				
+R20	0.0889	0.F9	QV				
+R26	0.0918	0.+2	QV				
+RF0	0.09+P	0.+2	Q V				
+RF6	0.09Pf	0.+2	Q V				
+R+0	0.1006	0.+2	Q V				
+R+6	0.10F6	0.+2	Q V				
+R60	0.10ff	0.+f	Q V				
+R66	0.1099	0.+8	Q V				
6R 0	0.11F2	0.+8	Q V				
6R 6	0.11f1	0.+2	Q V				
6R10	0.118P	0.FP	Q V				
6R16	0.1212	0.FP	Q V				
6R20	0.12+0	0.F9	Q V				
6R26	0.12f8	0.+2	Q V				
6RF0	0.1298	0.+2	Q V				
6RF6	0.1F29	0.+f	Q V				
6R+0	0.1Ff2	0.+8	Q V				
6R+6	0.1F96	0.+8	Q V				
6R60	0.1+29	0.+9	Q V				
6R66	0.1+f2	0.+9	Q V				
FR 0	0.1+9f	0.+9	Q V				
FR 6	0.16F1	0.62	Q V				
FR10	0.16f8	0.6+	Q V				
FR16	0.1f0f	0.6+	Q V				
FR20	0.1f+1	0.66	Q V				
FR26	0.1f81	0.66	Q V				
FRF0	0.1P19	0.66	Q V				
FRF6	0.1P68	0.68	Q V				
FR+0	0.1800	0.F0	Q V				
FR+6	0.18+1	0.f1	Q V				
FR60	0.188F	0.f1	Q V				
FR66	0.1926	0.f1	Q V				
PR 0	0.19fP	0.f1	Q V				
PR 6	0.2008	0.f1	Q V				
PR10	0.2060	0.f1	Q V				
PR16	0.2092	0.f1	Q V				
PR20	0.21Ff	0.f+	Q V				
PR26	0.2181	0.ff	Q V				
PRF0	0.222P	0.fP	Q V				
PRF6	0.22P6	0.P0	Q V				
PR+0	0.2F26	0.P2	Q V				
PR+6	0.2FP6	0.PF	Q V				
PR60	0.2+2P	0.Pf	Q V				
PR66	0.2+81	0.P8	Q V				
8R 0	0.26F6	0.P9	Q V				
8R 6	0.269+	0.86	Q V				
8R10	0.2f6f	0.90	Q V				
8R16	0.2P18	0.91	Q V				
8R20	0.2P81	0.91	Q V				
8R26	0.28+F	0.91	Q V				
8RF0	0.290f	0.91	Q V				
8RF6	0.29P1	0.9+	Q V				
8R+0	0.F0FP	0.9f	Q V				
8R+6	0.F10+	0.9P	Q V				
8R60	0.F1PF	1.00	Q V				
8R66	0.F2+F	1.0F	Q V				
9R 0	0.FF1+	1.0F	Q V				
9R 6	0.FF89	1.09	Q V				
9R10	0.F+f8	1.1+	Q V				
9R16	0.F6+P	1.16	Q V				
9R20	0.Ff29	1.18	Q V				
9R26	0.FP12	1.21	Q V				

9RF0	0.FP96	1.21	Q	V		
9RF6	0.F881	1.2+	Q	V		
9R+0	0.F9f8	1.2P	Q	V		
9R+6	0.+06f	1.2P	Q	V		
9R60	0.+1+f	1.F0	Q	V		
9R66	0.+2FP	1.FF	Q	V		
10R 0	0.+F29	1.FF	Q	V		
10R 6	0.++0f	1.12	Q	V		
10R10	0.++P1	0.96	Q	V		
10R16	0.+6F+	0.92	Q	V		
10R20	0.+69P	0.91	Q	V		
10R26	0.+ff0	0.91	Q	V		
10RF0	0.+P22	0.91	Q	V		
10RF6	0.+P9f	1.0f	Q	V		
10R+0	0.+8PP	1.18	Q	V		
10R+6	0.+9f0	1.21	Q	V		
10R60	0.60++	1.21	Q	V		
10R66	0.612P	1.21	Q	V		
11R 0	0.6211	1.21	Q	V		
11R 6	0.6292	1.18	Q	V		
11R10	0.6FP2	1.1f	Q	V		
11R16	0.6+61	1.16	Q	V		
11R20	0.66F1	1.16	Q	V		
11R26	0.6f10	1.16	Q	V		
11RF0	0.6f89	1.16	Q	V		
11RF6	0.6Pf6	1.09	Q	V		
11R+0	0.68Ff	1.0+	Q	V		
11R+6	0.690P	1.0f	Q	V		
11R60	0.6981	1.0f	Q	V		
11R66	0.f066	1.09	Q	V		
12R 0	0.f1F0	1.09	Q	V		
12R 6	0.f220	1.F1	Q	V		
12R10	0.fF22	1.+8	Q	V		
12R16	0.f+2f	1.61	Q	V		
12R20	0.f6F2	1.66	Q	V		
12R26	0.fF+1	1.6P	Q	V		
12RF0	0.fP+9	1.68	Q	V		
12RF6	0.f8f2	1.f+	Q	V		
12R+0	0.f9P8	1.f9	Q	V		
12R+6	0.P096	1.P0	Q	V		
12R60	0.P21+	1.PF	Q	V		
12R66	0.PFF+	1.P6	Q	V		
1FR 0	0.P+66	1.Pf	Q	V		
1FR 6	0.P68P	1.91	Q	V		
1FR10	0.PP2P	2.0F	Q	V		
1FR16	0.P8f9	2.0f	Q	V		
1FR20	0.8011	2.0f	Q	V		
1FR26	0.816F	2.0f	Q	V		
1FRF0	0.8296	2.0f	Q	V		
1FRF6	0.8+1F	1.P2	Q	V		
1FR+0	0.861+	1.+f	Q	V		
1FR+6	0.8f11	1.+1	Q	V		
1FR60	0.8P0P	1.F9	Q	V		
1FR66	0.880F	1.F9	Q	V		
1+R 0	0.8899	1.F9	Q	V		
1+R 6	0.900F	1.62	Q	V		
1+R10	0.9116	1.f1	Q	V		
1+R16	0.922P	1.fF	Q	V		
1+R20	0.9FF8	1.f1	Q	V		
1+R26	0.9++f	1.68	Q	V		
1+RF0	0.9666	1.68	Q	V		
1+RF6	0.9ff+	1.68	Q	V		
1+R+0	0.9PP2	1.68	Q	V		
1+R+6	0.9881	1.68	Q	V		
1+R60	0.998P	1.66	Q	V		
1+R66	1.0092	1.62	Q	V		
16R 0	1.019P	1.62	Q	V		
16R 6	1.0299	1.+9	Q	V		
16R10	1.0F99	1.+f	Q	V		
16R16	1.0600	1.+f	Q	V		
16R20	1.0698	1.+2	Q	V		
16R26	1.0f9+	1.+0	Q	V		
16RF0	1.0P90	1.+0	Q	V		
16RF6	1.08P8	1.2P	Q	V		
16R+0	1.0969	1.1P	Q	V		
16R+6	1.10F9	1.1f	Q	V		
16R60	1.1118	1.16	Q	V		
16R66	1.119P	1.16	Q	V		
1fR 0	1.12PP	1.16	Q	V		
1fR 6	1.1F2+	0.f9	Q	V		
1fR10	1.1F+P	0.FF	Q	V		
1fR16	1.1Ff6	0.2f	Q	V		
1fR20	1.1F81	0.2+	Q	V		
1fR26	1.1F98	0.2+	Q	V		
1fRF0	1.1+16	0.2+	Q	V		
1fRF6	1.1+29	0.21	Q	V		
1fR+0	1.1+2	0.19	Q	V		

1FR+6	1.1+66	0.18	Q				V
1FR60	1.1+FP	0.18	Q				V
1FR66	1.1+80	0.18	Q				V
1PR 0	1.1+9F	0.18	Q				V
1PR 6	1.1609	0.2+	Q				V
1PR10	1.1629	0.29	Q				V
1PR16	1.1660	0.F0	Q				V
1PR20	1.16P1	0.F0	Q				V
1PR26	1.1692	0.F0	Q				V
1PRF0	1.1f1F	0.F0	Q				V
1PRF6	1.1ff+	0.F0	Q				V
1PR+0	1.1f66	0.F0	Q				V
1PR+6	1.1fp6	0.F0	Q				V
1PR60	1.1f9+	0.2P	Q				V
1PR66	1.1P11	0.26	Q				V
18R 0	1.1P28	0.2+	Q				V
18R 6	1.1P+6	0.2+	Q				V
18R10	1.1Pf1	0.2+	Q				V
18R16	1.1PP8	0.2+	Q				V
18R20	1.1P96	0.2+	Q				V
18R26	1.1812	0.2+	Q				V
18RF0	1.1828	0.2+	Q				V
18RF6	1.18+f	0.21	Q				V
18R+0	1.186f	0.19	Q				V
18R+6	1.18f8	0.18	Q				V
18R60	1.18P9	0.16	Q				V
18R66	1.1888	0.1F	Q				V
19R 0	1.189f	0.12	Q				V
19R 6	1.190f	0.16	Q				V
19R10	1.1919	0.18	Q				V
19R16	1.19F1	0.18	Q				V
19R20	1.19+f	0.21	Q				V
19R26	1.19f2	0.2+	Q				V
19RF0	1.19P9	0.2+	Q				V
19RF6	1.199F	0.21	Q				V
19R+0	1.200f	0.19	Q				V
19R+6	1.2019	0.18	Q				V
19R60	1.2029	0.16	Q				V
19R66	1.20F8	0.1F	Q				V
20R 0	1.20+f	0.12	Q				V
20R 6	1.206P	0.16	Q				V
20R10	1.20f9	0.18	Q				V
20R16	1.2081	0.18	Q				V
20R20	1.209+	0.18	Q				V
20R26	1.210f	0.18	Q				V
20RF0	1.2119	0.18	Q				V
20RF6	1.21F1	0.18	Q				V
20R+0	1.21++	0.18	Q				V
20R+6	1.216P	0.18	Q				V
20R60	1.21fP	0.16	Q				V
20R66	1.21Pf	0.1F	Q				V
21R 0	1.218+	0.12	Q				V
21R 6	1.2196	0.16	Q				V
21R10	1.220P	0.18	Q				V
21R16	1.2219	0.18	Q				V
21R20	1.22F0	0.16	Q				V
21R26	1.22F8	0.1F	Q				V
21RF0	1.22+P	0.12	Q				V
21RF6	1.226P	0.16	Q				V
21R+0	1.22f9	0.18	Q				V
21R+6	1.2282	0.18	Q				V
21R60	1.2292	0.16	Q				V
21R66	1.2F01	0.1F	Q				V
22R 0	1.2F09	0.12	Q				V
22R 6	1.2F20	0.16	Q				V
22R10	1.2FF2	0.18	Q				V
22R16	1.2F++	0.18	Q				V
22R20	1.2F66	0.16	Q				V
22R26	1.2Ff+	0.1F	Q				V
22RF0	1.2FP2	0.12	Q				V
22RF6	1.2F80	0.12	Q				V
22R+0	1.2F89	0.12	Q				V
22R+6	1.2F9P	0.12	Q				V
22R60	1.2+06	0.12	Q				V
22R66	1.2+1+	0.12	Q				V
2FR 0	1.2+22	0.12	Q				V
2FR 6	1.2+F0	0.12	Q				V
2FR10	1.2+F9	0.12	Q				V
2FR16	1.2++P	0.12	Q				V
2FR20	1.2+6f	0.12	Q				V
2FR26	1.2+f+	0.12	Q				V
2FRF0	1.2+P2	0.12	Q				V
2FRF6	1.2+81	0.12	Q				V
2FR+0	1.2+89	0.12	Q				V
2FR+6	1.2+9P	0.12	Q				V
2FR60	1.260f	0.12	Q				V
2FR66	1.261+	0.12	Q				V

2+R 0	1.2622	0.12	Q				V
2+R 6	1.262F	0.0F	Q				V
2+R10	1.262P	0.01	Q				V
2+R16	1.262P	0.00	Q				V

Unit Hydrograph Analysis

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Riverside County Synthetic Unit Hydrology Method
RC:C & WCD Manual date - April 1978

Program License Serial Number 5006

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Drainage Area = 8.FF(Ac.) = 0.01F S3. Mi.
Drainage Area for Depth-Area Areal Adqstment = 8.FF(Ac.) = 0.01F S3. Mi.
Length along longest watercourse = 997.00(:t.)
Length along longest watercourse measured to centroid = w99.00(:t.)
Length along longest watercourse = 0.189 Mi.
Length along longest watercourse measured to centroid = 0.095 Mi.
Difference in elevation = 15.80(:t.)
Slope along watercourse = 8F.6750 :t./Mi.
Average Manning's n = 0.015
Lag time = 0.0Fw Hr.
Lag time = 2.02 Min.
25' of lag time = 0.50 Min.
w0' of lag time = 0.81 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered %ase :loj = 0.00(C:S)

2 BEAR Area rainfall datax

Area(Ac.)Y1[	Rainfall(In)Y2[	weightingY1]2[
8.FF	0.50	w.17

100 BEAR Area rainfall datax

Area(Ac.)Y1[	Rainfall(In)Y2[	weightingY1]2[
8.FF	1.20	10.00

S*TRM EVEN* (BEAR) = 100.00
Area Averaged 2-Bear Rainfall = 0.500(In)
Area Averaged 100-Bear Rainfall = 1.200(In)

Point rain (area averaged) = 1.200(In)
Areal adqstment factor = 99.99 '
Adqstmed average point rain = 1.200(In)

Sub-Area Datax
Area(Ac.) Runoff Inde0 Impervious '
8.FF0 56.00 0.650
*otal Area Entered = 8.FF(Ac.)

RI	RI	Infil. Rate	Impervious	Adq. Infil. Rate	Area'	:
AMC2	AMC-2	(In/Hr)	(Dec.')	(In/Hr)	(Dec.)	(In/Hr)
56.0	56.0	0.511	0.650	0.212	1.000	0.212
						Sum (:)=
						0.212

Area averaged mean soil loss (:)= 0.212
Minimum soil loss rate ((In/Hr)) = 0.106
(for 2w hour storm duration)
Soil loj loss rate (decimal) = 0.F80

Slope of intensity-duration curve for a 1 hour storm =0.5000

Unit Hydrograph
VALLEB S-Curve

Unit Hydrograph Data

Unit time period *ime ' of lag Distribution Unit Hydrograph

Pro 100yr1hr

Page 1 of 2

	(hrs)		Graph '	(C:S)
1	0.08F	2w7.87F	50.617	w.2w9
2	0.167	w95.7w6	w0.186	F.F7w
F	0.250	7wF.618	7.090	0.595
w	0.FFF	991.w91	2.107	0.177
		Sum = 100.000	Sum=	8.F95

*he following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the ma0imum Effective Rain value

Unit	*ime (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Ma0 Loj	Effective (In/Hr)
1	0.08	w.20	0.605	0.212 (0.2F0)	0.F9F
2	0.17	w.F0	0.619	0.212 (0.2F5)	0.w07
F	0.25	5.00	0.720	0.212 (0.27w)	0.508
w	0.FF	5.00	0.720	0.212 (0.27w)	0.508
5	0.w2	5.80	0.8F5	0.212 (0.F17)	0.62F
6	0.50	6.50	0.9F6	0.212 (0.F56)	0.72w
7	0.58	7.w0	1.066	0.212 (0.w05)	0.85w
8	0.67	8.60	1.2F8	0.212 (0.w71)	1.026
9	0.75	12.F0	1.771	0.212 (0.67F)	1.559
10	0.8F	29.10	w.190	0.212 (1.592)	F.978
11	0.92	6.80	0.979	0.212 (0.F72)	0.767
12	1.00	5.00	0.720	0.212 (0.27w)	0.508
		(Loss Rate Not Used)			
	Sum =	100.0			Sum = 11.9
	lood volume = Effective rainfall 0.99(In)				
	times area 8.F(Ac.)/(In)/(t.)[= 0.7(Ac.:t)				
	*otal soil loss = 0.21(In)				
	*otal soil loss = 0.1w7(Ac.:t)				
	*otal rainfall = 1.20(In)				
	lood volume = 29872.9 Cubic :eet				
	*otal soil loss = 6w09.9 Cubic :eet				

Peak floj rate of this hydrograph = 22.9F8(C:S)

1 - H T U R S * T R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((C:S))

*ime(h+m)	Volume	Ac.:t	Q(C:S)	0	7.5	15.0	22.5	F0.0
0+ 5	0.0115	1.67	V Q					
0+10	0.0F26	F.06	V Q					
0+15	0.0585	F.77	V Q					
0+20	0.087F	w.19	V Q					
0+25	0.1200	w.7w	V Q					
0+F0	0.158w	5.57	V Q					
0+F5	0.20Fw	6.5F	V Q					
0+w0	0.2570	7.79	V Q					
0+w5	0.FF09	10.7F	V Q					
0+50	0.w888	22.9w	V Q					
0+55	0.611w	17.80	V Q					
1+ 0	0.662F	7.F9	V Q					
1+ 5	0.6821	2.88	V Q					
1+10	0.6852	0.wv	V Q					
1+15	0.6858	0.09	V Q					

Unit Hydrograph Analysis

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Riverside County Synthetic Unit Hydrology Method
RC:C & WCD Manual date - April 1978

Program License Serial Number 5006

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Drainage Area = 8.FF(Ac.) = 0.01F S3. Mi.
Drainage Area for Depth-Area Areal Adqstment = 8.FF(Ac.) = 0.01F S3. Mi.
Length along longest watercourse = 997.00(:t.)
Length along longest watercourse measured to centroid = w99.00(:t.)
Length along longest watercourse = 0.189 Mi.
Length along longest watercourse measured to centroid = 0.095 Mi.
Difference in elevation = 15.80(:t.)
Slope along watercourse = 8F.6750 :t./Mi.
Average Manning's n = 0.015
Lag time = 0.0Fw Hr.
Lag time = 2.02 Min.
25' of lag time = 0.50 Min.
w0' of lag time = 0.81 Min.
Unit time = 5.00 Min.
Duration of storm = F Hour(s)
User Entered %ase :loj = 0.00(C:S)

2 BEAR Area rainfall datax

Area(Ac.)Y1[	Rainfall(In)Y2[	weightingY1]2[
8.FF	0.80	6.66

100 BEAR Area rainfall datax

Area(Ac.)Y1[	Rainfall(In)Y2[	weightingY1]2[
8.FF	1.90	15.8F

S*TRM EVEN* (BEAR) = 100.00
Area Averaged 2-Bear Rainfall = 0.800(In)
Area Averaged 100-Bear Rainfall = 1.900(In)

Point rain (area averaged) = 1.900(In)
Areal adqstment factor = 100.00 '
Adqstmed average point rain = 1.900(In)

Sub-Area Datax
Area(Ac.) Runoff Inde0 Impervious '
8.FF0 56.00 0.650
*otal Area Entered = 8.FF(Ac.)

RI	RI	Infil. Rate	Impervious	Adq. Infil. Rate	Area'	:
AMC2	AMC-2	(In/Hr)	(Dec.')	(In/Hr)	(Dec.)	(In/Hr)
56.0	56.0	0.511	0.650	0.212	1.000	0.212
						Sum (:)=

Area averaged mean soil loss (:)= 0.212
Minimum soil loss rate ((In/Hr)) = 0.106
(for 2w hour storm duration)
Soil loj loss rate (decimal) = 0.F80

Unit Hydrograph VALLEB S-Curve

Unit Hydrograph Data

Unit time period	*ime ' of lag	Distribution	Unit Hydrograph
(hrs)		Graph '	(C:S)

1	0.08F	2w7.87F	50.617	w.2w9
2	0.167	w95.7w6	w0.186	F.F7w
F	0.250	7wF.618	7.090	0.595
w	0.FFF	991.w91	2.107	0.177
Sum = 100.000			Sum=	8.F95

*he folloing loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the ma0imum Effective Rain value

Unit	*ime (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Ma0	Loj	Effective (In/Hr)
1	0.08	1.F0	0.296	(0.212)	0.11F	0.18w
2	0.17	1.F0	0.296	(0.212)	0.11F	0.18w
F	0.25	1.10	0.251	(0.212)	0.095	0.155
w	0.FF	1.50	0.Fw2	(0.212)	0.1F0	0.212
5	0.w2	1.50	0.Fw2	(0.212)	0.1F0	0.212
6	0.50	1.80	0.w10	(0.212)	0.156	0.25w
7	0.58	1.50	0.Fw2	(0.212)	0.1F0	0.212
8	0.67	1.80	0.w10	(0.212)	0.156	0.25w
9	0.75	1.80	0.w10	(0.212)	0.156	0.25w
10	0.8F	1.50	0.Fw2	(0.212)	0.1F0	0.212
11	0.92	1.60	0.F65	(0.212)	0.1F9	0.226
12	1.00	1.80	0.w10	(0.212)	0.156	0.25w
1F	1.08	2.20	0.502	(0.212)	0.191	0.F11
1w	1.17	2.20	0.502	(0.212)	0.191	0.F11
15	1.25	2.20	0.502	(0.212)	0.191	0.F11
16	1.FF	2.00	0.w56	(0.212)	0.17F	0.28F
17	1.w2	2.60	0.59F	0.212 (0.225)		0.F81
18	1.50	2.70	0.616	0.212 (0.2Fw)		0.w0w
19	1.58	2.w0	0.5w7	(0.212)	0.208	0.FF9
20	1.67	2.70	0.616	0.212 (0.2Fw)		0.w0w
21	1.75	F.F0	0.752	0.212 (0.286)		0.5w0
22	1.8F	F.10	0.707	0.212 (0.269)		0.w95
2F	1.92	2.90	0.661	0.212 (0.251)		0.ww9
2w	2.00	F.00	0.68w	0.212 (0.260)		0.w72
25	2.08	F.10	0.707	0.212 (0.269)		0.w95
26	2.17	w.20	0.958	0.212 (0.F6w)		0.7w6
27	2.25	5.00	1.1w0	0.212 (0.wFF)		0.928
28	2.FF	F.50	0.798	0.212 (0.F0F)		0.586
29	2.w2	6.80	1.550	0.212 (0.589)		1.FF8
F0	2.50	7.F0	1.66w	0.212 (0.6F2)		1.w52
F1	2.58	8.20	1.870	0.212 (0.710)		1.658
F2	2.67	5.90	1.Fw5	0.212 (0.511)		1.1FF
FF	2.75	2.00	0.w56	(0.212)	0.17F	0.28F
Fw	2.8F	1.80	0.w10	(0.212)	0.156	0.25w
F5	2.92	1.80	0.w10	(0.212)	0.156	0.25w
F6	F.00	0.60	0.1F7	(0.212)	0.052	0.085

Sum = 100.0 (Loss Rate Not Used) Sum = 16.5
:lood volume = Effective rainfall 1.F8(In)
times area 8.F(Ac.)/(Y(In))/(.t.)[= 1.0(Ac.:t)
*total soil loss = 0.52(In)
*total soil loss = 0.F6F(Ac.:t)
*otal rainfall = 1.90(In)
:lood volume = w16wF.9 Cubic :eet
*total soil loss = 15806.0 Cubic :eet

Peak floj rate of this hydrograph = 12.850(C:S)

+++++ F - H T U R S * T R M +++++
R u n o f f H y d r o g r a p h
Hydrograph in 5 Minute intervals ((C:S))

*ime(h+m)	Volume Ac.:t	Q(C:S)	0	5.0	10.0	15.0	20.0
0+ 5	0.005w	0.78	vQ				
0+10	0.0150	1.w0	v Q				
0+15	0.02w6	1.F9	vQ				
0+20	0.0F5w	1.57	v Q				
0+25	0.0w7w	1.7w	v Q				
0+F0	0.0608	1.95	vQ				
0+F5	0.07w1	1.92	Q				
0+w0	0.0878	1.99	Q				
0+w5	0.102F	2.11	Q				
0+50	0.1158	1.95	QV				
0+55	0.1287	1.87	Q V				
1+ 0	0.1w25	2.02	QV				
1+ 5	0.1588	2.F5	Q V				
1+10	0.176w	2.56	Q V				
1+15	0.19wF	2.60	Q V				
1+20	0.2115	2.w9	Q V				
1+25	0.2F09	2.81	Q V				

1+F0	0.25F1	F.22	Q	V			
1+F5	0.27wF	F.08	Q	V			
1+w0	0.2961	F.17	Q	V			
1+w5	0.F2F2	F.9F	Q	V			
1+50	0.F52F	w.2F	Q	V			
1+55	0.F797	F.97	Q	V			
2+ 0	0.w066	F.91	Q	V			
2+ 5	0.wFw5	w.05	Q	V			
2+10	0.w70w	5.20	Q	V			
2+15	0.5175	6.8w	Q	V			
2+20	0.5599	6.16	Q	V			
2+25	0.617w	8.F5	Q	V			
2+F0	0.69w6	11.21	Q	V			
2+F5	0.78F1	12.85	Q	V			
2+w0	0.862w	11.51	Q	V			
2+w5	0.9055	6.27	Q	V			
2+50	0.9262	F.00	Q	V			
2+55	0.9w21	2.F1	Q	V			
F+ 0	0.9519	1.w2	Q	V			
F+ 5	0.955F	0.w8	Q	V			
F+10	0.9559	0.10	Q	V			
F+15	0.9560	0.02	Q	V			

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Study date 0F/01/22 :ilex pro100+100.out

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Drainage Area =      8.FF(Ac.) =      0.01F S3. &i.
Drainage Area for Depth-Area Area Adjustbent =      8.FF(Ac.) =      0.01F S3. &i.
Length along longest jatercourse =      99P.00(:t.)
Length along longest jatercourse beasured to centroid =      w99.00(:t.)
Length along longest jatercourse =      0.189 &i.
Length along longest jatercourse beasured to centroid =      0.096 &i.
Difference in elevation =      16.80(:t.)
Slope along jatercourse =      8F.+P60 :t./&i.
AMerage &anning4s 4N4 = 0.016
Lag tibe =      0.0Fw Hr.
Lag tibe =      2.02 &i.
26' of lag tibe =      0.60 &i.
w0' of lag tibe =      0.81 &i.
Unit tibe =      6.00 &i.
Duration of storb = + Hour(s)
User Entered %ase :loj =      0.00(C:S)

```

Area(Ac.)Y1[	vainfall(In)Y2[	7eightingY1]2[
8.FF	1.20	10.00

100 BEAv Area rainfall datax

Area(Ac.)Y1[	vainfall(In)Y2[	7eightingY1]2[
8.FF	2.60	20.82

S*TV& EVEN* (BEAV) = 100.00
 Area AMerged 2-Bear vainfall = 1.200(In)
 Area AMerged 100-Bear vainfall = 2.600(In)

```
moint rain (area aMeraged) = 2.600(In)
Areaj adqustbent factor = 100.00 '
Adqusted aMerage point rain = 2.600(In)
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Su5-Area Daxx
Area(Ac.)          vunoff Inde0   IbperMious '
      8.FF0          6+.00         0.+60
*otal Area Entered =      8.FF(Ac.)

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VI	VI	Infil. vate	Iberpmious	Adq. Infil. vate	Area'	:
A&C2	A&C-2	(In/Hr)	(Dec.')	(In/Hr)	(Dec.)	(In/Hr)
6+.0	6+.0	0.611	0.+60	0.212	1.000	0.212
					Sub (:)	= 0.212

Area averaged bean soil loss (:) (In/Hr) = 0.212
 &inibub soil loss rate ((In/Hr)) = 0.10+
 (for 2w hour storb duration)
 Soil loj loss rate (decibal) = 0.F80

Unit Hydrograph
VALLEB S-CurMe

Unit Hydrograph Data

Unit time period (hrs)	*ibe ' of lag	Distribution Graph	Unit Hydrograph (C:S)

1	0.08F	2wP.8PF	60.+1P	w.2w9
2	0.1+P	w96.Pw+	w0.18+	F.FPW
F	0.260	PwF.+18	P.090	0.696
w	0.FFF	991.w91	2.10P	0.1PP
Sub = 100.000			Sub=	8.F96

*he folloing loss rate calculations reflect use of the binibub calculated loss rate su5tracted frob the Storb vain to produce the ba0ibub EffectiMe vain Malue

Unit	*ibe (Hr.)	mattern mercent	Storb vain (In/Hr)	Loss rate(In./Hr) &ao Loj	EffectiMe (In/Hr)
1	0.08	0.60	0.160	(0.212)	0.06P
2	0.1P	0.+0	0.180	(0.212)	0.0+8
F	0.26	0.+0	0.180	(0.212)	0.0+8
w	0.FF	0.+0	0.180	(0.212)	0.0+8
6	0.w2	0.+0	0.180	(0.212)	0.0+8
+	0.60	0.P0	0.210	(0.212)	0.080
P	0.68	0.P0	0.210	(0.212)	0.080
8	0.+P	0.P0	0.210	(0.212)	0.080
9	0.P6	0.P0	0.210	(0.212)	0.080
10	0.8F	0.P0	0.210	(0.212)	0.080
11	0.92	0.P0	0.210	(0.212)	0.080
12	1.00	0.80	0.2w0	(0.212)	0.091
1F	1.08	0.80	0.2w0	(0.212)	0.091
1w	1.1P	0.80	0.2w0	(0.212)	0.091
16	1.26	0.80	0.2w0	(0.212)	0.091
1+	1.FF	0.80	0.2w0	(0.212)	0.091
1P	1.w2	0.80	0.2w0	(0.212)	0.091
18	1.60	0.80	0.2w0	(0.212)	0.091
19	1.68	0.80	0.2w0	(0.212)	0.091
20	1.+P	0.80	0.2w0	(0.212)	0.091
21	1.P6	0.80	0.2w0	(0.212)	0.091
22	1.8F	0.80	0.2w0	(0.212)	0.091
2F	1.92	0.80	0.2w0	(0.212)	0.091
2w	2.00	0.90	0.2P0	(0.212)	0.10F
26	2.08	0.80	0.2w0	(0.212)	0.091
2+	2.1P	0.90	0.2P0	(0.212)	0.10F
2P	2.26	0.90	0.2P0	(0.212)	0.10F
28	2.FF	0.90	0.2P0	(0.212)	0.10F
29	2.w2	0.90	0.2P0	(0.212)	0.10F
F0	2.60	0.90	0.2P0	(0.212)	0.10F
F1	2.68	0.90	0.2P0	(0.212)	0.10F
F2	2.+P	0.90	0.2P0	(0.212)	0.10F
FF	2.P6	1.00	0.F00	(0.212)	0.11w
Fw	2.8F	1.00	0.F00	(0.212)	0.11w
F6	2.92	1.00	0.F00	(0.212)	0.11w
F+	F.00	1.00	0.F00	(0.212)	0.11w
FP	F.08	1.00	0.F00	(0.212)	0.11w
F8	F.1P	1.10	0.FF0	(0.212)	0.126
F9	F.26	1.10	0.FF0	(0.212)	0.126
w0	F.FF	1.10	0.FF0	(0.212)	0.126
w1	F.w2	1.20	0.F+0	(0.212)	0.1FP
w2	F.60	1.F0	0.F90	(0.212)	0.1w8
wF	F.68	1.w0	0.w20	(0.212)	0.1+0
ww	F.+P	1.w0	0.w20	(0.212)	0.1+0
w6	F.P6	1.60	0.w60	(0.212)	0.1P1
w+	F.8F	1.60	0.w60	(0.212)	0.1P1
wP	F.92	1.+0	0.w80	(0.212)	0.182
w8	w.00	1.+0	0.w80	(0.212)	0.182
w9	w.08	1.P0	0.610	(0.212)	0.19w
60	w.1P	1.80	0.6w0	(0.212)	0.206
61	w.26	1.90	0.6P0	0.212 (0.21P)	0.F68
62	w.FF	2.00	0.+00	0.212 (0.228)	0.F88
6F	w.w2	2.10	0.+F0	0.212 (0.2F9)	0.w18
6w	w.60	2.10	0.+F0	0.212 (0.2F9)	0.w18
66	w.68	2.20	0.++0	0.212 (0.261)	0.ww8
6+	w.+P	2.F0	0.+90	0.212 (0.2+2)	0.wP8
6P	w.P6	2.w0	0.P20	0.212 (0.2Pw)	0.608
68	w.8F	2.w0	0.P20	0.212 (0.2Pw)	0.608
69	w.92	2.60	0.P60	0.212 (0.286)	0.6F8
+0	6.00	2.+0	0.P80	0.212 (0.29+)	0.6+8
+1	6.08	F.10	0.9F0	0.212 (0.F6F)	0.P18
+2	6.1P	F.+0	1.080	0.212 (0.w10)	0.8+8
+F	6.26	F.90	1.1P0	0.212 (0.ww6)	0.968
+w	6.FF	w.20	1.2+0	0.212 (0.wP9)	1.0w8
+6	6.w2	w.P0	1.w10	0.212 (0.6F+)	1.198
++	6.60	6.+0	1.+80	0.212 (0.+F8)	1.w+8
+P	6.68	1.90	0.6P0	0.212 (0.21P)	0.F68
+8	6.+P	0.90	0.2P0	(0.212)	0.10F
+9	6.P6	0.+0	0.180	(0.212)	0.0+8
P0	6.8F	0.60	0.160	(0.212)	0.06P
P1	6.92	0.F0	0.090	(0.212)	0.0Fw
P2	+.00	0.20	0.0+0	(0.212)	0.02F
(Loss vate Not Used)					
Sub =	100.0			Sub =	20.+

Pro 100yr6hr

Page 2 of 4

[illegible]

6Rw6	1.1P8+	1.61	Q				V
6R60	1.1861	0.9w	Q				V
6R66	1.1896	0.+6	Q				V
+R 0	1.192w	0.w2	Q				V
+R 6	1.19F+	0.18	Q				V
+R10	1.19F8	0.0F	Q				V
+R16	1.19F9	0.01	Q				V

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Drainage Area 3      8.FF(Ac.) 3      0.01F Sq. &i.
Drainage Area =or Depth-Area Area1 Adjustbent 3      8.FF(Ac.) 3      0.01F Sq. &i.
Length along longest watercourse 3      99P.00(:t.)
Length along longest watercourse beasured to centroid 3      +99.00(:t.)
Length along longest watercourse 3      0.189 &i.
Length along longest watercourse beasured to centroid 3      0.096 &i.
Di=ifference in elevation 3      16.80(:t.)
Slope along watercourse 3      8F.fP60 :t./&i.
AMerage &anning4s 4N4 3 0.016
Lag tibe 3      0.0F+ Hr.
Lag tibe 3      2.02 &in.
26' o= lag tibe 3      0.60 &in.
+0' o= lag tibe 3      0.81 &in.
Unit tibe 3      6.00 &in.
Duration o= storb 3 2+ Hour(s)
User Entered %ase :low 3      0.00(C:S)

```

Area(Ac.)Y1[8.FF	vain=all(In)Y2[1.80	7eightingY1]2[1+.99

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100 BEAv Area rain=all datax
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Area(Ac.)Y1[8.FF	vain=a]](In)Y2[+.60	7eightingY1]2[FP.+8

S*TV& EVEN* (BEAV) 3 100.00
Area AMerged 2-Bear vain=all 3 1.800(In)
Area AMerged 100-Bear vain=all 3 +.600(In)

```
moint rain (area aMeraged) 3    +.600(In)
Area1 adjustbent =actor 3 100.00 '
Adjusted aMerage point rain 3    +.600(In)
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Su5-Area Daxx
Area(Ac.)      vuno== Inde0   IbperMious '
      8.FF0      6f.00      0.f60
*otal Area Entered 3      8.FF(Ac.)

```

VI	vI	In=il. vate	IbperMious	Adj. In=il. vate	Area'	:
A&C-2	A&C-2	(In/Hr)	(Dec.)	(In/Hr)	(Dec.)	(In/Hr)
6f.0	6f.0	0.611	0.F60	0.212	1.000	0.212
					Sub (:)	3 0.212
Area a	merged	bean soil loss (:)	(In/Hr)	3 0.212		
&inibub	soil loss rate ((In/Hr)	3 0.10f				
(=or 2+	hour storb	duration)				
Soil low	loss rate (decibal)	3 0.F80				

Unit Hydrograph
VALLEB S-CurMe

Unit Hydrograph Data

Unit time period (hrs)	Time of lag	Distribution Graph	Unit Hydrograph (C: S)

1	0.08F	2+P.8PF	60.f1P	+ .2+9
2	0.1fP	+96. P+f	+0.18f	F.FP+
F	0.260	P+F.f18	P.090	0.696
+	0.FFF	991.+91	2.10P	0.1PP
			Sub 3 100.000	Sub3 8.F96

*he =ollowing loss rate calculations re=lect use o= the binibub calculated loss rate su5tracted =rob the Storb vain to produce the ba0ibub E==ectiMe vain Malue

unit	*ibe (Hr.)	matten mercent	Storb vain (In/Hr)	Loss rate(In./Hr) &a0 Low	E==ectiMe (In/Hr)	
1	0.08	0.0P	0.0Fff	(0.FPf)	0.01+	0.022
2	0.1P	0.0P	0.0Fff	(0.FP+)	0.01+	0.022
F	0.26	0.0P	0.0Fff	(0.FPf)	0.01+	0.022
+	0.FF	0.10	0.06+	(0.FP1)	0.021	0.0FF
6	0.+2	0.10	0.06+	(0.FP0)	0.021	0.0FF
f	0.60	0.10	0.06+	(0.Ff9)	0.021	0.0FF
P	0.68	0.10	0.06+	(0.FfP)	0.021	0.0FF
8	0.fP	0.10	0.06+	(0.Fff)	0.021	0.0FF
9	0.P6	0.10	0.06+	(0.Ff+)	0.021	0.0FF
10	0.8F	0.1F	0.0P2	(0.FfF)	0.02P	0.0+6
11	0.92	0.1F	0.0P2	(0.Ff1)	0.02P	0.0+6
12	1.00	0.1F	0.0P2	(0.Ff0)	0.02P	0.0+6
1F	1.08	0.10	0.06+	(0.F69)	0.021	0.0FF
1+	1.1P	0.10	0.06+	(0.F6P)	0.021	0.0FF
16	1.26	0.10	0.06+	(0.F6F)	0.021	0.0FF
1f	1.FF	0.10	0.06+	(0.F6+)	0.021	0.0FF
1P	1.+2	0.10	0.06+	(0.F6F)	0.021	0.0FF
18	1.60	0.10	0.06+	(0.F61)	0.021	0.0FF
19	1.68	0.10	0.06+	(0.F60)	0.021	0.0FF
20	1.fP	0.10	0.06+	(0.F+9)	0.021	0.0FF
21	1.P6	0.10	0.06+	(0.F+P)	0.021	0.0FF
22	1.8F	0.1F	0.0P2	(0.F+f)	0.02P	0.0+6
2F	1.92	0.1F	0.0P2	(0.F++)	0.02P	0.0+6
2+	2.00	0.1F	0.0P2	(0.F+F)	0.02P	0.0+6
26	2.08	0.1F	0.0P2	(0.F+2)	0.02P	0.0+6
2f	2.1P	0.1F	0.0P2	(0.F+0)	0.02P	0.0+6
2P	2.26	0.1F	0.0P2	(0.FF9)	0.02P	0.0+6
28	2.FF	0.1F	0.0P2	(0.FF8)	0.02P	0.0+6
29	2.+2	0.1F	0.0P2	(0.FFf)	0.02P	0.0+6
F0	2.60	0.1F	0.0P2	(0.FF6)	0.02P	0.0+6
F1	2.68	0.1P	0.090	(0.FFF)	0.0F+	0.06f
F2	2.fP	0.1P	0.090	(0.FF2)	0.0F+	0.06f
FF	2.P6	0.1P	0.090	(0.FF1)	0.0F+	0.06f
F+	2.8F	0.1P	0.090	(0.F29)	0.0F+	0.06f
F6	2.92	0.1P	0.090	(0.F28)	0.0F+	0.06f
Ff	F.00	0.1P	0.090	(0.F2P)	0.0F+	0.06f
FP	F.08	0.1P	0.090	(0.F26)	0.0F+	0.06f
F8	F.1P	0.1P	0.090	(0.F2+)	0.0F+	0.06f
F9	F.26	0.1P	0.090	(0.F2F)	0.0F+	0.06f
+0	F.FF	0.1P	0.090	(0.F21)	0.0F+	0.06f
+1	F.+2	0.1P	0.090	(0.F20)	0.0F+	0.06f
+2	F.60	0.1P	0.090	(0.F19)	0.0F+	0.06f
+F	F.68	0.1P	0.090	(0.F1P)	0.0F+	0.06f
++	F.fP	0.1P	0.090	(0.F1f)	0.0F+	0.06f
+6	F.P6	0.1P	0.090	(0.F16)	0.0F+	0.06f
+	F.8F	0.20	0.108	(0.F1F)	0.0+1	0.0fP
+P	F.92	0.20	0.108	(0.F12)	0.0+1	0.0fP
+8	+.00	0.20	0.108	(0.F11)	0.0+1	0.0fP
+9	+.08	0.20	0.108	(0.F09)	0.0+1	0.0fP
60	+.1P	0.20	0.108	(0.F08)	0.0+1	0.0fP
61	+.26	0.20	0.108	(0.F0P)	0.0+1	0.0fP
62	+.FF	0.2F	0.12f	(0.F06)	0.0+8	0.0P8
6F	+.+2	0.2F	0.12f	(0.F0+)	0.0+8	0.0P8
6+	+.60	0.2F	0.12f	(0.F0F)	0.0+8	0.0P8
66	+.68	0.2F	0.12f	(0.F01)	0.0+8	0.0P8
6f	+.fP	0.2F	0.12f	(0.F00)	0.0+8	0.0P8
6P	+.P6	0.2F	0.12f	(0.299)	0.0+8	0.0P8
68	+.8F	0.2P	0.1++	(0.298)	0.066	0.089
69	+.92	0.2P	0.1++	(0.29f)	0.066	0.089
f0	6.00	0.2P	0.1++	(0.296)	0.066	0.089
f1	6.08	0.20	0.108	(0.29+)	0.0+1	0.0fP
f2	6.1P	0.20	0.108	(0.292)	0.0+1	0.0fP
ff	6.26	0.20	0.108	(0.291)	0.0+1	0.0fP
f+	6.FF	0.2F	0.12f	(0.290)	0.0+8	0.0P8
f6	6.+2	0.2F	0.12f	(0.289)	0.0+8	0.0P8
ff	6.60	0.2F	0.12f	(0.28P)	0.0+8	0.0P8
fP	6.68	0.2P	0.1++	(0.28f)	0.066	0.089
f8	6.fP	0.2P	0.1++	(0.286)	0.066	0.089
f9	6.P6	0.2P	0.1++	(0.28+)	0.066	0.089
P0	6.8F	0.2P	0.1++	(0.282)	0.066	0.089
P1	6.92	0.2P	0.1++	(0.281)	0.066	0.089
P2	f.00	0.2P	0.1++	(0.280)	0.066	0.089
PF	f.08	0.F0	0.1f2	(0.2P9)	0.0f2	0.100
P+	f.1P	0.F0	0.1f2	(0.2PP)	0.0f2	0.100

P6	f.26	0.F0	0.1f2	(0.2Pf)	0.0f2	0.100
Pf	f.FF	0.F0	0.1f2	(0.2P6)	0.0f2	0.100
PP	f.+2	0.F0	0.1f2	(0.2P+)	0.0f2	0.100
P8	f.60	0.F0	0.1f2	(0.2P2)	0.0f2	0.100
P9	f.68	0.FF	0.180	(0.2P1)	0.0f8	0.112
80	f.fP	0.FF	0.180	(0.2P0)	0.0f8	0.112
81	f.p6	0.FF	0.180	(0.2f9)	0.0f8	0.112
82	f.8f	0.FF	0.180	(0.2f8)	0.0f8	0.112
8f	f.92	0.FF	0.180	(0.2ff)	0.0f8	0.112
8+	P.00	0.FF	0.180	(0.2f6)	0.0f8	0.112
86	P.08	0.FF	0.180	(0.2f+)	0.0f8	0.112
8f	P.1P	0.FF	0.180	(0.2ff)	0.0f8	0.112
8P	P.26	0.FF	0.180	(0.2f2)	0.0f8	0.112
88	P.FF	0.FP	0.198	(0.2f0)	0.0P6	0.12F
89	P.+2	0.FP	0.198	(0.269)	0.0P6	0.12F
90	P.60	0.FP	0.198	(0.268)	0.0P6	0.12F
91	P.68	0.+0	0.21f	(0.26P)	0.082	0.1F+
92	P.fP	0.+0	0.21f	(0.26f)	0.082	0.1F+
9f	P.p6	0.+0	0.21f	(0.26+)	0.082	0.1F+
9+	P.8f	0.+F	0.2F+	(0.26f)	0.089	0.1+6
96	P.92	0.+F	0.2F+	(0.262)	0.089	0.1+6
9f	8.00	0.+F	0.2F+	(0.261)	0.089	0.1+6
9P	8.08	0.60	0.2P0	(0.260)	0.10f	0.1fP
98	8.1P	0.60	0.2P0	(0.2+9)	0.10f	0.1fP
99	8.26	0.60	0.2P0	(0.2+P)	0.10f	0.1fP
100	8.FF	0.60	0.2P0	(0.2+f)	0.10f	0.1fP
101	8.+2	0.60	0.2P0	(0.2+6)	0.10f	0.1fP
102	8.60	0.60	0.2P0	(0.2++)	0.10f	0.1fP
10f	8.68	0.6f	0.288	(0.2+f)	0.109	0.1P9
10+	8.fP	0.6f	0.288	(0.2+2)	0.109	0.1P9
106	8.p6	0.6f	0.288	(0.2+1)	0.109	0.1P9
10f	8.8f	0.6P	0.F0f	(0.2f9)	0.11f	0.190
10P	8.92	0.6P	0.F0f	(0.2f8)	0.11f	0.190
108	9.00	0.6P	0.F0f	(0.2fP)	0.11f	0.190
109	9.08	0.fF	0.F+2	(0.2ff)	0.1f0	0.212
110	9.1P	0.fF	0.F+2	(0.2f6)	0.1f0	0.212
111	9.26	0.fF	0.F+2	(0.2f+)	0.1f0	0.212
112	9.FF	0.fP	0.Ff0	(0.2ff)	0.1fP	0.22F
11f	9.+2	0.fP	0.Ff0	(0.2f2)	0.1fP	0.22F
11+	9.60	0.fP	0.Ff0	(0.2f0)	0.1fP	0.22F
116	9.68	0.P0	0.FP8	(0.229)	0.1++	0.2F+
11f	9.fP	0.P0	0.FP8	(0.228)	0.1++	0.2F+
11P	9.p6	0.P0	0.FP8	(0.22P)	0.1++	0.2F+
118	9.8f	0.PF	0.F9f	(0.22f)	0.160	0.2+f
119	9.92	0.PF	0.F9f	(0.226)	0.160	0.2+f
120	10.00	0.PF	0.F9f	(0.22+)	0.160	0.2+f
121	10.08	0.60	0.2P0	(0.22f)	0.10f	0.1fP
122	10.1P	0.60	0.2P0	(0.222)	0.10f	0.1fP
12f	10.26	0.60	0.2P0	(0.221)	0.10f	0.1fP
12+	10.FF	0.60	0.2P0	(0.220)	0.10f	0.1fP
126	10.+2	0.60	0.2P0	(0.218)	0.10f	0.1fP
12f	10.60	0.60	0.2P0	(0.21P)	0.10f	0.1fP
12P	10.68	0.fP	0.Ff0	(0.21f)	0.1fP	0.22F
128	10.fP	0.fP	0.Ff0	(0.216)	0.1fP	0.22F
129	10.p6	0.fP	0.Ff0	(0.21+)	0.1fP	0.22F
1f0	10.8f	0.fP	0.Ff0	(0.21f)	0.1fP	0.22F
1f1	10.92	0.fP	0.Ff0	(0.212)	0.1fP	0.22F
1f2	11.00	0.fP	0.Ff0	(0.211)	0.1fP	0.22F
1fF	11.08	0.fF	0.F+2	(0.210)	0.1f0	0.212
1f+	11.1P	0.fF	0.F+2	(0.209)	0.1f0	0.212
1f6	11.26	0.fF	0.F+2	(0.208)	0.1f0	0.212
1ff	11.FF	0.fF	0.F+2	(0.20P)	0.1f0	0.212
1fP	11.+2	0.fF	0.F+2	(0.20f)	0.1f0	0.212
1f8	11.60	0.fF	0.F+2	(0.206)	0.1f0	0.212
1f9	11.68	0.6P	0.F0f	(0.20+)	0.11f	0.190
1+0	11.fP	0.6P	0.F0f	(0.20f)	0.11f	0.190
1+1	11.p6	0.6P	0.F0f	(0.202)	0.11f	0.190
1+2	11.8f	0.f0	0.F2+	(0.201)	0.12f	0.201
1+f	11.92	0.f0	0.F2+	(0.200)	0.12f	0.201
1++	12.00	0.f0	0.F2+	(0.199)	0.12f	0.201
1+6	12.08	0.8f	0.+60	(0.198)	0.1P1	0.2P9
1+f	12.1P	0.8f	0.+60	(0.19P)	0.1P1	0.2P9
1+P	12.26	0.8f	0.+60	(0.19f)	0.1P1	0.2P9
1+8	12.FF	0.8P	0.+f8	(0.196)	0.1P8	0.290
1+9	12.+2	0.8P	0.+f8	(0.19+)	0.1P8	0.290
160	12.60	0.8P	0.+f8	(0.19f)	0.1P8	0.290
161	12.68	0.9f	0.60+	(0.192)	0.192	0.F12
162	12.fP	0.9f	0.60+	0.191	(0.192)	0.F1f
16f	12.p6	0.9f	0.60+	0.190	(0.192)	0.F1+
16+	12.8f	0.9P	0.622	0.189	(0.198)	0.FFF
166	12.92	0.9P	0.622	0.188	(0.198)	0.FF+
16f	1f.00	0.9P	0.622	0.18P	(0.198)	0.FF6
16P	1f.08	1.1f	0.f12	0.18f	(0.2ff)	0.+2f
168	1f.1P	1.1f	0.f12	0.186	(0.2ff)	0.+2P
169	1f.26	1.1f	0.f12	0.18+	(0.2ff)	0.+28
1f0	1f.FF	1.1f	0.f12	0.18f	(0.2ff)	0.+29
1f1	1f.+2	1.1f	0.f12	0.182	(0.2ff)	0.+29

Pro 100yr24hr

Page 3 of 9

1f2	1F.60	1.1F	0.f12	0.182	(0.2FF)	0.+F0
1ff	1F.68	0.PP	0.+1+	(0.181)	0.16P	0.26P
1f+	1F.fP	0.PP	0.+1+	(0.180)	0.16P	0.26P
1f6	1F.p6	0.PP	0.+1+	(0.1P9)	0.16P	0.26P
1ff	1F.8F	0.PP	0.+1+	(0.1P8)	0.16P	0.26P
1fP	1F.92	0.PP	0.+1+	(0.1PP)	0.16P	0.26P
1f8	1+.00	0.PP	0.+1+	(0.1Pf)	0.16P	0.26P
1f9	1+.08	0.90	0.+8F	0.1P6	(0.186)	0.F11
1P0	1+.1P	0.90	0.+8F	0.1P+	(0.186)	0.F12
1P1	1+.26	0.90	0.+8F	0.1PF	(0.186)	0.F1F
1P2	1+.FF	0.8P	0.+f8	0.1PF	(0.1P8)	0.296
1PF	1+.+2	0.8P	0.+f8	0.1P2	(0.1P8)	0.29f
1P+	1+.60	0.8P	0.+f8	0.1P1	(0.1P8)	0.29P
1P6	1+.68	0.8P	0.+f8	0.1P0	(0.1P8)	0.298
1Pf	1+.fP	0.8P	0.+f8	0.1f9	(0.1P8)	0.299
1PP	1+.P6	0.8P	0.+f8	0.1f8	(0.1P8)	0.F00
1P8	1+.8F	0.8F	0.+60	0.1fP	(0.1P1)	0.28F
1P9	1+.92	0.8F	0.+60	0.1ff	(0.1P1)	0.28+
180	16.00	0.8F	0.+60	0.1ff	(0.1P1)	0.28+
181	16.08	0.80	0.+F2	(0.1f6)	0.1f+	0.2f8
182	16.1P	0.80	0.+F2	0.1f+	(0.1f+)	0.2f8
18F	16.26	0.80	0.+F2	0.1fF	(0.1f+)	0.2f9
18+	16.FF	0.PP	0.+1+	(0.1f2)	0.16P	0.26P
186	16.+2	0.PP	0.+1+	(0.1f1)	0.16P	0.26P
18f	16.60	0.PP	0.+1+	(0.1f1)	0.16P	0.26P
18P	16.68	0.fF	0.F+2	(0.1f0)	0.1F0	0.212
188	16.fP	0.fF	0.F+2	(0.169)	0.1F0	0.212
189	16.p6	0.fF	0.F+2	(0.168)	0.1F0	0.212
190	16.8F	0.fF	0.F+2	(0.16P)	0.1F0	0.212
191	16.92	0.fF	0.F+2	(0.16f)	0.1F0	0.212
192	1f.00	0.fF	0.F+2	(0.16f)	0.1F0	0.212
19F	1f.08	0.1F	0.0P2	(0.166)	0.02P	0.0+6
19+	1f.1P	0.1F	0.0P2	(0.16+)	0.02P	0.0+6
196	1f.26	0.1F	0.0P2	(0.16F)	0.02P	0.0+6
19f	1f.FF	0.1F	0.0P2	(0.16F)	0.02P	0.0+6
19P	1f.+2	0.1F	0.0P2	(0.162)	0.02P	0.0+6
198	1f.60	0.1F	0.0P2	(0.161)	0.02P	0.0+6
199	1f.68	0.10	0.06+	(0.160)	0.021	0.OFF
200	1f.fP	0.10	0.06+	(0.1+9)	0.021	0.OFF
201	1f.p6	0.10	0.06+	(0.1+9)	0.021	0.OFF
202	1f.8F	0.10	0.06+	(0.1+8)	0.021	0.OFF
20F	1f.92	0.10	0.06+	(0.1+P)	0.021	0.OFF
20+	1P.00	0.10	0.06+	(0.1+f)	0.021	0.OFF
206	1P.08	0.1P	0.090	(0.1+f)	0.0F+	0.06f
20f	1P.1P	0.1P	0.090	(0.1+6)	0.0F+	0.06f
20P	1P.26	0.1P	0.090	(0.1++)	0.0F+	0.06f
208	1P.FF	0.1P	0.090	(0.1+f)	0.0F+	0.06f
209	1P.+2	0.1P	0.090	(0.1+f)	0.0F+	0.06f
210	1P.60	0.1P	0.090	(0.1+2)	0.0F+	0.06f
211	1P.68	0.1P	0.090	(0.1+1)	0.0F+	0.06f
212	1P.fP	0.1P	0.090	(0.1+1)	0.0F+	0.06f
21F	1P.p6	0.1P	0.090	(0.1+0)	0.0F+	0.06f
21+	1P.8F	0.1F	0.0P2	(0.1F9)	0.02P	0.0+6
216	1P.92	0.1F	0.0P2	(0.1F9)	0.02P	0.0+6
21f	18.00	0.1F	0.0P2	(0.1F8)	0.02P	0.0+6
21P	18.08	0.1F	0.0P2	(0.1FP)	0.02P	0.0+6
218	18.1P	0.1F	0.0P2	(0.1FP)	0.02P	0.0+6
219	18.26	0.1F	0.0P2	(0.1FF)	0.02P	0.0+6
220	18.FF	0.1F	0.0P2	(0.1F6)	0.02P	0.0+6
221	18.+2	0.1F	0.0P2	(0.1F6)	0.02P	0.0+6
222	18.60	0.1F	0.0P2	(0.1F+)	0.02P	0.0+6
22F	18.68	0.10	0.06+	(0.1FF)	0.021	0.OFF
22+	18.fP	0.10	0.06+	(0.1FF)	0.021	0.OFF
226	18.p6	0.10	0.06+	(0.1F2)	0.021	0.OFF
22f	18.8F	0.0P	0.0Ff	(0.1F1)	0.01+	0.022
22P	18.92	0.0P	0.0Ff	(0.1F1)	0.01+	0.022
228	19.00	0.0P	0.0Ff	(0.1F0)	0.01+	0.022
229	19.08	0.10	0.06+	(0.129)	0.021	0.OFF
2F0	19.1P	0.10	0.06+	(0.129)	0.021	0.OFF
2F1	19.26	0.10	0.06+	(0.128)	0.021	0.OFF
2F2	19.FF	0.1F	0.0P2	(0.128)	0.02P	0.0+6
2FF	19.+2	0.1F	0.0P2	(0.12P)	0.02P	0.0+6
2F+	19.60	0.1F	0.0P2	(0.12f)	0.02P	0.0+6
2F6	19.68	0.10	0.06+	(0.12f)	0.021	0.OFF
2Ff	19.fP	0.10	0.06+	(0.126)	0.021	0.OFF
2FP	19.p6	0.10	0.06+	(0.126)	0.021	0.OFF
2F8	19.8F	0.0P	0.0Ff	(0.12+)	0.01+	0.022
2F9	19.92	0.0P	0.0Ff	(0.12+)	0.01+	0.022
2+0	20.00	0.0P	0.0Ff	(0.12F)	0.01+	0.022
2+1	20.08	0.10	0.06+	(0.12F)	0.021	0.OFF
2+2	20.1P	0.10	0.06+	(0.122)	0.021	0.OFF
2+F	20.26	0.10	0.06+	(0.121)	0.021	0.OFF
2++	20.FF	0.10	0.06+	(0.121)	0.021	0.OFF
2+6	20.+2	0.10	0.06+	(0.120)	0.021	0.OFF
2+f	20.60	0.10	0.06+	(0.120)	0.021	0.OFF
2+P	20.68	0.10	0.06+	(0.119)	0.021	0.OFF
2+8	20.fP	0.10	0.06+	(0.119)	0.021	0.OFF

Pro 100yr24hr

Page 4 of 9

[illegible]

*ibe(hRb)	voIube	AC.:t	Q(C:S)	0	2.6	6.0	P.6	10.0
0R 6	0.000P	0.09	Q					
0R10	0.0018	0.1P	Q					
0R16	0.00F1	0.18	Q					
0R20	0.00+P	0.2F	Q					
0R26	0.00ff	0.2P	VQ					
0RF0	0.0086	0.28	VQ					
0RF6	0.010+	0.28	VQ					
0R+0	0.012+	0.28	VQ					
0R+6	0.01+F	0.28	VQ					
0R60	0.01ff	0.FF	VQ					
0R66	0.0191	0.FP	VQ					
1R 0	0.021P	0.FP	VQ					
1R 6	0.02F9	0.FF	VQ					
1R10	0.0269	0.29	VQ					
1R16	0.02P9	0.28	VQ					
1R20	0.0298	0.28	VQ					
1R26	0.0F1P	0.28	VQ					
1RF0	0.0FFP	0.28	VQ					
1RF6	0.0F6f	0.28	VQ					
1R+0	0.0FPf	0.28	VQ					
1R+6	0.0F96	0.28	VQ					
1R60	0.0+18	0.FF	VQ					
1R66	0.0++F	0.FP	VQ					
2R 0	0.0+f9	0.FP	VQ					
2R 6	0.0+9+	0.FP	Q					
2R10	0.0620	0.FP	Q					

2R16	0.06+f	0.FP	Q				
2R20	0.06P2	0.FP	Q				
2R26	0.0698	0.FP	Q				
2RF0	0.0f2F	0.FP	Q				
2RF6	0.0f6F	0.+2	Q				
2R+0	0.0f8+	0.+f	Q				
2R+6	0.0P1f	0.+P	Q				
2R60	0.0P+9	0.+P	Q				
2R66	0.0P81	0.+P	Q				
FR 0	0.081F	0.+P	Q				
FR 6	0.08+6	0.+P	Q				
FR10	0.08P8	0.+P	Q				
FR16	0.0910	0.+P	Q				
FR20	0.09+2	0.+P	Q				
FR26	0.09P6	0.+P	Q				
FRF0	0.100P	0.+P	QV				
FRF6	0.10F9	0.+P	QV				
FR+0	0.10P1	0.+P	QV				
FR+6	0.110+	0.+P	QV				
FR60	0.11F9	0.62	Q				
FR66	0.11PP	0.66	Q				
+R 0	0.121f	0.6f	Q				
+R 6	0.1266	0.6f	Q				
+R10	0.129F	0.6f	Q				
+R16	0.1FF2	0.6f	Q				
+R20	0.1FP+	0.f1	Q				
+R26	0.1+19	0.f6	Q				
+RF0	0.1+f+	0.f6	Q				
+RF6	0.1609	0.ff	QV				
+R+0	0.166+	0.ff	QV				
+R+6	0.1699	0.ff	QV				
+R60	0.1f+8	0.P0	QV				
+R66	0.1f99	0.P+	QV				
GR 0	0.1P60	0.P6	QV				
GR 6	0.1P9f	0.f6	QV				
GR10	0.18F6	0.68	QV				
GR16	0.18P+	0.6P	QV				
GR20	0.191f	0.f1	QV				
GR26	0.19f1	0.f6	Q V				
GRF0	0.200F	0.f6	Q V				
GRF6	0.2066	0.P0	Q V				
GR+0	0.210f	0.P+	Q V				
GR+6	0.216P	0.P6	Q V				
GR60	0.2209	0.P6	Q V				
GR66	0.22f0	0.P6	Q V				
FR 0	0.2F12	0.P6	Q V				
FR 6	0.2FfP	0.80	QV				
FR10	0.2+2+	0.8+	QV				
FR16	0.2+82	0.8+	Q V				
FR20	0.26+1	0.8+	Q V				
FR26	0.2699	0.8+	Q V				
FRF0	0.2f6P	0.8+	Q V				
FRF6	0.2P18	0.89	Q V				
FR+0	0.2P82	0.9F	Q V				
FR+6	0.28+f	0.9+	Q V				
FR60	0.2911	0.9+	Q V				
FR66	0.29Pf	0.9+	Q V				
PR 0	0.F0+0	0.9+	Q V				
PR 6	0.F106	0.9+	Q V				
PR10	0.F1f9	0.9+	Q V				
PR16	0.F2F+	0.9+	Q V				
PR20	0.FF02	0.98	Q V				
PR26	0.FFP2	1.02	Q V				
PRF0	0.F++F	1.0F	Q V				
PRF6	0.F61P	1.08	Q V				
PR+0	0.F69+	1.12	Q V				
PR+6	0.Ffp1	1.12	Q V				
PR60	0.FP62	1.1P	Q V				
PR66	0.F8Ff	1.21	Q V				
8R 0	0.F919	1.22	Q V				
8R 6	0.+010	1.F1	Q V				
8R10	0.+106	1.F9	Q V				
8R16	0.+202	1.+0	Q V				
8R20	0.+299	1.+1	Q V				
8R26	0.+F9f	1.+1	Q V				
8RF0	0.++92	1.+1	Q V				
8RF6	0.+69F	1.+6	Q V				
8R+0	0.+f96	1.+9	Q V				
8R+6	0.+P98	1.60	Q V				
8R60	0.+906	1.66	Q V				
8R66	0.601+	1.68	Q V				
9R 0	0.612+	1.69	Q V				
9R 6	0.62+0	1.f9	Q V				
9R10	0.6Ff1	1.Pf	Q V				
9R16	0.6+8+	1.P8	Q V				
9R20	0.6f10	1.8F	Q V				
9R26	0.6PF8	1.8P	Q V				

9RF0	0.68fP	1.8P	Q	V		
9RF6	0.f000	1.92	Q	V		
9R+0	0.f1F6	1.9f	Q	V		
9R+6	0.f2P0	1.9P	Q	V		
9R60	0.f+09	2.02	Q	V		
9R66	0.f660	2.06	Q	V		
10R 0	0.fff92	2.0f	Q	V		
10R 6	0.f811	1.PF	Q	V		
10R10	0.f912	1.+P	Q	V		
10R16	0.P010	1.+2	Q	V		
10R20	0.P10P	1.+1	Q	V		
10R26	0.P20+	1.+1	Q	V		
10RF0	0.PF01	1.+1	Q	V		
10RF6	0.P+1+	1.f+	Q	V		
10R+0	0.P6+0	1.8F	Q	V		
10R+6	0.Pff8	1.8f	Q	V		
10R60	0.PP98	1.8P	Q	V		
10R66	0.P92P	1.8P	Q	V		
11R 0	0.806f	1.8P	Q	V		
11R 6	0.8182	1.8F	Q	V		
11R10	0.8F06	1.P9	Q	V		
11R16	0.8+28	1.P8	Q	V		
11R20	0.8660	1.P8	Q	V		
11R26	0.8fPF	1.P8	Q	V		
11RF0	0.8P9f	1.P8	Q	V		
11RF6	0.8912	1.f9	Q	V		
11R+0	0.902F	1.f1	Q	V		
11R+6	0.91FF	1.f0	Q	V		
11R60	0.92+f	1.f+	Q	V		
11R66	0.9Ff1	1.f8	Q	V		
12R 0	0.9+PP	1.f9	Q	V		
12R 6	0.9f1f	2.02	Q	V		
12R10	0.9PP+	2.28	Q	V		
12R16	0.99F+	2.FF	Q	V		
12R20	1.0099	2.F9	Q	V		
12R26	1.02ff	2.+F	Q	V		
12RF0	1.0+F+	2.++	Q	V		
12RF6	1.0f08	2.6F	Q	V		
12R+0	1.0P88	2.f1	Q	V		
12R+6	1.09f9	2.fF	Q	V		
12R60	1.116f	2.P2	Q	V		
12R66	1.1F+8	2.P9	Q	V		
1FR 0	1.16+1	2.80	Q	V		
1FR 6	1.1Pf1	F.20	Q	V		
1FR10	1.200F	F.61	Q	V		
1FR16	1.22+9	F.6P	Q	V		
1FR20	1.2+9f	F.69	Q	V		
1FR26	1.2P+6	F.f0	Q	V		
1FRF0	1.299F	F.f1	Q	V		
1FRF6	1.F191	2.88	Q	V		
1FR+0	1.FF+9	2.29	Q	V		
1FR+6	1.F600	2.19	Q	V		
1FR60	1.Ff+8	2.1f	Q	V		
1FR66	1.FP9f	2.1f	Q	V		
1+R 0	1.F9+6	2.1f	Q	V		
1+R 6	1.+109	2.F9	Q	V		
1+R10	1.+28f	2.6P	Q	V		
1+R16	1.++ff	2.f1	Q	V		
1+R20	1.+f+2	2.66	Q	V		
1+R26	1.+81+	2.60	Q	V		
1+RF0	1.+98f	2.60	Q	V		
1+RF6	1.6168	2.60	Q	V		
1+R+0	1.6FF1	2.61	Q	V		
1+R+6	1.660+	2.61	Q	V		
1+R60	1.6fP2	2.++	Q	V		
1+R66	1.68FP	2.F9	Q	V		
16R 0	1.f002	2.F9	Q	V		
16R 6	1.f1f1	2.F2	Q	V		
16R10	1.fF1P	2.2f	Q	V		
16R16	1.f+PF	2.2f	Q	V		
16R20	1.fff26	2.21	Q	V		
16R26	1.fPP+	2.1P	Q	V		
16RF0	1.f922	2.1f	Q	V		
16RF6	1.P068	1.9P	Q	V		
16R+0	1.P18F	1.82	Q	V		
16R+6	1.PF0f	1.P9	Q	V		
16R60	1.P+29	1.P8	Q	V		
16R66	1.P661	1.P8	Q	V		
1fR 0	1.PfP+	1.P8	Q	V		
1fR 6	1.PP+8	1.0P	Q	V		
1fR10	1.PP82	0.60	Q	V		
1fR16	1.P810	0.+0	Q	V		
1fR20	1.P8Ff	0.FP	Q	V		
1fR26	1.P8f2	0.FP	Q	V		
1fRF0	1.P888	0.FP	Q	V		
1fRF6	1.P910	0.FF	Q	V		
1fR+0	1.P9F0	0.29	Q	V		

1FR+6	1.P960	0.28	Q				V
1FR60	1.P9F9	0.28	Q				V
1FR66	1.P988	0.28	Q				V
1PR 0	1.8008	0.28	Q				V
1PR 6	1.80F+	0.F8	Q				V
1PR10	1.80F6	0.+6	Q				V
1PR16	1.809P	0.+F	Q				V
1PR20	1.8129	0.+P	Q				V
1PR26	1.81f1	0.+P	Q				V
1PRF0	1.819+	0.+P	Q				V
1PRF6	1.822f	0.+P	Q				V
1PR+0	1.8268	0.+P	Q				V
1PR+6	1.8290	0.+P	Q				V
1PR60	1.8F19	0.+2	Q				V
1PR66	1.8F+f	0.F8	Q				V
18R 0	1.8FP2	0.F8	Q				V
18R 6	1.8F98	0.FP	Q				V
18R10	1.8+2F	0.FP	Q				V
18R16	1.8++9	0.FP	Q				V
18R20	1.8+P6	0.FP	Q				V
18R26	1.8601	0.FP	Q				V
18RF0	1.862P	0.FP	Q				V
18RF6	1.86+9	0.FF	Q				V
18R+0	1.86f9	0.29	Q				V
18R+6	1.8689	0.28	Q				V
18R60	1.8f06	0.2F	Q				V
18R66	1.8f18	0.20	Q				V
19R 0	1.8fF1	0.19	Q				V
19R 6	1.8f+8	0.2F	Q				V
19R10	1.8fff	0.2P	Q				V
19R16	1.8f8f	0.28	Q				V
19R20	1.8P08	0.FF	Q				V
19R26	1.8PFF	0.FP	Q				V
19RF0	1.8P69	0.FP	Q				V
19RF6	1.8P82	0.FF	Q				V
19R+0	1.8802	0.29	Q				V
19R+6	1.8821	0.28	Q				V
19R60	1.88FP	0.2F	Q				V
19R66	1.8861	0.20	Q				V
20R 0	1.88f+	0.19	Q				V
20R 6	1.8880	0.2F	Q				V
20R10	1.8899	0.2P	Q				V
20R16	1.8918	0.28	Q				V
20R20	1.89FP	0.28	Q				V
20R26	1.896P	0.28	Q				V
20RF0	1.89Pf	0.28	Q				V
20RF6	1.8996	0.28	Q				V
20R+0	1.9016	0.28	Q				V
20R+6	1.90F+	0.28	Q				V
20R60	1.9060	0.2F	Q				V
20R66	1.90f+	0.20	Q				V
21R 0	1.90PP	0.19	Q				V
21R 6	1.909F	0.2F	Q				V
21R10	1.9112	0.2P	Q				V
21R16	1.91F1	0.28	Q				V
21R20	1.91+P	0.2F	Q				V
21R26	1.91f1	0.20	Q				V
21RF0	1.91P+	0.19	Q				V
21RF6	1.9190	0.2F	Q				V
21R+0	1.9209	0.2P	Q				V
21R+6	1.9228	0.28	Q				V
21R60	1.92++	0.2F	Q				V
21R66	1.926P	0.20	Q				V
22R 0	1.92P0	0.19	Q				V
22R 6	1.928P	0.2F	Q				V
22R10	1.9F06	0.2P	Q				V
22R16	1.9F26	0.28	Q				V
22R20	1.9F+1	0.2F	Q				V
22R26	1.9F6+	0.20	Q				V
22RF0	1.9FfP	0.19	Q				V
22RF6	1.9F80	0.19	Q				V
22R+0	1.9F9F	0.19	Q				V
22R+6	1.9+0f	0.19	Q				V
22R60	1.9+19	0.19	Q				V
22R66	1.9+F2	0.19	Q				V
2FR 0	1.9++6	0.19	Q				V
2FR 6	1.9+68	0.19	Q				V
2FR10	1.9+P1	0.19	Q				V
2FR16	1.9+8F	0.19	Q				V
2FR20	1.9+9f	0.19	Q				V
2FR26	1.9609	0.19	Q				V
2FRF0	1.9622	0.19	Q				V
2FRF6	1.96F6	0.19	Q				V
2FR+0	1.96+8	0.19	Q				V
2FR+6	1.96f1	0.19	Q				V
2FR60	1.96P+	0.19	Q				V
2FR66	1.968P	0.19	Q				V

2+R 0	1.9f00	0.19	Q				V
2+R 6	1.9f0f	0.09	Q				V
2+R10	1.9f0P	0.02	Q				V
2+R16	1.9f08	0.00	Q				V

Unit Hydrograph Analysis

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Study date 0F/01/22 :illex pro1212.out

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Riverside County Synthetic Unit Hydrology Method
RC:C & WCD Manual date - April 1978

Program License Serial Number 5006

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Drainage Area = 9.87(Ac.) = 0.015 S3. Mi.
Drainage Area for Depth-Area Areal Adjustment = 9.87(Ac.) = 0.015 S3. Mi.
Length along longest watercourse = 1180.00(:t.)
Length along longest watercourse measured to centroid = 590.00(:t.)
Length along longest watercourse = 0.22F Mi.
Length along longest watercourse measured to centroid = 0.112 Mi.
Difference in elevation = 18.60(:t.)
Slope along watercourse = 8F.2271 :t./Mi.
Average Mannings wNW = 0.015
Lag time = 0.0F8 Hr.
Lag time = 2.29 Min.
254 of lag time = 0.57 Min.
'04 of lag time = 0.92 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered %ase :loj = 0.00(C:S)

2 BEAR Area rainfall datax

Area(Ac.)Y1[	Rainfall(In)Y2[	weightingY1]2[
9.87	0.50	1.9F

100 BEAR Area rainfall datax

Area(Ac.)Y1[	Rainfall(In)Y2[	weightingY1]2[
9.87	1.20	11.8

S*TRM EVEN* (BEAR) = 2.00
Area Averaged 2-Bear Rainfall = 0.500(In)
Area Averaged 100-Bear Rainfall = 1.200(In)

Point rain (area averaged) = 0.500(In)
Areal adjustment factor = 99.99 4
Adjusted average point rain = 0.500(In)

Sub-Area Datax
Area(Ac.) Runoff Inde0 Impervious 4
9.870 56.00 0.650
*otal Area Entered = 9.87(Ac.)

RI	RI	Infil. Rate	Impervious	Adq. Infil. Rate	Area4	:
AMC2	AMC-1	(In/Hr)	(Dec.4)	(In/Hr)	(Dec.)	(In/Hr)
56.0	F6.0	0.706	0.650	0.29F	1.000	0.29F
					Sum (:)	= 0.29F

Area averaged mean soil loss (:)(In/Hr) = 0.29F
Minimum soil loss rate ((In/Hr)) = 0.1'6
(for 2' hour storm duration)
Soil loj loss rate (decimal) = 0.F80

Slope of intensity-duration curve for a 1 hour storm =0.5000

Unit Hydrograph
VALLEB S-Curve

Unit Hydrograph Data

Unit time period *ime 4 of lag Distribution Unit Hydrograph

Pro2 y1r2hr

Page 1 of 2

	(hrs)		Graph 4	(C:S)
1	0.08F	217.9F6	'6.FF7	'6.009
2	0.167	'F5.872	'2.1F5	'1.191
F	0.250	65F.809	8.112	0.807
'	0.FFF	871.7'5	F.'15	0.F'0
Sum = 100.000			Sum=	9.9'7

*he following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the ma0imum Effective Rain value

Unit	*ime (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Ma0 Loj	Effective (In/Hr)
1	0.08	'1.20	0.252	(0.29F)	0.096
2	0.17	'1.F0	0.258	(0.29F)	0.098
F	0.25	5.00	0.F00	(0.29F)	0.11'
'	0.FF	5.00	0.F00	(0.29F)	0.11'
5	0.'2	5.80	0.F'8	(0.29F)	0.1F2
6	0.50	6.50	0.F90	(0.29F)	0.1'8
7	0.58	7.'0	0.'''	(0.29F)	0.169
8	0.67	8.60	0.516	(0.29F)	0.196
9	0.75	12.F0	0.7F8	(0.29F)	0.280
10	0.8F	29.10	1.7'6	0.29F (0.66F)	1.'5F
11	0.92	6.80	0.'08	(0.29F)	0.155
12	1.00	5.00	0.F00	(0.29F)	0.11'

Sum = 100.0 (Loss Rate Not Used) Sum = '1.1
lood volume = Effective rainfall 0.F'(In)
times area 9.9(Ac.)/(In) = 0.F(Ac.:t)
*otal soil loss = 0.16(In)
*otal soil loss = 0.1F1(Ac.:t)
*otal rainfall = 0.50(In)
lood volume = 12211.7 Cubic :eet
*otal soil loss = 5700.7 Cubic :eet

Peak floj rate of this hydrograph = 8.970(C:S)

1 - H T U R S * T R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((C:S))

*ime(h+m)	Volume Ac.:t	Q(C:S)	0	2.5	5.0	7.5	10.0
0+ 5	0.0050	0.72	V Q				
0+10	0.01'6	1.F9	V V				
0+15	0.0259	1.65	V Q				
0+20	0.0F85	1.82	V Q				
0+25	0.0521	1.98	V Q				
0+F0	0.0675	2.2F	Q V				
0+F5	0.08'9	2.52	Q V				
0+'0	0.10'8	2.90	Q V				
0+'5	0.1F07	F.76	Q V				
0+50	0.1925	8.97			V		
0+55	0.2'57	7.7'			Q		
1+ 0	0.2681	F.25		Q			V
1+ 5	0.278F	1.'8	Q				V
1+10	0.2799	0.2'	Q				V
1+15	0.280F	0.06	Q				V

Unit Hydrograph Analysis

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Study date 0F/01/22 :illex pro12F2.out

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Riverside County Synthetic Unit Hydrology Method
RC:C & WCD Manual date - April 1978

Program License Serial Number 5006

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Drainage Area = 9.87(Ac.) = 0.015 S3. Mi.
Drainage Area for Depth-Area Areal Adjustment = 9.87(Ac.) = 0.015 S3. Mi.
Length along longest watercourse = 1180.00(:t.)
Length along longest watercourse measured to centroid = 590.00(:t.)
Length along longest watercourse = 0.22F Mi.
Length along longest watercourse measured to centroid = 0.112 Mi.
Difference in elevation = 18.60(:t.)
Slope along watercourse = 8F.2271 :t./Mi.
Average Mannings wNw = 0.015
Lag time = 0.0F8 Hr.
Lag time = 2.29 Min.
254 of lag time = 0.57 Min.
104 of lag time = 0.92 Min.
Unit time = 5.00 Min.
Duration of storm = F Hour(s)
User Entered %ase :loj = 0.00(C:S)

2 BEAR Area rainfall datax

Area(Ac.)Y1[	Rainfall(In)Y2[	weightingY1]2[
9.87	0.80	7.90

100 BEAR Area rainfall datax

Area(Ac.)Y1[	Rainfall(In)Y2[	weightingY1]2[
9.87	1.90	18.75

S*TRM EVEN* (BEAR) = 2.00
Area Averaged 2-Bear Rainfall = 0.800(In)
Area Averaged 100-Bear Rainfall = 1.900(In)

Point rain (area averaged) = 0.800(In)
Areal adjustment factor = 100.00 4
Adjusted average point rain = 0.800(In)

Sub-Area Datax
Area(Ac.) Runoff Inde0 Impervious 4
9.870 56.00 0.650
*otal Area Entered = 9.87(Ac.)

RI	RI	Infil. Rate	Impervious	Adq. Infil. Rate	Area4	:
AMC2	AMC-1	(In/Hr)	(Dec.4)	(In/Hr)	(Dec.)	(In/Hr)
56.0	F6.0	0.706	0.650	0.29F	1.000	0.29F
					Sum (:)	= 0.29F

Area averaged mean soil loss (:)(In/Hr) = 0.29F
Minimum soil loss rate ((In/Hr)) = 0.1'6
(for 2' hour storm duration)
Soil loj loss rate (decimal) = 0.F80

Unit Hydrograph VALLEB S-Curve

Unit Hydrograph Data

Unit time period	*ime 4 of lag	Distribution	Unit Hydrograph
(hrs)		Graph 4	(C:S)

1	0.08F	217.9F6	'6.FF7	'6.09
2	0.167	'F5.872	'2.1F5	'1.191
F	0.250	65F.809	8.112	0.807
'	0.FFF	871.7'5	F.'15	0.F'0
		Sum = 100.000	Sum=	9.9'7

*he folloing loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the ma0imum Effective Rain value

Unit	*ime (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Mao Loj	Effective (In/Hr)
1	0.08	1.F0	0.125	(0.29F)	0.0'7
2	0.17	1.F0	0.125	(0.29F)	0.0'7
F	0.25	1.10	0.106	(0.29F)	0.0'0
'	0.FF	1.50	0.1''	(0.29F)	0.055
5	0.'2	1.50	0.1''	(0.29F)	0.055
6	0.50	1.80	0.17F	(0.29F)	0.066
7	0.58	1.50	0.1''	(0.29F)	0.055
8	0.67	1.80	0.17F	(0.29F)	0.066
9	0.75	1.80	0.17F	(0.29F)	0.066
10	0.8F	1.50	0.1''	(0.29F)	0.055
11	0.92	1.60	0.15'	(0.29F)	0.058
12	1.00	1.80	0.17F	(0.29F)	0.066
1F	1.08	2.20	0.211	(0.29F)	0.080
1'	1.17	2.20	0.211	(0.29F)	0.080
15	1.25	2.20	0.211	(0.29F)	0.080
16	1.FF	2.00	0.192	(0.29F)	0.07F
17	1.'2	2.60	0.250	(0.29F)	0.095
18	1.50	2.70	0.259	(0.29F)	0.098
19	1.58	2.'0	0.2F0	(0.29F)	0.088
20	1.67	2.70	0.259	(0.29F)	0.098
21	1.75	F.F0	0.F17	(0.29F)	0.120
22	1.8F	F.10	0.298	(0.29F)	0.11F
2F	1.92	2.90	0.278	(0.29F)	0.106
2'	2.00	F.00	0.288	(0.29F)	0.109
25	2.08	F.10	0.298	(0.29F)	0.11F
26	2.17	' 20	0.'0F	(0.29F)	0.15F
27	2.25	5.00	0.'80	(0.29F)	0.182
28	2.FF	F.50	0.FF6	(0.29F)	0.128
29	2.'2	6.80	0.65F	(0.29F)	0.2'8
F0	2.50	7.F0	0.701	(0.29F)	0.266
F1	2.58	8.20	0.787	(0.29F)	0.299
F2	2.67	5.90	0.566	(0.29F)	0.215
FF	2.75	2.00	0.192	(0.29F)	0.07F
F'	2.8F	1.80	0.17F	(0.29F)	0.066
F5	2.92	1.80	0.17F	(0.29F)	0.066
F6	F.00	0.60	0.058	(0.29F)	0.022

Sum = 100.0 (Loss Rate Not Used) Sum = 6.0
:lood volume = Effective rainfall 0.50(In)
times area 9.9(Ac.)/(In)/(t.)[= 0.'(Ac.:t)
*otal soil loss = 0.F0(In)
*otal soil loss = 0.250(Ac.:t)
*otal rainfall = 0.80(In)
:lood volume = 17788.F Cubic :eet
*otal soil loss = 1087F.0 Cubic :eet

Peak floj rate of this hydrograph = '.98(C:S)

+++++ F - H T U R S * T R M +++++
R u n o f f H y d r o g r a p h
Hydrograph in 5 Minute intervals ((C:S))

*ime(h+m)	Volume Ac.:t	Q(C:S)	0	2.5	5.0	7.5	10.0
0+ 5	0.0025	0.F6	VQ				
0+10	0.0071	0.68	V Q				
0+15	0.0119	0.69	VQ				
0+20	0.0172	0.78	V Q				
0+25	0.02F2	0.87	VQ				
0+F0	0.0298	0.96	VQ				
0+F5	0.0F65	0.96	Q				
0+'0	0.0'F2	0.99	QV				
0+'5	0.0505	1.05	Q				
0+50	0.0572	0.98	Q V				
0+55	0.06F7	0.9'	Q V				
1+ 0	0.0706	1.00	Q V				
1+ 5	0.0786	1.16	Q V				
1+10	0.087F	1.27	Q V				
1+15	0.0962	1.F0	Q V				
1+20	0.10'8	1.25	Q V				
1+25	0.11'2	1.F6	Q V				

1+F0	0.12'8	1.5F					
1+F5	0.1F51	1.50	Q	Q	V		
1+'0	0.1'56	1.52	Q	Q	V		
1+'5	0.1576	1.75	Q	Q	V		
1+50	0.170'	1.85	Q	Q	V		
1+55	0.1827	1.78	Q	Q	V		
2+ 0	0.19'8	1.76	Q	Q	V		
2+ 5	0.2072	1.80	Q	Q	V		
2+10	0.2219	2.1F	Q	Q	V		
2+15	0.2'00	2.6F	Q	Q	V		
2+20	0.2570	2.'7	Q	Q	V		
2+25	0.2781	F.07	Q	Q	V		
2+F0	0.F055	F.97	Q	Q	V		
2+F5	0.FF6'	' .50	Q	Q	V		
2+'0	0.F652	' .18	Q	Q	V		
2+'5	0.F829	2.57	Q	Q	V		
2+50	0.F929	1.''	Q	Q	V		
2+55	0.'008	1.16	Q	Q	V		
F+ 0	0.'060	0.7'	Q	Q	V		
F+ 5	0.'078	0.27	Q	Q	V		
F+10	0.'08F	0.07	Q	Q	V		
F+15	0.'08'	0.01	Q	Q	V		

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Study date 0F/01/22 :ilex pro12+2.out

viMerside County Synthetic Unit Hydrology &ethod
vC:C W 7CD &annual date - April 19P8

English (in-15) Input Units Used
English vainfall Data (Inches) Input Values Used
English Units used in output forbat

```

Drainage Area = 9.8P(Ac.) = 0.016 S3. &i.
Drainage Area for Depth-Area Area Adjstbent = 9.8P(Ac.) = 0.016 S3. &i.
Length along longest jatercourse = 1180.00(:t.)
Length along longest jatercourse beasured to centroid = 690.00(:t.)
Length along longest jatercourse = 0.22F &i.
Length along longest jatercourse beasured to centroid = 0.112 &i.
Difference in elevation = 18.+0(:t.)
Slope along jatercourse = 8F.22P1 :t./&i.
AVERAGE &anningws wNW = 0.016
Lag time = 0.0F8 Hr.
Lag time = 2.29 &i.
264 of lag time = 0.6P &i.
'04 of lag time = 0.92 &i.
Unit time = 6.00 &i.
Duration of storb = + Hour(s)
User Entered %ase :loj = 0.00(C:S)

```

Area(Ac.)Y1[	vainfall(In)Y2[	7eightingY1]2[
9.8P	1.20	11.8'

Area(Ac.)Y1[	vainfall(In)Y2[	7eightingY1]2[
9.8P	2.60	2'.+P

S*TV& EVEN* (BEAV) = 2.00
 Area AMerged 2-Bear vainfall = 1.200(In)
 Area AMerged 100-Bear vainfall = 2.600(In)

```

point rain (area aMerged) = 1.200(In)
AreaI adjustbent factor = 100.00 4
Adjusted aMerged point rain = 1.200(In)

```

```

Su5-Area Datax
Area(Ac.)          vunoff Inde0   IbperMious 4
    9.8P0              6+.00         0.+60
*otal Area Entered =      9.8P(Ac.)

```

VI	vI	Infil. vate	Iberpmious	Adq. Infil. vate	Area4	:
A&C2	A&C-1	(In/Hr)	(Dec.4)	(In/Hr)	(Dec.)	(In/Hr)
6+0	F+0	0.0P+	0.+60	0.29F	1.000	0.29F
					Sub (:)	=
Area aMERaged bean soil loss (:)					(In/Hr) =	0.29F
&inibub soil loss rate ((In/Hr))					=	0.1'+
(for 2' hour storb duration)						
Soil loj loss rate (decibal)					=	0.F80

Unit Hydrograph
VALLEB S-CurMe

Unit Hydrograph Data

Unit time period (hrs)	*ibe 4 of lag	Distribution Graph 4	Unit Hydrograph (C:S)

1	0.08F	21P.9F+	'+.FFP	'+.09
2	0.1+P	'F6.8P2	'2.1F6	'0.191
F	0.260	+6F.809	8.112	0.80P
'	0.FFF	8P1.P'6	F.'16	0.F'0
		Sub = 100.000	Sub=	9.9'P

*he folloing loss rate calculations reflect use of the binibub calculated loss rate su5tracted frob the Storb vain to produce the ba0ibub EffectiMe vain Malue

Unit	*ibe (Hr.)	mattern mercent	Storb vain (In/Hr)	Loss rate(In./Hr) &a0 Loj	EffectiMe (In/Hr)
1	0.08	0.60	0.0P2	(0.29F)	0.02P
2	0.1P	0.+0	0.08+	(0.29F)	0.0FF
F	0.26	0.+0	0.08+	(0.29F)	0.0FF
'	0.FF	0.+0	0.08+	(0.29F)	0.0FF
6	0.'2	0.+0	0.08+	(0.29F)	0.0FF
+	0.60	0.P0	0.101	(0.29F)	0.0F8
P	0.68	0.P0	0.101	(0.29F)	0.0F8
8	0.+P	0.P0	0.101	(0.29F)	0.0F8
9	0.P6	0.P0	0.101	(0.29F)	0.0F8
10	0.8F	0.P0	0.101	(0.29F)	0.0F8
11	0.92	0.P0	0.101	(0.29F)	0.0F8
12	1.00	0.80	0.116	(0.29F)	0.0''
1F	1.08	0.80	0.116	(0.29F)	0.0''
1'	1.1P	0.80	0.116	(0.29F)	0.0''
16	1.26	0.80	0.116	(0.29F)	0.0''
1+	1.FF	0.80	0.116	(0.29F)	0.0''
1P	1.'2	0.80	0.116	(0.29F)	0.0''
18	1.60	0.80	0.116	(0.29F)	0.0''
19	1.68	0.80	0.116	(0.29F)	0.0''
20	1.+P	0.80	0.116	(0.29F)	0.0''
21	1.P6	0.80	0.116	(0.29F)	0.0''
22	1.8F	0.80	0.116	(0.29F)	0.0''
2F	1.92	0.80	0.116	(0.29F)	0.0''
2'	2.00	0.90	0.1F0	(0.29F)	0.0'9
26	2.08	0.80	0.116	(0.29F)	0.0''
2+	2.1P	0.90	0.1F0	(0.29F)	0.0'9
2P	2.26	0.90	0.1F0	(0.29F)	0.0'9
28	2.FF	0.90	0.1F0	(0.29F)	0.0'9
29	2.'2	0.90	0.1F0	(0.29F)	0.0'9
F0	2.60	0.90	0.1F0	(0.29F)	0.0'9
F1	2.68	0.90	0.1F0	(0.29F)	0.0'9
F2	2.+P	0.90	0.1F0	(0.29F)	0.0'9
FF	2.P6	1.00	0.1''	(0.29F)	0.066
F'	2.8F	1.00	0.1''	(0.29F)	0.066
F6	2.92	1.00	0.1''	(0.29F)	0.066
F+	F.00	1.00	0.1''	(0.29F)	0.066
FP	F.08	1.00	0.1''	(0.29F)	0.066
F8	F.1P	1.10	0.168	(0.29F)	0.0+0
F9	F.26	1.10	0.168	(0.29F)	0.0+0
'0	F.FF	1.10	0.168	(0.29F)	0.0+0
'1	F.'2	1.20	0.1PF	(0.29F)	0.0++
'2	F.60	1.F0	0.18P	(0.29F)	0.0P1
'F	F.68	1.'0	0.202	(0.29F)	0.0PP
''	F.+P	1.'0	0.202	(0.29F)	0.0PP
'6	F.P6	1.60	0.21+	(0.29F)	0.082
'+	F.8F	1.60	0.21+	(0.29F)	0.082
'P	F.92	1.+0	0.2F0	(0.29F)	0.088
'8	'.'00	1.+0	0.2F0	(0.29F)	0.088
'9	'.'08	1.P0	0.2'6	(0.29F)	0.09F
60	'.'1P	1.80	0.269	(0.29F)	0.098
61	'.'26	1.90	0.2P'	(0.29F)	0.10'
62	'.'FF	2.00	0.288	(0.29F)	0.109
6F	'.'2	2.10	0.F02	(0.29F)	0.116
6'	'.'60	2.10	0.F02	(0.29F)	0.116
66	'.'68	2.20	0.F1P	(0.29F)	0.120
6+	'.'+P	2.F0	0.FF1	(0.29F)	0.12+
6P	'.'P6	2.'0	0.F'+	(0.29F)	0.1F1
68	'.'8F	2.'0	0.F'+	(0.29F)	0.1F1
69	'.'92	2.60	0.F+0	(0.29F)	0.1FP
+0	6.00	2.+0	0.FP'	(0.29F)	0.1'2
+1	6.08	F.10	0.''+	(0.29F)	0.1P0
+2	6.1P	F.+0	0.618	(0.29F)	0.19P
+F	6.26	F.90	0.6+2	(0.29F)	0.21F
+	6.FF	'.'20	0.+06	(0.29F)	0.2F0
+6	6.'2	'.'P0	0.+PP	(0.29F)	0.26P
++	6.60	6.+0	0.80+	(0.29F)	0.26P
+P	6.68	1.90	0.2P'	(0.29F)	0.10'
+8	6.+P	0.90	0.1F0	(0.29F)	0.0'9
+9	6.P6	0.+0	0.08+	(0.29F)	0.0FF
P0	6.8F	0.60	0.0P2	(0.29F)	0.02P
P1	6.92	0.F0	0.0'F	(0.29F)	0.01+
P2	+0.00	0.20	0.029	(0.29F)	0.011
(Loss vate Not Used)					
Sub =	100.0			Sub =	8.9

Pro1 2Yr6hr

Page 2 of 4

[illegible]Pro1 2yr6hr

6R'6	0.+0FP	0.90	Q			V
6R60	0.+0P6	0.66	Q			V
6R66	0.+102	0.F8	Q			V
+R 0	0.+119	0.26	Q			V
+R 6	0.+12+	0.11	Q			V
+R10	0.+128	0.02	Q			V
+R16	0.+128	0.01	Q			V

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Study date 0F/01/22 :ilex pro122+2.out

viMerside County Synthetic Unit Hydrology &ethod
vC:C W 7CD &annual date - April 19P8

```
English (in-15) Input Units Used
English vain=all Data (Inches) Input values Used
English Units used in output =orbat
```

```

Drainage Area 3      9.8P(Ac.) 3      0.016 Sq. &i.
Drainage Area =or Depth-Area Area Adjustbent 3      9.8P(Ac.) 3      0.016 Sq. &i.
Length along longest watercourse 3      1180.00(:t.)
Length along longest watercourse beasured to centroid 3      690.00(:t.)
Length along longest watercourse 3      0.22F &i.
Length along longest watercourse beasured to centroid 3      0.112 &i.
Di=fference in elevation 3      18.f0(:t.)
Slope along watercourse 3      8F.22P1 :t./&i.
AVERAGE &anning4s 4N4 3 0.016
Lag time 3      0.0F8 Hr.
Lag time 3      2.29 &in.
26' o= lag time 3      0.6P &in.
+0' o= lag time 3      0.92 &in.
Unit time 3      6.00 &in.
Duration o= storb 3 2+ Hour(s)
User Entered %ase :low 3      0.00(C:S)

```

Area(Ac.)Y1[9.8P	vain=all(In)Y2[1.80	7eightingY1]2[1P.PP

Area(Ac.)Y1[9.8P	vain=all(In)Y2[+.60	7eightingY1]2[++.+1

S*TV& EVEN* (BEAV) 3 2.00
Area AMerged 2-Bear vain=all 3 1.800(In)
Area AMerged 100-Bear vain=all 3 +.600(In)

```
moint rain (area aMeraged) 3    1.800(In)
AreaI adjustbent =actor 3    100.00 '
Adjusted aMerage point rain 3    1.800(In)
```

```

Su5-Area Datax
Area(Ac.)          vuno== Inde0   IbperMious '
    9.8P0          6f.00          0.f60
*otal Area Entered 3      9.8P(Ac.)

```

VI	VI	In=il. vate	IbperMious	Adj. In=il. vate	Area'	:
A&C2	A&C-1	(In/Hr)	(Dec.')	(In/Hr)	(Dec.)	(In/Hr)
6f.0	Ff.0	0.P0f	0.f60	0.29f	1.000	0.29f
					Sub (:)	3 0.29f

Area aMerged bean soil loss (:) (In/Hr) 3 0.29F
&inibub soil loss rate ((In/Hr)) 3 0.1+f
(=or 2+ hour storb duration)
Soil low loss rate (decibal) 3 0.F80

Unit Hydrograph
VALLEB S-CurMe

Unit Hydrograph Data

Unit time period (hrs)	Time of lag	Distribution Graph	Unit Hydrograph (C:S)

1	0.08F	21P.9Ff	+f.FFP	+.f09
2	0.1fP	+F6.8P2	+2.1fF6	+.191
F	0.260	f6F.809	8.112	0.80P
+	0.FFF	8P1.P+6	F.+16	0.F+0
		Sub 3	100.000	Sub3
				9.9+P

*he =ollowing loss rate calculations re=lect use o= the binibub calculated loss rate su5tracted =rob the Storb vain to produce the ba0ibub E==ectiMe vain Malue

Unit	*ibe (Hr.)	mattern mercent	Storb vain (In/Hr)	Loss rate(In./Hr) &a0 Low	E==ectiMe (In/Hr)
1	0.08	0.0P	0.01+	(0.619)	0.006
2	0.1P	0.0P	0.01+	(0.61P)	0.006
F	0.26	0.0P	0.01+	(0.616)	0.006
+	0.FF	0.10	0.022	(0.61F)	0.008
6	0.+2	0.10	0.022	(0.611)	0.008
f	0.60	0.10	0.022	(0.609)	0.008
P	0.68	0.10	0.022	(0.60P)	0.008
8	0.fP	0.10	0.022	(0.606)	0.008
9	0.P6	0.10	0.022	(0.60F)	0.008
10	0.8F	0.1F	0.029	(0.601)	0.011
11	0.92	0.1F	0.029	(0.+99)	0.011
12	1.00	0.1F	0.029	(0.+98)	0.011
1F	1.08	0.10	0.022	(0.+9f)	0.008
1+	1.1P	0.10	0.022	(0.+9+)	0.008
16	1.26	0.10	0.022	(0.+92)	0.008
1f	1.FF	0.10	0.022	(0.+90)	0.008
1P	1.+2	0.10	0.022	(0.+88)	0.008
18	1.60	0.10	0.022	(0.+8f)	0.008
19	1.68	0.10	0.022	(0.+8+)	0.008
20	1.fP	0.10	0.022	(0.+82)	0.008
21	1.P6	0.10	0.022	(0.+80)	0.008
22	1.8F	0.1F	0.029	(0.+P8)	0.011
2F	1.92	0.1F	0.029	(0.+Pf)	0.011
2+	2.00	0.1F	0.029	(0.+P+)	0.011
26	2.08	0.1F	0.029	(0.+P2)	0.011
2f	2.1P	0.1F	0.029	(0.+P0)	0.011
2P	2.26	0.1F	0.029	(0.+f8)	0.011
28	2.FF	0.1F	0.029	(0.+fP)	0.011
29	2.+2	0.1F	0.029	(0.+f6)	0.011
F0	2.60	0.1F	0.029	(0.+fF)	0.011
F1	2.68	0.1P	0.0Ff	(0.+f1)	0.01+
F2	2.fP	0.1P	0.0Ff	(0.+69)	0.01+
FF	2.P6	0.1P	0.0Ff	(0.+6P)	0.01+
F+	2.8F	0.1P	0.0Ff	(0.+66)	0.01+
F6	2.92	0.1P	0.0Ff	(0.+6f)	0.01+
Ff	F.00	0.1P	0.0Ff	(0.+61)	0.01+
FP	F.08	0.1P	0.0Ff	(0.+60)	0.01+
F8	F.1P	0.1P	0.0Ff	(0.++8)	0.01+
F9	F.26	0.1P	0.0Ff	(0.++f)	0.01+
+0	F.FF	0.1P	0.0Ff	(0.+++)	0.01+
+1	F.+2	0.1P	0.0Ff	(0.++2)	0.01+
+2	F.60	0.1P	0.0Ff	(0.++0)	0.01+
+F	F.68	0.1P	0.0Ff	(0.+f8)	0.01+
++	F.fP	0.1P	0.0Ff	(0.+fP)	0.01+
+6	F.P6	0.1P	0.0Ff	(0.+f6)	0.01+
+f	F.8F	0.20	0.0+f	(0.+fF)	0.01f
+P	F.92	0.20	0.0+f	(0.+f1)	0.01f
+8	+.00	0.20	0.0+f	(0.+29)	0.01f
+9	+.08	0.20	0.0+f	(0.+2P)	0.01f
60	+.1P	0.20	0.0+f	(0.+2f)	0.01f
61	+.26	0.20	0.0+f	(0.+2+)	0.01f
62	+.FF	0.2F	0.060	(0.+22)	0.019
6F	+.+2	0.2F	0.060	(0.+20)	0.019
6+	+.60	0.2F	0.060	(0.+18)	0.019
66	+.68	0.2F	0.060	(0.+1P)	0.019
6f	+.fP	0.2F	0.060	(0.+16)	0.019
6P	+.P6	0.2F	0.060	(0.+1f)	0.019
68	+.8F	0.2P	0.068	(0.+11)	0.022
69	+.92	0.2P	0.068	(0.+09)	0.022
f0	6.00	0.2P	0.068	(0.+08)	0.022
f1	6.08	0.20	0.0+f	(0.+0f)	0.01f
f2	6.1P	0.20	0.0+f	(0.+0+)	0.01f
ff	6.26	0.20	0.0+f	(0.+02)	0.01f
f+	6.FF	0.2F	0.060	(0.+01)	0.019
f6	6.+2	0.2F	0.060	(0.F99)	0.019
ff	6.60	0.2F	0.060	(0.F9P)	0.019
fP	6.68	0.2P	0.068	(0.F96)	0.022
f8	6.fP	0.2P	0.068	(0.F9+)	0.022
f9	6.P6	0.2P	0.068	(0.F92)	0.022
P0	6.8F	0.2P	0.068	(0.F90)	0.022
P1	6.92	0.2P	0.068	(0.F88)	0.022
P2	f.00	0.2P	0.068	(0.F8P)	0.022
PF	f.08	0.F0	0.0f6	(0.F86)	0.026
P+	f.1P	0.F0	0.0f6	(0.F8F)	0.026

P6	f.26	0.F0	0.0f6	(0.F82)	0.026	0.0+0
Pf	f.FF	0.F0	0.0f6	(0.F80)	0.026	0.0+0
PP	f.+2	0.F0	0.0f6	(0.FP8)	0.026	0.0+0
P8	f.60	0.F0	0.0f6	(0.FPP)	0.026	0.0+0
P9	f.68	0.FF	0.0P2	(0.FP6)	0.02P	0.0+6
80	f.fP	0.FF	0.0P2	(0.FPF)	0.02P	0.0+6
81	f.p6	0.FF	0.0P2	(0.FP1)	0.02P	0.0+6
82	f.8F	0.FF	0.0P2	(0.FP0)	0.02P	0.0+6
8F	f.92	0.FF	0.0P2	(0.Ff8)	0.02P	0.0+6
8+	P.00	0.FF	0.0P2	(0.Fff)	0.02P	0.0+6
86	P.08	0.FF	0.0P2	(0.Ff6)	0.02P	0.0+6
8f	P.1P	0.FF	0.0P2	(0.Fff)	0.02P	0.0+6
8P	P.26	0.FF	0.0P2	(0.Ff1)	0.02P	0.0+6
88	P.FF	0.FP	0.0P9	(0.Ff0)	0.0F0	0.0+9
89	P.+2	0.FP	0.0P9	(0.F68)	0.0F0	0.0+9
90	P.60	0.FP	0.0P9	(0.F6f)	0.0F0	0.0+9
91	P.68	0.+0	0.08f	(0.F66)	0.0FF	0.06+
92	P.fP	0.+0	0.08f	(0.F6f)	0.0FF	0.06+
9F	P.p6	0.+0	0.08f	(0.F62)	0.0FF	0.06+
9+	P.8F	0.+F	0.09+	(0.F60)	0.0Ff	0.068
96	P.92	0.+F	0.09+	(0.F+8)	0.0Ff	0.068
9f	8.00	0.+F	0.09+	(0.F+P)	0.0Ff	0.068
9P	8.08	0.60	0.108	(0.F+6)	0.0+1	0.0fP
98	8.1P	0.60	0.108	(0.F++)	0.0+1	0.0fP
99	8.26	0.60	0.108	(0.F+2)	0.0+1	0.0fP
100	8.FF	0.60	0.108	(0.F+0)	0.0+1	0.0fP
101	8.+2	0.60	0.108	(0.FF9)	0.0+1	0.0fP
102	8.60	0.60	0.108	(0.FFP)	0.0+1	0.0fP
10F	8.68	0.6F	0.116	(0.FFF)	0.0++	0.0P1
10+	8.fP	0.6F	0.116	(0.FF+)	0.0++	0.0P1
106	8.p6	0.6F	0.116	(0.FF2)	0.0++	0.0P1
10f	8.8F	0.6P	0.122	(0.FF1)	0.0+P	0.0Pf
10P	8.92	0.6P	0.122	(0.F29)	0.0+P	0.0Pf
108	9.00	0.6P	0.122	(0.F28)	0.0+P	0.0Pf
109	9.08	0.fF	0.1FP	(0.F2f)	0.062	0.086
110	9.1P	0.fF	0.1FP	(0.F26)	0.062	0.086
111	9.26	0.fF	0.1FP	(0.F2f)	0.062	0.086
112	9.FF	0.fP	0.1++	(0.F22)	0.066	0.089
11F	9.+2	0.fP	0.1++	(0.F20)	0.066	0.089
11+	9.60	0.fP	0.1++	(0.F18)	0.066	0.089
116	9.68	0.P0	0.161	(0.F1P)	0.06P	0.09+
11f	9.fP	0.P0	0.161	(0.F16)	0.06P	0.09+
11P	9.p6	0.P0	0.161	(0.F1+)	0.06P	0.09+
118	9.8F	0.PF	0.168	(0.F12)	0.0F0	0.098
119	9.92	0.PF	0.168	(0.F11)	0.0F0	0.098
120	10.00	0.PF	0.168	(0.F09)	0.0F0	0.098
121	10.08	0.60	0.108	(0.F08)	0.0+1	0.0fP
122	10.1P	0.60	0.108	(0.F0f)	0.0+1	0.0fP
12F	10.26	0.60	0.108	(0.F06)	0.0+1	0.0fP
12+	10.FF	0.60	0.108	(0.F0f)	0.0+1	0.0fP
126	10.+2	0.60	0.108	(0.F02)	0.0+1	0.0fP
12f	10.60	0.60	0.108	(0.F00)	0.0+1	0.0fP
12P	10.68	0.fP	0.1++	(0.299)	0.066	0.089
128	10.fP	0.fP	0.1++	(0.298)	0.066	0.089
129	10.p6	0.fP	0.1++	(0.29f)	0.066	0.089
1F0	10.8F	0.fP	0.1++	(0.296)	0.066	0.089
1F1	10.92	0.fP	0.1++	(0.29f)	0.066	0.089
1F2	11.00	0.fP	0.1++	(0.292)	0.066	0.089
1FF	11.08	0.fF	0.1FP	(0.290)	0.062	0.086
1F+	11.1P	0.fF	0.1FP	(0.289)	0.062	0.086
1F6	11.26	0.fF	0.1FP	(0.28P)	0.062	0.086
1Ff	11.FF	0.fF	0.1FP	(0.28f)	0.062	0.086
1FP	11.+2	0.fF	0.1FP	(0.286)	0.062	0.086
1F8	11.60	0.fF	0.1FP	(0.28f)	0.062	0.086
1F9	11.68	0.6P	0.122	(0.282)	0.0+P	0.0Pf
1+0	11.fP	0.6P	0.122	(0.280)	0.0+P	0.0Pf
1+1	11.p6	0.6P	0.122	(0.2P9)	0.0+P	0.0Pf
1+2	11.8F	0.f0	0.1F0	(0.2P8)	0.0+9	0.080
1+f	11.92	0.f0	0.1F0	(0.2Pf)	0.0+9	0.080
1++	12.00	0.f0	0.1F0	(0.2P6)	0.0+9	0.080
1+6	12.08	0.8F	0.180	(0.2Pf)	0.0f8	0.112
1+f	12.1P	0.8F	0.180	(0.2P2)	0.0f8	0.112
1+P	12.26	0.8F	0.180	(0.2P1)	0.0f8	0.112
1+8	12.FF	0.8P	0.18P	(0.2f9)	0.0P1	0.11f
1+9	12.+2	0.8P	0.18P	(0.2f8)	0.0P1	0.11f
160	12.60	0.8P	0.18P	(0.2fp)	0.0P1	0.11f
161	12.68	0.9F	0.202	(0.2f6)	0.0PP	0.126
162	12.fP	0.9F	0.202	(0.2f+)	0.0PP	0.126
16F	12.p6	0.9F	0.202	(0.2ff)	0.0PP	0.126
16+	12.8F	0.9P	0.209	(0.2f1)	0.0P9	0.129
166	12.92	0.9P	0.209	(0.2f0)	0.0P9	0.129
16f	1F.00	0.9P	0.209	(0.269)	0.0P9	0.129
16P	1F.08	1.1F	0.2+6	(0.26P)	0.09F	0.162
168	1F.1P	1.1F	0.2+6	(0.26f)	0.09F	0.162
169	1F.26	1.1F	0.2+6	(0.266)	0.09F	0.162
1f0	1F.FF	1.1F	0.2+6	(0.26+)	0.09F	0.162
1f1	1F.+2	1.1F	0.2+6	(0.262)	0.09F	0.162

Pro1 2yr24hr

Page 3 of 9

1f2	1F.60	1.1F	0.2+6	(0.261)	0.09F	0.162
1ff	1F.68	0. PP	0.1ff	(0.260)	0.0ff	0.10F
1f+	1F.fP	0. PP	0.1ff	(0.2+8)	0.0ff	0.10F
1f6	1F.P6	0. PP	0.1ff	(0.2+P)	0.0ff	0.10F
1ff	1F.8F	0. PP	0.1ff	(0.2+f)	0.0ff	0.10F
1fP	1F.92	0. PP	0.1ff	(0.2+6)	0.0ff	0.10F
1f8	1+.00	0. PP	0.1ff	(0.2+f)	0.0ff	0.10F
1f9	1+.08	0.90	0.19+	(0.2+2)	0.0P+	0.121
1P0	1+.1P	0.90	0.19+	(0.2+1)	0.0P+	0.121
1P1	1+.26	0.90	0.19+	(0.2+0)	0.0P+	0.121
1P2	1+.FF	0.8P	0.18P	(0.2F8)	0.0P1	0.11f
1PF	1+.+2	0.8P	0.18P	(0.2FP)	0.0P1	0.11f
1P+	1+.60	0.8P	0.18P	(0.2Ff)	0.0P1	0.11f
1P6	1+.68	0.8P	0.18P	(0.2F6)	0.0P1	0.11f
1Pf	1+.fP	0.8P	0.18P	(0.2F+)	0.0P1	0.11f
1PP	1+.P6	0.8P	0.18P	(0.2F2)	0.0P1	0.11f
1P8	1+.8F	0.8F	0.180	(0.2F1)	0.0f8	0.112
1P9	1+.92	0.8F	0.180	(0.2F0)	0.0f8	0.112
180	16.00	0.8F	0.180	(0.229)	0.0f8	0.112
181	16.08	0.80	0.1PF	(0.228)	0.0ff	0.10P
182	16.1P	0.80	0.1PF	(0.22f)	0.0ff	0.10P
18F	16.26	0.80	0.1PF	(0.226)	0.0ff	0.10P
18+	16.FF	0. PP	0.1ff	(0.22+)	0.0ff	0.10F
186	16.+2	0. PP	0.1ff	(0.22f)	0.0ff	0.10F
18f	16.60	0. PP	0.1ff	(0.222)	0.0ff	0.10F
18P	16.68	0. ff	0.1FP	(0.221)	0.062	0.086
188	16.fP	0. ff	0.1FP	(0.220)	0.062	0.086
189	16.P6	0. ff	0.1FP	(0.218)	0.062	0.086
190	16.8F	0. ff	0.1FP	(0.21P)	0.062	0.086
191	16.92	0. ff	0.1FP	(0.21f)	0.062	0.086
192	1f.00	0. ff	0.1FP	(0.216)	0.062	0.086
19F	1f.08	0.1F	0.029	(0.21+)	0.011	0.018
19+	1f.1P	0.1F	0.029	(0.21F)	0.011	0.018
196	1f.26	0.1F	0.029	(0.212)	0.011	0.018
19f	1f.FF	0.1F	0.029	(0.211)	0.011	0.018
19P	1f.+2	0.1F	0.029	(0.210)	0.011	0.018
198	1f.60	0.1F	0.029	(0.209)	0.011	0.018
199	1f.68	0.10	0.022	(0.208)	0.008	0.01F
200	1f.fP	0.10	0.022	(0.20P)	0.008	0.01F
201	1f.P6	0.10	0.022	(0.206)	0.008	0.01F
202	1f.8F	0.10	0.022	(0.20+)	0.008	0.01F
20F	1f.92	0.10	0.022	(0.20f)	0.008	0.01F
20+	1P.00	0.10	0.022	(0.202)	0.008	0.01F
206	1P.08	0.1P	0.0ff	(0.201)	0.01+	0.022
20f	1P.1P	0.1P	0.0ff	(0.200)	0.01+	0.022
20P	1P.26	0.1P	0.0ff	(0.199)	0.01+	0.022
208	1P.FF	0.1P	0.0ff	(0.198)	0.01+	0.022
209	1P.+2	0.1P	0.0ff	(0.19P)	0.01+	0.022
210	1P.60	0.1P	0.0ff	(0.19f)	0.01+	0.022
211	1P.68	0.1P	0.0ff	(0.196)	0.01+	0.022
212	1P.fP	0.1P	0.0ff	(0.19+)	0.01+	0.022
21F	1P.P6	0.1P	0.0ff	(0.19f)	0.01+	0.022
21+	1P.8F	0.1F	0.029	(0.192)	0.011	0.018
216	1P.92	0.1F	0.029	(0.192)	0.011	0.018
21f	18.00	0.1F	0.029	(0.191)	0.011	0.018
21P	18.08	0.1F	0.029	(0.190)	0.011	0.018
218	18.1P	0.1F	0.029	(0.189)	0.011	0.018
219	18.26	0.1F	0.029	(0.188)	0.011	0.018
220	18.FF	0.1F	0.029	(0.18P)	0.011	0.018
221	18.+2	0.1F	0.029	(0.18f)	0.011	0.018
222	18.60	0.1F	0.029	(0.186)	0.011	0.018
22F	18.68	0.10	0.022	(0.18+)	0.008	0.01F
22+	18.fP	0.10	0.022	(0.18f)	0.008	0.01F
226	18.P6	0.10	0.022	(0.182)	0.008	0.01F
22f	18.8F	0.0P	0.01+	(0.182)	0.006	0.009
22P	18.92	0.0P	0.01+	(0.181)	0.006	0.009
228	19.00	0.0P	0.01+	(0.180)	0.006	0.009
229	19.08	0.10	0.022	(0.1P9)	0.008	0.01F
2F0	19.1P	0.10	0.022	(0.1P8)	0.008	0.01F
2F1	19.26	0.10	0.022	(0.1PP)	0.008	0.01F
2F2	19.FF	0.1F	0.029	(0.1Pf)	0.011	0.018
2FF	19.+2	0.1F	0.029	(0.1Pf)	0.011	0.018
2F+	19.60	0.1F	0.029	(0.1P6)	0.011	0.018
2F6	19.68	0.10	0.022	(0.1P+)	0.008	0.01F
2Ff	19.fP	0.10	0.022	(0.1PF)	0.008	0.01F
2FP	19.P6	0.10	0.022	(0.1P2)	0.008	0.01F
2F8	19.8F	0.0P	0.01+	(0.1P2)	0.006	0.009
2F9	19.92	0.0P	0.01+	(0.1P1)	0.006	0.009
2+0	20.00	0.0P	0.01+	(0.1P0)	0.006	0.009
2+1	20.08	0.10	0.022	(0.1f9)	0.008	0.01F
2+2	20.1P	0.10	0.022	(0.1f9)	0.008	0.01F
2+F	20.26	0.10	0.022	(0.1f8)	0.008	0.01F
2++	20.FF	0.10	0.022	(0.1fP)	0.008	0.01F
2+6	20.+2	0.10	0.022	(0.1ff)	0.008	0.01F
2+f	20.60	0.10	0.022	(0.1ff)	0.008	0.01F
2+P	20.68	0.10	0.022	(0.1f6)	0.008	0.01F
2+8	20.fP	0.10	0.022	(0.1f+)	0.008	0.01F

Pro1 2yr24hr

Page 4 of 9

[illegible]

*ibe(hRb)	volube	AC.:t	Q(C:S)	0	2.6	6.0	P.6	10.0
OR 6	0.000F	0.0+	Q					
OR10	0.0008	0.08	Q					
OR16	0.001+	0.09	Q					
OR20	0.0022	0.11	Q					
OR26	0.00F1	0.1F	Q					
ORF0	0.00+0	0.1F	Q					
ORF6	0.00+9	0.1F	Q					
OR+0	0.0068	0.1F	Q					
OR+6	0.00fP	0.1F	Q					
OR60	0.00P8	0.16	Q					
OR66	0.0090	0.1P	Q					
1R 0	0.0102	0.18	Q					
1R 6	0.011F	0.1f	Q					
1R10	0.0122	0.1+	Q					
1R16	0.01F1	0.1F	Q					
1R20	0.01+1	0.1F	Q					
1R26	0.0160	0.1F	Q					
1RF0	0.0169	0.1F	Q					
1RF6	0.01f8	0.1F	Q					
1R+0	0.01PP	0.1F	Q					
1R+6	0.018f	0.1F	Q					
1R60	0.019P	0.16	Q					
1R66	0.0209	0.1P	Q					
2R 0	0.0221	0.18	Q					
2R 6	0.02FF	0.18	QV					
2R10	0.02+f	0.18	QV					

2R16	0.0268	0.18	QV				
2R20	0.02P0	0.18	QV				
2R26	0.0282	0.18	QV				
2RF0	0.0296	0.18	QV				
2RF6	0.0F08	0.20	QV				
2R+0	0.0F2F	0.22	QV				
2R+6	0.0FF8	0.22	QV				
2R60	0.0F6+	0.22	QV				
2R66	0.0Ff9	0.22	QV				
FR 0	0.0F8+	0.22	QV				
FR 6	0.0F99	0.22	QV				
FR10	0.0+16	0.22	QV				
FR16	0.0+f0	0.22	QV				
FR20	0.0++6	0.22	QV				
FR26	0.0+f1	0.22	Q V				
FRF0	0.0+Pf	0.22	Q V				
FRF6	0.0+91	0.22	Q V				
FR+0	0.060P	0.22	Q V				
FR+6	0.0622	0.22	Q V				
FR60	0.06F9	0.2+	Q V				
FR66	0.066P	0.2F	QV				
+R 0	0.06P6	0.2P	QV				
+R 6	0.069F	0.2P	QV				
+R10	0.0f12	0.2P	QV				
+R16	0.0ff0	0.2P	QV				
+R20	0.0f60	0.29	QV				
+R26	0.0fp1	0.F1	QV				
+RF0	0.0f92	0.F1	Q V				
+RF6	0.0P1+	0.F1	Q V				
+R+0	0.0PF6	0.F1	Q V				
+R+6	0.0P6f	0.F1	Q V				
+R60	0.0PP9	0.FF	Q V				
+R66	0.080F	0.F6	Q V				
6R 0	0.0828	0.F6	Q V				
6R 6	0.08+9	0.F1	Q V				
6R10	0.08f8	0.28	Q V				
6R16	0.088P	0.2P	Q V				
6R20	0.090P	0.29	Q V				
6R26	0.0928	0.F1	Q V				
6RF0	0.09+9	0.F1	Q V				
6RF6	0.09P2	0.FF	Q V				
6R+0	0.099f	0.F6	Q V				
6R+6	0.1020	0.F6	Q V				
6R60	0.10+6	0.Ff	Q V				
6R66	0.10f9	0.Ff	Q V				
fR 0	0.109+	0.Ff	Q V				
fR 6	0.1120	0.F8	Q V				
fR10	0.11+P	0.F9	Q V				
fR16	0.11P+	0.+0	Q V				
fR20	0.1202	0.+0	Q V				
fR26	0.1229	0.+0	Q V				
fRF0	0.126P	0.+0	Q V				
fRF6	0.128f	0.+2	Q V				
fR+0	0.1F1f	0.++	Q V				
fR+6	0.1F+P	0.++	Q V				
fR60	0.1FPP	0.++	Q V				
fR66	0.1+08	0.++	Q V				
PR 0	0.1+f8	0.++	Q V				
PR 6	0.1+f9	0.++	Q V				
PR10	0.1600	0.++	Q V				
PR16	0.16F0	0.++	Q V				
PR20	0.16f2	0.+f	Q V				
PR26	0.169f	0.+8	Q V				
PRF0	0.1f29	0.+9	Q V				
PRF6	0.1ff+	0.61	Q V				
PR+0	0.1P01	0.6F	Q V				
PR+6	0.1PPF	0.6F	Q V				
PR60	0.1PP6	0.66	Q V				
PR66	0.1816	0.6P	Q V				
8R 0	0.186+	0.68	Q V				
8R 6	0.189P	0.f2	Q V				
8R10	0.19+2	0.ff	Q V				
8R16	0.1988	0.ff	Q V				
8R20	0.20F+	0.fP	Q V				
8R26	0.2080	0.fP	Q V				
8RF0	0.212f	0.fP	Q V				
8RF6	0.21PF	0.f9	Q V				
8R+0	0.2221	0.P1	Q V				
8R+6	0.22P0	0.P1	Q V				
8R60	0.2F21	0.PF	Q V				
8R66	0.2FP2	0.P6	Q V				
9R 0	0.2+2+	0.P6	Q V				
9R 6	0.2+P9	0.80	Q V				
9R10	0.26FP	0.8F	Q V				
9R16	0.269+	0.8+	Q V				
9R20	0.2f6+	0.8f	Q V				
9R26	0.2P16	0.88	Q V				

9RF0	0.2PPF	0.89	Q	V		
9RF6	0.28F9	0.91	Q	V		
9R+0	0.2902	0.9F	Q	V		
9R+6	0.29fP	0.9F	Q	V		
9R60	0.F0F2	0.96	Q	V		
9R66	0.F099	0.9P	Q	V		
10R 0	0.F1ff	0.98		V		
10R 6	0.F22+	0.8F	Q	V		
10R10	0.F2P2	0.P0	Q	V		
10R16	0.FF19	0.f8	Q	V		
10R20	0.FFf6	0.fP	Q	V		
10R26	0.F+11	0.fP	Q	V		
10RF0	0.F+6P	0.fP	Q	V		
10RF6	0.F609	0.PP	Q	V		
10R+0	0.F6f9	0.8f	Q	V		
10R+6	0.Fff0	0.88	Q	V		
10R60	0.Ff91	0.89	Q	V		
10R66	0.FP62	0.89	Q	V		
11R 0	0.F81F	0.89	Q	V		
11R 6	0.F8PF	0.8P	Q	V		
11R10	0.F9F1	0.86	Q	V		
11R16	0.F990	0.86	Q	V		
11R20	0.+0+8	0.8+	Q	V		
11R26	0.+10f	0.8+	Q	V		
11RF0	0.+1f+	0.8+	Q	V		
11RF6	0.+219	0.80	Q	V		
11R+0	0.+2P2	0.PP	Q	V		
11R+6	0.+F2+	0.Pf	Q	V		
11R60	0.+FP8	0.P8	Q	V		
11R66	0.++F2	0.P9	Q	V		
12R 0	0.++8P	0.80	Q	V		
12R 6	0.+662	0.9+	Q	V		
12R10	0.+f2f	1.0P	Q	V		
12R16	0.+P02	1.10	Q	V		
12R20	0.+P80	1.1F	Q	V		
12R26	0.+869	1.16	Q	V		
12RF0	0.+9F9	1.16	Q	V		
12RF6	0.6021	1.20	Q	V		
12R+0	0.610f	1.2F	Q	V		
12R+6	0.6192	1.2+	Q	V		
12R60	0.62P9	1.2f	Q	V		
12R66	0.6FfP	1.28	Q	V		
1FR 0	0.6+6f	1.29	Q	V		
1FR 6	0.6661	1.F9	Q	V		
1FR10	0.6f6+	1.+8	Q	V		
1FR16	0.6P6P	1.60	Q	V		
1FR20	0.68f1	1.61	Q	V		
1FR26	0.69f6	1.61	Q	V		
1FRF0	0.f0F9	1.61	Q	V		
1FRF6	0.f168	1.28	Q	V		
1FR+0	0.f2F2	1.08	Q	V		
1FR+6	0.fF0+	1.0+	Q	V		
1FR60	0.fFP+	1.02	Q	V		
1FR66	0.f+++	1.02	Q	V		
1+R 0	0.f616	1.02	Q	V		
1+R 6	0.f691	1.10	Q	V		
1+R10	0.fffP2	1.18	Q	V		
1+R16	0.fP6+	1.19	Q	V		
1+R20	0.f8F6	1.18	Q	V		
1+R26	0.f916	1.1f	Q	V		
1+RF0	0.f996	1.1f	Q	V		
1+RF6	0.P0P+	1.1f	Q	V		
1+R+0	0.P16+	1.1f	Q	V		
1+R+6	0.P2FF	1.1f	Q	V		
1+R60	0.PF12	1.1F	Q	V		
1+R66	0.PF88	1.12	Q	V		
16R 0	0.P+f6	1.11	Q	V		
16R 6	0.P6+0	1.09	Q	V		
16R10	0.Pf1+	1.0P	Q	V		
16R16	0.Pf8P	1.0P	Q	V		
16R20	0.PP69	1.06	Q	V		
16R26	0.P8F0	1.0F	Q	V		
16RF0	0.P901	1.02	Q	V		
16RF6	0.P9f6	0.9+	Q	V		
16R+0	0.8026	0.8f	Q	V		
16R+6	0.808F	0.86	Q	V		
16R60	0.81+2	0.8+	Q	V		
16R66	0.8200	0.8+	Q	V		
1FR 0	0.8268	0.8+	Q	V		
1FR 6	0.8296	0.6+	Q	V		
1FR10	0.8F12	0.26	Q	V		
1FR16	0.8F2f	0.20	Q	V		
1FR20	0.8FF8	0.18	Q	V		
1FR26	0.8F61	0.18	Q	V		
1FRF0	0.8FFf	0.18	Q	V		
1FRF6	0.8FP+	0.1f	Q	V		
1FR+0	0.8F8F	0.1+	Q	V		

1FR+6	0.8F92	0.1F	Q				V
1FR60	0.8+02	0.1F	Q				V
1FR66	0.8+11	0.1F	Q				V
1PR 0	0.8+20	0.1F	Q				V
1PR 6	0.8+F2	0.1P	Q				V
1PR10	0.8++P	0.21	Q				V
1PR16	0.8+f2	0.22	Q				V
1PR20	0.8+PP	0.22	Q				V
1PR26	0.8+92	0.22	Q				V
1PRF0	0.8608	0.22	Q				V
1PRF6	0.862F	0.22	Q				V
1PR+0	0.86F8	0.22	Q				V
1PR+6	0.866F	0.22	Q				V
1PR60	0.86fP	0.20	Q				V
1PR66	0.8680	0.18	Q				V
18R 0	0.8692	0.18	Q				V
18R 6	0.8f0+	0.18	Q				V
18R10	0.8f1P	0.18	Q				V
18R16	0.8f29	0.18	Q				V
18R20	0.8f+1	0.18	Q				V
18R26	0.8f6F	0.18	Q				V
18RF0	0.8fff	0.18	Q				V
18RF6	0.8fPP	0.1f	Q				V
18R+0	0.8f8f	0.1+	Q				V
18R+6	0.8f96	0.1F	Q				V
18R60	0.8P0F	0.11	Q				V
18R66	0.8P10	0.09	Q				V
19R 0	0.8P1f	0.09	Q				V
19R 6	0.8P2F	0.11	Q				V
19R10	0.8PF2	0.1F	Q				V
19R16	0.8P+1	0.1F	Q				V
19R20	0.8P62	0.16	Q				V
19R26	0.8Pf+	0.1P	Q				V
19RF0	0.8PPf	0.18	Q				V
19RF6	0.8P8P	0.1f	Q				V
19R+0	0.8P9f	0.1+	Q				V
19R+6	0.8806	0.1F	Q				V
19R60	0.881F	0.11	Q				V
19R66	0.8820	0.09	Q				V
20R 0	0.882f	0.09	Q				V
20R 6	0.88FF	0.11	Q				V
20R10	0.88+2	0.1F	Q				V
20R16	0.8861	0.1F	Q				V
20R20	0.88f1	0.1F	Q				V
20R26	0.88P0	0.1F	Q				V
20RF0	0.88P9	0.1F	Q				V
20RF6	0.8888	0.1F	Q				V
20R+0	0.889P	0.1F	Q				V
20R+6	0.890F	0.1F	Q				V
20R60	0.891+	0.11	Q				V
20R66	0.8921	0.09	Q				V
21R 0	0.892P	0.09	Q				V
21R 6	0.89F+	0.11	Q				V
21R10	0.89+F	0.1F	Q				V
21R16	0.8962	0.1F	Q				V
21R20	0.89f0	0.11	Q				V
21R26	0.89fP	0.09	Q				V
21RF0	0.89PF	0.09	Q				V
21RF6	0.8980	0.11	Q				V
21R+0	0.8989	0.1F	Q				V
21R+6	0.8998	0.1F	Q				V
21R60	0.900F	0.11	Q				V
21R66	0.9012	0.09	Q				V
22R 0	0.9019	0.09	Q				V
22R 6	0.902f	0.11	Q				V
22R10	0.90F6	0.1F	Q				V
22R16	0.90++	0.1F	Q				V
22R20	0.9062	0.11	Q				V
22R26	0.9068	0.09	Q				V
22RF0	0.90f6	0.09	Q				V
22RF6	0.90P1	0.09	Q				V
22R+0	0.90PP	0.09	Q				V
22R+6	0.908F	0.09	Q				V
22R60	0.9089	0.09	Q				V
22R66	0.9096	0.09	Q				V
2FR 0	0.9101	0.09	Q				V
2FR 6	0.910P	0.09	Q				V
2FR10	0.911+	0.09	Q				V
2FR16	0.9120	0.09	Q				V
2FR20	0.912f	0.09	Q				V
2FR26	0.91F2	0.09	Q				V
2FRF0	0.91F8	0.09	Q				V
2FRF6	0.91++	0.09	Q				V
2FR+0	0.9160	0.09	Q				V
2FR+6	0.916f	0.09	Q				V
2FR60	0.91f2	0.09	Q				V
2FR66	0.91f9	0.09	Q				V

2+R 0	0.91P6	0.09	Q				V
2+R 6	0.91P8	0.06	Q				V
2+R10	0.91P9	0.01	Q				V
2+R16	0.91P9	0.00	Q				V

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viMerside County Synthetic Unit Hydrology &ethod
vC:C W 7CD &annual date - April 19P8

English (in-15) Input Units Used
English vainfall Data (Inches) Input values Used
English Units used in output forbat

```

Drainage Area = 9.8P(Ac.) = 0.01+ S3. &i.
Drainage Area for Depth-Area Area Adjstbent = 9.8P(Ac.) = 0.01+ S3. &i.
Length along longest jatercourse = 1180.00(:t.)
Length along longest jatercourse beasured to centroid = +90.00(:t.)
Length along longest jatercourse = 0.22F &i.
Length along longest jatercourse beasured to centroid = 0.112 &i.
Difference in elevation = 18.60(:t.)
Slope along jatercourse = 8F.22P1 :t./&i.
AVERAGE &anningws wNW = 0.01+
Lag time = 0.0F8 Hr.
Lag time = 2.29 &in.
2+4 of lag time = 0.+P &in.
'04 of lag time = 0.92 &in.
Unit time = +.00 &in.
Duration of storb = 1 Hour(s)
User Entered %ase :loj = 0.00(C:S)

```

Area(Ac.)Y1[9.8P	vainfall(In)Y2[0.+0	7eightingY1]2[' .9F

Area(Ac.)Y1[	vainfall(In)Y2[	7eightingY1]2[
9.8P	1.20	11.8'

S*TV& EVEN* (BEAV) = +.00
Area AMerged 2-Bear vainfall = 0.+00(In)
Area AMerged 100-Bear vainfall = 1.200(In)

```
moint rain (area aMeraged) = 0.66'(In)
Areaj adqustbent factor = 99.99 4
Adqusted aMerage point rain = 0.66'(In)
```

Su5-Area Datax
Area(Ac.) vunoff Inde0 IbperrMious 4
9.8P0 +6.00 0.6+0
*otal Area Entered = 9.8P(Ac.)

VI	VI	Infil. vate	IberperMious	Adq. Infil. vate	Area4	:
A&C2	A&C-1	(In/Hr)	(Dec.4)	(In/Hr)	(Dec.)	(In/Hr)
+6.0	F6.0	0.P06	0.6+0	0.29F	1.000	0.29F
					Sub (:)	= 0.29F

Area averaged bean soil loss (:) (In/Hr) = 0.29F
 &inub soil loss rate ((In/Hr)) = 0.1'6
 (for 2' hour storb duration)
 Soil loj loss rate (decimal) = 0.F80

slope of intensity-duration curve for a 1 hour storm = 0.4000

Unit Hydrograph
VALLEB S-CurMe

Unit Hydrograph Data

Unit tide period	*ibe 4 of lag	Distribution	Unit Hydrograph

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viMerside County Synthetic Unit Hydrology &ethod
vC:C W 7CD &annual date - April 19P8

English (in-15) Input Units Used
English vainfall Data (Inches) Input Values Used
English Units used in output forbat

```

Drainage Area = 9.8P(Ac.) = 0.01+ S3. &i.
Drainage Area for Depth-Area Area Adjstbent = 9.8P(Ac.) = 0.01+ S3. &i.
Length along longest jatercourse = 1180.00(:t.)
Length along longest jatercourse beasured to centroid = +90.00(:t.)
Length along longest jatercourse = 0.22F &i.
Length along longest jatercourse beasured to centroid = 0.112 &i.
Difference in elevation = 18.60(:t.)
Slope along jatercourse = 8F.22P1 :t./&i.
AVERAGE &anningws wNW = 0.01+
Lag time = 0.0F8 Hr.
Lag time = 2.29 &in.
2+4 of lag time = 0.+P &in.
'04 of lag time = 0.92 &in.
Unit time = +.00 &in.
Duration of storb = F Hour(s)
User Entered %ase :loj = 0.00(C:S)

```

Area(Ac.)Y1[9.8P	vainfall(In)Y2[0.80	7eightingY1]2[P.90

Area(Ac.)Y1[9.8P	vainfall(In)Y2[1.90	7eightingY1]2[18.P+

S*TV& EVEN* (BEAV) = +.00
Area AMerged 2-Bear vainfall = 0.800(In)
Area AMerged 100-Bear vainfall = 1.900(In)

```

point rain (area aMerged) = 1.0+8(In)
AreaI adqustbent factor = 100.00 4
Adqusted aMerge point rain = 1.0+8(In)

```

```

Su5-Area Datax
Area(Ac.)          vunoff Inde0    IbperrMious 4
    9.8P0              +6.00          0.6+0
*otal Area Entered =      9.8P(Ac.)

```

VI	vI	Infil. vate	Iberpmious	Adq. Infil. vate	Area4	:
A&C2	A&C-1	(In/Hr)	(Dec.4)	(In/Hr)	(Dec.)	(In/Hr)
+6.0	F6.0	0.006	0.6+0	0.29F	1.000	0.29F
					Sub (:)	=
Area aMERAGED bean soil loss (:)					(In/Hr) =	0.29F
&inibub soil loss rate ((In/Hr))					=	0.1'6
(for 2' hour storb duration)						
Soil loj loss rate (decibal)					=	0.F80

Unit Hydrograph
VALLEB S-CurMe

Unit Hydrograph Data

Unit time period (hrs)	*ibe 4 of lag	Distribution Graph 4	Unit Hydrograph (C:S)

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Mi&erside County Synthetic Unit Hydrology wethod
MC:C 7 PCD Wanual date - April 19m8

English (in-16) Input Units Used
English Mainfall Data (Inches) Input Values Used
English Units used in output for5at

```

Drainage Area = 9.8m(Ac.) = 0.01+ S3. Wi.
Drainage Area for Depth-Area Area1 Adjus5ent = 9.8m(Ac.) = 0.01+ S3. Wi.
Length along longest jatercourse = 1180.00(:t.)
Length along longest jatercourse 5easured to centroid = +90.00(:t.)
Length along longest jatercourse = 0.22F Wi.
Length along longest jatercourse 5easured to centroid = 0.112 Wi.
Difference in ele4ation = 18.R0(:t.)
Slope along jatercourse = 8F.22m1 :t./Wi.
A4erage wannings wNW = 0.01+
Lag ti5e = 0.0F8 Hr.
Lag ti5e = 2.29 Win.
2+4 of lag ti5e = 0.+m Win.
'04 of lag ti5e = 0.92 Win.
Unit ti5e = +.00 Win.
Duration of stor5 = R Hour(s)
User Entered %ase :loj = 0.00(C:S)

```

Area(Ac.)Y1[	Mainfall(In)Y2[	PeightingY1]2[
9.8m	1.20	11.8'

Area(Ac.)Y1[9.8m	Mainfall(In)Y2[2.+0	PeightingY1]2[2'.Rm

S*TMW EVEN* (BEAM) = +.00
 Area A_{eraged} 2-Bear Mainfall = 1.200(In)
 Area A_{eraged} 100-Bear Mainfall = 2.+00(In)

```

point rain (area a&eraged) = 1.+0'(In)
Areal adjust5ent factor = 100.00 4
Adjusted a&erage point rain = 1.+0'(In)

```

Su6-Area Datax
Area(Ac.) Munoff IndeO I5per&iuous 4
9.8m0 +R.00 0.R+0
*otal Area Entered = 9.8m(Ac.)

MI	MI	Infil. Mate	I5perious	Adq. Infil. Mate	Area4	:
AWC2	AWC-1	(In/Hr)	(Dec.4)	(In/Hr)	(Dec.)	(In/Hr)
+R.0	FR.0	0.m0R	0.R+0	0.29F	1.000	0.29F
					Su5 (:)	= 0.29F
Area a&eraged 5ean soil loss (:)						
(In/Hr) = 0.29F						
wini5u5 soil loss rate ((In/Hr)) = 0.1'R						
(for 2' hour stor5 duration)						
Soil loj loss rate (dec15al) = 0.F80						

Unit Hydrograph
VALLEB S-Cur&e

Unit Hydrograph Data

Unit time period (hrs)	*ise 4 of lag	Distribution Graph 4	Unit Hydrograph (C:S)

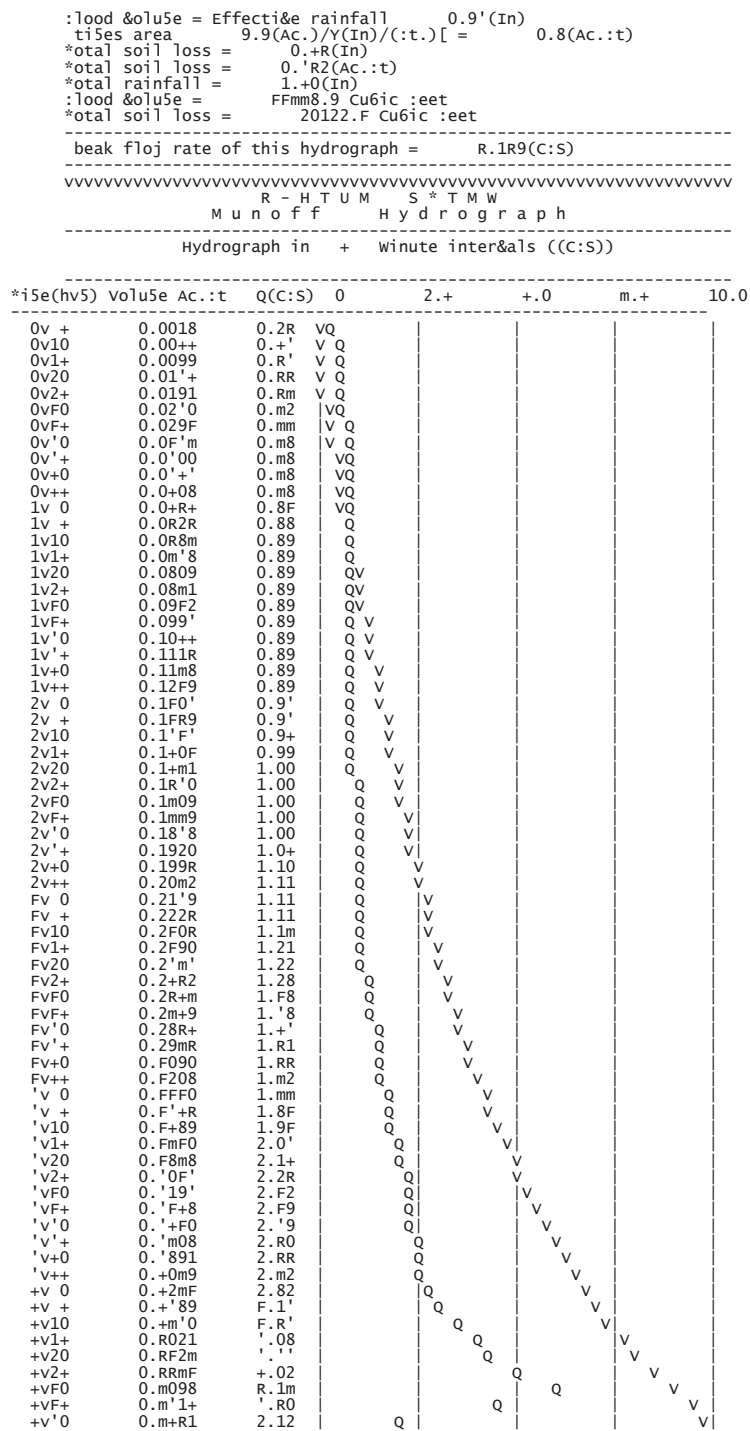
1	0.08F	21m.9FR	'R.FFm	'R.09
2	0.1Rm	'F+.8m2	'2.1F+	'191
F	0.2+0	R+F.809	8.112	0.80m
'	0.FFF	8m1.m'+	F.'1+	0.F'0
		Su5 = 100.000	Su5=	9.9'm

*he folloing loss rate calculations reflect use of the 5ini5u5 calculated loss rate sub6tracted fro5 the Stor5 Main to produce the 5a0i5u5 Effecti&e Main &alue

Unit	*i5e (Hr.)	battern bercent	Stor5 Main (In/Hr)	Loss rate(In./Hr) wao Loj	Effecti&e (In/Hr)
1	0.08	0.+0	0.090	(0.29F)	0.0F'
2	0.1m	0.R0	0.108	(0.29F)	0.0'1
F	0.2+	0.R0	0.108	(0.29F)	0.0'1
'	0.FF	0.R0	0.108	(0.29F)	0.0'1
+	0.'2	0.R0	0.108	(0.29F)	0.0'1
R	0.+0	0.m0	0.12R	(0.29F)	0.0'8
m	0.+8	0.m0	0.12R	(0.29F)	0.0'8
8	0.Rm	0.m0	0.12R	(0.29F)	0.0'8
9	0.m+	0.m0	0.12R	(0.29F)	0.0'8
10	0.8F	0.m0	0.12R	(0.29F)	0.0'8
11	0.92	0.m0	0.12R	(0.29F)	0.0'8
12	1.00	0.80	0.1''	(0.29F)	0.0++
1F	1.08	0.80	0.1''	(0.29F)	0.0++
1'	1.1m	0.80	0.1''	(0.29F)	0.0++
1+	1.2+	0.80	0.1''	(0.29F)	0.0++
1R	1.FF	0.80	0.1''	(0.29F)	0.0++
1m	1.'2	0.80	0.1''	(0.29F)	0.0++
18	1.+0	0.80	0.1''	(0.29F)	0.0++
19	1.+8	0.80	0.1''	(0.29F)	0.0++
20	1.Rm	0.80	0.1''	(0.29F)	0.0++
21	1.m+	0.80	0.1''	(0.29F)	0.0++
22	1.8F	0.80	0.1''	(0.29F)	0.0++
2F	1.92	0.80	0.1''	(0.29F)	0.0++
2'	2.00	0.90	0.1R2	(0.29F)	0.0R2
2+	2.08	0.80	0.1''	(0.29F)	0.0++
2R	2.1m	0.90	0.1R2	(0.29F)	0.0R2
2m	2.2+	0.90	0.1R2	(0.29F)	0.0R2
28	2.FF	0.90	0.1R2	(0.29F)	0.0R2
29	2.'2	0.90	0.1R2	(0.29F)	0.0R2
F0	2.+0	0.90	0.1R2	(0.29F)	0.0R2
F1	2.+8	0.90	0.1R2	(0.29F)	0.0R2
F2	2.Rm	0.90	0.1R2	(0.29F)	0.0R2
FF	2.m+	1.00	0.181	(0.29F)	0.0R9
F'	2.8F	1.00	0.181	(0.29F)	0.0R9
F+	2.92	1.00	0.181	(0.29F)	0.0R9
FR	F.00	1.00	0.181	(0.29F)	0.0R9
Fm	F.08	1.00	0.181	(0.29F)	0.0R9
F8	F.1m	1.10	0.199	(0.29F)	0.0m+
F9	F.2+	1.10	0.199	(0.29F)	0.0m+
'0	F.FF	1.10	0.199	(0.29F)	0.0m+
'1	F.'2	1.20	0.21m	(0.29F)	0.082
'2	F.+0	1.F0	0.2F+	(0.29F)	0.089
'F	F.+8	1.'0	0.2+F	(0.29F)	0.09R
''	F.Rm	1.'0	0.2+F	(0.29F)	0.09R
'+	F.m+	1.+0	0.2m1	(0.29F)	0.10F
'R	F.8F	1.+0	0.2m1	(0.29F)	0.10F
'm	F.92	1.R0	0.289	(0.29F)	0.110
'8	'.'00	1.R0	0.289	(0.29F)	0.110
'9	'.'08	1.m0	0.F0m	(0.29F)	0.11m
+0	'.'1m	1.80	0.F2+	(0.29F)	0.12F
+1	'.'2+	1.90	0.F'F	(0.29F)	0.1F0
+2	'.'FF	2.00	0.FR1	(0.29F)	0.1Fm
+F	'.'2	2.10	0.Fm9	(0.29F)	0.1''
+'	'.'+0	2.10	0.Fm9	(0.29F)	0.1''
++	'.'+8	2.20	0.F9m	(0.29F)	0.1+1
+R	'.'Rm	2.F0	0.'1+	(0.29F)	0.1+8
+m	'.'m+	2.'0	0.'FF	(0.29F)	0.1R+
+8	'.'8F	2.'0	0.'FF	(0.29F)	0.1R+
+9	'.'92	2.+0	0.'+1	(0.29F)	0.1m2
R0	+.00	2.R0	0.'R9	(0.29F)	0.1m8
R1	+.08	F.10	0.+R0	(0.29F)	0.21F
R2	+.1m	F.R0	0.R+0	(0.29F)	0.2'm
RF	+.2+	F.90	0.m0'	(0.29F)	0.2R8
R'	+.FF	'.'20	0.m+8	(0.29F)	0.288
R+	+. '2	'.'m0	0.8'9	0.29F (0.F22)	0.++R
RR	+.+0	+.R0	1.011	0.29F (0.F8')	0.m18
Rm	+.+8	1.90	0.F'F	(0.29F)	0.1F0
R8	+.Rm	0.90	0.1R2	(0.29F)	0.0R2
R9	+.m+	0.R0	0.108	(0.29F)	0.0'1
m0	+.8F	0.+0	0.090	(0.29F)	0.0F'
m1	+.92	0.F0	0.0+'	(0.29F)	0.021
m2	R.00	0.20	0.0FR	(0.29F)	0.01'
		(Loss Mate Not Used)			
Su5 =		100.0		Su5 =	11.F

Pro1 5yr6hr

Page 2 of 4



Pro1 5yr6hr

Page 3 of 4

+v'+	0.mR'0	1.1+		Q				V
+v+0	0.mR88	0.R9		Q				V
+v++	0.mm21	0.'8		Q				V
Rv 0	0.mm'2	0.F1		Q				V
Rv +	0.mm+2	0.1'		Q				V
Rv10	0.mm+'	0.0F		Q				V
Rv1+	0.mm++	0.01		Q				V

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Study date 0F/01/22 :ilex pro1+2R+.out

Mi&erside County Synthetic Unit Hydrology wethod
MC:C 7 PCD Wanual date - April 19m8

English (in-16) Input Units Used
English Main=all Data (Inches) Input values Used
English Units used in output =or5at

```

Drainage Area 3 9.8m(Ac.) 3 0.01+ Sq. Wi.
Drainage Area =or Depth-Area Area Adjusted 3 9.8m(Ac.) 3 0.01+ Sq. Wi.
Length along longest watercourse 3 1180.00(:t.)
Length along longest watercourse measured to centroid 3 +90.00(:t.)
Length along longest watercourse 3 0.22F Wi.
Length along longest watercourse measured to centroid 3 0.112 Wi.
Difference in elevation 3 18.F0(:t.)
Slope along watercourse 3 8F.22m1 :t./Wi.
Average Manning's n 3 0.01+
Lag time 3 0.0F8 Hr.
Lag time 3 2.29 min.
2' o= lag time 3 0+m Win.
R0' o= lag time 3 0.92 Win.
Unit time 3 +.00 Win.
Duration o= stor 3 2R Hour(s)
User Entered %ase :low 3 0.00(c:s)

```

Area(Ac.)Y1[9.8m Main=a11(In)Y2[1.80 PeightingY1]2[1m.mm

Area(Ac.)Y1[9.8m Main=a11(In)Y2[R.+0 PeightingY1]2[RR.R1

S*TMW EVEN* (BEAM) 3 +.00
Area A&eraged 2-Bear Main=all 3 1.800(In)
Area A&eraged 100-Bear Main=all 3 R.+00(In)

```

point rain (area a&eraged) 3      2.RF2(In)
Areal adjust5ent =actor 3 100.00 '
Adjusted a&erage point rain 3      2.RF2(In)

```

Su6-Area Daxx
Area(Ac.) Muno== IndeO I5per&iuous '
9.8m0 +f.00 0.f+0
*otal Area Entered 3 9.8m(Ac.)

MI	MI	In=il. Mate	I5perious	Adj. In=il. Mate	Area'	:
AWC2	AWC-1	(In/Hr)	(Dec.')	(In/Hr)	(Dec.)	(In/Hr)
+F.0	Ff.0	0.0mOf	0.f+0	0.29F	1.000	0.29F
					Su5 (:)	3 0.29F
Area a&eraged 5ean soil loss (:)						
wini5u5 soil loss rate ((In/Hr) 3				0.29F		
(=or 2R hour stor5 duration)				3 0.1rF		
Soil low loss rate (dec15al)				3 0.F80		

Unit Hydrograph
VALLEB S-Cur&e

Unit Hydrograph Data

Unit time period (hrs)	*ise ' o= lag	Distribution Graph	Unit Hydrograph (C:S)

1	0.08F	21m.9Ff	Rf.FFm	R.f09
2	0.1fm	RF+.8m2	R2.1F+	R.191
F	0.2+0	f+F.809	8.112	0.80m
R	0.FFF	8m1.mR+	F.R1+	0.FR0
		Su5 3 100.000	Su53	9.9Rm

*he =ollowing loss rate calculations re=lect use o= the 5ini5u5 calculated loss rate subtracted =ro5 the Stor5 Main to produce the 5a0i5u5 E=ecti&e Main &alue

Unit	*ise (Hr.)	battern bercent	Stor5 Main (In/Hr)	Loss rate(In./Hr) wa0 Low	E=ecti&e (In/Hr)
1	0.08	0.0m	0.019	(0.+19)	0.00m
2	0.1m	0.0m	0.019	(0.+1m)	0.00m
F	0.2+	0.0m	0.019	(0.+1+)	0.00m
R	0.FF	0.10	0.029	(0.+1F)	0.011
+	0.R2	0.10	0.029	(0.+11)	0.011
f	0.+0	0.10	0.029	(0.+09)	0.011
m	0.+8	0.10	0.029	(0.+0m)	0.011
8	0.fm	0.10	0.029	(0.+0+)	0.011
9	0.m+	0.10	0.029	(0.+0F)	0.011
10	0.8F	0.1F	0.0F9	(0.+01)	0.01+
11	0.92	0.1F	0.0F9	(0.R99)	0.01+
12	1.00	0.1F	0.0F9	(0.R98)	0.01+
1F	1.08	0.10	0.029	(0.R9f)	0.011
1R	1.1m	0.10	0.029	(0.R9R)	0.011
1+	1.2+	0.10	0.029	(0.R92)	0.011
1f	1.FF	0.10	0.029	(0.R90)	0.011
1m	1.R2	0.10	0.029	(0.R88)	0.011
18	1.+0	0.10	0.029	(0.R8f)	0.011
19	1.+8	0.10	0.029	(0.R8R)	0.011
20	1.fm	0.10	0.029	(0.R82)	0.011
21	1.m+	0.10	0.029	(0.R80)	0.011
22	1.8F	0.1F	0.0F9	(0.Rm8)	0.01+
2F	1.92	0.1F	0.0F9	(0.Rmf)	0.01+
2R	2.00	0.1F	0.0F9	(0.RmR)	0.01+
2+	2.08	0.1F	0.0F9	(0.Rm2)	0.01+
2f	2.1m	0.1F	0.0F9	(0.Rm0)	0.01+
2m	2.2+	0.1F	0.0F9	(0.Rf8)	0.01+
28	2.FF	0.1F	0.0F9	(0.Rfm)	0.01+
29	2.R2	0.1F	0.0F9	(0.Rf+)	0.01+
F0	2.+0	0.1F	0.0F9	(0.RfF)	0.01+
F1	2.+8	0.1m	0.0R9	(0.Rf1)	0.018
F2	2.fm	0.1m	0.0R9	(0.R+9)	0.018
FF	2.m+	0.1m	0.0R9	(0.R+m)	0.018
FR	2.8F	0.1m	0.0R9	(0.R+)	0.018
F+	2.92	0.1m	0.0R9	(0.R+f)	0.018
Ff	F.00	0.1m	0.0R9	(0.R+1)	0.018
Fm	F.08	0.1m	0.0R9	(0.R+0)	0.018
F8	F.1m	0.1m	0.0R9	(0.RR8)	0.018
F9	F.2+	0.1m	0.0R9	(0.RRf)	0.018
R0	F.FF	0.1m	0.0R9	(0.RRR)	0.018
R1	F.R2	0.1m	0.0R9	(0.RR2)	0.018
R2	F.+0	0.1m	0.0R9	(0.RR0)	0.018
RF	F.+8	0.1m	0.0R9	(0.RF8)	0.018
RR	F.fm	0.1m	0.0R9	(0.RFm)	0.018
R+	F.m+	0.1m	0.0R9	(0.RF+)	0.018
Rf	F.8F	0.20	0.0+8	(0.RFF)	0.022
Rm	F.92	0.20	0.0+8	(0.RF1)	0.022
R8	R.00	0.20	0.0+8	(0.R29)	0.022
R9	R.08	0.20	0.0+8	(0.R2m)	0.022
+0	R.1m	0.20	0.0+8	(0.R2f)	0.022
+1	R.2+	0.20	0.0+8	(0.R2R)	0.022
+2	R.FF	0.2F	0.0f8	(0.R22)	0.02f
+F	R.R2	0.2F	0.0f8	(0.R20)	0.02f
+R	R.+0	0.2F	0.0f8	(0.R18)	0.02f
++	R.+8	0.2F	0.0f8	(0.R1m)	0.02f
+f	R.fm	0.2F	0.0f8	(0.R1+)	0.02f
+m	R.m+	0.2F	0.0f8	(0.R1F)	0.02f
+8	R.8F	0.2m	0.0m8	(0.R11)	0.0F0
+9	R.92	0.2m	0.0m8	(0.R09)	0.0F0
f0	+.00	0.2m	0.0m8	(0.R08)	0.0F0
f1	+.08	0.20	0.0+8	(0.R0f)	0.022
f2	+.1m	0.20	0.0+8	(0.R0R)	0.022
FF	+.2+	0.20	0.0+8	(0.R02)	0.022
fR	+.FF	0.2F	0.0f8	(0.R01)	0.02f
f+	+.R2	0.2F	0.0f8	(0.F99)	0.02f
ff	+.+0	0.2F	0.0f8	(0.F9m)	0.02f
fm	+.+8	0.2m	0.0m8	(0.F9+)	0.0F0
f8	+.fm	0.2m	0.0m8	(0.F9R)	0.0F0
f9	+.m+	0.2m	0.0m8	(0.F92)	0.0F0
m0	+.8F	0.2m	0.0m8	(0.F90)	0.0F0
m1	+.92	0.2m	0.0m8	(0.F88)	0.0F0
m2	f.00	0.2m	0.0m8	(0.F8m)	0.0F0
mF	f.08	0.F0	0.088	(0.F8+)	0.0FF
mR	f.1m	0.F0	0.088	(0.F8F)	0.0FF

m+	f.2+	0.F0	0.088	(0.F82)	0.0FF	0.0+R
mf	f.FF	0.F0	0.088	(0.F80)	0.0FF	0.0+R
mm	f.R2	0.F0	0.088	(0.Fm8)	0.0FF	0.0+R
m8	f.+0	0.F0	0.088	(0.Fmm)	0.0FF	0.0+R
m9	f.+8	0.FF	0.09m	(0.Fm+)	0.0Fm	0.0f0
80	f.fm	0.FF	0.09m	(0.FmF)	0.0Fm	0.0f0
81	f.m+	0.FF	0.09m	(0.Fm1)	0.0Fm	0.0f0
82	f.8F	0.FF	0.09m	(0.Fm0)	0.0Fm	0.0f0
8F	f.92	0.FF	0.09m	(0.Ff8)	0.0Fm	0.0f0
8R	m.00	0.FF	0.09m	(0.Fff)	0.0Fm	0.0f0
8+	m.08	0.FF	0.09m	(0.Ff+)	0.0Fm	0.0f0
8f	m.1m	0.FF	0.09m	(0.FfF)	0.0Fm	0.0f0
8m	m.2+	0.FF	0.09m	(0.Ff1)	0.0Fm	0.0f0
88	m.FF	0.Fm	0.10m	(0.Ff0)	0.0R1	0.0ff
89	m.R2	0.Fm	0.10m	(0.F+8)	0.0R1	0.0ff
90	m.+0	0.Fm	0.10m	(0.F+f)	0.0R1	0.0ff
91	m.+8	0.R0	0.11m	(0.F++)	0.0RR	0.0m2
92	m.fm	0.R0	0.11m	(0.F+F)	0.0RR	0.0m2
9F	m.m+	0.R0	0.11m	(0.F+2)	0.0RR	0.0m2
9R	m.8F	0.RF	0.12f	(0.F+0)	0.0R8	0.0m8
9+	m.92	0.RF	0.12f	(0.FR8)	0.0R8	0.0m8
9f	8.00	0.RF	0.12f	(0.FRm)	0.0R8	0.0m8
9m	8.08	0.+0	0.1Rf	(0.FR+)	0.0++	0.090
98	8.1m	0.+0	0.1Rf	(0.FRR)	0.0++	0.090
99	8.2+	0.+0	0.1Rf	(0.FR2)	0.0++	0.090
100	8.FF	0.+0	0.1Rf	(0.FR0)	0.0++	0.090
101	8.R2	0.+0	0.1Rf	(0.FF9)	0.0++	0.090
102	8.+0	0.+0	0.1Rf	(0.FFm)	0.0++	0.090
10F	8.+8	0.+F	0.1+f	(0.FFF)	0.0+9	0.09m
10R	8.fm	0.+F	0.1+f	(0.FFR)	0.0+9	0.09m
10+	8.m+	0.+F	0.1+f	(0.FF2)	0.0+9	0.09m
10f	8.8F	0.+m	0.1f+	(0.FF1)	0.0fF	0.10F
10m	8.92	0.+m	0.1f+	(0.F29)	0.0fF	0.10F
108	9.00	0.+m	0.1f+	(0.F28)	0.0fF	0.10F
109	9.08	0.fF	0.18+	(0.F2f)	0.0m0	0.11+
110	9.1m	0.fF	0.18+	(0.F2+)	0.0m0	0.11+
111	9.2+	0.fF	0.18+	(0.F2F)	0.0m0	0.11+
112	9.FF	0.fm	0.19+	(0.F22)	0.0mR	0.121
11F	9.R2	0.fm	0.19+	(0.F20)	0.0mR	0.121
11R	9.+0	0.fm	0.19+	(0.F18)	0.0mR	0.121
11+	9.+8	0.m0	0.20R	(0.F1m)	0.0m8	0.12m
11f	9.fm	0.m0	0.20R	(0.F1+)	0.0m8	0.12m
11m	9.m+	0.m0	0.20R	(0.F1R)	0.0m8	0.12m
118	9.8F	0.mF	0.21R	(0.F12)	0.081	0.1FF
119	9.92	0.mF	0.21R	(0.F11)	0.081	0.1FF
120	10.00	0.mF	0.21R	(0.F09)	0.081	0.1FF
121	10.08	0.+0	0.1Rf	(0.F08)	0.0++	0.090
122	10.1m	0.+0	0.1Rf	(0.F0f)	0.0++	0.090
12F	10.2+	0.+0	0.1Rf	(0.F0+)	0.0++	0.090
12R	10.FF	0.+0	0.1Rf	(0.F0F)	0.0++	0.090
12+	10.R2	0.+0	0.1Rf	(0.F02)	0.0++	0.090
12f	10.+0	0.+0	0.1Rf	(0.F00)	0.0++	0.090
12m	10.+8	0.fm	0.19+	(0.299)	0.0mR	0.121
128	10.fm	0.fm	0.19+	(0.298)	0.0mR	0.121
129	10.m+	0.fm	0.19+	(0.29f)	0.0mR	0.121
1F0	10.8F	0.fm	0.19+	(0.29+)	0.0mR	0.121
1F1	10.92	0.fm	0.19+	(0.29F)	0.0mR	0.121
1F2	11.00	0.fm	0.19+	(0.292)	0.0mR	0.121
1FF	11.08	0.fF	0.18+	(0.290)	0.0m0	0.11+
1FR	11.1m	0.fF	0.18+	(0.289)	0.0m0	0.11+
1F+	11.2+	0.fF	0.18+	(0.28m)	0.0m0	0.11+
1Ff	11.FF	0.fF	0.18+	(0.28f)	0.0m0	0.11+
1Fm	11.R2	0.fF	0.18+	(0.28+)	0.0m0	0.11+
1F8	11.+0	0.fF	0.18+	(0.28F)	0.0m0	0.11+
1F9	11.+8	0.+m	0.1f+	(0.282)	0.0fF	0.10F
1R0	11.fm	0.+m	0.1f+	(0.280)	0.0fF	0.10F
1R1	11.m+	0.+m	0.1f+	(0.2m9)	0.0fF	0.10F
1R2	11.8F	0.f0	0.1m+	(0.2m8)	0.0fM	0.109
1RF	11.92	0.f0	0.1m+	(0.2mf)	0.0fM	0.109
1RR	12.00	0.f0	0.1m+	(0.2m+)	0.0fM	0.109
1R+	12.08	0.8F	0.2RF	(0.2mF)	0.092	0.1+1
1Rf	12.1m	0.8F	0.2RF	(0.2m2)	0.092	0.1+1
1Rm	12.2+	0.8F	0.2RF	(0.2m1)	0.092	0.1+1
1R8	12.FF	0.8m	0.2+F	(0.2f9)	0.09f	0.1+m
1R9	12.R2	0.8m	0.2+F	(0.2f8)	0.09f	0.1+m
1+0	12.+0	0.8m	0.2+F	(0.2fm)	0.09f	0.1+m
1+1	12.+8	0.9F	0.2m2	(0.2f+)	0.10R	0.1f9
1+2	12.fm	0.9F	0.2m2	(0.2fR)	0.10R	0.1f9
1+F	12.m+	0.9F	0.2m2	(0.2fF)	0.10R	0.1f9
1+R	12.8F	0.9m	0.282	(0.2f1)	0.10m	0.1m+
1++	12.92	0.9m	0.282	(0.2f0)	0.10m	0.1m+
1+f	1F.00	0.9m	0.282	(0.2+9)	0.10m	0.1m+
1+m	1F.08	1.1F	0.FF1	(0.2+m)	0.12f	0.20+
1+8	1F.1m	1.1F	0.FF1	(0.2+f)	0.12f	0.20+
1+9	1F.2+	1.1F	0.FF1	(0.2++)	0.12f	0.20+
1F0	1F.FF	1.1F	0.FF1	(0.2+R)	0.12f	0.20+
1F1	1F.R2	1.1F	0.FF1	(0.2+2)	0.12f	0.20+

Pro1 5yr24hr

Page 3 of 9

1f2	1F.+0	1.1F	0.FF1	(0.2+1)	0.12f	0.20+
1fF	1F.+8	0.mm	0.22R	(0.2+0)	0.08+	0.1F9
1fR	1F.fm	0.mm	0.22R	(0.2R8)	0.08+	0.1F9
1f+	1F.m+	0.mm	0.22R	(0.2Rm)	0.08+	0.1F9
1ff	1F.8F	0.mm	0.22R	(0.2RF)	0.08+	0.1F9
1fm	1F.92	0.mm	0.22R	(0.2R+)	0.08+	0.1F9
1f8	1R.00	0.mm	0.22R	(0.2RF)	0.08+	0.1F9
1f9	1R.08	0.90	0.2fF	(0.2R2)	0.100	0.1fF
1m0	1R.1m	0.90	0.2fF	(0.2R1)	0.100	0.1fF
1m1	1R.2+	0.90	0.2fF	(0.2R0)	0.100	0.1fF
1m2	1R.FF	0.8m	0.2+f	(0.2F8)	0.09f	0.1+m
1mF	1R.R2	0.8m	0.2+f	(0.2Fm)	0.09f	0.1+m
1mR	1R.+0	0.8m	0.2+f	(0.2FF)	0.09f	0.1+m
1m+	1R.+8	0.8m	0.2+f	(0.2F+)	0.09f	0.1+m
1mf	1R.fm	0.8m	0.2+f	(0.2FR)	0.09f	0.1+m
1mm	1R.m+	0.8m	0.2+f	(0.2F2)	0.09f	0.1+m
1m8	1R.8F	0.8F	0.2RF	(0.2F1)	0.092	0.1+1
1m9	1R.92	0.8F	0.2RF	(0.2F0)	0.092	0.1+1
180	1+.00	0.8F	0.2RF	(0.229)	0.092	0.1+1
181	1+.08	0.80	0.2FR	(0.228)	0.089	0.1R+
182	1+.1m	0.80	0.2FR	(0.22f)	0.089	0.1R+
18F	1+.2+	0.80	0.2FR	(0.22+)	0.089	0.1R+
18R	1+.FF	0.mm	0.22R	(0.22R)	0.08+	0.1F9
18+	1+.R2	0.mm	0.22R	(0.22F)	0.08+	0.1F9
18f	1+.+0	0.mm	0.22R	(0.222)	0.08+	0.1F9
18m	1+.+8	0.fF	0.18+	(0.221)	0.0m0	0.11+
188	1+.fm	0.fF	0.18+	(0.220)	0.0m0	0.11+
189	1+.m+	0.fF	0.18+	(0.218)	0.0m0	0.11+
190	1+.8F	0.fF	0.18+	(0.21m)	0.0m0	0.11+
191	1+.92	0.fF	0.18+	(0.21f)	0.0m0	0.11+
192	1f.00	0.fF	0.18+	(0.21+)	0.0m0	0.11+
19F	1f.08	0.1F	0.0F9	(0.21R)	0.01+	0.02R
19R	1f.1m	0.1F	0.0F9	(0.21F)	0.01+	0.02R
19+	1f.2+	0.1F	0.0F9	(0.212)	0.01+	0.02R
19f	1f.FF	0.1F	0.0F9	(0.211)	0.01+	0.02R
19m	1f.R2	0.1F	0.0F9	(0.210)	0.01+	0.02R
198	1f.+0	0.1F	0.0F9	(0.209)	0.01+	0.02R
199	1f.+8	0.10	0.029	(0.208)	0.011	0.018
200	1f.fm	0.10	0.029	(0.20m)	0.011	0.018
201	1f.m+	0.10	0.029	(0.20+)	0.011	0.018
202	1f.8F	0.10	0.029	(0.20R)	0.011	0.018
20F	1f.92	0.10	0.029	(0.20f)	0.011	0.018
20R	1m.00	0.10	0.029	(0.202)	0.011	0.018
20+	1m.08	0.1m	0.0R9	(0.201)	0.018	0.0F0
20f	1m.1m	0.1m	0.0R9	(0.200)	0.018	0.0F0
20m	1m.2+	0.1m	0.0R9	(0.199)	0.018	0.0F0
208	1m.FF	0.1m	0.0R9	(0.198)	0.018	0.0F0
209	1m.R2	0.1m	0.0R9	(0.19m)	0.018	0.0F0
210	1m.+0	0.1m	0.0R9	(0.19f)	0.018	0.0F0
211	1m.+8	0.1m	0.0R9	(0.19+)	0.018	0.0F0
212	1m.fm	0.1m	0.0R9	(0.19R)	0.018	0.0F0
21F	1m.m+	0.1m	0.0R9	(0.19F)	0.018	0.0F0
21R	1m.8F	0.1F	0.0F9	(0.192)	0.01+	0.02R
21+	1m.92	0.1F	0.0F9	(0.192)	0.01+	0.02R
21f	18.00	0.1F	0.0F9	(0.191)	0.01+	0.02R
21m	18.08	0.1F	0.0F9	(0.190)	0.01+	0.02R
218	18.1m	0.1F	0.0F9	(0.189)	0.01+	0.02R
219	18.2+	0.1F	0.0F9	(0.188)	0.01+	0.02R
220	18.FF	0.1F	0.0F9	(0.18m)	0.01+	0.02R
221	18.R2	0.1F	0.0F9	(0.18f)	0.01+	0.02R
222	18.+0	0.1F	0.0F9	(0.18+)	0.01+	0.02R
22F	18.+8	0.10	0.029	(0.18R)	0.011	0.018
22R	18.fm	0.10	0.029	(0.18F)	0.011	0.018
22+	18.m+	0.10	0.029	(0.182)	0.011	0.018
22f	18.8F	0.0m	0.019	(0.182)	0.00m	0.012
22m	18.92	0.0m	0.019	(0.181)	0.00m	0.012
228	19.00	0.0m	0.019	(0.180)	0.00m	0.012
229	19.08	0.10	0.029	(0.1m9)	0.011	0.018
2F0	19.1m	0.10	0.029	(0.1m8)	0.011	0.018
2F1	19.2+	0.10	0.029	(0.1mm)	0.011	0.018
2F2	19.FF	0.1F	0.0F9	(0.1mf)	0.01+	0.02R
2FF	19.R2	0.1F	0.0F9	(0.1mf)	0.01+	0.02R
2FR	19.+0	0.1F	0.0F9	(0.1m+)	0.01+	0.02R
2F+	19.+8	0.10	0.029	(0.1mR)	0.011	0.018
2Ff	19.fm	0.10	0.029	(0.1mF)	0.011	0.018
2Fm	19.m+	0.10	0.029	(0.1m2)	0.011	0.018
2F8	19.8F	0.0m	0.019	(0.1m2)	0.00m	0.012
2F9	19.92	0.0m	0.019	(0.1m1)	0.00m	0.012
2R0	20.00	0.0m	0.019	(0.1m0)	0.00m	0.012
2R1	20.08	0.10	0.029	(0.1f9)	0.011	0.018
2R2	20.1m	0.10	0.029	(0.1f9)	0.011	0.018
2RF	20.2+	0.10	0.029	(0.1f8)	0.011	0.018
2RR	20.FF	0.10	0.029	(0.1fm)	0.011	0.018
2R+	20.R2	0.10	0.029	(0.1ff)	0.011	0.018
2Rf	20.+0	0.10	0.029	(0.1ff)	0.011	0.018
2Rm	20.+8	0.10	0.029	(0.1f+)	0.011	0.018
2R8	20.fm	0.10	0.029	(0.1fR)	0.011	0.018

Pro1 5yr24hr

Page 4 of 9

2v1+	0.0FR8	0.2R	QV				
2v20	0.0Ff+	0.2R	QV				
2v2+	0.0F81	0.2R	QV				
2vF0	0.0F98	0.2R	QV				
2vF+	0.0R1f	0.2m	Q				
2vR0	0.0RFm	0.29	Q				
2vR+	0.0R+m	0.F0	Q				
2v+0	0.0Rm8	0.F0	Q				
2v++	0.0R99	0.F0	Q				
Fv 0	0.0+19	0.F0	Q				
Fv +	0.0+R0	0.F0	Q				
Fv10	0.0+f1	0.F0	Q				
Fv1+	0.0+81	0.F0	Q				
Fv20	0.0f02	0.F0	Q				
Fv2+	0.0f2F	0.F0	QV				
FvF0	0.0fRF	0.F0	QV				
FvF+	0.0ffR	0.F0	QV				
FvR0	0.0f8+	0.F0	QV				
FvR+	0.0m0+	0.F0	QV				
Fv+0	0.0m28	0.FF	QV				
Fv++	0.0m+2	0.F+	QV				
Rv 0	0.0mmm	0.Ff	QV				
Rv +	0.0802	0.Ff	QV				
Rv10	0.082f	0.Ff	QV				
Rv1+	0.08+1	0.Ff	QV				
Rv20	0.08m8	0.F9	QV				
Rv2+	0.090f	0.R1	QV				
RvF0	0.09F+	0.R2	Q V				
RvF+	0.09fR	0.R2	Q V				
RvR0	0.099F	0.R2	Q V				
RvR+	0.1022	0.R2	Q V				
Rv+0	0.10+f	0.R+	Q V				
Rv++	0.108f	0.Rm	Q V				
+v 0	0.1118	0.R8	Q V				
+v +	0.11R8	0.R2	Q V				
+v10	0.11mF	0.Fm	Q V				
+v1+	0.1199	0.Ff	Q V				
+v20	0.122+	0.F9	Q V				
+v2+	0.12+R	0.R1	Q V				
+vF0	0.128F	0.R2	Q V				
+vF+	0.1F1F	0.R+	Q V				
+vR0	0.1FRf	0.Rm	Q V				
+vR+	0.1Fm9	0.R8	Q V				
+v+0	0.1R12	0.R8	Q V				
+v++	0.1RR+	0.R8	Q V				
fV 0	0.1Rm8	0.R8	Q V				
fV +	0.1+1F	0.+1	Q V				
fV10	0.1+0	0.+F	Q V				
fV1+	0.1+8m	0.+R	Q V				
fV20	0.1F2R	0.+R	Q V				
fV2+	0.1ff1	0.+R	Q V				
fVF0	0.1f99	0.+R	Q V				
fVF+	0.1mF8	0.+m	Q V				
fVR0	0.1mm9	0.+9	Q V				
fVR+	0.1820	0.f0	Q V				
fV+0	0.18f1	0.f0	Q V				
fV++	0.1902	0.f0	Q V				
mv 0	0.19RR	0.f0	Q V				
mv +	0.198+	0.f0	Q V				
mv10	0.202m	0.f0	Q V				
mv1+	0.20f8	0.f0	Q V				
mv20	0.2111	0.fF	Q V				
mv2+	0.21+f	0.f+	Q V				
mvF0	0.2201	0.ff	Q V				
mvF+	0.22R9	0.f9	Q V				
mvR0	0.2298	0.m1	Q V				
mvR+	0.2FRm	0.m2	Q V				
mv+0	0.2F99	0.m+	Q V				
mv++	0.2R+2	0.mm	Q V				
8v 0	0.2+0f	0.m8	Q V				
8v +	0.2+fF	0.8R	Q V				
8v10	0.2f2+	0.89	Q V				
8v1+	0.2f8f	0.90	Q V				
8v20	0.2mR8	0.90	Q V				
8v2+	0.2810	0.90	Q V				
8vF0	0.28m2	0.90	Q V				
8vF+	0.29Ff	0.9F	Q V				
8vR0	0.F002	0.9+	Q V				
8vR+	0.F0f8	0.9f	Q V				
8v+0	0.F1Ff	0.99	Q V				
8v++	0.F20f	1.01	Q V				
9v 0	0.F2mf	1.02	Q V				
9v +	0.FF+0	1.08	Q V				
9v10	0.FR28	1.1F	Q V				
9v1+	0.F+0f	1.1R	Q V				
9v20	0.F+8f	1.1m	Q V				
9v2+	0.Fff9	1.19	Q V				

9vF0	0.Fm+1	1.20	Q	V		
9vF+	0.F8FF	1.2F	Q	V		
9vR0	0.F922	1.2+	Q	V		
9vR+	0.R009	1.2F	Q	V		
9v+0	0.R098	1.29	Q	V		
9v++	0.R188	1.F1	Q	V		
10v 0	0.R2m9	1.F2	Q	V		
10v +	0.RF+f	1.1F	Q	V		
10v10	0.RR22	0.9+	Q	V		
10v1+	0.RR8+	0.91	Q	V		
10v20	0.R+Rm	0.90	Q	V		
10v2+	0.Rf09	0.90	Q	V		
10vF0	0.Rfm1	0.90	Q	V		
10vF+	0.RmR2	1.0R	Q	V		
10vR0	0.R82F	1.1m	Q	V		
10vR+	0.R90+	1.19	Q	V		
10v+0	0.R98m	1.20	Q	V		
10v++	0.+0m0	1.20	Q	V		
11v 0	0.+1+F	1.20	Q	V		
11v +	0.+2FR	1.1m	Q	V		
11v10	0.+F1F	1.1+	Q	V		
11v1+	0.+F91	1.1R	Q	V		
11v20	0.+Rm0	1.1R	Q	V		
11v2+	0.++R8	1.1R	Q	V		
11vF0	0.+f2m	1.1R	Q	V		
11vF+	0.+m02	1.09	Q	V		
11vR0	0.+mmF	1.0F	Q	V		
11vR+	0.+8RR	1.02	Q	V		
11v+0	0.+91f	1.0+	Q	V		
11v++	0.+990	1.0m	Q	V		
12v 0	0.f0fR	1.08	Q	V		
12v +	0.f1+2	1.28	Q	V		
12v10	0.f2+2	1.R+	Q	V		
12v1+	0.fF+R	1.R9	Q	V		
12v20	0.fRf0	1.+F	Q	V		
12v2+	0.f+fmm	1.++	Q	V		
12vF0	0.ffmR	1.+f	Q	V		
12vF+	0.fmm8+	1.f2	Q	V		
12vR0	0.f900	1.fmm	Q	V		
12vR+	0.m01f	1.f8	Q	V		
12v+0	0.m1FF	1.m1	Q	V		
12v++	0.m2+F	1.mF	Q	V		
1Fv 0	0.mFm2	1.mR	Q	V		
1Fv +	0.m+02	1.88	Q	V		
1Fv10	0.mFR0	2.01	Q	V		
1Fv1+	0.mmm80	2.0F	Q	V		
1Fv20	0.m921	2.0R	Q	V		
1Fv2+	0.80f1	2.0R	Q	V		
1FvF0	0.8202	2.0R	Q	V		
1FvF+	0.8F21	1.mR	Q	V		
1FvR0	0.8R22	1.Rf	Q	V		
1FvR+	0.8+18	1.R0	Q	V		
1Fv+0	0.8f1F	1.F8	Q	V		
1Fv++	0.8m08	1.F8	Q	V		
1Rv 0	0.880F	1.F8	Q	V		
1Rv +	0.890f	1.R9	Q	V		
1Rv10	0.901f	1.+9	Q	V		
1Rv1+	0.912m	1.f1	Q	V		
1Rv20	0.92Fm	1.+9	Q	V		
1Rv2+	0.9FR+	1.+m	Q	V		
1RvF0	0.9R+2	1.+f	Q	V		
1RvF+	0.9+f0	1.+f	Q	V		
1RvR0	0.9ffm	1.+f	Q	V		
1RvR+	0.9mm+	1.+f	Q	V		
1Rv+0	0.9880	1.+F	Q	V		
1Rv++	0.998R	1.+1	Q	V		
1+v 0	1.0088	1.+0	Q	V		
1+v +	1.0189	1.Rm	Q	V		
1+v10	1.0289	1.R+	Q	V		
1+v1+	1.0F88	1.RR	Q	V		
1+v20	1.0R8f	1.R1	Q	V		
1+v2+	1.0+81	1.F9	Q	V		
1+vF0	1.0fmmf	1.F8	Q	V		
1+vF+	1.0mfR	1.2m	Q	V		
1+vR0	1.08RR	1.1m	Q	V		
1+vR+	1.092F	1.1+	Q	V		
1+v+0	1.1002	1.1R	Q	V		
1+v++	1.1081	1.1R	Q	V		
1fv 0	1.11+9	1.1R	Q	V		
1fv +	1.1209	0.m2	Q	V		
1fv10	1.12FF	0.FR	Q	V		
1fv1+	1.12+1	0.2m	Q	V		
1fv20	1.12f8	0.2R	Q	V		
1fv2+	1.128R	0.2R	Q	V		
1fvF0	1.1F01	0.2R	Q	V		
1fvF+	1.1F1f	0.21	Q	V		
1fvR0	1.1F28	0.19	Q	V		

1fvR+	1.1FR1	0.18	Q				V
1fv+0	1.1F+F	0.18	Q				V
1fv++	1.1Fff	0.18	Q				V
1mv 0	1.1Fm8	0.18	Q				V
1mv +	1.1F9R	0.2R	Q				V
1mv10	1.1R1R	0.29	Q				V
1mv1+	1.1RF+	0.F0	Q				V
1mv20	1.1R++	0.F0	Q				V
1mv2+	1.1Rmf	0.F0	Q				V
1mvF0	1.1R9m	0.F0	Q				V
1mvF+	1.1+1m	0.F0	Q				V
1mvR0	1.1+F8	0.F0	Q				V
1mvR+	1.1++9	0.F0	Q				V
1mv+0	1.1+mm	0.2m	Q				V
1mv++	1.1+9R	0.2+	Q				V
18v 0	1.1f11	0.2R	Q				V
18v +	1.1f28	0.2R	Q				V
18v10	1.1fRR	0.2R	Q				V
18v1+	1.1ff1	0.2R	Q				V
18v20	1.1fmm	0.2R	Q				V
18v2+	1.1f9R	0.2R	Q				V
18vF0	1.1m10	0.2R	Q				V
18vF+	1.1m2+	0.21	Q				V
18vR0	1.1mF8	0.19	Q				V
18vR+	1.1m+0	0.18	Q				V
18v+0	1.1mf1	0.1+	Q				V
18v++	1.1mm0	0.1F	Q				V
19v 0	1.1mm8	0.12	Q				V
19v +	1.1m88	0.1+	Q				V
19v10	1.1800	0.1m	Q				V
19v1+	1.1812	0.18	Q				V
19v20	1.182m	0.21	Q				V
19v2+	1.18RF	0.2F	Q				V
19vF0	1.18+9	0.2R	Q				V
19vF+	1.18mR	0.21	Q				V
19vR0	1.188m	0.19	Q				V
19vR+	1.1899	0.18	Q				V
19v+0	1.1910	0.1+	Q				V
19v++	1.1918	0.1F	Q				V
20v 0	1.192m	0.12	Q				V
20v +	1.19Fm	0.1+	Q				V
20v10	1.19R9	0.1m	Q				V
20v1+	1.19f1	0.18	Q				V
20v20	1.19mR	0.18	Q				V
20v2+	1.198f	0.18	Q				V
20vF0	1.1998	0.18	Q				V
20vF+	1.2011	0.18	Q				V
20vR0	1.202F	0.18	Q				V
20vR+	1.20Ff	0.18	Q				V
20v+0	1.20Rf	0.1+	Q				V
20v++	1.20++	0.1F	Q				V
21v 0	1.20Ff	0.12	Q				V
21v +	1.20mF	0.1+	Q				V
21v10	1.208+	0.1m	Q				V
21v1+	1.2098	0.18	Q				V
21v20	1.2108	0.1+	Q				V
21v2+	1.211m	0.1F	Q				V
21vF0	1.212+	0.12	Q				V
21vF+	1.21F+	0.1+	Q				V
21vR0	1.21Rm	0.1m	Q				V
21vR+	1.21f0	0.18	Q				V
21v+0	1.21m0	0.1+	Q				V
21v++	1.21m9	0.1F	Q				V
22v 0	1.218m	0.12	Q				V
22v +	1.219m	0.1+	Q				V
22v10	1.2209	0.1m	Q				V
22v1+	1.2222	0.18	Q				V
22v20	1.22F2	0.1+	Q				V
22v2+	1.22R1	0.1F	Q				V
22vF0	1.22R9	0.12	Q				V
22vF+	1.22+8	0.12	Q				V
22vR0	1.22ff	0.12	Q				V
22vR+	1.22mR	0.12	Q				V
22v+0	1.2282	0.12	Q				V
22v++	1.2291	0.12	Q				V
2Fv 0	1.2299	0.12	Q				V
2Fv +	1.2F0m	0.12	Q				V
2Fv10	1.2F1+	0.12	Q				V
2Fv1+	1.2F2R	0.12	Q				V
2Fv20	1.2FF2	0.12	Q				V
2Fv2+	1.2FR0	0.12	Q				V
2FvF0	1.2FR9	0.12	Q				V
2FvF+	1.2F+m	0.12	Q				V
2FvR0	1.2Ff+	0.12	Q				V
2FvR+	1.2FmF	0.12	Q				V
2Fv+0	1.2F82	0.12	Q				V
2Fv++	1.2F90	0.12	Q				V

2Rv 0	1.2F98	0.12	Q				V
2Rv +	1.2R0F	0.0f	Q				V
2Rv10	1.2R0R	0.01	Q				V
2Rv1+	1.2R0R	0.00	Q				V

Unit Hydrograph Analysis

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Study date 0F/01/22 :illex pro110110.out

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Riverside County Synthetic Unit Hydrology Method
RC:C & WCD Manual date - April 1978

Program License Serial Number 5006

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Drainage Area = 9.87(Ac.) = 0.015 S3. Mi.
Drainage Area for Depth-Area Areal Adjustment = 9.87(Ac.) = 0.015 S3. Mi.
Length along longest watercourse = 1180.00(:t.)
Length along longest watercourse measured to centroid = 590.00(:t.)
Length along longest watercourse = 0.22F Mi.
Length along longest watercourse measured to centroid = 0.112 Mi.
Difference in elevation = 18.60(:t.)
Slope along watercourse = 8F.2271 :t./Mi.
Average Mannings wNw = 0.015
Lag time = 0.0F8 Hr.
Lag time = 2.29 Min.
254 of lag time = 0.57 Min.
'04 of lag time = 0.92 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered %ase :loj = 0.00(C:S)

2 BEAR Area rainfall datax

Area(Ac.)Y1[	Rainfall(In)Y2[	weightingY1]2[
9.87	0.50	1.9F

100 BEAR Area rainfall datax

Area(Ac.)Y1[	Rainfall(In)Y2[	weightingY1]2[
9.87	1.20	11.8

S*TRM EVEN* (BEAR) = 10.00
Area Averaged 2-Bear Rainfall = 0.500(In)
Area Averaged 100-Bear Rainfall = 1.200(In)

Point rain (area averaged) = 0.788(In)
Areal adjustment factor = 99.99 4
Adjusted average point rain = 0.788(In)

Sub-Area Datax
Area(Ac.) Runoff Inde0 Impervious 4
9.870 56.00 0.650
*otal Area Entered = 9.87(Ac.)

RI	RI	Infil. Rate	Impervious	Adq. Infil. Rate	Area4	:
AMC2	AMC-2	(In/Hr)	(Dec.4)	(In/Hr)	(Dec.)	(In/Hr)
56.0	56.0	0.511	0.650	0.212	1.000	0.212
					Sum (:)	= 0.212

Area averaged mean soil loss (:)(In/Hr) = 0.212
Minimum soil loss rate ((In/Hr)) = 0.106
(for 2' hour storm duration)
Soil loj loss rate (decimal) = 0.F80

Slope of intensity-duration curve for a 1 hour storm =0.5000

Unit Hydrograph
VALLEB S-Curve

Unit Hydrograph Data

Unit time period *ime 4 of lag Distribution Unit Hydrograph

Pro1 10yr1hr

Page 1 of 2

	(hrs)		Graph 4	(C:S)
1	0.08F	217.9F6	'6.FF7	'6.09
2	0.167	'F5.872	'2.1F5	'1.191
F	0.250	65F.809	8.112	0.807
'	0.FFF	871.7'5	F.'15	0.F'0
Sum = 100.000			Sum=	9.9'7

*he following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the ma0imum Effective Rain value

Unit	*ime (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Ma0 Loj	Effective (In/Hr)
1	0.08	'1.20	0.F97	(0.212)	0.151
2	0.17	'1.F0	0.'07	(0.212)	0.15'
F	0.25	5.00	0.'7F	(0.212)	0.180
'	0.FF	5.00	0.'7F	(0.212)	0.180
5	0.'2	5.80	0.5'8	(0.212)	0.208
6	0.50	6.50	0.615	0.212 (0.2F')	0.'0F
7	0.58	7.'0	0.700	0.212 (0.266)	0.'88
8	0.67	8.60	0.81F	0.212 (0.F09)	0.601
9	0.75	12.F0	1.16F	0.212 (0.'12)	0.951
10	0.8F	29.10	2.751	0.212 (1.0'6)	2.5F9
11	0.92	6.80	0.6'F	0.212 (0.2'')	0.'F1
12	1.00	5.00	0.'7F	(0.212)	0.180

Sum = 100.0 (Loss Rate Not Used) Sum = 7.1
:lood volume = Effective rainfall 0.59(In)
times area 9.9(Ac.)/Y(In)/(t.)[= 0.5(Ac.:t)
*otal soil loss = 0.19(In)
*otal soil loss = 0.159(Ac.:t)
*otal rainfall = 0.79(In)
:lood volume = 21289.0 Cubic :eet
*otal soil loss = 69'0.5 Cubic :eet

Peak floj rate of this hydrograph = 16.F50(C:S)

1 - H T U R S * T R M
R u n o f f H y d r o g r a p h

*ime(h+m)	Volume	Ac.:t	Q(C:S)	0	5.0	10.0	15.0	20.0
0+ 5	0.0078	1.1'	V Q					
0+10	0.0229	2.19	V Q					
0+15	0.0'09	2.61	V Q					
0+20	0.0606	2.87	V Q					
0+25	0.0821	F.12	Q V					
0+F0	0.1071	F.62	Q V					
0+F5	0.1F67	'1.F1	Q					
0+'0	0.17F0	5.26	Q					
0+'5	0.22'2	7.'1	Q					
0+50	0.FF68	16.F5	Q					
0+55	0.'F05	1F.61	Q					
1+ 0	0.'686	5.5F	Q					
1+ 5	0.'85'	2.'1	Q					
1+10	0.'880	0.F8	Q					
1+15	0.'887	0.10	Q					

Unit Hydrograph Analysis

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Study date 0F/01/22 :illex pro110F10.out

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Riverside County Synthetic Unit Hydrology Method
RC:C & WCD Manual date - April 1978

Program License Serial Number 5006

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Drainage Area = 9.87(Ac.) = 0.015 S3. Mi.
Drainage Area for Depth-Area Areal Adjustment = 9.87(Ac.) = 0.015 S3. Mi.
Length along longest watercourse = 1180.00(:t.)
Length along longest watercourse measured to centroid = 590.00(:t.)
Length along longest watercourse = 0.22F Mi.
Length along longest watercourse measured to centroid = 0.112 Mi.
Difference in elevation = 18.60(:t.)
Slope along watercourse = 8F.2271 :t./Mi.
Average Mannings wNw = 0.015
Lag time = 0.0F8 Hr.
Lag time = 2.29 Min.
254 of lag time = 0.57 Min.
104 of lag time = 0.92 Min.
Unit time = 5.00 Min.
Duration of storm = F Hour(s)
User Entered %ase :loj = 0.00(C:S)

2 BEAR Area rainfall datax

Area(Ac.)Y1[	Rainfall(In)Y2[	weightingY1]2[
9.87	0.80	7.90

100 BEAR Area rainfall datax

Area(Ac.)Y1[	Rainfall(In)Y2[	weightingY1]2[
9.87	1.90	18.75

S*TRM EVEN* (BEAR) = 10.00
Area Averaged 2-Bear Rainfall = 0.800(In)
Area Averaged 100-Bear Rainfall = 1.900(In)

Point rain (area averaged) = 1.25F(In)
Areal adjustment factor = 100.00 4
Adjusted average point rain = 1.252(In)

Sub-Area Datax
Area(Ac.) Runoff Inde0 Impervious 4
9.870 56.00 0.650
*otal Area Entered = 9.87(Ac.)

RI	RI	Infil. Rate	Impervious	Adq. Infil. Rate	Area4	:
AMC2	AMC-2	(In/Hr)	(Dec.4)	(In/Hr)	(Dec.)	(In/Hr)
56.0	56.0	0.511	0.650	0.212	1.000	0.212
					Sum (:)	= 0.212

Area averaged mean soil loss (:)(In/Hr) = 0.212
Minimum soil loss rate ((In/Hr)) = 0.106
(for 2' hour storm duration)
Soil loj loss rate (decimal) = 0.F80

Unit Hydrograph VALLEB S-Curve

Unit Hydrograph Data

Unit time period	*ime 4 of lag	Distribution	Unit Hydrograph
(hrs)		Graph 4	(C:S)

1	0.08F	217.9F6	'6.FF7	'6.609
2	0.167	'F5.872	'2.1F5	'1.191
F	0.250	65F.809	8.112	0.807
'	0.FFF	871.7'5	F.'15	0.F'0
Sum = 100.000			Sum=	9.9'7

*he following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the ma0imum Effective Rain value

Unit	*ime (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Mao	Loj	Effective (In/Hr)
1	0.08	1.F0	0.195	(0.212)	0.07'	0.121
2	0.17	1.F0	0.195	(0.212)	0.07'	0.121
F	0.25	1.10	0.165	(0.212)	0.06F	0.10F
'	0.FF	1.50	0.225	(0.212)	0.086	0.1'0
5	0.'2	1.50	0.225	(0.212)	0.086	0.1'0
6	0.50	1.80	0.271	(0.212)	0.10F	0.168
7	0.58	1.50	0.225	(0.212)	0.086	0.1'0
8	0.67	1.80	0.271	(0.212)	0.10F	0.168
9	0.75	1.80	0.271	(0.212)	0.10F	0.168
10	0.8F	1.50	0.225	(0.212)	0.086	0.1'0
11	0.92	1.60	0.2'0	(0.212)	0.091	0.1'9
12	1.00	1.80	0.271	(0.212)	0.10F	0.168
1F	1.08	2.20	0.FF1	(0.212)	0.126	0.205
1'	1.17	2.20	0.FF1	(0.212)	0.126	0.205
15	1.25	2.20	0.FF1	(0.212)	0.126	0.205
16	1.FF	2.00	0.F01	(0.212)	0.11'	0.186
17	1.'2	2.60	0.F91	(0.212)	0.1'8	0.2'2
18	1.50	2.70	0.'06	(0.212)	0.15'	0.252
19	1.58	2.'0	0.F61	(0.212)	0.1F7	0.22'
20	1.67	2.70	0.'06	(0.212)	0.15'	0.252
21	1.75	F.F0	0.'96	(0.212)	0.188	0.F08
22	1.8F	F.10	0.'66	(0.212)	0.177	0.289
2F	1.92	2.90	0.'F6	(0.212)	0.166	0.270
2'	2.00	F.00	0.'51	(0.212)	0.171	0.280
25	2.08	F.10	0.'66	(0.212)	0.177	0.289
26	2.17	'20	0.6F1	0.212 (0.2'0)		0.'19
27	2.25	5.00	0.751	0.212 (0.286)		0.5'0
28	2.FF	F.50	0.526	(0.212)	0.200	0.F26
29	2.'2	6.80	1.022	0.212 (0.F88)		0.810
F0	2.50	7.F0	1.097	0.212 (0.'17)		0.885
F1	2.58	8.20	1.2F2	0.212 (0.'68)		1.020
F2	2.67	5.90	0.887	0.212 (0.FF7)		0.675
FF	2.75	2.00	0.F01	(0.212)	0.11'	0.186
F'	2.8F	1.80	0.271	(0.212)	0.10F	0.168
F5	2.92	1.80	0.271	(0.212)	0.10F	0.168
F6	F.00	0.60	0.090	(0.212)	0.0F'	0.056

Sum = 100.0 (Loss Rate Not Used) Sum = 10.2
:lood volume = Effective rainfall 0.85(In)
times area 9.9(Ac.)/(In)/(t.)[= 0.7(Ac.:t)
*otal soil loss = 0.'0(In)
*otal soil loss = 0.FF2(Ac.:t)
*otal rainfall = 1.25(In)
:lood volume = F0'02.F Cubic :eet
*otal soil loss = 1'72.2 Cubic :eet

Peak floj rate of this hydrograph = 9.18F(C:S)

+++++ F - H T U R S * T R M +++++
R u n o f f H y d r o g r a p h
Hydrograph in 5 Minute intervals ((C:S))

*ime(h+m)	Volume Ac.:t	Q(C:S)	0	2.5	5.0	7.5	10.0
0+ 5	0.00F8	0.56	V Q				
0+10	0.0112	1.07	V Q				
0+15	0.0186	1.08	V Q				
0+20	0.0270	1.21	V Q				
0+25	0.0F6F	1.F5	V Q				
0+F0	0.0'67	1.51	V Q				
0+F5	0.0571	1.51	V Q				
0+'0	0.0677	1.5'	V Q				
0+'5	0.0790	1.65	V Q				
0+50	0.0896	1.5F	VQ				
0+55	0.0997	1.'7	V Q				
1+ 0	0.1105	1.57	V Q				
1+ 5	0.12F0	1.82	V Q				
1+10	0.1F67	1.99	V Q				
1+15	0.1507	2.0F	V Q				
1+20	0.16'1	1.95	V Q				
1+25	0.1788	2.1F	V Q				

1+F0	0.195F	2.'0		Q	V			
1+F5	0.2115	2.F5		Q	V			
1+'0	0.2279	2.F8		Q	V			
1+'5	0.2'68	2.7'		Q	V			
1+50	0.2667	2.90		Q	V			
1+55	0.2860	2.79		Q	V			
2+ 0	0.F050	2.76		Q	V			
2+ 5	0.F2''	2.82		Q	V			
2+10	0.F'8F	F.'6		Q	V			
2+15	0.F798	' .57		Q	V			
2+20	0.'087	' .20		Q	V			
2+25	0.' '78	5.68		Q	V			
2+F0	0.502'	7.9F		Q	V			
2+F5	0.5657	9.18		Q	V			
2+'0	0.62F'	8.F8		Q	V			
2+'5	0.6565	' .81		Q	V			
2+50	0.67F'	2.'5		Q	V			
2+55	0.6862	1.86		Q	V			
F+ 0	0.69'2	1.16		Q	V			
F+ 5	0.6971	0.'F		Q	V			
F+10	0.6978	0.10	Q	Q	V			
F+15	0.6979	0.02	Q	Q	V			

Unit Hydrograph Analysis

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Study date 03/01/22 File: pro110610.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 5006

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Drainage Area = 9.87 (Ac.) = 0.015 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 9.87 (Ac.) = 0.015 Sq. Mi.
Length along longest watercourse = 1180.00 (Ft.)
Length along longest watercourse measured to centroid = 590.00 (Ft.)
Length along longest watercourse = 0.223 Mi.
Length along longest watercourse measured to centroid = 0.112 Mi.
Difference in elevation = 18.60 (Ft.)
Slope along watercourse = 83.2271 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.038 Hr.
Lag time = 2.29 Min.
25% of lag time = 0.57 Min.
40% of lag time = 0.92 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00 (CFS)

2 YEAR Area rainfall data:

Area (Ac.) [1]	Rainfall (In) [2]	Weighting [1*2]
9.87	1.20	11.84

100 YEAR Area rainfall data:

Area (Ac.) [1]	Rainfall (In) [2]	Weighting [1*2]
9.87	2.50	24.67

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.200 (In)
Area Averaged 100-Year Rainfall = 2.500 (In)

Point rain (area averaged) = 1.735 (In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.735 (In)

Sub-Area Data:
Area (Ac.) Runoff Index Impervious %
9.870 56.00 0.650
Total Area Entered = 9.87 (Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
56.0	56.0	0.511	0.650	0.212	1.000	0.212
Sum (F) =						0.212

Area averaged mean soil loss (F) (In/Hr) = 0.212
Minimum soil loss rate ((In/Hr)) = 0.106
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.380

Unit Hydrograph				
VALLEY S-Curve				
Unit Hydrograph Data				
Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)	
1	0.083	217.936	46.337	4.609
2	0.167	435.872	42.135	4.191
3	0.250	653.809	8.112	0.807
4	0.333	871.745	3.415	0.340
		Sum = 100.000	Sum=	9.947

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
			Max	Low	
1	0.08	0.50	(0.212)	0.040	0.065
2	0.17	0.60	(0.212)	0.047	0.077
3	0.25	0.60	(0.212)	0.047	0.077
4	0.33	0.60	(0.212)	0.047	0.077
5	0.42	0.60	(0.212)	0.047	0.077
6	0.50	0.70	(0.212)	0.055	0.090
7	0.58	0.70	(0.212)	0.055	0.090
8	0.67	0.70	(0.212)	0.055	0.090
9	0.75	0.70	(0.212)	0.055	0.090
10	0.83	0.70	(0.212)	0.055	0.090
11	0.92	0.70	(0.212)	0.055	0.090
12	1.00	0.80	(0.212)	0.063	0.103
13	1.08	0.80	(0.212)	0.063	0.103
14	1.17	0.80	(0.212)	0.063	0.103
15	1.25	0.80	(0.212)	0.063	0.103
16	1.33	0.80	(0.212)	0.063	0.103
17	1.42	0.80	(0.212)	0.063	0.103
18	1.50	0.80	(0.212)	0.063	0.103
19	1.58	0.80	(0.212)	0.063	0.103
20	1.67	0.80	(0.212)	0.063	0.103
21	1.75	0.80	(0.212)	0.063	0.103
22	1.83	0.80	(0.212)	0.063	0.103
23	1.92	0.80	(0.212)	0.063	0.103
24	2.00	0.90	(0.212)	0.071	0.116
25	2.08	0.80	(0.212)	0.063	0.103
26	2.17	0.90	(0.212)	0.071	0.116
27	2.25	0.90	(0.212)	0.071	0.116
28	2.33	0.90	(0.212)	0.071	0.116
29	2.42	0.90	(0.212)	0.071	0.116
30	2.50	0.90	(0.212)	0.071	0.116
31	2.58	0.90	(0.212)	0.071	0.116
32	2.67	0.90	(0.212)	0.071	0.116
33	2.75	1.00	(0.212)	0.079	0.129
34	2.83	1.00	(0.212)	0.079	0.129
35	2.92	1.00	(0.212)	0.079	0.129
36	3.00	1.00	(0.212)	0.079	0.129
37	3.08	1.00	(0.212)	0.079	0.129
38	3.17	1.10	(0.212)	0.087	0.142
39	3.25	1.10	(0.212)	0.087	0.142
40	3.33	1.10	(0.212)	0.087	0.142
41	3.42	1.20	(0.212)	0.095	0.155
42	3.50	1.30	(0.212)	0.103	0.168
43	3.58	1.40	(0.212)	0.111	0.181
44	3.67	1.40	(0.212)	0.111	0.181
45	3.75	1.50	(0.212)	0.119	0.194
46	3.83	1.50	(0.212)	0.119	0.194
47	3.92	1.60	(0.212)	0.127	0.207
48	4.00	1.60	(0.212)	0.127	0.207
49	4.08	1.70	(0.212)	0.134	0.219
50	4.17	1.80	(0.212)	0.142	0.232
51	4.25	1.90	(0.212)	0.150	0.245
52	4.33	2.00	(0.212)	0.158	0.258
53	4.42	2.10	(0.212)	0.166	0.271
54	4.50	2.10	(0.212)	0.166	0.271

Pro1 10yr6hr

Page 2 of 4

55	4.58	2.20	0.458	(0.212)	0.174	0.284
56	4.67	2.30	0.479	(0.212)	0.182	0.297
57	4.75	2.40	0.500	(0.212)	0.190	0.310
58	4.83	2.40	0.500	(0.212)	0.190	0.310
59	4.92	2.50	0.520	(0.212)	0.198	0.323
60	5.00	2.60	0.541	(0.212)	0.206	0.336
61	5.08	3.10	0.645	0.212 (0.245)		0.433
62	5.17	3.60	0.749	0.212 (0.285)		0.537
63	5.25	3.90	0.812	0.212 (0.309)		0.600
64	5.33	4.20	0.874	0.212 (0.332)		0.662
65	5.42	4.70	0.978	0.212 (0.372)		0.766
66	5.50	5.60	1.166	0.212 (0.443)		0.954
67	5.58	1.90	0.396	(0.212)	0.150	0.245
68	5.67	0.90	0.187	(0.212)	0.071	0.116
69	5.75	0.60	0.125	(0.212)	0.047	0.077
70	5.83	0.50	0.104	(0.212)	0.040	0.065
71	5.92	0.30	0.062	(0.212)	0.024	0.039
72	6.00	0.20	0.042	(0.212)	0.016	0.026

(Loss Rate Not Used)

Sum = 100.0 Sum = 13.6

Flood volume = Effective rainfall 1.14(In)
times area 9.9(Ac.)/[(In)/(Ft.)] = 0.9(Ac.Ft)
Total soil loss = 0.60(In)
Total soil loss = 0.493(Ac.Ft)
Total rainfall = 1.73(In)
Flood volume = 40666.0 Cubic Feet
Total soil loss = 21487.6 Cubic Feet

Peak flow rate of this hydrograph = 8.351(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time (h+m)	Volume	Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0020	0.30	VQ					
0+10	0.0064	0.63	V Q					
0+15	0.0114	0.73	V Q					
0+20	0.0167	0.77	V Q					
0+25	0.0220	0.77	V Q					
0+30	0.0277	0.83	V Q					
0+35	0.0338	0.88	V Q					
0+40	0.0400	0.89	V Q					
0+45	0.0462	0.90	V Q					
0+50	0.0524	0.90	VQ					
0+55	0.0586	0.90	VQ					
1+ 0	0.0652	0.96	VQ					
1+ 5	0.0721	1.01	VQ					
1+10	0.0792	1.02	VQ					
1+15	0.0863	1.03	VQ					
1+20	0.0933	1.03	VQ					
1+25	0.1004	1.03	Q					
1+30	0.1075	1.03	Q					
1+35	0.1146	1.03	Q					
1+40	0.1216	1.03	QV					
1+45	0.1287	1.03	QV					
1+50	0.1358	1.03	QV					
1+55	0.1429	1.03	Q V					
2+ 0	0.1504	1.09	Q V					
2+ 5	0.1578	1.08	Q V					
2+10	0.1654	1.10	Q V					
2+15	0.1733	1.15	Q V					
2+20	0.1812	1.15	Q V					
2+25	0.1892	1.16	Q V					
2+30	0.1971	1.16	Q V					
2+35	0.2051	1.16	Q V					
2+40	0.2130	1.16	Q V					
2+45	0.2214	1.22	Q V					
2+50	0.2302	1.27	Q V					
2+55	0.2390	1.28	Q V					
3+ 0	0.2478	1.28	Q V					
3+ 5	0.2567	1.28	Q V					
3+10	0.2659	1.34	Q V					

Pro1 10yr6hr

Page 3 of 4

3+15	0.2756	1.40		Q		V					
3+20	0.2853	1.41		Q		V					
3+25	0.2954	1.47		Q		V					
3+30	0.3063	1.59		Q		V					
3+35	0.3181	1.71		Q		V					
3+40	0.3304	1.78		Q		V					
3+45	0.3431	1.85		Q		V					
3+50	0.3563	1.91		Q		V					
3+55	0.3699	1.98		Q		V					
4+ 0	0.3840	2.04		Q		V					
4+ 5	0.3985	2.11		Q		V					
4+10	0.4139	2.23		Q		V					
4+15	0.4301	2.35		Q		V					
4+20	0.4472	2.48		Q		V					
4+25	0.4651	2.61		Q		V					
4+30	0.4836	2.68		Q		V					
4+35	0.5025	2.75		Q		V					
4+40	0.5223	2.87		Q		V					
4+45	0.5429	2.99		Q		V					
4+50	0.5640	3.06		Q		V					
4+55	0.5856	3.14		Q		V					
5+ 0	0.6081	3.26		Q		V					
5+ 5	0.6340	3.77		Q		V					
5+10	0.6662	4.68		Q		V					
5+15	0.7040	5.48		Q		V					
5+20	0.7464	6.15		Q		V					
5+25	0.7944	6.98		Q		V					
5+30	0.8520	8.35		Q		V					
5+35	0.8931	5.97		Q		V					
5+40	0.9110	2.59		Q		V					
5+45	0.9204	1.37		Q		V					
5+50	0.9259	0.80		Q		V					
5+55	0.9297	0.55		Q		V					
6+ 0	0.9322	0.36		Q		V					
6+ 5	0.9333	0.16		Q		V					
6+10	0.9335	0.03		Q		V					
6+15	0.9336	0.01		Q		V					

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Study date 0F/01/22 :ilex pro1102+10.out

viMerside County Synthetic Unit Hydrology &ethod
vC:C W 7CD &annual date - April 19P8

English (in-15) Input Units Used
English vain=all Data (Inches) Input Values Used
English Units used in output =orbat

```

Drainage Area 3      9.8P(Ac.) 3      0.016 Sq. &i.
Drainage Area =or Depth-Area Area Adjustbent 3      9.8P(Ac.) 3      0.016 Sq. &i.
Length along longest watercourse 3      1180.00(:t.)
Length along longest watercourse beasured to centroid 3      690.00(:t.)
Length along longest watercourse 3      0.22F &i.
Length along longest watercourse beasured to centroid 3      0.112 &i.
Di=ifference in elevation 3      18.f0(:t.)
Slope along watercourse 3      8F.22P1 :t./&i.
AMerage &anning4s 4N4 3 0.016
Lag tibe 3      0.0F8 Hr.
Lag tibe 3      2.29 &i.
26' o= lag tibe 3      0.6P &i.
+0' o= lag tibe 3      0.92 &i.
Unit tibe 3      6.00 &i.
Duration o= storb 3 2+ Hour(s)
User Entered %ase :low 3      0.00(C:S)

```

Area(Ac.)Y1[9.8P	vain=all(In)Y2[1.80	7eightingY1]2[1P.PP

Area(Ac.)Y1[9.8P	vain=all(In)Y2[+.60	7eightingY1]2[++.+1

S*TV& EVEN* (BEAV) 3 10.00
Area AMerged 2-Bear vain=all 3 1.800(In)
Area AMerged 100-Bear vain=all 3 +.600(In)

```

point rain (area aMeraged) 3      2.911(In)
Area1 adjustbent =actor 3 100.00 '
Adjusted aMerage point rain 3      2.911(In)

```

```

Su5-Area Datax
Area(Ac.)      vuno== Inde0   IbperMious '
9.8P0          6f.00      0.f60
*otal Area Entered 3      9.8P(Ac.)

```

VI	VI	In=il. vate	Iberpmious	Adj. In=il. vate	Area'	:
A&C2	A&C-2	(In/Hr)	(Dec.')	(In/Hr)	(Dec.)	(In/Hr)
6f.0	6f.0	0.611	0.f60	0.212	1.000	0.212
					Sub (:)	3 0.212

Area aMerged bean soil loss (:) (In/Hr) 3 0.212
&inibub soil loss rate ((In/Hr)) 3 0.10f
(=or 2+ hour storb duration)
Soil low loss rate (decibal) 3 0.F80

Unit Hydrograph
VALLEB S-CurMe

Unit Hydrograph Data

Unit time period (hrs)	*ibe ' o= lag	Distribution Graph '	Unit Hydrograph (C:S)

1	0.08F	21P.9Ff	+f.FFP	+.f09
2	0.1fP	+F6.8P2	+2.1fF6	+.191
F	0.260	f6F.809	8.112	0.80P
+	0.FFF	8P1.P+6	F.+16	0.F+0
		Sub 3	100.000	Sub3
				9.9+P

*he =ollowing loss rate calculations re=lect use o= the binibub calculated loss
rate su5tracted =rob the Storb vain to produce the ba0ibub E==ectiMe vain Malue

Unit	*ibe (Hr.)	mattern mercent	Storb vain (In/Hr)	Loss rate(In./Hr) &a0 Low	E==ectiMe (In/Hr)
1	0.08	0.0P	0.02F	(0.FPF)	0.009
2	0.1P	0.0P	0.02F	(0.FP+)	0.009
F	0.26	0.0P	0.02F	(0.FPF)	0.009
+	0.FF	0.10	0.0F6	(0.FP1)	0.01F
6	0.+2	0.10	0.0F6	(0.FP0)	0.01F
f	0.60	0.10	0.0F6	(0.Ff9)	0.01F
P	0.68	0.10	0.0F6	(0.FfP)	0.01F
8	0.fP	0.10	0.0F6	(0.Fff)	0.01F
9	0.P6	0.10	0.0F6	(0.Ff+)	0.01F
10	0.8F	0.1F	0.0+P	(0.FfF)	0.018
11	0.92	0.1F	0.0+P	(0.Ff1)	0.018
12	1.00	0.1F	0.0+P	(0.Ff0)	0.018
1F	1.08	0.10	0.0F6	(0.F69)	0.01F
1+	1.1P	0.10	0.0F6	(0.F6P)	0.01F
16	1.26	0.10	0.0F6	(0.F6F)	0.01F
1f	1.FF	0.10	0.0F6	(0.F6+)	0.01F
1P	1.+2	0.10	0.0F6	(0.F6F)	0.01F
18	1.60	0.10	0.0F6	(0.F61)	0.01F
19	1.68	0.10	0.0F6	(0.F60)	0.01F
20	1.fP	0.10	0.0F6	(0.F+9)	0.01F
21	1.P6	0.10	0.0F6	(0.F+P)	0.01F
22	1.8F	0.1F	0.0+P	(0.F+f)	0.018
2F	1.92	0.1F	0.0+P	(0.F++)	0.018
2+	2.00	0.1F	0.0+P	(0.F+f)	0.018
26	2.08	0.1F	0.0+P	(0.F+2)	0.018
2f	2.1P	0.1F	0.0+P	(0.F+0)	0.018
2P	2.26	0.1F	0.0+P	(0.FF9)	0.018
28	2.FF	0.1F	0.0+P	(0.FF8)	0.018
29	2.+2	0.1F	0.0+P	(0.FFf)	0.018
F0	2.60	0.1F	0.0+P	(0.FF6)	0.018
F1	2.68	0.1P	0.068	(0.FFF)	0.022
F2	2.fP	0.1P	0.068	(0.FF2)	0.022
FF	2.P6	0.1P	0.068	(0.FF1)	0.022
F+	2.8F	0.1P	0.068	(0.F29)	0.022
F6	2.92	0.1P	0.068	(0.F28)	0.022
Ff	F.00	0.1P	0.068	(0.F2P)	0.022
FP	F.08	0.1P	0.068	(0.F26)	0.022
F8	F.1P	0.1P	0.068	(0.F2+)	0.022
F9	F.26	0.1P	0.068	(0.F2F)	0.022
+0	F.FF	0.1P	0.068	(0.F21)	0.022
+1	F.+2	0.1P	0.068	(0.F20)	0.022
+2	F.60	0.1P	0.068	(0.F19)	0.022
+F	F.68	0.1P	0.068	(0.F1P)	0.022
++	F.fP	0.1P	0.068	(0.F1f)	0.022
+6	F.P6	0.1P	0.068	(0.F16)	0.022
+f	F.8F	0.20	0.0P0	(0.F1F)	0.02P
+P	F.92	0.20	0.0P0	(0.F12)	0.02P
+8	+.00	0.20	0.0P0	(0.F11)	0.02P
+9	+.08	0.20	0.0P0	(0.F09)	0.02P
60	+.1P	0.20	0.0P0	(0.F08)	0.02P
61	+.26	0.20	0.0P0	(0.F0P)	0.02P
62	+.FF	0.2F	0.082	(0.F06)	0.0F1
6F	+.+2	0.2F	0.082	(0.F0+)	0.0F1
6+	+.60	0.2F	0.082	(0.F0F)	0.0F1
66	+.68	0.2F	0.082	(0.F01)	0.0F1
6f	+.fP	0.2F	0.082	(0.F00)	0.0F1
6P	+.P6	0.2F	0.082	(0.299)	0.0F1
68	+.8F	0.2P	0.09F	(0.298)	0.0F6
69	+.92	0.2P	0.09F	(0.29f)	0.0F6
f0	6.00	0.2P	0.09F	(0.296)	0.0F6
f1	6.08	0.20	0.0P0	(0.29+)	0.02P
f2	6.1P	0.20	0.0P0	(0.292)	0.02P
ff	6.26	0.20	0.0P0	(0.291)	0.02P
f+	6.FF	0.2F	0.082	(0.290)	0.0F1
f6	6.+2	0.2F	0.082	(0.289)	0.0F1
ff	6.60	0.2F	0.082	(0.28P)	0.0F1
fP	6.68	0.2P	0.09F	(0.28f)	0.0F6
f8	6.fP	0.2P	0.09F	(0.286)	0.0F6
f9	6.P6	0.2P	0.09F	(0.28+)	0.0F6
P0	6.8F	0.2P	0.09F	(0.282)	0.0F6
P1	6.92	0.2P	0.09F	(0.281)	0.0F6
P2	f.00	0.2P	0.09F	(0.280)	0.0F6
PF	f.08	0.F0	0.106	(0.2P9)	0.0+0
P+	f.1P	0.F0	0.106	(0.2PP)	0.0+0

P6	f.26	0.F0	0.106	(0.2Pf)	0.0+0	0.0f6
Pf	f.FF	0.F0	0.106	(0.2P6)	0.0+0	0.0f6
PP	f.+2	0.F0	0.106	(0.2P+)	0.0+0	0.0f6
P8	f.60	0.F0	0.106	(0.2P2)	0.0+0	0.0f6
P9	f.68	0.FF	0.11f	(0.2P1)	0.0++	0.0P2
80	f.fP	0.FF	0.11f	(0.2P0)	0.0++	0.0P2
81	f.p6	0.FF	0.11f	(0.2f9)	0.0++	0.0P2
82	f.8f	0.FF	0.11f	(0.2f8)	0.0++	0.0P2
8f	f.92	0.FF	0.11f	(0.2ff)	0.0++	0.0P2
8+	P.00	0.FF	0.11f	(0.2f6)	0.0++	0.0P2
86	P.08	0.FF	0.11f	(0.2f+)	0.0++	0.0P2
8f	P.1P	0.FF	0.11f	(0.2ff)	0.0++	0.0P2
8P	P.26	0.FF	0.11f	(0.2f2)	0.0++	0.0P2
88	P.FF	0.FP	0.128	(0.2f0)	0.0+9	0.0P9
89	P.+2	0.FP	0.128	(0.269)	0.0+9	0.0P9
90	P.60	0.FP	0.128	(0.268)	0.0+9	0.0P9
91	P.68	0.+0	0.1+0	(0.26P)	0.06F	0.08P
92	P.fP	0.+0	0.1+0	(0.26f)	0.06F	0.08P
9f	P.p6	0.+0	0.1+0	(0.26+)	0.06F	0.08P
9+	P.8f	0.+F	0.161	(0.26f)	0.068	0.09+
96	P.92	0.+F	0.161	(0.262)	0.068	0.09+
9f	8.00	0.+F	0.161	(0.261)	0.068	0.09+
9P	8.08	0.60	0.1P6	(0.260)	0.0ff	0.108
98	8.1P	0.60	0.1P6	(0.2+9)	0.0ff	0.108
99	8.26	0.60	0.1P6	(0.2+P)	0.0ff	0.108
100	8.FF	0.60	0.1P6	(0.2+f)	0.0ff	0.108
101	8.+2	0.60	0.1P6	(0.2+6)	0.0ff	0.108
102	8.60	0.60	0.1P6	(0.2++)	0.0ff	0.108
10f	8.68	0.6f	0.18f	(0.2+f)	0.0P1	0.116
10+	8.fP	0.6f	0.18f	(0.2+2)	0.0P1	0.116
106	8.p6	0.6f	0.18f	(0.2+1)	0.0P1	0.116
10f	8.8f	0.6P	0.198	(0.2f9)	0.0P6	0.12f
10P	8.92	0.6P	0.198	(0.2f8)	0.0P6	0.12f
108	9.00	0.6P	0.198	(0.2fP)	0.0P6	0.12f
109	9.08	0.ff	0.221	(0.2ff)	0.08+	0.1fP
110	9.1P	0.ff	0.221	(0.2f6)	0.08+	0.1fP
111	9.26	0.ff	0.221	(0.2f+)	0.08+	0.1fP
112	9.FF	0.fP	0.2FF	(0.2ff)	0.088	0.1++
11f	9.+2	0.fP	0.2FF	(0.2f2)	0.088	0.1++
11+	9.60	0.fP	0.2FF	(0.2f0)	0.088	0.1++
116	9.68	0.P0	0.2+6	(0.229)	0.09f	0.162
11f	9.fP	0.P0	0.2+6	(0.228)	0.09f	0.162
11P	9.p6	0.P0	0.2+6	(0.22P)	0.09f	0.162
118	9.8f	0.Pf	0.26f	(0.22f)	0.09P	0.169
119	9.92	0.Pf	0.26f	(0.226)	0.09P	0.169
120	10.00	0.Pf	0.26f	(0.22+)	0.09P	0.169
121	10.08	0.60	0.1P6	(0.22f)	0.0ff	0.108
122	10.1P	0.60	0.1P6	(0.222)	0.0ff	0.108
12f	10.26	0.60	0.1P6	(0.221)	0.0ff	0.108
12+	10.FF	0.60	0.1P6	(0.220)	0.0ff	0.108
126	10.+2	0.60	0.1P6	(0.218)	0.0ff	0.108
12f	10.60	0.60	0.1P6	(0.21P)	0.0ff	0.108
12P	10.68	0.fP	0.2FF	(0.21f)	0.088	0.1++
128	10.fP	0.fP	0.2FF	(0.216)	0.088	0.1++
129	10.p6	0.fP	0.2FF	(0.21+)	0.088	0.1++
1f0	10.8f	0.fP	0.2FF	(0.21f)	0.088	0.1++
1f1	10.92	0.fP	0.2FF	(0.212)	0.088	0.1++
1f2	11.00	0.fP	0.2FF	(0.211)	0.088	0.1++
1fF	11.08	0.ff	0.221	(0.210)	0.08+	0.1fP
1f+	11.1P	0.ff	0.221	(0.209)	0.08+	0.1fP
1f6	11.26	0.ff	0.221	(0.208)	0.08+	0.1fP
1ff	11.FF	0.ff	0.221	(0.20P)	0.08+	0.1fP
1FP	11.+2	0.ff	0.221	(0.20f)	0.08+	0.1fP
1f8	11.60	0.ff	0.221	(0.206)	0.08+	0.1fP
1f9	11.68	0.6P	0.198	(0.20+)	0.0P6	0.12f
1+0	11.fP	0.6P	0.198	(0.20f)	0.0P6	0.12f
1+1	11.p6	0.6P	0.198	(0.202)	0.0P6	0.12f
1+2	11.8f	0.f0	0.210	(0.201)	0.080	0.1f0
1+f	11.92	0.f0	0.210	(0.200)	0.080	0.1f0
1++	12.00	0.f0	0.210	(0.199)	0.080	0.1f0
1+6	12.08	0.8f	0.291	(0.198)	0.111	0.180
1+f	12.1P	0.8f	0.291	(0.19P)	0.111	0.180
1+P	12.26	0.8f	0.291	(0.19f)	0.111	0.180
1+8	12.FF	0.8P	0.F0F	(0.196)	0.116	0.188
1+9	12.+2	0.8P	0.F0F	(0.19+)	0.116	0.188
160	12.60	0.8P	0.F0F	(0.19f)	0.116	0.188
161	12.68	0.9f	0.F2f	(0.192)	0.12+	0.202
162	12.fP	0.9f	0.F2f	(0.191)	0.12+	0.202
16f	12.p6	0.9f	0.F2f	(0.190)	0.12+	0.202
16+	12.8f	0.9P	0.FF8	(0.189)	0.128	0.209
166	12.92	0.9P	0.FF8	(0.188)	0.128	0.209
16f	1f.00	0.9P	0.FF8	(0.18P)	0.128	0.209
16P	1f.08	1.1f	0.F9f	(0.18f)	0.160	0.2+6
168	1f.1P	1.1f	0.F9f	(0.186)	0.160	0.2+6
169	1f.26	1.1f	0.F9f	(0.18+)	0.160	0.2+6
1f0	1f.FF	1.1f	0.F9f	(0.18f)	0.160	0.2+6
1f1	1f.+2	1.1f	0.F9f	(0.182)	0.160	0.2+6

Pro1 10yr24hr

Page 3 of 9

1f2	1F.60	1.1F	0.F9f	(0.182)	0.160	0.2+6
1ff	1F.68	0.PP	0.2f8	(0.181)	0.102	0.1ff
1f+	1F.fP	0.PP	0.2f8	(0.180)	0.102	0.1ff
1f6	1F.p6	0.PP	0.2f8	(0.1P9)	0.102	0.1ff
1ff	1F.8F	0.PP	0.2f8	(0.1P8)	0.102	0.1ff
1fP	1F.92	0.PP	0.2f8	(0.1PP)	0.102	0.1ff
1f8	1+.00	0.PP	0.2f8	(0.1PF)	0.102	0.1ff
1f9	1+.08	0.90	0.F1+	(0.1P6)	0.119	0.196
1P0	1+.1P	0.90	0.F1+	(0.1P+)	0.119	0.196
1P1	1+.26	0.90	0.F1+	(0.1PF)	0.119	0.196
1P2	1+.FF	0.8P	0.F0F	(0.1PF)	0.116	0.188
1PF	1+.+2	0.8P	0.F0F	(0.1P2)	0.116	0.188
1P+	1+.60	0.8P	0.F0F	(0.1P1)	0.116	0.188
1P6	1+.68	0.8P	0.F0F	(0.1P0)	0.116	0.188
1Pf	1+.fP	0.8P	0.F0F	(0.1f9)	0.116	0.188
1PP	1+.P6	0.8P	0.F0F	(0.1f8)	0.116	0.188
1P8	1+.8F	0.8F	0.291	(0.1fP)	0.111	0.180
1P9	1+.92	0.8F	0.291	(0.1ff)	0.111	0.180
180	16.00	0.8F	0.291	(0.1ff)	0.111	0.180
181	16.08	0.80	0.2P9	(0.1f6)	0.10f	0.1PF
182	16.1P	0.80	0.2P9	(0.1f+)	0.10f	0.1PF
18F	16.26	0.80	0.2P9	(0.1fF)	0.10f	0.1PF
18+	16.FF	0.PP	0.2f8	(0.1f2)	0.102	0.1ff
186	16.+2	0.PP	0.2f8	(0.1f1)	0.102	0.1ff
18f	16.60	0.PP	0.2f8	(0.1f1)	0.102	0.1ff
18P	16.68	0.fF	0.221	(0.1f0)	0.08+	0.1FP
188	16.fP	0.fF	0.221	(0.169)	0.08+	0.1FP
189	16.p6	0.fF	0.221	(0.168)	0.08+	0.1FP
190	16.8F	0.fF	0.221	(0.16P)	0.08+	0.1FP
191	16.92	0.fF	0.221	(0.16f)	0.08+	0.1FP
192	1f.00	0.fF	0.221	(0.16f)	0.08+	0.1FP
19F	1f.08	0.1F	0.0+P	(0.166)	0.018	0.029
19+	1f.1P	0.1F	0.0+P	(0.16+)	0.018	0.029
196	1f.26	0.1F	0.0+P	(0.16F)	0.018	0.029
19f	1f.FF	0.1F	0.0+P	(0.16F)	0.018	0.029
19P	1f.+2	0.1F	0.0+P	(0.162)	0.018	0.029
198	1f.60	0.1F	0.0+P	(0.161)	0.018	0.029
199	1f.68	0.10	0.0F6	(0.160)	0.01F	0.022
200	1f.fP	0.10	0.0F6	(0.1+9)	0.01F	0.022
201	1f.p6	0.10	0.0F6	(0.1+9)	0.01F	0.022
202	1f.8F	0.10	0.0F6	(0.1+8)	0.01F	0.022
20F	1f.92	0.10	0.0F6	(0.1+P)	0.01F	0.022
20+	1P.00	0.10	0.0F6	(0.1+f)	0.01F	0.022
206	1P.08	0.1P	0.068	(0.1+f)	0.022	0.0Ff
20f	1P.1P	0.1P	0.068	(0.1+6)	0.022	0.0Ff
20P	1P.26	0.1P	0.068	(0.1++)	0.022	0.0Ff
208	1P.FF	0.1P	0.068	(0.1+f)	0.022	0.0Ff
209	1P.+2	0.1P	0.068	(0.1+f)	0.022	0.0Ff
210	1P.60	0.1P	0.068	(0.1+2)	0.022	0.0Ff
211	1P.68	0.1P	0.068	(0.1+1)	0.022	0.0Ff
212	1P.fP	0.1P	0.068	(0.1+1)	0.022	0.0Ff
21F	1P.p6	0.1P	0.068	(0.1+0)	0.022	0.0Ff
21+	1P.8F	0.1F	0.0+P	(0.1F9)	0.018	0.029
216	1P.92	0.1F	0.0+P	(0.1F9)	0.018	0.029
21f	18.00	0.1F	0.0+P	(0.1F8)	0.018	0.029
21P	18.08	0.1F	0.0+P	(0.1FP)	0.018	0.029
218	18.1P	0.1F	0.0+P	(0.1FP)	0.018	0.029
219	18.26	0.1F	0.0+P	(0.1FF)	0.018	0.029
220	18.FF	0.1F	0.0+P	(0.1F6)	0.018	0.029
221	18.+2	0.1F	0.0+P	(0.1F6)	0.018	0.029
222	18.60	0.1F	0.0+P	(0.1F+)	0.018	0.029
22F	18.68	0.10	0.0F6	(0.1FF)	0.01F	0.022
22+	18.fP	0.10	0.0F6	(0.1FF)	0.01F	0.022
226	18.p6	0.10	0.0F6	(0.1F2)	0.01F	0.022
22f	18.8F	0.0P	0.02F	(0.1F1)	0.009	0.01+
22P	18.92	0.0P	0.02F	(0.1F1)	0.009	0.01+
228	19.00	0.0P	0.02F	(0.1F0)	0.009	0.01+
229	19.08	0.10	0.0F6	(0.129)	0.01F	0.022
2F0	19.1P	0.10	0.0F6	(0.129)	0.01F	0.022
2F1	19.26	0.10	0.0F6	(0.128)	0.01F	0.022
2F2	19.FF	0.1F	0.0+P	(0.128)	0.018	0.029
2FF	19.+2	0.1F	0.0+P	(0.12P)	0.018	0.029
2F+	19.60	0.1F	0.0+P	(0.12f)	0.018	0.029
2F6	19.68	0.10	0.0F6	(0.12f)	0.01F	0.022
2Ff	19.fP	0.10	0.0F6	(0.126)	0.01F	0.022
2FP	19.p6	0.10	0.0F6	(0.126)	0.01F	0.022
2F8	19.8F	0.0P	0.02F	(0.12+)	0.009	0.01+
2F9	19.92	0.0P	0.02F	(0.12+)	0.009	0.01+
2+0	20.00	0.0P	0.02F	(0.12F)	0.009	0.01+
2+1	20.08	0.10	0.0F6	(0.12F)	0.01F	0.022
2+2	20.1P	0.10	0.0F6	(0.122)	0.01F	0.022
2+F	20.26	0.10	0.0F6	(0.121)	0.01F	0.022
2++	20.FF	0.10	0.0F6	(0.121)	0.01F	0.022
2+6	20.+2	0.10	0.0F6	(0.120)	0.01F	0.022
2+f	20.60	0.10	0.0F6	(0.120)	0.01F	0.022
2+P	20.68	0.10	0.0F6	(0.119)	0.01F	0.022
2+8	20.fP	0.10	0.0F6	(0.119)	0.01F	0.022

Pro1 10yr24hr

Page 4 of 9

[illegible]

*ibe(hRb)	voIube	AC.:t	Q(C:S)	0	2.6	6.0	P.6	10.0
0R 6	0.0006		0.0P	Q				
0R10	0.001F		0.1F	Q				
0R16	0.002F		0.1+	Q				
0R20	0.00F6		0.18	Q				
0R26	0.00+9		0.21	Q				
0RF0	0.00f+		0.21	Q				
0RF6	0.00P9		0.22	Q				
0R+0	0.009+		0.22	Q				
0R+6	0.0109		0.22	Q				
0R60	0.012f		0.26	Q				
0R66	0.01+6		0.28	VQ				
1R 0	0.01f6		0.28	VQ				
1R 6	0.0182		0.26	VQ				
1R10	0.019P		0.22	Q				
1R16	0.0212		0.22	Q				
1R20	0.022P		0.22	Q				
1R26	0.02+2		0.22	Q				
1RF0	0.026P		0.22	Q				
1RF6	0.02P2		0.22	Q				
1R+0	0.028P		0.22	Q				
1R+6	0.0F02		0.22	Q				
1R60	0.0F19		0.26	Q				
1R66	0.0FF8		0.28	VQ				
2R 0	0.0F68		0.28	VQ				
2R 6	0.0FPP		0.29	Q				
2R10	0.0F9P		0.29	Q				

2R16	0.0+1P	0.29	Q				
2R20	0.0+FP	0.29	Q				
2R26	0.0+6F	0.29	Q				
2RF0	0.0+PF	0.29	Q				
2RF6	0.0+98	0.F2	Q				
2R+0	0.062F	0.F6	Q				
2R+6	0.06+P	0.FF	Q				
2R60	0.06P2	0.FF	Q				
2R66	0.069P	0.FF	Q				
FR 0	0.0f21	0.FF	Q				
FR 6	0.0f+f	0.FF	Q				
FR10	0.0fP1	0.FF	Q				
FR16	0.0f9f	0.FF	Q				
FR20	0.0P20	0.FF	Q				
FR26	0.0P+6	0.FF	QV				
FRF0	0.0PP0	0.FF	QV				
FRF6	0.0P9+	0.FF	QV				
FR+0	0.0819	0.FF	QV				
FR+6	0.08++	0.FF	QV				
FR60	0.08P1	0.F9	QV				
FR66	0.0900	0.+2	QV				
+R 0	0.09F0	0.+F	QV				
+R 6	0.0969	0.+F	QV				
+R10	0.0989	0.+F	QV				
+R16	0.1019	0.+F	QV				
+R20	0.1061	0.+F	QV				
+R26	0.1086	0.+9	QV				
+RF0	0.1119	0.60	QV				
+RF6	0.116+	0.60	QV				
+R+0	0.1188	0.60	QV				
+R+6	0.122F	0.60	QV				
+R60	0.12f0	0.6+	QV				
+R66	0.1299	0.6P	QV				
6R 0	0.1FF8	0.6P	QV				
6R 6	0.1FPF	0.61	QV				
6R10	0.1+0+	0.+6	Q V				
6R16	0.1+F+	0.++	Q V				
6R20	0.1+ff	0.+f	Q V				
6R26	0.1600	0.+9	Q V				
6RF0	0.16F6	0.60	Q V				
6RF6	0.16P2	0.6+	Q V				
6R+0	0.1f11	0.6P	Q V				
6R+6	0.1f60	0.6P	Q V				
6R60	0.1f90	0.6P	Q V				
6R66	0.1P29	0.6P	Q V				
FR 0	0.1Pf9	0.6P	Q V				
FR 6	0.1811	0.f1	Q V				
FR10	0.1866	0.f+	Q V				
FR16	0.1899	0.f+	Q V				
FR20	0.19++	0.f6	Q V				
FR26	0.1988	0.f6	Q V				
FRF0	0.20FF	0.f6	Q V				
FRF6	0.20P9	0.f8	Q V				
FR+0	0.2128	0.P1	Q V				
FR+6	0.21P8	0.P2	Q V				
FR60	0.222P	0.P2	Q V				
FR66	0.22PP	0.P2	Q V				
PR 0	0.2F2f	0.P2	Q V				
PR 6	0.2FPf	0.P2	Q V				
PR10	0.2+26	0.P2	Q V				
PR16	0.2+P6	0.P2	Q V				
PR20	0.262f	0.P6	Q V				
PR26	0.2680	0.P8	Q V				
PRF0	0.2ff+	0.P9	Q V				
PRF6	0.2f91	0.82	Q V				
PR+0	0.2P60	0.86	Q V				
PR+6	0.2809	0.8f	Q V				
PR60	0.28P1	0.90	Q V				
PR66	0.29F6	0.9F	Q V				
8R 0	0.2999	0.9F	Q V				
8R 6	0.F0f8	1.00	Q V				
8R10	0.F1+1	1.0f	Q V				
8R16	0.F216	1.0P	Q V				
8R20	0.F289	1.08	Q V				
8R26	0.FFFf	1.08	Q V				
8RF0	0.F+FP	1.08	Q V				
8RF6	0.F61+	1.11	Q V				
8R+0	0.F692	1.1+	Q V				
8R+6	0.Ffp1	1.16	Q V				
8R60	0.FP6F	1.18	Q V				
8R66	0.F8Ff	1.21	Q V				
9R 0	0.F920	1.22	Q V				
9R 6	0.+009	1.29	Q V				
9R10	0.+102	1.F6	Q V				
9R16	0.+19f	1.Ff	Q V				
9R20	0.+292	1.+0	Q V				
9R26	0.+F90	1.+F	Q V				

9RF0	0.++89	1.+F	Q	V		
9RF6	0.+690	1.+P	Q	V		
9R+0	0.+f9+	1.60	Q	V		
9R+6	0.+P9P	1.61	Q	V		
9R60	0.+90+	1.6+	Q	V		
9R66	0.6012	1.6P	Q	V		
10R 0	0.6120	1.68	Q	V		
10R 6	0.621F	1.F6	Q	V		
10R10	0.6292	1.1+	Q	V		
10R16	0.6FfP	1.09	Q	V		
10R20	0.6++1	1.08	Q	V		
10R26	0.6616	1.08	Q	V		
10RF0	0.6690	1.08	Q	V		
10RF6	0.6fP6	1.2+	Q	V		
10R+0	0.6PP1	1.+0	Q	V		
10R+6	0.68f9	1.+2	Q	V		
10R60	0.69f8	1.++	Q	V		
10R66	0.f0fP	1.++	Q	V		
11R 0	0.f1ff	1.++	Q	V		
11R 6	0.f2fF	1.+0	Q	V		
11R10	0.fF68	1.FP	Q	V		
11R16	0.f+62	1.FP	Q	V		
11R20	0.f6+f	1.Ff	Q	V		
11R26	0.ff+0	1.Ff	Q	V		
11RF0	0.fPF+	1.Ff	Q	V		
11RF6	0.f82F	1.F0	Q	V		
11R+0	0.f908	1.2+	Q	V		
11R+6	0.f99F	1.2F	Q	V		
11R60	0.P0P9	1.26	Q	V		
11R66	0.P1f8	1.28	Q	V		
12R 0	0.P26P	1.29	Q	V		
12R 6	0.PFf2	1.6F	Q	V		
12R10	0.P+81	1.P+	Q	V		
12R16	0.Pf0+	1.P8	Q	V		
12R20	0.PPF0	1.8F	Q	V		
12R26	0.P868	1.8f	Q	V		
12RF0	0.P98P	1.8P	Q	V		
12RF6	0.8120	1.9F	Q	V		
12R+0	0.826P	2.00	Q	V		
12R+6	0.8F96	2.01	Q	V		
12R60	0.86Ff	2.0+	Q	V		
12R66	0.8fP9	2.08	Q	V		
1FR 0	0.8822	2.08	Q	V		
1FR 6	0.89PP	2.26	Q	V		
1FR10	0.91+f	2.+0	Q	V		
1FR16	0.9F10	2.+F	Q	V		
1FR20	0.9+p8	2.++	Q	V		
1FR26	0.9f+p	2.++	Q	V		
1FRF0	0.9816	2.++	Q	V		
1FRF6	0.9968	2.08	Q	V		
1FR+0	1.00P8	1.P+	Q	V		
1FR+6	1.019+	1.f8	Q	V		
1FR60	1.0F0P	1.f6	Q	V		
1FR66	1.0+21	1.f6	Q	V		
1+R 0	1.06F6	1.f6	Q	V		
1+R 6	1.0f68	1.P9	Q	V		
1+R10	1.0P89	1.91	Q	V		
1+R16	1.0922	1.9F	Q	V		
1+R20	1.106F	1.91	Q	V		
1+R26	1.118F	1.88	Q	V		
1+RF0	1.1F11	1.8P	Q	V		
1+RF6	1.1+0	1.8P	Q	V		
1+R+0	1.16f9	1.8P	Q	V		
1+R+6	1.1f9P	1.8P	Q	V		
1+R60	1.182+	1.8F	Q	V		
1+R66	1.19+8	1.80	Q	V		
16R 0	1.20P2	1.80	Q	V		
16R 6	1.219F	1.Pf	Q	V		
16R10	1.2F1F	1.PF	Q	V		
16R16	1.2+f1	1.PF	Q	V		
16R20	1.26+8	1.f9	Q	V		
16R26	1.2ff2	1.ff	Q	V		
16RF0	1.2PPf	1.f6	Q	V		
16RF6	1.2881	1.62	Q	V		
16R+0	1.29PP	1.+0	Q	V		
16R+6	1.F0P2	1.FP	Q	V		
16R60	1.F1ff	1.Ff	Q	V		
16R66	1.F2f0	1.Ff	Q	V		
1fR 0	1.FF6+	1.Ff	Q	V		
1fR 6	1.F+1+	0.8P	Q	V		
1fR10	1.F++2	0.+1	Q	V		
1fR16	1.F+f+	0.F2	Q	V		
1fR20	1.F+8+	0.29	Q	V		
1fR26	1.F60+	0.29	Q	V		
1fRF0	1.F62+	0.29	Q	V		
1fRF6	1.F6+1	0.26	Q	V		
1fR+0	1.F66f	0.22	Q	V		

1FR+6	1.F6P1	0.22	Q				V
1FR60	1.F68F	0.22	Q				V
1FR66	1.FF01	0.22	Q				V
1PR 0	1.Ff1f	0.22	Q				V
1PR 6	1.Fff6	0.28	Q				V
1PR10	1.Fff69	0.F+	Q				V
1PR16	1.Ff8F	0.F6	Q				V
1PR20	1.FP08	0.Ff	Q				V
1PR26	1.FPFF	0.Ff	Q				V
1PRF0	1.FP68	0.Ff	Q				V
1PRF6	1.FP82	0.Ff	Q				V
1PR+0	1.F80P	0.Ff	Q				V
1PR+6	1.F8F2	0.Ff	Q				V
1PR60	1.F86+	0.FF	Q				V
1PR66	1.F8P6	0.F0	Q				V
18R 0	1.F896	0.29	Q				V
18R 6	1.F91+	0.29	Q				V
18R10	1.F9F+	0.29	Q				V
18R16	1.F96+	0.29	Q				V
18R20	1.F9P+	0.29	Q				V
18R26	1.F99+	0.29	Q				V
18RF0	1.+01F	0.29	Q				V
18RF6	1.+0F1	0.26	Q				V
18R+0	1.+0+f	0.22	Q				V
18R+6	1.+0f1	0.22	Q				V
18R60	1.+0P+	0.18	Q				V
18R66	1.+08+	0.16	Q				V
19R 0	1.+09+	0.16	Q				V
19R 6	1.+10P	0.18	Q				V
19R10	1.+121	0.21	Q				V
19R16	1.+1Ff	0.21	Q				V
19R20	1.+16F	0.26	Q				V
19R26	1.+1P2	0.28	Q				V
19RF0	1.+192	0.28	Q				V
19RF6	1.+209	0.26	Q				V
19R+0	1.+22+	0.22	Q				V
19R+6	1.+2F9	0.22	Q				V
19R60	1.+262	0.18	Q				V
19R66	1.+2f2	0.16	Q				V
20R 0	1.+2PF	0.16	Q				V
20R 6	1.+286	0.18	Q				V
20R10	1.+299	0.21	Q				V
20R16	1.+F1+	0.21	Q				V
20R20	1.+F28	0.22	Q				V
20R26	1.+F+f	0.22	Q				V
20RF0	1.+F68	0.22	Q				V
20RF6	1.+FPF	0.22	Q				V
20R+0	1.+F88	0.22	Q				V
20R+6	1.++0F	0.22	Q				V
20R60	1.++16	0.18	Q				V
20R66	1.++2f	0.16	Q				V
21R 0	1.++Ff	0.16	Q				V
21R 6	1.+++8	0.18	Q				V
21R10	1.++f2	0.21	Q				V
21R16	1.++PP	0.21	Q				V
21R20	1.++89	0.18	Q				V
21R26	1.+600	0.16	Q				V
21RF0	1.+610	0.16	Q				V
21RF6	1.+622	0.18	Q				V
21R+0	1.+6Ff	0.21	Q				V
21R+6	1.+661	0.21	Q				V
21R60	1.+6f+	0.18	Q				V
21R66	1.+6P+	0.16	Q				V
22R 0	1.+68+	0.16	Q				V
22R 6	1.+69f	0.18	Q				V
22R10	1.+f11	0.21	Q				V
22R16	1.+f26	0.21	Q				V
22R20	1.+ff8	0.18	Q				V
22R26	1.+f+8	0.16	Q				V
22RF0	1.+f68	0.16	Q				V
22RF6	1.+ff8	0.1+	Q				V
22R+0	1.+fp8	0.1+	Q				V
22R+6	1.+f88	0.1+	Q				V
22R60	1.+f98	0.1+	Q				V
22R66	1.+P08	0.1+	Q				V
2FR 0	1.+P18	0.1+	Q				V
2FR 6	1.+P28	0.1+	Q				V
2FR10	1.+PF8	0.1+	Q				V
2FR16	1.+P+p	0.1+	Q				V
2FR20	1.+P6P	0.1+	Q				V
2FR26	1.+PfP	0.1+	Q				V
2FRF0	1.+PPP	0.1+	Q				V
2FRF6	1.+P8P	0.1+	Q				V
2FR+0	1.+P9P	0.1+	Q				V
2FR+6	1.+80P	0.1+	Q				V
2FR60	1.+81P	0.1+	Q				V
2FR66	1.+82P	0.1+	Q				V

2+R 0	1.+8FP	0.1+	Q				V
2+R 6	1.+8+2	0.08	Q				V
2+R10	1.+8+F	0.02	Q				V
2+R16	1.+8+F	0.00	Q				V

Unit Hydrograph Analysis

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Riverside County Synthetic Unit Hydrology Method
RC:C & WCD Manual date - April 1978

Program License Serial Number 5006

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Drainage Area = 9.87(Ac.) = 0.015 S3. Mi.
Drainage Area for Depth-Area Areal Adjustment = 9.87(Ac.) = 0.015 S3. Mi.
Length along longest watercourse = 1180.00(:t.)
Length along longest watercourse measured to centroid = 590.00(:t.)
Length along longest watercourse = 0.22F Mi.
Length along longest watercourse measured to centroid = 0.112 Mi.
Difference in elevation = 18.60(:t.)
Slope along watercourse = 8F.2271 :t./Mi.
Average Mannings wNw = 0.015
Lag time = 0.0F8 Hr.
Lag time = 2.29 Min.
254 of lag time = 0.57 Min.
'04 of lag time = 0.92 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered %ase :loj = 0.00(C:S)

2 BEAR Area rainfall datax

Area(Ac.)Y1[	Rainfall(In)Y2[	weightingY1]2[
9.87	0.50	1.9F

100 BEAR Area rainfall datax

Area(Ac.)Y1[	Rainfall(In)Y2[	weightingY1]2[
9.87	1.20	11.8

S*TRM EVEN* (BEAR) = 100.00
Area Averaged 2-Bear Rainfall = 0.500(In)
Area Averaged 100-Bear Rainfall = 1.200(In)

Point rain (area averaged) = 1.200(In)
Areal adjustment factor = 99.99 4
Adjusted average point rain = 1.200(In)

Sub-Area Datax
Area(Ac.) Runoff Inde0 Impervious 4
9.870 56.00 0.650
*otal Area Entered = 9.87(Ac.)

RI	RI	Infil. Rate	Impervious	Adq. Infil. Rate	Area4	:
AMC2	AMC-2	(In/Hr)	(Dec.4)	(In/Hr)	(Dec.)	(In/Hr)
56.0	56.0	0.511	0.650	0.212	1.000	0.212
					Sum (:)	= 0.212

Area averaged mean soil loss (:)(In/Hr) = 0.212
Minimum soil loss rate ((In/Hr)) = 0.106
(for 2' hour storm duration)
Soil loj loss rate (decimal) = 0.F80

Slope of intensity-duration curve for a 1 hour storm =0.5000

Unit Hydrograph
VALLEB S-Curve

Unit Hydrograph Data

Unit time period *ime 4 of lag Distribution Unit Hydrograph

Pro1 100yr24hr

Page 1 of 2

(hrs)		Graph 4		(C:S)	
1	0.08F	217.9F6	'6.FF7	'6.609	
2	0.167	'F5.872	'2.1F5	'1.191	
F	0.250	65F.809	8.112	0.807	
'	0.FFF	871.7'5	F.'15	0.F'0	
		Sum = 100.000	Sum=	9.9'7	

*he following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the ma0imum Effective Rain value

Unit	*ime (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Ma0 Loj	Effective (In/Hr)
1	0.08	'20	0.605	0.212 (0.2F0)	0.F9F
2	0.17	'F0	0.619	0.212 (0.2F5)	0.'07
F	0.25	5.00	0.720	0.212 (0.27')	0.508
'	0.FF	5.00	0.720	0.212 (0.27')	0.508
5	0.'2	5.80	0.8F5	0.212 (0.F17)	0.62F
6	0.50	6.50	0.9F6	0.212 (0.F56)	0.72'
7	0.58	7.'0	1.066	0.212 (0.'05)	0.85'
8	0.67	8.60	1.2F8	0.212 (0.'71)	1.026
9	0.75	12.F0	1.771	0.212 (0.67F)	1.559
10	0.8F	29.10	'190	0.212 (1.592)	F.978
11	0.92	6.80	0.979	0.212 (0.F72)	0.767
12	1.00	5.00	0.720	0.212 (0.27')	0.508

Sum = 100.0 (Loss Rate Not Used) Sum = 11.9
:lood volume = Effective rainfall 0.99(In)
times area 9.9(Ac.)/(t.)[= 0.8(Ac.:t)
*otal soil loss = 0.21(In)
*otal soil loss = 0.17'(Ac.:t)
*otal rainfall = 1.20(In)
:lood volume = F5F95.0 Cubic :eet
*otal soil loss = 759'.9 Cubic :eet

Peak floj rate of this hydrograph = 26.002(C:S)

1 - H T U R S * T R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((C:S))

*ime(h+m)	Volume	Ac.:t	Q(C:S)	0	7.5	15.0	22.5	F0.0
0+ 5	0.0125	1.81	V Q					
0+10	0.0F67	F.52	V Q					
0+15	0.0668	'F7	V Q					
0+20	0.1008	'9F	V Q					
0+25	0.1F90	5.55	V Q					
0+F0	0.18'1	6.5F	QV					
0+F5	0.2F67	7.65	QV					
0+'0	0.2995	9.11	Q V					
0+'5	0.F850	12.'F	Q V					
0+50	0.56'1	26.00						
0+55	0.71''	21.8F						
1+ 0	0.7785	9.F0						
1+ 5	0.8067	'10	Q					
1+10	0.811'	0.67	Q					
1+15	0.8126	0.17	Q					

Unit Hydrograph Analysis

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Riverside County Synthetic Unit Hydrology Method
RC:C & WCD Manual date - April 1978

Program License Serial Number 5006

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Drainage Area = 9.87(Ac.) = 0.015 S3. Mi.
Drainage Area for Depth-Area Areal Adjustment = 9.87(Ac.) = 0.015 S3. Mi.
Length along longest watercourse = 1180.00(:t.)
Length along longest watercourse measured to centroid = 590.00(:t.)
Length along longest watercourse = 0.22F Mi.
Length along longest watercourse measured to centroid = 0.112 Mi.
Difference in elevation = 18.60(:t.)
Slope along watercourse = 8F.2271 :t./Mi.
Average Mannings wNw = 0.015
Lag time = 0.0F8 Hr.
Lag time = 2.29 Min.
254 of lag time = 0.57 Min.
104 of lag time = 0.92 Min.
Unit time = 5.00 Min.
Duration of storm = F Hour(s)
User Entered %ase :loj = 0.00(C:S)

2 BEAR Area rainfall datax

Area(Ac.)Y1[	Rainfall(In)Y2[	weightingY1]2[
9.87	0.80	7.90

100 BEAR Area rainfall datax

Area(Ac.)Y1[	Rainfall(In)Y2[	weightingY1]2[
9.87	1.90	18.75

S*TRM EVEN* (BEAR) = 100.00
Area Averaged 2-Bear Rainfall = 0.800(In)
Area Averaged 100-Bear Rainfall = 1.900(In)

Point rain (area averaged) = 1.900(In)
Areal adjustment factor = 100.00 4
Adjusted average point rain = 1.900(In)

Sub-Area Datax
Area(Ac.) Runoff Inde0 Impervious 4
9.870 56.00 0.650
*otal Area Entered = 9.87(Ac.)

RI	RI	Infil. Rate	Impervious	Adq. Infil. Rate	Area4	:
AMC2	AMC-2	(In/Hr)	(Dec.4)	(In/Hr)	(Dec.)	(In/Hr)
56.0	56.0	0.511	0.650	0.212	1.000	0.212
					Sum (:)	= 0.212

Area averaged mean soil loss (:)(In/Hr) = 0.212
Minimum soil loss rate ((In/Hr)) = 0.106
(for 2' hour storm duration)
Soil loj loss rate (decimal) = 0.F80

Unit Hydrograph VALLEB S-Curve

Unit Hydrograph Data

Unit time period	*ime 4 of lag	Distribution	Unit Hydrograph
(hrs)		Graph 4	(C:S)

1	0.08F	217.9F6	'6.FF7	'6.609
2	0.167	'F5.872	'2.1F5	'1.191
F	0.250	65F.809	8.112	0.807
'	0.FFF	871.7'5	F.'15	0.F'0
		Sum = 100.000	Sum=	9.9'7

*he folloing loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the ma0imum Effective Rain value

Unit	*ime (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Mao	Loj	Effective (In/Hr)
1	0.08	1.F0	0.296	(0.212)	0.11F	0.18'
2	0.17	1.F0	0.296	(0.212)	0.11F	0.18'
F	0.25	1.10	0.251	(0.212)	0.095	0.155
'	0.FF	1.50	0.F'2	(0.212)	0.1F0	0.212
5	0.'2	1.50	0.F'2	(0.212)	0.1F0	0.212
6	0.50	1.80	0.'10	(0.212)	0.156	0.25'
7	0.58	1.50	0.F'2	(0.212)	0.1F0	0.212
8	0.67	1.80	0.'10	(0.212)	0.156	0.25'
9	0.75	1.80	0.'10	(0.212)	0.156	0.25'
10	0.8F	1.50	0.F'2	(0.212)	0.1F0	0.212
11	0.92	1.60	0.F65	(0.212)	0.1F9	0.226
12	1.00	1.80	0.'10	(0.212)	0.156	0.25'
1F	1.08	2.20	0.502	(0.212)	0.191	0.F11
1'	1.17	2.20	0.502	(0.212)	0.191	0.F11
15	1.25	2.20	0.502	(0.212)	0.191	0.F11
16	1.FF	2.00	0.'56	(0.212)	0.17F	0.28F
17	1.'2	2.60	0.59F	(0.212)	(0.225)	0.F81
18	1.50	2.70	0.616	(0.212)	(0.2F')	0.'0'
19	1.58	2.'0	0.5'7	(0.212)	0.208	0.FF9
20	1.67	2.70	0.616	(0.212)	(0.2F')	0.'0'
21	1.75	F.F0	0.752	(0.212)	(0.286)	0.5'0
22	1.8F	F.10	0.707	(0.212)	(0.269)	0.'95
2F	1.92	2.90	0.661	(0.212)	(0.251)	0.'9
2'	2.00	F.00	0.68'	(0.212)	(0.260)	0.'72
25	2.08	F.10	0.707	(0.212)	(0.269)	0.'95
26	2.17	'20	0.958	(0.212)	(0.F6')	0.7'6
27	2.25	5.00	1.1'0	(0.212)	(0.'FF)	0.928
28	2.FF	F.50	0.798	(0.212)	(0.F0F)	0.586
29	2.'2	6.80	1.550	(0.212)	(0.589)	1.FF8
F0	2.50	7.F0	1.66'	(0.212)	(0.6F2)	1.'52
F1	2.58	8.20	1.870	(0.212)	(0.710)	1.658
F2	2.67	5.90	1.F'5	(0.212)	(0.511)	1.1FF
FF	2.75	2.00	0.'56	(0.212)	0.17F	0.28F
F'	2.8F	1.80	0.'10	(0.212)	0.156	0.25'
F5	2.92	1.80	0.'10	(0.212)	0.156	0.25'
F6	F.00	0.60	0.1F7	(0.212)	0.052	0.085

Sum = 100.0
 :lood volume = Effective rainfall 1.F8(In)
 times area 9.9(Ac.)/(Y(In)/(.:t.)[= 1.1(Ac.:t)
 *otal soil loss = 0.52(In)
 *otal soil loss = 0.'F0(Ac.:t)
 *otal rainfall = 1.90(In)
 :lood volume = '9F'2.' Cubic :eet
 *otal soil loss = 18728.1 Cubic :eet

Peak floj rate of this hydrograph = 15.01'(C:S)

+++++ F - H T U R S * T R M +++++
 R u n o f f H y d r o g r a p h
 Hydrograph in 5 Minute intervals ((C:S))

*ime(h+m)	Volume Ac.:t	Q(C:S)	0	5.0	10.0	15.0	20.0
0+ 5	0.0058	0.85	VQ				
0+10	0.0170	1.62	V Q				
0+15	0.0282	1.6'	V Q				
0+20	0.0'09	1.8'	V Q				
0+25	0.0551	2.05	V Q				
0+F0	0.0708	2.29	V Q				
0+F5	0.0866	2.29	VQ				
0+'0	0.1027	2.F'	VQ				
0+'5	0.1199	2.50	Q				
0+50	0.1F59	2.F2	Q				
0+55	0.1512	2.22	QV				
1+ 0	0.1676	2.F8	QV				
1+ 5	0.1866	2.76	QV				
1+10	0.207'	F.02	QV				
1+15	0.2286	F.08	Q V				
1+20	0.2'90	2.96	Q V				
1+25	0.2717	F.F0	Q V				

1+F0	0.2978	F.79	Q	V			
1+F5	0.F2F0	F.66	Q	V			
1+'0	0.F'88	F.7'	Q	V			
1+'5	0.F80'	' .60	Q	V			
1+50	0.'1'8	' .99	Q	V			
1+55	0.' '7F	' .72	Q	V			
2+ 0	0.'79F	' .6'	Q	V			
2+ 5	0.512F	' .79	Q	V			
2+10	0.55F9	6.05		Q	V		
2+15	0.6088	7.97		Q	V		
2+20	0.6595	7.F6		Q	V		
2+25	0.7258	9.6F		Q	V		
2+F0	0.8160	1F.10			Q	V	
2+F5	0.919'	15.01			Q	V	
2+'0	1.01'5	1F.80			Q	V	
2+'5	1.0688	7.89		Q		V	
2+50	1.0952	F.8'	Q			V	
2+55	1.11'9	2.85	Q			V	
F+ 0	1.1270	1.76	Q			V	
F+ 5	1.1F15	0.65	Q			V	
F+10	1.1F25	0.15	Q			V	
F+15	1.1F27	0.0F	Q			V	

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Drainage Area = 9.8P(Ac.) = 0.016 S3. &i.
Drainage Area for Depth-Area Area Adjstbent = 9.8P(Ac.) = 0.016 S3. &i.
Length along longest jatercourse = 1180.00(:t.)
Length along longest jatercourse beasured to centroid = 690.00(:t.)
Length along longest jatercourse = 0.22F &i.
Length along longest jatercourse beasured to centroid = 0.112 &i.
Difference in elevation = 18.+0(:t.)
Slope along jatercourse = 8F.22P1 :t./&i.
AVERAGE &anningws wNW = 0.016
Lag time = 0.0F8 Hr.
Lag time = 2.29 &i.
264 of lag time = 0.6P &i.
'04 of lag time = 0.92 &i.
Unit time = 6.00 &i.
Duration of storb = + Hour(s)
User Entered %ase :loj = 0.00(C:S)

```

Area(Ac.)Y1[	vainfall(In)Y2[	7eightingY1]2[
9.8P	1.20	11.8'

100 BEAv Area rainfall datax

Area(Ac.)Y1[9.8P	vainfall(In)Y2[2.60	7eightingY1]2[2'.+P

S*TV& EVEN* (BEAV) = 100.00
Area AMerged 2-Bear vainfall = 1.200(In)
Area AMerged 100-Bear vainfall = 2.600(In)

```

point rain (area aMerged) = 2.600(In)
AreaI adqustbent factor = 100.00 4
Adqusted aMerge point rain = 2.600(In)

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Su5-Area Datax
Area(Ac.)          vunoff Inde0    Ibperrmious 4
    9.8P0              6+.00          0.+60
*otal Area Entered =      9.8P(Ac.)

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VI	vI	Infil. vate	Ibermious	Adq. Infil. vate	Area4	:
A&C-2	A&C-2	(In/Hr)	(Dec.4)	(In/Hr)	(Dec.)	(In/Hr)
6+0	6+0	0.611	0.+60	0.212	1.000	0.212
					Sub (:)	= 0.212
Area aMERAGED bean soil loss (:)						
(In/Hr) = 0.212						
&inibub soil loss rate ((In/Hr)) = 0.10+						
(for 2' hour storb duration)						
Soil loj loss rate (decibal) = 0.F80						

Unit Hydrograph
VALLEB S-CurMe

Unit Hydrograph Data

Unit time period (hrs)	*ibe 4 of lag	Distribution Graph 4	Unit Hydrograph (C:S)

1	0.08F	21P.9F+	'+.FFP	'+.09
2	0.1+P	'F6.8P2	'2.1F6	'191
F	0.260	+6F.809	8.112	0.80P
'	0.FFF	8P1.P'6	F.'16	0.F'0
		Sub = 100.000	Sub=	9.9'P

*he folloing loss rate calculations reflect use of the binibub calculated loss rate su5tracted frob the Storb vain to produce the ba0ibub EffectiMe vain Malue

Unit	*ibe (Hr.)	mattern mercent	Storb vain (In/Hr)	Loss rate(In./Hr) &ao Loj	EffectiMe (In/Hr)
1	0.08	0.60	0.160	(0.212)	0.06P
2	0.1P	0.+0	0.180	(0.212)	0.0+8
F	0.26	0.+0	0.180	(0.212)	0.0+8
'	0.FF	0.+0	0.180	(0.212)	0.0+8
6	0.'2	0.+0	0.180	(0.212)	0.0+8
+	0.60	0.P0	0.210	(0.212)	0.080
P	0.68	0.P0	0.210	(0.212)	0.080
8	0.+P	0.P0	0.210	(0.212)	0.080
9	0.P6	0.P0	0.210	(0.212)	0.080
10	0.8F	0.P0	0.210	(0.212)	0.080
11	0.92	0.P0	0.210	(0.212)	0.080
12	1.00	0.80	0.2'0	(0.212)	0.091
1F	1.08	0.80	0.2'0	(0.212)	0.091
1'	1.1P	0.80	0.2'0	(0.212)	0.091
16	1.26	0.80	0.2'0	(0.212)	0.091
1+	1.FF	0.80	0.2'0	(0.212)	0.091
1P	1.'2	0.80	0.2'0	(0.212)	0.091
18	1.60	0.80	0.2'0	(0.212)	0.091
19	1.68	0.80	0.2'0	(0.212)	0.091
20	1.+P	0.80	0.2'0	(0.212)	0.091
21	1.P6	0.80	0.2'0	(0.212)	0.091
22	1.8F	0.80	0.2'0	(0.212)	0.091
2F	1.92	0.80	0.2'0	(0.212)	0.091
2'	2.00	0.90	0.2P0	(0.212)	0.10F
26	2.08	0.80	0.2'0	(0.212)	0.091
2+	2.1P	0.90	0.2P0	(0.212)	0.10F
2P	2.26	0.90	0.2P0	(0.212)	0.10F
28	2.FF	0.90	0.2P0	(0.212)	0.10F
29	2.'2	0.90	0.2P0	(0.212)	0.10F
F0	2.60	0.90	0.2P0	(0.212)	0.10F
F1	2.68	0.90	0.2P0	(0.212)	0.10F
F2	2.+P	0.90	0.2P0	(0.212)	0.10F
FF	2.P6	1.00	0.F00	(0.212)	0.11'
F'	2.8F	1.00	0.F00	(0.212)	0.11'
F6	2.92	1.00	0.F00	(0.212)	0.11'
F+	F.00	1.00	0.F00	(0.212)	0.11'
FP	F.08	1.00	0.F00	(0.212)	0.11'
F8	F.1P	1.10	0.FF0	(0.212)	0.126
F9	F.26	1.10	0.FF0	(0.212)	0.126
'0	F.FF	1.10	0.FF0	(0.212)	0.126
'1	F.'2	1.20	0.F+0	(0.212)	0.1FP
'2	F.60	1.F0	0.F90	(0.212)	0.1'8
'F	F.68	1.'0	0.'20	(0.212)	0.1+0
''	F.+P	1.'0	0.'20	(0.212)	0.1+0
'6	F.P6	1.60	0.'60	(0.212)	0.1P1
'+	F.8F	1.60	0.'60	(0.212)	0.1P1
'P	F.92	1.+0	0.'80	(0.212)	0.182
'8	'.'00	1.+0	0.'80	(0.212)	0.182
'9	'.'08	1.P0	0.610	(0.212)	0.19'
60	'.'1P	1.80	0.6'0	(0.212)	0.206
61	'.'26	1.90	0.6P0	0.212	(0.21P)
62	'.'FF	2.00	0.+00	0.212	(0.228)
6F	'.'2	2.10	0.+F0	0.212	(0.2F9)
6'	'.'60	2.10	0.+F0	0.212	(0.2F9)
66	'.'68	2.20	0.++0	0.212	(0.261)
6+	'.'+P	2.F0	0.+90	0.212	(0.2+2)
6P	'.'P6	2.'0	0.P20	0.212	(0.2P')
68	'.'8F	2.'0	0.P20	0.212	(0.2P')
69	'.'92	2.60	0.P60	0.212	(0.286)
+0	6.00	2.+0	0.P80	0.212	(0.29+)
+1	6.08	F.10	0.9F0	0.212	(0.F6F)
+2	6.1P	F.+0	1.080	0.212	(0.'10)
+F	6.26	F.90	1.1P0	0.212	(0.'16)
+'	6.FF	'.'20	1.2+0	0.212	(0.'P9)
+6	6.'2	'.'P0	1.'10	0.212	(0.6F+)
++	6.60	6.+0	1.+80	0.212	(0.+F8)
+P	6.68	1.90	0.6P0	0.212	(0.21P)
+8	6.+P	0.90	0.2P0	(0.212)	0.10F
+9	6.P6	0.+0	0.180	(0.212)	0.0+8
P0	6.8F	0.60	0.160	(0.212)	0.06P
P1	6.92	0.F0	0.090	(0.212)	0.0F'
P2	+0.00	0.20	0.0+0	(0.212)	0.02F
		(Loss vate Not Used)			
Sub =	100.0			Sub =	20.+

Pro1 100yr6hr

Page 2 of 4

6R'6	1.F96+	2.00	Q				V
6R60	1.'0F6	1.16	Q				V
6R66	1.'090	0.P9	Q				V
+R 0	1.'12+	0.62	Q				V
+R 6	1.'1'2	0.2F	Q				V
+R10	1.'1'6	0.06	Q				V
+R16	1.'1'+	0.01	Q				V

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Study date 0F/01/22 :ilex pro11002+100.out

viMerside County Synthetic Unit Hydrology &ethod
vC:C W 7CD &annual date - April 19P8

English (in-15) Input Units Used
English vain=all Data (Inches) Input Values Used
English Units used in output =orbat

```

Drainage Area 3      9.8P(Ac.) 3      0.016 Sq. &i.
Drainage Area =or Depth-Area Area Adjustbent 3      9.8P(Ac.) 3      0.016 Sq. &i.
Length along longest watercourse 3      1180.00(:t.)
Length along longest watercourse beasured to centroid 3      690.00(:t.)
Length along longest watercourse 3      0.22F &i.
Length along longest watercourse beasured to centroid 3      0.112 &i.
Di=fference in elevation 3      18.f0(:t.)
Slope along watercourse 3      8F.22P1 :t./&i.
AVERAGE &anning4s 4N4 3 0.016
Lag time 3      0.0F8 Hr.
Lag time 3      2.29 &i.
26' o= lag time 3      0.6P &i.
+0' o= lag time 3      0.92 &i.
Unit time 3      6.00 &i.
Duration o= storb 3 2+ Hour(s)
User Entered %ase :low 3      0.00(C:S)

```

Area(Ac.)Y1[9.8P	vain=all(In)Y2[1.80	7eightingY1]2[1P.PP

Area(Ac.)Y1[9.8P	vain=all(In)Y2[+.60	7eightingY1]2[++.+1

S*TV& EVEN* (BEAV) 3 100.00
Area AMerged 2-Bear vain=all 3 1.800(In)
Area AMerged 100-Bear vain=all 3 +.600(In)

```

moist rain (area averaged) 3      +.600(In)
Area adjustbent = actor 3  100.00 '
Adjusted aMerge point rain 3      +.600(In)

```

```

Su5-Area Datax
Area(Ac.)      vuno== Inde0   IbperMious '
9.8P0          6f.00      0.f60
*otal Area Entered 3      9.8P(Ac.)

```

VI	VI	In=il. vate	IberperMious	Adj. In=il. vate	Area'	:
A&C2	A&C-2	(In/Hr)	(Dec.')	(In/Hr)	(Dec.)	(In/Hr)
6f.0	6f.0	0.611	0.f60	0.212	1.000	0.212
					Sub (:)	3 0.212

Area aMerged bean soil loss (:) (In/Hr) 3 0.212
&inibub soil loss rate ((In/Hr)) 3 0.10f
(=or 2+ hour storb duration)
Soil low loss rate (decibal) 3 0.F80

Unit Hydrograph
VALLEB S-CurMe

Unit Hydrograph Data

Unit time period (hrs)	*ibe ' o= lag	Distribution Graph	Unit Hydrograph (C:S)

1	0.08F	21P.9Ff	+f.FFP	+.f09
2	0.1fP	+F6.8P2	+2.1fF6	+.191
F	0.260	f6F.809	8.112	0.80P
+	0.FFF	8P1.P+6	F.+16	0.F+0
		Sub 3	100.000	Sub3
				9.9+P

*he =ollowing loss rate calculations re=lect use o= the binibub calculated loss rate su5tracted =rob the Storb vain to produce the ba0ibub E==ectiMe vain Malue

Unit	*ibe (Hr.)	mattern mercent	Storb vain (In/Hr)	Loss rate(In./Hr) &a0 Low	E==ectiMe (In/Hr)
1	0.08	0.0P	0.0Ff	(0.FPf)	0.01+
2	0.1P	0.0P	0.0Ff	(0.FP+)	0.01+
F	0.26	0.0P	0.0Ff	(0.FPF)	0.01+
+	0.FF	0.10	0.06+	(0.FP1)	0.021
6	0.+2	0.10	0.06+	(0.FP0)	0.021
f	0.60	0.10	0.06+	(0.Ff9)	0.021
P	0.68	0.10	0.06+	(0.FfP)	0.021
8	0.fP	0.10	0.06+	(0.Fff)	0.021
9	0.P6	0.10	0.06+	(0.Ff+)	0.021
10	0.8F	0.1F	0.0P2	(0.FfF)	0.02P
11	0.92	0.1F	0.0P2	(0.Ff1)	0.02P
12	1.00	0.1F	0.0P2	(0.Ff0)	0.02P
1F	1.08	0.10	0.06+	(0.F69)	0.021
1+	1.1P	0.10	0.06+	(0.F6P)	0.021
16	1.26	0.10	0.06+	(0.F6F)	0.021
1f	1.FF	0.10	0.06+	(0.F6+)	0.021
1P	1.+2	0.10	0.06+	(0.F6F)	0.021
18	1.60	0.10	0.06+	(0.F61)	0.021
19	1.68	0.10	0.06+	(0.F60)	0.021
20	1.fP	0.10	0.06+	(0.F+9)	0.021
21	1.P6	0.10	0.06+	(0.F+P)	0.021
22	1.8F	0.1F	0.0P2	(0.F+f)	0.02P
2F	1.92	0.1F	0.0P2	(0.F++)	0.02P
2+	2.00	0.1F	0.0P2	(0.F+F)	0.02P
26	2.08	0.1F	0.0P2	(0.F+2)	0.02P
2f	2.1P	0.1F	0.0P2	(0.F+0)	0.02P
2P	2.26	0.1F	0.0P2	(0.FF9)	0.02P
28	2.FF	0.1F	0.0P2	(0.FF8)	0.02P
29	2.+2	0.1F	0.0P2	(0.FFf)	0.02P
F0	2.60	0.1F	0.0P2	(0.FF6)	0.02P
F1	2.68	0.1P	0.090	(0.FFF)	0.0F+
F2	2.fP	0.1P	0.090	(0.FF2)	0.0F+
FF	2.P6	0.1P	0.090	(0.FF1)	0.0F+
F+	2.8F	0.1P	0.090	(0.F29)	0.0F+
F6	2.92	0.1P	0.090	(0.F28)	0.0F+
Ff	F.00	0.1P	0.090	(0.F2P)	0.0F+
FP	F.08	0.1P	0.090	(0.F26)	0.0F+
F8	F.1P	0.1P	0.090	(0.F2+)	0.0F+
F9	F.26	0.1P	0.090	(0.F2F)	0.0F+
+0	F.FF	0.1P	0.090	(0.F21)	0.0F+
+1	F.+2	0.1P	0.090	(0.F20)	0.0F+
+2	F.60	0.1P	0.090	(0.F19)	0.0F+
+F	F.68	0.1P	0.090	(0.F1P)	0.0F+
++	F.fP	0.1P	0.090	(0.F1f)	0.0F+
+6	F.P6	0.1P	0.090	(0.F16)	0.0F+
+	F.8F	0.20	0.108	(0.F1F)	0.0+1
+P	F.92	0.20	0.108	(0.F12)	0.0+1
+8	+.00	0.20	0.108	(0.F11)	0.0+1
+9	+.08	0.20	0.108	(0.F09)	0.0+1
60	+.1P	0.20	0.108	(0.F08)	0.0+1
61	+.26	0.20	0.108	(0.F0P)	0.0+1
62	+.FF	0.2F	0.12F	(0.F06)	0.0+8
6F	+.+2	0.2F	0.12F	(0.F0+)	0.0+8
6+	+.60	0.2F	0.12F	(0.F0F)	0.0+8
66	+.68	0.2F	0.12F	(0.F01)	0.0+8
6f	+.fP	0.2F	0.12F	(0.F00)	0.0+8
6P	+.P6	0.2F	0.12F	(0.299)	0.0+8
68	+.8F	0.2P	0.1++	(0.298)	0.066
69	+.92	0.2P	0.1++	(0.29f)	0.066
f0	6.00	0.2P	0.1++	(0.296)	0.066
f1	6.08	0.20	0.108	(0.29+)	0.0+1
f2	6.1P	0.20	0.108	(0.292)	0.0+1
ff	6.26	0.20	0.108	(0.291)	0.0+1
f+	6.FF	0.2F	0.12F	(0.290)	0.0+8
f6	6.+2	0.2F	0.12F	(0.289)	0.0+8
ff	6.60	0.2F	0.12F	(0.28P)	0.0+8
fP	6.68	0.2P	0.1++	(0.28f)	0.066
f8	6.fP	0.2P	0.1++	(0.286)	0.066
f9	6.P6	0.2P	0.1++	(0.28+)	0.066
P0	6.8F	0.2P	0.1++	(0.282)	0.066
P1	6.92	0.2P	0.1++	(0.281)	0.066
P2	f.00	0.2P	0.1++	(0.280)	0.066
PF	f.08	0.F0	0.1f2	(0.2P9)	0.0f2
P+	f.1P	0.F0	0.1f2	(0.2PP)	0.0f2

Pro1 100yr24hr

Page 2 of 9

P6	f.26	0.F0	0.1f2	(0.2Pf)	0.0f2	0.100
Pf	f.FF	0.F0	0.1f2	(0.2P6)	0.0f2	0.100
PP	f.+2	0.F0	0.1f2	(0.2P+)	0.0f2	0.100
P8	f.60	0.F0	0.1f2	(0.2P2)	0.0f2	0.100
P9	f.68	0.FF	0.180	(0.2P1)	0.0f8	0.112
80	f.fP	0.FF	0.180	(0.2P0)	0.0f8	0.112
81	f.p6	0.FF	0.180	(0.2f9)	0.0f8	0.112
82	f.8f	0.FF	0.180	(0.2f8)	0.0f8	0.112
8f	f.92	0.FF	0.180	(0.2ff)	0.0f8	0.112
8+	P.00	0.FF	0.180	(0.2f6)	0.0f8	0.112
86	P.08	0.FF	0.180	(0.2f+)	0.0f8	0.112
8f	P.1P	0.FF	0.180	(0.2ff)	0.0f8	0.112
8P	P.26	0.FF	0.180	(0.2f2)	0.0f8	0.112
88	P.FF	0.FP	0.198	(0.2f0)	0.0P6	0.12F
89	P.+2	0.FP	0.198	(0.269)	0.0P6	0.12F
90	P.60	0.FP	0.198	(0.268)	0.0P6	0.12F
91	P.68	0.+0	0.21f	(0.26P)	0.082	0.1F+
92	P.fP	0.+0	0.21f	(0.26f)	0.082	0.1F+
9f	P.p6	0.+0	0.21f	(0.26+)	0.082	0.1F+
9+	P.8f	0.+F	0.2F+	(0.26F)	0.089	0.1+6
96	P.92	0.+F	0.2F+	(0.262)	0.089	0.1+6
9f	8.00	0.+F	0.2F+	(0.261)	0.089	0.1+6
9P	8.08	0.60	0.2P0	(0.260)	0.10F	0.1fP
98	8.1P	0.60	0.2P0	(0.2+9)	0.10F	0.1fP
99	8.26	0.60	0.2P0	(0.2+P)	0.10F	0.1fP
100	8.FF	0.60	0.2P0	(0.2+f)	0.10F	0.1fP
101	8.+2	0.60	0.2P0	(0.2+6)	0.10F	0.1fP
102	8.60	0.60	0.2P0	(0.2++)	0.10F	0.1fP
10f	8.68	0.6F	0.288	(0.2+f)	0.109	0.1P9
10+	8.fP	0.6F	0.288	(0.2+2)	0.109	0.1P9
106	8.p6	0.6F	0.288	(0.2+1)	0.109	0.1P9
10f	8.8f	0.6P	0.F0f	(0.2f9)	0.11f	0.190
10P	8.92	0.6P	0.F0f	(0.2f8)	0.11f	0.190
108	9.00	0.6P	0.F0f	(0.2fP)	0.11f	0.190
109	9.08	0.fF	0.F+2	(0.2ff)	0.1F0	0.212
110	9.1P	0.fF	0.F+2	(0.2f6)	0.1F0	0.212
111	9.26	0.fF	0.F+2	(0.2f+)	0.1F0	0.212
112	9.FF	0.fP	0.Ff0	(0.2ff)	0.1FP	0.22F
11f	9.+2	0.fP	0.Ff0	(0.2f2)	0.1FP	0.22F
11+	9.60	0.fP	0.Ff0	(0.2f0)	0.1FP	0.22F
116	9.68	0.P0	0.FP8	(0.229)	0.1++	0.2F+
11f	9.fP	0.P0	0.FP8	(0.228)	0.1++	0.2F+
11P	9.p6	0.P0	0.FP8	(0.22P)	0.1++	0.2F+
118	9.8f	0.PF	0.F9f	(0.22f)	0.160	0.2+f
119	9.92	0.PF	0.F9f	(0.226)	0.160	0.2+f
120	10.00	0.PF	0.F9f	(0.22+)	0.160	0.2+f
121	10.08	0.60	0.2P0	(0.22f)	0.10F	0.1fP
122	10.1P	0.60	0.2P0	(0.222)	0.10F	0.1fP
12f	10.26	0.60	0.2P0	(0.221)	0.10F	0.1fP
12+	10.FF	0.60	0.2P0	(0.220)	0.10F	0.1fP
126	10.+2	0.60	0.2P0	(0.218)	0.10F	0.1fP
12f	10.60	0.60	0.2P0	(0.21P)	0.10F	0.1fP
12P	10.68	0.fP	0.Ff0	(0.21f)	0.1FP	0.22F
128	10.fP	0.fP	0.Ff0	(0.216)	0.1FP	0.22F
129	10.p6	0.fP	0.Ff0	(0.21+)	0.1FP	0.22F
1F0	10.8f	0.fP	0.Ff0	(0.21f)	0.1FP	0.22F
1F1	10.92	0.fP	0.Ff0	(0.212)	0.1FP	0.22F
1F2	11.00	0.fP	0.Ff0	(0.211)	0.1FP	0.22F
1FF	11.08	0.fF	0.F+2	(0.210)	0.1F0	0.212
1F+	11.1P	0.fF	0.F+2	(0.209)	0.1F0	0.212
1F6	11.26	0.fF	0.F+2	(0.208)	0.1F0	0.212
1Ff	11.FF	0.fF	0.F+2	(0.20P)	0.1F0	0.212
1FP	11.+2	0.fF	0.F+2	(0.20f)	0.1F0	0.212
1F8	11.60	0.fF	0.F+2	(0.206)	0.1F0	0.212
1F9	11.68	0.6P	0.F0f	(0.20+)	0.11f	0.190
1+0	11.fP	0.6P	0.F0f	(0.20f)	0.11f	0.190
1+1	11.p6	0.6P	0.F0f	(0.202)	0.11f	0.190
1+2	11.8f	0.f0	0.F2+	(0.201)	0.12F	0.201
1+f	11.92	0.f0	0.F2+	(0.200)	0.12F	0.201
1++	12.00	0.f0	0.F2+	(0.199)	0.12F	0.201
1+6	12.08	0.8F	0.+60	(0.198)	0.1P1	0.2P9
1+f	12.1P	0.8F	0.+60	(0.19P)	0.1P1	0.2P9
1+P	12.26	0.8F	0.+60	(0.19f)	0.1P1	0.2P9
1+8	12.FF	0.8P	0.+f8	(0.196)	0.1P8	0.290
1+9	12.+2	0.8P	0.+f8	(0.19+)	0.1P8	0.290
160	12.60	0.8P	0.+f8	(0.19f)	0.1P8	0.290
161	12.68	0.9F	0.60+	(0.192)	0.192	0.F12
162	12.fP	0.9F	0.60+	0.191	(0.192)	0.F1F
16f	12.p6	0.9F	0.60+	0.190	(0.192)	0.F1+
16+	12.8f	0.9P	0.622	0.189	(0.198)	0.FFF
166	12.92	0.9P	0.622	0.188	(0.198)	0.FF+
16f	1F.00	0.9P	0.622	0.18P	(0.198)	0.FF6
16P	1F.08	1.1F	0.f12	0.18f	(0.2ff)	0.+2f
168	1F.1P	1.1F	0.f12	0.186	(0.2ff)	0.+2P
169	1F.26	1.1F	0.f12	0.18+	(0.2ff)	0.+28
1F0	1F.FF	1.1F	0.f12	0.18F	(0.2ff)	0.+29
1f1	1F.+2	1.1F	0.f12	0.182	(0.2ff)	0.+29

Pro1 100yr24hr

Page 3 of 9

1f2	1F.60	1.1F	0.f12	0.182	(0.2FF)	0.+F0
1ff	1F.68	0.PP	0.+1+	(0.181)	0.16P	0.26P
1f+	1F.fP	0.PP	0.+1+	(0.180)	0.16P	0.26P
1f6	1F.P6	0.PP	0.+1+	(0.1P9)	0.16P	0.26P
1ff	1F.8F	0.PP	0.+1+	(0.1P8)	0.16P	0.26P
1fP	1F.92	0.PP	0.+1+	(0.1PP)	0.16P	0.26P
1f8	1+.00	0.PP	0.+1+	(0.1Pf)	0.16P	0.26P
1f9	1+.08	0.90	0.+8F	0.1P6	(0.186)	0.F11
1P0	1+.1P	0.90	0.+8F	0.1P+	(0.186)	0.F12
1P1	1+.26	0.90	0.+8F	0.1PF	(0.186)	0.F1F
1P2	1+.FF	0.8P	0.+f8	0.1PF	(0.1P8)	0.296
1PF	1+.+2	0.8P	0.+f8	0.1P2	(0.1P8)	0.29f
1P+	1+.60	0.8P	0.+f8	0.1P1	(0.1P8)	0.29P
1P6	1+.68	0.8P	0.+f8	0.1P0	(0.1P8)	0.298
1Pf	1+.fP	0.8P	0.+f8	0.1f9	(0.1P8)	0.299
1PP	1+.P6	0.8P	0.+f8	0.1f8	(0.1P8)	0.F00
1P8	1+.8F	0.8F	0.+60	0.1fP	(0.1P1)	0.28F
1P9	1+.92	0.8F	0.+60	0.1ff	(0.1P1)	0.28+
180	16.00	0.8F	0.+60	0.1ff	(0.1P1)	0.28+
181	16.08	0.80	0.+F2	(0.1f6)	0.1f+	0.2f8
182	16.1P	0.80	0.+F2	0.1f+	(0.1f+)	0.2f8
18F	16.26	0.80	0.+F2	0.1fF	(0.1f+)	0.2f9
18+	16.FF	0.PP	0.+1+	(0.1f2)	0.16P	0.26P
186	16.+2	0.PP	0.+1+	(0.1f1)	0.16P	0.26P
18f	16.60	0.PP	0.+1+	(0.1f1)	0.16P	0.26P
18P	16.68	0.fF	0.F+2	(0.1f0)	0.1F0	0.212
188	16.fP	0.fF	0.F+2	(0.169)	0.1F0	0.212
189	16.P6	0.fF	0.F+2	(0.168)	0.1F0	0.212
190	16.8F	0.fF	0.F+2	(0.16P)	0.1F0	0.212
191	16.92	0.fF	0.F+2	(0.16f)	0.1F0	0.212
192	1f.00	0.fF	0.F+2	(0.16f)	0.1F0	0.212
19F	1f.08	0.1F	0.0P2	(0.166)	0.02P	0.0+6
19+	1f.1P	0.1F	0.0P2	(0.16+)	0.02P	0.0+6
196	1f.26	0.1F	0.0P2	(0.16F)	0.02P	0.0+6
19f	1f.FF	0.1F	0.0P2	(0.16F)	0.02P	0.0+6
19P	1f.+2	0.1F	0.0P2	(0.162)	0.02P	0.0+6
198	1f.60	0.1F	0.0P2	(0.161)	0.02P	0.0+6
199	1f.68	0.10	0.06+	(0.160)	0.021	0.OFF
200	1f.fP	0.10	0.06+	(0.1+9)	0.021	0.OFF
201	1f.P6	0.10	0.06+	(0.1+9)	0.021	0.OFF
202	1f.8F	0.10	0.06+	(0.1+8)	0.021	0.OFF
20F	1f.92	0.10	0.06+	(0.1+P)	0.021	0.OFF
20+	1P.00	0.10	0.06+	(0.1+f)	0.021	0.OFF
206	1P.08	0.1P	0.090	(0.1+f)	0.0F+	0.06f
20f	1P.1P	0.1P	0.090	(0.1+6)	0.0F+	0.06f
20P	1P.26	0.1P	0.090	(0.1++)	0.0F+	0.06f
208	1P.FF	0.1P	0.090	(0.1+f)	0.0F+	0.06f
209	1P.+2	0.1P	0.090	(0.1+f)	0.0F+	0.06f
210	1P.60	0.1P	0.090	(0.1+2)	0.0F+	0.06f
211	1P.68	0.1P	0.090	(0.1+1)	0.0F+	0.06f
212	1P.fP	0.1P	0.090	(0.1+1)	0.0F+	0.06f
21F	1P.P6	0.1P	0.090	(0.1+0)	0.0F+	0.06f
21+	1P.8F	0.1F	0.0P2	(0.1F9)	0.02P	0.0+6
216	1P.92	0.1F	0.0P2	(0.1F9)	0.02P	0.0+6
21f	18.00	0.1F	0.0P2	(0.1F8)	0.02P	0.0+6
21P	18.08	0.1F	0.0P2	(0.1FP)	0.02P	0.0+6
218	18.1P	0.1F	0.0P2	(0.1FP)	0.02P	0.0+6
219	18.26	0.1F	0.0P2	(0.1FF)	0.02P	0.0+6
220	18.FF	0.1F	0.0P2	(0.1F6)	0.02P	0.0+6
221	18.+2	0.1F	0.0P2	(0.1F6)	0.02P	0.0+6
222	18.60	0.1F	0.0P2	(0.1F+)	0.02P	0.0+6
22F	18.68	0.10	0.06+	(0.1FF)	0.021	0.OFF
22+	18.fP	0.10	0.06+	(0.1FF)	0.021	0.OFF
226	18.P6	0.10	0.06+	(0.1F2)	0.021	0.OFF
22f	18.8F	0.0P	0.0Ff	(0.1F1)	0.01+	0.022
22P	18.92	0.0P	0.0Ff	(0.1F1)	0.01+	0.022
228	19.00	0.0P	0.0Ff	(0.1F0)	0.01+	0.022
229	19.08	0.10	0.06+	(0.129)	0.021	0.OFF
2F0	19.1P	0.10	0.06+	(0.129)	0.021	0.OFF
2F1	19.26	0.10	0.06+	(0.128)	0.021	0.OFF
2F2	19.FF	0.1F	0.0P2	(0.128)	0.02P	0.0+6
2FF	19.+2	0.1F	0.0P2	(0.12P)	0.02P	0.0+6
2F+	19.60	0.1F	0.0P2	(0.12f)	0.02P	0.0+6
2F6	19.68	0.10	0.06+	(0.12f)	0.021	0.OFF
2Ff	19.fP	0.10	0.06+	(0.126)	0.021	0.OFF
2FP	19.P6	0.10	0.06+	(0.126)	0.021	0.OFF
2F8	19.8F	0.0P	0.0Ff	(0.12+)	0.01+	0.022
2F9	19.92	0.0P	0.0Ff	(0.12+)	0.01+	0.022
2+0	20.00	0.0P	0.0Ff	(0.12F)	0.01+	0.022
2+1	20.08	0.10	0.06+	(0.12F)	0.021	0.OFF
2+2	20.1P	0.10	0.06+	(0.122)	0.021	0.OFF
2+F	20.26	0.10	0.06+	(0.121)	0.021	0.OFF
2++	20.FF	0.10	0.06+	(0.121)	0.021	0.OFF
2+6	20.+2	0.10	0.06+	(0.120)	0.021	0.OFF
2+f	20.60	0.10	0.06+	(0.120)	0.021	0.OFF
2+P	20.68	0.10	0.06+	(0.119)	0.021	0.OFF
2+8	20.fP	0.10	0.06+	(0.119)	0.021	0.OFF

Pro1 100yr24hr

Page 4 of 9

[illegible]

*ibe(hRb)	voIube	AC.:t	Q(C:S)	0	2.6	6.0	P.6	10.0
0R 6	0.000P	0.10	Q					
0R10	0.0021	0.20	Q					
0R16	0.00F6	0.21	Q					
0R20	0.006+	0.2P	VQ					
0R26	0.00Pf	0.F2	VQ					
0RF0	0.0099	0.FF	VQ					
0RF6	0.0122	0.FF	VQ					
0R+0	0.01+6	0.FF	VQ					
0R+6	0.01f8	0.FF	VQ					
0R60	0.019+	0.F8	VQ					
0R66	0.022+	0.+F	VQ					
1R 0	0.026+	0.++	VQ					
1R 6	0.0281	0.F9	VQ					
1R10	0.0F06	0.F6	VQ					
1R16	0.0F28	0.F+	VQ					
1R20	0.0F61	0.FF	VQ					
1R26	0.0FP+	0.FF	VQ					
1RF0	0.0F9P	0.FF	VQ					
1RF6	0.0+20	0.FF	VQ					
1R+0	0.0++F	0.FF	VQ					
1R+6	0.0+ff	0.FF	VQ					
1R60	0.0+9F	0.F8	VQ					
1R66	0.0622	0.+F	VQ					
2R 0	0.066F	0.++	VQ					
2R 6	0.068F	0.++	Q					
2R10	0.0f1+	0.++	Q					

2R16	0.0f++	0.++	Q				
2R20	0.0fP6	0.++	Q				
2R26	0.0P0F	0.++	Q				
2RF0	0.0PFf	0.++	Q				
2RF6	0.0PP0	0.60	Q				
2R+0	0.0808	0.6+	VQ				
2R+6	0.08+f	0.66	VQ				
2R60	0.088+	0.6f	VQ				
2R66	0.0922	0.6f	VQ				
FR 0	0.09f0	0.6f	VQ				
FR 6	0.0999	0.6f	VQ				
FR10	0.10FP	0.6f	VQ				
FR16	0.10P6	0.6f	VQ				
FR20	0.111f	0.6f	VQ				
FR26	0.1162	0.6f	VQ				
FRF0	0.1190	0.6f	Q				
FRF6	0.1228	0.6f	Q				
FR+0	0.12ff	0.6f	Q				
FR+6	0.1F06	0.6f	Q				
FR60	0.1F+f	0.f1	Q				
FR66	0.1F92	0.f6	Q				
+R 0	0.1+FP	0.ff	Q				
+R 6	0.1+8F	0.fP	Q				
+R10	0.1629	0.fP	Q				
+R16	0.16P6	0.fP	Q				
+R20	0.1f2+	0.P2	Q				
+R26	0.1fPP	0.Pf	VQ				
+RF0	0.1PF0	0.PP	VQ				
+RF6	0.1P8+	0.P8	Q				
+R+0	0.18FP	0.P8	Q				
+R+6	0.1891	0.P8	Q				
+R60	0.19+8	0.8F	Q				
+R66	0.2008	0.88	Q				
GR 0	0.20f9	0.88	Q				
GR 6	0.212F	0.P9	Q				
GR10	0.21P1	0.f9	QV				
GR16	0.221P	0.fP	QV				
GR20	0.22fP	0.P2	QV				
GR26	0.2F19	0.Pf	Q				
GRF0	0.2FPF	0.PP	QV				
GRF6	0.2+f0	0.8F	QV				
GR+0	0.2+90	0.88	QV				
GR+6	0.2661	0.88	QV				
GR60	0.2f12	0.89	QV				
GR66	0.2fPF	0.89	QV				
FR 0	0.2PF6	0.89	QV				
FR 6	0.2P99	0.9+	QV				
FR10	0.28fP	0.99	QV				
FR16	0.29Ff	1.00	Q V				
FR20	0.F006	1.00	Q V				
FR26	0.F0P+	1.00	Q V				
FRF0	0.F1+2	1.00	Q V				
FRF6	0.F216	1.06	QV				
FR+0	0.F290	1.10	QV				
FR+6	0.FFfP	1.11	QV				
FR60	0.F++F	1.11	QV				
FR66	0.F620	1.11	Q V				
PR 0	0.F69f	1.11	Q V				
PR 6	0.FfPF	1.11	Q V				
PR10	0.FP+9	1.11	Q V				
PR16	0.F82f	1.11	Q V				
PR20	0.F90f	1.1f	Q V				
PR26	0.F989	1.21	Q V				
PRF0	0.+0PF	1.22	Q V				
PRF6	0.+1f0	1.2P	Q V				
PR+0	0.+261	1.F2	Q V				
PR+6	0.+F+F	1.FF	Q V				
PR60	0.++F8	1.F8	Q V				
PR66	0.+6FP	1.+F	Q V				
8R 0	0.+ffF	1.++	Q V				
8R 6	0.+P+F	1.66	Q V				
8R10	0.+866	1.f+	Q V				
8R16	0.+9P0	1.ff	Q V				
8R20	0.608+	1.fP	Q V				
8R26	0.6199	1.fP	Q V				
8RF0	0.6F1+	1.fP	Q V				
8RF6	0.6+F2	1.P2	Q V				
8R+0	0.666+	1.Pf	Q V				
8R+6	0.6fPf	1.PP	Q V				
8R60	0.6802	1.8F	Q V				
8R66	0.69F1	1.88	Q V				
9R 0	0.f0f1	1.88	Q V				
9R 6	0.f198	1.99	Q V				
9R10	0.fF+1	2.08	Q V				
9R16	0.f+8f	2.10	Q V				
9R20	0.fff6	2.1f	Q V				
9R26	0.fP8P	2.21	Q V				

Pro1 100yr24hr

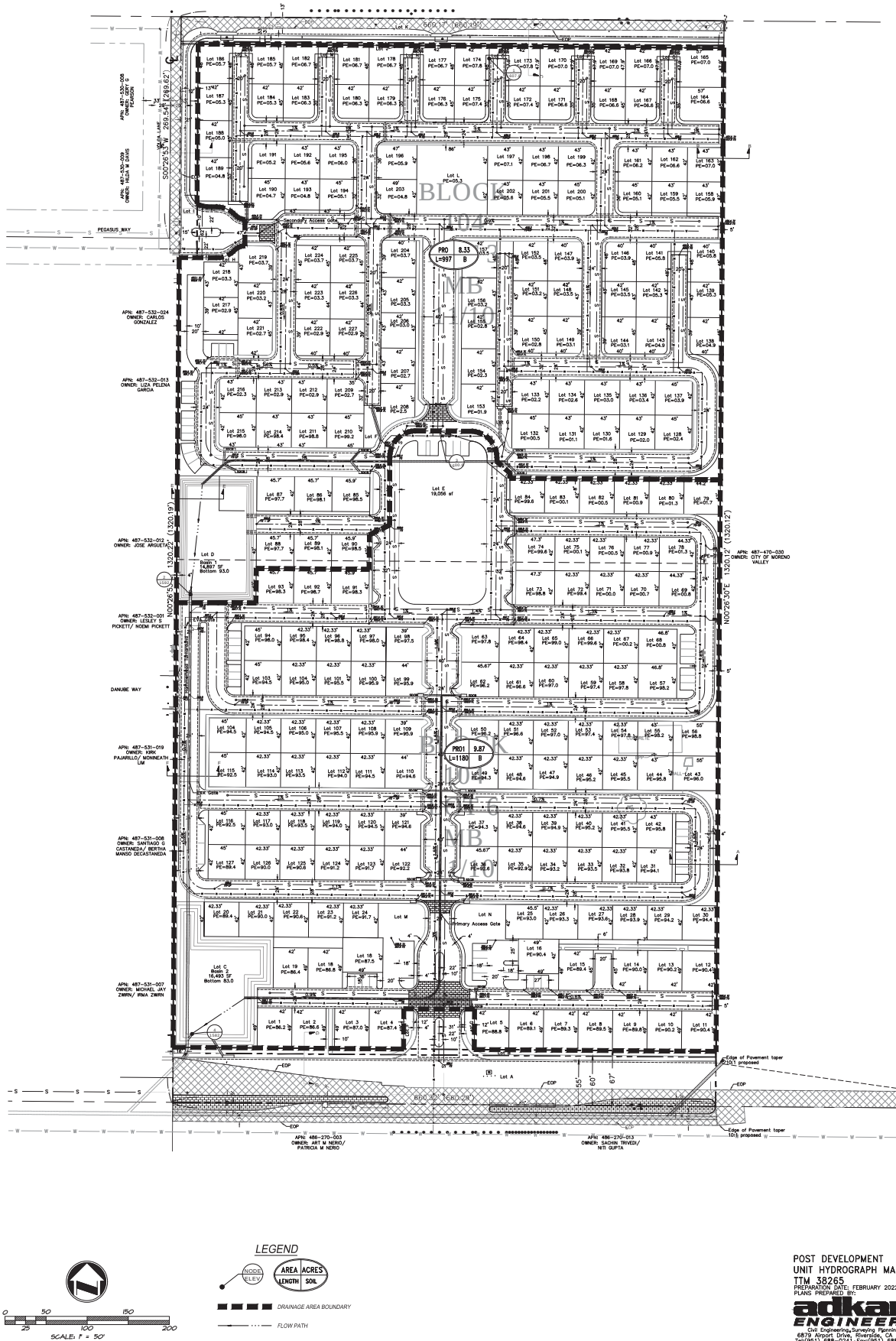
Page 6 of 9

9RF0	0.f9+0	2.22	Q	V		
9RF6	0.P09F	2.2P	Q	V		
9R+0	0.P26F	2.F2	Q	V		
9R+6	0.P+1P	2.FF	Q	V		
9R60	0.P681	2.F8	Q	V		
9R66	0.PP+8	2.+F	Q	V		
10R 0	0.P91f	2.++	Q	V		
10R 6	0.80f0	2.08	Q	V		
10R10	0.8180	1.Pf	Q	V		
10R16	0.829P	1.f9	Q	V		
10R20	0.8+12	1.fP	Q	V		
10R26	0.862P	1.fP	Q	V		
10RF0	0.8f+1	1.fP	Q	V		
10RF6	0.8PP+	1.92	Q	V		
10R+0	0.8922	2.1f	Q	V		
10R+6	0.90P+	2.20	Q	V		
10R60	0.922P	2.22	Q	V		
10R66	0.9F80	2.22	Q	V		
11R 0	0.96FF	2.22	Q	V		
11R 6	0.9f82	2.1P	Q	V		
11R10	0.9829	2.12	Q	V		
11R16	0.99P+	2.11	Q	V		
11R20	1.0119	2.11	Q	V		
11R26	1.02f6	2.11	Q	V		
11RF0	1.0+10	2.11	Q	V		
11RF6	1.06+8	2.01	Q	V		
11R+0	1.0f80	1.91	Q	V		
11R+6	1.0811	1.90	Q	V		
11R60	1.09++	1.9+	Q	V		
11R66	1.1081	1.99	Q	V		
12R 0	1.1219	2.00	Q	V		
12R 6	1.1F81	2.Ff	Q	V		
12R10	1.16ff	2.f9	Q	V		
12R16	1.1P6f	2.P6	Q	V		
12R20	1.1960	2.8F	Q	V		
12R26	1.21+8	2.8P	Q	V		
12RF0	1.2F+P	2.88	Q	V		
12RF6	1.266F	2.99	Q	V		
12R+0	1.2P6	F.09	Q	V		
12R+6	1.2980	F.11	Q	V		
12R60	1.F201	F.21	Q	V		
12R66	1.F+28	F.F0	Q	V		
1FR 0	1.Ff6f	F.F2	Q	V		
1FR 6	1.F916	F.P6	Q	V		
1FR10	1.+200	+1+	Q	V		
1FR16	1.++90	+22	Q	V		
1FR20	1.+P8F	+2f	Q	V		
1FR26	1.60PP	+2P	Q	V		
1FRF0	1.6FP2	+28	Q	V		
1FRF6	1.6f12	F.+8	Q	V		
1FR+0	1.6801	2.P6	Q	V		
1FR+6	1.6981	2.f1	Q	V		
1FR60	1.f16P	2.66	Q	V		
1FR66	1.fFFF	2.66	Q	V		
1+R 0	1.f609	2.66	Q	V		
1+R 6	1.fP02	2.80	Q	V		
1+R10	1.f911	F.0+	Q	V		
1+R16	1.P12+	F.09	Q	V		
1+R20	1.PFFF	F.0F	Q	V		
1+R26	1.P6FP	2.9f	Q	V		
1+RF0	1.PP+0	2.9f	Q	V		
1+RF6	1.P9++	2.9f	Q	V		
1+R+0	1.81+9	2.9P	Q	V		
1+R+6	1.8F6+	2.98	Q	V		
1+R60	1.866+	2.90	Q	V		
1+R66	1.8P+9	2.8+	Q	V		
16R 0	1.89++	2.8F	Q	V		
16R 6	1.91F+	2.P6	Q	V		
16R10	1.9F19	2.f9	Q	V		
16R16	1.960F	2.f8	Q	V		
16R20	1.9f8+	2.f2	Q	V		
16R26	1.98f1	2.6P	Q	V		
16RF0	2.00FP	2.6f	Q	V		
16RF6	2.0198	2.F6	Q	V		
16R+0	2.0F+P	2.1f	Q	V		
16R+6	2.0+9+	2.1F	Q	V		
16R60	2.0fF9	2.11	Q	V		
16R66	2.0P8+	2.11	Q	V		
1fR 0	2.09F0	2.11	Q	V		
1fR 6	2.1022	1.F+	Q	V		
1fR10	2.10ff	0.f+	Q	V		
1fR16	2.1100	0.60	Q	V		
1fR20	2.11F1	0.++	Q	V		
1fR26	2.11f1	0.++	Q	V		
1fRF0	2.1192	0.++	Q	V		
1fRF6	2.1219	0.F9	Q	V		
1fR+0	2.12+F	0.F6	Q	V		

1FR+6	2.12ff	0.F+	Q				V
1FR60	2.1289	0.FF	Q				V
1FR66	2.1F12	0.FF	Q				V
1PR 0	2.1FF6	0.FF	Q				V
1PR 6	2.1FF6	0.++	Q				V
1PR10	2.1+01	0.6F	Q				V
1PR16	2.1+F9	0.66	Q				V
1PR20	2.1+PP	0.6f	Q				V
1PR26	2.161f	0.6f	Q				V
1PRF0	2.166+	0.6f	Q				V
1PRF6	2.1692	0.6f	Q				V
1PR+0	2.1ff0	0.6f	Q				V
1PR+6	2.1ff9	0.6f	Q				V
1PR60	2.1P0F	0.60	Q				V
1PR66	2.1PF6	0.+f	Q				V
18R 0	2.1Pff	0.+6	Q				V
18R 6	2.1P9f	0.++	Q				V
18R10	2.182P	0.++	Q				V
18R16	2.186P	0.++	Q				V
18R20	2.1888	0.++	Q				V
18R26	2.1919	0.++	Q				V
18RF0	2.19+9	0.++	Q				V
18RF6	2.19Pf	0.F9	Q				V
18R+0	2.2000	0.F6	Q				V
18R+6	2.202F	0.F+	Q				V
18R60	2.20+F	0.28	Q				V
18R66	2.2069	0.2F	Q				V
19R 0	2.20P6	0.2F	Q				V
19R 6	2.209F	0.2P	Q				V
19R10	2.2116	0.F2	Q				V
19R16	2.21F8	0.FF	Q				V
19R20	2.21f6	0.F8	Q				V
19R26	2.219+	0.+F	Q				V
19RF0	2.2226	0.++	Q				V
19RF6	2.2262	0.F9	Q				V
19R+0	2.22Pf	0.F6	Q				V
19R+6	2.2299	0.F+	Q				V
19R60	2.2F18	0.28	Q				V
19R66	2.2FF+	0.2F	Q				V
20R 0	2.2F60	0.2F	Q				V
20R 6	2.2F9	0.2P	Q				V
20R10	2.2F91	0.F2	Q				V
20R16	2.2+1F	0.FF	Q				V
20R20	2.2+ff	0.FF	Q				V
20R26	2.2+69	0.FF	Q				V
20RF0	2.2+82	0.FF	Q				V
20RF6	2.2606	0.FF	Q				V
20R+0	2.2628	0.FF	Q				V
20R+6	2.2661	0.FF	Q				V
20R60	2.26P1	0.28	Q				V
20R66	2.268P	0.2F	Q				V
21R 0	2.2f02	0.2F	Q				V
21R 6	2.2f21	0.2P	Q				V
21R10	2.2f+F	0.F2	Q				V
21R16	2.2fff	0.FF	Q				V
21R20	2.2f86	0.28	Q				V
21R26	2.2P01	0.2F	Q				V
21RF0	2.2P1P	0.2F	Q				V
21RF6	2.2PFf	0.2P	Q				V
21R+0	2.2P68	0.F2	Q				V
21R+6	2.2P81	0.FF	Q				V
21R60	2.2800	0.28	Q				V
21R66	2.281f	0.2F	Q				V
22R 0	2.28F2	0.2F	Q				V
22R 6	2.2861	0.2P	Q				V
22R10	2.28PF	0.F2	Q				V
22R16	2.2896	0.FF	Q				V
22R20	2.2916	0.28	Q				V
22R26	2.29F1	0.2F	Q				V
22RF0	2.29+P	0.2F	Q				V
22RF6	2.29f2	0.22	Q				V
22R+0	2.29PP	0.22	Q				V
22R+6	2.2992	0.22	Q				V
22R60	2.F008	0.22	Q				V
22R66	2.F02F	0.22	Q				V
2FR 0	2.F0F8	0.22	Q				V
2FR 6	2.F06+	0.22	Q				V
2FR10	2.F0f9	0.22	Q				V
2FR16	2.F08+	0.22	Q				V
2FR20	2.F099	0.22	Q				V
2FR26	2.F116	0.22	Q				V
2FRF0	2.F1F0	0.22	Q				V
2FRF6	2.F1+6	0.22	Q				V
2FR+0	2.F1f1	0.22	Q				V
2FR+6	2.F1Pf	0.22	Q				V
2FR60	2.F191	0.22	Q				V
2FR66	2.F20P	0.22	Q				V

2+R 0	2.F222	0.22	Q				V
2+R 6	2.F2F0	0.12	Q				V
2+R10	2.F2F2	0.0F	Q				V
2+R16	2.F2F2	0.01	Q				V

POST-DEVELOPMENT UNIT HYDROGRAPH MAP TTM 38265



Section 5

Basin Routing

NORTH

Storm Event	Existing		Proposed		Proposed		
	cfs	volume ac.ft.	cfs	volume ac.ft.	cfs	volume ac.ft.	Depth
2yr1hr	5.033	0.0976	7.961	0.2366	0.002	0.2360	2.50
2yr3hr	1.181	0.0674	3.845	0.3446	0.003	0.3440	3.20
2yr6hr	1.160	0.0941	3.884	0.5172	0.004	0.5160	3.76
2yr24hr	0.206	0.1249	1.275	0.7747	0.094	0.7080	4.60
5yr1hr	7.653	0.1539	11.247	0.3243	0.003	0.3240	3.13
5yr3hr	2.915	0.1269	5.705	0.4665	0.004	0.4660	3.60
5yr6hr	2.463	0.1452	5.285	0.6545	0.051	0.6510	4.31
5yr24hr	0.278	0.1688	1.723	1.0468	0.256	0.9050	5.52
10yr1hr	11.384	0.2895	14.451	0.4125	0.003	0.4120	3.42
10yr3hr	5.917	0.2687	7.867	0.5890	0.004	0.5880	4.00
10yr6hr	5.253	0.2922	7.143	0.7879	0.147	0.7790	4.95
10yr24hr	0.628	0.2135	2.062	1.2527	0.398	1.0550	6.18
100yr1hr	18.974	0.5742	22.938	0.6858	0.075	0.6840	4.47
100yr3hr	10.594	0.5965	12.850	0.9560	0.290	0.9420	5.69
100yr6hr	8.952	0.6027	11.078	1.1939	0.510	1.1580	6.60
100yr24hr	2.443	0.6082	3.611	1.9608	2.511	1.3700	7.42

Basin Size and Flow Calculations

NORTH

100YR24HR= 1.3526
10y/24hr= 1.0392

BASIN PARAMETERS					OUTLET									
Basin Elevation	Depth	Area S.F.	Volume C.F.	Volume AC-FT	Effective Volume AC-FT	Q ₁ Orifice Plate (cfs)	Q ₂ Orifice Plate (cfs)	Q ₃ Orifice Plate (cfs)	Q ₄ Orifice Plate (cfs)	Q ₅ Orifice Plate (cfs)	Q ₆ Orifice Plate (cfs)	Q ₇ Orifice Plate (cfs)	Q Weir 1 (cfs)	Q Total (cfs)
1588.00	0.00	3.688.00	0.00	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1589.00	1.00	4.585.00	4,126.50	0.095	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1590.00	2.00	4.585.00	8,253.00	0.189	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1591.00	3.00	4.585.00	12,379.50	0.284	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1592.00	4.00	9,170.00	25,676.00	0.589	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1593.00	5.00	10,074.00	34,355.00	0.789	0.199	0.154	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.154
1594.00	6.00	11,015.00	44,049.00	1.011	0.422	0.268	0.082	0.000	0.000	0.000	0.000	0.000	0.000	0.350
1595.00	7.00	11,987.00	54,792.50	1.258	0.668	0.345	0.273	0.000	0.000	0.000	0.000	0.000	0.000	0.618
1595.40	7.40	12,390.00	59,414.60	1.364	0.775	0.372	0.318	0.000	0.000	0.000	0.000	0.000	0.000	0.690
1596.00	8.00	12,994.00	66,646.00	1.530	0.941	0.409	0.377	0.000	0.000	0.000	0.000	0.000	49.525	50.310
SUPPORTING DESIGN PARAMETERS														
Orifice Coefficient					0.66	Dia of Orifice		2.75	3.00					
Gravimetric Constant					32.2 ft/s^2	Eff Dia of Orifice		0.2292	0.2500	0.0000	0.0000	0.0000	0.0000	0.0000
Number of Rows					1	Area of Orifice		0.0412	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Minimum Orifice Plate Height						Number of Orifices		1	1	1	1	1	1	1
Minimum Orifice Plate Width						Centroid Elev		1592.5	1593.9					
						Weir							Sharp Crest Weir Coefficient	
													Length of Weir	
													Elev. at Crest of Weir	
													3.33	
													32.00	
													1595.4	

Orifice Equation

Q=Cd(1/4πD2)½gh

Weir Equation

(Q/(Weir Length* Weir Coefficient))^(2/3)

Q100 Elevation Weir Calc	
2 - 4' X 4' Box Inlet Weir Calc	
Crest Wier Elev.	1595.40
Q100	17.08 cfs
Weir Length	32
Weir Coeff.	3.33
H Weir	0.295072749
Q100 Elevation	1595.70

Q100 Elevation Weir Calc	
Basin Emergency Spillway Weir Calc	
Crest Wier Elev.	1595.70
Q100	17.08 cfs
Weir Length	32
Weir Coeff.	3.33
H Weir	0.295072749
Q100 Elevation	1596.00

Program License Serial Number 5006

***** HYDROGRAPH INFORMATION *****

From study/file name: pro212.rte
 *****HYDROGRAPH DATA*****
 Number of intervals = 15
 Time interval = 5.0 (Min.)
 Maximum/Peak flow rate = 7.961 (CFS)
 Total volume = 0.237 (Ac.Ft)
 Status of hydrographs being held in storage
 Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
 Peak (CFS) 0.000 0.000 0.000 0.000 0.000
 Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

++++++
 Process from Point/Station 1.000 to Point/Station 2.000
 **** RETARDING BASIN ROUTING ****

 User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 15
 Hydrograph time unit = 5.000 (Min.)
 Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
 Initial basin storage = 0.00 (Ac.Ft)
 Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.095	0.001	0.095	0.095
2.000	0.189	0.002	0.189	0.189
3.000	0.284	0.003	0.284	0.284
4.000	0.589	0.004	0.589	0.589
5.000	0.789	0.154	0.788	0.790
6.000	1.011	0.350	1.010	1.012
7.000	1.258	0.618	1.256	1.260
7.400	1.364	0.690	1.362	1.366
8.000	1.530	50.310	1.357	1.703

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	Depth (Ft.)
0.083	0.66	0.00	0.002	0.02
0.167	1.21	0.00	0.009	0.09
0.250	1.42	0.00	0.018	0.19
0.333	1.54	0.00	0.028	0.29
0.417	1.68	0.00	0.039	0.41
0.500	1.90	0.00	0.051	0.54
0.583	2.15	0.00	0.065	0.69
0.667	2.47	0.00	0.081	0.86
0.750	3.23	0.00	0.101	1.06
0.833	7.96	0.00	0.139	1.47
0.917	6.31	0.00	0.189	2.00
1.000	2.59	0.00	0.219	2.32
1.083	1.04	0.00	0.232	2.45
1.167	0.16	0.00	0.236	2.49
1.250	0.03	0.00	0.236	2.50
1.333	0.00	0.00	0.236	2.50

Remaining water in basin = 0.24 (Ac.Ft)

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*****HYDROGRAPH DATA*****
      Number of intervals = 16
      Time interval = 5.0 (Min.)
      Maximum/Peak flow rate = 0.002 (CFS)
      Total volume = 0.000 (Ac.Ft)
      Status of hydrographs being held in storage
      Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
      Peak (CFS) 0.000 0.000 0.000 0.000 0.000
      Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000
*****
```

1.583	1.26	0.00	0.110	O	I					1.16
1.66	1.29	0.00	0.119	O	I					1.26
1.50	1.49	0.00	0.129	O		I				1.36
1.833	1.5	0.00	0.139	O		I				1.4
1.91	1.50	0.00	0.150	O		I				1.58
2.000	1.49	0.00	0.160	O		I				1.69
2.083	1.52	0.00	0.10	O		I				1.80
2.16	1.82	0.00	0.182	O		I				1.92
2.250	2.25	0.00	0.196	O			I			2.0
2.333	2.0	0.00	0.211	O			I			2.23
2.41	2.65	0.00	0.22	O				I		2.40
2.500	3.39	0.00	0.248	O					I	2.62
2.583	3.85	0.00	0.23	O					I	2.88
2.66	3.49	0.00	0.298	O					I	3.05
2.50	2.06	0.00	0.31	O			I			3.11
2.833	1.15	0.00	0.328	O		I				3.14
2.91	0.95	0.00	0.335	O	I					3.1
3.000	0.60	0.00	0.341	O	I					3.19
3.083	0.20	0.00	0.343	O						3.19
3.16	0.04	0.00	0.344	O						3.20
3.250	0.01	0.00	0.344	O						3.20
3.333	0.00	0.00	0.344	O						3.20

Remaining water in basin = 0.34 (Ac.Ft)

*****HYDROGRAPH DATA*****
Number of intervals = 40
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 0.003 (CFS)
Total volume = 0.000 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

Program License Serial Number 5006

***** HYDROGRAPH INFORMATION *****

From study/file name: pro262.rte
 *****HYDROGRAPH DATA*****
 Number of intervals = x5
 Time interval = 5.0 (Min.)
 Makimum/Peaw flo7 rate = 3.884 (CFS)
 Total volume = 0.51x (Ac.Ft)
 Status of hydrographs being held in storage
 Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
 Peaw (CFS) 0.000 0.000 0.000 0.000 0.000
 Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
 Process from Point/Station 1.000 to Point/Station 2.000
 **** RETARDING BASIN ROUTING ****

 User entry of depth-outflo7-storage data

 Total number of inflo7 hydrograph intervals = x5
 Hydrograph time unit = 5.000 (Min.)
 Initial depth in storage basin = 0.00(Ft.)

 Initial basin depth = 0.00 (Ft.)
 Initial basin storage = 0.00 (Ac.Ft)
 Initial basin outflo7 = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	outflo7 (CFS)	(S-o*dt/2) (Ac.Ft)	(S+o*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.095	0.001	0.095	0.095
2.000	0.189	0.002	0.189	0.189
3.000	0.284	0.003	0.284	0.284
4.000	0.589	0.004	0.589	0.589
5.000	0.x89	0.154	0.x88	0.x90
6.000	1.011	0.350	1.010	1.012
x.000	1.258	0.618	1.256	1.260
x.400	1.364	0.690	1.362	1.366
8.000	1.530	50.310	1.35x	1.x03

 Hydrograph Detention Basin Routing

 Graph values: 'I'= unit inflo7; 'O'=outflo7 at time sho7n

Time (Hours)	Inflo7 (CFS)	outflo7 (CFS)	Storage (Ac.Ft)	.0	1.0	1.94	2.91	3.88	Depth (Ft.)
0.083	0.19	0.00	0.001	O I					0.01
0.16x	0.38	0.00	0.003	O I					0.03
0.250	0.44	0.00	0.005	O I					0.06
0.333	0.45	0.00	0.008	O I					0.09
0.41x	0.45	0.00	0.012	O I					0.12
0.500	0.49	0.00	0.015	O I					0.16
0.583	0.52	0.00	0.018	O I					0.19
0.66x	0.52	0.00	0.022	O I					0.23
0.x50	0.52	0.00	0.025	O I					0.2x
0.833	0.52	0.00	0.029	O I					0.31
0.91x	0.52	0.00	0.033	O I					0.34
1.000	0.56	0.00	0.036	O I					0.38
1.083	0.59	0.00	0.040	O I					0.43
1.16x	0.60	0.00	0.044	O I					0.4x
1.250	0.60	0.00	0.049	O I					0.51
1.333	0.60	0.00	0.053	O I					0.56
1.41x	0.60	0.00	0.05x	O I					0.60
1.500	0.60	0.00	0.061	O I					0.64

North Basin 2yr6hr

Page 1 of 2

1.583	0.60	0.00	0.065	O	I						0.69
1.66x	0.60	0.00	0.069	O	I						0.x3
1.x50	0.60	0.00	0.0x3	O	I						0.xx
1.833	0.60	0.00	0.0xx	O	I						0.82
1.91x	0.60	0.00	0.082	O	I						0.86
2.000	0.64	0.00	0.086	O	I						0.90
2.083	0.63	0.00	0.090	O	I						0.95
2.16x	0.64	0.00	0.095	O	I						1.00
2.250	0.6x	0.00	0.099	O	I						1.04
2.333	0.6x	0.00	0.104	O	I						1.09
2.41x	0.6x	0.00	0.108	O	I						1.14
2.500	0.6x	0.00	0.113	O	I						1.19
2.583	0.6x	0.00	0.118	O	I						1.24
2.66x	0.6x	0.00	0.122	O	I						1.29
2.x50	0.x1	0.00	0.12x	O	I						1.34
2.833	0.x4	0.00	0.132	O	I						1.39
2.91x	0.x5	0.00	0.13x	O	I						1.45
3.000	0.x5	0.00	0.142	O	I						1.50
3.083	0.x5	0.00	0.14x	O	I						1.56
3.16x	0.x9	0.00	0.153	O	I						1.61
3.250	0.82	0.00	0.158	O	I						1.6x
3.333	0.82	0.00	0.164	O	I						1.x3
3.41x	0.86	0.00	0.1x0	O	I						1.x9
3.500	0.93	0.00	0.1x6	O	I						1.86
3.583	1.00	0.00	0.183	O	I						1.93
3.66x	1.04	0.00	0.190	O	I						2.01
3.x50	1.09	0.00	0.19x	O	I						2.08
3.833	1.12	0.00	0.204	O	I						2.16
3.91x	1.16	0.00	0.212	O	I						2.25
4.000	1.19	0.00	0.220	O	I						2.33
4.083	1.24	0.00	0.229	O	I						2.42
4.16x	1.31	0.00	0.23x	O	I						2.51
4.250	1.38	0.00	0.24x	O	I						2.61
4.333	1.45	0.00	0.256	O	I						2.x1
4.41x	1.53	0.00	0.26x	O	I						2.82
4.500	1.5x	0.00	0.2xx	O	I						2.93
4.583	1.61	0.00	0.288	O	I						3.01
4.66x	1.68	0.00	0.300	O	I						3.05
4.x50	1.x5	0.00	0.311	O	I						3.09
4.833	1.x9	0.00	0.324	O	I						3.13
4.91x	1.84	0.00	0.336	O	I						3.1x
5.000	1.91	0.00	0.349	O	I						3.21
5.083	2.13	0.00	0.363	O	I						3.26
5.16x	2.48	0.00	0.3x9	O	I						3.31
5.250	2.xx	0.00	0.39x	O	I						3.3x
5.333	3.01	0.00	0.41x	O	I						3.43
5.41x	3.31	0.00	0.438	O	I						3.51
5.500	3.88	0.00	0.463	O	I						3.59
5.583	2.xx	0.00	0.486	O	I						3.66
5.66x	1.29	0.00	0.500	O	I						3.x1
5.x50	0.69	0.00	0.50x	O	I						3.x3
5.833	0.45	0.00	0.511	O	I						3.x4
5.91x	0.31	0.00	0.513	O	I						3.x5
6.000	0.20	0.00	0.515	O	I						3.x6
6.083	0.08	0.00	0.516	O							3.x6
6.16x	0.02	0.00	0.516	O							3.x6
6.250	0.00	0.00	0.516	O							3.x6
6.333	0.00	0.00	0.516	O							3.x6

Remaining Water in basin = 0.52 (Ac.Ft)

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*****HYDROGRAPH DATA*****
Number of intervals = x6
Time interval = 5.0 (Min.)
Maximum/Peaw flow rate = 0.004 (CFS)
Total volume = 0.001 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peaw (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000
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Program License Serial Number 5006

***** HYDROGRAPH INFORMATION *****

From study/file name: PRO2242.rte
 *****HYDROGRAPH DATA*****
 Number of intervals = 291
 Time interval = 5.0 (Min.)
 Maximum/Peak flow rate = 1.275 (CFS)
 Total volume = 0.775 (Ac.Ft)
 Status of hydrographs being held in storage
 Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
 Peak (CFS) 0.000 0.000 0.000 0.000 0.000
 Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

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 Process from Point/Station 1.000 to Point/Station 2.000
 **** RETARDING BASIN ROUTING ****

 User entry of depth-outflow-storage data

 Total number of inflow hydrograph intervals = 291
 Hydrograph time unit = 5.000 (Min.)
 Initial depth in storage basin = 0.00(Ft.)

 Initial basin depth = 0.00 (Ft.)
 Initial basin storage = 0.00 (Ac.Ft)
 Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-o*dt/2) (Ac.Ft)	(S+o*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.095	0.001	0.095	0.095
2.000	0.189	0.002	0.189	0.189
3.000	0.284	0.003	0.284	0.284
4.000	0.589	0.004	0.589	0.589
5.000	0.789	0.154	0.788	0.790
6.000	1.011	0.350	1.010	1.012
7.000	1.258	0.618	1.256	1.260
7.400	1.364	0.690	1.362	1.366
8.000	1.530	50.310	1.357	1.703

 Hydrograph Detention Basin Routing

 Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	0	0.3	0.64	0.96	1.27	Depth (Ft.)
0.083	0.04	0.00	0.000	O					0.00
0.167	0.07	0.00	0.000	O I					0.01
0.250	0.07	0.00	0.001	O I					0.01
0.333	0.09	0.00	0.002	O I					0.02
0.417	0.11	0.00	0.002	O I					0.02
0.500	0.11	0.00	0.003	O I					0.03
0.583	0.11	0.00	0.004	O I					0.04
0.667	0.11	0.00	0.005	O I					0.05
0.750	0.11	0.00	0.005	O I					0.06
0.833	0.13	0.00	0.006	O I					0.07
0.917	0.15	0.00	0.007	O I					0.08
1.000	0.15	0.00	0.008	O I					0.09
1.083	0.13	0.00	0.009	O I					0.10
1.167	0.12	0.00	0.010	O I					0.10
1.250	0.11	0.00	0.011	O I					0.11
1.333	0.11	0.00	0.012	O I					0.12
1.417	0.11	0.00	0.012	O I					0.13
1.500	0.11	0.00	0.013	O I					0.14

North Basin 2yr24hr

Page 1 of 5

1.583	0.11	0.00	0.014	0	I					0.15
1.667	0.11	0.00	0.015	0	I					0.15
1.750	0.11	0.00	0.015	0	I					0.16
1.833	0.13	0.00	0.016	0	I					0.17
1.917	0.15	0.00	0.017	0	I					0.18
2.000	0.15	0.00	0.018	0	I					0.19
2.083	0.15	0.00	0.019	0	I					0.20
2.167	0.15	0.00	0.020	0	I					0.21
2.250	0.15	0.00	0.021	0	I					0.22
2.333	0.15	0.00	0.022	0	I					0.24
2.417	0.15	0.00	0.023	0	I					0.25
2.500	0.15	0.00	0.024	0	I					0.26
2.583	0.17	0.00	0.025	0	I					0.27
2.667	0.18	0.00	0.027	0	I					0.28
2.750	0.19	0.00	0.028	0	I					0.29
2.833	0.19	0.00	0.029	0	I					0.31
2.917	0.19	0.00	0.031	0	I					0.32
3.000	0.19	0.00	0.032	0	I					0.34
3.083	0.19	0.00	0.033	0	I					0.35
3.167	0.19	0.00	0.034	0	I					0.36
3.250	0.19	0.00	0.036	0	I					0.38
3.333	0.19	0.00	0.037	0	I					0.39
3.417	0.19	0.00	0.038	0	I					0.40
3.500	0.19	0.00	0.040	0	I					0.42
3.583	0.19	0.00	0.041	0	I					0.43
3.667	0.19	0.00	0.042	0	I					0.44
3.750	0.19	0.00	0.043	0	I					0.46
3.833	0.21	0.00	0.045	0	I					0.47
3.917	0.22	0.00	0.046	0	I					0.49
4.000	0.22	0.00	0.048	0	I					0.50
4.083	0.22	0.00	0.049	0	I					0.52
4.167	0.22	0.00	0.051	0	I					0.54
4.250	0.22	0.00	0.052	0	I					0.55
4.333	0.24	0.00	0.054	0	I					0.57
4.417	0.26	0.00	0.056	0	I					0.59
4.500	0.26	0.00	0.058	0	I					0.61
4.583	0.26	0.00	0.059	0	I					0.62
4.667	0.26	0.00	0.061	0	I					0.64
4.750	0.26	0.00	0.063	0	I					0.66
4.833	0.28	0.00	0.065	0	I					0.68
4.917	0.30	0.00	0.067	0	I					0.70
5.000	0.30	0.00	0.069	0	I					0.72
5.083	0.26	0.00	0.071	0	I					0.75
5.167	0.23	0.00	0.072	0	I					0.76
5.250	0.23	0.00	0.074	0	I					0.78
5.333	0.24	0.00	0.076	0	I					0.80
5.417	0.26	0.00	0.077	0	I					0.81
5.500	0.26	0.00	0.079	0	I					0.83
5.583	0.28	0.00	0.081	0	I					0.85
5.667	0.30	0.00	0.083	0	I					0.87
5.750	0.30	0.00	0.085	0	I					0.90
5.833	0.30	0.00	0.087	0	I					0.92
5.917	0.30	0.00	0.089	0	I					0.94
6.000	0.30	0.00	0.091	0	I					0.96
6.083	0.32	0.00	0.093	0	I					0.98
6.167	0.33	0.00	0.096	0	I					1.01
6.250	0.34	0.00	0.098	0	I					1.03
6.333	0.34	0.00	0.100	0	I					1.06
6.417	0.34	0.00	0.103	0	I					1.08
6.500	0.34	0.00	0.105	0	I					1.11
6.583	0.36	0.00	0.107	0	I					1.13
6.667	0.37	0.00	0.110	0	I					1.16
6.750	0.37	0.00	0.112	0	I					1.18
6.833	0.37	0.00	0.115	0	I					1.21
6.917	0.37	0.00	0.117	0	I					1.24
7.000	0.37	0.00	0.120	0	I					1.27
7.083	0.37	0.00	0.123	0	I					1.29
7.167	0.37	0.00	0.125	0	I					1.32
7.250	0.37	0.00	0.128	0	I					1.35
7.333	0.39	0.00	0.130	0	I					1.38
7.417	0.41	0.00	0.133	0	I					1.41
7.500	0.41	0.00	0.136	0	I					1.44
7.583	0.43	0.00	0.139	0	I					1.47
7.667	0.45	0.00	0.142	0	I					1.50
7.750	0.45	0.00	0.145	0	I					1.53
7.833	0.47	0.00	0.148	0	I					1.56
7.917	0.48	0.00	0.151	0	I					1.60
8.000	0.49	0.00	0.155	0	I					1.64
8.083	0.53	0.00	0.158	0	I					1.67
8.167	0.56	0.00	0.162	0	I					1.71
8.250	0.56	0.00	0.166	0	I					1.75
8.333	0.56	0.00	0.170	0	I					1.79
8.417	0.56	0.00	0.173	0	I					1.83
8.500	0.56	0.00	0.177	0	I					1.88
8.583	0.58	0.00	0.181	0	I					1.92
8.667	0.60	0.00	0.185	0	I					1.96
8.750	0.60	0.00	0.189	0	I					2.00

North Basin 2yr24hr

Page 2 of 5

8.833	0.62	0.00	0.194	0	I				2.05
8.917	0.63	0.00	0.198	0	I				2.09
9.000	0.64	0.00	0.202	0	I				2.14
9.083	0.68	0.00	0.207	0	I				2.19
9.167	0.71	0.00	0.211	0	I				2.24
9.250	0.71	0.00	0.216	0	I				2.29
9.333	0.73	0.00	0.221	0	I				2.34
9.417	0.75	0.00	0.226	0	I				2.39
9.500	0.75	0.00	0.231	0	I				2.45
9.583	0.77	0.00	0.237	0	I				2.50
9.667	0.78	0.00	0.242	0	I				2.56
9.750	0.79	0.00	0.247	0	I				2.61
9.833	0.81	0.00	0.253	0	I				2.67
9.917	0.82	0.00	0.258	0	I				2.73
10.000	0.82	0.00	0.264	0	I				2.79
10.083	0.69	0.00	0.269	0	I				2.85
10.167	0.59	0.00	0.274	0	I				2.89
10.250	0.57	0.00	0.278	0	I				2.93
10.333	0.56	0.00	0.282	0	I				2.97
10.417	0.56	0.00	0.285	0	I				3.00
10.500	0.56	0.00	0.289	0	I				3.02
10.583	0.66	0.00	0.293	0	I				3.03
10.667	0.73	0.00	0.298	0	I				3.05
10.750	0.75	0.00	0.303	0	I				3.06
10.833	0.75	0.00	0.308	0	I				3.08
10.917	0.75	0.00	0.313	0	I				3.10
11.000	0.75	0.00	0.319	0	I				3.11
11.083	0.73	0.00	0.324	0	I				3.13
11.167	0.72	0.00	0.329	0	I				3.15
11.250	0.71	0.00	0.334	0	I				3.16
11.333	0.71	0.00	0.338	0	I				3.18
11.417	0.71	0.00	0.343	0	I				3.19
11.500	0.71	0.00	0.348	0	I				3.21
11.583	0.67	0.00	0.353	0	I				3.23
11.667	0.64	0.00	0.358	0	I				3.24
11.750	0.64	0.00	0.362	0	I				3.26
11.833	0.66	0.00	0.366	0	I				3.27
11.917	0.67	0.00	0.371	0	I				3.28
12.000	0.67	0.00	0.376	0	I				3.30
12.083	0.81	0.00	0.381	0	I				3.32
12.167	0.91	0.00	0.386	0	I				3.34
12.250	0.93	0.00	0.393	0	I				3.36
12.333	0.96	0.00	0.399	0	I				3.38
12.417	0.97	0.00	0.406	0	I				3.40
12.500	0.97	0.00	0.413	0	I				3.42
12.583	1.01	0.00	0.419	0	I				3.44
12.667	1.04	0.00	0.426	0	I				3.47
12.750	1.05	0.00	0.434	0	I				3.49
12.833	1.07	0.00	0.441	0	I				3.51
12.917	1.08	0.00	0.448	0	I				3.54
13.000	1.09	0.00	0.456	0	I				3.56
13.083	1.18	0.00	0.464	0	I				3.59
13.167	1.26	0.00	0.472	0	I				3.62
13.250	1.27	0.00	0.481	0	I				3.64
13.333	1.27	0.00	0.489	0	I				3.67
13.417	1.27	0.00	0.498	0	I				3.70
13.500	1.27	0.00	0.507	0	I				3.73
13.583	1.07	0.00	0.515	0	I				3.76
13.667	0.90	0.00	0.522	0	I				3.78
13.750	0.87	0.00	0.528	0	I				3.80
13.833	0.86	0.00	0.534	0	I				3.82
13.917	0.86	0.00	0.540	0	I				3.84
14.000	0.86	0.00	0.545	0	I				3.86
14.083	0.94	0.00	0.552	0	I				3.88
14.167	1.00	0.00	0.558	0	I				3.90
14.250	1.01	0.00	0.565	0	I				3.92
14.333	0.99	0.00	0.572	0	I				3.94
14.417	0.98	0.00	0.579	0	I				3.97
14.500	0.98	0.00	0.585	0	I				3.99
14.583	0.97	0.01	0.592	0	I				4.02
14.667	0.97	0.01	0.599	0	I				4.05
14.750	0.97	0.02	0.605	0	I				4.08
14.833	0.96	0.02	0.612	0	I				4.11
14.917	0.94	0.03	0.618	0	I				4.15
15.000	0.94	0.03	0.625	0	I				4.18
15.083	0.92	0.04	0.631	0	I				4.21
15.167	0.90	0.04	0.637	0	I				4.24
15.250	0.90	0.04	0.643	0	I				4.27
15.333	0.88	0.05	0.649	0	I				4.30
15.417	0.87	0.05	0.654	0	I				4.33
15.500	0.86	0.06	0.660	0	I				4.35
15.583	0.79	0.06	0.665	0	I				4.38
15.667	0.73	0.06	0.670	0	I				4.40
15.750	0.72	0.07	0.674	0	I				4.43
15.833	0.71	0.07	0.679	0	I				4.45
15.917	0.71	0.07	0.683	0	I				4.47
16.000	0.71	0.08	0.688	0	I				4.49

North Basin 2yr24hr

Page 3 of 5

16.083	0.43	0.08	0.691	O	I			4.51
16.167	0.20	0.08	0.693	O	I			4.52
16.250	0.16	0.08	0.693	O	I			4.52
16.333	0.15	0.08	0.694	OI				4.52
16.417	0.15	0.08	0.694	OI				4.53
16.500	0.15	0.08	0.695	OI				4.53
16.583	0.13	0.08	0.695	OI				4.53
16.667	0.12	0.08	0.695	O				4.53
16.750	0.11	0.08	0.696	O				4.53
16.833	0.11	0.08	0.696	O				4.53
16.917	0.11	0.08	0.696	O				4.53
17.000	0.11	0.08	0.696	O				4.54
17.083	0.15	0.08	0.696	OI				4.54
17.167	0.18	0.09	0.697	O	I			4.54
17.250	0.19	0.09	0.698	O	I			4.54
17.333	0.19	0.09	0.698	O	I			4.55
17.417	0.19	0.09	0.699	O	I			4.55
17.500	0.19	0.09	0.700	O	I			4.55
17.583	0.19	0.09	0.700	O	I			4.56
17.667	0.19	0.09	0.701	O	I			4.56
17.750	0.19	0.09	0.702	O	I			4.56
17.833	0.17	0.09	0.702	O	I			4.57
17.917	0.15	0.09	0.703	OI				4.57
18.000	0.15	0.09	0.703	OI				4.57
18.083	0.15	0.09	0.704	OI				4.57
18.167	0.15	0.09	0.704	OI				4.58
18.250	0.15	0.09	0.705	OI				4.58
18.333	0.15	0.09	0.705	OI				4.58
18.417	0.15	0.09	0.705	OI				4.58
18.500	0.15	0.09	0.706	OI				4.58
18.583	0.13	0.09	0.706	OI				4.59
18.667	0.12	0.09	0.706	O				4.59
18.750	0.11	0.09	0.707	O				4.59
18.833	0.09	0.09	0.707	O				4.59
18.917	0.08	0.09	0.707	IO				4.59
19.000	0.08	0.09	0.706	IO				4.59
19.083	0.09	0.09	0.706	O				4.59
19.167	0.11	0.09	0.706	O				4.59
19.250	0.11	0.09	0.707	O				4.59
19.333	0.13	0.09	0.707	OI				4.59
19.417	0.15	0.09	0.707	OI				4.59
19.500	0.15	0.09	0.707	OI				4.59
19.583	0.13	0.09	0.708	OI				4.59
19.667	0.12	0.09	0.708	O				4.60
19.750	0.11	0.09	0.708	O				4.60
19.833	0.09	0.09	0.708	O				4.60
19.917	0.08	0.09	0.708	IO				4.60
20.000	0.08	0.09	0.708	IO				4.60
20.083	0.09	0.09	0.708	O				4.60
20.167	0.11	0.09	0.708	O				4.60
20.250	0.11	0.09	0.708	O				4.60
20.333	0.11	0.09	0.708	O				4.60
20.417	0.11	0.09	0.708	O				4.60
20.500	0.11	0.09	0.709	O				4.60
20.583	0.11	0.09	0.709	O				4.60
20.667	0.11	0.09	0.709	O				4.60
20.750	0.11	0.09	0.709	O				4.60
20.833	0.09	0.09	0.709	O				4.60
20.917	0.08	0.09	0.709	IO				4.60
21.000	0.08	0.09	0.709	IO				4.60
21.083	0.09	0.09	0.709	O				4.60
21.167	0.11	0.09	0.709	O				4.60
21.250	0.11	0.09	0.709	O				4.60
21.333	0.09	0.09	0.709	O				4.60
21.417	0.08	0.09	0.709	IO				4.60
21.500	0.08	0.09	0.709	IO				4.60
21.583	0.09	0.09	0.709	O				4.60
21.667	0.11	0.09	0.709	O				4.60
21.750	0.11	0.09	0.709	O				4.60
21.833	0.09	0.09	0.709	O				4.60
21.917	0.08	0.09	0.709	IO				4.60
22.000	0.08	0.09	0.709	IO				4.60
22.083	0.09	0.09	0.709	O				4.60
22.167	0.11	0.09	0.709	O				4.60
22.250	0.11	0.09	0.709	O				4.60
22.333	0.09	0.09	0.709	O				4.60
22.417	0.08	0.09	0.709	IO				4.60
22.500	0.08	0.09	0.709	IO				4.60
22.583	0.07	0.09	0.709	IO				4.60
22.667	0.07	0.09	0.709	IO				4.60
22.750	0.07	0.09	0.708	IO				4.60
22.833	0.07	0.09	0.708	IO				4.60
22.917	0.07	0.09	0.708	IO				4.60
23.000	0.07	0.09	0.708	IO				4.60
23.083	0.07	0.09	0.708	IO				4.59
23.167	0.07	0.09	0.708	IO				4.59
23.250	0.07	0.09	0.708	IO				4.59

North Basin 2yr24hr

Page 4 of 5

23.333	0.07	0.09	0.708	IO						4.59
23.417	0.07	0.09	0.707	IO						4.59
23.500	0.07	0.09	0.707	IO						4.59
23.583	0.07	0.09	0.707	IO						4.59
23.667	0.07	0.09	0.707	IO						4.59
23.750	0.07	0.09	0.707	IO						4.59
23.833	0.07	0.09	0.707	IO						4.59
23.917	0.07	0.09	0.707	IO						4.59
24.000	0.07	0.09	0.707	IO						4.59
24.083	0.04	0.09	0.706	I O						4.59
24.167	0.01	0.09	0.706	I O						4.58
24.250	0.00	0.09	0.705	I O						4.58
24.333	0.00	0.09	0.705	I O						4.58

Remaining water in basin = 0.70 (Ac.Ft)

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*****HYDROGRAPH DATA*****
      Number of intervals = 292
      Time interval = 5.0 (Min.)
      Maximum/Peak flow rate = 0.094 (CFS)
      Total volume = 0.070 (Ac.Ft)
      Status of hydrographs being held in storage
      Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
      Peak (CFS) 0.000 0.000 0.000 0.000 0.000
      Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000
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Program License Serial Number 5006

***** HYDROGRAPH INFORMATION *****

From study/file name: pro515.rte
 *****HYDROGRAPH DATA*****
 Number of intervals = 15
 Time interval = 5.0 (Min.)
 Maximum/Peak flow rate = 11.247 (CFS)
 Total volume = 0.324 (Ac.Ft)
 Status of hydrographs being held in storage
 Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
 Peak (CFS) 0.000 0.000 0.000 0.000 0.000
 Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

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 Process from Point/Station 1.000 to Point/Station 2.000
 **** RETARDING BASIN ROUTING ****

 User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 15
 Hydrograph time unit = 5.000 (Min.)
 Initial depth in storage basin = 0.00(Ft.)

 Initial basin depth = 0.00 (Ft.)
 Initial basin storage = 0.00 (Ac.Ft)
 Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-o*dt/2) (Ac.Ft)	(S+o*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.095	0.001	0.095	0.095
2.000	0.189	0.002	0.189	0.189
3.000	0.284	0.003	0.284	0.284
4.000	0.589	0.004	0.589	0.589
5.000	0.789	0.154	0.788	0.790
6.000	1.011	0.350	1.010	1.012
7.000	1.258	0.618	1.256	1.260
7.400	1.364	0.690	1.362	1.366
8.000	1.530	50.310	1.357	1.703

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	Depth (Ft.)
0.083	0.88	0.00	0.003	0.03
0.167	1.60	0.00	0.012	0.12
0.250	1.89	0.00	0.024	0.25
0.333	2.05	0.00	0.037	0.39
0.417	2.24	0.00	0.052	0.55
0.500	2.52	0.00	0.068	0.72
0.583	2.85	0.00	0.087	0.91
0.667	3.28	0.00	0.108	1.14
0.750	4.63	0.00	0.135	1.43
0.833	11.25	0.00	0.190	2.01
0.917	8.75	0.00	0.259	2.73
1.000	3.51	0.00	0.301	3.06
1.083	1.39	0.00	0.318	3.11
1.167	0.21	0.00	0.323	3.13
1.250	0.04	0.00	0.324	3.13
1.333	0.00	0.00	0.324	3.13

Remaining water in basin = 0.32 (Ac.Ft)

*****HYDROGRAPH DATA*****

Number of intervals = 16
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 0.003 (CFS)
Total volume = 0.000 (Ac.Ft)
Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

Program License Serial Number 5006

***** HYDROGRAPH INFORMATION *****

From study/file name: pro535.rte
 *****HYDROGRAPH DATA*****
 Number of intervals = 39
 Time interval = 5.0 (Min.)
 Maximum/Peak flow rate = 5.705 (CFS)
 Total volume = 0.467 (Ac.Ft)
 Status of hydrographs being held in storage
 Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
 Peak (CFS) 0.000 0.000 0.000 0.000 0.000
 Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

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 Process from Point/Station 1.000 to Point/Station 2.000
 **** RETARDING BASIN ROUTING ****

 User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 39
 Hydrograph time unit = 5.000 (Min.)
 Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
 Initial basin storage = 0.00 (Ac.Ft)
 Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.095	0.001	0.095	0.095
2.000	0.189	0.002	0.189	0.189
3.000	0.284	0.003	0.284	0.284
4.000	0.589	0.004	0.589	0.589
5.000	0.789	0.154	0.788	0.790
6.000	1.011	0.350	1.010	1.012
7.000	1.258	0.618	1.256	1.260
7.400	1.364	0.690	1.362	1.366
8.000	1.530	50.310	1.357	1.703

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	Depth (Ft.)
0.083	0.43	0.00	0.001	0.02
0.167	0.78	0.00	0.006	0.06
0.250	0.77	0.00	0.011	0.12
0.333	0.87	0.00	0.017	0.18
0.417	0.97	0.00	0.023	0.24
0.500	1.09	0.00	0.030	0.32
0.583	1.07	0.00	0.038	0.40
0.667	1.11	0.00	0.045	0.47
0.750	1.18	0.00	0.053	0.56
0.833	1.09	0.00	0.061	0.64
0.917	1.04	0.00	0.068	0.72
1.000	1.12	0.00	0.075	0.79
1.083	1.31	0.00	0.084	0.88
1.167	1.43	0.00	0.093	0.98
1.250	1.45	0.00	0.103	1.09
1.333	1.39	0.00	0.113	1.19
1.417	1.53	0.00	0.123	1.30
1.500	1.72	0.00	0.134	1.42

North Basin 5yr3hr

Page 1 of 2

1.583	1.67	0.00	0.146	O	I					1.54
1.667	1.70	0.00	0.157	O	I					1.66
1.750	1.97	0.00	0.170	O		I				1.80
1.833	2.07	0.00	0.184	O		I				1.95
1.917	1.99	0.00	0.198	O		I				2.09
2.000	1.97	0.00	0.212	O		I				2.24
2.083	2.01	0.00	0.225	O		I				2.38
2.167	2.41	0.00	0.240	O			I			2.54
2.250	2.98	0.00	0.259	O			I			2.74
2.333	2.74	0.00	0.279	O				I		2.94
2.417	3.65	0.00	0.301	O					I	3.05
2.500	4.85	0.00	0.330	O					I	3.15
2.583	5.71	0.00	0.366	O					I	3.27
2.667	4.98	0.00	0.403	O					I	3.39
2.750	2.79	0.00	0.430	O		I				3.48
2.833	1.54	0.00	0.445	O	I					3.53
2.917	1.26	0.00	0.454	O	I					3.56
3.000	0.79	0.00	0.461	O	I					3.58
3.083	0.27	0.00	0.465	O	I					3.59
3.167	0.05	0.00	0.466	O						3.60
3.250	0.01	0.00	0.466	O						3.60
3.333	0.00	0.00	0.466	O						3.60

Remaining water in basin = 0.47 (Ac.Ft)

*****HYDROGRAPH DATA*****

Number of intervals = 40

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.004 (CFS)

Total volume = 0.001 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

Program License Serial Number 5006

***** HYDROGRAPH INFORMATION *****

From study/file name: pro565.rte
 *****HYDROGRAPH DATA*****
 Number of intervals = x5
 Time interval = 5.0 (Min.)
 Makimum/Peaw flo7 rate = 5.285 (CFS)
 Total volume = 0.654 (Ac.Ft)
 Status of hydrographs being held in storage
 Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
 Peaw (CFS) 0.000 0.000 0.000 0.000 0.000
 Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

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 Process from Point/Station 1.000 to Point/Station 2.000
 **** RETARDING BASIN ROUTING ****

 User entry of depth-outflo7-storage data

Total number of inflo7 hydrograph intervals = x5
 Hydrograph time unit = 5.000 (Min.)
 Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
 Initial basin storage = 0.00 (Ac.Ft)
 Initial basin outflo7 = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflo7 (CFS)	(S-o*dt/2) (Ac.Ft)	(S+o*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.095	0.001	0.095	0.095
2.000	0.189	0.002	0.189	0.189
3.000	0.284	0.003	0.284	0.284
4.000	0.589	0.004	0.589	0.589
5.000	0.x89	0.154	0.x88	0.x90
6.000	1.011	0.350	1.010	1.012
x.000	1.258	0.618	1.256	1.260
x.400	1.364	0.690	1.362	1.366
8.000	1.530	50.310	1.35x	1.x03

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflo7; 'O'=outflo7 at time sho7n

Time (Hours)	Inflo7 (CFS)	Outflo7 (CFS)	Storage (Ac.Ft)	.0	1.3	2.64	3.96	5.28	Depth (Ft.)
0.083	0.24	0.00	0.001	O I					0.01
0.16x	0.4x	0.00	0.003	O I					0.03
0.250	0.55	0.00	0.00x	O I					0.0x
0.333	0.56	0.00	0.011	O I					0.11
0.41x	0.56	0.00	0.014	O I					0.15
0.500	0.61	0.00	0.019	O I					0.19
0.583	0.65	0.00	0.023	O I					0.24
0.66x	0.66	0.00	0.02x	O I					0.29
0.x50	0.66	0.00	0.032	O I					0.34
0.833	0.66	0.00	0.036	O I					0.38
0.91x	0.66	0.00	0.041	O I					0.43
1.000	0.x1	0.00	0.046	O I					0.48
1.083	0.x4	0.00	0.051	O I					0.53
1.16x	0.x5	0.00	0.056	O I					0.59
1.250	0.x5	0.00	0.061	O I					0.64
1.333	0.x5	0.00	0.066	O I					0.x0
1.41x	0.x5	0.00	0.0x1	O I					0.x5
1.500	0.x5	0.00	0.0x6	O I					0.80

North Basin 5yr6hr

Page 1 of 2

1.583	0.x5	0.00	0.082	0	I					0.86
1.66x	0.x5	0.00	0.08x	0	I					0.91
1.x50	0.x5	0.00	0.092	0	I					0.9x
1.833	0.x5	0.00	0.09x	0	I					1.02
1.91x	0.x5	0.00	0.102	0	I					1.08
2.000	0.80	0.00	0.108	0	I					1.13
2.083	0.x9	0.00	0.113	0	I					1.19
2.16x	0.81	0.00	0.119	0	I					1.25
2.250	0.84	0.00	0.124	0	I					1.31
2.333	0.84	0.00	0.130	0	I					1.3x
2.41x	0.85	0.00	0.136	0	I					1.43
2.500	0.85	0.00	0.142	0	I					1.50
2.583	0.85	0.00	0.148	0	I					1.56
2.66x	0.85	0.00	0.153	0	I					1.62
2.x50	0.89	0.00	0.159	0	I					1.68
2.833	0.93	0.00	0.166	0	I					1.x5
2.91x	0.94	0.00	0.1x2	0	I					1.82
3.000	0.94	0.00	0.1x8	0	I					1.89
3.083	0.94	0.00	0.185	0	I					1.96
3.16x	0.99	0.00	0.192	0	I					2.03
3.250	1.03	0.00	0.198	0	I					2.10
3.333	1.03	0.00	0.206	0	I					2.1x
3.41x	1.08	0.00	0.213	0	I					2.25
3.500	1.1x	0.00	0.221	0	I					2.33
3.583	1.26	0.00	0.229	0	I					2.42
3.66x	1.31	0.00	0.238	0	I					2.51
3.x50	1.36	0.00	0.24x	0	I					2.61
3.833	1.40	0.00	0.256	0	I					2.x1
3.91x	1.46	0.00	0.266	0	I					2.81
4.000	1.50	0.00	0.2x6	0	I					2.92
4.083	1.55	0.00	0.28x	0	I					3.01
4.16x	1.64	0.00	0.298	0	I					3.05
4.250	1.x3	0.00	0.309	0	I					3.08
4.333	1.82	0.00	0.322	0	I					3.12
4.41x	1.92	0.00	0.334	0	I					3.1x
4.500	1.96	0.00	0.348	0	I					3.21
4.583	2.02	0.00	0.361	0	I					3.25
4.66x	2.11	0.00	0.3x6	0	I					3.30
4.x50	2.20	0.00	0.390	0	I					3.35
4.833	2.25	0.00	0.406	0	I					3.40
4.91x	2.30	0.00	0.421	0	I					3.45
5.000	2.39	0.00	0.43x	0	I					3.50
5.083	2.6x	0.00	0.455	0	I					3.56
5.16x	3.11	0.00	0.4x5	0	I					3.63
5.250	3.4x	0.00	0.49x	0	I					3.x0
5.333	3.xx	0.00	0.522	0	I					3.x8
5.41x	4.28	0.00	0.550	0	I					3.8x
5.500	5.28	0.00	0.583	0	I					3.98
5.583	3.x4	0.02	0.614	0	I					4.12
5.66x	1.6x	0.04	0.632	0	I					4.22
5.x50	0.88	0.04	0.641	0	I					4.26
5.833	0.56	0.05	0.646	0	I					4.28
5.91x	0.39	0.05	0.648	0	I					4.30
6.000	0.25	0.05	0.650	0	I					4.31
6.083	0.11	0.05	0.651	0	I					4.31
6.16x	0.02	0.05	0.651	0	I					4.31
6.250	0.00	0.05	0.651	0	I					4.31
6.333	0.00	0.05	0.651	0	I					4.31

Remaining 7ater in basin = 0.65 (Ac.Ft)

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*****HYDROGRAPH DATA*****
Number of intervals = x6
Time interval = 5.0 (Min.)
Makimum/Peaw flo7 rate = 0.051 (CFS)
Total volume = 0.004 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peaw (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000
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Program License Serial Number 5006

***** HYDROGRAPH INFORMATION *****

From study/file name: pro5245.rte
 *****HYDROGRAPH DATA*****
 Number of intervals = 291
 Time interval = 5.0 (Min.)
 Maximum/Peak flow rate = 1.723 (CFS)
 Total volume = 1.047 (Ac.Ft)
 Status of hydrographs being held in storage
 Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
 Peak (CFS) 0.000 0.000 0.000 0.000 0.000
 Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

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 Process from Point/Station 1.000 to Point/Station 2.000
 **** RETARDING BASIN ROUTING ****

 User entry of depth-outflow-storage data

 Total number of inflow hydrograph intervals = 291
 Hydrograph time unit = 5.000 (Min.)
 Initial depth in storage basin = 0.00(Ft.)

 Initial basin depth = 0.00 (Ft.)
 Initial basin storage = 0.00 (Ac.Ft)
 Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.095	0.001	0.095	0.095
2.000	0.189	0.002	0.189	0.189
3.000	0.284	0.003	0.284	0.284
4.000	0.589	0.004	0.589	0.589
5.000	0.789	0.154	0.788	0.790
6.000	1.011	0.350	1.010	1.012
7.000	1.258	0.618	1.256	1.260
7.400	1.364	0.690	1.362	1.366
8.000	1.530	50.310	1.357	1.703

 Hydrograph Detention Basin Routing

 Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.4	0.86	1.29	1.72	Depth (Ft.)
0.083	0.05	0.00	0.000	O					0.00
0.167	0.09	0.00	0.001	O I					0.01
0.250	0.10	0.00	0.001	O I					0.01
0.333	0.13	0.00	0.002	O I					0.02
0.417	0.15	0.00	0.003	O I					0.03
0.500	0.15	0.00	0.004	O I					0.04
0.583	0.15	0.00	0.005	O I					0.05
0.667	0.15	0.00	0.006	O I					0.06
0.750	0.15	0.00	0.007	O I					0.08
0.833	0.18	0.00	0.008	O I					0.09
0.917	0.20	0.00	0.010	O I					0.10
1.000	0.20	0.00	0.011	O I					0.12
1.083	0.18	0.00	0.012	O I					0.13
1.167	0.16	0.00	0.013	O I					0.14
1.250	0.15	0.00	0.015	O I					0.15
1.333	0.15	0.00	0.016	O I					0.16
1.417	0.15	0.00	0.017	O I					0.18
1.500	0.15	0.00	0.018	O I					0.19

North Basin 5yr24hr

Page 1 of 6

1.583	0.15	0.00	0.019	0	I					0.20
1.667	0.15	0.00	0.020	0	I					0.21
1.750	0.15	0.00	0.021	0	I					0.22
1.833	0.18	0.00	0.022	0	I					0.23
1.917	0.20	0.00	0.023	0	I					0.24
2.000	0.20	0.00	0.025	0	I					0.26
2.083	0.20	0.00	0.026	0	I					0.27
2.167	0.20	0.00	0.027	0	I					0.29
2.250	0.20	0.00	0.029	0	I					0.30
2.333	0.20	0.00	0.030	0	I					0.32
2.417	0.20	0.00	0.032	0	I					0.33
2.500	0.20	0.00	0.033	0	I					0.35
2.583	0.23	0.00	0.034	0	I					0.36
2.667	0.25	0.00	0.036	0	I					0.38
2.750	0.25	0.00	0.038	0	I					0.40
2.833	0.25	0.00	0.040	0	I					0.42
2.917	0.25	0.00	0.041	0	I					0.43
3.000	0.25	0.00	0.043	0	I					0.45
3.083	0.25	0.00	0.045	0	I					0.47
3.167	0.25	0.00	0.047	0	I					0.49
3.250	0.25	0.00	0.048	0	I					0.51
3.333	0.25	0.00	0.050	0	I					0.53
3.417	0.25	0.00	0.052	0	I					0.54
3.500	0.25	0.00	0.053	0	I					0.56
3.583	0.25	0.00	0.055	0	I					0.58
3.667	0.25	0.00	0.057	0	I					0.60
3.750	0.25	0.00	0.059	0	I					0.62
3.833	0.28	0.00	0.061	0	I					0.64
3.917	0.30	0.00	0.063	0	I					0.66
4.000	0.30	0.00	0.065	0	I					0.68
4.083	0.30	0.00	0.067	0	I					0.70
4.167	0.30	0.00	0.069	0	I					0.72
4.250	0.30	0.00	0.071	0	I					0.75
4.333	0.33	0.00	0.073	0	I					0.77
4.417	0.35	0.00	0.075	0	I					0.79
4.500	0.35	0.00	0.078	0	I					0.82
4.583	0.35	0.00	0.080	0	I					0.84
4.667	0.35	0.00	0.083	0	I					0.87
4.750	0.35	0.00	0.085	0	I					0.90
4.833	0.38	0.00	0.088	0	I					0.92
4.917	0.40	0.00	0.090	0	I					0.95
5.000	0.40	0.00	0.093	0	I					0.98
5.083	0.35	0.00	0.096	0	I					1.01
5.167	0.31	0.00	0.098	0	I					1.03
5.250	0.31	0.00	0.100	0	I					1.05
5.333	0.33	0.00	0.102	0	I					1.08
5.417	0.35	0.00	0.105	0	I					1.10
5.500	0.35	0.00	0.107	0	I					1.13
5.583	0.38	0.00	0.110	0	I					1.15
5.667	0.40	0.00	0.112	0	I					1.18
5.750	0.40	0.00	0.115	0	I					1.21
5.833	0.41	0.00	0.118	0	I					1.24
5.917	0.41	0.00	0.121	0	I					1.27
6.000	0.41	0.00	0.123	0	I					1.30
6.083	0.43	0.00	0.126	0	I					1.33
6.167	0.45	0.00	0.129	0	I					1.36
6.250	0.45	0.00	0.132	0	I					1.40
6.333	0.46	0.00	0.135	0	I					1.43
6.417	0.46	0.00	0.139	0	I					1.46
6.500	0.46	0.00	0.142	0	I					1.50
6.583	0.48	0.00	0.145	0	I					1.53
6.667	0.50	0.00	0.148	0	I					1.57
6.750	0.51	0.00	0.152	0	I					1.60
6.833	0.51	0.00	0.155	0	I					1.64
6.917	0.51	0.00	0.159	0	I					1.68
7.000	0.51	0.00	0.162	0	I					1.71
7.083	0.51	0.00	0.166	0	I					1.75
7.167	0.51	0.00	0.169	0	I					1.79
7.250	0.51	0.00	0.173	0	I					1.83
7.333	0.53	0.00	0.176	0	I					1.86
7.417	0.55	0.00	0.180	0	I					1.90
7.500	0.56	0.00	0.184	0	I					1.94
7.583	0.58	0.00	0.188	0	I					1.99
7.667	0.60	0.00	0.192	0	I					2.03
7.750	0.61	0.00	0.196	0	I					2.07
7.833	0.63	0.00	0.200	0	I					2.12
7.917	0.65	0.00	0.205	0	I					2.16
8.000	0.66	0.00	0.209	0	I					2.21
8.083	0.71	0.00	0.214	0	I					2.26
8.167	0.75	0.00	0.219	0	I					2.31
8.250	0.76	0.00	0.224	0	I					2.37
8.333	0.76	0.00	0.229	0	I					2.42
8.417	0.76	0.00	0.234	0	I					2.48
8.500	0.76	0.00	0.240	0	I					2.53
8.583	0.79	0.00	0.245	0	I					2.59
8.667	0.81	0.00	0.250	0	I					2.65
8.750	0.81	0.00	0.256	0	I					2.70

North Basin 5yr24hr

Page 2 of 6

8.833	0.84	0.00	0.262	0	I				2.76
8.917	0.86	0.00	0.267	0	I				2.82
9.000	0.86	0.00	0.273	0	I				2.89
9.083	0.91	0.00	0.279	0	I				2.95
9.167	0.95	0.00	0.286	0	I				3.01
9.250	0.96	0.00	0.292	0	I				3.03
9.333	0.99	0.00	0.299	0	I				3.05
9.417	1.01	0.00	0.306	0	I				3.07
9.500	1.01	0.00	0.313	0	I				3.09
9.583	1.04	0.00	0.320	0	I				3.12
9.667	1.06	0.00	0.327	0	I				3.14
9.750	1.06	0.00	0.334	0	I				3.16
9.833	1.09	0.00	0.342	0	I				3.19
9.917	1.11	0.00	0.349	0	I				3.21
10.000	1.11	0.00	0.357	0	I				3.24
10.083	0.94	0.00	0.364	0	I				3.26
10.167	0.79	0.00	0.370	0	I				3.28
10.250	0.77	0.00	0.375	0	I				3.30
10.333	0.76	0.00	0.380	0	I				3.32
10.417	0.76	0.00	0.386	0	I				3.33
10.500	0.76	0.00	0.391	0	I				3.35
10.583	0.89	0.00	0.397	0	I				3.37
10.667	0.99	0.00	0.403	0	I				3.39
10.750	1.01	0.00	0.410	0	I				3.41
10.833	1.01	0.00	0.417	0	I				3.44
10.917	1.01	0.00	0.424	0	I				3.46
11.000	1.01	0.00	0.431	0	I				3.48
11.083	0.99	0.00	0.438	0	I				3.50
11.167	0.97	0.00	0.444	0	I				3.53
11.250	0.96	0.00	0.451	0	I				3.55
11.333	0.96	0.00	0.457	0	I				3.57
11.417	0.96	0.00	0.464	0	I				3.59
11.500	0.96	0.00	0.471	0	I				3.61
11.583	0.91	0.00	0.477	0	I				3.63
11.667	0.87	0.00	0.483	0	I				3.65
11.750	0.86	0.00	0.489	0	I				3.67
11.833	0.89	0.00	0.495	0	I				3.69
11.917	0.91	0.00	0.501	0	I				3.71
12.000	0.91	0.00	0.508	0	I				3.73
12.083	1.09	0.00	0.514	0	I	I			3.76
12.167	1.23	0.00	0.522	0	I	I			3.78
12.250	1.26	0.00	0.531	0	I	I			3.81
12.333	1.29	0.00	0.540	0	I	I			3.84
12.417	1.31	0.00	0.549	0	I	I			3.87
12.500	1.32	0.00	0.558	0	I	I			3.90
12.583	1.37	0.00	0.567	0	I	I			3.93
12.667	1.41	0.00	0.576	0	I	I			3.96
12.750	1.42	0.00	0.586	0	I	I			3.99
12.833	1.44	0.01	0.596	0	I	I			4.03
12.917	1.46	0.02	0.606	0	I	I			4.08
13.000	1.47	0.02	0.616	0	I	I			4.13
13.083	1.60	0.03	0.626	0	I	I	I		4.19
13.167	1.70	0.04	0.637	0	I	I	I		4.24
13.250	1.72	0.05	0.649	0	I	I	I		4.30
13.333	1.72	0.06	0.660	0	I	I	I		4.36
13.417	1.72	0.07	0.672	0	I	I	I		4.41
13.500	1.72	0.07	0.683	0	I	I	I		4.47
13.583	1.44	0.08	0.693	0	I	I	I		4.52
13.667	1.22	0.09	0.702	0	I	I	I		4.57
13.750	1.18	0.09	0.710	0	I	I	I		4.60
13.833	1.17	0.10	0.717	0	I	I	I		4.64
13.917	1.17	0.11	0.724	0	I	I	I		4.68
14.000	1.17	0.11	0.732	0	I	I	I		4.71
14.083	1.27	0.12	0.739	0	I	I	I		4.75
14.167	1.35	0.12	0.747	0	I	I	I		4.79
14.250	1.36	0.13	0.756	0	I	I	I		4.83
14.333	1.34	0.14	0.764	0	I	I	I		4.88
14.417	1.32	0.14	0.772	0	I	I	I		4.92
14.500	1.32	0.15	0.781	0	I	I	I		4.96
14.583	1.32	0.15	0.789	0	I	I	I		5.00
14.667	1.32	0.16	0.797	0	I	I	I		5.03
14.750	1.32	0.17	0.805	0	I	I	I		5.07
14.833	1.29	0.17	0.812	0	I	I	I		5.11
14.917	1.27	0.18	0.820	0	I	I	I		5.14
15.000	1.27	0.19	0.827	0	I	I	I		5.17
15.083	1.24	0.19	0.835	0	I	I	I		5.21
15.167	1.22	0.20	0.842	0	I	I	I		5.24
15.250	1.22	0.21	0.849	0	I	I	I		5.27
15.333	1.19	0.21	0.856	0	I	I	I		5.30
15.417	1.17	0.22	0.862	0	I	I	I		5.33
15.500	1.17	0.22	0.869	0	I	I	I		5.36
15.583	1.06	0.23	0.875	0	I	I	I		5.39
15.667	0.98	0.23	0.880	0	I	I	I		5.41
15.750	0.97	0.24	0.886	0	I	I	I		5.43
15.833	0.96	0.24	0.890	0	I	I	I		5.46
15.917	0.96	0.25	0.895	0	I	I	I		5.48
16.000	0.96	0.25	0.900	0	I	I	I		5.50

North Basin 5yr24hr

Page 3 of 6

16.083	0.58	0.26	0.904	O	I			5.52
16.167	0.27	0.26	0.905	OI				5.52
16.250	0.22	0.26	0.905	O				5.52
16.333	0.20	0.26	0.905	IO				5.52
16.417	0.20	0.26	0.904	IO				5.52
16.500	0.20	0.26	0.904	IO				5.52
16.583	0.18	0.26	0.903	IO				5.52
16.667	0.16	0.25	0.903	I O				5.51
16.750	0.15	0.25	0.902	I O				5.51
16.833	0.15	0.25	0.901	I O				5.51
16.917	0.15	0.25	0.901	I O				5.50
17.000	0.15	0.25	0.900	I O				5.50
17.083	0.20	0.25	0.900	IO				5.50
17.167	0.24	0.25	0.899	O				5.50
17.250	0.25	0.25	0.899	O				5.50
17.333	0.25	0.25	0.899	O				5.50
17.417	0.25	0.25	0.899	O				5.50
17.500	0.25	0.25	0.899	O				5.50
17.583	0.25	0.25	0.899	O				5.50
17.667	0.25	0.25	0.899	O				5.50
17.750	0.25	0.25	0.899	O				5.50
17.833	0.23	0.25	0.899	O				5.50
17.917	0.21	0.25	0.899	IO				5.50
18.000	0.20	0.25	0.899	IO				5.49
18.083	0.20	0.25	0.898	IO				5.49
18.167	0.20	0.25	0.898	IO				5.49
18.250	0.20	0.25	0.898	IO				5.49
18.333	0.20	0.25	0.898	IO				5.49
18.417	0.20	0.25	0.897	IO				5.49
18.500	0.20	0.25	0.897	IO				5.49
18.583	0.18	0.25	0.896	IO				5.48
18.667	0.16	0.25	0.896	I O				5.48
18.750	0.15	0.25	0.895	I O				5.48
18.833	0.13	0.25	0.895	I O				5.48
18.917	0.11	0.25	0.894	I O				5.47
19.000	0.10	0.25	0.893	I O				5.47
19.083	0.13	0.24	0.892	I O				5.46
19.167	0.15	0.24	0.891	I O				5.46
19.250	0.15	0.24	0.890	I O				5.46
19.333	0.18	0.24	0.890	IO				5.45
19.417	0.20	0.24	0.889	IO				5.45
19.500	0.20	0.24	0.889	IO				5.45
19.583	0.18	0.24	0.889	IO				5.45
19.667	0.16	0.24	0.888	I O				5.45
19.750	0.15	0.24	0.888	I O				5.44
19.833	0.13	0.24	0.887	I O				5.44
19.917	0.11	0.24	0.886	I O				5.44
20.000	0.10	0.24	0.885	I O				5.43
20.083	0.13	0.24	0.884	I O				5.43
20.167	0.15	0.24	0.884	I O				5.43
20.250	0.15	0.24	0.883	I O				5.42
20.333	0.15	0.24	0.882	I O				5.42
20.417	0.15	0.24	0.882	I O				5.42
20.500	0.15	0.24	0.881	I O				5.42
20.583	0.15	0.23	0.881	I O				5.41
20.667	0.15	0.23	0.880	I O				5.41
20.750	0.15	0.23	0.880	I O				5.41
20.833	0.13	0.23	0.879	I O				5.41
20.917	0.11	0.23	0.878	I O				5.40
21.000	0.10	0.23	0.877	I O				5.40
21.083	0.13	0.23	0.876	I O				5.39
21.167	0.15	0.23	0.876	I O				5.39
21.250	0.15	0.23	0.875	I O				5.39
21.333	0.13	0.23	0.875	I O				5.39
21.417	0.11	0.23	0.874	I O				5.38
21.500	0.10	0.23	0.873	I O				5.38
21.583	0.13	0.23	0.872	I O				5.37
21.667	0.15	0.23	0.872	I O				5.37
21.750	0.15	0.23	0.871	I O				5.37
21.833	0.13	0.23	0.870	I O				5.37
21.917	0.11	0.23	0.870	I O				5.36
22.000	0.10	0.22	0.869	I O				5.36
22.083	0.13	0.22	0.868	I O				5.36
22.167	0.15	0.22	0.867	I O				5.35
22.250	0.15	0.22	0.867	I O				5.35
22.333	0.13	0.22	0.866	I O				5.35
22.417	0.11	0.22	0.866	I O				5.35
22.500	0.10	0.22	0.865	I O				5.34
22.583	0.10	0.22	0.864	I O				5.34
22.667	0.10	0.22	0.863	I O				5.33
22.750	0.10	0.22	0.862	I O				5.33
22.833	0.10	0.22	0.862	I O				5.33
22.917	0.10	0.22	0.861	I O				5.32
23.000	0.10	0.22	0.860	I O				5.32
23.083	0.10	0.22	0.859	I O				5.32
23.167	0.10	0.22	0.858	I O				5.31
23.250	0.10	0.21	0.858	I O				5.31

North Basin 5yr24hr

Page 4 of 6

23.333	0.10	0.21	0.857	I	O	5.31
23.417	0.10	0.21	0.856	I	O	5.30
23.500	0.10	0.21	0.855	I	O	5.30
23.583	0.10	0.21	0.855	I	O	5.30
23.667	0.10	0.21	0.854	I	O	5.29
23.750	0.10	0.21	0.853	I	O	5.29
23.833	0.10	0.21	0.852	I	O	5.29
23.917	0.10	0.21	0.852	I	O	5.28
24.000	0.10	0.21	0.851	I	O	5.28
24.083	0.05	0.21	0.850	I	O	5.27
24.167	0.01	0.21	0.849	I	O	5.27
24.250	0.00	0.21	0.847	I	O	5.26
24.333	0.00	0.20	0.846	I	O	5.26
24.417	0.00	0.20	0.845	I	O	5.25
24.500	0.00	0.20	0.843	I	O	5.24
24.583	0.00	0.20	0.842	I	O	5.24
24.667	0.00	0.20	0.840	I	O	5.23
24.750	0.00	0.20	0.839	I	O	5.23
24.833	0.00	0.20	0.838	I	O	5.22
24.917	0.00	0.20	0.836	I	O	5.21
25.000	0.00	0.19	0.835	I	O	5.21
25.083	0.00	0.19	0.834	I	O	5.20
25.167	0.00	0.19	0.832	I	O	5.19
25.250	0.00	0.19	0.831	I	O	5.19
25.333	0.00	0.19	0.830	I	O	5.18
25.417	0.00	0.19	0.828	I	O	5.18
25.500	0.00	0.19	0.827	I	O	5.17
25.583	0.00	0.19	0.826	I	O	5.17
25.667	0.00	0.19	0.824	I	O	5.16
25.750	0.00	0.18	0.823	I	O	5.15
25.833	0.00	0.18	0.822	I	O	5.15
25.917	0.00	0.18	0.821	I	O	5.14
26.000	0.00	0.18	0.819	I	O	5.14
26.083	0.00	0.18	0.818	I	O	5.13
26.167	0.00	0.18	0.817	I	O	5.13
26.250	0.00	0.18	0.816	I	O	5.12
26.333	0.00	0.18	0.814	I	O	5.11
26.417	0.00	0.18	0.813	I	O	5.11
26.500	0.00	0.17	0.812	I	O	5.10
26.583	0.00	0.17	0.811	I	O	5.10
26.667	0.00	0.17	0.810	I	O	5.09
26.750	0.00	0.17	0.809	I	O	5.09
26.833	0.00	0.17	0.807	I	O	5.08
26.917	0.00	0.17	0.806	I	O	5.08
27.000	0.00	0.17	0.805	I	O	5.07
27.083	0.00	0.17	0.804	I	O	5.07
27.167	0.00	0.17	0.803	I	O	5.06
27.250	0.00	0.17	0.802	I	O	5.06
27.333	0.00	0.16	0.800	I	O	5.05
27.417	0.00	0.16	0.799	I	O	5.05
27.500	0.00	0.16	0.798	I	O	5.04
27.583	0.00	0.16	0.797	I	O	5.04
27.667	0.00	0.16	0.796	I	O	5.03
27.750	0.00	0.16	0.795	I	O	5.03
27.833	0.00	0.16	0.794	I	O	5.02
27.917	0.00	0.16	0.793	I	O	5.02
28.000	0.00	0.16	0.792	I	O	5.01
28.083	0.00	0.16	0.791	I	O	5.01
28.167	0.00	0.15	0.789	I	O	5.00
28.250	0.00	0.15	0.788	I	O	5.00
28.333	0.00	0.15	0.787	I	O	4.99
28.417	0.00	0.15	0.786	I	O	4.99
28.500	0.00	0.15	0.785	I	O	4.98
28.583	0.00	0.15	0.784	I	O	4.98
28.667	0.00	0.15	0.783	I	O	4.97
28.750	0.00	0.15	0.782	I	O	4.97
28.833	0.00	0.15	0.781	I	O	4.96
28.917	0.00	0.15	0.780	I	O	4.96
29.000	0.00	0.15	0.779	I	O	4.95
29.083	0.00	0.15	0.778	I	O	4.95
29.167	0.00	0.15	0.777	I	O	4.94
29.250	0.00	0.14	0.776	I	O	4.94
29.333	0.00	0.14	0.775	I	O	4.93
29.417	0.00	0.14	0.774	I	O	4.93
29.500	0.00	0.14	0.773	I	O	4.92
29.583	0.00	0.14	0.772	I	O	4.92
29.667	0.00	0.14	0.771	I	O	4.91
29.750	0.00	0.14	0.770	I	O	4.91
29.833	0.00	0.14	0.769	I	O	4.90
29.917	0.00	0.14	0.768	I	O	4.90
30.000	0.00	0.14	0.767	I	O	4.89
30.083	0.00	0.14	0.766	I	O	4.89
30.167	0.00	0.14	0.765	I	O	4.88
30.250	0.00	0.14	0.765	I	O	4.88
30.333	0.00	0.13	0.764	I	O	4.87
30.417	0.00	0.13	0.763	I	O	4.87
30.500	0.00	0.13	0.762	I	O	4.86

North Basin 5yr24hr

Page 5 of 6

30.583	0.00	0.13	0.761	I	O					4.86
30.667	0.00	0.13	0.760	I	O					4.85
30.750	0.00	0.13	0.759	I	O					4.85
30.833	0.00	0.13	0.758	I	O					4.85
30.917	0.00	0.13	0.757	I	O					4.84
31.000	0.00	0.13	0.756	I	O					4.84
31.083	0.00	0.13	0.755	I	O					4.83
31.167	0.00	0.13	0.755	I	O					4.83
31.250	0.00	0.13	0.754	I	O					4.82
31.333	0.00	0.13	0.753	I	O					4.82
31.417	0.00	0.13	0.752	I	O					4.81
31.500	0.00	0.13	0.751	I	O					4.81
31.583	0.00	0.12	0.750	I	O					4.81
31.667	0.00	0.12	0.749	I	O					4.80
31.750	0.00	0.12	0.748	I	O					4.80
31.833	0.00	0.12	0.748	I	O					4.79
31.917	0.00	0.12	0.747	I	O					4.79
32.000	0.00	0.12	0.746	I	O					4.78
32.083	0.00	0.12	0.745	I	O					4.78
32.167	0.00	0.12	0.744	I	O					4.78
32.250	0.00	0.12	0.743	I	O					4.77
32.333	0.00	0.12	0.743	I	O					4.77
32.417	0.00	0.12	0.742	I	O					4.76
32.500	0.00	0.12	0.741	I	O					4.76
32.583	0.00	0.12	0.740	I	O					4.76
32.667	0.00	0.12	0.739	I	O					4.75
32.750	0.00	0.12	0.739	I	O					4.75
32.833	0.00	0.12	0.738	I	O					4.74
32.917	0.00	0.11	0.737	I	O					4.74
33.000	0.00	0.11	0.736	I	O					4.74
33.083	0.00	0.11	0.735	I	O					4.73
33.167	0.00	0.11	0.735	I	O					4.73
33.250	0.00	0.11	0.734	I	O					4.72
33.333	0.00	0.11	0.733	I	O					4.72
33.417	0.00	0.11	0.732	I	O					4.72
33.500	0.00	0.11	0.732	I	O					4.71
33.583	0.00	0.11	0.731	I	O					4.71
33.667	0.00	0.11	0.730	I	O					4.71
33.750	0.00	0.11	0.729	I	O					4.70
33.833	0.00	0.11	0.729	I	O					4.70
33.917	0.00	0.11	0.728	I	O					4.69
34.000	0.00	0.11	0.727	IO						4.69
34.083	0.00	0.11	0.726	IO						4.69
34.167	0.00	0.11	0.726	IO						4.68
34.250	0.00	0.11	0.725	IO						4.68
34.333	0.00	0.11	0.724	IO						4.68
34.417	0.00	0.10	0.723	IO						4.67
34.500	0.00	0.10	0.723	IO						4.67
34.583	0.00	0.10	0.722	IO						4.66
34.667	0.00	0.10	0.721	IO						4.66
34.750	0.00	0.10	0.721	IO						4.66
34.833	0.00	0.10	0.720	IO						4.65
34.917	0.00	0.10	0.719	IO						4.65
35.000	0.00	0.10	0.718	IO						4.65
35.083	0.00	0.10	0.718	IO						4.64
35.167	0.00	0.10	0.717	IO						4.64
35.250	0.00	0.10	0.716	IO						4.64

Remaining water in basin = 0.72 (Ac.Ft)

```

*****HYDROGRAPH DATA*****
      Number of intervals = 423
      Time interval = 5.0 (Min.)
      Maximum/Peak flow rate = 0.256 (CFS)
      Total volume = 0.331 (Ac.Ft)
      Status of hydrographs being held in storage
      Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
      Peak (CFS) 0.000 0.000 0.000 0.000 0.000
      Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000
*****

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Program License Serial Number 5006

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***** From study/file name: pro10110.rte *****
***** HYDROGRAPH DATA *****
Number of intervals =    15
Time interval =      5.0 (Min.)
Maximum/Peak flow rate =   14.451 (CFS)
Total volume =         0.412 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000
*****

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User entry of depth-outflow-storage data

```
Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)
```

0.000	0.000	0.000	0.000	0.000
1.000	0.095	0.001	0.095	0.095
2.000	0.189	0.002	0.189	0.189
3.000	0.284	0.003	0.284	0.284
4.000	0.589	0.004	0.589	0.589
5.000	0.89	0.154	0.88	0.90
6.000	1.011	0.350	1.010	1.012
7.000	1.258	0.618	1.256	1.260
8.000	1.364	0.690	1.362	1.366
9.000	1.530	50.310	1.35	1.03

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	outflow (CFS)	Storage (Ac.Ft)					depth (Ft.)
0.083	1.05	0.00	0.004	0	I			0.04
0.16	1.90	0.00	0.014	0				0.14
0.250	2.24	0.00	0.028	0	I			0.30
0.333	2.43	0.00	0.044	0				0.46
0.41	2.65	0.00	0.062	0	I			0.65
0.500	3.09	0.00	0.081	0				0.86
0.583	3.69	0.00	0.105	0	I			1.10
0.66	4.50	0.00	0.133	0				1.40
0.750	6.43	0.00	0.171	0		I		1.80
0.833	14.45	0.00	0.242	0				2.56
0.91	11.08	0.00	0.330	0				3.15
1.000	4.38	0.00	0.384	0		I		3.33
1.083	1.0	0.00	0.404	0	I			3.39
1.16	0.25	0.00	0.411	0				3.42
1.250	0.05	0.00	0.412	0				3.42
1.333	0.00	0.00	0.412	0				3.42

Remaining water in basin = 0.41 (Ac.Ft)

*****HYDROGRAPH DATA*****

Number of intervals = 16
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 0.003 (CFS)
Total volume = 0.000 (Ac.Ft)
Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

Program License Serial Number 5006

***** HYDROGRAPH INFORMATION *****

From study/file name: pro10310.rte
 *****HYDROGRAPH DATA*****
 Number of intervals = 39
 Time interval = 5.0 (Min.)
 Maximum/Peak flow rate = 7.867 (CFS)
 Total volume = 0.589 (Ac.Ft)
 Status of hydrographs being held in storage
 Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
 Peak (CFS) 0.000 0.000 0.000 0.000 0.000
 Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

++++++
 Process from Point/Station 1.000 to Point/Station 2.000
 **** RETARDING BASIN ROUTING ****

 User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 39
 Hydrograph time unit = 5.000 (Min.)
 Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
 Initial basin storage = 0.00 (Ac.Ft)
 Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-o*dt/2) (Ac.Ft)	(S+o*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.095	0.001	0.095	0.095
2.000	0.189	0.002	0.189	0.189
3.000	0.284	0.003	0.284	0.284
4.000	0.589	0.004	0.589	0.589
5.000	0.789	0.154	0.788	0.790
6.000	1.011	0.350	1.010	1.012
7.000	1.258	0.618	1.256	1.260
7.400	1.364	0.690	1.362	1.366
8.000	1.530	50.310	1.357	1.703

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	Depth (Ft.)
0.083	0.52	0.00	0.002	0.02
0.167	0.92	0.00	0.007	0.07
0.250	0.92	0.00	0.013	0.14
0.333	1.03	0.00	0.020	0.21
0.417	1.15	0.00	0.027	0.29
0.500	1.29	0.00	0.036	0.38
0.583	1.27	0.00	0.044	0.47
0.667	1.31	0.00	0.053	0.56
0.750	1.39	0.00	0.063	0.66
0.833	1.29	0.00	0.072	0.76
0.917	1.24	0.00	0.081	0.85
1.000	1.33	0.00	0.089	0.94
1.083	1.55	0.00	0.099	1.05
1.167	1.69	0.00	0.110	1.16
1.250	1.72	0.00	0.122	1.29
1.333	1.64	0.00	0.134	1.41
1.417	1.82	0.00	0.146	1.54
1.500	2.03	0.00	0.159	1.68

North Basin 10yr3hr

Page 1 of 2

1.583	1.98	0.00	0.173	O	I					1.83
1.667	2.02	0.00	0.186	O	I					1.97
1.750	2.33	0.00	0.201	O	I					2.13
1.833	2.46	0.00	0.218	O	I					2.30
1.917	2.35	0.00	0.234	O	I					2.48
2.000	2.33	0.00	0.250	O	I					2.65
2.083	2.38	0.00	0.267	O	I					2.82
2.167	2.97	0.00	0.285	O		I				3.00
2.250	3.93	0.00	0.309	O			I			3.08
2.333	3.51	0.00	0.334	O				I		3.17
2.417	4.94	0.00	0.364	O					I	3.26
2.500	6.79	0.00	0.404	O						3.39
2.583	7.87	0.00	0.454	O					I	3.56
2.667	6.98	0.00	0.505	O						3.73
2.750	3.83	0.00	0.543	O			I			3.85
2.833	1.92	0.00	0.562	O		I				3.91
2.917	1.51	0.00	0.574	O		I				3.95
3.000	0.94	0.00	0.583	O	I					3.98
3.083	0.32	0.00	0.587	O	I					3.99
3.167	0.06	0.00	0.588	O						4.00
3.250	0.01	0.00	0.588	O						4.00
3.333	0.00	0.00	0.588	O						4.00

Remaining water in basin = 0.59 (Ac.Ft)

*****HYDROGRAPH DATA*****

Number of intervals = 40

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.004 (CFS)

Total volume = 0.001 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

Program License Serial Number 5006

***** HYDROGRAPH INFORMATION *****

From study/file name: pro10610.rte
 *****HYDROGRAPH DATA*****
 Number of intervals = x5
 Time interval = 5.0 (Min.)
 Makimum/Peaw flo7 rate = x.143 (CFS)
 Total volume = 0.x88 (Ac.Ft)
 Status of hydrographs being held in storage
 Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
 Peaw (CFS) 0.000 0.000 0.000 0.000 0.000
 Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

++++++
 Process from Point/Station 1.000 to Point/Station 2.000
 **** RETARDING BASIN ROUTING ****

 User entry of depth-outflo7-storage data

Total number of inflo7 hydrograph intervals = x5
 Hydrograph time unit = 5.000 (Min.)
 Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
 Initial basin storage = 0.00 (Ac.Ft)
 Initial basin outflo7 = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflo7 (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.095	0.001	0.095	0.095
2.000	0.189	0.002	0.189	0.189
3.000	0.284	0.003	0.284	0.284
4.000	0.589	0.004	0.589	0.589
5.000	0.x89	0.154	0.x88	0.x90
6.000	1.011	0.350	1.010	1.012
x.000	1.258	0.618	1.256	1.260
x.400	1.364	0.690	1.362	1.366
8.000	1.530	50.310	1.35x	1.x03

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflo7; 'O'=outflo7 at time sho7n

Time (Hours)	Inflo7 (CFS)	Outflo7 (CFS)	Storage (Ac.Ft)	.0	1.8	3.5x	5.36	x.14	Depth (Ft.)
0.083	0.2x	0.00	0.001	O I					0.01
0.16x	0.55	0.00	0.004	O I					0.04
0.250	0.63	0.00	0.008	O I					0.08
0.333	0.65	0.00	0.012	O I					0.13
0.41x	0.65	0.00	0.01x	O I					0.18
0.500	0.x1	0.00	0.021	O I					0.22
0.583	0.x5	0.00	0.026	O I					0.28
0.66x	0.x6	0.00	0.032	O I					0.33
0.x50	0.x6	0.00	0.03x	O I					0.39
0.833	0.x6	0.00	0.042	O I					0.44
0.91x	0.x6	0.00	0.04x	O I					0.50
1.000	0.81	0.00	0.053	O I					0.55
1.083	0.86	0.00	0.058	O I					0.61
1.16x	0.86	0.00	0.064	O I					0.68
1.250	0.8x	0.00	0.0x0	O I					0.x4
1.333	0.8x	0.00	0.0x6	O I					0.80
1.41x	0.8x	0.00	0.082	O I					0.8x
1.500	0.8x	0.00	0.088	O I					0.93

North Basin 10Yr6hr

Page 1 of 3

1.583	0.8x	0.00	0.094	0	I					0.99
1.66x	0.8x	0.00	0.100	0	I					1.05
1.x50	0.8x	0.00	0.106	0	I					1.12
1.833	0.8x	0.00	0.112	0	I					1.18
1.91x	0.8x	0.00	0.118	0	I					1.24
2.000	0.92	0.00	0.124	0	I					1.31
2.083	0.91	0.00	0.130	0	I					1.38
2.16x	0.93	0.00	0.13x	0	I					1.44
2.250	0.9x	0.00	0.143	0	I					1.51
2.333	0.9x	0.00	0.150	0	I					1.58
2.41x	0.98	0.00	0.15x	0	I					1.66
2.500	0.98	0.00	0.163	0	I					1.x3
2.583	0.98	0.00	0.1x0	0	I					1.80
2.66x	0.98	0.00	0.1xx	0	I					1.8x
2.x50	1.03	0.00	0.184	0	I					1.94
2.833	1.0x	0.00	0.191	0	I					2.02
2.91x	1.08	0.00	0.198	0	I					2.10
3.000	1.08	0.00	0.206	0	I					2.18
3.083	1.08	0.00	0.213	0	I					2.26
3.16x	1.14	0.00	0.221	0	I					2.34
3.250	1.18	0.00	0.229	0	I					2.42
3.333	1.19	0.00	0.23x	0	I					2.51
3.41x	1.25	0.00	0.245	0	I					2.59
3.500	1.35	0.00	0.254	0	I					2.69
3.583	1.45	0.00	0.264	0	I					2.x9
3.66x	1.51	0.00	0.2x4	0	I					2.90
3.x50	1.5x	0.00	0.285	0	I					3.00
3.833	1.62	0.00	0.296	0	I					3.04
3.91x	1.68	0.00	0.30x	0	I					3.08
4.000	1.x2	0.00	0.319	0	I					3.11
4.083	1.x9	0.00	0.331	0	I					3.15
4.16x	1.89	0.00	0.343	0	I					3.19
4.250	1.99	0.00	0.35x	0	I					3.24
4.333	2.10	0.00	0.3x1	0	I					3.28
4.41x	2.21	0.00	0.386	0	I					3.33
4.500	2.26	0.00	0.401	0	I					3.38
4.583	2.33	0.00	0.41x	0	I					3.44
4.66x	2.43	0.00	0.433	0	I					3.49
4.x50	2.54	0.00	0.450	0	I					3.54
4.833	2.59	0.00	0.468	0	I					3.60
4.91x	2.65	0.00	0.486	0	I					3.66
5.000	2.x6	0.00	0.504	0	I					3.x2
5.083	3.22	0.00	0.525	0	I					3.x9
5.16x	4.00	0.00	0.550	0	I					3.8x
5.250	4.68	0.00	0.580	0	I					3.9x
5.333	5.24	0.02	0.614	0	I					4.12
5.41x	5.95	0.05	0.652	0	I					4.32
5.500	x.14	0.08	0.69x	0	I					4.54
5.583	4.84	0.12	0.x3x	0	I					4.x4
5.66x	2.03	0.13	0.x60	0	I					4.86
5.x50	1.04	0.14	0.xx0	0	I					4.90
5.833	0.65	0.14	0.xx4	0	I					4.93
5.91x	0.45	0.15	0.xxx	0	I					4.94
6.000	0.29	0.15	0.xx9	0	I					4.95
6.083	0.12	0.15	0.xx9	0	I					4.95
6.16x	0.02	0.15	0.xx9	0	I					4.95
6.250	0.00	0.15	0.xx8	0	I					4.94
6.333	0.00	0.14	0.xxx	0	I					4.94
6.41x	0.00	0.14	0.xx6	0	I					4.93
6.500	0.00	0.14	0.xx5	0	I					4.93
6.583	0.00	0.14	0.xx4	0	I					4.92
6.66x	0.00	0.14	0.xx3	0	I					4.92
6.x50	0.00	0.14	0.xx2	0	I					4.91
6.833	0.00	0.14	0.xx1	0	I					4.91
6.91x	0.00	0.14	0.xx0	0	I					4.90
x.000	0.00	0.14	0.x69	0	I					4.90
x.083	0.00	0.14	0.x68	0	I					4.90
x.16x	0.00	0.14	0.x6x	0	I					4.89
x.250	0.00	0.14	0.x66	0	I					4.89
x.333	0.00	0.14	0.x65	0	I					4.88
x.41x	0.00	0.14	0.x64	0	I					4.88
x.500	0.00	0.13	0.x63	0	I					4.8x
x.583	0.00	0.13	0.x62	0	I					4.8x
x.66x	0.00	0.13	0.x61	0	I					4.86
x.x50	0.00	0.13	0.x61	0	I					4.86
x.833	0.00	0.13	0.x60	0	I					4.85
x.91x	0.00	0.13	0.x59	0	I					4.85
8.000	0.00	0.13	0.x58	0	I					4.84
8.083	0.00	0.13	0.x5x	0	I					4.84
8.16x	0.00	0.13	0.x56	0	I					4.84
8.250	0.00	0.13	0.x55	0	I					4.83
8.333	0.00	0.13	0.x54	0	I					4.83
8.41x	0.00	0.13	0.x53	0	I					4.82
8.500	0.00	0.13	0.x53	0	I					4.82
8.583	0.00	0.13	0.x52	0	I					4.81
8.66x	0.00	0.13	0.x51	0	I					4.81
8.x50	0.00	0.12	0.x50	0	I					4.80

North Basin 10yr6hr

Page 2 of 3

8.833	0.00	0.12	0.x49	o					4.80
8.91x	0.00	0.12	0.x48	o					4.80
9.000	0.00	0.12	0.x4x	o					4.x9
9.083	0.00	0.12	0.x4x	o					4.x9
9.16x	0.00	0.12	0.x46	o					4.x8
9.250	0.00	0.12	0.x45	o					4.x8
9.333	0.00	0.12	0.x44	o					4.x8
9.41x	0.00	0.12	0.x43	o					4.xx
9.500	0.00	0.12	0.x42	o					4.xx
9.583	0.00	0.12	0.x42	o					4.x6
9.66x	0.00	0.12	0.x41	o					4.x6
9.x50	0.00	0.12	0.x40	o					4.x5
9.833	0.00	0.12	0.x39	o					4.x5
9.91x	0.00	0.12	0.x38	o					4.x5
10.000	0.00	0.12	0.x38	o					4.x4
10.083	0.00	0.11	0.x3x	o					4.x4
10.16x	0.00	0.11	0.x36	o					4.x3
10.250	0.00	0.11	0.x35	o					4.x3
10.333	0.00	0.11	0.x34	o					4.x3
10.41x	0.00	0.11	0.x34	o					4.x2
10.500	0.00	0.11	0.x33	o					4.x2
10.583	0.00	0.11	0.x32	o					4.x2
10.66x	0.00	0.11	0.x31	o					4.x1
10.x50	0.00	0.11	0.x31	o					4.x1
10.833	0.00	0.11	0.x30	o					4.x0
10.91x	0.00	0.11	0.x29	o					4.x0
11.000	0.00	0.11	0.x28	o					4.x0
11.083	0.00	0.11	0.x28	o					4.69
11.16x	0.00	0.11	0.x2x	o					4.69
11.250	0.00	0.11	0.x26	o					4.69
11.333	0.00	0.11	0.x25	o					4.68
11.41x	0.00	0.11	0.x25	o					4.68
11.500	0.00	0.11	0.x24	o					4.6x
11.583	0.00	0.10	0.x23	o					4.6x
11.66x	0.00	0.10	0.x22	o					4.6x
11.x50	0.00	0.10	0.x22	o					4.66
11.833	0.00	0.10	0.x21	o					4.66
11.91x	0.00	0.10	0.x20	o					4.66
12.000	0.00	0.10	0.x20	o					4.65
12.083	0.00	0.10	0.x19	o					4.65
12.16x	0.00	0.10	0.x18	o					4.65
12.250	0.00	0.10	0.x18	o					4.64
12.333	0.00	0.10	0.x1x	o					4.64

Remaining 7ater in basin = 0.x2 (Ac.Ft)

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*****HYDROGRAPH DATA*****
      Number of intervals = 148
      Time interval = 5.0 (Min.)
      Makimum/Peaw flo7 rate = 0.14x (CFS)
      Total volume = 0.0x1 (Ac.Ft)
      Status of hydrographs being held in storage
      Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
      Peaw (CFS) 0.000 0.000 0.000 0.000 0.000
      Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000
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Program License Serial Number 5006

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***** Frs study/file name = PROJ02410.rte *****HYDROGRAPH DATA*****
Number of intervals =      291
Time interval =       5.0 (Min.)
Maximum/Peak flow rate =           2.062 (CFS)
Total volume =         1.253 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS)    0.000    0.000    0.000    0.000    0.000
Vol (Ac.Ft)   0.000    0.000    0.000    0.000    0.000
*****

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[illegible]

Total number of inflow hydrograph intervals = 291
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

```
Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)
```

Depth vs. Storage		Depth vs. Discharge	
+asin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-0*dt/2) (Ac.Ft)

0.000	0.000	0.000	0.000	0.000
1.000	0.095	0.001	0.095	0.095
2.000	0.189	0.002	0.189	0.189
3.000	0.284	0.003	0.284	0.284
4.000	0.589	0.004	0.589	0.589
5.000	0.89	0.154	0.88	0.90
6.000	1.011	0.350	1.010	1.012
7.000	1.258	0.618	1.256	1.260
8.000	1.364	0.690	1.362	1.366
9.000	1.530	50.310	1.35	1.03

Hydrograph Detention +asin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	outflow (CFS)	Storage (Ac.-Ft.)	0.5	1.03	1.55	2.06	depth (Ft.)
0.083	0.06	0.00	0.000					0.00
0.16	0.11	0.00	0.001					0.01
0.250	0.12	0.00	0.002					0.02
0.333	0.15	0.00	0.003					0.03
0.41	0.18	0.00	0.004					0.04
0.500	0.18	0.00	0.005					0.05
0.583	0.18	0.00	0.006					0.06
0.66	0.18	0.00	0.00					0.08
0.750	0.18	0.00	0.009					0.09
0.833	0.21	0.00	0.010					0.11
0.91	0.24	0.00	0.012					0.12
1.000	0.24	0.00	0.013					0.14
1.083	0.21	0.00	0.015					0.16
1.16	0.19	0.00	0.016					0.1
1.250	0.18	0.00	0.01					0.18
1.333	0.18	0.00	0.019					0.20
1.41	0.18	0.00	0.020					0.21
1.500	0.18	0.00	0.021					0.22

North Basin 10yr24hr

Page 1 of 7

1.583	0.18	0.00	0.022	0	I					0.24
1.66	0.18	0.00	0.024	0	I					0.25
1.50	0.18	0.00	0.025	0	I					0.26
1.833	0.21	0.00	0.026	0	I					0.28
1.91	0.24	0.00	0.028	0	I					0.29
2.000	0.24	0.00	0.029	0	I					0.31
2.083	0.24	0.00	0.031	0	I					0.33
2.16	0.24	0.00	0.033	0	I					0.35
2.250	0.24	0.00	0.034	0	I					0.36
2.333	0.24	0.00	0.036	0	I					0.38
2.41	0.24	0.00	0.038	0	I					0.40
2.500	0.24	0.00	0.039	0	I					0.42
2.583	0.2	0.00	0.041	0	I					0.43
2.66	0.30	0.00	0.043	0	I					0.45
2.50	0.30	0.00	0.045	0	I					0.48
2.833	0.30	0.00	0.04	0	I					0.50
2.91	0.30	0.00	0.049	0	I					0.52
3.000	0.30	0.00	0.051	0	I					0.54
3.083	0.30	0.00	0.054	0	I					0.56
3.16	0.30	0.00	0.056	0	I					0.59
3.250	0.30	0.00	0.058	0	I					0.61
3.333	0.30	0.00	0.060	0	I					0.63
3.41	0.30	0.00	0.062	0	I					0.65
3.500	0.30	0.00	0.064	0	I					0.6
3.583	0.30	0.00	0.066	0	I					0.0
3.66	0.30	0.00	0.068	0	I					0.2
3.50	0.30	0.00	0.0	0	I					0.4
3.833	0.33	0.00	0.02	0	I					0.6
3.91	0.36	0.00	0.05	0	I					0.9
4.000	0.36	0.00	0.0	0	I					0.81
4.083	0.36	0.00	0.080	0	I					0.84
4.16	0.36	0.00	0.082	0	I					0.8
4.250	0.36	0.00	0.085	0	I					0.89
4.333	0.39	0.00	0.08	0	I					0.92
4.41	0.42	0.00	0.090	0	I					0.95
4.500	0.42	0.00	0.093	0	I					0.98
4.583	0.42	0.00	0.096	0	I					1.01
4.66	0.42	0.00	0.099	0	I					1.04
4.50	0.42	0.00	0.102	0	I					1.0
4.833	0.46	0.00	0.105	0	I					1.10
4.91	0.48	0.00	0.108	0	I					1.14
5.000	0.48	0.00	0.111	0	I					1.1
5.083	0.42	0.00	0.114	0	I					1.21
5.16	0.3	0.00	0.11	0	I					1.24
5.250	0.3	0.00	0.120	0	I					1.26
5.333	0.39	0.00	0.122	0	I					1.29
5.41	0.42	0.00	0.125	0	I					1.32
5.500	0.42	0.00	0.128	0	I					1.35
5.583	0.46	0.00	0.131	0	I					1.38
5.66	0.48	0.00	0.134	0	I					1.42
5.50	0.48	0.00	0.138	0	I					1.45
5.833	0.49	0.00	0.141	0	I					1.49
5.91	0.49	0.00	0.144	0	I					1.52
6.000	0.49	0.00	0.148	0	I					1.56
6.083	0.52	0.00	0.151	0	I					1.60
6.16	0.54	0.00	0.155	0	I					1.63
6.250	0.54	0.00	0.158	0	I					1.6
6.333	0.55	0.00	0.162	0	I					1.1
6.41	0.55	0.00	0.166	0	I					1.5
6.500	0.55	0.00	0.1	0	I					1.9
6.583	0.58	0.00	0.13	0	I					1.83
6.66	0.60	0.00	0.1	0	I					1.88
6.50	0.61	0.00	0.182	0	I					1.92
6.833	0.61	0.00	0.186	0	I					1.9
6.91	0.61	0.00	0.190	0	I					2.01
7.000	0.61	0.00	0.194	0	I					2.05
7.083	0.61	0.00	0.198	0	I					2.10
7.16	0.61	0.00	0.202	0	I					2.14
7.250	0.61	0.00	0.20	0	I					2.19
7.333	0.64	0.00	0.211	0	I					2.23
7.41	0.66	0.00	0.215	0	I					2.28
7.500	0.6	0.00	0.220	0	I					2.32
7.583	0.0	0.00	0.225	0	I					2.3
7.66	0.2	0.00	0.229	0	I					2.43
7.50	0.3	0.00	0.234	0	I					2.48
7.833	0.6	0.00	0.239	0	I					2.53
7.91	0.8	0.00	0.245	0	I					2.59
8.000	0.9	0.00	0.250	0	I					2.64
8.083	0.85	0.00	0.256	0	I					2.0
8.16	0.90	0.00	0.262	0	I					2.
8.250	0.91	0.00	0.268	0	I					2.83
8.333	0.91	0.00	0.24	0	I					2.90
8.41	0.91	0.00	0.280	0	I					2.96
8.500	0.91	0.00	0.28	0	I					3.01
8.583	0.94	0.00	0.293	0	I					3.03
8.66	0.96	0.00	0.300	0	I					3.05
8.50	0.9	0.00	0.306	0	I					3.0

North Basin 10yr24hr

Page 2 of 7

8.833	1.00	0.00	0.313	0	I				3.10
8.91	1.03	0.00	0.320	0	I				3.12
9.000	1.03	0.00	0.32	0	I				3.14
9.083	1.09	0.00	0.334	0	I				3.16
9.16	1.14	0.00	0.342	0	I				3.19
9.250	1.15	0.00	0.350	0	I				3.22
9.333	1.18	0.00	0.358	0	I				3.24
9.41	1.21	0.00	0.366	0	I				3.2
9.500	1.21	0.00	0.34	0	I				3.30
9.583	1.24	0.00	0.383	0	I				3.32
9.66	1.2	0.00	0.391	0	I				3.35
9.50	1.2	0.00	0.400	0	I				3.38
9.833	1.30	0.00	0.409	0	I				3.41
9.91	1.33	0.00	0.418	0	I				3.44
10.000	1.33	0.00	0.42	0	I				3.4
10.083	1.12	0.00	0.436	0	I				3.50
10.16	0.95	0.00	0.443	0	I				3.52
10.250	0.92	0.00	0.449	0	I				3.54
10.333	0.91	0.00	0.455	0	I				3.56
10.41	0.91	0.00	0.462	0	I				3.58
10.500	0.91	0.00	0.468	0	I				3.60
10.583	1.06	0.00	0.45	0	I				3.62
10.66	1.18	0.00	0.482	0	I				3.65
10.50	1.21	0.00	0.490	0	I				3.68
10.833	1.21	0.00	0.499	0	I				3.0
10.91	1.21	0.00	0.50	0	I				3.3
11.000	1.21	0.00	0.515	0	I				3.6
11.083	1.18	0.00	0.524	0	I				3.9
11.16	1.16	0.00	0.532	0	I				3.81
11.250	1.15	0.00	0.540	0	I				3.84
11.333	1.15	0.00	0.548	0	I				3.86
11.41	1.15	0.00	0.555	0	I				3.89
11.500	1.15	0.00	0.563	0	I				3.92
11.583	1.09	0.00	0.51	0	I				3.94
11.66	1.04	0.00	0.58	0	I				3.9
11.50	1.03	0.00	0.585	0	I				3.99
11.833	1.06	0.01	0.593	0	I				4.02
11.91	1.09	0.01	0.600	0	I				4.05
12.000	1.09	0.02	0.60	0	I				4.09
12.083	1.31	0.02	0.615	0	I				4.13
12.16	1.48	0.03	0.625	0	I				4.18
12.250	1.51	0.04	0.635	0	I				4.23
12.333	1.55	0.05	0.645	0	I				4.28
12.41	1.5	0.05	0.656	0	I				4.33
12.500	1.58	0.06	0.666	0	I				4.38
12.583	1.64	0.0	0.6	0	I				4.44
12.66	1.69	0.08	0.688	0	I				4.49
12.50	1.0	0.09	0.699	0	I				4.55
12.833	1.3	0.09	0.10	0	I				4.60
12.91	1.5	0.10	0.21	0	I				4.66
13.000	1.6	0.11	0.32	0	I				4.2
13.083	1.91	0.12	0.44	0	I				4.8
13.16	2.03	0.13	0.5	0	I				4.84
13.250	2.06	0.14	0.0	0	I				4.91
13.333	2.06	0.15	0.83	0	I				4.9
13.41	2.06	0.16	0.96	0	I				5.03
13.500	2.06	0.1	0.809	0	I				5.09
13.583	1.2	0.18	0.821	0	I				5.15
13.66	1.46	0.19	0.831	0	I				5.19
13.50	1.41	0.20	0.839	0	I				5.23
13.833	1.39	0.21	0.848	0	I				5.26
13.91	1.39	0.21	0.856	0	I				5.30
14.000	1.39	0.22	0.864	0	I				5.34
14.083	1.52	0.23	0.83	0	I				5.38
14.16	1.61	0.24	0.882	0	I				5.42
14.250	1.63	0.24	0.891	0	I				5.46
14.333	1.61	0.25	0.901	0	I				5.50
14.41	1.58	0.26	0.910	0	I				5.54
14.500	1.58	0.2	0.919	0	I				5.59
14.583	1.58	0.28	0.928	0	I				5.63
14.66	1.58	0.28	0.93	0	I				5.6
14.50	1.58	0.29	0.946	0	I				5.1
14.833	1.55	0.30	0.954	0	I				5.5
14.91	1.52	0.31	0.963	0	I				5.8
15.000	1.52	0.31	0.91	0	I				5.82
15.083	1.49	0.32	0.99	0	I				5.86
15.16	1.46	0.33	0.98	0	I				5.89
15.250	1.46	0.34	0.995	0	I				5.93
15.333	1.42	0.34	1.003	0	I				5.96
15.41	1.40	0.35	1.010	0	I				6.00
15.500	1.40	0.36	1.01	0	I				6.02
15.583	1.2	0.36	1.024	0	I				6.05
15.66	1.1	0.3	1.030	0	I				6.08
15.50	1.16	0.38	1.035	0	I				6.10
15.833	1.15	0.38	1.041	0	I				6.12
15.91	1.15	0.39	1.046	0	I				6.14
16.000	1.15	0.39	1.051	0	I				6.16

North Basin 10yr24hr

Page 3 of 7

16.083	0.69	0.40	1.055	O	I	6.18
16.16	0.33	0.40	1.055	IO		6.18
16.250	0.26	0.40	1.055	I O		6.18
16.333	0.24	0.40	1.054	I O		6.1
16.41	0.24	0.40	1.053	I O		6.1
16.500	0.24	0.39	1.052	I O		6.16
16.583	0.21	0.39	1.050	I O		6.16
16.66	0.19	0.39	1.049	I O		6.15
16.50	0.18	0.39	1.048	I O		6.15
16.833	0.18	0.39	1.046	I O		6.14
16.91	0.18	0.39	1.045	I O		6.14
1.000	0.18	0.39	1.044	I O		6.13
1.083	0.24	0.38	1.042	I O		6.13
1.16	0.29	0.38	1.042	IO		6.12
1.250	0.30	0.38	1.041	IO		6.12
1.333	0.30	0.38	1.040	IO		6.12
1.41	0.30	0.38	1.040	IO		6.12
1.500	0.30	0.38	1.039	IO		6.11
1.583	0.30	0.38	1.039	IO		6.11
1.66	0.30	0.38	1.038	IO		6.11
1.50	0.30	0.38	1.038	IO		6.11
1.833	0.2	0.38	1.03	IO		6.11
1.91	0.25	0.38	1.036	I O		6.10
18.000	0.24	0.38	1.035	I O		6.10
18.083	0.24	0.38	1.034	I O		6.09
18.16	0.24	0.3	1.034	I O		6.09
18.250	0.24	0.3	1.033	I O		6.09
18.333	0.24	0.3	1.032	I O		6.08
18.41	0.24	0.3	1.031	I O		6.08
18.500	0.24	0.3	1.030	I O		6.08
18.583	0.21	0.3	1.029	I O		6.0
18.66	0.19	0.3	1.028	I O		6.0
18.50	0.18	0.3	1.02	I O		6.06
18.833	0.15	0.3	1.025	I O		6.06
18.91	0.13	0.36	1.024	I O		6.05
19.000	0.12	0.36	1.022	I O		6.04
19.083	0.15	0.36	1.020	I O		6.04
19.16	0.18	0.36	1.019	I O		6.03
19.250	0.18	0.36	1.018	I O		6.03
19.333	0.21	0.36	1.01	I O		6.02
19.41	0.24	0.36	1.016	I O		6.02
19.500	0.24	0.35	1.015	I O		6.02
19.583	0.21	0.35	1.014	I O		6.01
19.66	0.19	0.35	1.013	I O		6.01
19.50	0.18	0.35	1.012	I O		6.00
19.833	0.15	0.35	1.011	I O		6.00
19.91	0.13	0.35	1.009	I O		5.99
20.000	0.12	0.35	1.008	I O		5.99
20.083	0.15	0.35	1.006	I O		5.98
20.16	0.18	0.34	1.005	I O		5.9
20.250	0.18	0.34	1.004	I O		5.9
20.333	0.18	0.34	1.003	I O		5.96
20.41	0.18	0.34	1.002	I O		5.96
20.500	0.18	0.34	1.001	I O		5.95
20.583	0.18	0.34	1.000	I O		5.95
20.66	0.18	0.34	0.998	I O		5.94
20.50	0.18	0.34	0.99	I O		5.94
20.833	0.15	0.34	0.996	I O		5.93
20.91	0.13	0.34	0.995	I O		5.93
21.000	0.12	0.33	0.993	I O		5.92
21.083	0.15	0.33	0.992	I O		5.91
21.16	0.18	0.33	0.991	I O		5.91
21.250	0.18	0.33	0.990	I O		5.90
21.333	0.15	0.33	0.989	I O		5.90
21.41	0.13	0.33	0.98	I O		5.89
21.500	0.12	0.33	0.986	I O		5.89
21.583	0.15	0.33	0.985	I O		5.88
21.66	0.18	0.33	0.984	I O		5.88
21.50	0.18	0.32	0.983	I O		5.8
21.833	0.15	0.32	0.981	I O		5.8
21.91	0.13	0.32	0.980	I O		5.86
22.000	0.12	0.32	0.9.9	I O		5.85
22.083	0.15	0.32	0.9.8	I O		5.85
22.16	0.18	0.32	0.9.6	I O		5.84
22.250	0.18	0.32	0.9.5	I O		5.84
22.333	0.15	0.32	0.9.4	I O		5.84
22.41	0.13	0.32	0.9.3	I O		5.83
22.500	0.12	0.32	0.9.2	I O		5.82
22.583	0.12	0.31	0.9.1	I O		5.82
22.66	0.12	0.31	0.969	I O		5.81
22.50	0.12	0.31	0.968	I O		5.81
22.833	0.12	0.31	0.96	I O		5.80
22.91	0.12	0.31	0.965	I O		5.9
23.000	0.12	0.31	0.964	I O		5.9
23.083	0.12	0.31	0.963	I O		5.8
23.16	0.12	0.31	0.961	I O		5.8
23.250	0.12	0.31	0.960	I O		5.8

North Basin 10yr24hr

Page 4 of 7

23.333	0.12	0.30	0.959	I	0	5.1
23.41	0.12	0.30	0.958	I	0	5.16
23.500	0.12	0.30	0.956	I	0	5.15
23.583	0.12	0.30	0.955	I	0	5.15
23.66	0.12	0.30	0.954	I	0	5.14
23.50	0.12	0.30	0.953	I	0	5.14
23.833	0.12	0.30	0.951	I	0	5.13
23.91	0.12	0.30	0.950	I	0	5.13
24.000	0.12	0.30	0.949	I	0	5.12
24.083	0.06	0.29	0.948	I	0	5.11
24.16	0.01	0.29	0.946	I	0	5.11
24.250	0.00	0.29	0.944	I	0	5.10
24.333	0.00	0.29	0.942	I	0	5.69
24.41	0.00	0.29	0.940	I	0	5.68
24.500	0.00	0.29	0.938	I	0	5.6
24.583	0.00	0.28	0.936	I	0	5.66
24.66	0.00	0.28	0.934	I	0	5.65
24.50	0.00	0.28	0.932	I	0	5.64
24.833	0.00	0.28	0.930	I	0	5.64
24.91	0.00	0.28	0.928	I	0	5.63
25.000	0.00	0.28	0.926	I	0	5.62
25.083	0.00	0.2	0.925	I	0	5.61
25.16	0.00	0.2	0.923	I	0	5.60
25.250	0.00	0.2	0.921	I	0	5.59
25.333	0.00	0.2	0.919	I	0	5.59
25.41	0.00	0.2	0.91	I	0	5.58
25.500	0.00	0.2	0.915	I	0	5.5
25.583	0.00	0.26	0.913	I	0	5.56
25.66	0.00	0.26	0.912	I	0	5.55
25.50	0.00	0.26	0.910	I	0	5.54
25.833	0.00	0.26	0.908	I	0	5.54
25.91	0.00	0.26	0.906	I	0	5.53
26.000	0.00	0.26	0.904	I	0	5.52
26.083	0.00	0.25	0.903	I	0	5.51
26.16	0.00	0.25	0.901	I	0	5.50
26.250	0.00	0.25	0.899	I	0	5.50
26.333	0.00	0.25	0.898	I	0	5.49
26.41	0.00	0.25	0.896	I	0	5.48
26.500	0.00	0.25	0.894	I	0	5.4
26.583	0.00	0.25	0.892	I	0	5.4
26.66	0.00	0.24	0.891	I	0	5.46
26.50	0.00	0.24	0.889	I	0	5.45
26.833	0.00	0.24	0.88	I	0	5.44
26.91	0.00	0.24	0.886	I	0	5.44
2.000	0.00	0.24	0.884	I	0	5.43
2.083	0.00	0.24	0.882	I	0	5.42
2.16	0.00	0.24	0.881	I	0	5.41
2.250	0.00	0.23	0.8.9	I	0	5.41
2.333	0.00	0.23	0.8.8	I	0	5.40
2.41	0.00	0.23	0.8.6	I	0	5.39
2.500	0.00	0.23	0.8.4	I	0	5.38
2.583	0.00	0.23	0.8.3	I	0	5.38
2.66	0.00	0.23	0.8.1	I	0	5.3
2.50	0.00	0.23	0.8.0	I	0	5.36
2.833	0.00	0.22	0.868	I	0	5.36
2.91	0.00	0.22	0.86	I	0	5.35
28.000	0.00	0.22	0.865	I	0	5.34
28.083	0.00	0.22	0.864	I	0	5.34
28.16	0.00	0.22	0.862	I	0	5.33
28.250	0.00	0.22	0.861	I	0	5.32
28.333	0.00	0.22	0.859	I	0	5.32
28.41	0.00	0.21	0.858	I	0	5.31
28.500	0.00	0.21	0.856	I	0	5.30
28.583	0.00	0.21	0.855	I	0	5.30
28.66	0.00	0.21	0.853	I	0	5.29
28.50	0.00	0.21	0.852	I	0	5.28
28.833	0.00	0.21	0.850	I	0	5.28
28.91	0.00	0.21	0.849	I	0	5.2
29.000	0.00	0.21	0.84	I	0	5.26
29.083	0.00	0.20	0.846	I	0	5.26
29.16	0.00	0.20	0.845	I	0	5.25
29.250	0.00	0.20	0.843	I	0	5.24
29.333	0.00	0.20	0.842	I	0	5.24
29.41	0.00	0.20	0.841	I	0	5.23
29.500	0.00	0.20	0.839	I	0	5.23
29.583	0.00	0.20	0.838	I	0	5.22
29.66	0.00	0.20	0.836	I	0	5.21
29.50	0.00	0.19	0.835	I	0	5.21
29.833	0.00	0.19	0.834	I	0	5.20
29.91	0.00	0.19	0.832	I	0	5.20
30.000	0.00	0.19	0.831	I	0	5.19
30.083	0.00	0.19	0.830	I	0	5.18
30.16	0.00	0.19	0.828	I	0	5.18
30.250	0.00	0.19	0.82	I	0	5.1
30.333	0.00	0.19	0.826	I	0	5.1
30.41	0.00	0.19	0.825	I	0	5.16
30.500	0.00	0.18	0.823	I	0	5.15

North Basin 10yr24hr

Page 5 of 7

30.583	0.00	0.18	0.822	I O				5.15
30.66	0.00	0.18	0.821	I O				5.14
30.50	0.00	0.18	0.820	I O				5.14
30.833	0.00	0.18	0.818	I O				5.13
30.91	0.00	0.18	0.81	I O				5.13
31.000	0.00	0.18	0.816	I O				5.12
31.083	0.00	0.18	0.815	I O				5.12
31.16	0.00	0.18	0.813	I O				5.11
31.250	0.00	0.1	0.812	I O				5.10
31.333	0.00	0.1	0.811	I O				5.10
31.41	0.00	0.1	0.810	I O				5.09
31.500	0.00	0.1	0.809	I O				5.09
31.583	0.00	0.1	0.80	I O				5.08
31.66	0.00	0.1	0.806	I O				5.08
31.50	0.00	0.1	0.805	I O				5.0
31.833	0.00	0.1	0.804	I O				5.0
31.91	0.00	0.1	0.803	I O				5.06
32.000	0.00	0.1	0.802	I O				5.06
32.083	0.00	0.16	0.801	I O				5.05
32.16	0.00	0.16	0.99	I O				5.05
32.250	0.00	0.16	0.98	I O				5.04
32.333	0.00	0.16	0.9	I O				5.04
32.41	0.00	0.16	0.96	I O				5.03
32.500	0.00	0.16	0.95	I O				5.03
32.583	0.00	0.16	0.94	I O				5.02
32.66	0.00	0.16	0.93	I O				5.02
32.50	0.00	0.16	0.92	I O				5.01
32.833	0.00	0.16	0.91	I O				5.01
32.91	0.00	0.15	0.90	I O				5.00
33.000	0.00	0.15	0.89	I O				5.00
33.083	0.00	0.15	0.8	I O				4.99
33.16	0.00	0.15	0.86	I O				4.99
33.250	0.00	0.15	0.85	I O				4.98
33.333	0.00	0.15	0.84	I O				4.98
33.41	0.00	0.15	0.83	I O				4.9
33.500	0.00	0.15	0.82	I O				4.9
33.583	0.00	0.15	0.81	I O				4.96
33.66	0.00	0.15	0.80	I O				4.96
33.50	0.00	0.15	0.9	I O				4.95
33.833	0.00	0.15	0.8	I O				4.95
33.91	0.00	0.15	0.7	I O				4.94
34.000	0.00	0.14	0.6	I O				4.94
34.083	0.00	0.14	0.5	I O				4.93
34.16	0.00	0.14	0.4	I O				4.93
34.250	0.00	0.14	0.3	I O				4.92
34.333	0.00	0.14	0.2	I O				4.92
34.41	0.00	0.14	0.1	I O				4.91
34.500	0.00	0.14	0.0	I O				4.91
34.583	0.00	0.14	0.69	I O				4.90
34.66	0.00	0.14	0.68	I O				4.90
34.50	0.00	0.14	0.6	I O				4.89
34.833	0.00	0.14	0.6	I O				4.89
34.91	0.00	0.14	0.66	I O				4.88
35.000	0.00	0.14	0.65	I O				4.88
35.083	0.00	0.14	0.64	I O				4.8
35.16	0.00	0.13	0.63	I O				4.8
35.250	0.00	0.13	0.62	I O				4.86
35.333	0.00	0.13	0.61	I O				4.86
35.41	0.00	0.13	0.60	I O				4.86
35.500	0.00	0.13	0.59	I O				4.85
35.583	0.00	0.13	0.58	I O				4.85
35.66	0.00	0.13	0.5	I O				4.84
35.50	0.00	0.13	0.56	I O				4.84
35.833	0.00	0.13	0.56	I O				4.83
35.91	0.00	0.13	0.55	IO				4.83
36.000	0.00	0.13	0.54	IO				4.82
36.083	0.00	0.13	0.53	IO				4.82
36.16	0.00	0.13	0.52	IO				4.82
36.250	0.00	0.13	0.51	IO				4.81
36.333	0.00	0.12	0.50	IO				4.81
36.41	0.00	0.12	0.49	IO				4.80
36.500	0.00	0.12	0.49	IO				4.80
36.583	0.00	0.12	0.48	IO				4.9
36.66	0.00	0.12	0.4	IO				4.9
36.50	0.00	0.12	0.46	IO				4.9
36.833	0.00	0.12	0.45	IO				4.8
36.91	0.00	0.12	0.44	IO				4.8
3.000	0.00	0.12	0.44	IO				4.8
3.083	0.00	0.12	0.43	IO				4.8
3.16	0.00	0.12	0.42	IO				4.8
3.250	0.00	0.12	0.41	IO				4.6
3.333	0.00	0.12	0.40	IO				4.6
3.41	0.00	0.12	0.39	IO				4.5
3.500	0.00	0.12	0.39	IO				4.5
3.583	0.00	0.12	0.38	IO				4.4
3.66	0.00	0.12	0.3	IO				4.4
3.50	0.00	0.11	0.36	IO				4.4

North Basin 10yr24hr

Page 6 of 7

3_.833	0.00	0.11	0._35	IO					4._3
3_.91	0.00	0.11	0._35	IO					4._3
38.000	0.00	0.11	0._34	IO					4._2
38.083	0.00	0.11	0._33	IO					4._2
38.16	0.00	0.11	0._32	IO					4._2
38.250	0.00	0.11	0._32	IO					4._1
38.333	0.00	0.11	0._31	IO					4._1
38.41	0.00	0.11	0._30	IO					4._1
38.500	0.00	0.11	0._29	IO					4._0
38.583	0.00	0.11	0._29	IO					4._0
38.66	0.00	0.11	0._28	IO					4.69
38._50	0.00	0.11	0._2	IO					4.69
38.833	0.00	0.11	0._26	IO					4.69
38.91	0.00	0.11	0._26	IO					4.68
39.000	0.00	0.11	0._25	IO					4.68
39.083	0.00	0.11	0._24	IO					4.68
39.16	0.00	0.10	0._23	IO					4.6
39.250	0.00	0.10	0._23	IO					4.6
39.333	0.00	0.10	0._22	IO					4.6
39.41	0.00	0.10	0._21	IO					4.66
39.500	0.00	0.10	0._21	IO					4.66
39.583	0.00	0.10	0._20	IO					4.65
39.66	0.00	0.10	0._19	IO					4.65
39._50	0.00	0.10	0._18	IO					4.65
39.833	0.00	0.10	0._18	IO					4.64
39.91	0.00	0.10	0._1	IO					4.64
40.000	0.00	0.10	0._16	IO					4.64

Remaining water in basin = 0._2 (Ac.Ft)

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*****HYDROGRAPH DATA*****
      Number of intervals = 480
      Time interval = 5.0 (Min.)
      Maximum/Peak flow rate = 0.398 (CFS)
      Total volume = 0.53_ (Ac.Ft)
      Status of hydrographs being held in storage
      Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
      Peak (CFS) 0.000 0.000 0.000 0.000 0.000
      Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000
*****

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1.083	2.88	0.0	0.62	0	I					4.41
1.16	0.44	0.0	0.683	0						4.4
1.250	0.09	0.08	0.684	0						4.4
1.333	0.00	0.0	0.684	0						4.4

Remaining water in basin = 0.68 (Ac.Ft)

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*****HYDROGRAPH DATA*****
      Number of intervals = 16
      Time interval = 5.0 (Min.)
      Maximum/Peak flow rate = 0.05 (CFS)
      Total volume = 0.002 (Ac.Ft)
      Status of hydrographs being held in storage
      Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
      Peak (CFS) 0.000 0.000 0.000 0.000 0.000
      Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000
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1.583	3.08	0.00	0.264	O	I					2.8
1.66	3.1	0.00	0.285	O	I					3.00
1.50	3.93	0.00	0.309	O		I				3.08
1.833	4.23	0.00	0.338	O		I				3.18
1.91	3.9	0.00	0.366	O		I				3.2
2.000	3.91	0.00	0.393	O		I				3.36
2.083	4.05	0.00	0.420	O		I				3.45
2.16	5.20	0.00	0.452	O			I			3.55
2.250	6.84	0.00	0.494	O				I		3.69
2.333	6.16	0.00	0.538	O				I		3.83
2.41	8.35	0.00	0.588	O					I	4.00
2.500	11.21	0.05	0.655	O					I	4.33
2.583	12.85	0.12	0.38	O					I	4.4
2.66	11.51	0.18	0.821	O					I	5.14
2.50	6.2	0.23	0.880	O			I			5.41
2.833	3.00	0.26	0.911	O		I				5.55
2.91	2.31	0.28	0.92	O		I				5.62
3.000	1.42	0.29	0.938	O	I					5.6
3.083	0.48	0.29	0.942	O	I					5.69
3.16	0.10	0.29	0.942	O						5.69
3.250	0.02	0.29	0.941	O						5.68
3.333	0.00	0.29	0.939	O						5.68
3.41	0.00	0.28	0.93	O						5.6
3.500	0.00	0.28	0.935	O						5.66
3.583	0.00	0.28	0.933	O						5.65
3.66	0.00	0.28	0.931	O						5.64
3.50	0.00	0.28	0.929	O						5.63
3.833	0.00	0.28	0.92	O						5.62
3.91	0.00	0.2	0.925	O						5.61
4.000	0.00	0.2	0.924	O						5.61
4.083	0.00	0.2	0.922	O						5.60
4.16	0.00	0.2	0.920	O						5.59
4.250	0.00	0.2	0.918	O						5.58
4.333	0.00	0.2	0.916	O						5.5
4.41	0.00	0.26	0.914	O						5.56
4.500	0.00	0.26	0.912	O						5.56
4.583	0.00	0.26	0.911	O						5.55
4.66	0.00	0.26	0.909	O						5.54
4.50	0.00	0.26	0.90	O						5.53
4.833	0.00	0.26	0.905	O						5.52
4.91	0.00	0.26	0.904	O						5.52
5.000	0.00	0.25	0.902	O						5.51
5.083	0.00	0.25	0.900	O						5.50
5.16	0.00	0.25	0.898	O						5.49
5.250	0.00	0.25	0.89	O						5.48
5.333	0.00	0.25	0.895	O						5.48
5.41	0.00	0.25	0.893	O						5.4
5.500	0.00	0.24	0.892	O						5.46
5.583	0.00	0.24	0.890	O						5.45
5.66	0.00	0.24	0.888	O						5.45
5.50	0.00	0.24	0.88	O						5.44
5.833	0.00	0.24	0.885	O						5.43
5.91	0.00	0.24	0.883	O						5.42
6.000	0.00	0.24	0.882	O						5.42
6.083	0.00	0.23	0.880	O						5.41
6.16	0.00	0.23	0.88	O						5.40
6.250	0.00	0.23	0.8	O						5.40
6.333	0.00	0.23	0.85	O						5.39
6.41	0.00	0.23	0.84	O						5.38
6.500	0.00	0.23	0.82	O						5.3
6.583	0.00	0.23	0.80	O						5.3
6.66	0.00	0.22	0.869	O						5.36
6.50	0.00	0.22	0.86	O						5.35
6.833	0.00	0.22	0.866	O						5.35
6.91	0.00	0.22	0.864	O						5.34
6.000	0.00	0.22	0.863	O						5.33
6.083	0.00	0.22	0.861	O						5.33
6.16	0.00	0.22	0.860	O						5.32
6.250	0.00	0.22	0.858	O						5.31
6.333	0.00	0.21	0.85	O						5.31
6.41	0.00	0.21	0.855	O						5.30
6.500	0.00	0.21	0.854	O						5.29
6.583	0.00	0.21	0.852	O						5.29
6.66	0.00	0.21	0.851	O						5.28
6.50	0.00	0.21	0.850	O						5.2
6.833	0.00	0.21	0.848	O						5.2
6.91	0.00	0.20	0.84	O						5.26
8.000	0.00	0.20	0.845	O						5.25
8.083	0.00	0.20	0.844	O						5.25
8.16	0.00	0.20	0.843	O						5.24
8.250	0.00	0.20	0.841	O						5.24
8.333	0.00	0.20	0.840	O						5.23
8.41	0.00	0.20	0.838	O						5.22
8.500	0.00	0.20	0.83	O						5.22
8.583	0.00	0.20	0.836	O						5.21
8.66	0.00	0.19	0.834	O						5.20
8.50	0.00	0.19	0.833	O						5.20

North Basin 100yr3hr

Page 2 of 4

8.833	0.00	0.19	0.832	o					5.19
8.91	0.00	0.19	0.830	o					5.19
9.000	0.00	0.19	0.829	o					5.18
9.083	0.00	0.19	0.828	o					5.1
9.16	0.00	0.19	0.82	o					5.1
9.250	0.00	0.19	0.825	o					5.16
9.333	0.00	0.18	0.824	o					5.16
9.41	0.00	0.18	0.823	o					5.15
9.500	0.00	0.18	0.821	o					5.15
9.583	0.00	0.18	0.820	o					5.14
9.66	0.00	0.18	0.819	o					5.13
9.50	0.00	0.18	0.818	o					5.13
9.833	0.00	0.18	0.816	o					5.12
9.91	0.00	0.18	0.815	o					5.12
10.000	0.00	0.18	0.814	o					5.11
10.083	0.00	0.18	0.813	o					5.11
10.16	0.00	0.1	0.812	o					5.10
10.250	0.00	0.1	0.810	o					5.10
10.333	0.00	0.1	0.809	o					5.09
10.41	0.00	0.1	0.808	o					5.09
10.500	0.00	0.1	0.80	o					5.08
10.583	0.00	0.1	0.806	o					5.08
10.66	0.00	0.1	0.805	o					5.0
10.50	0.00	0.1	0.803	o					5.06
10.833	0.00	0.1	0.802	o					5.06
10.91	0.00	0.16	0.801	o					5.05
11.000	0.00	0.16	0.800	o					5.05
11.083	0.00	0.16	0.99	o					5.04
11.16	0.00	0.16	0.98	o					5.04
11.250	0.00	0.16	0.9	o					5.03
11.333	0.00	0.16	0.96	o					5.03
11.41	0.00	0.16	0.94	o					5.02
11.500	0.00	0.16	0.93	o					5.02
11.583	0.00	0.16	0.92	o					5.01
11.66	0.00	0.16	0.91	o					5.01
11.50	0.00	0.15	0.90	o					5.00
11.833	0.00	0.15	0.89	o					5.00
11.91	0.00	0.15	0.88	o					4.99
12.000	0.00	0.15	0.8	o					4.99
12.083	0.00	0.15	0.86	o					4.98
12.16	0.00	0.15	0.85	o					4.98
12.250	0.00	0.15	0.84	o					4.9
12.333	0.00	0.15	0.83	o					4.9
12.41	0.00	0.15	0.82	o					4.96
12.500	0.00	0.15	0.81	o					4.96
12.583	0.00	0.15	0.80	o					4.95
12.66	0.00	0.15	0.9	o					4.95
12.50	0.00	0.15	0.8	o					4.94
12.833	0.00	0.14	0.7	o					4.94
12.91	0.00	0.14	0.6	o					4.93
13.000	0.00	0.14	0.5	o					4.93
13.083	0.00	0.14	0.4	o					4.92
13.16	0.00	0.14	0.3	o					4.92
13.250	0.00	0.14	0.2	o					4.91
13.333	0.00	0.14	0.1	o					4.91
13.41	0.00	0.14	0.0	o					4.90
13.500	0.00	0.14	0.69	o					4.90
13.583	0.00	0.14	0.68	o					4.89
13.66	0.00	0.14	0.6	o					4.89
13.50	0.00	0.14	0.66	o					4.89
13.833	0.00	0.14	0.65	o					4.88
13.91	0.00	0.14	0.64	o					4.88
14.000	0.00	0.13	0.63	o					4.8
14.083	0.00	0.13	0.62	o					4.8
14.16	0.00	0.13	0.61	o					4.86
14.250	0.00	0.13	0.60	o					4.86
14.333	0.00	0.13	0.60	o					4.85
14.41	0.00	0.13	0.59	o					4.85
14.500	0.00	0.13	0.58	o					4.84
14.583	0.00	0.13	0.5	o					4.84
14.66	0.00	0.13	0.56	o					4.83
14.50	0.00	0.13	0.55	o					4.83
14.833	0.00	0.13	0.54	o					4.83
14.91	0.00	0.13	0.53	o					4.82
15.000	0.00	0.13	0.52	o					4.82
15.083	0.00	0.13	0.52	o					4.81
15.16	0.00	0.13	0.51	o					4.81
15.250	0.00	0.12	0.50	o					4.80
15.333	0.00	0.12	0.49	o					4.80
15.41	0.00	0.12	0.48	o					4.80
15.500	0.00	0.12	0.4	o					4.9
15.583	0.00	0.12	0.46	o					4.9
15.66	0.00	0.12	0.46	o					4.8
15.50	0.00	0.12	0.45	o					4.8
15.833	0.00	0.12	0.44	o					4.8
15.91	0.00	0.12	0.43	o					4.8
16.000	0.00	0.12	0.42	o					4.8

North Basin 100yr3hr

Page 3 of 4

16.083	0.00	0.12	0.41	0					4.6
16.16	0.00	0.12	0.41	0					4.6
16.250	0.00	0.12	0.40	0					4.5
16.333	0.00	0.12	0.39	0					4.5
16.41	0.00	0.12	0.38	0					4.5
16.500	0.00	0.12	0.3	0					4.4
16.583	0.00	0.11	0.3	0					4.4
16.66	0.00	0.11	0.36	0					4.3
16.50	0.00	0.11	0.35	0					4.3
16.833	0.00	0.11	0.34	0					4.3
16.91	0.00	0.11	0.34	0					4.2
1.000	0.00	0.11	0.33	0					4.2
1.083	0.00	0.11	0.32	0					4.1
1.16	0.00	0.11	0.31	0					4.1
1.250	0.00	0.11	0.30	0					4.1
1.333	0.00	0.11	0.30	0					4.0
1.41	0.00	0.11	0.29	0					4.0
1.500	0.00	0.11	0.28	0					4.0
1.583	0.00	0.11	0.2	0					4.69
1.66	0.00	0.11	0.2	0					4.69
1.50	0.00	0.11	0.26	0					4.68
1.833	0.00	0.11	0.25	0					4.68
1.91	0.00	0.11	0.25	0					4.68
18.000	0.00	0.11	0.24	0					4.6
18.083	0.00	0.10	0.23	0					4.6
18.16	0.00	0.10	0.22	0					4.6
18.250	0.00	0.10	0.22	0					4.66
18.333	0.00	0.10	0.21	0					4.66
18.41	0.00	0.10	0.20	0					4.66
18.500	0.00	0.10	0.20	0					4.65
18.583	0.00	0.10	0.19	0					4.65
18.66	0.00	0.10	0.18	0					4.65
18.50	0.00	0.10	0.1	0					4.64
18.833	0.00	0.10	0.1	0					4.64

Remaining water in basin = 0.2 (Ac.Ft)

```

*****HYDROGRAPH DATA*****
      Number of intervals = 226
      Time interval = 5.0 (Min.)
      Maximum/Peak flow rate = 0.290 (CFS)
      Total volume = 0.240 (Ac.Ft)
      Status of hydrographs being held in storage
      Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
      Peak (CFS) 0.000 0.000 0.000 0.000 0.000
      Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000
*****

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Program License Serial Number 5006

***** HYDROGRAPH INFORMATION *****

From study/file name: PRO1006100.rte
 *****HYDROGRAPH DATA*****
 Number of intervals = x5
 Time interval = 5.0 (Min.)
 Makimum/Peaw flo7 rate = 11.0x8 (CFS)
 Total volume = 1.194 (Ac.Ft)
 Status of hydrographs being held in storage
 Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
 Peaw (CFS) 0.000 0.000 0.000 0.000 0.000
 Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

++++++
 Process from Point/Station 1.000 to Point/Station 2.000
 **** RETARDING BASIN ROUTING ****

 User entry of depth-outflo7-storage data

Total number of inflo7 hydrograph intervals = x5
 Hydrograph time unit = 5.000 (Min.)
 Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
 Initial basin storage = 0.00 (Ac.Ft)
 Initial basin outflo7 = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflo7 (CFS)	(S-o*dt/2) (Ac.Ft)	(S+o*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.095	0.001	0.095	0.095
2.000	0.189	0.002	0.189	0.189
3.000	0.284	0.003	0.284	0.284
4.000	0.589	0.004	0.589	0.589
5.000	0.x89	0.154	0.x88	0.x90
6.000	1.011	0.350	1.010	1.012
x.000	1.258	0.618	1.256	1.260
x.400	1.364	0.690	1.362	1.366
8.000	1.530	50.310	1.35x	1.x03

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflo7; 'O'=outflo7 at time sho7n

Time (Hours)	Inflo7 (CFS)	Outflo7 (CFS)	Storage (Ac.Ft)	.0	2.8	5.54	8.31	11.08	Depth (Ft.)
0.083	0.40	0.00	0.001	O I					0.01
0.16x	0.x9	0.00	0.005	O I					0.06
0.250	0.91	0.00	0.011	O I					0.12
0.333	0.93	0.00	0.018	O I					0.19
0.41x	0.94	0.00	0.024	O I					0.25
0.500	1.02	0.00	0.031	O I					0.32
0.583	1.08	0.00	0.038	O I					0.40
0.66x	1.09	0.00	0.045	O I					0.48
0.x50	1.09	0.00	0.053	O I					0.56
0.833	1.09	0.00	0.061	O I					0.64
0.91x	1.09	0.00	0.068	O I					0.x2
1.000	1.1x	0.00	0.0x6	O I					0.80
1.083	1.24	0.00	0.084	O I					0.89
1.16x	1.25	0.00	0.093	O I					0.98
1.250	1.25	0.00	0.101	O I					1.0x
1.333	1.25	0.00	0.110	O I					1.16
1.41x	1.25	0.00	0.118	O I					1.25
1.500	1.25	0.00	0.12x	O I					1.34

North Basin 100yr6hr

Page 1 of 5

1.583	1.25	0.00	0.136	O	I						1.43
1.66x	1.25	0.00	0.144	O	I						1.52
1.x50	1.25	0.00	0.153	O	I						1.62
1.833	1.25	0.00	0.161	O	I						1.x1
1.91x	1.25	0.00	0.1x0	O	I						1.80
2.000	1.33	0.00	0.1x9	O	I						1.89
2.083	1.31	0.00	0.188	O	I						1.99
2.16x	1.34	0.00	0.19x	O	I						2.09
2.250	1.39	0.00	0.206	O	I						2.18
2.333	1.40	0.00	0.216	O	I						2.29
2.41x	1.41	0.00	0.226	O	I						2.39
2.500	1.41	0.00	0.235	O	I						2.49
2.583	1.41	0.00	0.245	O	I						2.59
2.66x	1.41	0.00	0.255	O	I						2.69
2.x50	1.49	0.00	0.265	O	I						2.80
2.833	1.55	0.00	0.2x5	O	I						2.91
2.91x	1.56	0.00	0.286	O	I						3.01
3.000	1.56	0.00	0.29x	O	I						3.04
3.083	1.56	0.00	0.30x	O	I						3.08
3.16x	1.64	0.00	0.318	O	I						3.11
3.250	1.x0	0.00	0.330	O	I						3.15
3.333	1.x2	0.00	0.342	O	I						3.19
3.41x	1.80	0.00	0.354	O	I						3.23
3.500	1.94	0.00	0.366	O	I						3.2x
3.583	2.09	0.00	0.380	O	I						3.32
3.66x	2.1x	0.00	0.395	O	I						3.36
3.x50	2.26	0.00	0.410	O	I						3.41
3.833	2.33	0.00	0.426	O	I						3.4x
3.91x	2.42	0.00	0.442	O	I						3.52
4.000	2.49	0.00	0.459	O	I						3.5x
4.083	2.58	0.00	0.4xx	O	I						3.63
4.16x	2.x2	0.00	0.495	O	I						3.69
4.250	2.89	0.00	0.514	O	I						3.x5
4.333	3.11	0.00	0.535	O	I						3.82
4.41x	3.36	0.00	0.55x	O	I						3.90
4.500	3.48	0.00	0.581	O	I						3.9x
4.583	3.63	0.02	0.605	O	I						4.08
4.66x	3.8x	0.04	0.631	O	I						4.21
4.x50	4.11	0.06	0.658	O	I						4.34
4.833	4.24	0.08	0.686	O	I						4.49
4.91x	4.39	0.10	0.x15	O	I						4.63
5.000	4.62	0.12	0.x46	O	I						4.x8
5.083	5.38	0.15	0.xx9	O	I						4.95
5.16x	6.55	0.18	0.819	O	I						5.14
5.250	x.53	0.22	0.866	O	I						5.35
5.333	8.33	0.2x	0.919	O	I						5.59
5.41x	9.35	0.32	0.9x8	O	I						5.85
5.500	11.08	0.39	1.046	O	I						6.14
5.583	x.38	0.45	1.106	O	I						6.19
5.66x	3.01	0.49	1.139	O	I						6.39
5.x50	1.51	0.50	1.151	O	I						6.52
5.833	0.94	0.51	1.156	O	I						6.5x
5.91x	0.65	0.51	1.158	O	I						6.59
6.000	0.42	0.51	1.158	O	I						6.60
6.083	0.18	0.51	1.15x	O	I						6.60
6.16x	0.03	0.51	1.154	O	I						6.59
6.250	0.01	0.50	1.151	O	I						6.58
6.333	0.00	0.50	1.14x	O	I						6.5x
6.41x	0.00	0.49	1.144	O	I						6.55
6.500	0.00	0.49	1.140	O	I						6.54
6.583	0.00	0.49	1.13x	O	I						6.52
6.66x	0.00	0.48	1.134	O	I						6.51
6.x50	0.00	0.48	1.130	O	I						6.50
6.833	0.00	0.48	1.12x	O	I						6.48
6.91x	0.00	0.4x	1.124	O	I						6.4x
x.000	0.00	0.4x	1.121	O	I						6.46
x.083	0.00	0.4x	1.11x	O	I						6.44
x.16x	0.00	0.46	1.114	O	I						6.43
x.250	0.00	0.46	1.111	O	I						6.42
x.333	0.00	0.46	1.108	O	I						6.40
x.41x	0.00	0.45	1.105	O	I						6.39
x.500	0.00	0.45	1.102	O	I						6.38
x.583	0.00	0.44	1.099	O	I						6.3x
x.66x	0.00	0.44	1.096	O	I						6.35
x.x50	0.00	0.44	1.092	O	I						6.34
x.833	0.00	0.44	1.089	O	I						6.33
x.91x	0.00	0.43	1.086	O	I						6.32
8.000	0.00	0.43	1.084	O	I						6.31
8.083	0.00	0.43	1.081	O	I						6.29
8.16x	0.00	0.42	1.0x8	O	I						6.28
8.250	0.00	0.42	1.0x5	O	I						6.2x
8.333	0.00	0.42	1.0x2	O	I						6.26
8.41x	0.00	0.41	1.069	O	I						6.25
8.500	0.00	0.41	1.066	O	I						6.23
8.583	0.00	0.41	1.063	O	I						6.22
8.66x	0.00	0.40	1.061	O	I						6.21
8.x50	0.00	0.40	1.058	O	I						6.20
											6.19

North Basin 100yr6hr

Page 2 of 5

8.833	0.00	0.40	1.055	IO					6.18
8.91x	0.00	0.39	1.052	IO					6.1x
9.000	0.00	0.39	1.050	IO					6.16
9.083	0.00	0.39	1.04x	IO					6.15
9.16x	0.00	0.39	1.044	IO					6.13
9.250	0.00	0.38	1.042	IO					6.12
9.333	0.00	0.38	1.039	IO					6.11
9.41x	0.00	0.38	1.036	IO					6.10
9.500	0.00	0.3x	1.034	IO					6.09
9.583	0.00	0.3x	1.031	IO					6.08
9.66x	0.00	0.3x	1.029	IO					6.0x
9.x50	0.00	0.3x	1.026	IO					6.06
9.833	0.00	0.36	1.024	IO					6.05
9.91x	0.00	0.36	1.021	IO					6.04
10.000	0.00	0.36	1.019	IO					6.03
10.083	0.00	0.36	1.016	IO					6.02
10.16x	0.00	0.35	1.014	IO					6.01
10.250	0.00	0.35	1.011	IO					6.00
10.333	0.00	0.35	1.009	IO					5.99
10.41x	0.00	0.35	1.00x	O					5.98
10.500	0.00	0.34	1.004	O					5.9x
10.583	0.00	0.34	1.002	O					5.96
10.66x	0.00	0.34	0.999	O					5.95
10.x50	0.00	0.34	0.99x	O					5.94
10.833	0.00	0.34	0.995	O					5.93
10.91x	0.00	0.33	0.992	O					5.92
11.000	0.00	0.33	0.990	O					5.91
11.083	0.00	0.33	0.988	O					5.90
11.16x	0.00	0.33	0.986	O					5.89
11.250	0.00	0.33	0.983	O					5.88
11.333	0.00	0.32	0.981	O					5.8x
11.41x	0.00	0.32	0.9x9	O					5.86
11.500	0.00	0.32	0.9xx	O					5.85
11.583	0.00	0.32	0.9x5	O					5.84
11.66x	0.00	0.32	0.9x2	O					5.83
11.x50	0.00	0.31	0.9x0	O					5.82
11.833	0.00	0.31	0.968	O					5.81
11.91x	0.00	0.31	0.966	O					5.80
12.000	0.00	0.31	0.964	O					5.x9
12.083	0.00	0.31	0.962	O					5.x8
12.16x	0.00	0.30	0.960	O					5.xx
12.250	0.00	0.30	0.95x	O					5.x6
12.333	0.00	0.30	0.955	O					5.x5
12.41x	0.00	0.30	0.953	O					5.x4
12.500	0.00	0.30	0.951	O					5.x3
12.583	0.00	0.30	0.949	O					5.x2
12.66x	0.00	0.29	0.94x	O					5.x1
12.x50	0.00	0.29	0.945	O					5.x0
12.833	0.00	0.29	0.943	O					5.69
12.91x	0.00	0.29	0.941	O					5.69
13.000	0.00	0.29	0.939	O					5.68
13.083	0.00	0.28	0.93x	O					5.6x
13.16x	0.00	0.28	0.935	O					5.66
13.250	0.00	0.28	0.933	O					5.65
13.333	0.00	0.28	0.931	O					5.64
13.41x	0.00	0.28	0.929	O					5.63
13.500	0.00	0.28	0.928	O					5.62
13.583	0.00	0.2x	0.926	O					5.62
13.66x	0.00	0.2x	0.924	O					5.61
13.x50	0.00	0.2x	0.922	O					5.60
13.833	0.00	0.2x	0.920	O					5.59
13.91x	0.00	0.2x	0.918	O					5.58
14.000	0.00	0.2x	0.916	O					5.5x
14.083	0.00	0.26	0.915	O					5.5x
14.16x	0.00	0.26	0.913	O					5.56
14.250	0.00	0.26	0.911	O					5.55
14.333	0.00	0.26	0.909	O					5.54
14.41x	0.00	0.26	0.90x	O					5.53
14.500	0.00	0.26	0.906	O					5.52
14.583	0.00	0.26	0.904	O					5.52
14.66x	0.00	0.25	0.902	O					5.51
14.x50	0.00	0.25	0.900	O					5.50
14.833	0.00	0.25	0.899	O					5.49
14.91x	0.00	0.25	0.89x	O					5.49
15.000	0.00	0.25	0.895	O					5.48
15.083	0.00	0.25	0.893	O					5.4x
15.16x	0.00	0.24	0.892	O					5.46
15.250	0.00	0.24	0.890	O					5.46
15.333	0.00	0.24	0.888	O					5.45
15.41x	0.00	0.24	0.88x	O					5.44
15.500	0.00	0.24	0.885	O					5.43
15.583	0.00	0.24	0.883	O					5.43
15.66x	0.00	0.24	0.882	O					5.42
15.x50	0.00	0.23	0.880	O					5.41
15.833	0.00	0.23	0.8x9	O					5.40
15.91x	0.00	0.23	0.8xx	O					5.40
16.000	0.00	0.23	0.8x5	O					5.39

North Basin 100yr6hr

Page 3 of 5

16.083	0.00	0.23	0.8x4	o					5.38
16.16x	0.00	0.23	0.8x2	o					5.3x
16.250	0.00	0.23	0.8x1	o					5.3x
16.333	0.00	0.22	0.869	o					5.36
16.41x	0.00	0.22	0.868	o					5.35
16.500	0.00	0.22	0.866	o					5.35
16.583	0.00	0.22	0.865	o					5.34
16.66x	0.00	0.22	0.863	o					5.33
16.x50	0.00	0.22	0.861	o					5.33
16.833	0.00	0.22	0.860	o					5.32
16.91x	0.00	0.22	0.859	o					5.31
1x.000	0.00	0.21	0.85x	o					5.31
1x.083	0.00	0.21	0.856	o					5.30
1x.16x	0.00	0.21	0.854	o					5.29
1x.250	0.00	0.21	0.853	o					5.29
1x.333	0.00	0.21	0.851	o					5.28
1x.41x	0.00	0.21	0.850	o					5.2x
1x.500	0.00	0.21	0.848	o					5.2x
1x.583	0.00	0.21	0.84x	o					5.26
1x.66x	0.00	0.20	0.846	o					5.25
1x.x50	0.00	0.20	0.844	o					5.25
1x.833	0.00	0.20	0.843	o					5.24
1x.91x	0.00	0.20	0.841	o					5.24
18.000	0.00	0.20	0.840	o					5.23
18.083	0.00	0.20	0.839	o					5.22
18.16x	0.00	0.20	0.83x	o					5.22
18.250	0.00	0.20	0.836	o					5.21
18.333	0.00	0.19	0.835	o					5.21
18.41x	0.00	0.19	0.833	o					5.20
18.500	0.00	0.19	0.832	o					5.19
18.583	0.00	0.19	0.831	o					5.19
18.66x	0.00	0.19	0.829	o					5.18
18.x50	0.00	0.19	0.828	o					5.18
18.833	0.00	0.19	0.82x	o					5.1x
18.91x	0.00	0.19	0.825	o					5.16
19.000	0.00	0.18	0.824	o					5.16
19.083	0.00	0.18	0.823	o					5.15
19.16x	0.00	0.18	0.822	o					5.15
19.250	0.00	0.18	0.820	o					5.14
19.333	0.00	0.18	0.819	o					5.14
19.41x	0.00	0.18	0.818	o					5.13
19.500	0.00	0.18	0.81x	o					5.12
19.583	0.00	0.18	0.815	o					5.12
19.66x	0.00	0.18	0.814	o					5.11
19.x50	0.00	0.18	0.813	o					5.11
19.833	0.00	0.1x	0.812	o					5.10
19.91x	0.00	0.1x	0.811	o					5.10
20.000	0.00	0.1x	0.809	o					5.09
20.083	0.00	0.1x	0.808	o					5.09
20.16x	0.00	0.1x	0.80x	o					5.08
20.250	0.00	0.1x	0.806	o					5.08
20.333	0.00	0.1x	0.805	o					5.0x
20.41x	0.00	0.1x	0.804	o					5.0x
20.500	0.00	0.1x	0.802	o					5.06
20.583	0.00	0.16	0.801	o					5.06
20.66x	0.00	0.16	0.800	o					5.05
20.x50	0.00	0.16	0.x99	o					5.04
20.833	0.00	0.16	0.x98	o					5.04
20.91x	0.00	0.16	0.x9x	o					5.03
21.000	0.00	0.16	0.x96	o					5.03
21.083	0.00	0.16	0.x95	o					5.03
21.16x	0.00	0.16	0.x93	o					5.02
21.250	0.00	0.16	0.x92	o					5.02
21.333	0.00	0.16	0.x91	o					5.01
21.41x	0.00	0.16	0.x90	o					5.01
21.500	0.00	0.15	0.x89	o					5.00
21.583	0.00	0.15	0.x88	o					5.00
21.66x	0.00	0.15	0.x8x	o					4.99
21.x50	0.00	0.15	0.x86	o					4.99
21.833	0.00	0.15	0.x85	o					4.98
21.91x	0.00	0.15	0.x84	o					4.9x
22.000	0.00	0.15	0.x83	o					4.9x
22.083	0.00	0.15	0.x82	o					4.96
22.16x	0.00	0.15	0.x81	o					4.96
22.250	0.00	0.15	0.x80	o					4.95
22.333	0.00	0.15	0.xx9	o					4.95
22.41x	0.00	0.15	0.xx8	o					4.94
22.500	0.00	0.14	0.xxx	o					4.94
22.583	0.00	0.14	0.xx6	o					4.93
22.66x	0.00	0.14	0.xx5	o					4.93
22.x50	0.00	0.14	0.xx4	o					4.92
22.833	0.00	0.14	0.xx3	o					4.92
22.91x	0.00	0.14	0.xx2	o					4.91
23.000	0.00	0.14	0.xx1	o					4.91
23.083	0.00	0.14	0.xx0	o					4.90
23.16x	0.00	0.14	0.x69	o					4.90
23.250	0.00	0.14	0.x68	o					4.90

North Basin 100yr6hr

Page 4 of 5

23.333	0.00	0.14	0.x6x	0					4.89
23.41x	0.00	0.14	0.x66	0					4.89
23.500	0.00	0.14	0.x65	0					4.88
23.583	0.00	0.14	0.x64	0					4.88
23.66x	0.00	0.13	0.x63	0					4.8x
23.x50	0.00	0.13	0.x62	0					4.8x
23.833	0.00	0.13	0.x61	0					4.86
23.91x	0.00	0.13	0.x61	0					4.86
24.000	0.00	0.13	0.x60	0					4.85
24.083	0.00	0.13	0.x59	0					4.85
24.16x	0.00	0.13	0.x58	0					4.84
24.250	0.00	0.13	0.x5x	0					4.84
24.333	0.00	0.13	0.x56	0					4.84
24.41x	0.00	0.13	0.x55	0					4.83
24.500	0.00	0.13	0.x54	0					4.83
24.583	0.00	0.13	0.x53	0					4.82
24.66x	0.00	0.13	0.x53	0					4.82
24.x50	0.00	0.13	0.x52	0					4.81
24.833	0.00	0.13	0.x51	0					4.81
24.91x	0.00	0.12	0.x50	0					4.80
25.000	0.00	0.12	0.x49	0					4.80
25.083	0.00	0.12	0.x48	0					4.80
25.16x	0.00	0.12	0.x4x	0					4.x9
25.250	0.00	0.12	0.x4x	0					4.x9
25.333	0.00	0.12	0.x46	0					4.x8
25.41x	0.00	0.12	0.x45	0					4.x8
25.500	0.00	0.12	0.x44	0					4.x8
25.583	0.00	0.12	0.x43	0					4.xx
25.66x	0.00	0.12	0.x42	0					4.xx
25.x50	0.00	0.12	0.x42	0					4.x6
25.833	0.00	0.12	0.x41	0					4.x6
25.91x	0.00	0.12	0.x40	0					4.x5
26.000	0.00	0.12	0.x39	0					4.x5
26.083	0.00	0.12	0.x38	0					4.x5
26.16x	0.00	0.12	0.x38	0					4.x4
26.250	0.00	0.11	0.x3x	0					4.x4
26.333	0.00	0.11	0.x36	0					4.x3
26.41x	0.00	0.11	0.x35	0					4.x3
26.500	0.00	0.11	0.x34	0					4.x3
26.583	0.00	0.11	0.x34	0					4.x2
26.66x	0.00	0.11	0.x33	0					4.x2
26.x50	0.00	0.11	0.x32	0					4.x2
26.833	0.00	0.11	0.x31	0					4.x1
26.91x	0.00	0.11	0.x31	0					4.x1
2x.000	0.00	0.11	0.x30	0					4.x0
2x.083	0.00	0.11	0.x29	0					4.x0
2x.16x	0.00	0.11	0.x28	0					4.x0
2x.250	0.00	0.11	0.x28	0					4.69
2x.333	0.00	0.11	0.x2x	0					4.69
2x.41x	0.00	0.11	0.x26	0					4.69
2x.500	0.00	0.11	0.x25	0					4.68
2x.583	0.00	0.11	0.x25	0					4.68
2x.66x	0.00	0.11	0.x24	0					4.6x
2x.x50	0.00	0.10	0.x23	0					4.6x
2x.833	0.00	0.10	0.x22	0					4.6x
2x.91x	0.00	0.10	0.x22	0					4.66
28.000	0.00	0.10	0.x21	0					4.66
28.083	0.00	0.10	0.x20	0					4.66
28.16x	0.00	0.10	0.x20	0					4.65
28.250	0.00	0.10	0.x19	0					4.65
28.333	0.00	0.10	0.x18	0					4.65
28.41x	0.00	0.10	0.x18	0					4.64
28.500	0.00	0.10	0.x1x	0					4.64

Remaining Water in basin = 0.x2 (Ac.Ft)

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*****HYDROGRAPH DATA*****
      Number of intervals = 342
      Time interval = 5.0 (Min.)
      Makimum/Peaw flo7 rate = 0.510 (CFS)
      Total volume = 0.4xx (Ac.Ft)
      Status of hydrographs being held in storage
      Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
      Peaw (CFS) 0.000 0.000 0.000 0.000 0.000
      Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000
*****

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1.583	0.28	0.00	0.035	0	I				0.36
1.66	0.28	0.00	0.03	0	I				0.38
1.50	0.28	0.00	0.039	0	I				0.41
1.833	0.33	0.00	0.041	0	I				0.43
1.91	0.3	0.00	0.043	0	I				0.45
2.000	0.3	0.00	0.046	0	I				0.48
2.083	0.3	0.00	0.048	0	I				0.51
2.16	0.3	0.00	0.051	0	I				0.53
2.250	0.3	0.00	0.053	0	I				0.56
2.333	0.3	0.00	0.056	0	I				0.59
2.41	0.3	0.00	0.058	0	I				0.61
2.500	0.3	0.00	0.061	0	I				0.64
2.583	0.42	0.00	0.064	0	I				0.6
2.66	0.46	0.00	0.06	0	I				0.0
2.50	0.4	0.00	0.00	0	I				0.4
2.833	0.4	0.00	0.03	0	I				0.
2.91	0.4	0.00	0.06	0	I				0.80
3.000	0.4	0.00	0.080	0	I				0.84
3.083	0.4	0.00	0.083	0	I				0.8
3.16	0.4	0.00	0.086	0	I				0.91
3.250	0.4	0.00	0.089	0	I				0.94
3.333	0.4	0.00	0.093	0	I				0.9
3.41	0.4	0.00	0.096	0	I				1.01
3.500	0.4	0.00	0.099	0	I				1.04
3.583	0.4	0.00	0.102	0	I				1.08
3.66	0.4	0.00	0.105	0	I				1.11
3.50	0.4	0.00	0.109	0	I				1.14
3.833	0.52	0.00	0.112	0	I				1.18
3.91	0.55	0.00	0.116	0	I				1.22
4.000	0.56	0.00	0.119	0	I				1.26
4.083	0.56	0.00	0.123	0	I				1.30
4.16	0.56	0.00	0.12	0	I				1.34
4.250	0.56	0.00	0.131	0	I				1.38
4.333	0.61	0.00	0.135	0	I				1.43
4.41	0.65	0.00	0.139	0	I				1.4
4.500	0.65	0.00	0.144	0	I				1.52
4.583	0.66	0.00	0.148	0	I				1.5
4.66	0.66	0.00	0.153	0	I				1.62
4.50	0.66	0.00	0.15	0	I				1.66
4.833	0.0	0.00	0.162	0	I				1.1
4.91	0.4	0.00	0.16	0	I				1.
5.000	0.5	0.00	0.12	0	I				1.82
5.083	0.65	0.00	0.1	0	I				1.8
5.16	0.58	0.00	0.181	0	I				1.92
5.250	0.5	0.00	0.185	0	I				1.96
5.333	0.61	0.00	0.189	0	I				2.00
5.41	0.65	0.00	0.194	0	I				2.05
5.500	0.65	0.00	0.198	0	I				2.09
5.583	0.0	0.00	0.203	0	I				2.14
5.66	0.4	0.00	0.208	0	I				2.20
5.50	0.5	0.00	0.213	0	I				2.25
5.833	0.5	0.00	0.218	0	I				2.30
5.91	0.5	0.00	0.223	0	I				2.36
6.000	0.5	0.00	0.228	0	I				2.41
6.083	0.80	0.00	0.233	0	I				2.4
6.16	0.84	0.00	0.239	0	I				2.53
6.250	0.84	0.00	0.245	0	I				2.59
6.333	0.84	0.00	0.251	0	I				2.65
6.41	0.84	0.00	0.256	0	I				2.1
6.500	0.84	0.00	0.262	0	I				2.
6.583	0.89	0.00	0.268	0	I				2.83
6.66	0.93	0.00	0.24	0	I				2.90
6.50	0.94	0.00	0.281	0	I				2.9
6.833	0.94	0.00	0.28	0	I				3.01
6.91	0.94	0.00	0.294	0	I				3.03
7.000	0.94	0.00	0.300	0	I				3.05
7.083	0.94	0.00	0.30	0	I				3.0
7.16	0.94	0.00	0.313	0	I				3.09
7.250	0.94	0.00	0.319	0	I				3.12
7.333	0.98	0.00	0.326	0	I				3.14
7.41	1.02	0.00	0.333	0	I				3.16
7.500	1.03	0.00	0.340	0	I				3.18
7.583	1.08	0.00	0.34	0	I				3.21
7.66	1.12	0.00	0.355	0	I				3.23
7.50	1.12	0.00	0.362	0	I				3.26
7.833	1.1	0.00	0.30	0	I				3.28
7.91	1.21	0.00	0.38	0	I				3.31
8.000	1.22	0.00	0.38	0	I				3.34
8.083	1.31	0.00	0.395	0	I				3.3
8.16	1.39	0.00	0.405	0	I				3.40
8.250	1.40	0.00	0.414	0	I				3.43
8.333	1.41	0.00	0.424	0	I				3.46
8.41	1.41	0.00	0.434	0	I				3.49
8.500	1.41	0.00	0.443	0	I				3.52
8.583	1.45	0.00	0.453	0	I				3.55
8.66	1.49	0.00	0.463	0	I				3.59
8.50	1.50	0.00	0.44	0	I				3.62

North Basin 100yr24hr

Page 2 of 8

8.833	1.55	0.00	0.484	O	I					3.66
8.91	1.58	0.00	0.495	O	I					3.69
9.000	1.59	0.00	0.506	O	I					3.73
9.083	1.69	0.00	0.51	O	I					3.76
9.16	1.6	0.00	0.529	O	I					3.80
9.250	1.8	0.00	0.541	O	I					3.84
9.333	1.83	0.00	0.553	O	I					3.88
9.41	1.8	0.00	0.566	O	I					3.92
9.500	1.8	0.00	0.59	O	I					3.9
9.583	1.92	0.01	0.592	O	I					4.01
9.66	1.96	0.02	0.605	O	I					4.08
9.50	1.9	0.03	0.619	O	I					4.15
9.833	2.02	0.04	0.632	O	I					4.22
9.91	2.05	0.05	0.646	O	I					4.28
10.000	2.06	0.06	0.660	O	I					4.35
10.083	1.3	0.0	0.62	O	I					4.42
10.16	1.4	0.0	0.683	O	I					4.4
10.250	1.42	0.08	0.692	O	I					4.52
10.333	1.41	0.09	0.01	O	I					4.56
10.41	1.41	0.10	0.10	O	I					4.61
10.500	1.41	0.10	0.19	O	I					4.65
10.583	1.64	0.11	0.29	O	I					4.0
10.66	1.83	0.12	0.40	O	I					4.6
10.50	1.86	0.13	0.52	O	I					4.82
10.833	1.8	0.14	0.64	O	I					4.88
10.91	1.8	0.14	0.6	O	I					4.94
11.000	1.8	0.15	0.88	O	I					5.00
11.083	1.83	0.16	0.800	O	I					5.05
11.16	1.9	0.1	0.811	O	I					5.10
11.250	1.8	0.18	0.822	O	I					5.15
11.333	1.8	0.19	0.833	O	I					5.20
11.41	1.8	0.20	0.844	O	I					5.25
11.500	1.8	0.21	0.855	O	I					5.30
11.583	1.69	0.22	0.865	O	I					5.34
11.66	1.61	0.23	0.85	O	I					5.39
11.50	1.60	0.24	0.884	O	I					5.43
11.833	1.64	0.25	0.894	O	I					5.4
11.91	1.68	0.26	0.904	O	I					5.52
12.000	1.69	0.26	0.913	O	I					5.56
12.083	2.02	0.2	0.924	O	I					5.61
12.16	2.28	0.28	0.93	O	I					5.6
12.250	2.33	0.30	0.951	O	I					5.3
12.333	2.39	0.31	0.965	O	I					5.9
12.41	2.43	0.32	0.980	O	I					5.86
12.500	2.44	0.34	0.994	O	I					5.92
12.583	2.53	0.35	1.009	O	I					5.99
12.66	2.61	0.36	1.024	O	I					6.05
12.50	2.63	0.38	1.040	O	I					6.12
12.833	2.2	0.40	1.055	O	I					6.18
12.91	2.9	0.42	1.02	O	I					6.18
13.000	2.80	0.43	1.088	O	I					6.24
13.083	3.20	0.45	1.105	O	I					6.31
13.16	3.51	0.4	1.125	O	I					6.38
13.250	3.5	0.50	1.146	O	I					6.46
13.333	3.59	0.52	1.168	O	I					6.55
13.41	3.60	0.54	1.189	O	I					6.63
13.500	3.61	0.5	1.210	O	I					6.72
13.583	2.88	0.59	1.228	O	I					6.80
13.66	2.29	0.60	1.242	O	I					6.88
13.50	2.19	0.61	1.253	O	I					6.93
13.833	2.16	0.62	1.264	O	I					6.98
13.91	2.16	0.63	1.24	O	I					7.02
14.000	2.16	0.64	1.285	O	I					7.06
14.083	2.39	0.64	1.296	O	I					7.10
14.16	2.5	0.65	1.309	O	I					7.14
14.250	2.61	0.66	1.322	O	I					7.19
14.333	2.55	0.6	1.335	O	I					7.24
14.41	2.50	0.68	1.348	O	I					7.29
14.500	2.50	0.69	1.360	O	I					7.34
14.583	2.50	1.99	1.368	O	I					7.39
14.66	2.51	2.51	1.30	O	I					7.42
14.50	2.51	2.51	1.30	O	I					7.42
14.833	2.44	2.48	1.30	O	I					7.42
14.91	2.39	2.42	1.30	O	I					7.42
15.000	2.39	2.39	1.30	O	I					7.42
15.083	2.32	2.35	1.30	O	I					7.42
15.16	2.26	2.29	1.369	O	I					7.42
15.250	2.26	2.26	1.369	O	I					7.42
15.333	2.21	2.23	1.369	O	I					7.42
15.41	2.1	2.19	1.369	O	I					7.42
15.500	2.16	2.16	1.369	O	I					7.42
15.583	1.9	2.06	1.369	O	I					7.42
15.66	1.82	1.89	1.368	O	I					7.41
15.50	1.9	1.80	1.368	O	I					7.41
15.833	1.8	1.8	1.368	O	I					7.41
15.91	1.8	1.8	1.368	O	I					7.41
16.000	1.8	1.8	1.368	O	I					7.41

North Basin 100yr24hr

Page 3 of 8

16.083	1.0	1.42	1.366		I	O					..41
16.16	0.50	0.8	1.364		I	O					..40
16.250	0.40	0.69	1.362		I	O					..39
16.333	0.3	0.69	1.360		I	O					..39
16.41	0.3	0.69	1.358		I	O					..38
16.500	0.3	0.68	1.356		I	O					..3
16.583	0.33	0.68	1.354		I	O					..36
16.66	0.29	0.68	1.351		I	O					..35
16.50	0.28	0.68	1.348		I	O					..34
16.833	0.28	0.68	1.346		I	O					..33
16.91	0.28	0.68	1.343		I	O					..32
1.000	0.28	0.6	1.340		I	O					..31
1.083	0.38	0.6	1.338		I	O					..30
1.16	0.45	0.6	1.336		I	O					..29
1.250	0.46	0.6	1.335		I	O					..29
1.333	0.4	0.6	1.333		I	O					..28
1.41	0.4	0.6	1.332		I	O					..28
1.500	0.4	0.6	1.331		I	O					..2
1.583	0.4	0.6	1.329		I	O					..2
1.66	0.4	0.6	1.328		I	O					..26
1.50	0.4	0.66	1.326		I	O					..26
1.833	0.42	0.66	1.325		I	O					..25
1.91	0.38	0.66	1.323		I	O					..25
18.000	0.38	0.66	1.321		I	O					..24
18.083	0.3	0.66	1.319		I	O					..23
18.16	0.3	0.66	1.31		I	O					..22
18.250	0.3	0.66	1.315		I	O					..22
18.333	0.3	0.66	1.313		I	O					..21
18.41	0.3	0.65	1.311		I	O					..20
18.500	0.3	0.65	1.310		I	O					..19
18.583	0.33	0.65	1.308		I	O					..19
18.66	0.29	0.65	1.305		I	O					..18
18.50	0.28	0.65	1.303		I	O					..1
18.833	0.23	0.65	1.300		I	O					..16
18.91	0.20	0.64	1.29		I	O					..15
19.000	0.19	0.64	1.294		I	O					..14
19.083	0.23	0.64	1.291		I	O					..12
19.16	0.2	0.64	1.288		I	O					..11
19.250	0.28	0.64	1.286		I	O					..10
19.333	0.33	0.64	1.284		I	O					..10
19.41	0.3	0.63	1.282		I	O					..09
19.500	0.3	0.63	1.280		I	O					..08
19.583	0.33	0.63	1.28		I	O					..0
19.66	0.29	0.63	1.26		I	O					..0
19.50	0.28	0.63	1.23		I	O					..06
19.833	0.23	0.62	1.21		I	O					..05
19.91	0.20	0.62	1.268		I	O					..04
20.000	0.19	0.62	1.265		I	O					..03
20.083	0.23	0.62	1.262		I	O					..02
20.16	0.2	0.62	1.260		I	O					..01
20.250	0.28	0.62	1.25		I	O					..00
20.333	0.28	0.61	1.255		I	O					6.99
20.41	0.28	0.61	1.253		I	O					6.98
20.500	0.28	0.61	1.250		I	O					6.9
20.583	0.28	0.61	1.248		I	O					6.96
20.66	0.28	0.60	1.246		I	O					6.95
20.50	0.28	0.60	1.244		I	O					6.94
20.833	0.23	0.60	1.241		I	O					6.93
20.91	0.20	0.60	1.239		I	O					6.92
21.000	0.19	0.59	1.236		I	O					6.91
21.083	0.23	0.59	1.233		I	O					6.90
21.16	0.2	0.59	1.231		I	O					6.89
21.250	0.28	0.59	1.229		I	O					6.88
21.333	0.23	0.58	1.226		I	O					6.8
21.41	0.20	0.58	1.224		I	O					6.86
21.500	0.19	0.58	1.221		I	O					6.85
21.583	0.23	0.58	1.219		I	O					6.84
21.66	0.2	0.5	1.21		I	O					6.83
21.50	0.28	0.5	1.215		I	O					6.82
21.833	0.23	0.5	1.212		I	O					6.82
21.91	0.20	0.5	1.210		I	O					6.81
22.000	0.19	0.56	1.20		I	O					6.9
22.083	0.23	0.56	1.205		I	O					6.9
22.16	0.2	0.56	1.203		I	O					6.8
22.250	0.28	0.56	1.201		I	O					6.8
22.333	0.23	0.55	1.199		I	O					6.8
22.41	0.20	0.55	1.19		I	O					6.8
22.500	0.19	0.55	1.194		I	O					6.8
22.583	0.19	0.55	1.192		I	O					6.8
22.66	0.19	0.54	1.189		I	O					6.8
22.50	0.19	0.54	1.18		I	O					6.8
22.833	0.19	0.54	1.184		I	O					6.8
22.91	0.19	0.54	1.182		I	O					6.8
23.000	0.19	0.53	1.19		I	O					6.8
23.083	0.19	0.53	1.1		I	O					6.8
23.16	0.19	0.53	1.15		I	O					6.8
23.250	0.19	0.53	1.12		I	O					6.8

North Basin 100yr24hr

Page 4 of 8

23.333	0.19	0.52	1.1_0	I	0	6.64
23.41_	0.19	0.52	1.168	I	0	6.63
23.500	0.19	0.52	1.166	I	0	6.63
23.583	0.19	0.52	1.163	I	0	6.62
23.66_	0.19	0.51	1.161	I	0	6.61
23._50	0.19	0.51	1.159	I	0	6.60
23.833	0.19	0.51	1.15_	I	0	6.59
23.91_	0.19	0.51	1.154	I	0	6.58
24.000	0.19	0.50	1.152	I	0	6.5_
24.083	0.09	0.50	1.150	I	0	6.56
24.16_	0.02	0.50	1.14_	I	0	6.55
24.250	0.00	0.49	1.143	I	0	6.54
24.333	0.00	0.49	1.140	I	0	6.52
24.41_	0.00	0.49	1.13_	I	0	6.51
24.500	0.00	0.48	1.133	I	0	6.49
24.583	0.00	0.48	1.130	I	0	6.48
24.66_	0.00	0.48	1.12_	I	0	6.4_
24._50	0.00	0.4_	1.123	I	0	6.45
24.833	0.00	0.4_	1.120	I	0	6.44
24.91_	0.00	0.46	1.11_	I	0	6.43
25.000	0.00	0.46	1.114	I	0	6.42
25.083	0.00	0.46	1.111	I	0	6.40
25.16_	0.00	0.45	1.10_	I	0	6.39
25.250	0.00	0.45	1.104	I	0	6.38
25.333	0.00	0.45	1.101	I	0	6.3_
25.41_	0.00	0.44	1.098	I	0	6.35
25.500	0.00	0.44	1.095	I	0	6.34
25.583	0.00	0.44	1.092	I	0	6.33
25.66_	0.00	0.43	1.089	I	0	6.32
25._50	0.00	0.43	1.086	I	0	6.30
25.833	0.00	0.43	1.083	I	0	6.29
25.91_	0.00	0.43	1.080	I	0	6.28
26.000	0.00	0.42	1.0_	I	0	6.2_
26.083	0.00	0.42	1.0_4	I	0	6.26
26.16_	0.00	0.42	1.0_1	I	0	6.24
26.250	0.00	0.41	1.069	I	0	6.23
26.333	0.00	0.41	1.066	I	0	6.22
26.41_	0.00	0.41	1.063	I	0	6.21
26.500	0.00	0.40	1.060	I	0	6.20
26.583	0.00	0.40	1.05_	I	0	6.19
26.66_	0.00	0.40	1.055	I	0	6.18
26._50	0.00	0.39	1.052	I	0	6.1_
26.833	0.00	0.39	1.049	I	0	6.15
26.91_	0.00	0.39	1.04_	I	0	6.14
2_000	0.00	0.39	1.044	I	0	6.13
2_083	0.00	0.38	1.041	I	0	6.12
2_16_	0.00	0.38	1.039	I	0	6.11
2_250	0.00	0.38	1.036	I	0	6.10
2_333	0.00	0.3_	1.033	I	0	6.09
2_41_	0.00	0.3_	1.031	I	0	6.08
2_500	0.00	0.3_	1.028	I	0	6.0_
2_583	0.00	0.3_	1.026	I	0	6.06
2_66_	0.00	0.36	1.023	I	0	6.05
2_750	0.00	0.36	1.021	I	0	6.04
2_833	0.00	0.36	1.018	I	0	6.03
2_91_	0.00	0.36	1.016	I	0	6.02
28.000	0.00	0.35	1.013	I	0	6.01
28.083	0.00	0.35	1.011	I	0	6.00
28.16_	0.00	0.35	1.009	I	0	5.99
28.250	0.00	0.35	1.006	I	0	5.98
28.333	0.00	0.34	1.004	I	0	5.9_
28.41_	0.00	0.34	1.001	I	0	5.96
28.500	0.00	0.34	0.999	I	0	5.95
28.583	0.00	0.34	0.99_	I	0	5.94
28.66_	0.00	0.34	0.994	I	0	5.93
28._50	0.00	0.33	0.992	I	0	5.92
28.833	0.00	0.33	0.990	I	0	5.90
28.91_	0.00	0.33	0.988	I	0	5.89
29.000	0.00	0.33	0.985	I	0	5.88
29.083	0.00	0.33	0.983	I	0	5.8_
29.16_	0.00	0.32	0.981	I	0	5.86
29.250	0.00	0.32	0.9_9	I	0	5.85
29.333	0.00	0.32	0.9_6	I	0	5.84
29.41_	0.00	0.32	0.9_4	I	0	5.83
29.500	0.00	0.32	0.9_2	I	0	5.82
29.583	0.00	0.31	0.9_0	I	0	5.81
29.66_	0.00	0.31	0.968	I	0	5.81
29._50	0.00	0.31	0.966	I	0	5.80
29.833	0.00	0.31	0.963	I	0	5_9
29.91_	0.00	0.31	0.961	I	0	5_8
30.000	0.00	0.30	0.959	I	0	5_
30.083	0.00	0.30	0.95_	I	0	5_6
30.16_	0.00	0.30	0.955	I	0	5_5
30.250	0.00	0.30	0.953	I	0	5_4
30.333	0.00	0.30	0.951	I	0	5_3
30.41_	0.00	0.30	0.949	I	0	5_2
30.500	0.00	0.29	0.94_	I	0	5_1

North Basin 100yr24hr

Page 5 of 8

30.583	0.00	0.29	0.945	I O				5.0
30.66	0.00	0.29	0.943	I O				5.69
30.50	0.00	0.29	0.941	I O				5.68
30.833	0.00	0.29	0.939	I O				5.68
30.91	0.00	0.28	0.93	I O				5.6
31.000	0.00	0.28	0.935	I O				5.66
31.083	0.00	0.28	0.933	I O				5.65
31.16	0.00	0.28	0.931	I O				5.64
31.250	0.00	0.28	0.929	I O				5.63
31.333	0.00	0.28	0.92	I O				5.62
31.41	0.00	0.2	0.925	I O				5.61
31.500	0.00	0.2	0.924	I O				5.61
31.583	0.00	0.2	0.922	I O				5.60
31.66	0.00	0.2	0.920	I O				5.59
31.50	0.00	0.2	0.918	I O				5.58
31.833	0.00	0.2	0.916	I O				5.5
31.91	0.00	0.26	0.914	I O				5.56
32.000	0.00	0.26	0.912	I O				5.56
32.083	0.00	0.26	0.911	I O				5.55
32.16	0.00	0.26	0.909	I O				5.54
32.250	0.00	0.26	0.90	I O				5.53
32.333	0.00	0.26	0.905	I O				5.52
32.41	0.00	0.26	0.904	I O				5.52
32.500	0.00	0.25	0.902	I O				5.51
32.583	0.00	0.25	0.900	I O				5.50
32.66	0.00	0.25	0.898	I O				5.49
32.50	0.00	0.25	0.89	I O				5.48
32.833	0.00	0.25	0.895	I O				5.48
32.91	0.00	0.25	0.893	I O				5.4
33.000	0.00	0.24	0.891	I O				5.46
33.083	0.00	0.24	0.890	I O				5.45
33.16	0.00	0.24	0.888	I O				5.45
33.250	0.00	0.24	0.886	I O				5.44
33.333	0.00	0.24	0.885	I O				5.43
33.41	0.00	0.24	0.883	I O				5.42
33.500	0.00	0.24	0.882	I O				5.42
33.583	0.00	0.23	0.880	I O				5.41
33.66	0.00	0.23	0.88	I O				5.40
33.50	0.00	0.23	0.8	I O				5.40
33.833	0.00	0.23	0.85	I O				5.39
33.91	0.00	0.23	0.84	I O				5.38
34.000	0.00	0.23	0.82	I O				5.3
34.083	0.00	0.23	0.80	I O				5.3
34.16	0.00	0.22	0.869	IO				5.36
34.250	0.00	0.22	0.86	IO				5.35
34.333	0.00	0.22	0.866	IO				5.35
34.41	0.00	0.22	0.864	IO				5.34
34.500	0.00	0.22	0.863	IO				5.33
34.583	0.00	0.22	0.861	IO				5.33
34.66	0.00	0.22	0.860	IO				5.32
34.50	0.00	0.22	0.858	IO				5.31
34.833	0.00	0.21	0.85	IO				5.31
34.91	0.00	0.21	0.855	IO				5.30
35.000	0.00	0.21	0.854	IO				5.29
35.083	0.00	0.21	0.852	IO				5.29
35.16	0.00	0.21	0.851	IO				5.28
35.250	0.00	0.21	0.850	IO				5.2
35.333	0.00	0.21	0.848	IO				5.2
35.41	0.00	0.20	0.84	IO				5.26
35.500	0.00	0.20	0.845	IO				5.25
35.583	0.00	0.20	0.844	IO				5.25
35.66	0.00	0.20	0.843	IO				5.24
35.50	0.00	0.20	0.841	IO				5.23
35.833	0.00	0.20	0.840	IO				5.23
35.91	0.00	0.20	0.838	IO				5.22
36.000	0.00	0.20	0.83	IO				5.22
36.083	0.00	0.20	0.836	IO				5.21
36.16	0.00	0.19	0.834	IO				5.20
36.250	0.00	0.19	0.833	IO				5.20
36.333	0.00	0.19	0.832	IO				5.19
36.41	0.00	0.19	0.830	IO				5.19
36.500	0.00	0.19	0.829	IO				5.18
36.583	0.00	0.19	0.828	IO				5.1
36.66	0.00	0.19	0.826	IO				5.1
36.50	0.00	0.19	0.825	IO				5.16
36.833	0.00	0.18	0.824	IO				5.16
36.91	0.00	0.18	0.823	IO				5.15
3.000	0.00	0.18	0.821	IO				5.15
3.083	0.00	0.18	0.820	IO				5.14
3.16	0.00	0.18	0.819	IO				5.13
3.250	0.00	0.18	0.818	IO				5.13
3.333	0.00	0.18	0.816	IO				5.12
3.41	0.00	0.18	0.815	IO				5.12
3.500	0.00	0.18	0.814	IO				5.11
3.583	0.00	0.1	0.813	IO				5.11
3.66	0.00	0.1	0.812	IO				5.10
3.50	0.00	0.1	0.810	IO				5.10

North Basin 100yr24hr

Page 6 of 8

3_.833	0.00	0.1	0.809	IO					5.09
3_.91	0.00	0.1	0.808	IO					5.09
38.000	0.00	0.1	0.80	IO					5.08
38.083	0.00	0.1	0.806	IO					5.08
38.16	0.00	0.1	0.805	IO					5.0
38.250	0.00	0.1	0.803	IO					5.06
38.333	0.00	0.1	0.802	IO					5.06
38.41	0.00	0.16	0.801	IO					5.05
38.500	0.00	0.16	0.800	IO					5.05
38.583	0.00	0.16	0.99	IO					5.04
38.66	0.00	0.16	0.98	IO					5.04
38_.50	0.00	0.16	0.9	IO					5.03
38.833	0.00	0.16	0.95	IO					5.03
38.91	0.00	0.16	0.94	IO					5.02
39.000	0.00	0.16	0.93	IO					5.02
39.083	0.00	0.16	0.92	IO					5.01
39.16	0.00	0.16	0.91	IO					5.01
39.250	0.00	0.15	0.90	IO					5.00
39.333	0.00	0.15	0.89	IO					5.00
39.41	0.00	0.15	0.88	IO					4.99
39.500	0.00	0.15	0.8	IO					4.99
39.583	0.00	0.15	0.86	IO					4.98
39.66	0.00	0.15	0.85	IO					4.98
39_.50	0.00	0.15	0.84	IO					4.9
39.833	0.00	0.15	0.83	IO					4.9
39.91	0.00	0.15	0.82	IO					4.96
40.000	0.00	0.15	0.81	IO					4.96
40.083	0.00	0.15	0.80	IO					4.95
40.16	0.00	0.15	0.9	IO					4.95
40.250	0.00	0.15	0.8	IO					4.94
40.333	0.00	0.14	0.7	IO					4.94
40.41	0.00	0.14	0.6	IO					4.93
40.500	0.00	0.14	0.5	IO					4.93
40.583	0.00	0.14	0.4	IO					4.92
40.66	0.00	0.14	0.3	IO					4.92
40_.50	0.00	0.14	0.2	IO					4.91
40.833	0.00	0.14	0.1	IO					4.91
40.91	0.00	0.14	0.0	IO					4.90
41.000	0.00	0.14	0.69	IO					4.90
41.083	0.00	0.14	0.68	IO					4.89
41.16	0.00	0.14	0.6	IO					4.89
41.250	0.00	0.14	0.66	IO					4.89
41.333	0.00	0.14	0.65	IO					4.88
41.41	0.00	0.14	0.64	IO					4.88
41.500	0.00	0.13	0.63	IO					4.8
41.583	0.00	0.13	0.62	IO					4.8
41.66	0.00	0.13	0.61	IO					4.86
41_.50	0.00	0.13	0.60	IO					4.86
41.833	0.00	0.13	0.60	IO					4.85
41.91	0.00	0.13	0.59	IO					4.85
42.000	0.00	0.13	0.58	IO					4.84
42.083	0.00	0.13	0.5	IO					4.84
42.16	0.00	0.13	0.56	IO					4.83
42.250	0.00	0.13	0.55	IO					4.83
42.333	0.00	0.13	0.54	IO					4.83
42.41	0.00	0.13	0.53	IO					4.82
42.500	0.00	0.13	0.52	IO					4.82
42.583	0.00	0.13	0.52	IO					4.81
42.66	0.00	0.13	0.51	IO					4.81
42_.50	0.00	0.12	0.50	IO					4.80
42.833	0.00	0.12	0.49	IO					4.80
42.91	0.00	0.12	0.48	IO					4.80
43.000	0.00	0.12	0.4	IO					4.9
43.083	0.00	0.12	0.46	IO					4.9
43.16	0.00	0.12	0.46	IO					4.8
43.250	0.00	0.12	0.45	IO					4.8
43.333	0.00	0.12	0.44	IO					4.8
43.41	0.00	0.12	0.43	IO					4.8
43.500	0.00	0.12	0.42	IO					4.8
43.583	0.00	0.12	0.41	IO					4.6
43.66	0.00	0.12	0.41	IO					4.6
43_.50	0.00	0.12	0.40	IO					4.5
43.833	0.00	0.12	0.39	IO					4.5
43.91	0.00	0.12	0.38	IO					4.5
44.000	0.00	0.12	0.3	IO					4.4
44.083	0.00	0.11	0.3	IO					4.4
44.16	0.00	0.11	0.36	IO					4.3
44.250	0.00	0.11	0.35	IO					4.3
44.333	0.00	0.11	0.34	IO					4.3
44.41	0.00	0.11	0.34	O					4.2
44.500	0.00	0.11	0.33	O					4.2
44.583	0.00	0.11	0.32	O					4.1
44.66	0.00	0.11	0.31	O					4.1
44_.50	0.00	0.11	0.30	O					4.1
44.833	0.00	0.11	0.30	O					4.0
44.91	0.00	0.11	0.29	O					4.0
45.000	0.00	0.11	0.28	O					4.0

North Basin 100yr24hr

Page 7 of 8

45.083	0.00	0.11	0._2_	o					4.69
45.16_	0.00	0.11	0._2_	o					4.69
45.250	0.00	0.11	0._26	o					4.68
45.333	0.00	0.11	0._25	o					4.68
45.41_	0.00	0.11	0._25	o					4.68
45.500	0.00	0.11	0._24	o					4.6_
45.583	0.00	0.10	0._23	o					4.6_
45.66_	0.00	0.10	0._22	o					4.6_
45._50	0.00	0.10	0._22	o					4.66
45.833	0.00	0.10	0._21	o					4.66
45.91_	0.00	0.10	0._20	o					4.66
46.000	0.00	0.10	0._20	o					4.65
46.083	0.00	0.10	0._19	o					4.65
46.16_	0.00	0.10	0._18	o					4.65
46.250	0.00	0.10	0._1_	o					4.64
46.333	0.00	0.10	0._1_	o					4.64

Remaining water in basin = 0._2 (Ac.Ft)

```

*****HYDROGRAPH DATA*****
      Number of intervals = 556
      Time interval = 5.0 (Min.)
      Maximum/Peak flow rate = 2.511 (CFS)
      Total volume = 1.244 (Ac.Ft)
      Status of hydrographs being held in storage
      Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
      Peak (CFS) 0.000 0.000 0.000 0.000 0.000
      Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000
*****
-----

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SOUTH

Storm Event	Existing		Proposed		Proposed		
	cfs	volume ac.ft.	cfs	volume ac.ft.	cfs	volume ac.ft.	Depth
2yr1hr	5.977	0.1157	8.970	0.2803	0.003	0.2800	2.92
2yr3hr	1.402	0.0798	4.498	0.4084	0.004	0.4080	3.69
2yr6hr	1.378	0.1115	4.548	0.6128	0.006	0.6110	4.74
2yr24hr	0.244	0.1480	1.510	0.9179	0.110	0.8380	5.70
5yr1hr	9.090	0.1823	12.688	0.3843	0.004	0.3840	3.55
5yr3hr	3.441	0.1504	6.658	0.5528	0.005	0.5520	4.45
5yr6hr	2.905	0.1720	6.169	0.7755	0.070	0.7710	5.43
5yr24hr	0.329	0.2001	2.041	1.2404	0.222	1.0840	6.60
10yr1hr	13.517	0.3430	16.350	0.4887	0.005	0.4880	4.14
10yr3hr	6.992	0.3184	9.183	0.6979	0.026	0.6970	5.13
10yr6hr	6.208	0.3463	8.351	0.9336	0.159	0.9230	6.04
10yr24hr	0.744	0.2529	2.443	1.4843	0.367	1.2710	7.21
100yr1hr	22.524	0.6803	26.002	0.8126	0.093	0.8100	5.59
100yr3hr	12.524	0.7068	15.014	1.1327	0.236	1.1200	6.72
100yr6hr	10.583	0.7142	12.965	1.4146	0.522	1.3780	7.53
100yr24hr	2.895	0.7207	4.277	2.3232	2.965	1.5190	7.89

Basin Size and Flow Calculations

SOUTH

100YR24HR= 1.6025
10y/24hr= 1.2314

Basin Elevation		Depth		BASIN PARAMETERS					OUTLET									
				Area S.F.	Volume C.F.	Volume AC-FT	Effective Volume AC-FT	Q ₁ Orifice Plate (cfs)	Q ₂ Orifice Plate (cfs)	Q ₃ Orifice Plate (cfs)	Q ₄ Orifice Plate (cfs)	Q ₅ Orifice Plate (cfs)	Q ₆ Orifice Plate (cfs)	Q ₇ Orifice Plate (cfs)	Q Weir 1 (cfs)	Q Total (cfs)		
1577.00		0.00		2,428.00	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
1578.00		1.00		3,036.00	2,732.00	0.063	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
1579.00		2.00		3,036.00	5,464.00	0.125	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
1580.00		3.00		6,072.00	12,750.00	0.293	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
1581.00		4.00		7,566.00	19,988.00	0.459	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
1582.00		5.00		9,140.00	28,920.00	0.664	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
1583.00		6.00		10,794.00	39,666.00	0.911	0.247	0.154	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.154		
1584.00		7.00		12,529.00	52,349.50	1.202	0.538	0.268	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.268		
1584.85		7.85		14,071.00	64,758.57	1.487	0.823	0.335	0.343	0.000	0.000	0.000	0.000	0.000	0.000	0.678		
1585.20		8.20		16,657.00	78,248.50	1.796	1.132	0.359	0.438	0.000	0.000	0.000	0.000	0.000	22.065	22.862		
SUPPORTING DESIGN PARAMETERS																		
Orifice Coefficient		0.66		Dia of Orifice		2.75		4.00									0.00	
Gravimetric Constant		32.2 ft/s^2		Eff Dia of Orifice		0.2292		0.3333		0.0000		0.0000		0.0000		0.0000		
Number of Rows		1		Area of Orifice		0.0412		0.0873		0.0000		0.0000		0.0000		0.0000		
Minimum Orifice Plate Height				Number of Orifices		1		1		1		1		1		1		
Minimum Orifice Plate Width				Centroid Elev		1582.5		1584.3									0	

Orifice Equation
 $Q=Cd(1/4\pi D^2)^{1/2}gh$
Weir Equation
 $Q(Weir Length * Weir Coefficient)^{2/3}$

Q100 Elevation Weir Calc	
2 - 4' X 4' Box Inlet Weir Calc	
Crest Wier Elev.	1584.85
Q100	20.28 cfs
Weir Length	32
Weir Coeff.	3.33
H Weir	0.330863728
Q100 Elevation	1585.18

Q100 Elevation Weir Calc	
Basin Emergency Spillway Weir Calc	
Crest Wier Elev.	1584.20
Q100	20.28 cfs
Weir Length	40
Weir Coeff.	3.33
H Weir	0.285129718
Q100 Elevation	1584.49

Program License Serial Number 5006

***** HYDROGRAPH INFORMATION *****

From study/file name: pro1212.rte

*****HYDROGRAPH DATA*****

Number of intervals = 15
 Time interval = 5.0 (Min.)
 Maximum/Peak flow rate = 8.970 (CFS)
 Total volume = 0.280 (Ac.Ft)
 Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

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Process from Point/Station 1.000 to Point/Station 2.000

*** RETARDING BASIN ROUTING ***

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 15
 Hydrograph time unit = 5.000 (Min.)
 Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
 Initial basin storage = 0.00 (Ac.Ft)
 Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-o*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.063	0.001	0.063	0.063
2.000	0.125	0.002	0.125	0.125
3.000	0.293	0.003	0.293	0.293
4.000	0.459	0.005	0.459	0.459
5.000	0.664	0.006	0.664	0.664
6.000	0.911	0.154	0.910	0.912
7.000	1.202	0.268	1.201	1.203
7.850	1.487	0.678	1.485	1.489
8.200	1.796	22.862	1.717	1.875

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'o'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	2.2	4.49	6.73	8.97	Depth (Ft.)
0.083	0.72	0.00	0.002	o	I				0.04
0.167	1.39	0.00	0.010	o	I				0.15
0.250	1.65	0.00	0.020	o	I				0.32
0.333	1.82	0.00	0.032	o	I				0.51
0.417	1.98	0.00	0.045	o	I				0.72
0.500	2.23	0.00	0.060	o	I				0.95
0.583	2.52	0.00	0.076	o	I				1.21
0.667	2.90	0.00	0.095	o	I				1.51
0.750	3.76	0.00	0.118	o	I				1.88
0.833	8.97	0.00	0.162	o	I				2.22
0.917	7.74	0.00	0.219	o		I			2.56
1.000	3.25	0.00	0.257	o	I		I		2.78
1.083	1.48	0.00	0.273	o	I				2.88
1.167	0.24	0.00	0.279	o					2.92
1.250	0.06	0.00	0.280	o					2.92
1.333	0.00	0.00	0.280	o					2.92

Remaining water in basin = 0.28 (Ac.Ft)

South Basin 2yr1hr

Page 1 of 2

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*****HYDROGRAPH DATA*****
      Number of intervals =    16
      Time interval =      5.0 (Min.)
      Maximum/Peak flow rate =      0.003 (CFS)
      Total volume =      0.000 (Ac.Ft)
      Status of hydrographs being held in storage
      Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
      Peak (CFS) 0.000 0.000 0.000 0.000 0.000
      Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000
*****

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Program License Serial Number 5006

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***** From study/file name: prol232.rte *****
***** HYDROGRAPH DATA *****
Number of intervals = 39
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 4.498 (CFS)
Total volume = 0.408 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000
*****

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User entry of depth-outflow-storage data

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Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)
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0.000	0.000	0.000	0.000	0.000
1.000	0.063	0.001	0.063	0.063
2.000	0.125	0.002	0.125	0.125
3.000	0.293	0.003	0.293	0.293
4.000	0.459	0.005	0.459	0.459
5.000	0.664	0.006	0.664	0.664
6.000	0.911	0.154	0.910	0.912
-1.000	1.202	0.268	1.201	1.203
-1.850	1.48	0.6.8	1.485	1.489
8.200	1.96	22.862	1.1	1.8.5

Hydrograph Detention +asin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.-Ft.)	0	1.1	2.25	3.3	4.50	Depth (Ft.)
0.083	0.36	0.00	0.001	0	I				0.02
0.16	0.68	0.00	0.005	0	I				0.08
0.230	0.69	0.00	0.010	I	I				0.15
0.333	0.8	0.00	0.015	0	I				0.23
0.41	0.8	0.00	0.020	0	I				0.32
0.500	0.96	0.00	0.026	0	I				0.42
0.583	0.96	0.00	0.033	0	I				0.53
0.66	0.99	0.00	0.040	0	I				0.63
0.750	1.05	0.00	0.04	0	I				0.74
0.833	0.98	0.00	0.054	0	I				0.85
0.91	0.94	0.00	0.060	0	I				0.96
1.000	1.00	0.00	0.06	0	I				1.0
1.083	1.16	0.00	0.05	0	I				1.19
1.16	1.2	0.00	0.083	0	I				1.32
1.250	1.30	0.00	0.092	0	I				1.46
1.333	1.25	0.00	0.100	0	I				1.60
1.41	1.36	0.00	0.109	0	I				1.5
1.500	1.53	0.00	0.119	0	I				1.91

1.583	1.50	0.00	0.130	O	I				2.03
1.66	1.52	0.00	0.140	O	I				2.09
1.50	1.5	0.00	0.151	O		I			2.16
1.833	1.85	0.00	0.164	O		I			2.23
1.91	1.8	0.00	0.16	O		I			2.31
2.000	1.6	0.00	0.189	O		I			2.38
2.083	1.80	0.00	0.201	O		I			2.45
2.16	2.13	0.00	0.214	O		I			2.53
2.250	2.63	0.00	0.231	O			I		2.63
2.333	2.4	0.00	0.248	O			I		2.63
2.41	3.0	0.00	0.26	O				I	2.85
2.500	3.9	0.00	0.291	O				I	2.99
2.583	4.50	0.00	0.321	O				I	3.1
2.66	4.18	0.00	0.350	O				I	3.35
2.50	2.5	0.00	0.34	O			I		3.49
2.833	1.44	0.00	0.38	O	I				3.5
2.91	1.16	0.00	0.396	O	I				3.62
3.000	0.4	0.00	0.403	O	I				3.66
3.083	0.2	0.00	0.406	O					3.68
3.16	0.0	0.00	0.408	O					3.69
3.250	0.01	0.00	0.408	O					3.69
3.333	0.00	0.00	0.408	O					3.69

Remaining water in basin = 0.41 (Ac.Ft)

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*****HYDROGRAPH DATA*****
      Number of intervals = 40
      Time interval = 5.0 (Min.)
      Maximum/Peak flow rate = 0.004 (CFS)
      Total volume = 0.001 (Ac.Ft)
      Status of hydrographs being held in storage
      Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
      Peak (CFS) 0.000 0.000 0.000 0.000 0.000
      Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000
*****

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Program License Serial Number 5006

***** HYDROGRAPH INFORMATION *****

From study/file name: pro1262.rte
 *****HYDROGRAPH DATA*****
 Number of intervals = x5
 Time interval = 5.0 (Min.)
 Makimum/Peaw flo7 rate = 4.548 (CFS)
 Total volume = 0.613 (Ac.Ft)
 Status of hydrographs being held in storage
 Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
 Peaw (CFS) 0.000 0.000 0.000 0.000 0.000
 Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

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 Process from Point/Station 1.000 to Point/Station 2.000
 **** RETARDING BASIN ROUTING ****

 User entry of depth-outflo7-storage data

 Total number of inflo7 hydrograph intervals = x5
 Hydrograph time unit = 5.000 (Min.)
 Initial depth in storage basin = 0.00(Ft.)

 Initial basin depth = 0.00 (Ft.)
 Initial basin storage = 0.00 (Ac.Ft)
 Initial basin outflo7 = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	outflo7 (CFS)	(S-o*dt/2) (Ac.Ft)	(S+o*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.063	0.001	0.063	0.063
2.000	0.125	0.002	0.125	0.125
3.000	0.293	0.003	0.293	0.293
4.000	0.459	0.005	0.459	0.459
5.000	0.664	0.006	0.664	0.664
6.000	0.911	0.015	0.910	0.912
x.000	1.202	0.268	1.201	1.203
x.850	1.48x	0.6x8	1.485	1.489
8.200	1.x96	22.862	1.x1x	1.8x5

 Hydrograph Detention Basin Routing

 Graph values: 'I'= unit inflo7; 'O'=outflo7 at time sho7n

Time (Hours)	Inflo7 (CFS)	outflo7 (CFS)	Storage (Ac.Ft)	.0	1.1	2.2x	3.41	4.55	Depth (Ft.)
0.083	0.21	0.00	0.001	O I					0.01
0.16x	0.43	0.00	0.003	O I					0.05
0.250	0.51	0.00	0.006	O I					0.10
0.333	0.53	0.00	0.010	O I					0.15
0.41x	0.53	0.00	0.013	O I					0.21
0.500	0.5x	0.00	0.01x	O I					0.2x
0.583	0.61	0.00	0.021	O I					0.34
0.66x	0.62	0.00	0.026	O I					0.41
0.x50	0.62	0.00	0.030	O I					0.4x
0.833	0.62	0.00	0.034	O I					0.54
0.91x	0.62	0.00	0.038	O I					0.61
1.000	0.66	0.00	0.043	O I					0.68
1.083	0.x0	0.00	0.04x	O I					0.x5
1.16x	0.x1	0.00	0.052	O I					0.83
1.250	0.x1	0.00	0.05x	O I					0.91
1.333	0.x1	0.00	0.062	O I					0.99
1.41x	0.x1	0.00	0.06x	O I					1.06
1.500	0.x1	0.00	0.0x2	O I					1.14

South Basin 2yr6hr

Page 1 of 2

1.583	0.x1	0.00	0.0xx	0	I						1.22
1.66x	0.x1	0.00	0.082	0	I						1.30
1.x50	0.x1	0.00	0.08x	0	I						1.38
1.833	0.x1	0.00	0.091	0	I						1.46
1.91x	0.x1	0.00	0.096	0	I						1.54
2.000	0.x5	0.00	0.101	0	I						1.62
2.083	0.x5	0.00	0.106	0	I						1.x0
2.16x	0.x6	0.00	0.112	0	I						1.x8
2.250	0.x9	0.00	0.11x	0	I						1.8x
2.333	0.80	0.00	0.122	0	I						1.96
2.41x	0.80	0.00	0.128	0	I						2.02
2.500	0.80	0.00	0.133	0	I						2.05
2.583	0.80	0.00	0.139	0	I						2.08
2.66x	0.80	0.00	0.144	0	I						2.12
2.x50	0.84	0.00	0.150	0	I						2.15
2.833	0.88	0.00	0.156	0	I						2.18
2.91x	0.89	0.00	0.162	0	I						2.22
3.000	0.89	0.00	0.168	0	I						2.26
3.083	0.89	0.00	0.1x4	0	I						2.29
3.16x	0.93	0.00	0.180	0	I						2.33
3.250	0.9x	0.00	0.18x	0	I						2.3x
3.333	0.9x	0.00	0.194	0	I						2.41
3.41x	1.02	0.00	0.200	0	I						2.45
3.500	1.10	0.00	0.208	0	I						2.49
3.583	1.18	0.00	0.216	0	I						2.54
3.66x	1.23	0.00	0.224	0	I						2.59
3.x50	1.28	0.00	0.232	0	I						2.64
3.833	1.32	0.00	0.241	0	I						2.69
3.91x	1.3x	0.00	0.251	0	I						2.x5
4.000	1.41	0.00	0.260	0	I						2.81
4.083	1.46	0.00	0.2x0	0	I						2.86
4.16x	1.54	0.00	0.280	0	I						2.93
4.250	1.63	0.00	0.291	0	I						2.99
4.333	1.x2	0.00	0.303	0	I						3.06
4.41x	1.80	0.00	0.315	0	I						3.13
4.500	1.85	0.00	0.32x	0	I						3.21
4.583	1.90	0.00	0.340	0	I						3.29
4.66x	1.99	0.00	0.354	0	I						3.3x
4.x50	2.0x	0.00	0.368	0	I						3.45
4.833	2.12	0.00	0.382	0	I						3.54
4.91x	2.1x	0.00	0.39x	0	I						3.63
5.000	2.25	0.00	0.412	0	I						3.x2
5.083	2.50	0.00	0.428	0	I						3.82
5.16x	2.91	0.00	0.44x	0			I				3.93
5.250	3.26	0.01	0.468	0			I				4.04
5.333	3.54	0.01	0.492	0			I				4.16
5.41x	3.90	0.01	0.51x	0			I				4.28
5.500	4.55	0.01	0.546	0			I				4.43
5.583	3.40	0.01	0.5x4	0			I				4.56
5.66x	1.64	0.01	0.591	0			I				4.64
5.x50	0.90	0.01	0.600	0	I		I				4.69
5.833	0.55	0.01	0.604	0	I		I				4.x1
5.91x	0.38	0.01	0.608	0	I		I				4.x3
6.000	0.25	0.01	0.610	0	I		I				4.x4
6.083	0.11	0.01	0.611	0			I				4.x4
6.16x	0.02	0.01	0.611	0			I				4.x4
6.250	0.01	0.01	0.611	0			I				4.x4
6.333	0.00	0.01	0.611	0			I				4.x4

Remaining Water in basin = 0.61 (Ac.Ft)

```

*****HYDROGRAPH DATA*****
Number of intervals = x6
Time interval = 5.0 (Min.)
Maximum/Peaw flow rate = 0.006 (CFS)
Total volume = 0.001 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peaw (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000
*****

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Program License Serial Number 5006

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*****
***** From study/file name: prol2242.rte *****
***** HYDROGRAPH DATA *****
*****
Number of intervals = 291
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 1.510 (CFS)
Total volume = 0.918 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000
*****

```

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 291
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

```
Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)
```

Depth vs. Storage and +asin Depth		Depth vs. Discharge data:		
Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-0*dt/2) (Ac.Ft)	(S70*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.063	0.001	0.063	0.063
2.000	0.125	0.002	0.125	0.125
3.000	0.293	0.003	0.293	0.293
4.000	0.459	0.005	0.459	0.459
5.000	0.664	0.006	0.664	0.664
6.000	0.911	0.015	0.910	0.912
- .000	1.202	0.268	1.201	1.203
- .850	1.48	0.6.8	1.485	1.489
8.200	1.96	22.862	1.1	1.8.5

Hydrograph Detention +asin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.-Ft.)	0	0.4	0.6	1.13	1.51	Depth (Ft.)
0.083	0.04	0.00	0.000	0					0.00
0.16	0.08	0.00	0.001	0 I					0.01
0.250	0.09	0.00	0.001	0 I					0.02
0.333	0.11	0.00	0.002	0 I					0.03
0.41	0.13	0.00	0.003	0 I					0.04
0.500	0.13	0.00	0.004	0 I					0.06
0.583	0.13	0.00	0.004	0 I					0.0
0.66	0.13	0.00	0.005	0 I					0.08
0.750	0.13	0.00	0.006	0 I					0.10
0.833	0.15	0.00	0.00	0 I					0.11
0.91	0.1	0.00	0.008	0 I					0.13
1.000	0.18	0.00	0.010	0 I					0.15
1.083	0.16	0.00	0.011	0 I					0.1
1.16	0.14	0.00	0.012	0 I					0.19
1.250	0.13	0.00	0.013	0 I					0.20
1.333	0.13	0.00	0.014	0 I					0.22
1.41	0.13	0.00	0.015	0 I					0.23
1.500	0.13	0.00	0.015	0 I					0.24

1.583	0.13	0.00	0.016	0	I					0.26
1.66	0.13	0.00	0.01	0	I					0.2
1.50	0.13	0.00	0.018	0	I					0.29
1.833	0.15	0.00	0.019	0	I					0.30
1.91	0.1	0.00	0.020	0	I					0.32
2.000	0.18	0.00	0.021	0	I					0.34
2.083	0.18	0.00	0.023	0	I					0.36
2.16	0.18	0.00	0.024	0	I					0.38
2.250	0.18	0.00	0.025	0	I					0.40
2.333	0.18	0.00	0.026	0	I					0.42
2.41	0.18	0.00	0.028	0	I					0.44
2.500	0.18	0.00	0.029	0	I					0.46
2.583	0.20	0.00	0.030	0	I					0.48
2.66	0.22	0.00	0.032	0	I					0.50
2.50	0.22	0.00	0.033	0	I					0.52
2.833	0.22	0.00	0.035	0	I					0.55
2.91	0.22	0.00	0.036	0	I					0.5
3.000	0.22	0.00	0.038	0	I					0.60
3.083	0.22	0.00	0.039	0	I					0.62
3.16	0.22	0.00	0.041	0	I					0.65
3.250	0.22	0.00	0.042	0	I					0.6
3.333	0.22	0.00	0.044	0	I					0.69
3.41	0.22	0.00	0.045	0	I					0.2
3.500	0.22	0.00	0.04	0	I					0.4
3.583	0.22	0.00	0.048	0	I					0.0
3.66	0.22	0.00	0.050	0	I					0.9
3.50	0.22	0.00	0.051	0	I					0.81
3.833	0.24	0.00	0.053	0	I					0.84
3.91	0.26	0.00	0.055	0	I					0.8
4.000	0.2	0.00	0.056	0	I					0.90
4.083	0.2	0.00	0.058	0	I					0.92
4.16	0.2	0.00	0.060	0	I					0.95
4.250	0.2	0.00	0.062	0	I					0.98
4.333	0.29	0.00	0.064	0	I					1.01
4.41	0.31	0.00	0.066	0	I					1.05
4.500	0.31	0.00	0.068	0	I					1.08
4.583	0.31	0.00	0.0	0	I					1.11
4.66	0.31	0.00	0.02	0	I					1.15
4.50	0.31	0.00	0.04	0	I					1.18
4.833	0.33	0.00	0.0	0	I					1.22
4.91	0.35	0.00	0.09	0	I					1.26
5.000	0.35	0.00	0.081	0	I					1.30
5.083	0.31	0.00	0.084	0	I					1.33
5.16	0.28	0.00	0.086	0	I					1.3
5.250	0.2	0.00	0.088	0	I					1.40
5.333	0.29	0.00	0.089	0	I					1.43
5.41	0.31	0.00	0.091	0	I					1.46
5.500	0.31	0.00	0.094	0	I					1.49
5.583	0.33	0.00	0.096	0	I					1.53
5.66	0.35	0.00	0.098	0	I					1.5
5.50	0.35	0.00	0.101	0	I					1.61
5.833	0.36	0.00	0.103	0	I					1.64
5.91	0.36	0.00	0.105	0	I					1.68
6.000	0.36	0.00	0.108	0	I					1.2
6.083	0.38	0.00	0.110	0	I					1.6
6.16	0.39	0.00	0.113	0	I					1.81
6.250	0.40	0.00	0.116	0	I					1.85
6.333	0.40	0.00	0.118	0	I					1.89
6.41	0.40	0.00	0.121	0	I					1.94
6.500	0.40	0.00	0.124	0	I					1.98
6.583	0.42	0.00	0.12	0	I					2.01
6.66	0.44	0.00	0.130	0	I					2.03
6.50	0.44	0.00	0.133	0	I					2.05
6.833	0.44	0.00	0.136	0	I					2.06
6.91	0.44	0.00	0.139	0	I					2.08
7.000	0.44	0.00	0.142	0	I					2.10
7.083	0.44	0.00	0.145	0	I					2.12
7.16	0.44	0.00	0.148	0	I					2.14
7.250	0.44	0.00	0.151	0	I					2.15
7.333	0.46	0.00	0.154	0	I					2.1
7.41	0.48	0.00	0.15	0	I					2.19
7.500	0.49	0.00	0.161	0	I					2.21
7.583	0.51	0.00	0.164	0	I					2.23
7.66	0.53	0.00	0.168	0	I					2.25
7.50	0.53	0.00	0.11	0	I					2.28
7.833	0.55	0.00	0.15	0	I					2.30
7.91	0.5	0.00	0.19	0	I					2.32
8.000	0.58	0.00	0.183	0	I					2.34
8.083	0.62	0.00	0.18	0	I					2.3
8.16	0.66	0.00	0.191	0	I					2.39
8.250	0.66	0.00	0.196	0	I					2.42
8.333	0.6	0.00	0.200	0	I					2.45
8.41	0.6	0.00	0.205	0	I					2.48
8.500	0.6	0.00	0.209	0	I					2.50
8.583	0.69	0.00	0.214	0	I					2.53
8.66	0.1	0.00	0.219	0	I					2.56
8.50	0.1	0.00	0.224	0	I					2.59

South Basin 2yr24hr

Page 2 of 5

8.833	0.3	0.00	0.229	0	I				2.62
8.91	0.5	0.00	0.234	0	I				2.65
9.000	0.5	0.00	0.239	0	I				2.68
9.083	0.80	0.00	0.244	0	I				2.71
9.16	0.83	0.00	0.250	0	I				2.74
9.250	0.84	0.00	0.256	0	I				2.78
9.333	0.86	0.00	0.261	0	I				2.81
9.41	0.88	0.00	0.26	0	I				2.85
9.500	0.89	0.00	0.24	0	I				2.88
9.583	0.91	0.00	0.280	0	I				2.92
9.66	0.93	0.00	0.286	0	I				2.96
9.50	0.93	0.00	0.292	0	I				3.00
9.833	0.95	0.00	0.299	0	I				3.04
9.91	0.9	0.00	0.305	0	I				3.08
10.000	0.98	0.00	0.312	0	I				3.12
10.083	0.83	0.00	0.318	0	I				3.15
10.16	0.0	0.00	0.324	0	I				3.18
10.250	0.68	0.00	0.328	0	I				3.21
10.333	0.6	0.00	0.333	0	I				3.24
10.41	0.6	0.00	0.338	0	I				3.27
10.500	0.6	0.00	0.342	0	I				3.30
10.583	0.	0.00	0.34	0	I				3.33
10.66	0.86	0.00	0.353	0	I				3.36
10.50	0.88	0.00	0.359	0	I				3.40
10.833	0.89	0.00	0.365	0	I				3.43
10.91	0.89	0.00	0.31	0	I				3.47
11.000	0.89	0.00	0.3	0	I				3.50
11.083	0.8	0.00	0.383	0	I				3.54
11.16	0.85	0.00	0.389	0	I				3.58
11.250	0.85	0.00	0.395	0	I				3.61
11.333	0.84	0.00	0.400	0	I				3.65
11.41	0.84	0.00	0.406	0	I				3.68
11.500	0.84	0.00	0.412	0	I				3.72
11.583	0.80	0.00	0.418	0	I				3.75
11.66	0.	0.00	0.423	0	I				3.78
11.50	0.6	0.00	0.428	0	I				3.81
11.833	0.8	0.00	0.433	0	I				3.85
11.91	0.9	0.00	0.439	0	I				3.88
12.000	0.80	0.00	0.444	0	I				3.91
12.083	0.94	0.00	0.450	0	I				3.95
12.16	1.0	0.00	0.45	0	I				3.99
12.250	1.10	0.01	0.465	0	I				4.03
12.333	1.13	0.01	0.42	0	I				4.06
12.41	1.15	0.01	0.480	0	I				4.10
12.500	1.15	0.01	0.488	0	I				4.14
12.583	1.20	0.01	0.496	0	I				4.18
12.66	1.23	0.01	0.504	0	I				4.22
12.50	1.24	0.01	0.513	0	I				4.26
12.833	1.26	0.01	0.521	0	I				4.30
12.91	1.28	0.01	0.530	0	I				4.35
13.000	1.29	0.01	0.539	0	I				4.39
13.083	1.39	0.01	0.548	0	I				4.43
13.16	1.48	0.01	0.558	0	I				4.48
13.250	1.50	0.01	0.568	0	I				4.53
13.333	1.51	0.01	0.59	0	I				4.58
13.41	1.51	0.01	0.589	0	I				4.63
13.500	1.51	0.01	0.599	0	I				4.68
13.583	1.28	0.01	0.609	0	I				4.73
13.66	1.08	0.01	0.61	0	I				4.77
13.50	1.04	0.01	0.624	0	I				4.81
13.833	1.02	0.01	0.631	0	I				4.84
13.91	1.02	0.01	0.638	0	I				4.87
14.000	1.02	0.01	0.645	0	I				4.91
14.083	1.10	0.01	0.653	0	I				4.94
14.16	1.18	0.01	0.660	0	I				4.98
14.250	1.19	0.01	0.668	0	I				5.02
14.333	1.18	0.01	0.6	0	I				5.05
14.41	1.16	0.02	0.685	0	I				5.08
14.500	1.16	0.02	0.692	0	I				5.11
14.583	1.16	0.03	0.00	0	I				5.15
14.66	1.16	0.03	0.08	0	I				5.18
14.50	1.16	0.04	0.16	0	I				5.21
14.833	1.13	0.04	0.23	0	I				5.24
14.91	1.12	0.05	0.31	0	I				5.27
15.000	1.11	0.05	0.38	0	I				5.30
15.083	1.09	0.05	0.45	0	I				5.33
15.16	1.0	0.06	0.52	0	I				5.36
15.250	1.0	0.06	0.59	0	I				5.39
15.333	1.05	0.0	0.66	0	I				5.41
15.41	1.03	0.0	0.3	0	I				5.44
15.500	1.02	0.08	0.9	0	I				5.47
15.583	0.94	0.08	0.86	0	I				5.49
15.66	0.86	0.08	0.91	0	I				5.51
15.50	0.85	0.09	0.96	0	I				5.54
15.833	0.84	0.09	0.802	0	I				5.56
15.91	0.84	0.09	0.80	0	I				5.58
16.000	0.84	0.09	0.812	0	I				5.60

South Basin 2yr24hr

Page 3 of 5

16.083	0.54	0.10	0.816	O	I	5.62
16.16	0.25	0.10	0.818	O	I	5.62
16.250	0.20	0.10	0.819	O	I	5.63
16.333	0.18	0.10	0.820	OI		5.63
16.41	0.18	0.10	0.820	OI		5.63
16.500	0.18	0.10	0.821	OI		5.63
16.583	0.16	0.10	0.821	OI		5.64
16.66	0.14	0.10	0.822	O		5.64
16.50	0.13	0.10	0.822	O		5.64
16.833	0.13	0.10	0.822	O		5.64
16.91	0.13	0.10	0.822	O		5.64
1.000	0.13	0.10	0.823	O		5.64
1.083	0.1	0.10	0.823	OI		5.64
1.16	0.21	0.10	0.824	O	I	5.65
1.250	0.22	0.10	0.824	O	I	5.65
1.333	0.22	0.10	0.825	O	I	5.65
1.41	0.22	0.10	0.826	O	I	5.66
1.500	0.22	0.10	0.82	O	I	5.66
1.583	0.22	0.10	0.828	O	I	5.66
1.66	0.22	0.10	0.828	O	I	5.6
1.50	0.22	0.10	0.829	O	I	5.6
1.833	0.20	0.11	0.830	O	I	5.6
1.91	0.18	0.11	0.831	OI		5.6
18.000	0.18	0.11	0.831	OI		5.68
18.083	0.18	0.11	0.832	OI		5.68
18.16	0.18	0.11	0.832	OI		5.68
18.250	0.18	0.11	0.833	OI		5.68
18.333	0.18	0.11	0.833	OI		5.68
18.41	0.18	0.11	0.833	OI		5.69
18.500	0.18	0.11	0.834	OI		5.69
18.583	0.16	0.11	0.834	OI		5.69
18.66	0.14	0.11	0.835	O		5.69
18.50	0.13	0.11	0.835	O		5.69
18.833	0.11	0.11	0.835	O		5.69
18.91	0.09	0.11	0.835	IO		5.69
19.000	0.09	0.11	0.835	IO		5.69
19.083	0.11	0.11	0.835	O		5.69
19.16	0.13	0.11	0.835	O		5.69
19.250	0.13	0.11	0.835	O		5.69
19.333	0.15	0.11	0.835	OI		5.69
19.41	0.1	0.11	0.836	OI		5.69
19.500	0.18	0.11	0.836	OI		5.0
19.583	0.16	0.11	0.836	OI		5.0
19.66	0.14	0.11	0.83	O		5.0
19.50	0.13	0.11	0.83	O		5.0
19.833	0.11	0.11	0.83	O		5.0
19.91	0.09	0.11	0.83	IO		5.0
20.000	0.09	0.11	0.83	IO		5.0
20.083	0.11	0.11	0.83	O		5.0
20.16	0.13	0.11	0.83	O		5.0
20.250	0.13	0.11	0.83	O		5.0
20.333	0.13	0.11	0.83	O		5.0
20.41	0.13	0.11	0.83	O		5.0
20.500	0.13	0.11	0.83	O		5.0
20.583	0.13	0.11	0.838	O		5.0
20.66	0.13	0.11	0.838	O		5.0
20.50	0.13	0.11	0.838	O		5.0
20.833	0.11	0.11	0.838	O		5.0
20.91	0.09	0.11	0.838	IO		5.0
21.000	0.09	0.11	0.838	IO		5.0
21.083	0.11	0.11	0.838	O		5.0
21.16	0.13	0.11	0.838	O		5.0
21.250	0.13	0.11	0.838	O		5.0
21.333	0.11	0.11	0.838	O		5.0
21.41	0.09	0.11	0.838	IO		5.0
21.500	0.09	0.11	0.838	IO		5.0
21.583	0.11	0.11	0.838	O		5.0
21.66	0.13	0.11	0.838	O		5.0
21.50	0.13	0.11	0.838	O		5.0
21.833	0.11	0.11	0.838	O		5.0
21.91	0.09	0.11	0.838	IO		5.0
22.000	0.09	0.11	0.838	IO		5.0
22.083	0.11	0.11	0.838	O		5.0
22.16	0.13	0.11	0.838	O		5.0
22.250	0.13	0.11	0.838	O		5.0
22.333	0.11	0.11	0.838	O		5.0
22.41	0.09	0.11	0.838	IO		5.0
22.500	0.09	0.11	0.838	IO		5.0
22.583	0.09	0.11	0.838	IO		5.0
22.66	0.09	0.11	0.838	IO		5.0
22.50	0.09	0.11	0.83	IO		5.0
22.833	0.09	0.11	0.83	IO		5.0
22.91	0.09	0.11	0.83	IO		5.0
23.000	0.09	0.11	0.83	IO		5.0
23.083	0.09	0.11	0.83	IO		5.0
23.16	0.09	0.11	0.83	IO		5.0
23.250	0.09	0.11	0.83	IO		5.0

South Basin 2yr24hr

Page 4 of 5

23.333	0.09	0.11	0.836	IO					5.0
23.41	0.09	0.11	0.836	IO					5.0
23.500	0.09	0.11	0.836	IO					5.0
23.583	0.09	0.11	0.836	IO					5.0
23.66	0.09	0.11	0.836	IO					5.0
23.750	0.09	0.11	0.836	IO					5.0
23.833	0.09	0.11	0.836	IO					5.69
23.91	0.09	0.11	0.836	IO					5.69
24.000	0.09	0.11	0.835	IO					5.69
24.083	0.05	0.11	0.835	IO					5.69
24.16	0.01	0.11	0.835	IO					5.69
24.250	0.00	0.11	0.834	IO					5.69
24.333	0.00	0.11	0.833	IO					5.68
24.41	0.00	0.11	0.832	IO					5.68
24.500	0.00	0.11	0.832	IO					5.68
24.583	0.00	0.11	0.831	IO					5.68
24.66	0.00	0.11	0.830	IO					5.6
24.750	0.00	0.11	0.829	IO					5.6
24.833	0.00	0.10	0.829	IO					5.6
24.91	0.00	0.10	0.828	IO					5.66
25.000	0.00	0.10	0.82	IO					5.66
25.083	0.00	0.10	0.82	IO					5.66
25.16	0.00	0.10	0.826	IO					5.66
25.250	0.00	0.10	0.825	IO					5.65
25.333	0.00	0.10	0.824	IO					5.65
25.41	0.00	0.10	0.824	IO					5.65
25.500	0.00	0.10	0.823	IO					5.64
25.583	0.00	0.10	0.822	IO					5.64
25.66	0.00	0.10	0.822	IO					5.64
25.750	0.00	0.10	0.821	IO					5.64
25.833	0.00	0.10	0.820	IO					5.63

Remaining water in basin = 0.82 (Ac.Ft)

```

*****HYDROGRAPH DATA*****
      Number of intervals = 310
      Time interval = 5.0 (Min.)
      Maximum/Peak flow rate = 0.110 (CFS)
      Total volume = 0.098 (Ac.Ft)
      Status of hydrographs being held in storage
      Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
      Peak (CFS) 0.000 0.000 0.000 0.000 0.000
      Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000
*****

```

Program License Serial Number 5006

```

***** From study/file name: pro1515.rte *****HYDROGRAPH DATA*****
Number of intervals =    15
Time interval =      5.0 (Min.)
Maximum/Peak flow rate =      12.688 (CFS)
Total volume =        0.384 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS)   0.000   0.000   0.000   0.000   0.000
Vol (Ac.Ft)  0.000   0.000   0.000   0.000   0.000
*****

```

[illegible]

Total number of inflow hydrograph intervals = 15
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

```
Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)
```

Depth vs. Storage	Depth vs. Discharge
+asin Depth	Storage
(Ft.)	(Ac.Ft)
	Outflow
	(CFS)
	(S-0*dt/2)
	(S70*dt/2)
	(Ac.Ft)

0.000	0.000	0.000	0.000	0.000
1.000	0.063	0.001	0.063	0.063
2.000	0.125	0.002	0.125	0.125
3.000	0.293	0.003	0.293	0.293
4.000	0.459	0.005	0.459	0.459
5.000	0.664	0.006	0.664	0.664
6.000	0.911	0.154	0.910	0.912
- .000	1.202	0.268	1.201	1.203
- .850	1.48	0.6.8	1.485	1.489
8.200	1.96	22.862	1.1	1.8.5

Hydrograph Detention +asin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	outflow (CFS)	Storage (Ac.Ft)						depth (Ft.)
0.083	0.96	0.00	0.003	0					0.05
0.16	1.85	0.00	0.013	0					0.21
0.250	2.20	0.00	0.02	0	I				0.43
0.333	2.42	0.00	0.043	0		I			0.68
0.41	2.63	0.00	0.060	0			I		0.95
0.500	2.9	0.00	0.09	0				I	1.26
0.583	3.35	0.00	0.101	0					1.61
0.66	3.85	0.00	0.126	0			I		2.01
0.750	5.35	0.00	0.158	0				I	2.19
0.833	12.69	0.00	0.220	0			I		2.56
0.91	10.4	0.00	0.300	0					3.04
1.000	4.42	0.00	0.352	0			I		3.36
1.083	2.00	0.00	0.35	0	I				3.49
1.16	0.31	0.00	0.382	0					3.54
1.250	0.08	0.00	0.384	0					3.55
1.333	0.00	0.00	0.384	0					3.55

Remaining water in basin = 0.38 (Ac.Ft)

*****HYDROGRAPH DATA*****
Number of intervals = 16
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 0.004 (CFS)
Total volume = 0.000 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

Program License Serial Number 5006

```

***** From study/file name: pro1535.rte *****
*****HYDROGRAPH DATA*****
Number of intervals =      39
Time interval =       5.0 (Min.)
Maximum/Peak flow rate =          6.658 (CFS)
Total volume =         0.553 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS)    0.000    0.000    0.000    0.000    0.000
Vol (Ac.Ft)   0.000    0.000    0.000    0.000    0.000
*****

```

User entry of depth-outflow-storage data

```
Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)
```

0.000	0.000	0.000	0.000	0.000
1.000	0.063	0.001	0.063	0.063
2.000	0.125	0.002	0.125	0.125
3.000	0.293	0.003	0.293	0.293
4.000	0.459	0.005	0.459	0.459
5.000	0.664	0.006	0.664	0.664
6.000	0.911	0.154	0.910	0.912
7.000	1.202	0.268	1.201	1.203
8.000	1.485	0.688	1.485	1.485
9.000	1.96	22.862	1.96	1.96

Hydrograph Detention +asin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	outflow (CFS)	Storage (Ac.Ft)	0	1	3.33	4.99	6.66	Depth (Ft.)
0.083	0.4	0.00	0.002	0	I				0.03
0.16	0.90	0.00	0.006	0	I				0.10
0.250	0.91	0.00	0.013	0	I				0.20
0.333	1.02	0.00	0.019	0	I				0.31
0.41	1.14	0.00	0.02	0	I				0.42
0.500	1.2	0.00	0.035	0	I				0.56
0.583	1.2	0.00	0.044	0	I				0.70
0.66	1.30	0.00	0.053	0	I				0.84
0.750	1.39	0.00	0.062	0	I				0.98
0.833	1.29	0.00	0.1	0	I				1.13
0.91	1.24	0.00	0.080	0	I				1.2
1.000	1.32	0.00	0.089	0	I				1.41
1.083	1.53	0.00	0.099	0	I				1.5
1.16	1.68	0.00	0.110	0	I				1.5
1.250	1.1	0.00	0.121	0	I				1.94
1.333	1.65	0.00	0.133	0	I				2.05
1.41	1.80	0.00	0.145	0	I				2.12
1.500	2.02	0.00	0.158	0	I				2.20

1.583	1.98	0.00	0.12	0	I					2.28
1.66	2.01	0.00	0.185	0	I					2.36
1.50	2.31	0.00	0.200	0		I				2.45
1.833	2.45	0.00	0.21	0		I				2.55
1.91	2.36	0.00	0.233	0		I				2.64
2.000	2.33	0.00	0.249	0		I				2.4
2.083	2.38	0.00	0.265	0		I				2.84
2.16	2.82	0.00	0.283	0			I			2.94
2.250	3.48	0.00	0.305	0			I			3.0
2.333	3.2	0.00	0.328	0				I		3.21
2.41	4.21	0.00	0.354	0					I	3.3
2.500	5.6	0.00	0.388	0					I	3.5
2.583	6.66	0.00	0.430	0					I	3.83
2.66	5.98	0.01	0.44	0					I	4.0
2.50	3.49	0.01	0.506	0			I			4.23
2.833	1.94	0.01	0.525	0	I					4.32
2.91	1.53	0.01	0.53	0	I					4.38
3.000	0.98	0.01	0.546	0		I				4.42
3.083	0.36	0.01	0.550	0						4.45
3.16	0.09	0.01	0.552	0						4.45
3.250	0.02	0.01	0.552	0						4.45
3.333	0.00	0.01	0.552	0						4.45

Remaining water in basin = 0.55 (Ac.Ft)

```

*****HYDROGRAPH DATA*****
      Number of intervals = 40
      Time interval = 5.0 (Min.)
      Maximum/Peak flow rate = 0.005 (CFS)
      Total volume = 0.001 (Ac.Ft)
      Status of hydrographs being held in storage
      Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
      Peak (CFS) 0.000 0.000 0.000 0.000 0.000
      Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000
*****

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Program License Serial Number 5006

***** HYDROGRAPH INFORMATION *****

From study/file name: pro1565.rte
 *****HYDROGRAPH DATA*****
 Number of intervals = x5
 Time interval = 5.0 (Min.)
 Makimum/Peaw flo7 rate = 6.169 (CFS)
 Total volume = 0.xx5 (Ac.Ft)
 Status of hydrographs being held in storage
 Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
 Peaw (CFS) 0.000 0.000 0.000 0.000 0.000
 Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
 Process from Point/Station 1.000 to Point/Station 2.000
 **** RETARDING BASIN ROUTING ****

 User entry of depth-outflo7-storage data

 Total number of inflo7 hydrograph intervals = x5
 Hydrograph time unit = 5.000 (Min.)
 Initial depth in storage basin = 0.00(Ft.)

 Initial basin depth = 0.00 (Ft.)
 Initial basin storage = 0.00 (Ac.Ft)
 Initial basin outflo7 = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	outflo7 (CFS)	(S-o*dt/2) (Ac.Ft)	(S+o*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.063	0.001	0.063	0.063
2.000	0.125	0.002	0.125	0.125
3.000	0.293	0.003	0.293	0.293
4.000	0.459	0.005	0.459	0.459
5.000	0.664	0.006	0.664	0.664
6.000	0.911	0.154	0.910	0.912
x.000	1.202	0.268	1.201	1.203
x.850	1.48x	0.6x8	1.485	1.489
8.200	1.x96	22.862	1.x1x	1.8x5

 Hydrograph Detention Basin Routing

 Graph values: 'I'= unit inflo7; 'O'=outflo7 at time sho7n

Time (Hours)	Inflo7 (CFS)	outflo7 (CFS)	Storage (Ac.Ft)	.0	1.5	3.08	4.63	6.1x	Depth (Ft.)
0.083	0.26	0.00	0.001	O I					0.01
0.16x	0.54	0.00	0.004	O I					0.06
0.250	0.64	0.00	0.008	O I					0.12
0.333	0.66	0.00	0.012	O I					0.19
0.41x	0.6x	0.00	0.01x	O I					0.2x
0.500	0.x2	0.00	0.022	O I					0.34
0.583	0.xx	0.00	0.02x	O I					0.42
0.66x	0.x8	0.00	0.032	O I					0.51
0.x50	0.x8	0.00	0.03x	O I					0.59
0.833	0.x8	0.00	0.043	O I					0.68
0.91x	0.x8	0.00	0.048	O I					0.x6
1.000	0.83	0.00	0.054	O I					0.85
1.083	0.88	0.00	0.060	O I					0.94
1.16x	0.89	0.00	0.066	O I					1.04
1.250	0.89	0.00	0.0x2	O I					1.14
1.333	0.89	0.00	0.0x8	O I					1.24
1.41x	0.89	0.00	0.084	O I					1.34
1.500	0.89	0.00	0.090	O I					1.44

South Basin 5yr6hr

Page 1 of 2

1.583	0.89	0.00	0.096	0	I						1.54
1.66x	0.89	0.00	0.102	0	I						1.63
1.x50	0.89	0.00	0.108	0	I						1.x3
1.833	0.89	0.00	0.115	0	I						1.83
1.91x	0.89	0.00	0.121	0	I						1.93
2.000	0.94	0.00	0.12x	0	I						2.01
2.083	0.94	0.00	0.133	0	I						2.05
2.16x	0.95	0.00	0.140	0	I						2.09
2.250	0.99	0.00	0.14x	0	I						2.13
2.333	1.00	0.00	0.153	0	I						2.1x
2.41x	1.00	0.00	0.160	0	I						2.21
2.500	1.00	0.00	0.16x	0	I						2.25
2.583	1.00	0.00	0.1x4	0	I						2.29
2.66x	1.00	0.00	0.181	0	I						2.33
2.x50	1.05	0.00	0.188	0	I						2.38
2.833	1.10	0.00	0.196	0	I						2.42
2.91x	1.11	0.00	0.203	0	I						2.46
3.000	1.11	0.00	0.211	0	I						2.51
3.083	1.11	0.00	0.218	0	I						2.56
3.16x	1.1x	0.00	0.226	0	I						2.60
3.250	1.21	0.00	0.234	0	I						2.65
3.333	1.22	0.00	0.243	0	I						2.x0
3.41x	1.28	0.00	0.251	0	I						2.x5
3.500	1.38	0.00	0.260	0	I						2.81
3.583	1.48	0.00	0.2x0	0	I						2.86
3.66x	1.54	0.00	0.281	0	I						2.93
3.x50	1.61	0.00	0.292	0	I						2.99
3.833	1.66	0.00	0.303	0	I						3.06
3.91x	1.x2	0.00	0.314	0	I						3.13
4.000	1.xx	0.00	0.326	0	I						3.20
4.083	1.83	0.00	0.339	0	I						3.28
4.16x	1.93	0.00	0.352	0	I						3.35
4.250	2.04	0.00	0.365	0	I						3.44
4.333	2.15	0.00	0.380	0	I						3.52
4.41x	2.26	0.00	0.395	0	I						3.61
4.500	2.32	0.00	0.411	0	I						3.x1
4.583	2.39	0.00	0.42x	0	I						3.81
4.66x	2.49	0.00	0.444	0	I						3.91
4.x50	2.60	0.01	0.461	0	I						4.01
4.833	2.66	0.01	0.4x9	0	I						4.10
4.91x	2.x2	0.01	0.498	0	I						4.19
5.000	2.82	0.01	0.51x	0	I						4.28
5.083	3.14	0.01	0.53x	0	I						4.38
5.16x	3.64	0.01	0.560	0	I						4.49
5.250	4.08	0.01	0.58x	0	I						4.62
5.333	4.44	0.01	0.616	0	I						4.xx
5.41x	5.02	0.01	0.649	0	I						4.93
5.500	6.1x	0.02	0.68x	0	I						5.09
5.583	4.60	0.04	0.x24	0	I						5.24
5.66x	2.12	0.06	0.x4x	0	I						5.34
5.x50	1.15	0.06	0.x58	0	I						5.38
5.833	0.69	0.0x	0.x64	0	I						5.40
5.91x	0.48	0.0x	0.x6x	0	I						5.42
6.000	0.31	0.0x	0.xx0	0	I						5.43
6.083	0.14	0.0x	0.xx1	0	I						5.43
6.16x	0.03	0.0x	0.xx1	0	I						5.43
6.250	0.01	0.0x	0.xx0	0	I						5.43
6.333	0.00	0.0x	0.xx0	0	I						5.43

Remaining Water in basin = 0.xx (Ac.Ft)

```

*****HYDROGRAPH DATA*****
Number of intervals = x6
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 0.0x0 (CFS)
Total volume = 0.006 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000
*****

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Program License Serial Number 5006

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*****
*****      Fre study/file name:  prop15245.rte      *****
*****      *****HYDROGRAPH DATA*****              *****
*****      Number of intervals =      291            *****
*****      Time interval =      5.0 (Min.)          *****
*****      Maximum/Peak flow rate =      2.041 (CFS) *****
*****      Total volume =      1.240 (Ac.Ft)        *****
*****      Status of hydrographs being held in storage *****
*****      Stream 1 Stream 2 Stream 3 Stream 4 Stream 5 *****
*****      Peak (CFS)      0.000      0.000      0.000      0.000      0.000 *****
*****      Vol (Ac.Ft)     0.000      0.000      0.000      0.000      0.000 *****
*****

```

User entry of depth-outflow-storage data

```
Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)
```

0.000	0.000	0.000	0.000	0.000
1.000	0.063	0.001	0.063	0.063
2.000	0.125	0.002	0.125	0.125
3.000	0.293	0.003	0.293	0.293
4.000	0.459	0.005	0.459	0.459
5.000	0.664	0.006	0.664	0.664
6.000	0.911	0.154	0.910	0.912
7.000	1.202	0.268	1.201	1.203
8.000	1.485	0.68	1.485	1.485
9.000	1.96	22.862	1.9	1.89

Hydrograph Detention +asin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.-Ft.)	0.5	1.02	1.53	2.04	Depth (Ft.)
0.083	0.06	0.00	0.000	O				0.00
0.16	0.11	0.00	0.001	O				0.01
0.250	0.12	0.00	0.002	O I				0.02
0.333	0.15	0.00	0.002	O I				0.04
0.41	0.1	0.00	0.004	O I				0.06
0.500	0.18	0.00	0.005	O I				0.08
0.583	0.18	0.00	0.006	O I				0.09
0.66	0.18	0.00	0.00	O I				0.11
0.750	0.18	0.00	0.008	O I				0.13
0.833	0.21	0.00	0.010	O I				0.16
0.91	0.23	0.00	0.011	O I				0.18
1.000	0.24	0.00	0.013	O I				0.21
1.083	0.21	0.00	0.014	O I				0.23
1.16	0.19	0.00	0.016	O I				0.25
1.250	0.18	0.00	0.01	O I				0.2
1.333	0.18	0.00	0.018	O I				0.29
1.41	0.18	0.00	0.020	O I				0.31
1.500	0.18	0.00	0.021	O I				0.33

1.583	0.18	0.00	0.022	0	I				0.35
1.66	0.18	0.00	0.023	0	I				0.3
1.50	0.18	0.00	0.025	0	I				0.39
1.833	0.21	0.00	0.026	0	I				0.41
1.91	0.23	0.00	0.02	0	I				0.43
2.000	0.24	0.00	0.029	0	I				0.46
2.083	0.24	0.00	0.031	0	I				0.49
2.16	0.24	0.00	0.032	0	I				0.51
2.250	0.24	0.00	0.034	0	I				0.54
2.333	0.24	0.00	0.036	0	I				0.5
2.41	0.24	0.00	0.03	0	I				0.59
2.500	0.24	0.00	0.039	0	I				0.62
2.583	0.2	0.00	0.041	0	I				0.65
2.66	0.29	0.00	0.043	0	I				0.68
2.50	0.30	0.00	0.045	0	I				0.1
2.833	0.30	0.00	0.04	0	I				0.4
2.91	0.30	0.00	0.049	0	I				0.
3.000	0.30	0.00	0.051	0	I				0.81
3.083	0.30	0.00	0.053	0	I				0.84
3.16	0.30	0.00	0.055	0	I				0.8
3.250	0.30	0.00	0.05	0	I				0.90
3.333	0.30	0.00	0.059	0	I				0.94
3.41	0.30	0.00	0.061	0	I				0.9
3.500	0.30	0.00	0.063	0	I				1.00
3.583	0.30	0.00	0.065	0	I				1.04
3.66	0.30	0.00	0.06	0	I				1.0
3.50	0.30	0.00	0.069	0	I				1.10
3.833	0.33	0.00	0.02	0	I				1.14
3.91	0.35	0.00	0.04	0	I				1.1
4.000	0.36	0.00	0.06	0	I				1.21
4.083	0.36	0.00	0.09	0	I				1.25
4.16	0.36	0.00	0.081	0	I				1.29
4.250	0.36	0.00	0.084	0	I				1.33
4.333	0.39	0.00	0.086	0	I				1.38
4.41	0.41	0.00	0.089	0	I				1.42
4.500	0.42	0.00	0.092	0	I				1.4
4.583	0.42	0.00	0.095	0	I				1.51
4.66	0.42	0.00	0.098	0	I				1.56
4.50	0.42	0.00	0.101	0	I				1.60
4.833	0.45	0.00	0.103	0	I				1.65
4.91	0.4	0.00	0.10	0	I				1.0
5.000	0.48	0.00	0.110	0	I				1.6
5.083	0.42	0.00	0.113	0	I				1.81
5.16	0.3	0.00	0.116	0	I				1.85
5.250	0.36	0.00	0.118	0	I				1.89
5.333	0.39	0.00	0.121	0	I				1.93
5.41	0.41	0.00	0.124	0	I				1.98
5.500	0.42	0.00	0.126	0	I				2.01
5.583	0.45	0.00	0.129	0	I				2.03
5.66	0.4	0.00	0.133	0	I				2.05
5.50	0.48	0.00	0.136	0	I				2.06
5.833	0.48	0.00	0.139	0	I				2.08
5.91	0.48	0.00	0.142	0	I				2.10
6.000	0.48	0.00	0.146	0	I				2.12
6.083	0.51	0.00	0.149	0	I				2.14
6.16	0.53	0.00	0.153	0	I				2.16
6.250	0.54	0.00	0.156	0	I				2.19
6.333	0.54	0.00	0.160	0	I				2.21
6.41	0.54	0.00	0.164	0	I				2.23
6.500	0.54	0.00	0.16	0	I				2.25
6.583	0.5	0.00	0.11	0	I				2.28
6.66	0.59	0.00	0.15	0	I				2.30
6.50	0.60	0.00	0.19	0	I				2.32
6.833	0.60	0.00	0.183	0	I				2.35
6.91	0.60	0.00	0.188	0	I				2.3
7.000	0.60	0.00	0.192	0	I				2.40
7.083	0.60	0.00	0.196	0	I				2.42
7.16	0.60	0.00	0.200	0	I				2.45
7.250	0.60	0.00	0.204	0	I				2.4
7.333	0.63	0.00	0.208	0	I				2.50
7.41	0.65	0.00	0.213	0	I				2.52
7.500	0.66	0.00	0.21	0	I				2.55
7.583	0.69	0.00	0.222	0	I				2.58
7.66	0.1	0.00	0.22	0	I				2.60
7.50	0.2	0.00	0.231	0	I				2.63
7.833	0.5	0.00	0.23	0	I				2.66
7.91	0.	0.00	0.242	0	I				2.69
8.000	0.8	0.00	0.24	0	I				2.3
8.083	0.84	0.00	0.253	0	I				2.6
8.16	0.89	0.00	0.259	0	I				2.9
8.250	0.90	0.00	0.265	0	I				2.83
8.333	0.90	0.00	0.21	0	I				2.8
8.41	0.90	0.00	0.2	0	I				2.90
8.500	0.90	0.00	0.283	0	I				2.94
8.583	0.93	0.00	0.289	0	I				2.98
8.66	0.95	0.00	0.296	0	I				3.02
8.50	0.96	0.00	0.302	0	I				3.06

South Basin 5yr24hr

Page 2 of 7

8.833	0.99	0.00	0.309	0	I				3.10
8.91	1.01	0.00	0.316	0	I				3.14
9.000	1.02	0.00	0.323	0	I				3.18
9.083	1.08	0.00	0.330	0	I				3.22
9.16	1.13	0.00	0.338	0	I				3.2
9.250	1.14	0.00	0.346	0	I				3.32
9.333	1.1	0.00	0.353	0	I				3.36
9.41	1.19	0.00	0.362	0	I				3.41
9.500	1.20	0.00	0.30	0	I				3.46
9.583	1.23	0.00	0.38	0	I				3.51
9.66	1.25	0.00	0.38	0	I				3.56
9.50	1.26	0.00	0.395	0	I				3.62
9.833	1.29	0.00	0.404	0	I				3.6
9.91	1.31	0.00	0.413	0	I				3.2
10.000	1.32	0.00	0.422	0	I				3.8
10.083	1.13	0.00	0.430	0	I				3.83
10.16	0.95	0.00	0.43	0	I				3.8
10.250	0.91	0.00	0.444	0	I				3.91
10.333	0.90	0.00	0.450	0	I				3.95
10.41	0.90	0.00	0.456	0	I				3.98
10.500	0.90	0.01	0.462	0	I				4.02
10.583	1.04	0.01	0.469	0	I				4.05
10.66	1.1	0.01	0.4	0	I				4.09
10.50	1.19	0.01	0.485	0	I				4.13
10.833	1.20	0.01	0.493	0	I				4.1
10.91	1.20	0.01	0.501	0	I				4.21
11.000	1.20	0.01	0.509	0	I				4.25
11.083	1.1	0.01	0.51	0	I				4.29
11.16	1.15	0.01	0.525	0	I				4.32
11.250	1.14	0.01	0.533	0	I				4.36
11.333	1.14	0.01	0.541	0	I				4.40
11.41	1.14	0.01	0.549	0	I				4.44
11.500	1.14	0.01	0.55	0	I				4.48
11.583	1.09	0.01	0.564	0	I				4.51
11.66	1.03	0.01	0.52	0	I				4.55
11.50	1.02	0.01	0.59	0	I				4.58
11.833	1.05	0.01	0.586	0	I				4.62
11.91	1.0	0.01	0.593	0	I				4.65
12.000	1.08	0.01	0.600	0	I				4.69
12.083	1.28	0.01	0.608	0	I				4.3
12.16	1.45	0.01	0.618	0	I				4.4
12.250	1.49	0.01	0.628	0	I				4.82
12.333	1.53	0.01	0.638	0	I				4.8
12.41	1.55	0.01	0.649	0	I				4.93
12.500	1.56	0.01	0.659	0	I				4.98
12.583	1.62	0.01	0.60	0	I				5.03
12.66	1.6	0.02	0.682	0	I				5.0
12.50	1.68	0.02	0.693	0	I				5.12
12.833	1.1	0.03	0.04	0	I				5.16
12.91	1.3	0.04	0.16	0	I				5.21
13.000	1.4	0.04	0.28	0	I				5.26
13.083	1.88	0.05	0.40	0	I				5.31
13.16	2.01	0.06	0.53	0	I				5.36
13.250	2.03	0.0	0.66	0	I				5.41
13.333	2.04	0.08	0.80	0	I				5.4
13.41	2.04	0.08	0.93	0	I				5.52
13.500	2.04	0.09	0.80	0	I				5.58
13.583	1.4	0.10	0.819	0	I				5.63
13.66	1.46	0.11	0.829	0	I				5.6
13.50	1.40	0.11	0.839	0	I				5.1
13.833	1.38	0.12	0.84	0	I				5.4
13.91	1.38	0.12	0.856	0	I				5.8
14.000	1.38	0.13	0.865	0	I				5.81
14.083	1.49	0.13	0.84	0	I				5.85
14.16	1.59	0.14	0.883	0	I				5.89
14.250	1.61	0.14	0.894	0	I				5.93
14.333	1.59	0.15	0.904	0	I				5.9
14.41	1.5	0.15	0.913	0	I				6.01
14.500	1.56	0.16	0.923	0	I				6.04
14.583	1.56	0.16	0.933	0	I				6.0
14.66	1.56	0.1	0.942	0	I				6.11
14.50	1.56	0.1	0.952	0	I				6.14
14.833	1.53	0.1	0.961	0	I				6.1
14.91	1.51	0.18	0.91	0	I				6.21
15.000	1.50	0.18	0.980	0	I				6.24
15.083	1.4	0.18	0.989	0	I				6.2
15.16	1.45	0.19	0.998	0	I				6.30
15.250	1.44	0.19	1.006	0	I				6.33
15.333	1.41	0.19	1.015	0	I				6.36
15.41	1.39	0.20	1.023	0	I				6.38
15.500	1.38	0.20	1.031	0	I				6.41
15.583	1.2	0.20	1.039	0	I				6.44
15.66	1.1	0.21	1.046	0	I				6.46
15.50	1.15	0.21	1.052	0	I				6.49
15.833	1.14	0.21	1.059	0	I				6.51
15.91	1.14	0.21	1.065	0	I				6.53
16.000	1.14	0.22	1.02	0	I				6.55

South Basin 5yr24hr

Page 3 of 7

16.083	0.2	0.22	1.0	O	I				6.5
16.16	0.34	0.22	1.09	O I					6.58
16.250	0.2	0.22	1.09	OI					6.58
16.333	0.24	0.22	1.080	O					6.58
16.41	0.24	0.22	1.080	O					6.58
16.500	0.24	0.22	1.080	O					6.58
16.583	0.21	0.22	1.080	O					6.58
16.66	0.19	0.22	1.080	IO					6.58
16.50	0.18	0.22	1.080	IO					6.58
16.833	0.18	0.22	1.09	IO					6.58
16.91	0.18	0.22	1.09	IO					6.58
1.000	0.18	0.22	1.09	IO					6.58
1.083	0.24	0.22	1.09	O					6.58
1.16	0.29	0.22	1.09	OI					6.58
1.250	0.30	0.22	1.09	OI					6.58
1.333	0.30	0.22	1.080	OI					6.58
1.41	0.30	0.22	1.080	OI					6.58
1.500	0.30	0.22	1.081	OI					6.58
1.583	0.30	0.22	1.082	OI					6.59
1.66	0.30	0.22	1.082	OI					6.59
1.50	0.30	0.22	1.083	OI					6.59
1.833	0.2	0.22	1.083	OI					6.59
1.91	0.25	0.22	1.083	O					6.59
18.000	0.24	0.22	1.084	O					6.59
18.083	0.24	0.22	1.084	O					6.59
18.16	0.24	0.22	1.084	O					6.59
18.250	0.24	0.22	1.084	O					6.59
18.333	0.24	0.22	1.084	O					6.59
18.41	0.24	0.22	1.084	O					6.60
18.500	0.24	0.22	1.084	O					6.60
18.583	0.21	0.22	1.084	O					6.60
18.66	0.19	0.22	1.084	IO					6.60
18.50	0.18	0.22	1.084	IO					6.59
18.833	0.15	0.22	1.084	IO					6.59
18.91	0.13	0.22	1.083	I O					6.59
19.000	0.12	0.22	1.082	I O					6.59
19.083	0.15	0.22	1.082	IO					6.59
19.16	0.1	0.22	1.081	IO					6.59
19.250	0.18	0.22	1.081	IO					6.58
19.333	0.21	0.22	1.081	O					6.58
19.41	0.23	0.22	1.081	O					6.58
19.500	0.24	0.22	1.081	O					6.58
19.583	0.21	0.22	1.081	O					6.58
19.66	0.19	0.22	1.081	IO					6.58
19.50	0.18	0.22	1.081	IO					6.58
19.833	0.15	0.22	1.080	IO					6.58
19.91	0.13	0.22	1.080	I O					6.58
20.000	0.12	0.22	1.09	I O					6.58
20.083	0.15	0.22	1.08	IO					6.58
20.16	0.1	0.22	1.08	IO					6.5
20.250	0.18	0.22	1.08	IO					6.5
20.333	0.18	0.22	1.0	IO					6.5
20.41	0.18	0.22	1.0	IO					6.5
20.500	0.18	0.22	1.0	IO					6.5
20.583	0.18	0.22	1.0	IO					6.5
20.66	0.18	0.22	1.06	IO					6.5
20.50	0.18	0.22	1.06	IO					6.5
20.833	0.15	0.22	1.06	IO					6.5
20.91	0.13	0.22	1.05	I O					6.56
21.000	0.12	0.22	1.05	I O					6.56
21.083	0.15	0.22	1.04	IO					6.56
21.16	0.1	0.22	1.04	IO					6.56
21.250	0.18	0.22	1.03	IO					6.56
21.333	0.15	0.22	1.03	IO					6.56
21.41	0.13	0.22	1.02	I O					6.55
21.500	0.12	0.22	1.02	I O					6.55
21.583	0.15	0.22	1.01	IO					6.55
21.66	0.1	0.22	1.01	IO					6.55
21.50	0.18	0.22	1.01	IO					6.55
21.833	0.15	0.22	1.00	IO					6.55
21.91	0.13	0.22	1.00	I O					6.55
22.000	0.12	0.22	1.069	I O					6.54
22.083	0.15	0.22	1.068	IO					6.54
22.16	0.1	0.22	1.068	IO					6.54
22.250	0.18	0.22	1.068	IO					6.54
22.333	0.15	0.22	1.06	IO					6.54
22.41	0.13	0.22	1.06	I O					6.54
22.500	0.12	0.21	1.066	I O					6.53
22.583	0.12	0.21	1.066	I O					6.53
22.66	0.12	0.21	1.065	I O					6.53
22.50	0.12	0.21	1.064	I O					6.53
22.833	0.12	0.21	1.064	I O					6.52
22.91	0.12	0.21	1.063	I O					6.52
23.000	0.12	0.21	1.062	I O					6.52
23.083	0.12	0.21	1.062	I O					6.52
23.16	0.12	0.21	1.061	I O					6.52
23.250	0.12	0.21	1.061	I O					6.51

South Basin 5yr24hr

Page 4 of 7

23.333	0.12	0.21	1.060	I O				6.51
23.41	0.12	0.21	1.059	I O				6.51
23.500	0.12	0.21	1.059	I O				6.51
23.583	0.12	0.21	1.058	I O				6.51
23.66	0.12	0.21	1.05	I O				6.50
23.50	0.12	0.21	1.05	I O				6.50
23.833	0.12	0.21	1.056	I O				6.50
23.91	0.12	0.21	1.055	I O				6.50
24.000	0.12	0.21	1.055	I O				6.49
24.083	0.06	0.21	1.054	I O				6.49
24.16	0.01	0.21	1.053	I O				6.49
24.250	0.00	0.21	1.051	I O				6.48
24.333	0.00	0.21	1.050	I O				6.48
24.41	0.00	0.21	1.049	I O				6.4
24.500	0.00	0.21	1.04	I O				6.4
24.583	0.00	0.21	1.046	I O				6.46
24.66	0.00	0.21	1.044	I O				6.46
24.50	0.00	0.21	1.043	I O				6.45
24.833	0.00	0.21	1.042	I O				6.45
24.91	0.00	0.20	1.040	I O				6.44
25.000	0.00	0.20	1.039	I O				6.44
25.083	0.00	0.20	1.03	I O				6.43
25.16	0.00	0.20	1.036	I O				6.43
25.250	0.00	0.20	1.034	I O				6.42
25.333	0.00	0.20	1.033	I O				6.42
25.41	0.00	0.20	1.032	I O				6.41
25.500	0.00	0.20	1.030	I O				6.41
25.583	0.00	0.20	1.029	I O				6.41
25.66	0.00	0.20	1.028	I O				6.40
25.50	0.00	0.20	1.026	I O				6.40
25.833	0.00	0.20	1.025	I O				6.39
25.91	0.00	0.20	1.023	I O				6.39
26.000	0.00	0.20	1.022	I O				6.38
26.083	0.00	0.20	1.021	I O				6.38
26.16	0.00	0.20	1.019	I O				6.3
26.250	0.00	0.20	1.018	I O				6.3
26.333	0.00	0.20	1.01	I O				6.36
26.41	0.00	0.19	1.015	I O				6.36
26.500	0.00	0.19	1.014	I O				6.35
26.583	0.00	0.19	1.013	I O				6.35
26.66	0.00	0.19	1.011	I O				6.34
26.50	0.00	0.19	1.010	I O				6.34
26.833	0.00	0.19	1.009	I O				6.34
26.91	0.00	0.19	1.00	I O				6.33
2.000	0.00	0.19	1.006	I O				6.33
2.083	0.00	0.19	1.005	I O				6.32
2.16	0.00	0.19	1.003	I O				6.32
2.250	0.00	0.19	1.002	I O				6.31
2.333	0.00	0.19	1.001	I O				6.31
2.41	0.00	0.19	0.999	I O				6.30
2.500	0.00	0.19	0.998	I O				6.30
2.583	0.00	0.19	0.99	I O				6.30
2.66	0.00	0.19	0.996	I O				6.29
2.50	0.00	0.19	0.994	I O				6.29
2.833	0.00	0.19	0.993	I O				6.28
2.91	0.00	0.19	0.992	I O				6.28
28.000	0.00	0.19	0.990	I O				6.2
28.083	0.00	0.18	0.989	I O				6.2
28.16	0.00	0.18	0.988	I O				6.26
28.250	0.00	0.18	0.98	I O				6.26
28.333	0.00	0.18	0.985	I O				6.26
28.41	0.00	0.18	0.984	I O				6.25
28.500	0.00	0.18	0.983	I O				6.25
28.583	0.00	0.18	0.982	I O				6.24
28.66	0.00	0.18	0.980	I O				6.24
28.50	0.00	0.18	0.9.9	I O				6.23
28.833	0.00	0.18	0.9.8	I O				6.23
28.91	0.00	0.18	0.9	I O				6.23
29.000	0.00	0.18	0.9.5	I O				6.22
29.083	0.00	0.18	0.9.4	I O				6.22
29.16	0.00	0.18	0.9.3	I O				6.21
29.250	0.00	0.18	0.9.2	I O				6.21
29.333	0.00	0.18	0.9.1	I O				6.20
29.41	0.00	0.18	0.969	I O				6.20
29.500	0.00	0.18	0.968	I O				6.20
29.583	0.00	0.18	0.96	I O				6.19
29.66	0.00	0.18	0.966	I O				6.19
29.50	0.00	0.1	0.964	I O				6.18
29.833	0.00	0.1	0.963	I O				6.18
29.91	0.00	0.1	0.962	I O				6.18
30.000	0.00	0.1	0.961	I O				6.1
30.083	0.00	0.1	0.960	I O				6.1
30.16	0.00	0.1	0.958	I O				6.16
30.250	0.00	0.1	0.95	I O				6.16
30.333	0.00	0.1	0.956	I O				6.15
30.41	0.00	0.1	0.955	I O				6.15
30.500	0.00	0.1	0.954	I O				6.15

South Basin 5yr24hr

Page 5 of 7

30.583	0.00	0.1	0.953	I	O	6.14
30.66	0.00	0.1	0.951	I	O	6.14
30.50	0.00	0.1	0.950	I	O	6.13
30.833	0.00	0.1	0.949	I	O	6.13
30.91	0.00	0.1	0.948	I	O	6.13
31.000	0.00	0.1	0.94	I	O	6.12
31.083	0.00	0.1	0.946	I	O	6.12
31.16	0.00	0.1	0.944	I	O	6.11
31.250	0.00	0.1	0.943	I	O	6.11
31.333	0.00	0.1	0.942	I	O	6.11
31.41	0.00	0.1	0.941	I	O	6.10
31.500	0.00	0.1	0.940	I	O	6.10
31.583	0.00	0.16	0.939	I	O	6.10
31.66	0.00	0.16	0.938	I	O	6.09
31.50	0.00	0.16	0.936	I	O	6.09
31.833	0.00	0.16	0.935	I	O	6.08
31.91	0.00	0.16	0.934	I	O	6.08
32.000	0.00	0.16	0.933	I	O	6.08
32.083	0.00	0.16	0.932	I	O	6.0
32.16	0.00	0.16	0.931	I	O	6.0
32.250	0.00	0.16	0.930	I	O	6.06
32.333	0.00	0.16	0.929	I	O	6.06
32.41	0.00	0.16	0.928	I	O	6.06
32.500	0.00	0.16	0.926	I	O	6.05
32.583	0.00	0.16	0.925	I	O	6.05
32.66	0.00	0.16	0.924	I	O	6.05
32.50	0.00	0.16	0.923	I	O	6.04
32.833	0.00	0.16	0.922	I	O	6.04
32.91	0.00	0.16	0.921	I	O	6.03
33.000	0.00	0.16	0.920	I	O	6.03
33.083	0.00	0.16	0.919	I	O	6.03
33.16	0.00	0.16	0.918	I	O	6.02
33.250	0.00	0.16	0.91	I	O	6.02
33.333	0.00	0.16	0.916	I	O	6.02
33.41	0.00	0.16	0.914	I	O	6.01
33.500	0.00	0.15	0.913	I	O	6.01
33.583	0.00	0.15	0.912	I	O	6.00
33.66	0.00	0.15	0.911	I	O	6.00
33.50	0.00	0.15	0.910	I	O	6.00
33.833	0.00	0.15	0.909	I	O	5.99
33.91	0.00	0.15	0.908	I	O	5.99
34.000	0.00	0.15	0.90	I	O	5.98
34.083	0.00	0.15	0.906	I	O	5.98
34.16	0.00	0.15	0.905	I	O	5.98
34.250	0.00	0.15	0.904	I	O	5.9
34.333	0.00	0.15	0.903	I	O	5.9
34.41	0.00	0.15	0.902	I	O	5.96
34.500	0.00	0.15	0.901	I	O	5.96
34.583	0.00	0.15	0.900	I	O	5.95
34.66	0.00	0.15	0.899	I	O	5.95
34.50	0.00	0.15	0.898	I	O	5.95
34.833	0.00	0.15	0.89	I	O	5.94
34.91	0.00	0.14	0.896	I	O	5.94
35.000	0.00	0.14	0.895	I	O	5.93
35.083	0.00	0.14	0.894	I	O	5.93
35.16	0.00	0.14	0.893	I	O	5.93
35.250	0.00	0.14	0.892	I	O	5.92
35.333	0.00	0.14	0.891	I	O	5.92
35.41	0.00	0.14	0.890	I	O	5.91
35.500	0.00	0.14	0.889	I	O	5.91
35.583	0.00	0.14	0.888	I	O	5.91
35.66	0.00	0.14	0.88	I	O	5.90
35.50	0.00	0.14	0.886	I	O	5.90
35.833	0.00	0.14	0.885	I	O	5.90
35.91	0.00	0.14	0.884	I	O	5.89
36.000	0.00	0.14	0.883	I	O	5.89
36.083	0.00	0.14	0.882	I	O	5.88
36.16	0.00	0.14	0.881	I	O	5.88
36.250	0.00	0.14	0.880	I	O	5.88
36.333	0.00	0.14	0.8.9	I	O	5.8
36.41	0.00	0.13	0.8.9	I	O	5.8
36.500	0.00	0.13	0.8.8	I	O	5.86
36.583	0.00	0.13	0.8	I	O	5.86
36.66	0.00	0.13	0.8.6	I	O	5.86
36.50	0.00	0.13	0.8.5	I	O	5.85
36.833	0.00	0.13	0.8.4	I	O	5.85
36.91	0.00	0.13	0.8.3	I	O	5.85
3.000	0.00	0.13	0.8.2	I	O	5.84
3.083	0.00	0.13	0.8.1	I	O	5.84
3.16	0.00	0.13	0.8.0	I	O	5.84
3.250	0.00	0.13	0.869	I	O	5.83
3.333	0.00	0.13	0.869	I	O	5.83
3.41	0.00	0.13	0.868	I	O	5.82
3.500	0.00	0.13	0.86	IO		5.82
3.583	0.00	0.13	0.866	IO		5.82
3.66	0.00	0.13	0.865	IO		5.81
3.50	0.00	0.13	0.864	IO		5.81

South Basin 5yr24hr

Page 6 of 7

3_.833	0.00	0.13	0.863	IO					5.81
3_.91	0.00	0.12	0.862	IO					5.80
38.000	0.00	0.12	0.862	IO					5.80
38.083	0.00	0.12	0.861	IO					5.80
38.16	0.00	0.12	0.860	IO					5.79
38.250	0.00	0.12	0.859	IO					5.79
38.333	0.00	0.12	0.858	IO					5.79
38.41	0.00	0.12	0.85	IO					5.78
38.500	0.00	0.12	0.85	IO					5.78
38.583	0.00	0.12	0.856	IO					5.78
38.66	0.00	0.12	0.855	IO					5.7
38_.50	0.00	0.12	0.854	IO					5.7
38.833	0.00	0.12	0.853	IO					5.7
38.91	0.00	0.12	0.852	IO					5.6
39.000	0.00	0.12	0.852	IO					5.6
39.083	0.00	0.12	0.851	IO					5.6
39.16	0.00	0.12	0.850	IO					5.5
39.250	0.00	0.12	0.849	IO					5.5
39.333	0.00	0.12	0.848	IO					5.5
39.41	0.00	0.12	0.848	IO					5.4
39.500	0.00	0.12	0.84	IO					5.4
39.583	0.00	0.12	0.846	IO					5.4
39.66	0.00	0.11	0.845	IO					5.3
39_.50	0.00	0.11	0.844	IO					5.3
39.833	0.00	0.11	0.844	IO					5.3
39.91	0.00	0.11	0.843	IO					5.2
40.000	0.00	0.11	0.842	IO					5.2
40.083	0.00	0.11	0.841	IO					5.2
40.16	0.00	0.11	0.840	IO					5.1
40.250	0.00	0.11	0.840	IO					5.1
40.333	0.00	0.11	0.839	IO					5.1
40.41	0.00	0.11	0.838	IO					5.1
40.500	0.00	0.11	0.83	IO					5.0
40.583	0.00	0.11	0.83	IO					5.0
40.66	0.00	0.11	0.836	IO					5.0
40_.50	0.00	0.11	0.835	IO					5.69
40.833	0.00	0.11	0.834	IO					5.69
40.91	0.00	0.11	0.834	IO					5.69
41.000	0.00	0.11	0.833	IO					5.68
41.083	0.00	0.11	0.832	IO					5.68
41.16	0.00	0.11	0.831	IO					5.68
41.250	0.00	0.11	0.831	IO					5.6
41.333	0.00	0.11	0.830	IO					5.6
41.41	0.00	0.11	0.829	IO					5.6
41.500	0.00	0.10	0.829	IO					5.6
41.583	0.00	0.10	0.828	IO					5.66
41.66	0.00	0.10	0.82	IO					5.66
41_.50	0.00	0.10	0.826	IO					5.66
41.833	0.00	0.10	0.826	IO					5.65
41.91	0.00	0.10	0.825	IO					5.65
42.000	0.00	0.10	0.824	IO					5.65
42.083	0.00	0.10	0.824	IO					5.65
42.16	0.00	0.10	0.823	IO					5.64
42.250	0.00	0.10	0.822	IO					5.64
42.333	0.00	0.10	0.821	IO					5.64
42.41	0.00	0.10	0.821	IO					5.63

Remaining water in basin = 0.82 (Ac.Ft)

```

*****HYDROGRAPH DATA*****
Number of intervals = 509
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 0.222 (CFS)
Total volume = 0.420 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000
*****

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Program License Serial Number 5006

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***** From study/file name: propl10110.rte *****
***** HYDROGRAPH DATA *****
Number of intervals =    15
Time interval =      5.0 (Min.)
Maximum/Peak flow rate =   16.350 (CFS)
Total volume =         0.489 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000
*****

```

User entry of depth-outflow-storage data

```
Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)
```

0.000	0.000	0.000	0.000	0.000
1.000	0.063	0.001	0.063	0.063
2.000	0.125	0.002	0.125	0.125
3.000	0.293	0.003	0.293	0.293
4.000	0.459	0.005	0.459	0.459
5.000	0.664	0.006	0.664	0.664
6.000	0.911	0.154	0.910	0.912
- .000	1.202	0.268	1.201	1.203
- .850	1.48	0.6.8	1.485	1.489
8.200	1.96	22.862	1.1	1.8.5

Hydrograph Detention +asin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

[illegible]

Remaining water in basin = 0.49 (Ac.Ft)

*****HYDROGRAPH DATA*****

Number of intervals = 16
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 0.005 (CFS)
Total volume = 0.000 (Ac.Ft)
Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

Program License Serial Number 5006

```

***** From study/file name: proll10310.rte *****
***** HYDROGRAPH DATA *****
Number of intervals = 39
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 9.183 (CFS)
Total volume = 0.698 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000
*****

```

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 39
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

```
Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)
```

Depth vs. Storage		Depth vs. Discharge data:		
+asin Depth	Storage	Outflow	(S-0*dt/2)	(S70*dt/2)
(Ft.)	(Ac.Ft)	(CFS)	(Ac.Ft)	(Ac.Ft)

0.000	0.000	0.000	0.000	0.000
1.000	0.063	0.001	0.063	0.063
2.000	0.125	0.002	0.125	0.125
3.000	0.293	0.003	0.293	0.293
4.000	0.459	0.005	0.459	0.459
5.000	0.664	0.006	0.664	0.664
6.000	0.911	0.154	0.910	0.912
-0.000	1.202	0.268	1.201	1.203
-0.850	1.48	0.6.8	1.485	1.489
8.200	1.96	22.862	1.1	1.8.5

Hydrograph Detention +asin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)						Depth (Ft.)	
0.083	0.56	0.00	0.002	O		2.3	4.59	6.89	9.18	0.03
0.16	1.0	0.00	0.008	O	I					0.12
0.250	1.08	0.00	0.015	O	I					0.24
0.333	1.21	0.00	0.023	O	I					0.36
0.41	1.35	0.00	0.032	O	I					0.50
0.500	1.51	0.00	0.041	O	I					0.66
0.583	1.51	0.00	0.052	O	I					0.82
0.66	1.54	0.00	0.062	O	I					0.99
0.750	1.65	0.00	0.073	O	I					1.1
0.833	1.53	0.00	0.084	O	I					1.34
0.91	1.4	0.00	0.095	O	I					1.51
1.000	1.5	0.00	0.105	O	I					1.68
1.083	1.82	0.00	0.11	O	I					1.8
1.16	1.99	0.00	0.130	O	I					2.03
1.250	2.03	0.00	0.144	O	I					2.11
1.333	1.95	0.00	0.15	O	I					2.19
1.41	2.13	0.00	0.161	O	I					2.28
1.500	2.40	0.00	0.18	O	I					2.3

1.583	2.35	0.00	0.203	O	I					2.4
1.66	2.38	0.00	0.220	O	I					2.56
1.50	2.4	0.00	0.23	O	I					2.6
1.833	2.90	0.00	0.25	O	I					2.8
1.91	2.9	0.00	0.26	O	I					2.90
2.000	2.6	0.00	0.295	O	I					3.01
2.083	2.82	0.00	0.314	O	I					3.13
2.16	3.46	0.00	0.336	O		I				3.26
2.250	4.5	0.00	0.364	O		I				3.43
2.333	4.20	0.00	0.394	O		I				3.61
2.41	5.68	0.00	0.428	O			I			3.81
2.500	.93	0.01	0.45	O				I		4.08
2.583	9.18	0.01	0.534	O					I	4.36
2.66	8.38	0.01	0.594	O				I		4.66
2.50	4.81	0.01	0.639	O			I			4.88
2.833	2.45	0.01	0.664	O	I					5.00
2.91	1.86	0.02	0.69	O	I					5.06
3.000	1.16	0.02	0.689	O	I					5.10
3.083	0.43	0.02	0.695	O						5.12
3.16	0.10	0.03	0.696	O						5.13
3.250	0.02	0.03	0.69	O						5.13
3.333	0.00	0.03	0.696	O						5.13

Remaining water in basin = 0.0 (Ac.Ft)

*****HYDROGRAPH DATA*****

Number of intervals = 40

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.026 (CFS)

Total volume = 0.002 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

Program License Serial Number 5006

***** HYDROGRAPH INFORMATION *****

From study/file name: pro110610.rte
 *****HYDROGRAPH DATA*****
 Number of intervals = x5
 Time interval = 5.0 (Min.)
 Makimum/Peaw flo7 rate = 8.351 (CFS)
 Total volume = 0.934 (Ac.Ft)
 Status of hydrographs being held in storage
 Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
 Peaw (CFS) 0.000 0.000 0.000 0.000 0.000
 Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
 Process from Point/Station 1.000 to Point/Station 2.000
 **** RETARDING BASIN ROUTING ****

User entry of depth-outflo7-storage data

 Total number of inflo7 hydrograph intervals = x5
 Hydrograph time unit = 5.000 (Min.)
 Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
 Initial basin storage = 0.00 (Ac.Ft)
 Initial basin outflo7 = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	outflo7 (CFS)	(S-o*dt/2) (Ac.Ft)	(S+o*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.063	0.001	0.063	0.063
2.000	0.125	0.002	0.125	0.125
3.000	0.293	0.003	0.293	0.293
4.000	0.459	0.005	0.459	0.459
5.000	0.664	0.006	0.664	0.664
6.000	0.911	0.154	0.910	0.912
x.000	1.202	0.268	1.201	1.203
x.850	1.48x	0.6x8	1.485	1.489
8.200	1.x96	22.862	1.x1x	1.8x5

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflo7; 'O'=outflo7 at time sho7n

Time (Hours)	Inflo7 (CFS)	outflo7 (CFS)	Storage (Ac.Ft)	.0	2.1	4.18	6.26	8.35	Depth (Ft.)
0.083	0.30	0.00	0.001	O I					0.02
0.16x	0.63	0.00	0.004	O I					0.0x
0.250	0.x3	0.00	0.009	O I					0.14
0.333	0.xx	0.00	0.014	O I					0.22
0.41x	0.xx	0.00	0.019	O I					0.31
0.500	0.83	0.00	0.025	O I					0.39
0.583	0.88	0.00	0.031	O I					0.49
0.66x	0.89	0.00	0.03x	O I					0.59
0.x50	0.90	0.00	0.043	O I					0.68
0.833	0.90	0.00	0.049	O I					0.x8
0.91x	0.90	0.00	0.055	O I					0.88
1.000	0.96	0.00	0.062	O I					0.98
1.083	1.01	0.00	0.069	O I					1.09
1.16x	1.02	0.00	0.0x6	O I					1.20
1.250	1.03	0.00	0.083	O I					1.32
1.333	1.03	0.00	0.090	O I					1.43
1.41x	1.03	0.00	0.09x	O I					1.55
1.500	1.03	0.00	0.104	O I					1.66

South Basin 10yr6hr

Page 1 of 4

1.583	1.03	0.00	0.111	0	I						1.xx
1.66x	1.03	0.00	0.118	0	I						1.89
1.x50	1.03	0.00	0.125	0	I						2.00
1.833	1.03	0.00	0.132	0	I						2.04
1.91x	1.03	0.00	0.139	0	I						2.08
2.000	1.09	0.00	0.146	0	I						2.13
2.083	1.08	0.00	0.154	0	I						2.1x
2.16x	1.10	0.00	0.161	0	I						2.22
2.250	1.15	0.00	0.169	0	I						2.26
2.333	1.15	0.00	0.1xx	0	I						2.31
2.41x	1.16	0.00	0.185	0	I						2.36
2.500	1.16	0.00	0.193	0	I						2.40
2.583	1.16	0.00	0.201	0	I						2.45
2.66x	1.16	0.00	0.209	0	I						2.50
2.x50	1.22	0.00	0.21x	0	I						2.55
2.833	1.2x	0.00	0.225	0	I						2.60
2.91x	1.28	0.00	0.234	0	I						2.65
3.000	1.28	0.00	0.243	0	I						2.x0
3.083	1.28	0.00	0.252	0	I						2.x6
3.16x	1.34	0.00	0.261	0	I						2.81
3.250	1.40	0.00	0.2x0	0	I						2.86
3.333	1.41	0.00	0.280	0	I						2.92
3.41x	1.4x	0.00	0.290	0	I						2.98
3.500	1.59	0.00	0.300	0	I						3.04
3.583	1.x1	0.00	0.312	0	I						3.11
3.66x	1.x8	0.00	0.324	0	I						3.18
3.x50	1.85	0.00	0.336	0	I						3.26
3.833	1.91	0.00	0.349	0	I						3.34
3.91x	1.98	0.00	0.363	0	I						3.42
4.000	2.04	0.00	0.3x6	0	I						3.50
4.083	2.11	0.00	0.391	0	I						3.59
4.16x	2.23	0.00	0.406	0	I						3.68
4.250	2.35	0.00	0.421	0	I						3.xx
4.333	2.48	0.00	0.438	0	I						3.8x
4.41x	2.61	0.00	0.455	0	I						3.98
4.500	2.68	0.01	0.4x4	0	I						4.0x
4.583	2.x5	0.01	0.492	0	I						4.16
4.66x	2.8x	0.01	0.512	0	I						4.26
4.x50	2.99	0.01	0.532	0	I						4.35
4.833	3.06	0.01	0.553	0	I						4.46
4.91x	3.14	0.01	0.5x4	0	I						4.56
5.000	3.26	0.01	0.596	0	I						4.6x
5.083	3.xx	0.01	0.620	0	I						4.x9
5.16x	4.68	0.01	0.649	0	I						4.93
5.250	5.48	0.02	0.684	0	I						5.08
5.333	6.15	0.04	0.x24	0	I						5.24
5.41x	6.98	0.0x	0.x69	0	I						5.42
5.500	8.35	0.10	0.821	0	I						5.63
5.583	5.9x	0.13	0.869	0	I						5.83
5.66x	2.59	0.15	0.898	0	I						5.95
5.x50	1.3x	0.15	0.911	0	I						6.00
5.833	0.80	0.16	0.91x	0	I						6.02
5.91x	0.55	0.16	0.920	0	I						6.03
6.000	0.36	0.16	0.923	0	I						6.04
6.083	0.16	0.16	0.923	0	I						6.04
6.16x	0.03	0.16	0.923	0	I						6.04
6.250	0.01	0.16	0.922	0	I						6.04
6.333	0.00	0.16	0.921	0	I						6.03
6.41x	0.00	0.16	0.920	0	I						6.03
6.500	0.00	0.16	0.919	0	I						6.03
6.583	0.00	0.16	0.918	0	I						6.02
6.66x	0.00	0.16	0.916	0	I						6.02
6.x50	0.00	0.16	0.915	0	I						6.02
6.833	0.00	0.16	0.914	0	I						6.01
6.91x	0.00	0.15	0.913	0	I						6.01
x.000	0.00	0.15	0.912	0	I						6.00
x.083	0.00	0.15	0.911	0	I						6.00
x.16x	0.00	0.15	0.910	0	I						6.00
x.250	0.00	0.15	0.909	0	I						5.99
x.333	0.00	0.15	0.908	0	I						5.99
x.41x	0.00	0.15	0.90x	0	I						5.98
x.500	0.00	0.15	0.906	0	I						5.98
x.583	0.00	0.15	0.905	0	I						5.98
x.66x	0.00	0.15	0.904	0	I						5.9x
x.x50	0.00	0.15	0.903	0	I						5.9x
x.833	0.00	0.15	0.902	0	I						5.96
x.91x	0.00	0.15	0.901	0	I						5.96
8.000	0.00	0.15	0.900	0	I						5.95
8.083	0.00	0.15	0.899	0	I						5.95
8.16x	0.00	0.15	0.898	0	I						5.95
8.250	0.00	0.15	0.89x	0	I						5.94
8.333	0.00	0.14	0.896	0	I						5.94
8.41x	0.00	0.14	0.895	0	I						5.93
8.500	0.00	0.14	0.894	0	I						5.93
8.583	0.00	0.14	0.893	0	I						5.93
8.66x	0.00	0.14	0.892	0	I						5.92
8.x50	0.00	0.14	0.891	0	I						5.92

South Basin 10yr6hr

Page 2 of 4

8.833	0.00	0.14	0.890	o					5.91
8.91x	0.00	0.14	0.889	o					5.91
9.000	0.00	0.14	0.888	o					5.91
9.083	0.00	0.14	0.88x	o					5.90
9.16x	0.00	0.14	0.886	o					5.90
9.250	0.00	0.14	0.885	o					5.89
9.333	0.00	0.14	0.884	o					5.89
9.41x	0.00	0.14	0.883	o					5.89
9.500	0.00	0.14	0.882	o					5.88
9.583	0.00	0.14	0.881	o					5.88
9.66x	0.00	0.14	0.880	o					5.88
9.x50	0.00	0.14	0.8x9	o					5.8x
9.833	0.00	0.13	0.8x8	o					5.8x
9.91x	0.00	0.13	0.8xx	o					5.86
10.000	0.00	0.13	0.8xx	o					5.86
10.083	0.00	0.13	0.8x6	o					5.86
10.16x	0.00	0.13	0.8x5	o					5.85
10.250	0.00	0.13	0.8x4	o					5.85
10.333	0.00	0.13	0.8x3	o					5.85
10.41x	0.00	0.13	0.8x2	o					5.84
10.500	0.00	0.13	0.8x1	o					5.84
10.583	0.00	0.13	0.8x0	o					5.83
10.66x	0.00	0.13	0.869	o					5.83
10.x50	0.00	0.13	0.868	o					5.83
10.833	0.00	0.13	0.868	o					5.82
10.91x	0.00	0.13	0.86x	o					5.82
11.000	0.00	0.13	0.866	o					5.82
11.083	0.00	0.13	0.865	o					5.81
11.16x	0.00	0.13	0.864	o					5.81
11.250	0.00	0.13	0.863	o					5.81
11.333	0.00	0.12	0.862	o					5.80
11.41x	0.00	0.12	0.861	o					5.80
11.500	0.00	0.12	0.861	o					5.80
11.583	0.00	0.12	0.860	o					5.x9
11.66x	0.00	0.12	0.859	o					5.x9
11.x50	0.00	0.12	0.858	o					5.x9
11.833	0.00	0.12	0.85x	o					5.x8
11.91x	0.00	0.12	0.856	o					5.x8
12.000	0.00	0.12	0.856	o					5.x8
12.083	0.00	0.12	0.855	o					5.xx
12.16x	0.00	0.12	0.854	o					5.xx
12.250	0.00	0.12	0.853	o					5.xx
12.333	0.00	0.12	0.852	o					5.x6
12.41x	0.00	0.12	0.851	o					5.x6
12.500	0.00	0.12	0.851	o					5.x6
12.583	0.00	0.12	0.850	o					5.x5
12.66x	0.00	0.12	0.849	o					5.x5
12.x50	0.00	0.12	0.848	o					5.x5
12.833	0.00	0.12	0.84x	o					5.x4
12.91x	0.00	0.12	0.84x	o					5.x4
13.000	0.00	0.11	0.846	o					5.x4
13.083	0.00	0.11	0.845	o					5.x3
13.16x	0.00	0.11	0.844	o					5.x3
13.250	0.00	0.11	0.843	o					5.x3
13.333	0.00	0.11	0.843	o					5.x2
13.41x	0.00	0.11	0.842	o					5.x2
13.500	0.00	0.11	0.841	o					5.x2
13.583	0.00	0.11	0.840	o					5.x1
13.66x	0.00	0.11	0.840	o					5.x1
13.x50	0.00	0.11	0.839	o					5.x1
13.833	0.00	0.11	0.838	o					5.x0
13.91x	0.00	0.11	0.83x	o					5.x0
14.000	0.00	0.11	0.83x	o					5.x0
14.083	0.00	0.11	0.836	o					5.x0
14.16x	0.00	0.11	0.835	o					5.69
14.250	0.00	0.11	0.834	o					5.69
14.333	0.00	0.11	0.834	o					5.69
14.41x	0.00	0.11	0.833	o					5.68
14.500	0.00	0.11	0.832	o					5.68
14.583	0.00	0.11	0.831	o					5.68
14.66x	0.00	0.11	0.831	o					5.6x
14.x50	0.00	0.11	0.830	o					5.6x
14.833	0.00	0.10	0.829	o					5.6x
14.91x	0.00	0.10	0.828	o					5.6x
15.000	0.00	0.10	0.828	o					5.66
15.083	0.00	0.10	0.82x	o					5.66
15.16x	0.00	0.10	0.826	o					5.66
15.250	0.00	0.10	0.826	o					5.65
15.333	0.00	0.10	0.825	o					5.65
15.41x	0.00	0.10	0.824	o					5.65
15.500	0.00	0.10	0.823	o					5.65
15.583	0.00	0.10	0.823	o					5.64
15.66x	0.00	0.10	0.822	o					5.64
15.x50	0.00	0.10	0.821	o					5.64
15.833	0.00	0.10	0.821	o					5.63

Remaining Water in basin = 0.82 (Ac.Ft)

*****HYDROGRAPH DATA*****

Number of intervals = 190
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 0.159 (CFS)
Total volume = 0.113 (Ac.Ft)
Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

1.583	0.22	0.00	0.026	0	I					0.42
1.66	0.22	0.00	0.028	0	I					0.44
1.50	0.22	0.00	0.029	0	I					0.4
1.833	0.25	0.00	0.031	0	I					0.49
1.91	0.28	0.00	0.033	0	I					0.52
2.000	0.28	0.00	0.035	0	I					0.55
2.083	0.29	0.00	0.03	0	I					0.58
2.16	0.29	0.00	0.039	0	I					0.61
2.250	0.29	0.00	0.041	0	I					0.65
2.333	0.29	0.00	0.043	0	I					0.68
2.41	0.29	0.00	0.045	0	I					0.1
2.500	0.29	0.00	0.04	0	I					0.4
2.583	0.32	0.00	0.049	0	I					0.1
2.66	0.35	0.00	0.051	0	I					0.81
2.50	0.36	0.00	0.053	0	I					0.85
2.833	0.36	0.00	0.056	0	I					0.89
2.91	0.36	0.00	0.058	0	I					0.93
3.000	0.36	0.00	0.061	0	I					0.96
3.083	0.36	0.00	0.063	0	I					1.00
3.16	0.36	0.00	0.066	0	I					1.04
3.250	0.36	0.00	0.068	0	I					1.08
3.333	0.36	0.00	0.01	0	I					1.12
3.41	0.36	0.00	0.03	0	I					1.16
3.500	0.36	0.00	0.06	0	I					1.20
3.583	0.36	0.00	0.08	0	I					1.24
3.66	0.36	0.00	0.081	0	I					1.28
3.50	0.36	0.00	0.083	0	I					1.32
3.833	0.39	0.00	0.086	0	I					1.36
3.91	0.42	0.00	0.088	0	I					1.41
4.000	0.43	0.00	0.091	0	I					1.46
4.083	0.43	0.00	0.094	0	I					1.50
4.16	0.43	0.00	0.09	0	I					1.55
4.250	0.43	0.00	0.100	0	I					1.60
4.333	0.46	0.00	0.103	0	I					1.65
4.41	0.49	0.00	0.10	0	I					1.0
4.500	0.50	0.00	0.110	0	I					1.6
4.583	0.50	0.00	0.113	0	I					1.81
4.66	0.50	0.00	0.11	0	I					1.8
4.50	0.50	0.00	0.120	0	I					1.92
4.833	0.54	0.00	0.124	0	I					1.98
4.91	0.5	0.00	0.128	0	I					2.02
5.000	0.5	0.00	0.132	0	I					2.04
5.083	0.51	0.00	0.135	0	I					2.06
5.16	0.45	0.00	0.139	0	I					2.08
5.250	0.44	0.00	0.142	0	I					2.10
5.333	0.46	0.00	0.145	0	I					2.12
5.41	0.49	0.00	0.148	0	I					2.14
5.500	0.50	0.00	0.151	0	I					2.14
5.583	0.54	0.00	0.155	0	I					2.16
5.66	0.5	0.00	0.159	0	I					2.18
5.50	0.5	0.00	0.163	0	I					2.20
5.833	0.5	0.00	0.166	0	I					2.22
5.91	0.5	0.00	0.10	0	I					2.25
6.000	0.5	0.00	0.14	0	I					2.2
6.083	0.61	0.00	0.18	0	I					2.29
6.16	0.64	0.00	0.183	0	I					2.32
6.250	0.64	0.00	0.18	0	I					2.34
6.333	0.65	0.00	0.192	0	I					2.3
6.41	0.65	0.00	0.196	0	I					2.40
6.500	0.65	0.00	0.200	0	I					2.42
6.583	0.68	0.00	0.205	0	I					2.45
6.66	0.1	0.00	0.210	0	I					2.48
6.50	0.2	0.00	0.215	0	I					2.50
6.833	0.2	0.00	0.220	0	I					2.53
6.91	0.2	0.00	0.224	0	I					2.56
7.000	0.2	0.00	0.229	0	I					2.59
7.083	0.2	0.00	0.234	0	I					2.62
7.16	0.2	0.00	0.239	0	I					2.65
7.250	0.2	0.00	0.244	0	I					2.68
7.333	0.5	0.00	0.249	0	I					2.1
7.41	0.8	0.00	0.255	0	I					2.4
7.500	0.9	0.00	0.260	0	I					2.
7.583	0.82	0.00	0.265	0	I					2.80
7.66	0.85	0.00	0.21	0	I					2.84
7.50	0.86	0.00	0.2	0	I					2.8
7.833	0.90	0.00	0.283	0	I					2.91
7.91	0.93	0.00	0.289	0	I					2.94
8.000	0.93	0.00	0.296	0	I					2.98
8.083	1.00	0.00	0.302	0	I					3.02
8.16	1.06	0.00	0.309	0	I					3.06
8.250	1.0	0.00	0.31	0	I					3.10
8.333	1.08	0.00	0.324	0	I					3.14
8.41	1.08	0.00	0.332	0	I					3.19
8.500	1.08	0.00	0.339	0	I					3.23
8.583	1.11	0.00	0.346	0	I					3.28
8.66	1.14	0.00	0.354	0	I					3.32
8.50	1.15	0.00	0.362	0	I					3.3
										3.42

South Basin 10yr24hr

Page 2 of 8

8.833	1.18	0.00	0.3.0	o	I					3.46
8.91	1.21	0.00	0.3.8	o	I					3.51
9.000	1.22	0.00	0.38	o	I					3.56
9.083	1.29	0.00	0.395	o	I					3.62
9.16	1.35	0.00	0.404	o	I					3.6
9.250	1.36	0.00	0.414	o	I					3.3
9.333	1.40	0.00	0.423	o	I					3.8
9.41	1.43	0.00	0.433	o	I					3.84
9.500	1.43	0.00	0.443	o	I					3.90
9.583	1.4	0.00	0.452	o	I					3.96
9.66	1.50	0.01	0.463	o	I					4.02
9.50	1.51	0.01	0.4.3	o	I					4.0
9.833	1.54	0.01	0.483	o	I					4.12
9.91	1.5	0.01	0.494	o	I					4.1
10.000	1.58	0.01	0.505	o	I					4.22
10.083	1.35	0.01	0.515	o	I					4.2
10.16	1.14	0.01	0.524	o	I					4.31
10.250	1.09	0.01	0.531	o	I					4.35
10.333	1.08	0.01	0.539	o	I					4.39
10.41	1.08	0.01	0.546	o	I					4.42
10.500	1.08	0.01	0.553	o	I					4.46
10.583	1.24	0.01	0.561	o	I					4.50
10.66	1.40	0.01	0.5.0	o	I					4.54
10.50	1.42	0.01	0.580	o	I					4.59
10.833	1.44	0.01	0.590	o	I					4.64
10.91	1.44	0.01	0.600	o	I					4.69
11.000	1.44	0.01	0.610	o	I					4.3
11.083	1.40	0.01	0.619	o	I					4.8
11.16	1.3	0.01	0.629	o	I					4.83
11.250	1.3	0.01	0.638	o	I					4.8
11.333	1.36	0.01	0.648	o	I					4.92
11.41	1.36	0.01	0.65	o	I					4.9
11.500	1.36	0.01	0.666	o	I					5.01
11.583	1.30	0.01	0.6.5	o	I					5.05
11.66	1.24	0.02	0.684	o	I					5.08
11.50	1.23	0.02	0.692	o	I					5.11
11.833	1.25	0.03	0.01	o	I					5.15
11.91	1.28	0.03	0.09	o	I					5.18
12.000	1.29	0.04	0.18	o	I					5.22
12.083	1.53	0.04	0.2	o	I					5.26
12.16	1.4	0.05	0.38	o	I					5.30
12.250	1.8	0.06	0.50	o	I					5.35
12.333	1.83	0.06	0.62	o	I					5.40
12.41	1.86	0.0	0.4	o	I					5.45
12.500	1.8	0.08	0.8	o	I					5.50
12.583	1.93	0.09	0.99	o	I					5.55
12.66	2.00	0.09	0.812	o	I					5.60
12.50	2.01	0.10	0.825	o	I					5.65
12.833	2.04	0.11	0.838	o	I					5.1
12.91	2.08	0.12	0.852	o	I					5.6
13.000	2.08	0.13	0.865	o	I					5.81
13.083	2.25	0.13	0.8.9	o	I					5.8
13.16	2.40	0.14	0.894	o	I					5.93
13.250	2.43	0.15	0.910	o	I					6.00
13.333	2.44	0.16	0.926	o	I					6.05
13.41	2.44	0.1	0.941	o	I					6.10
13.500	2.44	0.1	0.95	o	I					6.16
13.583	2.08	0.18	0.9.1	o	I					6.21
13.66	1.4	0.18	0.983	o	I					6.25
13.50	1.68	0.19	0.994	o	I					6.28
13.833	1.65	0.19	1.004	o	I					6.32
13.91	1.65	0.19	1.014	o	I					6.35
14.000	1.65	0.20	1.024	o	I					6.39
14.083	1.9	0.20	1.034	o	I					6.42
14.16	1.91	0.21	1.046	o	I					6.46
14.250	1.93	0.21	1.05	o	I					6.50
14.333	1.91	0.22	1.069	o	I					6.54
14.41	1.88	0.22	1.081	o	I					6.58
14.500	1.8	0.22	1.092	o	I					6.62
14.583	1.8	0.23	1.103	o	I					6.66
14.66	1.8	0.23	1.115	o	I					6.0
14.50	1.8	0.24	1.126	o	I					6.4
14.833	1.83	0.24	1.13	o	I					6.8
14.91	1.80	0.25	1.148	o	I					6.81
15.000	1.80	0.25	1.159	o	I					6.85
15.083	1.6	0.26	1.169	o	I					6.89
15.16	1.3	0.26	1.1.9	o	I					6.92
15.250	1.3	0.26	1.189	o	I					6.96
15.333	1.69	0.2	1.199	o	I					6.99
15.41	1.66	0.28	1.209	o	I					.02
15.500	1.65	0.29	1.219	o	I					.05
15.583	1.52	0.30	1.22	o	I					.08
15.66	1.40	0.32	1.235	o	I					.10
15.50	1.3	0.33	1.243	o	I					.12
15.833	1.36	0.34	1.250	o	I					.14
15.91	1.36	0.35	1.25	o	I					.16
16.000	1.36	0.36	1.264	o	I					.18

South Basin 10yr24hr

Page 3 of 8

16.083	0.8	0.36	1.269	O	I					..20
16.16	0.41	0.3	1.21	OI						..21
16.250	0.32	0.3	1.21	O						..21
16.333	0.29	0.3	1.20	IO						..20
16.41	0.29	0.3	1.20	IO						..20
16.500	0.29	0.36	1.269	IO						..20
16.583	0.25	0.36	1.269	IO						..20
16.66	0.22	0.36	1.268	I O						..20
16.50	0.22	0.36	1.26	I O						..19
16.833	0.22	0.36	1.266	I O						..19
16.91	0.22	0.36	1.265	I O						..19
1.000	0.22	0.36	1.264	I O						..18
1.083	0.28	0.36	1.263	IO						..18
1.16	0.34	0.36	1.263	O						..18
1.250	0.35	0.36	1.263	O						..18
1.333	0.36	0.36	1.263	O						..18
1.41	0.36	0.36	1.263	O						..18
1.500	0.36	0.36	1.263	O						..18
1.583	0.36	0.36	1.263	O						..18
1.66	0.36	0.36	1.263	O						..18
1.50	0.36	0.36	1.263	O						..18
1.833	0.33	0.36	1.263	O						..18
1.91	0.30	0.36	1.263	IO						..18
18.000	0.29	0.35	1.262	IO						..18
18.083	0.29	0.35	1.262	IO						..18
18.16	0.29	0.35	1.261	IO						..18
18.250	0.29	0.35	1.261	IO						..18
18.333	0.29	0.35	1.260	IO						..1
18.41	0.29	0.35	1.260	IO						..1
18.500	0.29	0.35	1.259	IO						..1
18.583	0.25	0.35	1.259	IO						..1
18.66	0.22	0.35	1.258	I O						..1
18.50	0.22	0.35	1.25	I O						..16
18.833	0.18	0.35	1.256	I O						..16
18.91	0.15	0.34	1.255	I O						..16
19.000	0.15	0.34	1.254	I O						..15
19.083	0.18	0.34	1.252	I O						..15
19.16	0.21	0.34	1.251	I O						..15
19.250	0.21	0.34	1.251	I O						..14
19.333	0.25	0.34	1.250	IO						..14
19.41	0.28	0.34	1.249	IO						..14
19.500	0.28	0.34	1.249	IO						..14
19.583	0.25	0.33	1.249	IO						..14
19.66	0.22	0.33	1.248	I O						..14
19.50	0.22	0.33	1.24	I O						..13
19.833	0.18	0.33	1.246	I O						..13
19.91	0.15	0.33	1.245	I O						..13
20.000	0.15	0.33	1.244	I O						..12
20.083	0.18	0.33	1.243	I O						..12
20.16	0.21	0.33	1.242	I O						..12
20.250	0.21	0.32	1.241	I O						..12
20.333	0.22	0.32	1.240	I O						..11
20.41	0.22	0.32	1.239	I O						..11
20.500	0.22	0.32	1.239	I O						..11
20.583	0.22	0.32	1.238	I O						..11
20.66	0.22	0.32	1.23	I O						..11
20.50	0.22	0.32	1.23	I O						..10
20.833	0.18	0.32	1.236	I O						..10
20.91	0.15	0.32	1.235	I O						..10
21.000	0.15	0.31	1.234	I O						..09
21.083	0.18	0.31	1.233	I O						..09
21.16	0.21	0.31	1.232	I O						..09
21.250	0.21	0.31	1.231	I O						..09
21.333	0.18	0.31	1.230	I O						..08
21.41	0.15	0.31	1.229	I O						..08
21.500	0.15	0.31	1.228	I O						..08
21.583	0.18	0.30	1.22	IO						..08
21.66	0.21	0.30	1.226	IO						..0
21.50	0.21	0.30	1.226	IO						..0
21.833	0.18	0.30	1.225	IO						..0
21.91	0.15	0.30	1.224	I O						..0
22.000	0.15	0.30	1.223	I O						..06
22.083	0.18	0.30	1.222	IO						..06
22.16	0.21	0.30	1.222	IO						..06
22.250	0.21	0.30	1.221	IO						..06
22.333	0.18	0.29	1.220	IO						..05
22.41	0.15	0.29	1.219	I O						..05
22.500	0.15	0.29	1.218	I O						..05
22.583	0.14	0.29	1.21	I O						..05
22.66	0.14	0.29	1.216	I O						..04
22.50	0.14	0.29	1.215	I O						..04
22.833	0.14	0.29	1.214	I O						..04
22.91	0.14	0.28	1.213	I O						..03
23.000	0.14	0.28	1.212	I O						..03
23.083	0.14	0.28	1.212	I O						..03
23.16	0.14	0.28	1.211	I O						..03
23.250	0.14	0.28	1.210	I O						..02

South Basin 10yr24hr

South Basin 10yr24hr

30.583	0.00	0.22	1.0_1	I O					6.55
30.66_	0.00	0.22	1.0_0	I O					6.55
30._50	0.00	0.22	1.068	I O					6.54
30.833	0.00	0.22	1.06_	I O					6.54
30.91_	0.00	0.21	1.065	I O					6.53
31.000	0.00	0.21	1.064	I O					6.53
31.083	0.00	0.21	1.062	I O					6.52
31.16_	0.00	0.21	1.061	I O					6.52
31.250	0.00	0.21	1.060	I O					6.51
31.333	0.00	0.21	1.058	I O					6.51
31.41_	0.00	0.21	1.05_	I O					6.50
31.500	0.00	0.21	1.055	I O					6.50
31.583	0.00	0.21	1.054	I O					6.49
31.66_	0.00	0.21	1.052	I O					6.49
31._50	0.00	0.21	1.051	I O					6.48
31.833	0.00	0.21	1.049	I O					6.48
31.91_	0.00	0.21	1.048	I O					6.4_
32.000	0.00	0.21	1.04_	I O					6.4_
32.083	0.00	0.21	1.045	I O					6.46
32.16_	0.00	0.21	1.044	I O					6.46
32.250	0.00	0.21	1.042	I O					6.45
32.333	0.00	0.20	1.041	I O					6.45
32.41_	0.00	0.20	1.039	I O					6.44
32.500	0.00	0.20	1.038	I O					6.44
32.583	0.00	0.20	1.03_	I O					6.43
32.66_	0.00	0.20	1.035	I O					6.43
32._50	0.00	0.20	1.034	I O					6.42
32.833	0.00	0.20	1.032	I O					6.42
32.91_	0.00	0.20	1.031	I O					6.41
33.000	0.00	0.20	1.030	I O					6.41
33.083	0.00	0.20	1.028	I O					6.40
33.16_	0.00	0.20	1.02_	I O					6.40
33.250	0.00	0.20	1.026	I O					6.39
33.333	0.00	0.20	1.024	I O					6.39
33.41_	0.00	0.20	1.023	I O					6.38
33.500	0.00	0.20	1.021	I O					6.38
33.583	0.00	0.20	1.020	I O					6.3_
33.66_	0.00	0.20	1.019	I O					6.3_
33._50	0.00	0.20	1.01_	I O					6.3_
33.833	0.00	0.20	1.016	I O					6.36
33.91_	0.00	0.19	1.015	I O					6.36
34.000	0.00	0.19	1.013	I O					6.35
34.083	0.00	0.19	1.012	I O					6.35
34.16_	0.00	0.19	1.011	I O					6.34
34.250	0.00	0.19	1.009	I O					6.34
34.333	0.00	0.19	1.008	I O					6.33
34.41_	0.00	0.19	1.00_	I O					6.33
34.500	0.00	0.19	1.005	I O					6.32
34.583	0.00	0.19	1.004	I O					6.32
34.66_	0.00	0.19	1.003	I O					6.32
34._50	0.00	0.19	1.001	I O					6.31
34.833	0.00	0.19	1.000	I O					6.31
34.91_	0.00	0.19	0.999	I O					6.30
35.000	0.00	0.19	0.998	I O					6.30
35.083	0.00	0.19	0.996	I O					6.29
35.16_	0.00	0.19	0.995	I O					6.29
35.250	0.00	0.19	0.994	I O					6.28
35.333	0.00	0.19	0.992	I O					6.28
35.41_	0.00	0.19	0.991	I O					6.28
35.500	0.00	0.18	0.990	I O					6.2_
35.583	0.00	0.18	0.989	I O					6.2_
35.66_	0.00	0.18	0.98_	I O					6.26
35._50	0.00	0.18	0.986	I O					6.26
35.833	0.00	0.18	0.985	I O					6.25
35.91_	0.00	0.18	0.984	I O					6.25
36.000	0.00	0.18	0.982	I O					6.25
36.083	0.00	0.18	0.981	I O					6.24
36.16_	0.00	0.18	0.980	I O					6.24
36.250	0.00	0.18	0.9_9	I O					6.23
36.333	0.00	0.18	0.9_	I O					6.23
36.41_	0.00	0.18	0.9_6	I O					6.22
36.500	0.00	0.18	0.9_5	I O					6.22
36.583	0.00	0.18	0.9_4	I O					6.22
36.66_	0.00	0.18	0.9_2	I O					6.21
36._50	0.00	0.18	0.9_1	I O					6.21
36.833	0.00	0.18	0.9_0	I O					6.20
36.91_	0.00	0.18	0.969	I O					6.20
3_.000	0.00	0.18	0.968	I O					6.19
3_.083	0.00	0.18	0.966	I O					6.19
3_.16_	0.00	0.18	0.965	I O					6.19
3_.250	0.00	0.1_	0.964	I O					6.18
3_.333	0.00	0.1_	0.963	I O					6.18
3_.41_	0.00	0.1_	0.961	I O					6.1_
3_.500	0.00	0.1_	0.960	I O					6.1_
3_.583	0.00	0.1_	0.959	I O					6.1_
3_.66_	0.00	0.1_	0.958	I O					6.16
3_._50	0.00	0.1_	0.95_	I O					6.16

South Basin 10yr24hr

Page 6 of 8

3_.833	0.00	0.1	0.956	I O					6.15
3_.91	0.00	0.1	0.954	I O					6.15
38.000	0.00	0.1	0.953	I O					6.14
38.083	0.00	0.1	0.952	I O					6.14
38.16	0.00	0.1	0.951	I O					6.14
38.250	0.00	0.1	0.950	I O					6.13
38.333	0.00	0.1	0.949	I O					6.13
38.41	0.00	0.1	0.94	I O					6.12
38.500	0.00	0.1	0.946	I O					6.12
38.583	0.00	0.1	0.945	I O					6.12
38.66	0.00	0.1	0.944	I O					6.11
38_.50	0.00	0.1	0.943	I O					6.11
38.833	0.00	0.1	0.942	I O					6.11
38.91	0.00	0.1	0.940	I O					6.10
39.000	0.00	0.1	0.939	I O					6.10
39.083	0.00	0.16	0.938	I O					6.09
39.16	0.00	0.16	0.93	I O					6.09
39.250	0.00	0.16	0.936	I O					6.09
39.333	0.00	0.16	0.935	I O					6.08
39.41	0.00	0.16	0.934	I O					6.08
39.500	0.00	0.16	0.933	I O					6.0
39.583	0.00	0.16	0.931	I O					6.0
39.66	0.00	0.16	0.930	I O					6.0
39_.50	0.00	0.16	0.929	I O					6.06
39.833	0.00	0.16	0.928	I O					6.06
39.91	0.00	0.16	0.92	I O					6.05
40.000	0.00	0.16	0.926	I O					6.05
40.083	0.00	0.16	0.925	I O					6.05
40.16	0.00	0.16	0.924	I O					6.04
40.250	0.00	0.16	0.923	I O					6.04
40.333	0.00	0.16	0.922	I O					6.04
40.41	0.00	0.16	0.920	I O					6.03
40.500	0.00	0.16	0.919	I O					6.03
40.583	0.00	0.16	0.918	I O					6.02
40.66	0.00	0.16	0.91	I O					6.02
40_.50	0.00	0.16	0.916	I O					6.02
40.833	0.00	0.16	0.915	I O					6.01
40.91	0.00	0.16	0.914	I O					6.01
41.000	0.00	0.15	0.913	I O					6.01
41.083	0.00	0.15	0.912	I O					6.00
41.16	0.00	0.15	0.911	I O					6.00
41.250	0.00	0.15	0.910	I O					5.99
41.333	0.00	0.15	0.909	IO					5.99
41.41	0.00	0.15	0.908	IO					5.99
41.500	0.00	0.15	0.90	IO					5.98
41.583	0.00	0.15	0.906	IO					5.98
41.66	0.00	0.15	0.904	IO					5.9
41_.50	0.00	0.15	0.903	IO					5.9
41.833	0.00	0.15	0.902	IO					5.9
41.91	0.00	0.15	0.901	IO					5.96
42.000	0.00	0.15	0.900	IO					5.96
42.083	0.00	0.15	0.899	IO					5.95
42.16	0.00	0.15	0.898	IO					5.95
42.250	0.00	0.15	0.89	IO					5.94
42.333	0.00	0.15	0.896	IO					5.94
42.41	0.00	0.14	0.895	IO					5.94
42.500	0.00	0.14	0.894	IO					5.93
42.583	0.00	0.14	0.893	IO					5.93
42.66	0.00	0.14	0.892	IO					5.92
42_.50	0.00	0.14	0.891	IO					5.92
42.833	0.00	0.14	0.890	IO					5.92
42.91	0.00	0.14	0.889	IO					5.91
43.000	0.00	0.14	0.888	IO					5.91
43.083	0.00	0.14	0.888	IO					5.90
43.16	0.00	0.14	0.88	IO					5.90
43.250	0.00	0.14	0.886	IO					5.90
43.333	0.00	0.14	0.885	IO					5.89
43.41	0.00	0.14	0.884	IO					5.89
43.500	0.00	0.14	0.883	IO					5.89
43.583	0.00	0.14	0.882	IO					5.88
43.66	0.00	0.14	0.881	IO					5.88
43_.50	0.00	0.14	0.880	IO					5.8
43.833	0.00	0.13	0.8_9	IO					5.8
43.91	0.00	0.13	0.8_8	IO					5.8
44.000	0.00	0.13	0.8	IO					5.86
44.083	0.00	0.13	0.8_6	IO					5.86
44.16	0.00	0.13	0.8_5	IO					5.86
44.250	0.00	0.13	0.8_4	IO					5.85
44.333	0.00	0.13	0.8_3	IO					5.85
44.41	0.00	0.13	0.8_3	IO					5.84
44.500	0.00	0.13	0.8_2	IO					5.84
44.583	0.00	0.13	0.8_1	IO					5.84
44.66	0.00	0.13	0.8_0	IO					5.83
44_.50	0.00	0.13	0.869	IO					5.83
44.833	0.00	0.13	0.868	IO					5.83
44.91	0.00	0.13	0.86	IO					5.82
45.000	0.00	0.13	0.866	IO					5.82

South Basin 10yr24hr

Page 7 of 8

45.083	0.00	0.13	0.865	IO					5.82
45.16	0.00	0.13	0.865	IO					5.81
45.250	0.00	0.13	0.864	IO					5.81
45.333	0.00	0.13	0.863	IO					5.81
45.41	0.00	0.12	0.862	IO					5.80
45.500	0.00	0.12	0.861	IO					5.80
45.583	0.00	0.12	0.860	IO					5.79
45.66	0.00	0.12	0.859	IO					5.79
45.750	0.00	0.12	0.859	IO					5.79
45.833	0.00	0.12	0.858	IO					5.78
45.91	0.00	0.12	0.85	IO					5.78
46.000	0.00	0.12	0.856	IO					5.78
46.083	0.00	0.12	0.855	IO					5.77
46.16	0.00	0.12	0.854	IO					5.77
46.250	0.00	0.12	0.854	IO					5.77
46.333	0.00	0.12	0.853	IO					5.76
46.41	0.00	0.12	0.852	IO					5.76
46.500	0.00	0.12	0.851	IO					5.76
46.583	0.00	0.12	0.850	IO					5.75
46.66	0.00	0.12	0.850	IO					5.75
46.750	0.00	0.12	0.849	IO					5.75
46.833	0.00	0.12	0.848	IO					5.74
46.91	0.00	0.12	0.84	IO					5.74
47.000	0.00	0.12	0.846	IO					5.74
47.083	0.00	0.11	0.846	IO					5.74
47.16	0.00	0.11	0.845	IO					5.73
47.250	0.00	0.11	0.844	IO					5.73
47.333	0.00	0.11	0.843	IO					5.73
47.41	0.00	0.11	0.842	IO					5.72
47.500	0.00	0.11	0.842	IO					5.72
47.583	0.00	0.11	0.841	IO					5.72
47.66	0.00	0.11	0.840	IO					5.71
47.750	0.00	0.11	0.839	IO					5.71
47.833	0.00	0.11	0.839	IO					5.71
47.91	0.00	0.11	0.838	IO					5.70
48.000	0.00	0.11	0.83	IO					5.70
48.083	0.00	0.11	0.836	IO					5.70
48.16	0.00	0.11	0.836	IO					5.69
48.250	0.00	0.11	0.835	IO					5.69
48.333	0.00	0.11	0.834	IO					5.69
48.41	0.00	0.11	0.833	IO					5.69
48.500	0.00	0.11	0.833	IO					5.68
48.583	0.00	0.11	0.832	IO					5.68
48.66	0.00	0.11	0.831	IO					5.68
48.750	0.00	0.11	0.830	IO					5.67
48.833	0.00	0.11	0.830	IO					5.67
48.91	0.00	0.10	0.829	IO					5.67
49.000	0.00	0.10	0.828	IO					5.66
49.083	0.00	0.10	0.82	IO					5.66
49.16	0.00	0.10	0.82	IO					5.66
49.250	0.00	0.10	0.826	IO					5.66
49.333	0.00	0.10	0.825	IO					5.65
49.41	0.00	0.10	0.825	IO					5.65
49.500	0.00	0.10	0.824	IO					5.65
49.583	0.00	0.10	0.823	IO					5.64
49.66	0.00	0.10	0.823	IO					5.64
49.750	0.00	0.10	0.822	IO					5.64
49.833	0.00	0.10	0.821	IO					5.64
49.91	0.00	0.10	0.820	IO					5.63

Remaining water in basin = 0.82 (Ac.Ft)

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*****HYDROGRAPH DATA*****
      Number of intervals = 599
      Time interval = 5.0 (Min.)
      Maximum/Peak flow rate = 0.36_ (CFS)
      Total volume = 0.664 (Ac.Ft)
      Status of hydrographs being held in storage
      Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
      Peak (CFS) 0.000 0.000 0.000 0.000 0.000
      Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000
*****

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Program License Serial Number 5006

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***** From study/file name: prol1001100.rte *****
***** DATA *****
Number of intervals = 15
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 26.002 (CFS)
Total volume = 0.813 (Ac.Ft)
Status of hydrographs being held in storage
      Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS)      0.000      0.000      0.000      0.000      0.000
Vol (Ac.Ft)     0.000      0.000      0.000      0.000      0.000
*****

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[illegible]

Total number of inflow hydrograph intervals = 15
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

```
Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)
```

Depth vs. Storage +asin Depth (Ft.)	Age and Storage (Ac.Ft)	Depth Outflow (CFS)	Discharge data. (S=0*dt/2) (Ac.Ft)	(S70*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.063	0.001	0.063	0.063
2.000	0.125	0.002	0.125	0.125
3.000	0.293	0.003	0.293	0.293
4.000	0.459	0.005	0.459	0.459
5.000	0.664	0.006	0.664	0.664
6.000	0.911	0.154	0.910	0.912
- 0.000	1.202	0.268	1.201	1.203
- .850	1.48_	0.6_8	1.485	1.489
8.200	1.96	22.862	1.9_	1.8_5

Hydrograph Detention +asin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	outflow (CFS)	Storage (Ac.Ft)							Depth (Ft.)	
0.083	1.81	0.00	0.006	0	I		6.5	13.00	19.50	26.00	0.10
0.16	3.52	0.00	0.025	0		I					0.39
0.250	4.3	0.00	0.052	0		I					0.82
0.333	4.93	0.00	0.084	0		I					1.34
0.41	5.55	0.00	0.120	0		I					1.92
0.500	6.53	0.00	0.162	0		I					2.22
0.583	.65	0.00	0.210	0		I					2.51
0.66	9.11	0.00	0.268	0			I				2.85
0.50	12.43	0.00	0.342	0				I			3.30
0.833	26.00	0.01	0.4	0						I	4.08
0.91	21.83	0.01	0.639	0					I		4.88
1.000	9.30	0.06	0.46	0			I				5.33
1.083	4.10	0.08	0.92	0	I						5.52
1.16	0.6	0.09	0.808	0							5.58
1.250	0.1	0.09	0.810	0							5.59
1.333	0.00	0.09	0.810	0							5.59

Remaining water in basin = 0.81 (Ac.Ft)

*****HYDROGRAPH DATA*****

Number of intervals = 16
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 0.093 (CFS)
Total volume = 0.003 (Ac.Ft)
Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

1.583	3.66	0.00	0.310	O	I					3.10
1.66	3.4	0.00	0.336	O	I					3.26
1.50	4.60	0.00	0.364	O		I				3.43
1.833	4.99	0.00	0.39	O		I				3.63
1.91	4.2	0.00	0.431	O		I				3.83
2.000	4.64	0.01	0.463	O		I				4.02
2.083	4.9	0.01	0.495	O		I				4.18
2.16	6.05	0.01	0.533	O			I			4.36
2.250	.9	0.01	0.581	O				I		4.59
2.333	.36	0.01	0.634	O				I		4.85
2.41	9.63	0.02	0.692	O					I	5.11
2.500	13.10	0.0	0.7	O					I	5.43
2.583	15.01	0.13	0.866	O						5.82
2.66	13.80	0.1	0.964	O					I	6.18
2.50	.89	0.20	1.038	O				I		6.44
2.833	3.84	0.22	1.0	O		I				6.5
2.91	2.85	0.23	1.098	O		I				6.64
3.000	1.6	0.23	1.112	O	I					6.69
3.083	0.65	0.24	1.119	O	I					6.2
3.16	0.15	0.24	1.120	O						6.2
3.250	0.03	0.24	1.119	O						6.2
3.333	0.00	0.23	1.118	O						6.1
3.41	0.00	0.23	1.116	O						6.0
3.500	0.00	0.23	1.115	O						6.0
3.583	0.00	0.23	1.113	O						6.69
3.66	0.00	0.23	1.111	O						6.69
3.50	0.00	0.23	1.110	O						6.68
3.833	0.00	0.23	1.108	O						6.68
3.91	0.00	0.23	1.10	O						6.6
4.000	0.00	0.23	1.105	O						6.6
4.083	0.00	0.23	1.103	O						6.66
4.16	0.00	0.23	1.102	O						6.66
4.250	0.00	0.23	1.100	O						6.65
4.333	0.00	0.23	1.099	O						6.64
4.41	0.00	0.23	1.09	O						6.64
4.500	0.00	0.23	1.096	O						6.63
4.583	0.00	0.23	1.094	O						6.63
4.66	0.00	0.23	1.092	O						6.62
4.50	0.00	0.22	1.091	O						6.62
4.833	0.00	0.22	1.089	O						6.61
4.91	0.00	0.22	1.088	O						6.61
5.000	0.00	0.22	1.086	O						6.60
5.083	0.00	0.22	1.085	O						6.60
5.16	0.00	0.22	1.083	O						6.59
5.250	0.00	0.22	1.082	O						6.59
5.333	0.00	0.22	1.080	O						6.58
5.41	0.00	0.22	1.09	O						6.58
5.500	0.00	0.22	1.0	O						6.5
5.583	0.00	0.22	1.06	O						6.5
5.66	0.00	0.22	1.04	O						6.56
5.50	0.00	0.22	1.03	O						6.56
5.833	0.00	0.22	1.01	O						6.55
5.91	0.00	0.22	1.00	O						6.55
6.000	0.00	0.22	1.068	O						6.54
6.083	0.00	0.21	1.06	O						6.53
6.16	0.00	0.21	1.065	O						6.53
6.250	0.00	0.21	1.064	O						6.52
6.333	0.00	0.21	1.062	O						6.52
6.41	0.00	0.21	1.061	O						6.51
6.500	0.00	0.21	1.059	O						6.51
6.583	0.00	0.21	1.058	O						6.50
6.66	0.00	0.21	1.056	O						6.50
6.50	0.00	0.21	1.055	O						6.49
6.833	0.00	0.21	1.053	O						6.49
6.91	0.00	0.21	1.052	O						6.48
.000	0.00	0.21	1.051	O						6.48
.083	0.00	0.21	1.049	O						6.4
.16	0.00	0.21	1.048	O						6.4
.250	0.00	0.21	1.046	O						6.46
.333	0.00	0.21	1.045	O						6.46
.41	0.00	0.21	1.043	O						6.46
.500	0.00	0.21	1.042	O						6.45
.583	0.00	0.20	1.041	O						6.45
.66	0.00	0.20	1.039	O						6.44
.50	0.00	0.20	1.038	O						6.44
.833	0.00	0.20	1.036	O						6.43
.91	0.00	0.20	1.035	O						6.43
8.000	0.00	0.20	1.034	O						6.42
8.083	0.00	0.20	1.032	O						6.42
8.16	0.00	0.20	1.031	O						6.41
8.250	0.00	0.20	1.029	O						6.41
8.333	0.00	0.20	1.028	O						6.40
8.41	0.00	0.20	1.02	O						6.40
8.500	0.00	0.20	1.025	O						6.39
8.583	0.00	0.20	1.024	O						6.39
8.66	0.00	0.20	1.023	O						6.38
8.50	0.00	0.20	1.021	O						6.38

South Basin 100yr3hr

Page 2 of 5

8.833	0.00	0.20	1.020	o					6.3
8.91	0.00	0.20	1.019	o					6.3
9.000	0.00	0.20	1.01	o					6.36
9.083	0.00	0.20	1.016	o					6.36
9.16	0.00	0.19	1.015	o					6.36
9.250	0.00	0.19	1.013	o					6.35
9.333	0.00	0.19	1.012	o					6.35
9.41	0.00	0.19	1.011	o					6.34
9.500	0.00	0.19	1.009	o					6.34
9.583	0.00	0.19	1.008	o					6.33
9.66	0.00	0.19	1.00	o					6.33
9.50	0.00	0.19	1.005	o					6.32
9.833	0.00	0.19	1.004	o					6.32
9.91	0.00	0.19	1.003	o					6.31
10.000	0.00	0.19	1.001	o					6.31
10.083	0.00	0.19	1.000	o					6.31
10.16	0.00	0.19	0.999	o					6.30
10.250	0.00	0.19	0.99	o					6.30
10.333	0.00	0.19	0.996	o					6.29
10.41	0.00	0.19	0.995	o					6.29
10.500	0.00	0.19	0.994	o					6.28
10.583	0.00	0.19	0.992	o					6.28
10.66	0.00	0.19	0.991	o					6.2
10.50	0.00	0.18	0.990	o					6.2
10.833	0.00	0.18	0.988	o					6.2
10.91	0.00	0.18	0.98	o					6.26
11.000	0.00	0.18	0.986	o					6.26
11.083	0.00	0.18	0.985	o					6.25
11.16	0.00	0.18	0.983	o					6.25
11.250	0.00	0.18	0.982	o					6.24
11.333	0.00	0.18	0.981	o					6.24
11.41	0.00	0.18	0.980	o					6.24
11.500	0.00	0.18	0.98	o					6.23
11.583	0.00	0.18	0.9	o					6.23
11.66	0.00	0.18	0.96	o					6.22
11.50	0.00	0.18	0.95	o					6.22
11.833	0.00	0.18	0.93	o					6.21
11.91	0.00	0.18	0.92	o					6.21
12.000	0.00	0.18	0.91	o					6.21
12.083	0.00	0.18	0.90	o					6.20
12.16	0.00	0.18	0.969	o					6.20
12.250	0.00	0.18	0.96	o					6.19
12.333	0.00	0.18	0.966	o					6.19
12.41	0.00	0.18	0.965	o					6.19
12.500	0.00	0.1	0.964	o					6.18
12.583	0.00	0.1	0.963	o					6.18
12.66	0.00	0.1	0.961	o					6.1
12.50	0.00	0.1	0.960	o					6.1
12.833	0.00	0.1	0.959	o					6.16
12.91	0.00	0.1	0.958	o					6.16
13.000	0.00	0.1	0.95	o					6.16
13.083	0.00	0.1	0.955	o					6.15
13.16	0.00	0.1	0.954	o					6.15
13.250	0.00	0.1	0.953	o					6.14
13.333	0.00	0.1	0.952	o					6.14
13.41	0.00	0.1	0.951	o					6.14
13.500	0.00	0.1	0.950	o					6.13
13.583	0.00	0.1	0.948	o					6.13
13.66	0.00	0.1	0.94	o					6.12
13.50	0.00	0.1	0.946	o					6.12
13.833	0.00	0.1	0.945	o					6.12
13.91	0.00	0.1	0.944	o					6.11
14.000	0.00	0.1	0.943	o					6.11
14.083	0.00	0.1	0.941	o					6.10
14.16	0.00	0.1	0.940	o					6.10
14.250	0.00	0.1	0.939	o					6.10
14.333	0.00	0.16	0.938	o					6.09
14.41	0.00	0.16	0.93	o					6.09
14.500	0.00	0.16	0.936	o					6.09
14.583	0.00	0.16	0.935	o					6.08
14.66	0.00	0.16	0.934	o					6.08
14.50	0.00	0.16	0.932	o					6.0
14.833	0.00	0.16	0.931	o					6.0
14.91	0.00	0.16	0.930	o					6.0
15.000	0.00	0.16	0.929	o					6.06
15.083	0.00	0.16	0.928	o					6.06
15.16	0.00	0.16	0.92	o					6.05
15.250	0.00	0.16	0.926	o					6.05
15.333	0.00	0.16	0.925	o					6.05
15.41	0.00	0.16	0.924	o					6.04
15.500	0.00	0.16	0.922	o					6.04
15.583	0.00	0.16	0.921	o					6.04
15.66	0.00	0.16	0.920	o					6.03
15.50	0.00	0.16	0.919	o					6.03
15.833	0.00	0.16	0.918	o					6.02
15.91	0.00	0.16	0.91	o					6.02
16.000	0.00	0.16	0.916	o					6.02

South Basin 100yr3hr

Page 3 of 5

16.083	0.00	0.16	0.915	o					6.01
16.16	0.00	0.16	0.914	o					6.01
16.250	0.00	0.15	0.913	o					6.01
16.333	0.00	0.15	0.912	o					6.00
16.41	0.00	0.15	0.911	o					6.00
16.500	0.00	0.15	0.910	o					5.99
16.583	0.00	0.15	0.909	o					5.99
16.66	0.00	0.15	0.90	o					5.99
16.50	0.00	0.15	0.906	o					5.98
16.833	0.00	0.15	0.905	o					5.98
16.91	0.00	0.15	0.904	o					5.9
1.000	0.00	0.15	0.903	o					5.9
1.083	0.00	0.15	0.902	o					5.96
1.16	0.00	0.15	0.901	o					5.96
1.250	0.00	0.15	0.900	o					5.96
1.333	0.00	0.15	0.899	o					5.95
1.41	0.00	0.15	0.898	o					5.95
1.500	0.00	0.15	0.89	o					5.94
1.583	0.00	0.15	0.896	o					5.94
1.66	0.00	0.14	0.895	o					5.94
1.50	0.00	0.14	0.894	o					5.93
1.833	0.00	0.14	0.893	o					5.93
1.91	0.00	0.14	0.892	o					5.92
18.000	0.00	0.14	0.891	o					5.92
18.083	0.00	0.14	0.890	o					5.92
18.16	0.00	0.14	0.889	o					5.91
18.250	0.00	0.14	0.888	o					5.91
18.333	0.00	0.14	0.88	o					5.90
18.41	0.00	0.14	0.886	o					5.90
18.500	0.00	0.14	0.885	o					5.90
18.583	0.00	0.14	0.885	o					5.89
18.66	0.00	0.14	0.884	o					5.89
18.50	0.00	0.14	0.883	o					5.89
18.833	0.00	0.14	0.882	o					5.88
18.91	0.00	0.14	0.881	o					5.88
19.000	0.00	0.14	0.880	o					5.8
19.083	0.00	0.13	0.89	o					5.8
19.16	0.00	0.13	0.88	o					5.8
19.250	0.00	0.13	0.8	o					5.86
19.333	0.00	0.13	0.86	o					5.86
19.41	0.00	0.13	0.85	o					5.86
19.500	0.00	0.13	0.84	o					5.85
19.583	0.00	0.13	0.83	o					5.85
19.66	0.00	0.13	0.82	o					5.84
19.50	0.00	0.13	0.82	o					5.84
19.833	0.00	0.13	0.81	o					5.84
19.91	0.00	0.13	0.80	o					5.83
20.000	0.00	0.13	0.869	o					5.83
20.083	0.00	0.13	0.868	o					5.83
20.16	0.00	0.13	0.86	o					5.82
20.250	0.00	0.13	0.866	o					5.82
20.333	0.00	0.13	0.865	o					5.82
20.41	0.00	0.13	0.864	o					5.81
20.500	0.00	0.13	0.864	o					5.81
20.583	0.00	0.13	0.863	o					5.80
20.66	0.00	0.12	0.862	o					5.80
20.50	0.00	0.12	0.861	o					5.80
20.833	0.00	0.12	0.860	o					5.9
20.91	0.00	0.12	0.859	o					5.9
21.000	0.00	0.12	0.859	o					5.9
21.083	0.00	0.12	0.858	o					5.8
21.16	0.00	0.12	0.85	o					5.8
21.250	0.00	0.12	0.856	o					5.8
21.333	0.00	0.12	0.855	o					5.8
21.41	0.00	0.12	0.854	o					5.8
21.500	0.00	0.12	0.854	o					5.8
21.583	0.00	0.12	0.853	o					5.8
21.66	0.00	0.12	0.852	o					5.8
21.50	0.00	0.12	0.851	o					5.8
21.833	0.00	0.12	0.850	o					5.8
21.91	0.00	0.12	0.849	o					5.8
22.000	0.00	0.12	0.849	o					5.8
22.083	0.00	0.12	0.848	o					5.8
22.16	0.00	0.12	0.84	o					5.8
22.250	0.00	0.12	0.846	o					5.8
22.333	0.00	0.11	0.845	o					5.8
22.41	0.00	0.11	0.845	o					5.8
22.500	0.00	0.11	0.844	o					5.8
22.583	0.00	0.11	0.843	o					5.8
22.66	0.00	0.11	0.842	o					5.8
22.50	0.00	0.11	0.842	o					5.8
22.833	0.00	0.11	0.841	o					5.8
22.91	0.00	0.11	0.840	o					5.8
23.000	0.00	0.11	0.839	o					5.8
23.083	0.00	0.11	0.838	o					5.8
23.16	0.00	0.11	0.838	o					5.8
23.250	0.00	0.11	0.83	o					5.8

South Basin 100yr3hr

Page 4 of 5

23.333	0.00	0.11	0.836	0					5.0
23.41	0.00	0.11	0.835	0					5.69
23.500	0.00	0.11	0.835	0					5.69
23.583	0.00	0.11	0.834	0					5.69
23.66	0.00	0.11	0.833	0					5.69
23.750	0.00	0.11	0.832	0					5.68
23.833	0.00	0.11	0.832	0					5.68
23.91	0.00	0.11	0.831	0					5.68
24.000	0.00	0.11	0.830	0					5.6
24.083	0.00	0.11	0.830	0					5.6
24.16	0.00	0.10	0.829	0					5.6
24.250	0.00	0.10	0.828	0					5.66
24.333	0.00	0.10	0.82	0					5.66
24.41	0.00	0.10	0.82	0					5.66
24.500	0.00	0.10	0.826	0					5.66
24.583	0.00	0.10	0.825	0					5.65
24.66	0.00	0.10	0.825	0					5.65
24.750	0.00	0.10	0.824	0					5.65
24.833	0.00	0.10	0.823	0					5.64
24.91	0.00	0.10	0.822	0					5.64
25.000	0.00	0.10	0.822	0					5.64
25.083	0.00	0.10	0.821	0					5.64
25.16	0.00	0.10	0.820	0					5.63

Remaining water in basin = 0.82 (Ac.Ft)

*****HYDROGRAPH DATA*****

Number of intervals = 302
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 0.236 (CFS)
Total volume = 0.313 (Ac.Ft)
Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

Program License Serial Number 5006

***** HYDROGRAPH INFORMATION *****

From study/file name: pro11006100.rte
 *****HYDROGRAPH DATA*****
 Number of intervals = x5
 Time interval = 5.0 (Min.)
 Makimum/Peaw flo7 rate = 12.965 (CFS)
 Total volume = 1.415 (Ac.Ft)
 Status of hydrographs being held in storage
 Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
 Peaw (CFS) 0.000 0.000 0.000 0.000 0.000
 Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
 Process from Point/Station 1.000 to Point/Station 2.000
 **** RETARDING BASIN ROUTING ****

 User entry of depth-outflo7-storage data

 Total number of inflo7 hydrograph intervals = x5
 Hydrograph time unit = 5.000 (Min.)
 Initial depth in storage basin = 0.00(Ft.)

 Initial basin depth = 0.00 (Ft.)
 Initial basin storage = 0.00 (Ac.Ft)
 Initial basin outflo7 = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	outflo7 (CFS)	(S-o*dt/2) (Ac.Ft)	(S+o*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.063	0.001	0.063	0.063
2.000	0.125	0.002	0.125	0.125
3.000	0.293	0.003	0.293	0.293
4.000	0.459	0.005	0.459	0.459
5.000	0.664	0.006	0.664	0.664
6.000	0.911	0.154	0.910	0.912
x.000	1.202	0.268	1.201	1.203
x.850	1.48x	0.6x8	1.485	1.489
8.200	1.x96	22.862	1.x1x	1.8x5

 Hydrograph Detention Basin Routing

 Graph values: 'I'= unit inflo7; 'O'=outflo7 at time sho7n

Time (Hours)	Inflo7 (CFS)	outflo7 (CFS)	Storage (Ac.Ft)	.0	3.2	6.48	9.x2	12.96	Depth (Ft.)
0.083	0.43	0.00	0.001	O I					0.02
0.16x	0.90	0.00	0.006	O I					0.10
0.250	1.06	0.00	0.013	O I					0.20
0.333	1.10	0.00	0.020	O I					0.32
0.41x	1.11	0.00	0.028	O I					0.44
0.500	1.20	0.00	0.036	O I					0.5x
0.583	1.2x	0.00	0.044	O I					0.x0
0.66x	1.29	0.00	0.053	O I					0.84
0.x50	1.30	0.00	0.062	O I					0.99
0.833	1.30	0.00	0.0x1	O I					1.13
0.91x	1.30	0.00	0.080	O I					1.2x
1.000	1.38	0.00	0.089	O I					1.42
1.083	1.46	0.00	0.099	O I					1.58
1.16x	1.4x	0.00	0.109	O I					1.x4
1.250	1.48	0.00	0.119	O I					1.91
1.333	1.48	0.00	0.129	O I					2.03
1.41x	1.48	0.00	0.139	O I					2.09
1.500	1.48	0.00	0.150	O I					2.15

South Basin 100yr6hr

Page 1 of 7

South Basin 100yr6hr

8.833	0.00	0.38	1.2xx	o					x.22
8.91x	0.00	0.3x	1.2x5	o					x.22
9.000	0.00	0.3x	1.2x2	o					x.21
9.083	0.00	0.3x	1.2x0	o					x.20
9.16x	0.00	0.36	1.26x	o					x.19
9.250	0.00	0.36	1.265	o					x.19
9.333	0.00	0.35	1.262	o					x.18
9.41x	0.00	0.35	1.260	o					x.1x
9.500	0.00	0.35	1.25x	o					x.1x
9.583	0.00	0.34	1.255	o					x.16
9.66x	0.00	0.34	1.253	o					x.15
9.x50	0.00	0.34	1.250	o					x.14
9.833	0.00	0.33	1.248	o					x.14
9.91x	0.00	0.33	1.246	o					x.13
10.000	0.00	0.33	1.244	o					x.12
10.083	0.00	0.32	1.241	o					x.12
10.16x	0.00	0.32	1.239	o					x.11
10.250	0.00	0.32	1.23x	o					x.10
10.333	0.00	0.31	1.235	o					x.10
10.41x	0.00	0.31	1.233	o					x.09
10.500	0.00	0.31	1.230	o					x.08
10.583	0.00	0.31	1.228	o					x.08
10.66x	0.00	0.30	1.226	o					x.0x
10.x50	0.00	0.30	1.224	o					x.0x
10.833	0.00	0.30	1.222	o					x.06
10.91x	0.00	0.29	1.220	o					x.05
11.000	0.00	0.29	1.218	o					x.05
11.083	0.00	0.29	1.216	o					x.04
11.16x	0.00	0.29	1.214	o					x.04
11.250	0.00	0.28	1.212	o					x.03
11.333	0.00	0.28	1.210	o					x.02
11.41x	0.00	0.28	1.208	o					x.02
11.500	0.00	0.2x	1.206	o					x.01
11.583	0.00	0.2x	1.204	o					x.01
11.66x	0.00	0.2x	1.203	o					x.00
11.x50	0.00	0.2x	1.201	o					x.00
11.833	0.00	0.2x	1.199	o					6.99
11.91x	0.00	0.2x	1.19x	o					6.98
12.000	0.00	0.2x	1.195	o					6.98
12.083	0.00	0.26	1.193	o					6.9x
12.16x	0.00	0.26	1.192	o					6.96
12.250	0.00	0.26	1.190	o					6.96
12.333	0.00	0.26	1.188	o					6.95
12.41x	0.00	0.26	1.186	o					6.95
12.500	0.00	0.26	1.184	o					6.94
12.583	0.00	0.26	1.183	o					6.93
12.66x	0.00	0.26	1.181	o					6.93
12.x50	0.00	0.26	1.1x9	o					6.92
12.833	0.00	0.26	1.1xx	o					6.91
12.91x	0.00	0.26	1.1x5	o					6.91
13.000	0.00	0.26	1.1x4	o					6.90
13.083	0.00	0.26	1.1x2	o					6.90
13.16x	0.00	0.26	1.1x0	o					6.89
13.250	0.00	0.25	1.168	o					6.88
13.333	0.00	0.25	1.16x	o					6.88
13.41x	0.00	0.25	1.165	o					6.8x
13.500	0.00	0.25	1.163	o					6.8x
13.583	0.00	0.25	1.161	o					6.86
13.66x	0.00	0.25	1.160	o					6.85
13.x50	0.00	0.25	1.158	o					6.85
13.833	0.00	0.25	1.156	o					6.84
13.91x	0.00	0.25	1.154	o					6.84
14.000	0.00	0.25	1.153	o					6.83
14.083	0.00	0.25	1.151	o					6.82
14.16x	0.00	0.25	1.149	o					6.82
14.250	0.00	0.25	1.148	o					6.81
14.333	0.00	0.25	1.146	o					6.81
14.41x	0.00	0.25	1.144	o					6.80
14.500	0.00	0.24	1.143	o					6.80
14.583	0.00	0.24	1.141	o					6.x9
14.66x	0.00	0.24	1.139	o					6.x8
14.x50	0.00	0.24	1.138	o					6.x8
14.833	0.00	0.24	1.136	o					6.xx
14.91x	0.00	0.24	1.134	o					6.xx
15.000	0.00	0.24	1.133	o					6.x6
15.083	0.00	0.24	1.131	o					6.x6
15.16x	0.00	0.24	1.129	o					6.x5
15.250	0.00	0.24	1.128	o					6.x4
15.333	0.00	0.24	1.126	o					6.x4
15.41x	0.00	0.24	1.124	o					6.x3
15.500	0.00	0.24	1.123	o					6.x3
15.583	0.00	0.24	1.121	o					6.x2
15.66x	0.00	0.24	1.119	o					6.x2
15.x50	0.00	0.24	1.118	o					6.x1
15.833	0.00	0.23	1.116	o					6.x1
15.91x	0.00	0.23	1.115	o					6.x0
16.000	0.00	0.23	1.113	o					6.69

South Basin 100yr6hr

Page 3 of 7

16.083	0.00	0.23	1.111	o					6.69
16.16x	0.00	0.23	1.110	o					6.68
16.250	0.00	0.23	1.108	o					6.68
16.333	0.00	0.23	1.10x	o					6.6x
16.41x	0.00	0.23	1.105	o					6.6x
16.500	0.00	0.23	1.103	o					6.66
16.583	0.00	0.23	1.102	o					6.66
16.66x	0.00	0.23	1.100	o					6.65
16.x50	0.00	0.23	1.099	o					6.64
16.833	0.00	0.23	1.09x	o					6.64
16.91x	0.00	0.23	1.096	o					6.63
1x.000	0.00	0.23	1.094	o					6.63
1x.083	0.00	0.23	1.092	o					6.62
1x.16x	0.00	0.22	1.091	o					6.62
1x.250	0.00	0.22	1.089	o					6.61
1x.333	0.00	0.22	1.088	o					6.61
1x.41x	0.00	0.22	1.086	o					6.60
1x.500	0.00	0.22	1.085	o					6.60
1x.583	0.00	0.22	1.083	o					6.59
1x.66x	0.00	0.22	1.082	o					6.59
1x.x50	0.00	0.22	1.080	o					6.58
1x.833	0.00	0.22	1.0x9	o					6.58
1x.91x	0.00	0.22	1.0xx	o					6.5x
18.000	0.00	0.22	1.0x6	o					6.5x
18.083	0.00	0.22	1.0x4	o					6.56
18.16x	0.00	0.22	1.0x3	o					6.56
18.250	0.00	0.22	1.0x1	o					6.55
18.333	0.00	0.22	1.0x0	o					6.55
18.41x	0.00	0.22	1.068	o					6.54
18.500	0.00	0.21	1.06x	o					6.53
18.583	0.00	0.21	1.065	o					6.53
18.66x	0.00	0.21	1.064	o					6.52
18.x50	0.00	0.21	1.062	o					6.52
18.833	0.00	0.21	1.061	o					6.51
18.91x	0.00	0.21	1.059	o					6.51
19.000	0.00	0.21	1.058	o					6.50
19.083	0.00	0.21	1.056	o					6.50
19.16x	0.00	0.21	1.055	o					6.49
19.250	0.00	0.21	1.054	o					6.49
19.333	0.00	0.21	1.052	o					6.48
19.41x	0.00	0.21	1.051	o					6.48
19.500	0.00	0.21	1.049	o					6.4x
19.583	0.00	0.21	1.048	o					6.4x
19.66x	0.00	0.21	1.046	o					6.4x
19.x50	0.00	0.21	1.045	o					6.46
19.833	0.00	0.21	1.043	o					6.46
19.91x	0.00	0.21	1.042	o					6.45
20.000	0.00	0.20	1.041	o					6.45
20.083	0.00	0.20	1.039	o					6.44
20.16x	0.00	0.20	1.038	o					6.44
20.250	0.00	0.20	1.036	o					6.43
20.333	0.00	0.20	1.035	o					6.43
20.41x	0.00	0.20	1.034	o					6.42
20.500	0.00	0.20	1.032	o					6.42
20.583	0.00	0.20	1.031	o					6.41
20.66x	0.00	0.20	1.030	o					6.41
20.x50	0.00	0.20	1.028	o					6.40
20.833	0.00	0.20	1.02x	o					6.40
20.91x	0.00	0.20	1.025	o					6.39
21.000	0.00	0.20	1.024	o					6.39
21.083	0.00	0.20	1.023	o					6.38
21.16x	0.00	0.20	1.021	o					6.38
21.250	0.00	0.20	1.020	o					6.3x
21.333	0.00	0.20	1.019	o					6.3x
21.41x	0.00	0.20	1.01x	o					6.3x
21.500	0.00	0.20	1.016	o					6.36
21.583	0.00	0.19	1.015	o					6.36
21.66x	0.00	0.19	1.013	o					6.35
21.x50	0.00	0.19	1.012	o					6.35
21.833	0.00	0.19	1.011	o					6.34
21.91x	0.00	0.19	1.009	o					6.34
22.000	0.00	0.19	1.008	o					6.33
22.083	0.00	0.19	1.00x	o					6.33
22.16x	0.00	0.19	1.005	o					6.32
22.250	0.00	0.19	1.004	o					6.32
22.333	0.00	0.19	1.003	o					6.31
22.41x	0.00	0.19	1.001	o					6.31
22.500	0.00	0.19	1.000	o					6.31
22.583	0.00	0.19	0.999	o					6.30
22.66x	0.00	0.19	0.99x	o					6.30
22.x50	0.00	0.19	0.996	o					6.29
22.833	0.00	0.19	0.995	o					6.29
22.91x	0.00	0.19	0.994	o					6.28
23.000	0.00	0.19	0.992	o					6.28
23.083	0.00	0.19	0.991	o					6.2x
23.16x	0.00	0.18	0.990	o					6.2x
23.250	0.00	0.18	0.988	o					6.2x

South Basin 100yr6hr

Page 4 of 7

23.333	0.00	0.18	0.98x	o					6.26
23.41x	0.00	0.18	0.986	o					6.26
23.500	0.00	0.18	0.985	o					6.25
23.583	0.00	0.18	0.983	o					6.25
23.66x	0.00	0.18	0.982	o					6.24
23.x50	0.00	0.18	0.981	o					6.24
23.833	0.00	0.18	0.980	o					6.24
23.91x	0.00	0.18	0.9x8	o					6.23
24.000	0.00	0.18	0.9xx	o					6.23
24.083	0.00	0.18	0.9x6	o					6.22
24.16x	0.00	0.18	0.9x5	o					6.22
24.250	0.00	0.18	0.9x3	o					6.21
24.333	0.00	0.18	0.9x2	o					6.21
24.41x	0.00	0.18	0.9x1	o					6.21
24.500	0.00	0.18	0.9x0	o					6.20
24.583	0.00	0.18	0.969	o					6.20
24.66x	0.00	0.18	0.96x	o					6.19
24.x50	0.00	0.18	0.966	o					6.19
24.833	0.00	0.18	0.965	o					6.19
24.91x	0.00	0.1x	0.964	o					6.18
25.000	0.00	0.1x	0.963	o					6.18
25.083	0.00	0.1x	0.961	o					6.1x
25.16x	0.00	0.1x	0.960	o					6.1x
25.250	0.00	0.1x	0.959	o					6.16
25.333	0.00	0.1x	0.958	o					6.16
25.41x	0.00	0.1x	0.95x	o					6.16
25.500	0.00	0.1x	0.955	o					6.15
25.583	0.00	0.1x	0.954	o					6.15
25.66x	0.00	0.1x	0.953	o					6.14
25.x50	0.00	0.1x	0.952	o					6.14
25.833	0.00	0.1x	0.951	o					6.14
25.91x	0.00	0.1x	0.950	o					6.13
26.000	0.00	0.1x	0.948	o					6.13
26.083	0.00	0.1x	0.94x	o					6.12
26.16x	0.00	0.1x	0.946	o					6.12
26.250	0.00	0.1x	0.945	o					6.12
26.333	0.00	0.1x	0.944	o					6.11
26.41x	0.00	0.1x	0.943	o					6.11
26.500	0.00	0.1x	0.941	o					6.10
26.583	0.00	0.1x	0.940	o					6.10
26.66x	0.00	0.1x	0.939	o					6.10
26.x50	0.00	0.16	0.938	o					6.09
26.833	0.00	0.16	0.93x	o					6.09
26.91x	0.00	0.16	0.936	o					6.09
2x.000	0.00	0.16	0.935	o					6.08
2x.083	0.00	0.16	0.934	o					6.08
2x.16x	0.00	0.16	0.932	o					6.0x
2x.250	0.00	0.16	0.931	o					6.0x
2x.333	0.00	0.16	0.930	o					6.0x
2x.41x	0.00	0.16	0.929	o					6.06
2x.500	0.00	0.16	0.928	o					6.06
2x.583	0.00	0.16	0.92x	o					6.05
2x.66x	0.00	0.16	0.926	o					6.05
2x.x50	0.00	0.16	0.925	o					6.05
2x.833	0.00	0.16	0.924	o					6.04
2x.91x	0.00	0.16	0.922	o					6.04
28.000	0.00	0.16	0.921	o					6.04
28.083	0.00	0.16	0.920	o					6.03
28.16x	0.00	0.16	0.919	o					6.03
28.250	0.00	0.16	0.918	o					6.02
28.333	0.00	0.16	0.91x	o					6.02
28.41x	0.00	0.16	0.916	o					6.02
28.500	0.00	0.16	0.915	o					6.01
28.583	0.00	0.16	0.914	o					6.01
28.66x	0.00	0.15	0.913	o					6.01
28.x50	0.00	0.15	0.912	o					6.00
28.833	0.00	0.15	0.911	o					6.00
28.91x	0.00	0.15	0.910	o					5.99
29.000	0.00	0.15	0.909	o					5.99
29.083	0.00	0.15	0.90x	o					5.99
29.16x	0.00	0.15	0.906	o					5.98
29.250	0.00	0.15	0.905	o					5.98
29.333	0.00	0.15	0.904	o					5.9x
29.41x	0.00	0.15	0.903	o					5.9x
29.500	0.00	0.15	0.902	o					5.96
29.583	0.00	0.15	0.901	o					5.96
29.66x	0.00	0.15	0.900	o					5.96
29.x50	0.00	0.15	0.899	o					5.95
29.833	0.00	0.15	0.898	o					5.95
29.91x	0.00	0.15	0.89x	o					5.94
30.000	0.00	0.15	0.896	o					5.94
30.083	0.00	0.14	0.895	o					5.94
30.16x	0.00	0.14	0.894	o					5.93
30.250	0.00	0.14	0.893	o					5.93
30.333	0.00	0.14	0.892	o					5.92
30.41x	0.00	0.14	0.891	o					5.92
30.500	0.00	0.14	0.890	o					5.92

South Basin 100yr6hr

Page 5 of 7

30.583	0.00	0.14	0.889	o					5.91
30.66x	0.00	0.14	0.888	o					5.91
30.x50	0.00	0.14	0.88x	o					5.90
30.833	0.00	0.14	0.886	o					5.90
30.91x	0.00	0.14	0.885	o					5.90
31.000	0.00	0.14	0.885	o					5.89
31.083	0.00	0.14	0.884	o					5.89
31.16x	0.00	0.14	0.883	o					5.89
31.250	0.00	0.14	0.882	o					5.88
31.333	0.00	0.14	0.881	o					5.88
31.41x	0.00	0.14	0.880	o					5.8x
31.500	0.00	0.13	0.8x9	o					5.8x
31.583	0.00	0.13	0.8x8	o					5.8x
31.66x	0.00	0.13	0.8xx	o					5.86
31.x50	0.00	0.13	0.8x6	o					5.86
31.833	0.00	0.13	0.8x5	o					5.86
31.91x	0.00	0.13	0.8x4	o					5.85
32.000	0.00	0.13	0.8x3	o					5.85
32.083	0.00	0.13	0.8x2	o					5.84
32.16x	0.00	0.13	0.8x2	o					5.84
32.250	0.00	0.13	0.8x1	o					5.84
32.333	0.00	0.13	0.8x0	o					5.83
32.41x	0.00	0.13	0.869	o					5.83
32.500	0.00	0.13	0.868	o					5.83
32.583	0.00	0.13	0.86x	o					5.82
32.66x	0.00	0.13	0.866	o					5.82
32.x50	0.00	0.13	0.865	o					5.82
32.833	0.00	0.13	0.865	o					5.81
32.91x	0.00	0.13	0.864	o					5.81
33.000	0.00	0.13	0.863	o					5.80
33.083	0.00	0.12	0.862	o					5.80
33.16x	0.00	0.12	0.861	o					5.80
33.250	0.00	0.12	0.860	o					5.x9
33.333	0.00	0.12	0.859	o					5.x9
33.41x	0.00	0.12	0.859	o					5.x9
33.500	0.00	0.12	0.858	o					5.x8
33.583	0.00	0.12	0.85x	o					5.x8
33.66x	0.00	0.12	0.856	o					5.x8
33.x50	0.00	0.12	0.855	o					5.xx
33.833	0.00	0.12	0.854	o					5.xx
33.91x	0.00	0.12	0.854	o					5.xx
34.000	0.00	0.12	0.853	o					5.x6
34.083	0.00	0.12	0.852	o					5.x6
34.16x	0.00	0.12	0.851	o					5.x6
34.250	0.00	0.12	0.850	o					5.x5
34.333	0.00	0.12	0.849	o					5.x5
34.41x	0.00	0.12	0.849	o					5.x5
34.500	0.00	0.12	0.848	o					5.x4
34.583	0.00	0.12	0.84x	o					5.x4
34.66x	0.00	0.12	0.846	o					5.x4
34.x50	0.00	0.11	0.845	o					5.x3
34.833	0.00	0.11	0.845	o					5.x3
34.91x	0.00	0.11	0.844	o					5.x3
35.000	0.00	0.11	0.843	o					5.x3
35.083	0.00	0.11	0.842	o					5.x2
35.16x	0.00	0.11	0.842	o					5.x2
35.250	0.00	0.11	0.841	o					5.x2
35.333	0.00	0.11	0.840	o					5.x1
35.41x	0.00	0.11	0.839	o					5.x1
35.500	0.00	0.11	0.838	o					5.x1
35.583	0.00	0.11	0.838	o					5.x0
35.66x	0.00	0.11	0.83x	o					5.x0
35.x50	0.00	0.11	0.836	o					5.x0
35.833	0.00	0.11	0.835	o					5.69
35.91x	0.00	0.11	0.835	o					5.69
36.000	0.00	0.11	0.834	o					5.69
36.083	0.00	0.11	0.833	o					5.69
36.16x	0.00	0.11	0.832	o					5.68
36.250	0.00	0.11	0.832	o					5.68
36.333	0.00	0.11	0.831	o					5.68
36.41x	0.00	0.11	0.830	o					5.6x
36.500	0.00	0.11	0.830	o					5.6x
36.583	0.00	0.10	0.829	o					5.6x
36.66x	0.00	0.10	0.828	o					5.66
36.x50	0.00	0.10	0.82x	o					5.66
36.833	0.00	0.10	0.82x	o					5.66
36.91x	0.00	0.10	0.826	o					5.66
3x.000	0.00	0.10	0.825	o					5.65
3x.083	0.00	0.10	0.825	o					5.65
3x.16x	0.00	0.10	0.824	o					5.65
3x.250	0.00	0.10	0.823	o					5.64
3x.333	0.00	0.10	0.822	o					5.64
3x.41x	0.00	0.10	0.822	o					5.64
3x.500	0.00	0.10	0.821	o					5.64
3x.583	0.00	0.10	0.820	o					5.63

Remaining Water in basin = 0.82 (Ac.Ft)

*****HYDROGRAPH DATA*****

Number of intervals = 451
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 0.522 (CFS)
Total volume = 0.595 (Ac.Ft)
Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

Program License Serial Number 5006

***** HYDROGRAPH INFORMATION *****

From study/file name: pro110024100.rte
 *****HYDROGRAPH DATA*****
 Number of intervals = 291
 Time interval = 5.0 (Min.)
 Maximum/Peak flow rate = 4.277 (CFS)
 Total volume = 2.323 (Ac.Ft)
 Status of hydrographs being held in storage
 Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
 Peak (CFS) 0.000 0.000 0.000 0.000 0.000
 Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
 Process from Point/Station 1.000 to Point/Station 2.000
 **** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

 Total number of inflow hydrograph intervals = 291
 Hydrograph time unit = 5.000 (Min.)
 Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
 Initial basin storage = 0.00 (Ac.Ft)
 Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.063	0.001	0.063	0.063
2.000	0.125	0.002	0.125	0.125
3.000	0.293	0.003	0.293	0.293
4.000	0.459	0.005	0.459	0.459
5.000	0.664	0.006	0.664	0.664
6.000	0.911	0.154	0.910	0.912
7.000	1.202	0.268	1.201	1.203
7.850	1.487	0.678	1.485	1.489
8.200	1.796	22.862	1.717	1.875

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	0	1.1	2.14	3.21	4.28	Depth (Ft.)
0.083	0.10	0.00	0.000	O					0.01
0.167	0.20	0.00	0.001	O I					0.02
0.250	0.21	0.00	0.003	O I					0.04
0.333	0.27	0.00	0.004	O I					0.07
0.417	0.32	0.00	0.007	O I					0.10
0.500	0.33	0.00	0.009	O I					0.14
0.583	0.33	0.00	0.011	O I					0.18
0.667	0.33	0.00	0.013	O I					0.21
0.750	0.33	0.00	0.016	O I					0.25
0.833	0.38	0.00	0.018	O I					0.29
0.917	0.43	0.00	0.021	O I					0.33
1.000	0.44	0.00	0.024	O I					0.38
1.083	0.39	0.00	0.027	O I					0.42
1.167	0.35	0.00	0.029	O I					0.47
1.250	0.34	0.00	0.032	O I					0.50
1.333	0.33	0.00	0.034	O I					0.54
1.417	0.33	0.00	0.036	O I					0.58
1.500	0.33	0.00	0.039	O I					0.61

South Basin 100yr24hr

Page 1 of 9

1.583	0.33	0.00	0.041	0	I					0.65
1.667	0.33	0.00	0.043	0	I					0.68
1.750	0.33	0.00	0.045	0	I					0.72
1.833	0.38	0.00	0.048	0	I					0.76
1.917	0.43	0.00	0.051	0	I					0.80
2.000	0.44	0.00	0.054	0	I					0.85
2.083	0.44	0.00	0.057	0	I					0.90
2.167	0.44	0.00	0.060	0	I					0.95
2.250	0.44	0.00	0.063	0	I					1.00
2.333	0.44	0.00	0.066	0	I					1.05
2.417	0.44	0.00	0.069	0	I					1.10
2.500	0.44	0.00	0.072	0	I					1.15
2.583	0.50	0.00	0.075	0	I					1.20
2.667	0.54	0.00	0.079	0	I					1.25
2.750	0.55	0.00	0.083	0	I					1.32
2.833	0.56	0.00	0.086	0	I					1.38
2.917	0.56	0.00	0.090	0	I					1.44
3.000	0.56	0.00	0.094	0	I					1.50
3.083	0.56	0.00	0.098	0	I					1.56
3.167	0.56	0.00	0.102	0	I					1.62
3.250	0.56	0.00	0.105	0	I					1.68
3.333	0.56	0.00	0.109	0	I					1.75
3.417	0.56	0.00	0.113	0	I					1.81
3.500	0.56	0.00	0.117	0	I					1.87
3.583	0.56	0.00	0.121	0	I					1.93
3.667	0.56	0.00	0.124	0	I					1.99
3.750	0.56	0.00	0.128	0	I					2.02
3.833	0.61	0.00	0.132	0	I					2.04
3.917	0.65	0.00	0.137	0	I					2.07
4.000	0.66	0.00	0.141	0	I					2.10
4.083	0.67	0.00	0.146	0	I					2.12
4.167	0.67	0.00	0.150	0	I					2.15
4.250	0.67	0.00	0.155	0	I					2.18
4.333	0.72	0.00	0.160	0	I					2.21
4.417	0.76	0.00	0.165	0	I					2.24
4.500	0.77	0.00	0.170	0	I					2.27
4.583	0.78	0.00	0.175	0	I					2.30
4.667	0.78	0.00	0.181	0	I					2.33
4.750	0.78	0.00	0.186	0	I					2.36
4.833	0.83	0.00	0.191	0	I					2.40
4.917	0.88	0.00	0.197	0	I					2.43
5.000	0.88	0.00	0.203	0	I					2.47
5.083	0.79	0.00	0.209	0	I					2.50
5.167	0.69	0.00	0.214	0	I					2.53
5.250	0.67	0.00	0.219	0	I					2.56
5.333	0.72	0.00	0.224	0	I					2.59
5.417	0.76	0.00	0.229	0	I					2.62
5.500	0.77	0.00	0.234	0	I					2.65
5.583	0.83	0.00	0.240	0	I					2.68
5.667	0.88	0.00	0.245	0	I					2.72
5.750	0.88	0.00	0.251	0	I					2.75
5.833	0.89	0.00	0.257	0	I					2.79
5.917	0.89	0.00	0.264	0	I					2.82
6.000	0.89	0.00	0.270	0	I					2.86
6.083	0.94	0.00	0.276	0	I					2.90
6.167	0.99	0.00	0.283	0	I					2.94
6.250	1.00	0.00	0.289	0	I					2.98
6.333	1.00	0.00	0.296	0	I					3.02
6.417	1.00	0.00	0.303	0	I					3.06
6.500	1.00	0.00	0.310	0	I					3.10
6.583	1.05	0.00	0.317	0	I					3.14
6.667	1.10	0.00	0.324	0	I					3.19
6.750	1.11	0.00	0.332	0	I					3.23
6.833	1.11	0.00	0.340	0	I					3.28
6.917	1.11	0.00	0.347	0	I					3.33
7.000	1.11	0.00	0.355	0	I					3.37
7.083	1.11	0.00	0.362	0	I					3.42
7.167	1.11	0.00	0.370	0	I					3.46
7.250	1.11	0.00	0.378	0	I					3.51
7.333	1.16	0.00	0.385	0	I					3.56
7.417	1.21	0.00	0.394	0	I					3.61
7.500	1.22	0.00	0.402	0	I					3.66
7.583	1.27	0.00	0.410	0	I					3.71
7.667	1.32	0.00	0.419	0	I					3.76
7.750	1.33	0.00	0.428	0	I					3.82
7.833	1.38	0.00	0.438	0	I					3.87
7.917	1.43	0.00	0.447	0	I					3.93
8.000	1.44	0.00	0.457	0	I					3.99
8.083	1.55	0.01	0.468	0	I					4.04
8.167	1.64	0.01	0.478	0	I					4.10
8.250	1.66	0.01	0.490	0	I					4.15
8.333	1.67	0.01	0.501	0	I					4.21
8.417	1.67	0.01	0.513	0	I					4.26
8.500	1.67	0.01	0.524	0	I					4.32
8.583	1.72	0.01	0.536	0	I					4.37
8.667	1.76	0.01	0.548	0	I					4.43
8.750	1.77	0.01	0.560	0	I					4.49

South Basin 100yr24hr

Page 2 of 9

8.833	1.83	0.01	0.572	O	I				4.55
8.917	1.88	0.01	0.585	O	I				4.61
9.000	1.88	0.01	0.598	O	I				4.68
9.083	1.99	0.01	0.611	O	I				4.74
9.167	2.08	0.01	0.625	O	I				4.81
9.250	2.10	0.01	0.639	O	I				4.88
9.333	2.16	0.01	0.654	O	I				4.95
9.417	2.21	0.01	0.669	O	I				5.02
9.500	2.22	0.02	0.684	O	I				5.08
9.583	2.27	0.03	0.700	O	I				5.14
9.667	2.32	0.04	0.715	O	I				5.21
9.750	2.33	0.05	0.731	O	I				5.27
9.833	2.38	0.06	0.747	O	I				5.34
9.917	2.43	0.07	0.763	O	I				5.40
10.000	2.44	0.08	0.779	O	I				5.47
10.083	2.08	0.08	0.794	O	I				5.53
10.167	1.76	0.09	0.807	O	I				5.58
10.250	1.69	0.10	0.818	O	I				5.62
10.333	1.67	0.10	0.829	O	I				5.67
10.417	1.67	0.11	0.840	O	I				5.71
10.500	1.67	0.12	0.850	O	I				5.75
10.583	1.92	0.12	0.862	O	I				5.80
10.667	2.16	0.13	0.875	O	I				5.85
10.750	2.20	0.14	0.889	O	I				5.91
10.833	2.22	0.15	0.903	O	I				5.97
10.917	2.22	0.16	0.918	O	I				6.02
11.000	2.22	0.16	0.932	O	I				6.07
11.083	2.17	0.17	0.946	O	I				6.12
11.167	2.12	0.17	0.959	O	I				6.17
11.250	2.11	0.18	0.973	O	I				6.21
11.333	2.11	0.18	0.986	O	I				6.26
11.417	2.11	0.19	0.999	O	I				6.30
11.500	2.11	0.19	1.013	O	I				6.35
11.583	2.01	0.20	1.025	O	I				6.39
11.667	1.91	0.20	1.037	O	I				6.43
11.750	1.90	0.21	1.049	O	I				6.47
11.833	1.94	0.21	1.061	O	I				6.52
11.917	1.99	0.22	1.073	O	I				6.56
12.000	2.00	0.22	1.085	O	I				6.60
12.083	2.36	0.23	1.099	O	I				6.64
12.167	2.69	0.23	1.114	O	I				6.70
12.250	2.75	0.24	1.132	O	I				6.76
12.333	2.83	0.25	1.149	O	I				6.82
12.417	2.87	0.25	1.167	O	I				6.88
12.500	2.88	0.26	1.185	O	I				6.94
12.583	2.99	0.27	1.203	O	I				7.00
12.667	3.09	0.30	1.222	O	I				7.06
12.750	3.11	0.32	1.242	O	I				7.12
12.833	3.21	0.35	1.261	O	I				7.18
12.917	3.30	0.38	1.281	O	I				7.24
13.000	3.32	0.41	1.301	O	I				7.30
13.083	3.75	0.44	1.322	O	I				7.36
13.167	4.14	0.48	1.346	O	I				7.43
13.250	4.22	0.51	1.372	O	I				7.51
13.333	4.26	0.55	1.397	O	I				7.58
13.417	4.27	0.59	1.423	O	I				7.66
13.500	4.28	0.62	1.448	O	I				7.73
13.583	3.48	0.65	1.470	O	I				7.80
13.667	2.75	0.69	1.487	O	I				7.85
13.750	2.61	1.48	1.498	O	I				7.86
13.833	2.55	1.92	1.504	O	I				7.87
13.917	2.55	2.17	1.508	O	I				7.87
14.000	2.55	2.32	1.510	O	I				7.88
14.083	2.80	2.46	1.512	O	I				7.88
14.167	3.04	2.64	1.514	O	I				7.88
14.250	3.09	2.81	1.517	O	I				7.88
14.333	3.03	2.91	1.518	O	I				7.89
14.417	2.96	2.94	1.519	O	I				7.89
14.500	2.96	2.95	1.519	O	I				7.89
14.583	2.96	2.95	1.519	O	I				7.89
14.667	2.97	2.96	1.519	O	I				7.89
14.750	2.98	2.96	1.519	O	I				7.89
14.833	2.90	2.96	1.519	O	I				7.89
14.917	2.84	2.92	1.518	O	I				7.89
15.000	2.83	2.89	1.518	O	I				7.88
15.083	2.75	2.85	1.517	O	I				7.88
15.167	2.69	2.80	1.517	O	I				7.88
15.250	2.68	2.75	1.516	O	I				7.88
15.333	2.62	2.71	1.515	O	I				7.88
15.417	2.57	2.66	1.515	O	I				7.88
15.500	2.56	2.62	1.514	O	I				7.88
15.583	2.35	2.56	1.513	O	I				7.88
15.667	2.16	2.44	1.512	O	I				7.88
15.750	2.13	2.32	1.510	O	I				7.88
15.833	2.11	2.24	1.509	O	I				7.87
15.917	2.11	2.19	1.508	O	I				7.87
16.000	2.11	2.16	1.508	O	I				7.87

South Basin 100yr24hr

Page 3 of 9

16.083	1.34	1.99	1.505		I	O			7.87
16.167	0.64	1.59	1.500		I	O			7.86
16.250	0.50	1.19	1.494		I	O			7.86
16.333	0.44	0.90	1.490		I	O			7.85
16.417	0.44	0.72	1.488		I	O			7.85
16.500	0.44	0.68	1.486		I	O			7.85
16.583	0.39	0.67	1.484		I	O			7.84
16.667	0.35	0.67	1.482		I	O			7.84
16.750	0.34	0.67	1.480		I	O			7.83
16.833	0.33	0.66	1.477		I	O			7.82
16.917	0.33	0.66	1.475		I	O			7.81
17.000	0.33	0.66	1.473		I	O			7.81
17.083	0.44	0.66	1.471		IO				7.80
17.167	0.53	0.65	1.470		IO				7.80
17.250	0.55	0.65	1.469		O				7.80
17.333	0.56	0.65	1.468		O				7.79
17.417	0.56	0.65	1.468		O				7.79
17.500	0.56	0.65	1.467		O				7.79
17.583	0.56	0.65	1.466		O				7.79
17.667	0.56	0.65	1.466		O				7.79
17.750	0.56	0.65	1.465		O				7.78
17.833	0.50	0.65	1.464		IO				7.78
17.917	0.46	0.64	1.463		IO				7.78
18.000	0.45	0.64	1.462		IO				7.78
18.083	0.44	0.64	1.461		IO				7.77
18.167	0.44	0.64	1.459		IO				7.77
18.250	0.44	0.64	1.458		IO				7.76
18.333	0.44	0.63	1.457		IO				7.76
18.417	0.44	0.63	1.455		IO				7.76
18.500	0.44	0.63	1.454		IO				7.75
18.583	0.39	0.63	1.453		I O				7.75
18.667	0.35	0.63	1.451		I O				7.74
18.750	0.34	0.62	1.449		I O				7.74
18.833	0.28	0.62	1.447		I O				7.73
18.917	0.23	0.62	1.444		I O				7.72
19.000	0.23	0.61	1.442		I O				7.71
19.083	0.27	0.61	1.439		I O				7.71
19.167	0.32	0.61	1.437		I O				7.70
19.250	0.33	0.60	1.435		I O				7.69
19.333	0.38	0.60	1.433		I O				7.69
19.417	0.43	0.60	1.432		IO				7.69
19.500	0.44	0.60	1.431		IO				7.68
19.583	0.39	0.60	1.430		I O				7.68
19.667	0.35	0.59	1.428		I O				7.67
19.750	0.34	0.59	1.426		I O				7.67
19.833	0.28	0.59	1.424		I O				7.66
19.917	0.23	0.58	1.422		I O				7.66
20.000	0.23	0.58	1.420		I O				7.65
20.083	0.27	0.58	1.417		I O				7.64
20.167	0.32	0.58	1.416		I O				7.64
20.250	0.33	0.57	1.414		I O				7.63
20.333	0.33	0.57	1.412		I O				7.63
20.417	0.33	0.57	1.411		I O				7.62
20.500	0.33	0.57	1.409		I O				7.62
20.583	0.33	0.56	1.407		I O				7.61
20.667	0.33	0.56	1.406		I O				7.61
20.750	0.33	0.56	1.404		I O				7.60
20.833	0.28	0.56	1.403		I O				7.60
20.917	0.23	0.55	1.400		I O				7.59
21.000	0.23	0.55	1.398		I O				7.59
21.083	0.27	0.55	1.396		I O				7.58
21.167	0.32	0.54	1.394		I O				7.57
21.250	0.33	0.54	1.393		I O				7.57
21.333	0.28	0.54	1.391		I O				7.56
21.417	0.23	0.54	1.389		I O				7.56
21.500	0.23	0.53	1.387		I O				7.55
21.583	0.27	0.53	1.385		IO				7.55
21.667	0.32	0.53	1.384		IO				7.54
21.750	0.33	0.53	1.382		IO				7.54
21.833	0.28	0.53	1.381		IO				7.53
21.917	0.23	0.52	1.379		I O				7.53
22.000	0.23	0.52	1.377		I O				7.52
22.083	0.27	0.52	1.375		IO				7.52
22.167	0.32	0.51	1.374		IO				7.51
22.250	0.33	0.51	1.372		IO				7.51
22.333	0.28	0.51	1.371		IO				7.50
22.417	0.23	0.51	1.369		I O				7.50
22.500	0.23	0.51	1.367		I O				7.49
22.583	0.22	0.50	1.365		I O				7.49
22.667	0.22	0.50	1.363		I O				7.48
22.750	0.22	0.50	1.362		I O				7.48
22.833	0.22	0.49	1.360		I O				7.47
22.917	0.22	0.49	1.358		I O				7.46
23.000	0.22	0.49	1.356		I O				7.46
23.083	0.22	0.49	1.354		I O				7.45
23.167	0.22	0.48	1.352		I O				7.45
23.250	0.22	0.48	1.350		I O				7.44

South Basin 100yr24hr

Page 4 of 9

23.333	0.22	0.48	1.349	I	O	7.44
23.417	0.22	0.48	1.347	I	O	7.43
23.500	0.22	0.47	1.345	I	O	7.43
23.583	0.22	0.47	1.343	I	O	7.42
23.667	0.22	0.47	1.342	I	O	7.42
23.750	0.22	0.47	1.340	I	O	7.41
23.833	0.22	0.46	1.338	I	O	7.41
23.917	0.22	0.46	1.337	I	O	7.40
24.000	0.22	0.46	1.335	I	O	7.40
24.083	0.12	0.46	1.333	I	O	7.39
24.167	0.03	0.45	1.330	I	O	7.38
24.250	0.01	0.45	1.327	I	O	7.37
24.333	0.00	0.44	1.324	I	O	7.37
24.417	0.00	0.44	1.321	I	O	7.36
24.500	0.00	0.44	1.318	I	O	7.35
24.583	0.00	0.43	1.315	I	O	7.34
24.667	0.00	0.43	1.312	I	O	7.33
24.750	0.00	0.42	1.310	I	O	7.32
24.833	0.00	0.42	1.307	I	O	7.31
24.917	0.00	0.41	1.304	I	O	7.30
25.000	0.00	0.41	1.301	I	O	7.29
25.083	0.00	0.41	1.298	I	O	7.29
25.167	0.00	0.40	1.295	I	O	7.28
25.250	0.00	0.40	1.293	I	O	7.27
25.333	0.00	0.39	1.290	I	O	7.26
25.417	0.00	0.39	1.287	I	O	7.25
25.500	0.00	0.39	1.284	I	O	7.25
25.583	0.00	0.38	1.282	I	O	7.24
25.667	0.00	0.38	1.279	I	O	7.23
25.750	0.00	0.38	1.277	I	O	7.22
25.833	0.00	0.37	1.274	I	O	7.21
25.917	0.00	0.37	1.271	I	O	7.21
26.000	0.00	0.36	1.269	I	O	7.20
26.083	0.00	0.36	1.266	I	O	7.19
26.167	0.00	0.36	1.264	I	O	7.18
26.250	0.00	0.35	1.262	I	O	7.18
26.333	0.00	0.35	1.259	I	O	7.17
26.417	0.00	0.35	1.257	I	O	7.16
26.500	0.00	0.34	1.254	I	O	7.16
26.583	0.00	0.34	1.252	I	O	7.15
26.667	0.00	0.34	1.250	I	O	7.14
26.750	0.00	0.33	1.247	I	O	7.14
26.833	0.00	0.33	1.245	I	O	7.13
26.917	0.00	0.33	1.243	I	O	7.12
27.000	0.00	0.32	1.241	I	O	7.11
27.083	0.00	0.32	1.238	I	O	7.11
27.167	0.00	0.32	1.236	I	O	7.10
27.250	0.00	0.31	1.234	I	O	7.10
27.333	0.00	0.31	1.232	I	O	7.09
27.417	0.00	0.31	1.230	I	O	7.08
27.500	0.00	0.30	1.228	I	O	7.08
27.583	0.00	0.30	1.225	I	O	7.07
27.667	0.00	0.30	1.223	I	O	7.06
27.750	0.00	0.30	1.221	I	O	7.06
27.833	0.00	0.29	1.219	I	O	7.05
27.917	0.00	0.29	1.217	I	O	7.05
28.000	0.00	0.29	1.215	I	O	7.04
28.083	0.00	0.28	1.213	I	O	7.03
28.167	0.00	0.28	1.211	I	O	7.03
28.250	0.00	0.28	1.209	I	O	7.02
28.333	0.00	0.28	1.208	I	O	7.02
28.417	0.00	0.27	1.206	I	O	7.01
28.500	0.00	0.27	1.204	I	O	7.01
28.583	0.00	0.27	1.202	I	O	7.00
28.667	0.00	0.27	1.200	IO		6.99
28.750	0.00	0.27	1.198	IO		6.99
28.833	0.00	0.27	1.196	IO		6.98
28.917	0.00	0.27	1.195	IO		6.97
29.000	0.00	0.26	1.193	IO		6.97
29.083	0.00	0.26	1.191	IO		6.96
29.167	0.00	0.26	1.189	IO		6.96
29.250	0.00	0.26	1.187	IO		6.95
29.333	0.00	0.26	1.186	IO		6.94
29.417	0.00	0.26	1.184	IO		6.94
29.500	0.00	0.26	1.182	IO		6.93
29.583	0.00	0.26	1.180	IO		6.92
29.667	0.00	0.26	1.178	IO		6.92
29.750	0.00	0.26	1.177	IO		6.91
29.833	0.00	0.26	1.175	IO		6.91
29.917	0.00	0.26	1.173	IO		6.90
30.000	0.00	0.26	1.171	IO		6.89
30.083	0.00	0.26	1.170	IO		6.89
30.167	0.00	0.25	1.168	IO		6.88
30.250	0.00	0.25	1.166	IO		6.88
30.333	0.00	0.25	1.164	IO		6.87
30.417	0.00	0.25	1.163	IO		6.86
30.500	0.00	0.25	1.161	IO		6.86

South Basin 100yr24hr

Page 5 of 9

30.583	0.00	0.25	1.159	IO					6.85
30.667	0.00	0.25	1.157	IO					6.85
30.750	0.00	0.25	1.156	IO					6.84
30.833	0.00	0.25	1.154	IO					6.83
30.917	0.00	0.25	1.152	IO					6.83
31.000	0.00	0.25	1.150	IO					6.82
31.083	0.00	0.25	1.149	IO					6.82
31.167	0.00	0.25	1.147	IO					6.81
31.250	0.00	0.25	1.145	IO					6.81
31.333	0.00	0.25	1.144	IO					6.80
31.417	0.00	0.24	1.142	IO					6.79
31.500	0.00	0.24	1.140	IO					6.79
31.583	0.00	0.24	1.139	IO					6.78
31.667	0.00	0.24	1.137	IO					6.78
31.750	0.00	0.24	1.135	IO					6.77
31.833	0.00	0.24	1.134	IO					6.77
31.917	0.00	0.24	1.132	IO					6.76
32.000	0.00	0.24	1.130	IO					6.75
32.083	0.00	0.24	1.129	IO					6.75
32.167	0.00	0.24	1.127	IO					6.74
32.250	0.00	0.24	1.125	IO					6.74
32.333	0.00	0.24	1.124	IO					6.73
32.417	0.00	0.24	1.122	IO					6.73
32.500	0.00	0.24	1.120	IO					6.72
32.583	0.00	0.24	1.119	IO					6.71
32.667	0.00	0.23	1.117	IO					6.71
32.750	0.00	0.23	1.116	IO					6.70
32.833	0.00	0.23	1.114	IO					6.70
32.917	0.00	0.23	1.112	IO					6.69
33.000	0.00	0.23	1.111	IO					6.69
33.083	0.00	0.23	1.109	IO					6.68
33.167	0.00	0.23	1.108	IO					6.68
33.250	0.00	0.23	1.106	IO					6.67
33.333	0.00	0.23	1.104	IO					6.66
33.417	0.00	0.23	1.103	IO					6.66
33.500	0.00	0.23	1.101	IO					6.65
33.583	0.00	0.23	1.100	IO					6.65
33.667	0.00	0.23	1.098	IO					6.64
33.750	0.00	0.23	1.097	IO					6.64
33.833	0.00	0.23	1.095	IO					6.63
33.917	0.00	0.23	1.093	IO					6.63
34.000	0.00	0.22	1.092	IO					6.62
34.083	0.00	0.22	1.090	IO					6.62
34.167	0.00	0.22	1.089	IO					6.61
34.250	0.00	0.22	1.087	IO					6.61
34.333	0.00	0.22	1.086	IO					6.60
34.417	0.00	0.22	1.084	IO					6.60
34.500	0.00	0.22	1.083	IO					6.59
34.583	0.00	0.22	1.081	IO					6.58
34.667	0.00	0.22	1.080	IO					6.58
34.750	0.00	0.22	1.078	IO					6.57
34.833	0.00	0.22	1.077	IO					6.57
34.917	0.00	0.22	1.075	IO					6.56
35.000	0.00	0.22	1.074	IO					6.56
35.083	0.00	0.22	1.072	IO					6.55
35.167	0.00	0.22	1.071	IO					6.55
35.250	0.00	0.22	1.069	IO					6.54
35.333	0.00	0.22	1.068	IO					6.54
35.417	0.00	0.21	1.066	IO					6.53
35.500	0.00	0.21	1.065	IO					6.53
35.583	0.00	0.21	1.063	IO					6.52
35.667	0.00	0.21	1.062	IO					6.52
35.750	0.00	0.21	1.060	IO					6.51
35.833	0.00	0.21	1.059	IO					6.51
35.917	0.00	0.21	1.057	IO					6.50
36.000	0.00	0.21	1.056	IO					6.50
36.083	0.00	0.21	1.054	IO					6.49
36.167	0.00	0.21	1.053	IO					6.49
36.250	0.00	0.21	1.052	IO					6.48
36.333	0.00	0.21	1.050	IO					6.48
36.417	0.00	0.21	1.049	IO					6.47
36.500	0.00	0.21	1.047	IO					6.47
36.583	0.00	0.21	1.046	IO					6.46
36.667	0.00	0.21	1.044	IO					6.46
36.750	0.00	0.21	1.043	IO					6.45
36.833	0.00	0.21	1.042	IO					6.45
36.917	0.00	0.20	1.040	IO					6.44
37.000	0.00	0.20	1.039	IO					6.44
37.083	0.00	0.20	1.037	IO					6.43
37.167	0.00	0.20	1.036	IO					6.43
37.250	0.00	0.20	1.035	IO					6.42
37.333	0.00	0.20	1.033	IO					6.42
37.417	0.00	0.20	1.032	IO					6.42
37.500	0.00	0.20	1.030	IO					6.41
37.583	0.00	0.20	1.029	IO					6.41
37.667	0.00	0.20	1.028	IO					6.40
37.750	0.00	0.20	1.026	IO					6.40

South Basin 100yr24hr

Page 6 of 9

37.833	0.00	0.20	1.025	IO					6.39
37.917	0.00	0.20	1.024	IO					6.39
38.000	0.00	0.20	1.022	IO					6.38
38.083	0.00	0.20	1.021	IO					6.38
38.167	0.00	0.20	1.019	IO					6.37
38.250	0.00	0.20	1.018	IO					6.37
38.333	0.00	0.20	1.017	IO					6.36
38.417	0.00	0.19	1.015	IO					6.36
38.500	0.00	0.19	1.014	IO					6.35
38.583	0.00	0.19	1.013	IO					6.35
38.667	0.00	0.19	1.011	IO					6.35
38.750	0.00	0.19	1.010	IO					6.34
38.833	0.00	0.19	1.009	IO					6.34
38.917	0.00	0.19	1.007	IO					6.33
39.000	0.00	0.19	1.006	IO					6.33
39.083	0.00	0.19	1.005	IO					6.32
39.167	0.00	0.19	1.004	IO					6.32
39.250	0.00	0.19	1.002	IO					6.31
39.333	0.00	0.19	1.001	IO					6.31
39.417	0.00	0.19	1.000	IO					6.30
39.500	0.00	0.19	0.998	IO					6.30
39.583	0.00	0.19	0.997	IO					6.30
39.667	0.00	0.19	0.996	IO					6.29
39.750	0.00	0.19	0.994	IO					6.29
39.833	0.00	0.19	0.993	IO					6.28
39.917	0.00	0.19	0.992	IO					6.28
40.000	0.00	0.19	0.991	IO					6.27
40.083	0.00	0.18	0.989	IO					6.27
40.167	0.00	0.18	0.988	IO					6.26
40.250	0.00	0.18	0.987	IO					6.26
40.333	0.00	0.18	0.986	IO					6.26
40.417	0.00	0.18	0.984	IO					6.25
40.500	0.00	0.18	0.983	IO					6.25
40.583	0.00	0.18	0.982	IO					6.24
40.667	0.00	0.18	0.980	IO					6.24
40.750	0.00	0.18	0.979	IO					6.23
40.833	0.00	0.18	0.978	IO					6.23
40.917	0.00	0.18	0.977	IO					6.23
41.000	0.00	0.18	0.976	IO					6.22
41.083	0.00	0.18	0.974	IO					6.22
41.167	0.00	0.18	0.973	IO					6.21
41.250	0.00	0.18	0.972	IO					6.21
41.333	0.00	0.18	0.971	IO					6.20
41.417	0.00	0.18	0.969	IO					6.20
41.500	0.00	0.18	0.968	IO					6.20
41.583	0.00	0.18	0.967	IO					6.19
41.667	0.00	0.18	0.966	IO					6.19
41.750	0.00	0.17	0.965	IO					6.18
41.833	0.00	0.17	0.963	IO					6.18
41.917	0.00	0.17	0.962	IO					6.18
42.000	0.00	0.17	0.961	IO					6.17
42.083	0.00	0.17	0.960	IO					6.17
42.167	0.00	0.17	0.959	IO					6.16
42.250	0.00	0.17	0.957	IO					6.16
42.333	0.00	0.17	0.956	IO					6.16
42.417	0.00	0.17	0.955	IO					6.15
42.500	0.00	0.17	0.954	IO					6.15
42.583	0.00	0.17	0.953	IO					6.14
42.667	0.00	0.17	0.951	IO					6.14
42.750	0.00	0.17	0.950	IO					6.14
42.833	0.00	0.17	0.949	IO					6.13
42.917	0.00	0.17	0.948	IO					6.13
43.000	0.00	0.17	0.947	IO					6.12
43.083	0.00	0.17	0.946	IO					6.12
43.167	0.00	0.17	0.945	IO					6.12
43.250	0.00	0.17	0.943	IO					6.11
43.333	0.00	0.17	0.942	IO					6.11
43.417	0.00	0.17	0.941	IO					6.10
43.500	0.00	0.17	0.940	IO					6.10
43.583	0.00	0.16	0.939	IO					6.10
43.667	0.00	0.16	0.938	IO					6.09
43.750	0.00	0.16	0.937	IO					6.09
43.833	0.00	0.16	0.935	IO					6.08
43.917	0.00	0.16	0.934	IO					6.08
44.000	0.00	0.16	0.933	IO					6.08
44.083	0.00	0.16	0.932	IO					6.07
44.167	0.00	0.16	0.931	IO					6.07
44.250	0.00	0.16	0.930	IO					6.06
44.333	0.00	0.16	0.929	IO					6.06
44.417	0.00	0.16	0.928	IO					6.06
44.500	0.00	0.16	0.926	IO					6.05
44.583	0.00	0.16	0.925	IO					6.05
44.667	0.00	0.16	0.924	IO					6.05
44.750	0.00	0.16	0.923	IO					6.04
44.833	0.00	0.16	0.922	IO					6.04
44.917	0.00	0.16	0.921	IO					6.03
45.000	0.00	0.16	0.920	IO					6.03

South Basin 100yr24hr

Page 7 of 9

45.083	0.00	0.16	0.919	IO					6.03
45.167	0.00	0.16	0.918	IO					6.02
45.250	0.00	0.16	0.917	IO					6.02
45.333	0.00	0.16	0.916	IO					6.02
45.417	0.00	0.16	0.915	IO					6.01
45.500	0.00	0.15	0.913	IO					6.01
45.583	0.00	0.15	0.912	IO					6.00
45.667	0.00	0.15	0.911	IO					6.00
45.750	0.00	0.15	0.910	IO					6.00
45.833	0.00	0.15	0.909	IO					5.99
45.917	0.00	0.15	0.908	IO					5.99
46.000	0.00	0.15	0.907	IO					5.98
46.083	0.00	0.15	0.906	IO					5.98
46.167	0.00	0.15	0.905	IO					5.98
46.250	0.00	0.15	0.904	IO					5.97
46.333	0.00	0.15	0.903	IO					5.97
46.417	0.00	0.15	0.902	IO					5.96
46.500	0.00	0.15	0.901	IO					5.96
46.583	0.00	0.15	0.900	IO					5.96
46.667	0.00	0.15	0.899	IO					5.95
46.750	0.00	0.15	0.898	IO					5.95
46.833	0.00	0.15	0.897	IO					5.94
46.917	0.00	0.14	0.896	IO					5.94
47.000	0.00	0.14	0.895	IO					5.93
47.083	0.00	0.14	0.894	IO					5.93
47.167	0.00	0.14	0.893	IO					5.93
47.250	0.00	0.14	0.892	IO					5.92
47.333	0.00	0.14	0.891	IO					5.92
47.417	0.00	0.14	0.890	IO					5.91
47.500	0.00	0.14	0.889	IO					5.91
47.583	0.00	0.14	0.888	IO					5.91
47.667	0.00	0.14	0.887	IO					5.90
47.750	0.00	0.14	0.886	IO					5.90
47.833	0.00	0.14	0.885	IO					5.90
47.917	0.00	0.14	0.884	IO					5.89
48.000	0.00	0.14	0.883	IO					5.89
48.083	0.00	0.14	0.882	IO					5.88
48.167	0.00	0.14	0.881	IO					5.88
48.250	0.00	0.14	0.880	IO					5.88
48.333	0.00	0.14	0.880	IO					5.87
48.417	0.00	0.13	0.879	IO					5.87
48.500	0.00	0.13	0.878	IO					5.87
48.583	0.00	0.13	0.877	O					5.86
48.667	0.00	0.13	0.876	O					5.86
48.750	0.00	0.13	0.875	O					5.85
48.833	0.00	0.13	0.874	O					5.85
48.917	0.00	0.13	0.873	O					5.85
49.000	0.00	0.13	0.872	O					5.84
49.083	0.00	0.13	0.871	O					5.84
49.167	0.00	0.13	0.870	O					5.84
49.250	0.00	0.13	0.870	O					5.83
49.333	0.00	0.13	0.869	O					5.83
49.417	0.00	0.13	0.868	O					5.82
49.500	0.00	0.13	0.867	O					5.82
49.583	0.00	0.13	0.866	O					5.82
49.667	0.00	0.13	0.865	O					5.81
49.750	0.00	0.13	0.864	O					5.81
49.833	0.00	0.13	0.863	O					5.81
49.917	0.00	0.12	0.863	O					5.80
50.000	0.00	0.12	0.862	O					5.80
50.083	0.00	0.12	0.861	O					5.80
50.167	0.00	0.12	0.860	O					5.79
50.250	0.00	0.12	0.859	O					5.79
50.333	0.00	0.12	0.858	O					5.79
50.417	0.00	0.12	0.857	O					5.78
50.500	0.00	0.12	0.857	O					5.78
50.583	0.00	0.12	0.856	O					5.78
50.667	0.00	0.12	0.855	O					5.77
50.750	0.00	0.12	0.854	O					5.77
50.833	0.00	0.12	0.853	O					5.77
50.917	0.00	0.12	0.852	O					5.76
51.000	0.00	0.12	0.852	O					5.76
51.083	0.00	0.12	0.851	O					5.76
51.167	0.00	0.12	0.850	O					5.75
51.250	0.00	0.12	0.849	O					5.75
51.333	0.00	0.12	0.848	O					5.75
51.417	0.00	0.12	0.848	O					5.74
51.500	0.00	0.12	0.847	O					5.74
51.583	0.00	0.12	0.846	O					5.74
51.667	0.00	0.11	0.845	O					5.73
51.750	0.00	0.11	0.844	O					5.73
51.833	0.00	0.11	0.844	O					5.73
51.917	0.00	0.11	0.843	O					5.72
52.000	0.00	0.11	0.842	O					5.72
52.083	0.00	0.11	0.841	O					5.72
52.167	0.00	0.11	0.841	O					5.71
52.250	0.00	0.11	0.840	O					5.71

South Basin 100yr24hr

Page 8 of 9

52.333	0.00	0.11	0.839	0					5.71
52.417	0.00	0.11	0.838	0					5.71
52.500	0.00	0.11	0.837	0					5.70
52.583	0.00	0.11	0.837	0					5.70
52.667	0.00	0.11	0.836	0					5.70
52.750	0.00	0.11	0.835	0					5.69
52.833	0.00	0.11	0.834	0					5.69
52.917	0.00	0.11	0.834	0					5.69
53.000	0.00	0.11	0.833	0					5.68
53.083	0.00	0.11	0.832	0					5.68
53.167	0.00	0.11	0.832	0					5.68
53.250	0.00	0.11	0.831	0					5.68
53.333	0.00	0.11	0.830	0					5.67
53.417	0.00	0.11	0.829	0					5.67
53.500	0.00	0.10	0.829	0					5.67
53.583	0.00	0.10	0.828	0					5.66
53.667	0.00	0.10	0.827	0					5.66
53.750	0.00	0.10	0.826	0					5.66
53.833	0.00	0.10	0.826	0					5.65
53.917	0.00	0.10	0.825	0					5.65
54.000	0.00	0.10	0.824	0					5.65
54.083	0.00	0.10	0.824	0					5.65
54.167	0.00	0.10	0.823	0					5.64
54.250	0.00	0.10	0.822	0					5.64
54.333	0.00	0.10	0.822	0					5.64
54.417	0.00	0.10	0.821	0					5.64

Remaining water in basin = 0.82 (Ac.Ft)

```

*****HYDROGRAPH DATA*****
      Number of intervals = 653
      Time interval = 5.0 (Min.)
      Maximum/Peak flow rate = 2.965 (CFS)
      Total volume = 1.503 (Ac.Ft)
      Status of hydrographs being held in storage
      Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
      Peak (CFS) 0.000 0.000 0.000 0.000 0.000
      Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000
*****

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Section 6

Riverside County Plates

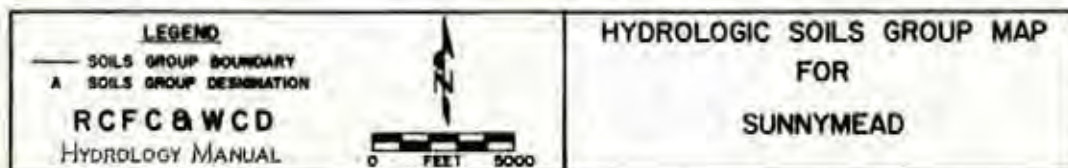


PLATE C-1.17

RUNOFF INDEX NUMBERS OF HYDROLOGIC SOIL-COVER COMPLEXES FOR PERVIOUS AREAS-AMC II					
Cover Type (3)	Quality of Cover (2)	Soil Group			
		A	B	C	D
<u>NATURAL COVERS -</u>					
Barren (Rockland, eroded and graded land)		78	86	91	93
Chaparral, Broadleaf (Manzonita, ceanothus and scrub oak)	Poor	53	70	80	85
	Fair	40	63	75	81
	Good	31	57	71	78
Chaparral, Narrowleaf (Chamise and redshank)	Poor	71	82	88	91
	Fair	55	72	81	86
Grass, Annual or Perennial	Poor	67	78	86	89
	Fair	50	69	79	84
	Good	38	61	74	80
Meadows or Cienegas (Areas with seasonally high water table, principal vegetation is sod forming grass)	Poor	63	77	85	88
	Fair	51	70	80	84
	Good	30	58	72	78
Open Brush (Soft wood shrubs - buckwheat, sage, etc.)	Poor	62	76	84	88
	Fair	46	66	77	83
	Good	41	63	75	81
Woodland (Coniferous or broadleaf trees predominate. Canopy density is at least 50 percent)	Poor	45	66	77	83
	Fair	36	60	73	79
	Good	28	55	70	77
Woodland, Grass (Coniferous or broadleaf trees with canopy density from 20 to 50 percent)	Poor	57	73	82	86
	Fair	44	65	77	82
	Good	33	58	72	79
<u>URBAN COVERS -</u>					
Residential or Commercial Landscaping (Lawn, shrubs, etc.)	Good	32	56	69	75
Turf (Irrigated and mowed grass)	Poor	58	74	83	87
	Fair	44	65	77	82
	Good	33	58	72	79
<u>AGRICULTURAL COVERS -</u>					
Fallow (Land plowed but not tilled or seeded)		76	85	90	92

RCFC & WCD
HYDROLOGY MANUAL

RUNOFF INDEX NUMBERS
FOR
PERVIOUS AREA

PLATE D-5.5 (1 of 2)

ACTUAL IMPERVIOUS COVER		
Land Use (1)	Range-Percent	Recommended Value For Average Conditions-Percent(2)
Natural or Agriculture	0 - 10	0
Single Family Residential: (3)		
40,000 S. F. (1 Acre) Lots	10 - 25	20
20,000 S. F. (½ Acre) Lots	30 - 45	40
7,200 - 10,000 S. F. Lots	45 - 55	50
Multiple Family Residential:		
Condominiums	45 - 70	65
Apartments	65 - 90	80
Mobile Home Park	60 - 85	75
Commercial, Downtown Business or Industrial	80 -100	90
Notes: 1. Land use should be based on ultimate development of the watershed. Long range master plans for the County and incorporated cities should be reviewed to insure reasonable land use assumptions. 2. Recommended values are based on average conditions which may not apply to a particular study area. The percentage impervious may vary greatly even on comparable sized lots due to differences in dwelling size, improvements, etc. Landscape practices should also be considered as it is common in some areas to use ornamental gravels underlain by impervious plastic materials in place of lawns and shrubs. A field investigation of a study area should always be made, and a review of aerial photos, where available may assist in estimating the percentage of impervious cover in developed areas. 3. For typical horse ranch subdivisions increase impervious area 5 percent over the values recommended in the table above.		
RCFC & WCD HYDROLOGY MANUAL		IMPERVIOUS COVER FOR DEVELOPED AREAS

PLATE D-5.6











BENCHMARK: ELEV. 606.9
TWO WINGING DART BUDG. 104.25%

RIVERSIDE COUNTY, M.L.
34-1-64, BRASS DISK IN TOP
OF CONCRETE POST AT THE S.E.

34-1, DATE 5-77.

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→ 88

FILE 9-23-05

RECEIVED BY: *RK*

$$\frac{y^0/n/y}{1}$$

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