RAINBOW VALLEY
Area Drainage Master Plan
Contract FCD 2006C029

Technical Data Notebook
Hydrology Report
Volume II

Submittted to

Flood Control District of Maricopa County

Submittted by

URS

in cooperation with

Dibble Engineering

JE FULLER HYDROLOGY & GEOMORPHOLOGY, INC.

October 2010

Rainbow Valley Area Drainage Master Plan:

Technical Data Notebook

Hydrology Report

Volume 2 of 4

Prepared for:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

Exp Date: 6-30-11

Prepared by:

URS CORPORATION

EXPIRES 9.30.2011

October 2010

D.1 PRECIPITATION DATA AND GAGE ANALYSIS

1

Program PeakFq
Ver. 5.2
11/01/2007

U. S. GEOLOGICAL SURVEY
Annual peak flow frequency analysis
following Bulletin 17-B Guidelines

Seq.000.000
Run Date / Time
08/17/2009 16:48

--- PROCESSING OPTIONS ---

Plot option = None
Basin char output = None
Print option = Yes
Debug print = No
Input peaks listing = Long
Input peaks format = WATSTORE peak file

Input files used:
peaks (ascii) - C:\TMP\PEAKFQ\CA67G1ER.TXT

specifications - PKFQWPSF.TMP

Output file(s):
main - C:\TMP\PEAKFQ\CA67G1ER.PRT

1

Program PeakFq
Ver. 5.2
11/01/2007

U. S. GEOLOGICAL SURVEY
Annual peak flow frequency analysis
following Bulletin 17-B Guidelines

Seq.001.001
Run Date / Time
08/17/2009 16:48

Station - 09514200 WATERMAN WASH NEAR BUCKEYE, ARIZ.

I N P U T D A T A S U M M A R Y

Number of peaks in record	=	33
Peaks not used in analysis	=	0
Systematic peaks in analysis	=	33
Historic peaks in analysis	=	0
Years of historic record	=	0
Generalized skew	=	-0.081
Standard error	=	0.550
Mean Square error	=	0.303
Skew option	=	STATION SKEW
Gage base discharge	=	0.0
User supplied high outlier threshold	=	--
User supplied low outlier criterion	=	--
Plotting position parameter	=	0.00

********* NOTICE -- Preliminary machine computations. *********
********* User responsible for assessment and interpretation. *********

WCF133I-SYSTEMATIC PEAKS BELOW GAGE BASE WERE NOTED. 3 0.0
WCF198I-LOW OUTLIERS BELOW FLOOD BASE WERE DROPPED. 1 105.6
WCF163I-NO HIGH OUTLIERS OR HISTORIC PEAKS EXCEEDED HHBASE. 15817.1
*WCF151I-17B WEIGHTED SKEW REPLACED BY USER OPTION. 0.126 0.243 -1

1

Program PeakFq
Ver. 5.2

U. S. GEOLOGICAL SURVEY
Annual peak flow frequency analysis

Seq.001.002
Run Date / Time

Station - 09514200 WATERMAN WASH NEAR BUCKEYE, ARIZ.

ANNUAL FREQUENCY CURVE PARAMETERS -- LOG-PEARSON TYPE III

	FLOOD BASE		LOGARITHMIC		
	DISCHARGE	EXCEEDANCE PROBABILITY	MEAN	STANDARD DEVIATION	SKEW
SYSTEMATIC RECORD	0.0	0.9091	3.0534	0.4595	-0.281
BULL.17B ESTIMATE	105.6	0.8788	3.0822	0.4081	0.243

ANNUAL FREQUENCY CURVE -- DISCHARGES AT SELECTED EXCEEDANCE PROBABILITIES

ANNUAL EXCEEDANCE PROBABILITY	BULL.17B ESTIMATE	SYSTEMATIC RECORD	'EXPECTED PROBABILITY' ESTIMATE	95-PCT CONFIDENCE LIMITS FOR BULL. 17B ESTIMATES LOWER	UPPER
0.9000	--	283.4	--	--	--
0.8000	543.0	472.4	531.7	379.0	724.8
0.6667	782.3	747.7	775.2	574.0	1026.0
0.5000	1163.0	1188.0	1163.0	881.9	1529.0
0.4292	1377.0	1432.0	1381.0	1050.0	1825.0
0.2000	2630.0	2787.0	2694.0	1973.0	3755.0
0.1000	4117.0	4235.0	4323.0	2970.0	6360.0
0.0400	6754.0	6484.0	7402.0	4597.0	11550.0
0.0200	9386.0	8446.0	10710.0	6115.0	17270.0
0.0100	12700.0	10640.0	15200.0	7927.0	25040.0
0.0050	16830.0	13060.0	21290.0	10080.0	35470.0
0.0020	23850.0	16620.0	32790.0	13550.0	54630.0

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Program PeakFq U. S. GEOLOGICAL SURVEY Seq.001.003
Ver. 5.2 Annual peak flow frequency analysis Run Date / Time
11/01/2007 following Bulletin 17-B Guidelines 08/17/2009 16:48

Station - 09514200 WATERMAN WASH NEAR BUCKEYE, ARIZ.

I N P U T D A T A L I S T I N G

WATER YEAR	DISCHARGE	CODES	WATER YEAR	DISCHARGE	CODES
1964	2680.0		1982	1660.0	
1965	1200.0		1983	985.0	
1966	5560.0		1984	3520.0	
1967	6300.0		1985	950.0	
1968	560.0		1986	1500.0	
1969	400.0		1987	0.0	
1970	1600.0		1988	1430.0	
1971	2080.0		1989	402.0	
1972	2000.0		1990	6310.0	
1973	0.0		1991	413.0	
1974	100.0		1992	1770.0	
1975	1200.0		1993	670.0	
1976	1180.0		1996	1470.0	

1977	740.0	1997	9400.0
1978	1150.0	1998	325.0
1980	2220.0	1999	916.0
1981	0.0		

Explanation of peak discharge qualification codes

PeakFQ CODE	NWIS CODE	DEFINITION
D	3	Dam failure, non-recurrent flow anomaly
G	8	Discharge greater than stated value
X	3+8	Both of the above
L	4	Discharge less than stated value
K	6 OR C	Known effect of regulation or urbanization
H	7	Historic peak

\- Minus-flagged discharge -- Not used in computation
-8888.0 -- No discharge value given
\- Minus-flagged water year -- Historic peak used in computation

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Program PeakFq
Ver. 5.2
11/01/2007

U. S. GEOLOGICAL SURVEY
Annual peak flow frequency analysis
following Bulletin 17-B Guidelines

Seq.001.004
Run Date / Time
08/17/2009 16:48

Station - 09514200 WATERMAN WASH NEAR BUCKEYE, ARIZ.

EMPIRICAL FREQUENCY CURVES -- WEIBULL PLOTTING POSITIONS

WATER YEAR	RANKED DISCHARGE	SYSTEMATIC RECORD	BULL.17B ESTIMATE
1997	9400.0	0.0294	0.0294
1990	6310.0	0.0588	0.0588
1967	6300.0	0.0882	0.0882
1966	5560.0	0.1176	0.1176
1984	3520.0	0.1471	0.1471
1964	2680.0	0.1765	0.1765
1980	2220.0	0.2059	0.2059
1971	2080.0	0.2353	0.2353
1972	2000.0	0.2647	0.2647
1992	1770.0	0.2941	0.2941
1982	1660.0	0.3235	0.3235
1970	1600.0	0.3529	0.3529
1986	1500.0	0.3824	0.3824
1996	1470.0	0.4118	0.4118
1988	1430.0	0.4412	0.4412
1965	1200.0	0.4706	0.4706
1975	1200.0	0.5000	0.5000
1976	1180.0	0.5294	0.5294
1978	1150.0	0.5588	0.5588
1983	985.0	0.5882	0.5882
1985	950.0	0.6176	0.6176
1999	916.0	0.6471	0.6471
1977	740.0	0.6765	0.6765
1993	670.0	0.7059	0.7059

1968	560.0	0.7353	0.7353
1991	413.0	0.7647	0.7647
1989	402.0	0.7941	0.7941
1969	400.0	0.8235	0.8235
1998	325.0	0.8529	0.8529
1974	100.0	0.8824	0.8824
1973	0.0	--	--
1981	0.0	--	--
1987	0.0	--	--

1

End PeakFQ analysis.

Stations processed	:	1
Number of errors	:	0
Stations skipped	:	0
Station years	:	33

Data records may have been ignored for the stations listed below.
(Card type must be Y, Z, N, H, I, 2, 3, 4, or *.)
(2, 4, and * records are ignored.)

For the station below, the following records were ignored:

FINISHED PROCESSING STATION: 09514200 USGS WATERMAN WASH NEAR BUCKEYE, A

For the station below, the following records were ignored:

FINISHED PROCESSING STATION:

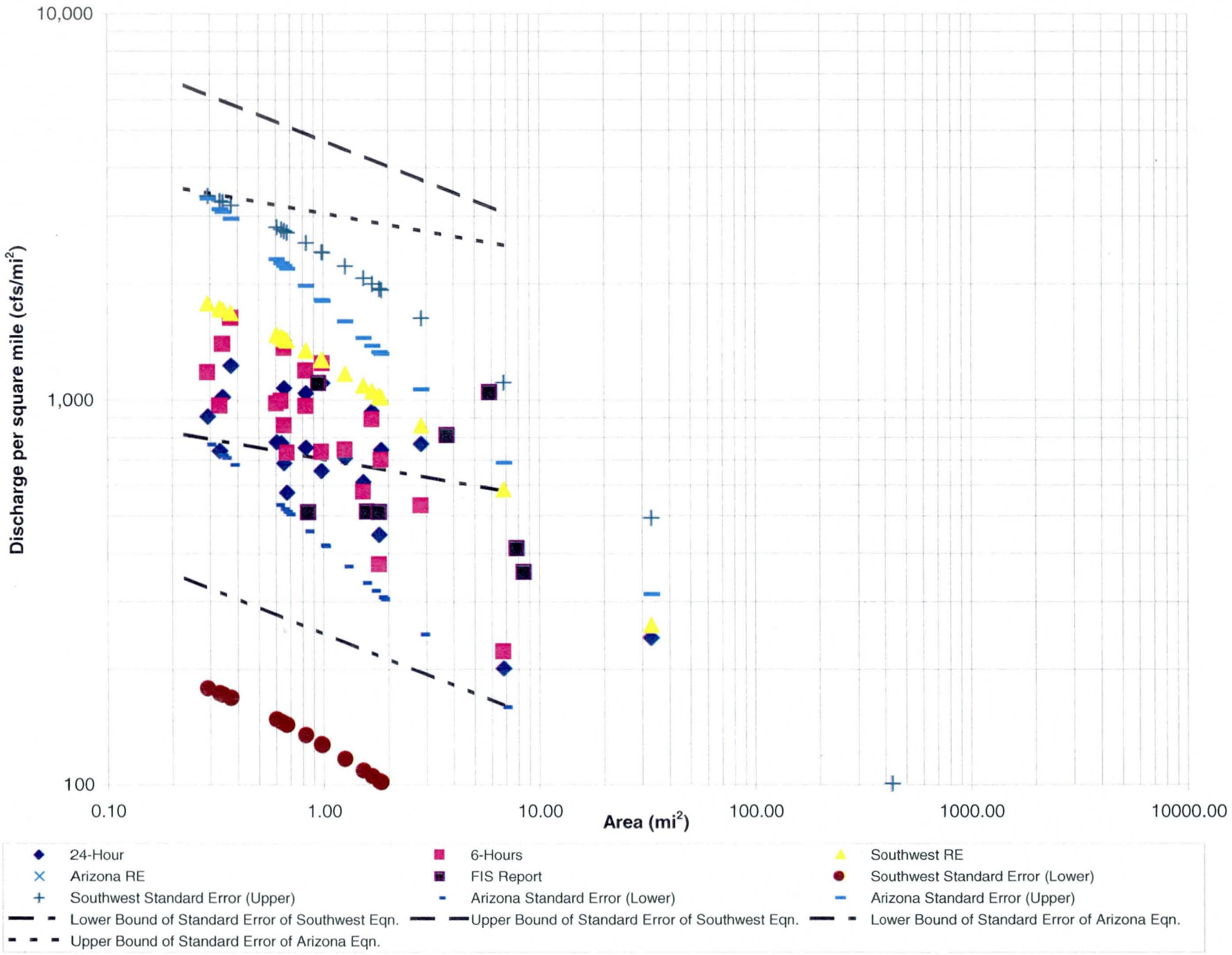
NOAA14 VS NOAA2 COMPARISON TABLE

Point ID	Location	Longitude	Latitude	NOAA 14 Rainfall (in)	NOAA 2 Rainfall (in)	Percent Reduction
1	Estrella Mountain Ranch	-112.482	33.338	3.42	4.18	18.2%
2	Plains in Basin A	-112.520	33.264	3.44	4.16	17.3%
3	Northern Portion of the Estrella Mountains	-112.339	33.308	3.42	4.61	25.8%
4	Waterhsed B just upstream of Waterman Wash	-112.415	33.196	3.23	4.42	26.9%
5	Upper Plains between the Moutnains in Basin G	-112.234	33.166	3.39	4.63	26.8%
6	Maricopa Mountains in the middle of Basin C	-112.397	33.083	3.40	4.43	23.3%
7	Southern Portion of the Maricopa Mountains	-112.360	32.940	3.65	4.52	19.2%
8	Booth Hills	-112.248	32.975	3.60	4.55	20.9%
			Average	3.44	4.44	22.4%

Flood Control District of Maricopa County
Drainage Design Management System
RAINFALL DATA
Project Reference: SUB BASIN A

8/17/2009

Duration	2 Year	5 Year	10 Year	25 Year	50 Year	100 Year
Rainfall Method: NOAA14						
5 MIN	0.269	0.367	0.439	0.535	0.607	0.679
10 MIN	0.410	0.558	0.669	0.815	0.924	1.034
15 MIN	0.508	0.692	0.829	1.010	1.146	1.281
30 MIN	0.684	0.932	1.116	1.360	1.543	1.726
1 HOUR	0.846	1.154	1.381	1.683	1.909	2.136
2 HOUR	0.926	1.246	1.492	1.823	2.076	2.342
3 HOUR	0.965	1.280	1.528	1.879	2.160	2.455
6 HOUR	1.117	1.446	1.711	2.075	2.365	2.668
12 HOUR	1.221	1.568	1.843	2.218	2.509	2.812
24 HOUR	1.444	1.871	2.209	2.681	3.050	3.438


Discharge per Unit Area vs. Basin Area 4.G1
10,000
1,000
100
Discharge per square mile (cfs/mi²)
0.10
1.00
10.00
100.00
1000.00
10000.00
Area (mi²)
24-Hour
6-Hours
Southwest RE
Arizona RE
FIS Report
Southwest Standard Error (Lower)
Southwest Standard Error (Upper)
Arizona Standard Error (Lower)
Arizona Standard Error (Upper)
Lower Bound of Standard Error of Southwest Eqn.
Upper Bound of Standard Error of Southwest Eqn.
Lower Bound of Standard Error of Arizona Eqn.
Upper Bound of Standard Error of Arizona Eqn.

Soil ID	Map Unit	XKSAT	Rock Percent	Description
Book Number: 645				
6451	1	0.41	0.00	Antho sandy loams
6452	2	0.41	0.00	Antho gravelly sandy loams
6453	3	0.58	0.00	Antho-Carrizo-Maripo complex
6454	4	0.58	0.00	Antho-Carrizo-Maripo complex, low precipitation
6455	5	0.43	0.00	Anthony sandy loam
6456	6	0.62	0.00	Anthony-Arizo complex
6457	7	0.62	0.00	Anthony-Arizo complex, low precipitation
6458	8	0.96	0.00	Arizo cobbly sandy loam
6459	9	0.27	0.00	Beeline-Cipriano complex, 3 to 45 percent slopes
64510	10	0.94	0.00	Brios-Carrizo complex, 1 to 5 percent slopes
64511	11	0.94	0.00	Brios-Carrizo complex, low precipitation, 1 to 5 percent slopes
64512	12	0.01	0.00	Carefree cobbly clay loam, 1 to 8 percent slopes
64513	13	0.01	0.00	Carefree-Beardsley complex
64514	14	1.04	0.00	Carrizo very gravelly sand
64515	15	0.54	0.00	Carrizo-Gunsight complex, 1 to 5 percent slopes
64516	16	0.44	15.00	Cellar-Rock outcrop complex, 10 to 70 percent slopes
64517	17	0.44	15.00	Cellar-Rock outcrop complex, low precipitation, 10 to 70 percent
64518	18	0.33	15.00	Cheriono-Rock outcrop complex, 5 to 60 percent slopes
64519	19	0.19	0.00	Chuckawalla-Gunsight complex, 1 to 8 percent slopes
64520	20	0.19	0.00	Chuckawalla-Gunsight complex, low precipitation, 1 to 8 percent
64521	21	0.38	0.00	Cipriano very gravelly loam
64522	22	0.04	0.00	Contine clay loam
64523	23	0.01	0.00	Contine clay
64524	24	0.02	0.00	continental clay loam, 0 to 3 percent slopes
64525	25	0.02	0.00	Continental clay, 0 to 3 percent slopes
64526	26	0.01	0.00	Continental cobbly clay loam, 1 to 8 percent slopes
64527	27	0.01	0.00	Continental-Mohave complex, 1 to 7 percent slopes
64528	28	0.02	0.00	Continental-Ohaco complex
64529	29	0.34	0.00	Denure-Momoli-Carrizo complex
64530	30	0.34	0.00	Denure-Momoli-Carrizo complex, low precipitation
64531	31	0.33	35.00	Dixaleta-Rock outcrop complex, 25 to 65 percent slopes
64532	32	0.33	35.00	Dixaleta-Rock outcrop complex, low precipitation, 25 to 65 percent
64533	33	0.23	0.00	Eba very gravelly loam, 1 to 8 percent slopes
64534	34	0.23	0.00	Eba very gravelly loam, 8 to 20 percent slopes
64535	35	0.23	0.00	Eba very gravelly loam, low precipitation, 8 to 20 percent slopes
64536	36	0.07	0.00	Eba-Continental complex, 1 to 8 percent slopes
64537	37	0.13	0.00	Eba-Continental-Cave association, 3 to 20 percent slopes
64538	38	0.13	0.00	Eba-Continental-Cave association, low precipitation, 3 to 20 percent
64539	39	0.29	0.00	Eba-Nickel-Cave association, 3 to 25 percent slopes
64540	40	0.17	0.00	Eba-Pinaleno complex, 3 to 20 percent slopes
64541	41	0.17	0.00	Eba-Pinaleno complex, 20 to 40 percent slopes
64542	42	0.17	0.00	Eba-Pinaleno complex, low precipitation, 3 to 20 percent slopes
64543	43	0.17	0.00	Eba-Pinaleno complex, low precipitation, 20 to 40 percent slopes
64544	44	0.03	0.00	Ebon very gravelly loam, 1 to 8 percent slopes
64545	45	0.03	0.00	Ebon very gravelly loam, 8 to 20 percent slopes
64546	46	0.03	0.00	Ebon-Contine complex, 1 to 8 percent
64547	47	0.11	0.00	Ebon-Gunsight-Cipriano association, 3 to 25 percent slopes
64548	48	0.06	0.00	Ebon-Pinamt complex, 3 to 20 percent slopes
64549	49	0.06	0.00	Ebon-Pinamt complex, 20 to 40 percent slopes
64550	50	0.26	0.00	Estrella loams
64551	51	0.24	0.00	Gachado-Lomitas complex, 8 to 25 percent slopes
64552	52	0.16	20.00	Gachado-Lomitas-Rock outcrop complex, 7 to 55 percent slopes
64553	53	0.02	0.00	Gadsden clay
64554	54	0.29	0.00	Gila fine sandy loams
64555	55	0.27	0.00	Gilman loams
64556	56	0.27	0.00	Gilman loams, low precipitation
64557	57	0.06	0.00	Gilman clay loam
64558	58	0.34	0.00	Gilman-Momoli-Denure complex

Soil ID	Map Unit	XKSAT	Rock Percent	Description
Book Number: 645				
64559	59	0.34	0.00	Gilman-Momoli-Denure complex, low precipitation
64560	60	0.26	0.00	Glenbar loams
64561	61	0.15	0.00	Gran-Wickenburg complex, 1 to 10 percent slopes
64562	62	0.15	0.00	Gran-Wickenburg complex, low precipitation, 1 to 10 percent slopes
64563	63	0.14	25.00	Gran-Wickenburg-Rock outcrop complex, 1 to 7 percent slopes
64564	64	0.14	25.00	Gran-Wickenburg-Rock outcrop complex, low precipitation, 10 to 65
64565	65	0.19	0.00	Greyeagle-Continental-Nickel association, 1 to 40 percent slopes
64566	66	0.23	0.00	Greyeagle-Suncity Variant complex, 1 to 7 percent slopes
64567	67	0.01	0.00	Guest clay
64568	68	0.63	0.00	Gunsight-Cipriano complex, 1 to 7 percent slopes
64569	69	0.63	0.00	Gunsight-Cipriano complex, low precipitation, 1 to 7 percent slopes
64570	70	0.36	0.00	Gunsight-Rillito complex, 1 to 25 percent slopes
64571	71	0.36	0.00	Gunsight-Rillito complex, low precipitation, 1 to 40 percent slopes
64572	72	0.09	30.00	Lehmans-Rock outcrop complex, 8 to 65 percent slopes
64573	73	0.09	30.00	Lehmans-Rock outcrop complex, low precipitation, 8 to 65 percent
64574	74	0.08	0.00	Luke-Cipriano association, 1 to 15 percent slopes
64575	75	0.23	0.00	Mohall loam
64576	76	0.23	0.00	Mohall loam, calcareous solum
64577	77	0.05	0.00	Mohall clay loam
64578	78	0.05	0.00	Mohall clay loam, calcareous solum
64579	79	0.02	0.00	Mohall clay
64580	80	0.08	0.00	Mohall-Tremant complex, 1 to 8 percent slopes
64581	81	0.08	0.00	Mohall-Tremant complex, low precipitation, 1 to 8 percent slopes
64582	82	0.04	0.00	Mohave sandy loam
64583	83	0.04	0.00	Mohave loam
64584	84	0.05	0.00	Mohave loam, calcareous solum
64585	85	0.04	0.00	Mohave clay loam
64586	86	0.05	0.00	Mohave clay loam, calcareous solum
64587	87	0.04	0.00	Mohave complex
64588	88	0.02	0.00	Mohave-Guest complex
64589	89	0.06	0.00	Mohave-Tres Hermanos complex, 1 to 8 percent slopes
64590	90	0.39	0.00	Momoli gravelly sandy loam, 1 to 5 percent slopes
64591	91	0.93	0.00	Momoli-Carrizo complex
64592	92	0.93	0.00	Momoli-Carrizo complex, low precipitation
64593	93	0.33	0.00	Nickel-Cave complex, 8 to 30 percent slopes
64594	94	0.33	0.00	Nickel-Cave complex, low precipitation, 8 to 30 percent slopes
64595	95	0.04	0.00	Ohaco gravelly loam
64596	96	0.07	0.00	Pinaleno-Tres Hermanos complex, 1 to 10 percent slopes
64597	97	0.07	0.00	Pinaleno-Tres Hermanos complex, low precipitation, 1 to 10 percent
64598	98	0.37	0.00	Pinamt-Tremant complex, 1 to 10 percent slopes
64599	99	0.37	0.00	Pinamt-Tremant complex, low precipitation, 1 to 10 percent slopes
645100	100	0.40	20.00	Quilotosa-Vaiva-Rock outcrop complex, 20 to 65 percent slopes
645101	101	0.28	0.00	Rillito loam, 0 to 3 percent slopes
645102	102	0.40	0.00	Rillito gravelly loam, 1 to 8 percent slopes
645103	103	0.10	65.00	Rock outcrop-Gachado complex, 5 to 55 percent slopes
645104	104	0.14	60.00	Rock outcrop-Lehmans complex, 15 to 65 percent slopes
645105	105	0.14	60.00	Rock outcrop-Lehmans complex, low precipitation, 15 to 65 percent
645106	106	0.18	0.00	Sal-Cipriano complex, 1 to 10 percent slopes
645107	107	0.18	0.00	Sal-Cipriano complex, low precipitation, 1 to 10 percent slopes
645108	108	0.31	30.00	Schenco-Rock outcrop complex, 3 to 25 percent slopes
645109	109	0.35	35.00	Schenco-Rock outcrop complex, 25 to 60 percent slopes
645110	110	0.13	0.00	Suncity-Cipriano complex, 1 to 7 percent slopes
645111	111	0.40	0.00	Torriorthents, 15 to 40 percent slopes
645112	112	0.39	0.00	Tremant gravelly sandy loams
645113	113	0.39	0.00	Tremant gravelly loams
645114	114	0.39	0.00	Tremant gravelly loams, low precipitation
645115	115	0.39	0.00	Tremant-Antho complex, 1 to 5 percent slopes
645116	116	0.23	0.00	Tremant-Gunsight-Rillito complex, 1 to 5 percent slopes

Soil ID	Map Unit	XKSAT	Rock Percent	Description
Book Number: 645				
645117	117	0.23	0.00	Tremant-Gunsight-Rillito complex, low precipitation, 1 to 5 percent s
645118	118	0.42	0.00	Tremant-Rillito complex
645119	119	0.14	0.00	Tremant-Suncity complex, 1 to 8 percent slopes
645120	120	0.06	0.00	Tres Hermanos gravelly sandy loams
645121	121	0.12	0.00	Tres Hermanos-Anthony complex, 1 to 5 percent slopes
645122	122	0.33	0.00	Vado gravelly sandy loam, 1 to 5 percent slopes
645123	123	0.37	0.00	Vaiva very gravelly loam, 1 to 20 percent slopes
645124	124	0.39	0.00	Valencia sandy loams
645125	125	0.43	0.00	Vint loamy fine sand
645126	126	0.00	0.00	
Book Number: 651				
65164	W	0.00	0.00	Lakes, ponds, reservoirs - perennial
6512021	Aa	0.26	0.00	Agualt loam
6512025	Ac	0.39	0.00	Antho sandy loam, saline-alkali
6512029	Ae	0.39	0.00	Antho-Brios sandy loams
6512042	AL	0.40	0.00	Antho association
6512044	AM	0.39	0.00	Antho-Valencia association
6512047	An	0.05	0.00	Avonda clay loam
6512049	Ao	0.04	0.00	Avondale clay loam
6512051	Ap	0.04	0.00	Avondale clay loam, saline-alkali
6512228	BE	0.24	0.00	Beardsley loam
6512255	Br	1.05	0.00	Brios loamy sand
6512257	Bs	0.39	0.00	Brios sandy loam
6512259	Bt	0.25	0.00	Brios loam
6512423	Cb	0.40	0.00	Carrizo gravelly sandy loam
6512430	CF	0.50	0.00	Carrizo and Brios soils
6512433	Cg	0.24	0.00	Casa Grande Sandy loam
6512435	Ch	0.24	0.00	Casa Grande loam
6512441	Ck	0.30	0.00	Casa Grande complex
6512445	Cm	0.26	0.00	Casa Grande-Leveen complex, alkali
6512447	Cn	0.01	0.00	Cashion clay, saline-alkali
6512448	CO	0.29	20.00	Cheriono-Rock outcrop complex
6512451	Cp	0.40	0.00	Coolidge sandy loam
6512457	Cs	0.19	0.00	Coolidge-Tremant complex
6512462	CV	0.39	0.00	Coolidge-Laveen association
6512647	Dn	1.20	0.00	Dune land
6512857	Es	0.25	0.00	Estrella loam
6512859	Et	0.25	0.00	Estrella loam, saline-alkali
6513220	GA	0.10	40.00	Gachado-Rock outcrop complex
6513223	Gb	0.04	0.00	Gadsden clay loam
6513225	Gc	0.01	0.00	Gadsden clay
6513227	Gd	0.01	0.00	Gadsden clay, saline-alkali
6513229	Ge	0.26	0.00	Gilman fine sandy loam
6513231	Gf	0.24	0.00	Gilman fine sandy loam, saline-alkali
6513235	Gh	0.24	0.00	Gilman loam, saline-alkali
6513242	GL	0.25	0.00	Gilman complex, saline-alkali
6513244	GM	0.29	0.00	Gilman-Antho association
6513246	GN	0.25	0.00	Gilman-Laveen association
6513251	Gp	0.24	0.00	Gilman loam, clayey subsoil variant, moderately saline
6513255	Gr	0.23	0.00	Glenbar loam
6513257	Gs	0.23	0.00	Glenbar loam, saline-alkali
6513259	Gt	0.04	0.00	Glenbar clay loam
6513261	Gu	0.04	0.00	Glenbar clay loam, saline-alkali
6513263	Gv	0.01	0.00	Glenbar clay
6513444	HM	0.15	0.00	Harqua-Laveen complex
6514221	La	0.26	0.00	La Palma very fine sandy loam
6514223	Lb	0.40	0.00	Laveen sandy loam
6514227	Ld	0.25	0.00	Laveen loam, saline-alkali

Soil ID	Map Unit	XKSAT	Rock Percent	Description
Book Number: 651				
6514229	Le	0.04	0.00	Laveen clay loam
6514231	Lf	0.33	0.00	Laveen-Antho complex, saline-alkali
6514421	Ma	0.40	0.00	Maripo sandy loam
6514449	Mo	0.39	0.00	Mohall sandy loam
6514451	Mp	0.25	0.00	Mohall loam
6514455	Mr	0.05	0.00	Mohall clay loam
6514457	Ms	0.01	0.00	Mohall clay
6514462	MV	0.15	0.00	Mohall-Laveen association
6515021	Pa	0.40	0.00	Perryville sandy loam
6515023	Pb	0.38	0.00	Perryville loam, saline-alkali
6515058	PT	0.40	0.00	Pinal gravelly loam
6515456	RS	0.40	65.00	Rock outcrop-Cherioni complex
6515821	Ta	0.25	0.00	Toltec loam
6515822	TB	0.40	0.00	Torrifluvents
6515825	Tc	0.40	0.00	Torriorthents
6515826	TD	1.20	0.00	Torripsamments and Torrifluvents, frequently flooded
6515829	Te	0.25	0.00	Tremant loam
6515833	Tg	0.04	0.00	Tremant clay loam
6515835	Th	0.04	0.00	Tremant gravelly clay loam
6515859	Tt	0.04	0.00	Trix clay loam
6515861	Tu	0.25	0.00	Tucson loam
6515865	Tw	0.05	0.00	Tucson clay loam
6516221	Va	0.39	0.00	Valencia sandy loam
6516223	Vb	0.39	0.00	Valencia sandy loam, saline-alkali
6516225	Vc	0.39	0.00	Valencia gravelly sandy loam
6516229	Ve	0.25	0.00	Vecont loam
6516231	Vf	0.01	0.00	Vecont clay
6516233	Vg	0.91	0.00	Vint loamy fine sand
6516235	Vh	0.27	0.00	Vint fine sandy loam
6516241	Vk	0.26	0.00	Vint loam
6516247	Vn	0.04	0.00	Vint clay loam
6516255	Vr	0.63	0.00	Vint-Carrizo complex
6516433	Wg	0.03	0.00	Wintersburg complex
65124202	CA2	0.38	0.00	Calciorthids and Torriorthents, eroded
65132493	Go3	0.19	0.00	Gilman,Antho and Glenbar soils, severely eroded
651202320	AbA	0.38	0.00	Anthosandy loam, 0 to 1 percent slopes
651202322	AbB	0.39	0.00	Antho sandy loam, 1 to 3 percent slopes
651202720	AdA	0.40	0.00	Antho gravelly sandy loam, 0 to 1 percent slopes
651202722	AdB	0.40	0.00	Antho gravelly sandy loam, 1 to 3 percent slopes
651203120	AfA	0.38	0.00	Antho-Carrizo complex, 0 to 1 percent slopes
651203122	AfB	0.40	0.00	Antho-Carrizo complex, 1 to 3 percent slopes
651203222	AGB	0.40	0.00	Antho-Carrizo complex, 0 to 3 percent slopes
651203424	AHC	0.38	0.00	Antho-Tremant complex, 1 to 5 percent slopes
651204122	AkB	0.27	0.00	Antho-Tremant-Mohall complex, 1 to 5 percent slopes
651225036	BPI	0.00	0.00	Borrow pit
651242926	CeD	0.19	0.00	Carrizo-Ebon complex, 3 to 12 percent slopes
651245522	CrB	0.40	0.00	Coolidge gravelly sandy loam, 1 to 3 percent slopes
651282326	EbD	0.10	0.00	Ebon gravelly loam, 0 to 8 percent slopes
651285026	EPD	0.12	0.00	Ebon-Pinamt complex, 0 to 10 percent slopes
651323320	GgA	0.25	0.00	Gilman loan, 0 to 1 percent slopes
651323322	GgB	0.26	0.00	Gilman loam, 1 to 3 percent slopes
651325036	GPI	0.00	0.00	Gravel pit
651326426	GWD	0.35	0.00	Gunsight-Pinal complex, 1 to 10 percent slopes
651326720	GxA	0.23	0.00	Gunsight-Rillito complex, 0 to 1 percent slopes
651326722	GxB	0.24	0.00	Gunsight-Rillito complex, 1 to 3 percent slopes
651326826	GYD	0.26	0.00	Gunsight-Rillito complex, 0 to 10 percent slopes
651342022	HAB	0.07	0.00	Harqua complex, 0 to 3 percent slopes
651342024	HAC	0.05	0.00	Harqua complex, 3 to 8 percent slopes

Soil ID	Map Unit	XKSAT	Rock Percent	Description
Book Number: 651				
651344224	HLC	0.14	0.00	Harqua-Gunsight complex, 0 to 5 percent slopes
651345522	HrB	0.12	0.00	Harqua-Rillito complex, 1 to 3 percent slopes
651422520	LcA	0.25	0.00	Laveen loam, 0 to 1 percent slopes
651422522	LcB	0.25	0.00	Laveen loam, 1 to 3 percent slopes
651441064	M-W	0.00	0.00	Waste stabilization pond
651445822	MTB	0.15	0.00	Mohall-Tremant complex, 0 to 3 percent slopes
651502920	PeA	0.37	0.00	Perryville gravelly loam, 0 to 1 percent slopes
651502922	PeB	0.38	0.00	Perryville gravelly loam, 1 to 3 percent slopes
651505422	PRB	0.28	0.00	Perryville-Rillito complex, 0 to 3 percent slopes
651505720	PsA	0.25	0.00	Pinal loam, 0 to 1 percent slopes
651505722	PsB	0.26	0.00	Pinal loam, 1 to 3 percent slopes
651506322	PvB	0.25	0.00	Pinal-La Palma loams, 1 to 3 percent slopes
651506422	PWB	0.38	0.00	Pinal-Suncity complex, 0 to 3 percent slopes
651506826	PYD	0.20	0.00	Pinamt-Tremant complex, 1 to 10 percent slopes
651542120	RaA	0.39	0.00	Rillito sandy loam, 0 to 1 percent slopes
651542122	RaB	0.39	0.00	Rillito sandy loam, 1 to 3 percent slopes
651542320	RbA	0.26	0.00	Rillito loam, 0 to 1 percent slopes
651542322	RbB	0.25	0.00	Rillito loam, 1 to 3 percent slopes
651543522	RhB	0.23	0.00	Rillito-Harqua complex, 1 to 3 percent slopes
651545128	RpE	0.29	0.00	Rillito-Perryville complex, 5 to 20 percent slopes
651583120	TfA	0.37	0.00	Tremant gravelly loam, 0 to 1 percent slopes
651583122	TfB	0.36	0.00	Tremant gravelly loam 1 to 3 percent slopes
651585022	TPB	0.12	0.00	Tremant complex, 0 to 3 percent slopes
651585520	TrA	0.11	0.00	Tremant-Rillito complex, 0 to 1 percent slopes
651585522	TrB	0.13	0.00	Tremant-Rillito complex, 1 to 3 percent slopes
651585624	TSC	0.14	0.00	Tremant-Rillito complex, 0 to 5 percent slopes
6514228622828	LEVEE	0.00	0.00	
Book Number: 653				
6531	1	0.00	0.00	Agualt and Ripley soils
6532	2	0.00	0.00	Agualt and Ripley soils, saline-sodic
6533	3	0.66	0.00	Ajo-Gunsight-Pompeii complex, 3 to 25 percent slopes
6534	4	0.00	0.00	Akela-Rock outcrop complex, 15 to 65 percent slopes
6535	5	0.79	0.00	Carrizo-Dateland complex, 0 to 3 percent slopes
6536	6	1.17	0.00	Carrizo-Momoli complex, 0 to 3 percent slopes
6537	7	0.40	0.00	Cherioni very cobbly fine sandy loam, 3 to 10 percent slopes
6538	8	0.00	0.00	Cherioni-Coolidge complex, 1 to 15 percent slopes
6539	9	0.59	15.00	Cipriano-Hyder-Rock outcrop complex, 15 to 65 percent slopes
65310	10	1.01	0.00	Cipriano-Momoli complex, 1 to 7 percent slopes
65311	11	0.00	0.00	Coolidge complex, 0 to 3 percent slopes
65312	12	0.35	0.00	Cuerda-Why-Lagunita complex
65313	13	0.00	0.00	Dateland very fine sandy loam
65314	14	0.27	0.00	Dateland-Cuerda complex, 0 to 3 percent slopes
65315	15	0.28	0.00	Dateland-Denure fine sandy loams, saline-sodic, 0 to 3 percent slo
65316	16	0.00	0.00	Denure sandy loam
65317	17	0.56	0.00	Denure gravelly fine sandy loam, 1 to 3 percent slopes
65318	18	0.00	0.00	Denure-Carrizo, bench, gravelly fine sandy loams
65319	19	0.00	0.00	Denure-Cavelt complex, 0 to 3 percent slopes
65320	20	0.67	0.00	Denure-Coolidge complex, 1 to 3 percent slopes
65321	21	0.70	0.00	Denure-Rillito-Why complex, 1 to 5 percent slopes
65322	22	0.81	0.00	Denure-Why complex, 1 to 5 percent slopes
65323	23	0.00	0.00	Dumps-Pits association
65324	24	0.04	0.00	Gadsden clay loam, 0 to 3 percent slopes
65325	25	0.00	0.00	Gadsden and Kofa silty clay loams, saline-sodic
65326	26	0.00	0.00	Garzona-Rock outcrop-Winkel complex, 15 to 65 percent slopes
65327	27	0.00	0.00	Gilman very fine sandy loam
65328	28	0.00	0.00	Gilman very fine sandy loam, saline-sodic
65329	29	0.00	0.00	Glenbar silty clay loam
65330	30	0.00	0.00	Glenbar silty clay loam, saline-sodic

Soil ID	Map Unit	XKSAT	Rock Percent	Description
Book Number: 653				
65331	31	0.84	0.00	Growler-Momoli complex, 1 to 3 percent slopes
65332	32	0.32	0.00	Growler-Wellton complex, 1 to 3 percent slopes
65333	33	1.20	0.00	Gunsight-Ajolito extremely gravelly sandy loams, 1 to 15 percent sl
65334	34	0.84	0.00	Gunsight-Chuckawalla complex, 1 to 15 percent slopes
65335	35	0.91	0.00	Gunsight-Cipriano complex, 1 to 15 percent slopes
65336	36	0.39	0.00	Gunsight-Pinamt complex, 1 to 15 percent slopes
65337	37	0.79	0.00	Gunsight-Rillito-Carrizo complex, 1 to 15 percent slopes
65338	38	0.00	0.00	Harqua fine sandy loam, 0 to 3 percent slopes
65339	39	0.00	0.00	Harqua-Cavelt complex, 1 to 10 percent slopes
65340	40	0.40	15.00	Hyder-Gachado-Gunsight extremely gravelly sandy loams, 1 to 25 p
65341	41	0.00	0.00	Indio silt loam
65342	42	0.00	0.00	Indio silt loam, saline-sodic
65343	43	0.00	0.00	Lagunita-Vint complex
65344	44	0.00	0.00	Mohall fine sandy loam
65345	45	0.28	0.00	Mohall loam
65346	46	0.26	0.00	Mohall loam, occasionally flooded
65347	47	0.06	0.00	Mohall clay loam
65348	48	0.27	0.00	Mohall complex, 0 to 3 percent slopes
65349	49	0.74	0.00	Momoli-Carrizo extremely gravelly sandy loams, 1 to 10 percent sl
65350	50	1.20	0.00	Momoli-Carrizo, bench, very gravelly sandy loams, 1 to 3 percent s
65351	51	0.95	0.00	Momoli-Comobabi association, 5 to 15 percent slopes
65352	52	0.00	0.00	Pits
65353	53	0.91	0.00	Quilotosa-Momoli-Carrizo complex, 1 to 15 percent slopes
65354	54	0.86	0.00	Quilotosa-Rock outcrop complex, 15 to 55 percent slopes
65355	55	0.00	0.00	Riverwash
65356	56	0.00	0.00	Rock outcrop-Hyder complex. 25 to 65 percent slopes
65357	57	0.00	0.00	Rositas-Denure loamy fine sands, 1 to 10 percent slopes
65358	58	0.35	0.00	Schenco-Laposa-Rock outcrop complex, 10 to 55 percent slopes
65359	59	0.00	0.00	Tremant gravelly fine sandy loam
65360	60	0.25	0.00	Tucson loam
65361	61	0.00	0.00	Vaiva-Quilotosa extremely gravelly sandy loams, 3 to 25 percent slo
65362	62	0.00	0.00	Vaiva-Quilotosa extremely stony sandy loams, 25 to 55 percent slop
65363	63	0.00	0.00	Vint very fine sandy loam
65364	64	0.16	0.00	Wellton loam
65365	65	0.00	0.00	Wellton complex
65366	66	0.40	0.00	Why gravelly fine sandy loam
65367	67	0.58	0.00	Why-Carrizo complex, 0 to 3 percent slopes
65368	68	0.00	0.00	
65369	69	0.00	0.00	
Book Number: 655				
65564	W	0.00	0.00	Lakes, ponds, reservoirs - perennial
6552031	Af	0.25	0.00	Agualt fine sandy loam
6552033	Ag	0.25	0.00	Agualt loam
6552045	Am	1.20	0.00	Alluvial land
6552063	Av	0.04	0.00	Avondale clay loam
6552421	Ca	1.20	0.00	Carrizo gravelly loamy sand
6552423	Cb	0.25	0.00	Carrizo fine sandy loam
6552425	Cc	0.01	0.00	Cashion clay
6552449	Co	0.04	0.00	Contine clay loam
6552857	Es	0.25	0.00	Estrella loam
6553231	Gf	0.25	0.00	Gilman fine sandy loam
6553245	Gm	0.25	0.00	Gilman loam
6553247	Gn	0.04	0.00	Glenbar clay loam
6553255	Gr	1.20	0.00	Gravelly alluvial land
6554449	Mo	0.40	0.00	Mohall sandy loam
6554463	Mv	0.25	0.00	Mohall loam
6555045	Pm	0.04	0.00	Pimer clay loam
6555049	Po	0.25	0.00	Pinal loam, moderately deep variant

Soil ID	Map Unit	XKSAT	Rock Percent	Description
Book Number: 655				
6555449	Ro	0.25	65.00	Rock land
6555461	Ru	0.40	20.00	Rough broken land
6555463	Rv	0.00	0.00	
6555867	Tx	0.04	0.00	Trix clay loam
6556221	Va	0.40	0.00	Valencia sandy loam
6556229	Ve	0.01	0.00	Vecont clay
6556231	Vf	1.20	0.00	Vint loamy fine sand
655204720	AnA	0.40	0.00	Antho sandy loam, 0 to 1 percent slopes
655204722	AnB	0.40	0.00	Antho sandy loam, 1 to 3 percent slopes
655204922	AoB	0.40	0.00	Antho gravelly sandy loam, 1 to 3 percent slopes
655242924	CeC	0.40	0.00	Cavelt gravelly loam, 1 to 5 percent slopes
655325036	GPI	0.00	0.00	
655422120	LaA	0.25	0.00	Laveen loam, 0 to 1 percent slopes
655422122	LaB	0.25	0.00	Laveen loam, 1 to 3 percent slopes
655422920	LeA	0.04	0.00	Laveen clay loam, 0 to 1 percent slopes
655504720	PnA	0.40	0.00	Pinal gravelly loam, 0 to 1 percent slopes
655504724	PnC	0.40	0.00	Pinal gravelly loam, 1 to 3 percent slopes
655506320	PvA	0.40	0.00	Pinamt very gravelly loam, 0 to 1 percent slopes
655506324	PvC	0.40	0.00	Pinamt very gravelly loam, 3 to 5 percent slopes
655543720	RiA	0.40	0.00	Rillito gravelly loam, 0 to 1 percent slopes
655543722	RiB	0.40	0.00	Rillito gravelly loam, 1 to 3 percent slopes
655585522	TrB	0.10	0.00	Tremant gravelly loam, 1 to 3 percent slopes
Book Number: 658				
6581	1	0.00	0.00	Brios gravelly loamy sand,3 to 5 percent slopes
6582	2	0.00	0.00	Brios very fine sandy loam,0 to 2 percent slopes
6583	3	0.00	0.00	Carrizo-Momoli complex, 1 to 3 percent slopes
6584	4	0.00	0.00	Carrizo-Pinamt complex, 1 to 5 percent slopes
6585	5	1.14	0.00	Carrizo very gravelly coarse sand, 0 to 1 percent slopes
6586	6	0.00	0.00	Casa Grande clay loam, 0 to 1 percent slopes
6587	7	0.00	0.00	Casa Grande complex, 0 to 5 percent slopes
6588	8	0.00	0.00	Casa Grande fine sandy loam, 0 to 3 percent slopes
6589	9	0.56	0.00	Cavelt-Carrizo-Gunsight complex, 1 to 10 percent slopes
65810	10	0.00	0.00	Chuckwalla-Gunsight complex, 1 to 5 percent slopes
65811	11	0.23	0.00	Cristobal-Gunsight complex, 3 to 15 percent slopes
65812	12	0.00	0.00	Dateland-Cuerda complex, saline-sodic, 0 to 3 percent slopes
65813	13	0.00	0.00	Denure-Pahaka complex, 1 to 3 percent slopes
65814	14	0.00	0.00	Denure-Pahaka complex, 3 to 5 percent slopes
65815	15	0.00	0.00	Gadsden, Glenbar and Vint soils, saline-sodic, 0 to 2 percent slopes
65816	16	0.00	0.00	Gadsden silty clay loam, saline-sodic, 0 to 2 percent slopes
65817	17	0.00	0.00	Glenbar silt loam, saline-sodic, 0 to 2 percent slopes
65818	18	0.00	0.00	Indio silt loam, saline-sodic, 0 to 2 percent slopes
65819	19	0.00	0.00	Indio-Vint complex, saline-sodic, 0 to 3 percent slopes
65820	20	0.00	0.00	Kamato complex, 0 to 5 percent slopes
65821	21	0.00	0.00	Kamato loam, 0 to 2 percent slopes
65822	22	0.00	0.00	Lagunita silt loam, 0 to 2 percent slopes
65823	23	0.00	0.00	Laveen fine sandy loam, saline-sodic, 0 to 2 percent slopes
65824	24	1.08	0.00	Momoli cobbly sandy loam, 5 to 15 percent slopes
65825	25	0.00	0.00	Pompeii-Lomitas-Rock outcrop complex, 15 to 65 percent slopes
65826	26	0.00	0.00	Quilotosa-Momoli-Vaiva complex, 1 to 15 percent slopes
65827	27	1.14	0.00	Quilotosa-Rock outcrop-Vaiva complex, 20 to 65 percent slopes
65828	28	0.00	0.00	Redun-Shontik complex, 1 to 3 percent slopes
65829	29	0.00	0.00	Rillito-Gunsight complex, 3 to 15 percent slopes
65830	30	0.00	0.00	Rositas-Casa Grande-Slickspots complex, 1 to 15 percent slopes
65831	31	0.00	0.00	Rositas loamy fine sand, sodic, 0 to 3 percent slopes
65832	32	0.00	0.00	Shontik-Redun complex, 0 to 3 percent slopes
65833	33	0.00	0.00	Talai silt loam, 0 to 2 percent slopes
65834	34	0.00	0.00	Trix loam, saline-sodic, 0 to 1 percent slopes
65835	35	0.00	0.00	Vint-Yahana complex, saline-sodic, 0 to 10 percent slopes

Soil ID	Map Unit	XKSAT	Rock Percent	Description
Book Number: 658				
65836	36	0.00	0.00	Why-Brios complex, 0 to 2 percent slopes
65837	37	0.00	0.00	Yahana-Indio complex, saline-sodic, 0 to 3 percent slopes
65838	38	0.00	0.00	Yahana silty clay loam, 0 to 2 percent slopes
Book Number: 703				
7031	1	0.00	0.00	Ajo-pinamt, deep, complex, 3 to 15 percent slopes
7032	2	0.00	0.00	Anklam-cellar-rock outcrop complex, 15 to 55 percent slopes
7033	3	0.00	0.00	Anklam very gravelly sandy loam, 3 to 15 percent slopes
7034	4	0.00	0.00	Arizo-riverwash complex, 0 to 3 percent slopes
7035	5	0.00	0.00	Baboquivari-combate complex, 1 to 8 percent slopes
7036	6	0.00	0.00	Bucklebar-hayhook-tubac complex, 0 to 3 percent slopes
7037	7	0.00	0.00	Caralampi-selevin-kimrose complex, 5 to 50 percent slopes
7038	8	0.00	0.00	Casa grande-kamato complex, 0 to 1 percent slopes
7039	9	0.00	0.00	Casa grande-rositas-valencia complex, 0 to 5 percent slopes
70310	10	0.00	0.00	Cellar-lampshire-rock outcrop complex, 15 to 60 percent slopes
70311	11	0.00	0.00	Chiricahua-lampshire complex, 15 to 45 percent slopes
70312	12	0.00	0.00	Chuichu-rock outcrop complex, 15 to 45 percent slopes
70313	13	0.00	0.00	Chutum loam, 1 to 3 percent slopes
70314	14	0.00	0.00	Combate gravelly loamy coarse sand, 2 to 8 percent slopes
70315	15	0.00	0.00	Dateland-denure association, 1 to 3 percent slopes
70316	16	0.00	0.00	Delnorte-stagecoach complex, 1 to 20 percent slopes
70317	17	0.00	0.00	Delthorny-caracara complex, 3 to 25 percent slopes
70318	18	0.00	0.00	Delthorny-garzona-rock outcrop complex, 15 to 60 percent slopes
70319	19	0.00	0.00	Denure-momoli complex, 1 to 5 percent slopes
70320	20	0.00	0.00	Denure-pahaka complex, 1 to 3 percent slopes
70321	21	0.00	0.00	Dixaleta-rock outcrop complex, 15 to 70 percent slopes
70322	22	0.00	0.00	Far-spudrock-rock outcrop complex, 35 to 85 percent slopes
70323	23	0.00	0.00	Gachado-lomitas-rock outcrop complex, 15 to 45 percent slopes
70324	24	0.00	0.00	Gadsden silty clay loam, 0 to 1 percent slopes
70325	25	0.00	0.00	Gilman very fine sandy loam, 0 to 1 percent slopes
70326	26	0.00	0.00	Ginland silty clay, 0 to 1 percent slopes
70327	27	0.00	0.00	Glenbar loam, 0 to 1 percent slopes
70328	28	0.00	0.00	Glendale clay loam, 0 to 2 percent slopes, flooded
70329	29	0.00	0.00	Glendale silt loam, 1 to 3 percent slopes
70330	30	0.00	0.00	Glendale-pajarito complex, 1 to 3 percent slopes
70331	31	0.00	0.00	Grabe-vado complex, 1 to 5 percent slopes
70332	32	0.00	0.00	Granolite-rock outcrop complex, 15 to 65 percent slopes
70333	33	0.00	0.00	Gunsight-rillito complex, 1 to 8 percent slopes
70334	34	0.00	0.00	Hantz clay loam, 0 to 1 percent slopes
70335	35	0.00	0.00	Hayhook sandy loam, 1 to 5 percent slopes
70336	36	0.00	0.00	Hickiwan-gunsight-momoli complex, 3 to 15 percent slopes
70337	37	0.00	0.00	Hyder-rock outcrop-guvo complex, 10 to 45 percent slopes
70338	38	0.00	0.00	Keysto-riverwash complex, 0 to 5 percent slopes
70339	39	0.00	0.00	Kohatk-rock outcrop complex, 10 to 45 percent slopes
70340	40	0.00	0.00	Lajitas-bosa-rock outcrop complex, 15 to 50 percent slopes
70341	41	0.00	0.00	Lampshire-pantak-rock outcrop complex, 25 to 60 percent slopes
70342	42	0.00	0.00	Mohall loam, 0 to 2 percent slopes
70343	43	0.00	0.00	Mohall-pahaka complex, 1 to 3 percent slopes
70344	44	0.00	0.00	Mohall-trix complex, 0 to 1 percent slopes
70345	45	0.00	0.00	Nahda-stagecoach complex, 1 to 15 percent slopes
70346	46	0.00	0.00	Oracle-romero-rock outcrop complex, 5 to 35 percent slopes
70347	47	0.00	0.00	Pajarito-sahuarita complex, 1 to 3 percent slopes
70348	48	0.00	0.00	Pantano-granolite complex, 5 to 25 percent slopes
70349	49	0.00	0.00	Pinamt-momoli complex, 1 to 10 percent slopes
70350	50	0.00	0.00	Quilotosa extremely gravelly coarse sandy loam, 3 to 15 percent sl
70351	51	0.00	0.00	Quilotosa-rock outcrop-vaiva complex, 15 to 45 percent slopes
70352	52	0.00	0.00	Romero-lampshire-rock outcrop complex, 15 to 65 percent slopes
70353	53	0.00	0.00	Romero-rock outcrop complex, 10 to 40 percent slopes
70354	54	0.00	0.00	Rositas loamy fine sand, 2 to 5 percent slopes

Soil ID	Map Unit	XKSAT	Rock Percent	Description
Book Number: 703				
70355	55	0.00	0.00	Sasco loam, 0 to 1 percent slopes
70356	56	0.00	0.00	Soledad-topawa complex, 1 to 5 percent slopes
70357	57	0.00	0.00	Tatai silt loam, 0 to 2 percent slopes
70358	58	0.00	0.00	Tubac complex, 0 to 2 percent slopes
70359	59	0.00	0.00	Tucson-mohall-valencia complex, 1 to 3 percent slopes
70360	60	0.00	0.00	Vado-agustin complex, 1 to 8 percent slopes
70361	61	0.00	0.00	Vecont clay loam, 0 to 1 percent slopes
70362	62	0.00	0.00	Wintersburg loam, 0 to 1 percent slopes

Flood Control District of Maricopa County
Drainage Design Management System
Agency: FCDMC - LAND USE DEFAULTS
Project Reference: SUB BASIN A

Code	Description	Initial Abstraction IA	Percent Impervious RTIMP	Vegetation Cover	Moisture Deficit DTHETA	Hydraulic Efficiency Kn
Agriculture						
750	Agriculture	0.50	-	85.0	ORMAL	0.100
Commercial						
203	Commercial Low - Amusement/Movie/Theatre/Speciality	0.10	80	75.0	ORMAL	0.020
200	General Commercial (Commercial where no detail available)	0.10	80	60.0	ORMAL	0.020
220	Neighborhood Commercial (50,000 to 100,000 sq. ft.)	0.10	80	65.0	ORMAL	0.020
230	Community Commercial (100,000 to 500,000 sq. ft.)	0.10	80	75.0	ORMAL	0.020
240	Regional Commercial (500,000 to 1,000,000 sq. ft.)	0.10	80	65.0	ORMAL	0.020
250	Super-Regional Commercial (>= 1,000,000 sq. ft.)	0.10	80	70.0	ORMAL	0.020
210	Specialty Commercial (<=50,000 sq. ft.)	0.10	80	65.0	ORMAL	0.020
Industrial						
300	General Industrial (Industrial where no detail available)	0.15	55	60.0	ORMAL	0.020
310	Warehouse/Distribution Centers	0.10	80	75.0	ORMAL	0.020
320	Industrial	0.15	55	60.0	ORMAL	0.030
Institutional						
521	Education	0.35	45	80.0	ORMAL	0.020
520	Educational (Schools and universities)	0.29	45	80.0	ORMAL	0.020
530	Institutional (Includes hospitals and churches)	0.10	80	75.0	ORMAL	0.020
550	Public Facilities (comm centers, libraries, sub-stations)	0.10	80	75.0	ORMAL	0.020
Medical						
533	Medical/Nursing Home	0.10	80	75.0	ORMAL	0.020
Office						
400	Office General (Office where no detail available)	0.10	80	75.0	ORMAL	0.020
420	Office Mid Rise (5-12 stories)	0.10	80	75.0	ORMAL	0.020
430	Office High Rise (13 stories or more)	0.10	80	75.0	ORMAL	0.020
810	Business Park (enclosed industrial, office or retail)	0.10	80	75.0	ORMAL	0.020
410	Office Low Rise (1-4 stories)	0.10	80	75.0	ORMAL	0.020
Open Space						
712	Active Open Space	0.10	5	90.0	ORMAL	0.020
732	Passive/Restricted Open Space	0.35	-	25.0	DRY	0.030
713	Fallow	0.10	5	5.0	ORMAL	0.020
714	Desert	0.35	-	25.0	DRY	0.030
540	Cemeteries	0.10	5	90.0	ORMAL	0.020
700	General Open Space (Open space where no detail available)	0.35	-	25.0	DRY	0.030
710	Active Open Space (Includes parks)	0.20	-	90.0	ORMAL	0.100
730	Passive Open Space (Includes mountain preserves and washes)	0.35	-	25.0	DRY	0.030
740	Water	0.00	-	0.0	WET	0.020
900	Vacant (Existing land use database only)	0.35	-	25.0	DRY	0.030
720	Golf courses	0.20	5	90.0	ORMAL	0.100
Other						
555	Public	0.35	80	75.0	ORMAL	0.020
560	Special Events (stadiums, sports complexes and fairgrounds)	0.10	80	75.0	ORMAL	0.020
Other employment						
920	Developing Employment Generating	0.25	45	50.0	ORMAL	0.020
950	Developing Employment Generating	0.25	45	50.0	ORMAL	0.020
Other Employment						
572	Other Employment - Landfill/Proving Grounds/ Sand and Gravel	0.10	80	75.0	ORMAL	0.020
571	Other Employment - Landfill/Proving Grounds/Sand and Gravel/	0.10	80	75.0	ORMAL	0.020
570	Other Employment - low (Proving grounds and land fills)	0.10	80	75.0	ORMAL	0.020
580	Other Employment - medium	0.10	80	75.0	ORMAL	0.020
590	Other Employment - high	0.10	80	75.0	ORMAL	0.020
Public						

Code	Description	Initial Abstraction IA	Percent Impervious RTIMP	Vegetation Cover	Moisture Deficit DTHETA	Hydraulic Efficiency Kn
552	Public\Speciality Event\Military	0.10	80	75.0	ORMAL	0.020
553	Public/Special Event/Military	0.10	80	75.0	ORMAL	0.020
Religious						
532	Religious Institutions	0.35	80	75.0	ORMAL	0.020
Residential						
120	Estate Residential (1/5 du per acre to 1 du per acre)	0.30	5	20.0	ORMAL	0.050
161	Single Family High Density - Greater than 4 du/ac	0.25	45	50.0	ORMAL	0.030
910	Developing residential	0.25	45	50.0	ORMAL	0.020
140	Medium Lot Residential - Single Family (2-4 du per acre)	0.25	30	50.0	ORMAL	0.050
150	Small Lot Residential - Single Family (4-6 du per acre)	0.25	35	50.0	ORMAL	0.040
170	Medium Density Residential - Muli Family (5-10 du per acre)	0.25	45	50.0	ORMAL	0.040
180	High Density Residential - Multi Family (10-15 du per acre)	0.25	50	50.0	ORMAL	0.030
190	Very High Density Residential - Multi Family (>15 du per ac)	0.20	50	50.0	ORMAL	0.030
110	Rural Residential (<= 1/5 du per acre)	0.30	5	30.0	ORMAL	0.050
130	Large Lot Residential - Single Family (1-2 du per acre)	0.30	15	50.0	ORMAL	0.050
160	Very Small Lot Residential - Single Family (>6 du per acre)	0.25	40	50.0	ORMAL	0.020
Tourist						
510	Tourist and Visitor Accommodations (Hotels, motels, resorts)	0.10	80	75.0	ORMAL	0.020
Transportation						
600	General Transportation (where no detail available)	0.10	80	75.0	ORMAL	0.020
610	Transportation (railways, transit centers, freeways)	0.10	80	75.0	ORMAL	0.020
620	Airports (Includes public use airports)	0.15	55	60.0	ORMAL	0.020

Flood Control District of Maricopa County
Drainage Design Management System
Agency: FCDMC - LAND USE DEFAULTS
Project Reference: SUB BASIN A FUTURE

Code	Description	Initial Abstraction IA	Percent Impervious RTIMP	Vegetation Cover	Moisture Deficit DTHETA	Hydraulic Efficiency Kn
Agriculture						
750	Agriculture	0.50	-	85.0	ORMAL	0.100
Commercial						
203	Commercial Low - Amusement/Movie/Theatre/Speciality	0.10	80	75.0	ORMAL	0.020
200	General Commercial (Commercial where no detail available)	0.10	80	60.0	ORMAL	0.020
220	Neighborhood Commercial (50,000 to 100,000 sq. ft.)	0.10	80	65.0	ORMAL	0.020
230	Community Commercial (100,000 to 500,000 sq. ft.)	0.10	80	75.0	ORMAL	0.020
240	Regional Commercial (500,000 to 1,000,000 sq. ft.)	0.10	80	65.0	ORMAL	0.020
250	Super-Regional Commercial (>= 1,000,000 sq. ft.)	0.10	80	70.0	ORMAL	0.020
210	Specialty Commercial (<=50,000 sq. ft.)	0.10	80	65.0	ORMAL	0.020
Industrial						
300	General Industrial (Industrial where no detail available)	0.15	55	60.0	ORMAL	0.020
310	Warehouse/Distribution Centers	0.10	80	75.0	ORMAL	0.020
320	Industrial	0.15	55	60.0	ORMAL	0.030
Institutional						
521	Education	0.35	45	80.0	ORMAL	0.020
520	Educational (Schools and universities)	0.29	45	80.0	ORMAL	0.020
530	Institutional (Includes hospitals and churches)	0.10	80	75.0	ORMAL	0.020
550	Public Facilities (comm centers, libraries, sub-stations)	0.10	80	75.0	ORMAL	0.020
Medical						
533	Medical/Nursing Home	0.10	80	75.0	ORMAL	0.020
Mixed Use						
820	Mixed Use	0.25	45	65.0	ORMAL	0.020
Office						
400	Office General (Office where no detail available)	0.10	80	75.0	ORMAL	0.020
420	Office Mid Rise (5-12 stories)	0.10	80	75.0	ORMAL	0.020
430	Office High Rise (13 stories or more)	0.10	80	75.0	ORMAL	0.020
810	Business Park (enclosed industrial, office or retail)	0.10	80	75.0	ORMAL	0.020
410	Office Low Rise (1-4 stories)	0.10	80	75.0	ORMAL	0.020
Open Space						
712	Active Open Space	0.10	5	90.0	ORMAL	0.020
732	Passive/Restricted Open Space	0.35	-	25.0	DRY	0.030
540	Cemeteries	0.10	5	90.0	ORMAL	0.020
700	General Open Space (Open space where no detail available)	0.35	-	25.0	DRY	0.030
710	Active Open Space (Includes parks)	0.20	-	90.0	ORMAL	0.100
730	Passive Open Space (Includes mountain preserves and washes)	0.35	-	25.0	DRY	0.030
740	Water	0.00	-	0.0	WET	0.020
900	Vacant (Existing land use database only)	0.35	-	25.0	DRY	0.030
720	Golf courses	0.20	5	90.0	ORMAL	0.100
Other						
555	Public	0.35	80	75.0	ORMAL	0.020
560	Special Events (stadiums, sports complexes and fairgrounds)	0.10	80	75.0	ORMAL	0.020
Other employment						
920	Developing Employment Generating	0.25	45	50.0	ORMAL	0.020
950	Developing Employment Generating	0.25	45	50.0	ORMAL	0.020
Other Employment						
572	Other Employment - Landfill/Proving Grounds/ Sand and Gravel	0.10	80	75.0	ORMAL	0.020
571	Other Employment - Landfill/Proving Grounds/Sand and Gravel/	0.10	80	75.0	ORMAL	0.020
570	Other Employment - low (Proving grounds and land fills)	0.10	80	75.0	ORMAL	0.020
580	Other Employment - medium	0.10	80	75.0	ORMAL	0.020
590	Other Employment - high	0.10	80	75.0	ORMAL	0.020
Public						

Flood Control District of Maricopa County
Drainage Design Management System
Agency: FCDMC - LAND USE DEFAULTS
Project Reference: SUB BASIN A FUTURE

Code	Description	Initial Abstraction IA	Percent Impervious RTIMP	Vegetation Cover	Moisture Deficit DTHETA	Hydraulic Efficiency Kn
552	Public\Speciality Event\Military	0.10	80	75.0	ORMAL	0.020
553	Public/Special Event/Military	0.10	80	75.0	ORMAL	0.020
Religious						
532	Religious Institutions	0.35	80	75.0	ORMAL	0.020
Residential						
120	Estate Residential (1/5 du per acre to 1 du per acre)	0.30	5	20.0	ORMAL	0.050
161	Single Family High Density - Greater than 4 du/ac	0.25	45	50.0	ORMAL	0.030
910	Developing residential	0.25	45	50.0	ORMAL	0.020
140	Medium Lot Residential - Single Family (2-4 du per acre)	0.25	30	50.0	ORMAL	0.050
150	Small Lot Residential - Single Family (4-6 du per acre)	0.25	35	50.0	ORMAL	0.040
170	Medium Density Residential - Muli Family (5-10 du per acre)	0.25	45	50.0	ORMAL	0.040
180	High Density Residential - Multi Family (10-15 du per acre)	0.25	50	50.0	ORMAL	0.030
190	Very High Density Residential - Multi Family (>15 du per ac)	0.20	50	50.0	ORMAL	0.030
110	Rural Residential (<= 1/5 du per acre)	0.30	5	30.0	ORMAL	0.050
130	Large Lot Residential - Single Family (1-2 du per acre)	0.30	15	50.0	ORMAL	0.050
160	Very Small Lot Residential - Single Family (>6 du per acre)	0.25	40	50.0	ORMAL	0.020
Tourist						
510	Tourist and Visitor Accommodations (Hotels, motels, resorts)	0.10	80	75.0	ORMAL	0.020
Transportation						
600	General Transportation (where no detail available)	0.10	80	75.0	ORMAL	0.020
610	Transportation (railways, transit centers, freeways)	0.10	80	75.0	ORMAL	0.020
620	Airports (Includes public use airports)	0.15	55	60.0	ORMAL	0.020

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)	Effective Rock (%)
Major Basin ID: A								
000A01	653	6	6536	0.022	0.20	1.17	-	100
	653	10	65310	0.774	8.00	1.01	-	100
	653	14	65314	1.768	18.40	0.27	-	100
	653	21	65321	3.197	33.20	0.70	-	100
	653	37	65337	0.829	8.60	0.79	-	100
	653	51	65351	0.037	0.40	0.95	-	100
	653	53	65353	1.276	13.30	0.91	-	100
	653	54	65354	1.717	17.90	0.86	-	100
000A03	653	6	6536	0.063	5.90	1.17	-	100
	653	10	65310	0.121	11.30	1.01	-	100
	653	14	65314	0.025	2.40	0.27	-	100
	653	21	65321	0.230	21.60	0.70	-	100
	653	51	65351	0.087	8.10	0.95	-	100
	653	53	65353	0.240	22.60	0.91	-	100
	653	54	65354	0.300	28.10	0.86	-	100
000A04	653	6	6536	0.000	0.00	1.17	-	100
	653	10	65310	0.037	5.00	1.01	-	100
	653	53	65353	0.481	64.80	0.91	-	100
	653	54	65354	0.224	30.20	0.86	-	100
000A05	653	6	6536	0.165	7.70	1.17	-	100
	653	21	65321	1.466	68.50	0.70	-	100
	653	53	65353	0.101	4.70	0.91	-	100
	653	54	65354	0.409	19.10	0.86	-	100
000A06	653	6	6536	0.153	13.80	1.17	-	100
	653	10	65310	0.106	9.60	1.01	-	100
	653	21	65321	0.533	48.10	0.70	-	100
	653	53	65353	0.172	15.50	0.91	-	100
	653	54	65354	0.143	12.90	0.86	-	100
000A07	653	6	6536	0.069	13.20	1.17	-	100
	653	10	65310	0.076	14.60	1.01	-	100
	653	21	65321	0.135	25.80	0.70	-	100
	653	37	65337	0.102	19.40	0.79	-	100
	653	53	65353	0.093	17.70	0.91	-	100
	653	54	65354	0.049	9.30	0.86	-	100
000A08	653	6	6536	0.004	0.20	1.17	-	100
	653	10	65310	0.183	8.60	1.01	-	100
	653	14	65314	0.014	0.60	0.27	-	100
	653	21	65321	0.569	26.80	0.70	-	100
	653	37	65337	0.064	3.00	0.79	-	100
	653	53	65353	0.677	31.80	0.91	-	100
	653	54	65354	0.334	15.70	0.86	-	100
	651	AL	6512042	0.013	0.60	0.40	-	100
	651	GM	6513244	0.050	2.30	0.29	-	100
	651	GN	6513246	0.066	3.10	0.25	-	100
	651	HM	6513444	0.155	7.30	0.15	-	100
000A09	653	10	65310	0.198	25.20	1.01	-	100
	653	14	65314	0.011	1.40	0.27	-	100
	653	21	65321	0.071	9.00	0.70	-	100
	653	37	65337	0.404	51.50	0.79	-	100
	653	53	65353	0.043	5.50	0.91	-	100
	653	54	65354	0.040	5.10	0.86	-	100
	651	GN	6513246	0.012	1.50	0.25	-	100
	651	HM	6513444	0.006	0.70	0.15	-	100
000A10	653	6	6536	0.021	2.30	1.17	-	100
	653	10	65310	0.020	2.10	1.01	-	100
	653	14	65314	0.092	9.90	0.27	-	100
	653	21	65321	0.017	1.80	0.70	-	100
	653	53	65353	0.049	5.20	0.91	-	100
	653	54	65354	0.031	3.40	0.86	-	100
	651	AL	6512042	0.033	3.50	0.40	-	100
	651	GN	6513246	0.202	21.70	0.25	-	100
	651	HM	6513444	0.010	1.10	0.15	-	100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)	Effective Rock (%)
Major Basin ID: A								
000A10	651	PT	6515058	0.049	5.30	0.40	-	100
	651	HLC	651344224	0.406	43.70	0.14	-	100
000A11	653	6	6536	0.097	5.40	1.17	-	100
	653	10	65310	0.083	4.60	1.01	-	100
	653	14	65314	0.263	14.60	0.27	-	100
	653	21	65321	0.217	12.00	0.70	-	100
	653	37	65337	0.436	24.20	0.79	-	100
	653	53	65353	0.194	10.70	0.91	-	100
	653	54	65354	0.301	16.70	0.86	-	100
	651	AL	6512042	0.101	5.60	0.40	-	100
	651	TB	6515822	0.063	3.50	0.40	-	100
	651	AGB	651203222	0.030	1.70	0.40	-	100
	651	HLC	651344224	0.018	1.00	0.14	-	100
000A12	653	10	65310	0.078	7.30	1.01	-	100
	653	21	65321	0.010	0.90	0.70	-	100
	653	37	65337	0.225	21.10	0.79	-	100
	653	54	65354	0.040	3.80	0.86	-	100
	651	Aa	6512021	0.001	0.10	0.26	-	100
	651	Cp	6512451	0.008	0.80	0.40	-	100
	651	Cs	6512457	0.122	11.50	0.19	-	100
	651	Ma	6514421	0.001	0.10	0.40	-	100
	651	AdA	651202720	0.016	1.50	0.40	-	100
	651	AGB	651203222	0.049	4.60	0.40	-	100
	651	GxA	651326720	0.003	0.30	0.23	-	100
	651	HLC	651344224	0.441	41.40	0.14	-	100
	651	TfA	651583120	0.000	0.00	0.37	-	100
	651	TfB	651583122	0.071	6.70	0.36	-	100
000A13	653	37	65337	0.009	1.50	0.79	-	100
	651	Aa	6512021	0.003	0.40	0.26	-	100
	651	AL	6512042	0.001	0.20	0.40	-	100
	651	Cs	6512457	0.006	1.10	0.19	-	100
	651	Es	6512857	0.011	1.80	0.25	-	100
	651	Ge	6513229	0.021	3.70	0.26	-	100
	651	AGB	651203222	0.004	0.60	0.40	-	100
	651	HLC	651344224	0.470	81.10	0.14	-	100
	651	LcA	651422520	0.056	9.60	0.25	-	100
000A14	653	37	65337	0.001	0.10	0.79	-	100
	651	Ae	6512029	0.006	0.70	0.39	-	100
	651	AL	6512042	0.142	16.60	0.40	-	100
	651	Bs	6512257	0.002	0.20	0.39	-	100
	651	Ge	6513229	0.012	1.30	0.26	-	100
	651	TB	6515822	0.010	1.20	0.40	-	100
	651	Te	6515829	0.008	0.90	0.25	-	100
	651	Va	6516221	0.028	3.30	0.39	-	100
	651	AbA	651202320	0.008	0.90	0.38	-	100
	651	AdB	651202722	0.011	1.30	0.40	-	100
	651	AGB	651203222	0.279	32.60	0.40	-	100
	651	GgA	651323320	0.001	0.10	0.25	-	100
	651	HLC	651344224	0.349	40.80	0.14	-	100
000A15	653	14	65314	0.000	0.00	0.27	-	100
	653	21	65321	0.022	2.30	0.70	-	100
	651	AL	6512042	0.091	9.60	0.40	-	100
	651	HM	6513444	0.158	16.80	0.15	-	100
	651	TB	6515822	0.006	0.60	0.40	-	100
	651	Te	6515829	0.004	0.40	0.25	-	100
	651	AGB	651203222	0.186	19.80	0.40	-	100
	651	GgA	651323320	0.007	0.70	0.25	-	100
	651	HLC	651344224	0.462	49.10	0.14	-	100
	651	RbA	651542320	0.005	0.60	0.26	-	100
000A16	651	GN	6513246	0.000	0.00	0.25	-	100
	651	HM	6513444	0.259	77.80	0.15	-	100
	651	Te	6515829	0.004	1.30	0.25	-	100
	651	HLC	651344224	0.061	18.20	0.14	-	100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)	Effective Rock (%)
Major Basin ID: A								
000A16	651	RbA	651542320	0.009	2.70	0.26	-	100
	651	TfA	651583120	0.000	0.10	0.37	-	100
000A17	651	Aa	6512021	0.000	0.00	0.26	-	100
	651	Es	6512857	0.001	0.20	0.25	-	100
	651	GN	6513246	0.024	4.10	0.25	-	100
	651	HM	6513444	0.541	94.80	0.15	-	100
	651	LcA	651422520	0.005	0.80	0.25	-	100
000A18	653	14	65314	0.000	0.00	0.27	-	100
	651	GN	6513246	0.079	11.40	0.25	-	100
	651	HM	6513444	0.615	88.60	0.15	-	100
000A19	651	AL	6512042	0.005	1.10	0.40	-	100
	651	HM	6513444	0.355	76.40	0.15	-	100
	651	AGB	651203222	0.087	18.80	0.40	-	100
	651	RbA	651542320	0.017	3.70	0.26	-	100
000A20	651	AL	6512042	0.106	31.20	0.40	-	100
	651	HM	6513444	0.169	49.70	0.15	-	100
	651	AGB	651203222	0.036	10.50	0.40	-	100
	651	HLC	651344224	0.029	8.60	0.14	-	100
000A21	653	6	6536	0.062	5.90	1.17	-	100
	653	14	65314	0.010	1.00	0.27	-	100
	653	21	65321	0.247	23.60	0.70	-	100
	653	37	65337	0.000	0.00	0.79	-	100
	651	AL	6512042	0.028	2.70	0.40	-	100
	651	GM	6513244	0.050	4.80	0.29	-	100
	651	HM	6513444	0.557	53.30	0.15	-	100
	651	AGB	651203222	0.090	8.60	0.40	-	100
000A22	653	6	6536	0.004	0.60	1.17	-	100
	653	14	65314	0.089	15.40	0.27	-	100
	653	21	65321	0.203	35.10	0.70	-	100
	653	37	65337	0.147	25.40	0.79	-	100
	651	AL	6512042	0.042	7.30	0.40	-	100
	651	GM	6513244	0.008	1.40	0.29	-	100
	651	HM	6513444	0.086	14.80	0.15	-	100
000A23	653	6	6536	0.002	0.90	1.17	-	100
	653	21	65321	0.211	90.80	0.70	-	100
	653	53	65353	0.009	4.00	0.91	-	100
	653	54	65354	0.010	4.30	0.86	-	100
000A24	653	14	65314	0.039	2.90	0.27	-	100
	653	21	65321	1.140	84.10	0.70	-	100
	653	37	65337	0.176	13.00	0.79	-	100
000A25	653	14	65314	0.006	2.60	0.27	-	100
	653	21	65321	0.210	97.40	0.70	-	100
000A26	653	6	6536	0.023	4.60	1.17	-	100
	653	14	65314	0.232	46.40	0.27	-	100
	653	21	65321	0.245	49.00	0.70	-	100
000A27	653	14	65314	0.418	37.80	0.27	-	100
	653	21	65321	0.587	53.10	0.70	-	100
	653	37	65337	0.000	0.00	0.79	-	100
	653	53	65353	0.101	9.10	0.91	-	100
000A28	653	14	65314	0.160	29.10	0.27	-	100
	653	21	65321	0.198	35.90	0.70	-	100
	653	37	65337	0.120	21.70	0.79	-	100
	653	53	65353	0.073	13.30	0.91	-	100
000A29	653	14	65314	0.064	5.40	0.27	-	100
	653	21	65321	0.602	50.70	0.70	-	100
	653	37	65337	0.205	17.30	0.79	-	100
	653	53	65353	0.317	26.70	0.91	-	100
000A30	653	14	65314	0.019	2.90	0.27	-	100
	653	21	65321	0.190	28.10	0.70	-	100
	653	37	65337	0.229	34.00	0.79	-	100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)	Effective Rock (%)
Major Basin ID: A								
000A30	651	AL	6512042	0.011	1.60	0.40	-	100
	651	HM	6513444	0.226	33.50	0.15	-	100
000A31	651	AL	6512042	0.106	19.70	0.40	-	100
	651	HM	6513444	0.431	80.00	0.15	-	100
	651	AGB	651203222	0.002	0.30	0.40	-	100
000A32	653	21	65321	0.001	0.10	0.70	-	100
	651	AL	6512042	0.040	3.30	0.40	-	100
	651	Bs	6512257	0.002	0.20	0.39	-	100
	651	Es	6512857	0.006	0.50	0.25	-	100
	651	HM	6513444	1.062	88.00	0.15	-	100
	651	TD	6515826	0.038	3.20	1.20	-	100
	651	AdA	651202720	0.012	1.00	0.40	-	100
	651	AGB	651203222	0.003	0.30	0.40	-	100
	651	GgA	651323320	0.010	0.80	0.25	-	100
	651	PRB	651505422	0.032	2.70	0.28	-	100
000A33	651	HM	6513444	0.284	100.00	0.15	-	100
000A34	651	Aa	6512021	0.000	0.00	0.26	-	100
	651	Cb	6512423	0.001	0.10	0.40	-	100
	651	Es	6512857	0.012	3.20	0.25	-	100
	651	GN	6513246	0.000	0.10	0.25	-	100
	651	HM	6513444	0.295	76.50	0.15	-	100
	651	Te	6515829	0.051	13.30	0.25	-	100
	651	LcA	651422520	0.013	3.40	0.25	-	100
	651	PeA	651502920	0.002	0.50	0.37	-	100
	651	RbA	651542320	0.001	0.30	0.26	-	100
	651	TfB	651583122	0.010	2.50	0.36	-	100
000A35	651	Bs	6512257	0.009	1.10	0.39	-	100
	651	Es	6512857	0.200	23.60	0.25	-	100
	651	HM	6513444	0.038	4.50	0.15	-	100
	651	Te	6515829	0.148	17.50	0.25	-	100
	651	AbA	651202320	0.016	1.90	0.38	-	100
	651	GgA	651323320	0.234	27.70	0.25	-	100
	651	HLC	651344224	0.123	14.50	0.14	-	100
	651	LcA	651422520	0.006	0.70	0.25	-	100
	651	RbA	651542320	0.036	4.20	0.26	-	100
	651	TfA	651583120	0.026	3.00	0.37	-	100
	651	TfB	651583122	0.011	1.30	0.36	-	100
000A36	651	Aa	6512021	0.008	1.80	0.26	-	100
	651	Es	6512857	0.144	33.00	0.25	-	100
	651	Te	6515829	0.013	3.00	0.25	-	100
	651	GgA	651323320	0.125	28.70	0.25	-	100
	651	HLC	651344224	0.082	18.90	0.14	-	100
	651	TfB	651583122	0.063	14.60	0.36	-	100
000A37	651	Aa	6512021	0.074	5.50	0.26	-	100
	651	Ae	6512029	0.017	1.30	0.39	-	100
	651	Bs	6512257	0.006	0.40	0.39	-	100
	651	Es	6512857	0.226	16.80	0.25	-	100
	651	Ge	6513229	0.010	0.80	0.26	-	100
	651	Te	6515829	0.170	12.60	0.25	-	100
	651	Va	6516221	0.027	2.00	0.39	-	100
	651	AbA	651202320	0.048	3.50	0.38	-	100
	651	AGB	651203222	0.035	2.60	0.40	-	100
	651	GgA	651323320	0.494	36.70	0.25	-	100
	651	HLC	651344224	0.238	17.70	0.14	-	100
	651	TfB	651583122	0.003	0.20	0.36	-	100
000A38	651	Aa	6512021	0.004	0.90	0.26	-	100
	651	Ae	6512029	0.020	4.10	0.39	-	100
	651	Bs	6512257	0.009	1.90	0.39	-	100
	651	Es	6512857	0.168	34.80	0.25	-	100
	651	Ge	6513229	0.043	8.80	0.26	-	100
	651	Ma	6514421	0.004	0.80	0.40	-	100
	651	Te	6515829	0.022	4.50	0.25	-	100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)	Effective Rock (%)
Major Basin ID: A								
000A38	651	Va	6516221	0.077	16.00	0.39	-	100
	651	AbA	651202320	0.006	1.20	0.38	-	100
	651	AdB	651202722	0.010	2.20	0.40	-	100
	651	AGB	651203222	0.013	2.60	0.40	-	100
	651	GgA	651323320	0.006	1.20	0.25	-	100
	651	LcA	651422520	0.102	21.10	0.25	-	100
000A39	651	Aa	6512021	0.019	3.90	0.26	-	100
	651	Cs	6512457	0.001	0.10	0.19	-	100
	651	Es	6512857	0.239	48.30	0.25	-	100
	651	Ge	6513229	0.002	0.50	0.26	-	100
	651	Mp	6514451	0.031	6.20	0.25	-	100
	651	Te	6515829	0.000	0.10	0.25	-	100
	651	GgA	651323320	0.052	10.40	0.25	-	100
	651	HLC	651344224	0.011	2.20	0.14	-	100
	651	LcA	651422520	0.141	28.40	0.25	-	100
000A40	651	Aa	6512021	0.005	1.00	0.26	-	100
	651	Cs	6512457	0.110	22.00	0.19	-	100
	651	Es	6512857	0.139	28.00	0.25	-	100
	651	Ge	6513229	0.028	5.70	0.26	-	100
	651	Ma	6514421	0.019	3.80	0.40	-	100
	651	Te	6515829	0.032	6.30	0.25	-	100
	651	AbA	651202320	0.006	1.30	0.38	-	100
	651	GgA	651323320	0.000	0.10	0.25	-	100
	651	GxA	651326720	0.037	7.30	0.23	-	100
	651	LcA	651422520	0.004	0.70	0.25	-	100
	651	RbA	651542320	0.118	23.80	0.26	-	100
000A41	651	Ae	6512029	0.002	0.20	0.39	-	100
	651	Cp	6512451	0.080	8.80	0.40	-	100
	651	Cs	6512457	0.158	17.30	0.19	-	100
	651	Es	6512857	0.284	31.00	0.25	-	100
	651	Ge	6513229	0.043	4.70	0.26	-	100
	651	Ma	6514421	0.078	8.50	0.40	-	100
	651	Mp	6514451	0.005	0.50	0.25	-	100
	651	TD	6515826	0.026	2.90	1.20	-	100
	651	Te	6515829	0.017	1.80	0.25	-	100
	651	AbA	651202320	0.058	6.30	0.38	-	100
	651	GgA	651323320	0.070	7.60	0.25	-	100
	651	LcA	651422520	0.006	0.60	0.25	-	100
	651	RbA	651542320	0.009	1.00	0.26	-	100
	651	TfA	651583120	0.069	7.50	0.37	-	100
	651	TfB	651583122	0.010	1.10	0.36	-	100
000A42	651	Ae	6512029	0.024	2.80	0.39	-	100
	651	Bs	6512257	0.021	2.50	0.39	-	100
	651	Es	6512857	0.463	54.30	0.25	-	100
	651	Ge	6513229	0.291	34.10	0.26	-	100
	651	Ma	6514421	0.004	0.50	0.40	-	100
	651	TD	6515826	0.001	0.10	1.20	-	100
	651	Te	6515829	0.008	0.90	0.25	-	100
	651	Vh	6516235	0.009	1.10	0.27	-	100
	651	AbA	651202320	0.000	0.00	0.38	-	100
	651	GgA	651323320	0.031	3.70	0.25	-	100
000A43	651	Aa	6512021	0.078	15.50	0.26	-	100
	651	Cb	6512423	0.006	1.20	0.40	-	100
	651	Es	6512857	0.140	27.70	0.25	-	100
	651	Ge	6513229	0.000	0.00	0.26	-	100
	651	GgA	651323320	0.281	55.70	0.25	-	100
000A44	651	Aa	6512021	0.017	4.50	0.26	-	100
	651	Ae	6512029	0.004	1.20	0.39	-	100
	651	Br	6512255	0.005	1.40	1.05	-	100
	651	Bs	6512257	0.002	0.60	0.39	-	100
	651	Es	6512857	0.166	45.30	0.25	-	100
	651	Ge	6513229	0.025	6.80	0.26	-	100
	651	TD	6515826	0.000	0.10	1.20	-	100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)	Effective Rock (%)
Major Basin ID: A								
000A44	651	Tu	6515861	0.020	5.60	0.25	-	100
	651	AbA	651202320	0.005	1.30	0.38	-	100
	651	GgA	651323320	0.122	33.30	0.25	-	100
000A45	651	Aa	6512021	0.003	0.60	0.26	-	100
	651	Ae	6512029	0.001	0.20	0.39	-	100
	651	Br	6512255	0.001	0.10	1.05	-	100
	651	Bs	6512257	0.007	1.20	0.39	-	100
	651	Es	6512857	0.109	20.40	0.25	-	100
	651	Ge	6513229	0.001	0.20	0.26	-	100
	651	Gh	6513235	0.026	4.90	0.24	-	100
	651	Ma	6514421	0.007	1.40	0.40	-	100
	651	TD	6515826	0.030	5.70	1.20	-	100
	651	Te	6515829	0.020	3.80	0.25	-	100
	651	AbA	651202320	0.090	16.80	0.38	-	100
	651	GgA	651323320	0.238	44.70	0.25	-	100
000A46	651	Es	6512857	0.091	46.10	0.25	-	100
	651	Ge	6513229	0.013	6.40	0.26	-	100
	651	Gh	6513235	0.001	0.30	0.24	-	100
	651	Ma	6514421	0.024	12.00	0.40	-	100
	651	TD	6515826	0.003	1.50	1.20	-	100
	651	AbA	651202320	0.001	0.60	0.38	-	100
	651	GgA	651323320	0.066	33.20	0.25	-	100
000A47	651	Bs	6512257	0.009	1.10	0.39	-	100
	651	Es	6512857	0.293	37.00	0.25	-	100
	651	Ge	6513229	0.261	33.00	0.26	-	100
	651	Ma	6514421	0.041	5.20	0.40	-	100
	651	Te	6515829	0.052	6.50	0.25	-	100
	651	AbA	651202320	0.106	13.40	0.38	-	100
	651	GgA	651323320	0.029	3.70	0.25	-	100
000A48	651	Aa	6512021	0.001	0.10	0.26	-	100
	651	Bs	6512257	0.014	1.40	0.39	-	100
	651	Cb	6512423	0.003	0.30	0.40	-	100
	651	Es	6512857	0.210	19.80	0.25	-	100
	651	Ge	6513229	0.429	40.50	0.26	-	100
	651	HM	6513444	0.003	0.30	0.15	-	100
	651	Ma	6514421	0.093	8.80	0.40	-	100
	651	Te	6515829	0.144	13.60	0.25	-	100
	651	AdA	651202720	0.044	4.20	0.40	-	100
	651	GgA	651323320	0.070	6.60	0.25	-	100
	651	LcA	651422520	0.040	3.80	0.25	-	100
	651	PeA	651502920	0.003	0.20	0.37	-	100
	651	TfA	651583120	0.006	0.60	0.37	-	100
000A49	651	Aa	6512021	0.025	3.40	0.26	-	100
	651	Br	6512255	0.048	6.40	1.05	-	100
	651	Bs	6512257	0.000	0.00	0.39	-	100
	651	Es	6512857	0.009	1.20	0.25	-	100
	651	Ge	6513229	0.156	20.80	0.26	-	100
	651	Ma	6514421	0.050	6.60	0.40	-	100
	651	TD	6515826	0.032	4.30	1.20	-	100
	651	Tu	6515861	0.003	0.30	0.25	-	100
	651	AbA	651202320	0.035	4.60	0.38	-	100
	651	AdA	651202720	0.006	0.70	0.40	-	100
	651	GgA	651323320	0.387	51.60	0.25	-	100
000A50	651	Ae	6512029	0.045	4.30	0.39	-	100
	651	Bs	6512257	0.017	1.70	0.39	-	100
	651	Es	6512857	0.313	30.30	0.25	-	100
	651	Ge	6513229	0.057	5.60	0.26	-	100
	651	Ma	6514421	0.035	3.40	0.40	-	100
	651	Pa	6515021	0.003	0.30	0.40	-	100
	651	Te	6515829	0.144	13.90	0.25	-	100
	651	AbA	651202320	0.014	1.30	0.38	-	100
	651	GgA	651323320	0.372	36.00	0.25	-	100
	651	RbA	651542320	0.006	0.60	0.26	-	100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)	Effective Rock (%)
Major Basin ID: A								
000A50	651	TfA	651583120	0.027	2.60	0.37	-	100
000A51	651	Ae	6512029	0.076	5.10	0.39	-	100
	651	Br	6512255	0.000	0.00	1.05	-	100
	651	Bs	6512257	0.041	2.80	0.39	-	100
	651	Es	6512857	0.118	7.90	0.25	-	100
	651	Ge	6513229	0.042	2.80	0.26	-	100
	651	HM	6513444	0.204	13.70	0.15	-	100
	651	Ma	6514421	0.046	3.10	0.40	-	100
	651	TD	6515826	0.024	1.60	1.20	-	100
	651	Te	6515829	0.197	13.20	0.25	-	100
	651	AbA	651202320	0.000	0.00	0.38	-	100
	651	AdA	651202720	0.001	0.10	0.40	-	100
	651	AGB	651203222	0.060	4.00	0.40	-	100
	651	GgA	651323320	0.649	43.60	0.25	-	100
	651	LcA	651422520	0.016	1.10	0.25	-	100
	651	PeA	651502920	0.005	0.40	0.37	-	100
	651	RbA	651542320	0.006	0.40	0.26	-	100
000A52	653	14	65314	0.003	1.60	0.27	-	100
	653	21	65321	0.016	7.20	0.70	-	100
	653	37	65337	0.020	9.30	0.79	-	100
	651	Bs	6512257	0.005	2.50	0.39	-	100
	651	Es	6512857	0.001	0.60	0.25	-	100
	651	GM	6513244	0.008	3.50	0.29	-	100
	651	HM	6513444	0.112	51.50	0.15	-	100
	651	TD	6515826	0.021	9.80	1.20	-	100
	651	GgA	651323320	0.007	3.10	0.25	-	100
	651	GYD	651326826	0.024	11.00	0.26	-	100
000A53	653	14	65314	0.197	11.30	0.27	-	100
	653	21	65321	0.375	21.50	0.70	-	100
	653	37	65337	0.007	0.40	0.79	-	100
	653	53	65353	0.910	52.10	0.91	-	100
	653	54	65354	0.258	14.80	0.86	-	100
000A54	653	14	65314	0.019	3.80	0.27	-	100
	653	37	65337	0.110	21.70	0.79	-	100
	653	53	65353	0.087	17.30	0.91	-	100
	653	54	65354	0.111	22.00	0.86	25.00 *	40
	651	CO	6512448	0.024	4.70	0.29	20.00	40
	651	RS	6515456	0.142	28.00	0.40	65.00	40
	651	GYD	651326826	0.013	2.60	0.26	-	100
000A55	653	14	65314	0.141	23.00	0.27	-	100
	653	21	65321	0.064	10.40	0.70	-	100
	653	37	65337	0.170	27.80	0.79	-	100
	653	53	65353	0.046	7.50	0.91	-	100
	651	AL	6512042	0.042	6.80	0.40	-	100
	651	CO	6512448	0.032	5.10	0.29	- *	100
	651	GM	6513244	0.040	6.50	0.29	-	100
	651	TD	6515826	0.018	2.90	1.20	-	100
	651	GgA	651323320	0.020	3.20	0.25	-	100
	651	GYD	651326826	0.041	6.60	0.26	-	100
000A56	653	14	65314	0.058	3.10	0.27	-	100
	653	37	65337	0.206	11.20	0.79	-	100
	653	53	65353	0.057	3.10	0.91	-	100
	651	Ae	6512029	0.080	4.30	0.39	-	100
	651	AL	6512042	0.053	2.90	0.40	-	100
	651	Bs	6512257	0.011	0.60	0.39	-	100
	651	CO	6512448	0.331	18.00	0.29	20.00	30
	651	Ld	6514227	0.018	1.00	0.25	-	100
	651	RS	6515456	0.251	13.60	0.40	65.00	30
	651	TD	6515826	0.039	2.10	1.20	-	100
	651	AbA	651202320	0.024	1.30	0.38	-	100
	651	GgA	651323320	0.196	10.70	0.25	-	100
	651	GYD	651326826	0.168	9.10	0.26	-	100
	651	HLC	651344224	0.179	9.80	0.14	-	100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)		Effective Rock (%)
Major Basin ID: A									
000A56	651	TrB	651585522	0.168	9.10	0.13	-		100
000A57	651	CO	6512448	0.472	32.10	0.29	20.00		90
	651	Ma	6514421	0.035	2.40	0.40	-		100
	651	RS	6515456	0.177	12.10	0.40	65.00		40
	651	TD	6515826	0.056	3.80	1.20	-		100
	651	AbA	651202320	0.059	4.00	0.38	-		100
	651	AdB	651202722	0.020	1.30	0.40	-		100
	651	GgA	651323320	0.226	15.40	0.25	-		100
	651	GYD	651326826	0.362	24.70	0.26	-		100
	651	TrA	651585520	0.019	1.30	0.11	-		100
	651	TrB	651585522	0.043	2.90	0.13	-		100
000A58	653	49	65349	0.156	7.30	0.74	-		100
	653	53	65353	0.073	3.40	0.91	-		100
	653	54	65354	0.077	3.60	0.86	-		100
	651	Ae	6512029	0.082	3.80	0.39	-		100
	651	CO	6512448	0.644	30.20	0.29	20.00		80
	651	RS	6515456	0.562	26.40	0.40	65.00		75
	651	TD	6515826	0.000	0.00	1.20	-		100
	651	Te	6515829	0.046	2.10	0.25	-		100
	651	AbA	651202320	0.176	8.30	0.38	-		100
	651	AGB	651203222	0.241	11.30	0.40	-		100
	651	GYD	651326826	0.075	3.50	0.26	-		100
000A59	651	Ae	6512029	0.109	8.70	0.39	-		100
	651	CO	6512448	0.755	60.10	0.29	20.00		100
	651	RS	6515456	0.263	21.00	0.40	65.00		75
	651	TD	6515826	0.006	0.50	1.20	-		100
	651	Te	6515829	0.003	0.30	0.25	-		100
	651	AbA	651202320	0.119	9.50	0.38	-		100
000A60	651	Ae	6512029	0.017	1.00	0.39	-		100
	651	CO	6512448	0.928	55.70	0.29	20.00		100
	651	Ma	6514421	0.001	0.00	0.40	-		100
	651	RS	6515456	0.137	8.20	0.40	65.00		75
	651	TD	6515826	0.058	3.40	1.20	-		100
	651	AbA	651202320	0.036	2.20	0.38	-		100
	651	AdA	651202720	0.044	2.60	0.40	-		100
	651	AdB	651202722	0.006	0.40	0.40	-		100
	651	GxB	651326722	0.036	2.20	0.24	-		100
	651	GYD	651326826	0.402	24.10	0.26	-		100
	651	RbA	651542320	0.002	0.10	0.26	-		100
000A61	651	Aa	6512021	0.009	0.40	0.26	-		100
	651	Ae	6512029	0.183	9.30	0.39	-		100
	651	Ch	6512435	0.017	0.90	0.24	-		100
	651	CO	6512448	0.136	6.90	0.29	-	*	100
	651	Cp	6512451	0.006	0.30	0.40	-		100
	651	Es	6512857	0.275	14.00	0.25	-		100
	651	Gh	6513235	0.281	14.30	0.24	-		100
	651	Lb	6514223	0.002	0.10	0.40	-		100
	651	Ld	6514227	0.075	3.80	0.25	-		100
	651	Ma	6514421	0.018	0.90	0.40	-		100
	651	RS	6515456	0.136	6.90	0.40	-	*	100
	651	TD	6515826	0.104	5.30	1.20	-		100
	651	Te	6515829	0.017	0.80	0.25	-		100
	651	Vg	6516233	0.003	0.10	0.91	-		100
	651	Vh	6516235	0.008	0.40	0.27	-		100
	651	Go3	65132493	0.085	4.30	0.19	-		100
	651	AbA	651202320	0.095	4.90	0.38	-		100
	651	AbB	651202322	0.015	0.80	0.39	-		100
	651	AdB	651202722	0.002	0.10	0.40	-		100
	651	AfA	651203120	0.016	0.80	0.38	-		100
	651	CrB	651245522	0.134	6.80	0.40	-		100
	651	GgA	651323320	0.112	5.70	0.25	-		100
	651	GYD	651326826	0.007	0.40	0.26	-		100
	651	LcA	651422520	0.226	11.50	0.25	-		100
	651	RbA	651542320	0.001	0.10	0.26	-		100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)	Effective Rock (%)
Major Basin ID: A								
000A62	651	CO	6512448	0.012	4.10	0.29	- *	100
	651	Ge	6513229	0.017	6.00	0.26	-	100
	651	Gh	6513235	0.005	1.80	0.24	-	100
	651	Ma	6514421	0.119	41.40	0.40	-	100
	651	TD	6515826	0.022	7.70	1.20	-	100
	651	Vh	6516235	0.006	2.10	0.27	-	100
	651	AbA	651202320	0.058	20.10	0.38	-	100
	651	AdA	651202720	0.004	1.20	0.40	-	100
	651	GxB	651326722	0.041	14.10	0.24	-	100
	651	RbA	651542320	0.004	1.50	0.26	-	100
000A63	651	Aa	6512021	0.001	0.20	0.26	-	100
	651	Ae	6512029	0.009	1.50	0.39	-	100
	651	Bs	6512257	0.002	0.30	0.39	-	100
	651	Es	6512857	0.020	3.30	0.25	-	100
	651	Ge	6513229	0.008	1.40	0.26	-	100
	651	HM	6513444	0.346	57.00	0.15	-	100
	651	Ma	6514421	0.003	0.60	0.40	-	100
	651	Te	6515829	0.112	18.50	0.25	-	100
	651	AGB	651203222	0.083	13.60	0.40	-	100
	651	RbA	651542320	0.006	1.00	0.26	-	100
	651	TfA	651583120	0.017	2.80	0.37	-	100
000A64	653	10	65310	0.021	8.90	1.01	-	100
	653	14	65314	0.022	9.40	0.27	-	100
	653	53	65353	0.034	14.50	0.91	-	100
	653	54	65354	0.008	3.50	0.86	-	100
	651	GN	6513246	0.126	54.80	0.25	-	100
	651	HM	6513444	0.001	0.60	0.15	-	100
	651	PT	6515058	0.019	8.40	0.40	-	100
000A65	653	10	65310	0.047	8.70	1.01	-	100
	653	14	65314	0.206	37.60	0.27	-	100
	653	21	65321	0.032	5.80	0.70	-	100
	653	37	65337	0.132	24.00	0.79	-	100
	653	53	65353	0.077	14.00	0.91	-	100
	653	54	65354	0.054	9.90	0.86	-	100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)	Effective Rock (%)
Major Basin ID: B								
000B01	653	6	6536	0.546	10.60	1.17	-	100
	653	10	65310	1.317	25.50	1.01	-	100
	653	14	65314	0.363	7.00	0.27	-	100
	653	21	65321	0.524	10.20	0.70	-	100
	653	37	65337	0.383	7.40	0.79	-	100
	653	49	65349	0.339	6.60	0.74	-	100
	653	51	65351	0.072	1.40	0.95	-	100
	653	53	65353	0.578	11.20	0.91	-	100
	653	54	65354	1.037	20.10	0.86	25.00	10
000B02	653	14	65314	0.701	19.60	0.27	-	100
	653	21	65321	1.227	34.20	0.70	-	100
	653	37	65337	0.208	5.80	0.79	-	100
	653	49	65349	0.065	1.80	0.74	-	100
	653	51	65351	0.170	4.70	0.95	-	100
	653	54	65354	1.213	33.80	0.86	25.00	40
000B03	653	6	6536	0.498	3.80	1.17	-	100
	653	10	65310	0.973	7.40	1.01	-	100
	653	14	65314	2.077	15.70	0.27	-	100
	653	21	65321	6.353	48.10	0.70	-	100
	653	37	65337	0.045	0.30	0.79	-	100
	653	49	65349	0.344	2.60	0.74	-	100
	653	51	65351	0.067	0.50	0.95	-	100
	653	53	65353	0.841	6.40	0.91	-	100
	653	54	65354	2.005	15.20	0.86	- *	100
000B04	653	6	6536	0.046	5.00	1.17	-	100
	653	14	65314	0.339	37.50	0.27	-	100
	653	21	65321	0.273	30.20	0.70	-	100
	651	GN	6513246	0.248	27.30	0.25	-	100
000B05	653	14	65314	0.048	9.10	0.27	-	100
	653	21	65321	0.074	13.90	0.70	-	100
	651	AM	6512044	0.017	3.10	0.39	-	100
	651	GN	6513246	0.393	73.90	0.25	-	100
000B06	651	AM	6512044	0.139	24.60	0.39	-	100
	651	GN	6513246	0.426	75.40	0.25	-	100
000B07	651	Bs	6512257	0.014	4.10	0.39	-	100
	651	Es	6512857	0.004	1.00	0.25	-	100
	651	Ge	6513229	0.163	48.00	0.26	-	100
	651	Mp	6514451	0.039	11.40	0.25	-	100
	651	GgA	651323320	0.097	28.50	0.25	-	100
	651	LcA	651422520	0.024	7.00	0.25	-	100
000B08	651	Ae	6512029	0.020	4.60	0.39	-	100
	651	Bs	6512257	0.094	21.80	0.39	-	100
	651	Es	6512857	0.016	3.60	0.25	-	100
	651	Ge	6513229	0.045	10.40	0.26	-	100
	651	TD	6515826	0.016	3.70	1.20	-	100
	651	AbA	651202320	0.016	3.80	0.38	-	100
	651	GgA	651323320	0.224	52.20	0.25	-	100
000B09	651	Ae	6512029	0.016	6.00	0.39	-	100
	651	Bs	6512257	0.042	15.90	0.39	-	100
	651	Ge	6513229	0.074	28.10	0.26	-	100
	651	TD	6515826	0.086	32.60	1.20	-	100
	651	GgA	651323320	0.046	17.40	0.25	-	100
000B10	651	Es	6512857	0.054	9.70	0.25	-	100
	651	Ge	6513229	0.055	10.00	0.26	-	100
	651	GN	6513246	0.366	66.20	0.25	-	100
	651	Mp	6514451	0.013	2.40	0.25	-	100
	651	Va	6516221	0.059	10.60	0.39	-	100
	651	GgA	651323320	0.001	0.10	0.25	-	100
	651	LcA	651422520	0.005	0.90	0.25	-	100
000B11	651	Cp	6512451	0.018	7.40	0.40	-	100
	651	Es	6512857	0.081	33.80	0.25	-	100
	651	GN	6513246	0.109	45.50	0.25	-	100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)	Effective Rock (%)
Major Basin ID: B								
000B11	651	Te	6515829	0.014	5.90	0.25	-	100
	651	Va	6516221	0.006	2.50	0.39	-	100
	651	LcA	651422520	0.012	5.00	0.25	-	100
000B12	651	Ae	6512029	0.002	0.60	0.39	-	100
	651	Bs	6512257	0.004	1.30	0.39	-	100
	651	Es	6512857	0.089	26.60	0.25	-	100
	651	Ge	6513229	0.100	29.90	0.26	-	100
	651	GN	6513246	0.053	15.90	0.25	-	100
	651	TD	6515826	0.010	3.00	1.20	-	100
	651	Va	6516221	0.005	1.40	0.39	-	100
	651	AbA	651202320	0.001	0.20	0.38	-	100
	651	AdA	651202720	0.052	15.80	0.40	-	100
	651	GgA	651323320	0.018	5.40	0.25	-	100
000B13	653	6	6536	0.010	6.70	1.17	-	100
	653	14	65314	0.035	22.50	0.27	-	100
	653	67	65367	0.005	3.20	0.58	-	100
	651	Ae	6512029	0.043	27.70	0.39	-	100
	651	AL	6512042	0.020	12.90	0.40	-	100
	651	GN	6513246	0.042	27.00	0.25	-	100
000B14	653	14	65314	0.005	1.20	0.27	-	100
	653	67	65367	0.006	1.60	0.58	-	100
	651	Ae	6512029	0.091	23.10	0.39	-	100
	651	AL	6512042	0.034	8.70	0.40	-	100
	651	AM	6512044	0.011	2.80	0.39	-	100
	651	GN	6513246	0.200	51.00	0.25	-	100
	651	Ma	6514421	0.020	5.00	0.40	-	100
	651	AdA	651202720	0.026	6.60	0.40	-	100
000B15	651	Bs	6512257	0.019	2.90	0.39	-	100
	651	Es	6512857	0.033	5.10	0.25	-	100
	651	Ge	6513229	0.202	31.40	0.26	-	100
	651	GN	6513246	0.035	5.40	0.25	-	100
	651	Ma	6514421	0.020	3.10	0.40	-	100
	651	TD	6515826	0.015	2.30	1.20	-	100
	651	AbA	651202320	0.080	12.30	0.38	-	100
	651	AdA	651202720	0.174	27.00	0.40	-	100
	651	GgA	651323320	0.068	10.50	0.25	-	100
000B16	653	10	65310	0.128	15.60	1.01	-	100
	653	14	65314	0.360	43.80	0.27	-	100
	653	21	65321	0.187	22.70	0.70	-	100
	653	54	65354	0.147	17.80	0.86	- *	100
000B17	653	14	65314	0.017	35.90	0.27	-	100
	653	21	65321	0.031	64.10	0.70	-	100
000B18	653	14	65314	0.209	33.50	0.27	-	100
	653	20	65320	0.019	3.10	0.67	-	100
	653	21	65321	0.395	63.40	0.70	-	100
	653	37	65337	0.000	0.10	0.79	-	100
000B19	653	14	65314	0.004	0.70	0.27	-	100
	653	21	65321	0.035	6.50	0.70	-	100
	653	37	65337	0.049	9.10	0.79	-	100
	653	67	65367	0.003	0.50	0.58	-	100
	651	AL	6512042	0.204	38.00	0.40	-	100
	651	AM	6512044	0.103	19.20	0.39	-	100
	651	CV	6512462	0.013	2.40	0.39	-	100
	651	GM	6513244	0.056	10.50	0.29	-	100
	651	HLC	651344224	0.071	13.20	0.14	-	100
000B20	651	AL	6512042	0.007	4.10	0.40	-	100
	651	AM	6512044	0.170	95.90	0.39	-	100
000B21	651	Ae	6512029	0.029	9.20	0.39	-	100
	651	AL	6512042	0.005	1.60	0.40	-	100
	651	AM	6512044	0.226	72.40	0.39	-	100
	651	Cp	6512451	0.004	1.20	0.40	-	100
	651	GN	6513246	0.042	13.30	0.25	-	100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)		Effective Rock (%)
Major Basin ID: B									
000B21	651	Va	6516221	0.007	2.30	0.39	-		100
000B22	653	10	65310	0.116	21.10	1.01	-		100
	653	14	65314	0.249	45.40	0.27	-		100
	653	54	65354	0.183	33.50	0.86	-	*	100
000B23	653	10	65310	0.113	37.80	1.01	-		100
	653	14	65314	0.013	4.30	0.27	-		100
	653	21	65321	0.059	19.60	0.70	-		100
	653	54	65354	0.115	38.30	0.86	-	*	100
000B24	653	10	65310	0.025	10.40	1.01	-		100
	653	14	65314	0.022	9.40	0.27	-		100
	653	20	65320	0.015	6.10	0.67	-		100
	653	21	65321	0.144	60.70	0.70	-		100
	653	54	65354	0.032	13.40	0.86	-	*	100
000B25	653	10	65310	0.031	10.40	1.01	-		100
	653	14	65314	0.001	0.50	0.27	-		100
	653	20	65320	0.147	49.20	0.67	-		100
	653	21	65321	0.049	16.30	0.70	-		100
	653	54	65354	0.070	23.60	0.86	-	*	100
000B26	653	10	65310	0.039	11.10	1.01	-		100
	653	14	65314	0.032	9.00	0.27	-		100
	653	20	65320	0.177	50.10	0.67	-		100
	653	21	65321	0.040	11.30	0.70	-		100
	653	54	65354	0.065	18.50	0.86	-	*	100
000B27	653	10	65310	0.099	11.60	1.01	-		100
	653	20	65320	0.288	33.70	0.67	-		100
	653	21	65321	0.254	29.70	0.70	-		100
	653	54	65354	0.214	25.00	0.86	-	*	100
000B28	653	10	65310	0.046	12.00	1.01	-		100
	653	20	65320	0.061	15.80	0.67	-		100
	653	21	65321	0.200	51.90	0.70	-		100
	653	54	65354	0.078	20.30	0.86	-	*	100
000B29	653	10	65310	0.031	3.40	1.01	-		100
	653	20	65320	0.267	29.20	0.67	-		100
	653	21	65321	0.354	38.70	0.70	-		100
	653	37	65337	0.158	17.30	0.79	-		100
	653	54	65354	0.036	4.00	0.86	-	*	100
	651	Cp	6512451	0.007	0.80	0.40	-		100
	651	CrB	651245522	0.062	6.80	0.40	-		100
000B30	653	10	65310	0.172	32.30	1.01	-		100
	653	20	65320	0.019	3.50	0.67	-		100
	653	21	65321	0.081	15.20	0.70	-		100
	653	37	65337	0.161	30.20	0.79	-		100
	653	54	65354	0.100	18.80	0.86	-	*	100
000B31	653	10	65310	0.022	13.90	1.01	-		100
	653	21	65321	0.093	58.30	0.70	-		100
	653	37	65337	0.032	19.70	0.79	-		100
	653	54	65354	0.013	8.10	0.86	-	*	100
000B32	653	21	65321	0.002	4.40	0.70	-		100
	653	37	65337	0.041	95.60	0.79	-		100
000B33	653	14	65314	0.032	11.30	0.27	-		100
	653	20	65320	0.126	44.50	0.67	-		100
	653	21	65321	0.123	43.50	0.70	-		100
	653	66	65366	0.002	0.60	0.40	-		100
	653	67	65367	0.000	0.00	0.58	-		100
000B34	653	20	65320	0.015	12.20	0.67	-		100
	653	21	65321	0.110	87.80	0.70	-		100
000B35	653	10	65310	0.004	1.50	1.01	-		100
	653	20	65320	0.197	79.20	0.67	-		100
	653	21	65321	0.048	19.30	0.70	-		100
000B36	653	10	65310	0.010	5.40	1.01	-		100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)	Effective Rock (%)
Major Basin ID: B								
000B36	653	14	65314	0.174	94.60	0.27	-	100
000B37	653	14	65314	0.080	93.10	0.27	-	100
	653	20	65320	0.006	6.90	0.67	-	100
000B38	653	14	65314	0.439	100.00	0.27	-	100
000B39	653	14	65314	0.169	43.40	0.27	-	100
	653	21	65321	0.221	56.60	0.70	-	100
000B40	653	20	65320	0.001	0.30	0.67	-	100
	653	21	65321	0.160	88.10	0.70	-	100
	653	37	65337	0.008	4.20	0.79	-	100
	651	AL	6512042	0.014	7.40	0.40	-	100
000B41	651	AL	6512042	0.003	0.70	0.40	-	100
	651	AM	6512044	0.201	45.30	0.39	-	100
	651	Cp	6512451	0.004	0.90	0.40	-	100
	651	CV	6512462	0.120	27.00	0.39	-	100
	651	GM	6513244	0.105	23.50	0.29	-	100
	651	GgA	651323320	0.011	2.50	0.25	-	100
000B42	651	AM	6512044	0.168	85.60	0.39	-	100
	651	CV	6512462	0.028	14.40	0.39	-	100
000B43	651	AM	6512044	0.001	0.30	0.39	-	100
	651	Cp	6512451	0.018	10.10	0.40	-	100
	651	Cs	6512457	0.027	15.60	0.19	-	100
	651	CV	6512462	0.039	22.20	0.39	-	100
	651	GM	6513244	0.028	16.30	0.29	-	100
	651	HM	6513444	0.029	16.80	0.15	-	100
	651	GgA	651323320	0.033	18.70	0.25	-	100
000B44	651	AM	6512044	0.036	9.70	0.39	-	100
	651	Cp	6512451	0.017	4.40	0.40	-	100
	651	Es	6512857	0.061	16.30	0.25	-	100
	651	Ge	6513229	0.045	11.90	0.26	-	100
	651	Ma	6514421	0.103	27.40	0.40	-	100
	651	AbA	651202320	0.106	28.30	0.38	-	100
	651	LcA	651422520	0.007	2.00	0.25	-	100
000B45	651	Ae	6512029	0.056	5.80	0.39	-	100
	651	Cp	6512451	0.003	0.30	0.40	-	100
	651	Es	6512857	0.154	15.90	0.25	-	100
	651	Ge	6513229	0.100	10.40	0.26	-	100
	651	Ma	6514421	0.194	20.00	0.40	-	100
	651	TD	6515826	0.009	0.90	1.20	-	100
	651	AbA	651202320	0.153	15.80	0.38	-	100
	651	AdA	651202720	0.231	23.90	0.40	-	100
	651	GgA	651323320	0.068	7.10	0.25	-	100
000B46	651	AM	6512044	0.101	9.50	0.39	-	100
	651	Bs	6512257	0.000	0.00	0.39	-	100
	651	Cp	6512451	0.163	15.30	0.40	-	100
	651	Cs	6512457	0.129	12.10	0.19	-	100
	651	CV	6512462	0.002	0.20	0.39	-	100
	651	Es	6512857	0.070	6.60	0.25	-	100
	651	Ge	6513229	0.095	8.90	0.26	-	100
	651	GM	6513244	0.001	0.10	0.29	-	100
	651	HM	6513444	0.014	1.30	0.15	-	100
	651	Ma	6514421	0.027	2.60	0.40	-	100
	651	TD	6515826	0.033	3.20	1.20	-	100
	651	Va	6516221	0.048	4.50	0.39	-	100
	651	AbA	651202320	0.104	9.80	0.38	-	100
	651	AdA	651202720	0.058	5.40	0.40	-	100
	651	GgA	651323320	0.215	20.30	0.25	-	100
000B47	651	Cp	6512451	0.065	20.60	0.40	-	100
	651	GM	6513244	0.193	61.10	0.29	-	100
	651	AbA	651202320	0.001	0.20	0.38	-	100
	651	GgA	651323320	0.000	0.10	0.25	-	100
	651	LcA	651422520	0.057	18.00	0.25	-	100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)	Effective Rock (%)
Major Basin ID: B								
000B48	651	AL	6512042	0.021	3.60	0.40	-	100
	651	Es	6512857	0.014	2.50	0.25	-	100
	651	GM	6513244	0.505	88.00	0.29	-	100
	651	HM	6513444	0.002	0.40	0.15	-	100
	651	Mp	6514451	0.002	0.30	0.25	-	100
	651	GgA	651323320	0.016	2.70	0.25	-	100
	651	LcA	651422520	0.015	2.50	0.25	-	100
000B49	653	21	65321	0.000	0.10	0.70	-	100
	651	AL	6512042	0.102	37.90	0.40	-	100
	651	GM	6513244	0.012	4.60	0.29	-	100
	651	HM	6513444	0.155	57.40	0.15	-	100
000B50	653	20	65320	0.079	28.80	0.67	-	100
	653	21	65321	0.041	14.80	0.70	-	100
	651	Aa	6512021	0.001	0.40	0.26	-	100
	651	AL	6512042	0.000	0.00	0.40	-	100
	651	Es	6512857	0.033	12.20	0.25	-	100
	651	GM	6513244	0.003	1.00	0.29	-	100
	651	HM	6513444	0.114	41.80	0.15	-	100
	651	Mp	6514451	0.003	0.90	0.25	-	100
000B52	653	14	65314	0.235	40.80	0.27	-	100
	653	20	65320	0.277	48.00	0.67	-	100
	653	21	65321	0.057	10.00	0.70	-	100
	651	Aa	6512021	0.000	0.00	0.26	-	100
	651	Es	6512857	0.006	1.10	0.25	-	100
	651	HM	6513444	0.001	0.20	0.15	-	100
000B53	653	14	65314	0.289	53.70	0.27	-	100
	653	20	65320	0.192	35.80	0.67	-	100
	653	21	65321	0.029	5.30	0.70	-	100
	653	46	65346	0.005	0.90	0.26	-	100
	653	48	65348	0.023	4.30	0.27	-	100
000B54	653	14	65314	0.258	89.30	0.27	-	100
	653	20	65320	0.031	10.70	0.67	-	100
000B55	653	14	65314	0.009	11.70	0.27	-	100
	653	20	65320	0.066	84.00	0.67	-	100
	653	66	65366	0.003	3.90	0.40	-	100
	651	Cp	6512451	0.000	0.10	0.40	-	100
	651	Ma	6514421	0.000	0.10	0.40	-	100
	651	LcA	651422520	0.000	0.10	0.25	-	100
000B56	653	20	65320	0.017	7.80	0.67	-	100
	653	21	65321	0.000	0.00	0.70	-	100
	653	37	65337	0.079	35.60	0.79	-	100
	651	Cp	6512451	0.004	1.70	0.40	-	100
	651	Cs	6512457	0.026	11.90	0.19	-	100
	651	AdB	651202722	0.009	4.10	0.40	-	100
	651	AGB	651203222	0.000	0.00	0.40	-	100
	651	HLC	651344224	0.086	38.90	0.14	-	100
000B57	653	20	65320	0.023	23.00	0.67	-	100
	653	21	65321	0.004	4.10	0.70	-	100
	653	37	65337	0.015	15.20	0.79	-	100
	651	Cs	6512457	0.007	7.30	0.19	-	100
	651	AdB	651202722	0.016	16.00	0.40	-	100
	651	HLC	651344224	0.034	34.30	0.14	-	100
000B58	653	20	65320	0.005	2.00	0.67	-	100
	653	21	65321	0.006	2.50	0.70	-	100
	651	Cp	6512451	0.063	25.80	0.40	-	100
	651	AdB	651202722	0.105	43.40	0.40	-	100
	651	CrB	651245522	0.047	19.20	0.40	-	100
	651	TfA	651583120	0.005	2.10	0.37	-	100
	651	TfB	651583122	0.012	4.90	0.36	-	100
000B59	653	14	65314	0.000	0.00	0.27	-	100
	653	46	65346	0.000	0.00	0.26	-	100
	653	67	65367	0.000	0.00	0.58	-	100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)	Effective Rock (%)
Major Basin ID: B								
000B59	651	Bs	6512257	0.003	0.70	0.39	-	100
	651	Ch	6512435	0.005	1.10	0.24	-	100
	651	Cp	6512451	0.192	38.10	0.40	-	100
	651	Cs	6512457	0.003	0.60	0.19	-	100
	651	Es	6512857	0.114	22.50	0.25	-	100
	651	Ge	6513229	0.006	1.20	0.26	-	100
	651	Ma	6514421	0.121	24.00	0.40	-	100
	651	AbA	651202320	0.006	1.20	0.38	-	100
	651	GgA	651323320	0.031	6.20	0.25	-	100
	651	LcA	651422520	0.005	0.90	0.25	-	100
	651	TfA	651583120	0.018	3.50	0.37	-	100
000B60	653	14	65314	0.003	0.30	0.27	-	100
	653	21	65321	0.001	0.10	0.70	-	100
	653	46	65346	0.000	0.00	0.26	-	100
	653	48	65348	0.000	0.00	0.27	-	100
	653	67	65367	0.000	0.00	0.58	-	100
	651	Aa	6512021	0.011	1.10	0.26	-	100
	651	Ch	6512435	0.000	0.00	0.24	-	100
	651	Cp	6512451	0.053	5.30	0.40	-	100
	651	Cs	6512457	0.000	0.00	0.19	-	100
	651	Es	6512857	0.550	55.30	0.25	-	100
	651	Ge	6513229	0.100	10.10	0.26	-	100
	651	Ma	6514421	0.085	8.60	0.40	-	100
	651	Mo	6514449	0.053	5.30	0.39	-	100
	651	Mp	6514451	0.049	4.90	0.25	-	100
	651	AbA	651202320	0.041	4.10	0.38	-	100
	651	AdA	651202720	0.029	2.90	0.40	-	100
	651	GgA	651323320	0.018	1.80	0.25	-	100
000B61	651	Aa	6512021	0.007	0.90	0.26	-	100
	651	Cp	6512451	0.000	0.00	0.40	-	100
	651	Es	6512857	0.179	24.00	0.25	-	100
	651	GM	6513244	0.002	0.30	0.29	-	100
	651	Ma	6514421	0.004	0.60	0.40	-	100
	651	Mo	6514449	0.012	1.60	0.39	-	100
	651	Mp	6514451	0.042	5.60	0.25	-	100
	651	TD	6515826	0.046	6.20	1.20	-	100
	651	AbA	651202320	0.004	0.60	0.38	-	100
	651	GgA	651323320	0.340	45.60	0.25	-	100
	651	LcA	651422520	0.109	14.60	0.25	-	100
000B62	651	Es	6512857	0.121	36.30	0.25	-	100
	651	Ge	6513229	0.056	16.80	0.26	-	100
	651	Ma	6514421	0.019	5.70	0.40	-	100
	651	TD	6515826	0.011	3.20	1.20	-	100
	651	AbA	651202320	0.020	5.90	0.38	-	100
	651	GgA	651323320	0.107	32.10	0.25	-	100
000B63	651	Es	6512857	0.057	25.00	0.25	-	100
	651	Ge	6513229	0.069	30.40	0.26	-	100
	651	Ma	6514421	0.051	22.40	0.40	-	100
	651	Mp	6514451	0.008	3.70	0.25	-	100
	651	TD	6515826	0.004	1.60	1.20	-	100
	651	AbA	651202320	0.025	10.90	0.38	-	100
	651	GgA	651323320	0.013	5.80	0.25	-	100
000B64	651	Cp	6512451	0.001	0.20	0.40	-	100
	651	Cs	6512457	0.008	2.80	0.19	-	100
	651	Es	6512857	0.066	22.80	0.25	-	100
	651	Ge	6513229	0.049	17.00	0.26	-	100
	651	Ma	6514421	0.016	5.50	0.40	-	100
	651	Mp	6514451	0.137	47.60	0.25	-	100
	651	TD	6515826	0.001	0.30	1.20	-	100
	651	GgA	651323320	0.011	3.70	0.25	-	100
000B65	653	14	65314	0.174	87.40	0.27	-	100
	653	20	65320	0.006	3.00	0.67	-	100
	653	46	65346	0.009	4.50	0.26	-	100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)	Effective Rock (%)
Major Basin ID: B								
000B65	653	66	65366	0.000	0.10	0.40	-	100
	653	67	65367	0.010	4.90	0.58	-	100
	651	Ma	6514421	0.000	0.10	0.40	-	100
	651	GgA	651323320	0.000	0.10	0.25	-	100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)		Effective Rock (%)
Major Basin ID: C									
C01	653	49	65349	0.080	17.90	0.74	-		100
	653	54	65354	0.369	82.10	0.86	25.00	*	70
C02	653	49	65349	0.032	24.50	0.74	-		100
	653	54	65354	0.098	75.50	0.86	25.00	*	70
C03	653	49	65349	0.119	40.30	0.74	-		100
	653	54	65354	0.176	59.70	0.86	25.00	*	50
C04	653	49	65349	0.021	9.00	0.74	-		100
	653	54	65354	0.213	91.00	0.86	25.00	*	85
C05	653	49	65349	0.114	49.80	0.74	-		100
	653	54	65354	0.115	50.20	0.86	25.00	*	40
C06	653	14	65314	0.016	4.50	0.27	-		100
	653	21	65321	0.214	61.20	0.70	-		100
	653	49	65349	0.120	34.30	0.74	-		100
C07	653	10	65310	0.057	4.80	1.01	-		100
	653	21	65321	0.721	60.90	0.70	-		100
	653	49	65349	0.249	21.10	0.74	-		100
	653	54	65354	0.156	13.20	0.86	-	*	100
C08	653	10	65310	0.051	5.90	1.01	-		100
	653	14	65314	0.020	2.30	0.27	-		100
	653	21	65321	0.514	58.90	0.70	-		100
	653	49	65349	0.282	32.30	0.74	-		100
	653	54	65354	0.006	0.70	0.86	-		100
C09	653	21	65321	0.103	75.00	0.70	-		100
	653	49	65349	0.035	25.00	0.74	-		100
C10	653	14	65314	0.024	4.30	0.27	-		100
	653	21	65321	0.451	82.20	0.70	-		100
	653	49	65349	0.074	13.40	0.74	-		100
C11	653	21	65321	0.131	45.20	0.70	-		100
	653	49	65349	0.158	54.50	0.74	-		100
	653	54	65354	0.001	0.30	0.86	-		100
C12	653	21	65321	0.083	41.40	0.70	-		100
	653	49	65349	0.103	51.20	0.74	-		100
	653	54	65354	0.015	7.40	0.86	-		100
C13	653	14	65314	0.027	5.20	0.27	-		100
	653	21	65321	0.449	86.30	0.70	-		100
	653	49	65349	0.044	8.50	0.74	-		100
C14	653	21	65321	0.224	100.00	0.70	-		100
C15	653	14	65314	0.067	70.40	0.27	-		100
	653	21	65321	0.028	29.60	0.70	-		100
C16	653	14	65314	0.009	7.00	0.27	-		100
	653	21	65321	0.118	93.00	0.70	-		100
C17	653	14	65314	0.034	28.30	0.27	-		100
	653	21	65321	0.072	59.00	0.70	-		100
	653	54	65354	0.015	12.70	0.86	-		100
C18	653	14	65314	0.051	65.20	0.27	-		100
	653	21	65321	0.019	24.40	0.70	-		100
	653	54	65354	0.008	10.40	0.86	-		100
C19	653	14	65314	0.091	35.20	0.27	-		100
	653	21	65321	0.167	64.80	0.70	-		100
C20	653	10	65310	0.005	1.00	1.01	-		100
	653	14	65314	0.042	9.10	0.27	-		100
	653	21	65321	0.416	89.70	0.70	-		100
	653	54	65354	0.001	0.20	0.86	-		100
C21	653	10	65310	0.162	0.60	1.01	-		100
	653	21	65321	0.053	0.20	0.70	-		100
	653	54	65354	25.000	99.10	0.86	25.00	*	50
C22	653	14	65314	0.005	0.70	0.27	-		100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)	Effective Rock (%)
Major Basin ID: C								
C22	653	21	65321	0.677	84.30	0.70	-	100
	653	54	65354	0.121	15.10	0.86	-	100
C23	653	14	65314	0.002	0.50	0.27	-	100
	653	21	65321	0.302	60.90	0.70	-	100
	653	54	65354	0.192	38.60	0.86	-	100
C24	653	14	65314	0.006	3.90	0.27	-	100
	653	21	65321	0.156	96.10	0.70	-	100
C25	653	21	65321	0.076	100.00	0.70	-	100
C26	653	21	65321	0.101	100.00	0.70	-	100
C27	653	14	65314	0.076	35.30	0.27	-	100
	653	21	65321	0.138	64.70	0.70	-	100
C28	653	14	65314	0.050	100.00	0.27	-	100
C29	653	14	65314	0.195	57.40	0.27	-	100
	653	20	65320	0.010	2.90	0.67	-	100
	653	21	65321	0.134	39.60	0.70	-	100
C30	653	14	65314	0.163	69.20	0.27	-	100
	653	20	65320	0.008	3.20	0.67	-	100
	653	21	65321	0.065	27.60	0.70	-	100
C31	653	21	65321	0.101	100.00	0.70	-	100
C33	653	6	6536	0.308	0.90	1.17	-	100
	653	10	65310	1.079	3.30	1.01	-	100
	653	14	65314	10.744	33.00	0.27	-	100
	653	20	65320	1.367	4.20	0.67	-	100
	653	21	65321	8.055	24.80	0.70	-	100
	653	37	65337	3.371	10.40	0.79	-	100
	653	49	65349	1.049	3.20	0.74	-	100
	653	51	65351	1.341	4.10	0.95	-	100
	653	53	65353	0.201	0.60	0.91	-	100
	653	54	65354	5.003	15.40	0.86	25.00 *	30
C34	653	6	6536	0.305	35.40	1.17	-	100
	653	14	65314	0.356	41.30	0.27	-	100
	653	20	65320	0.023	2.60	0.67	-	100
	653	66	65366	0.014	1.60	0.40	-	100
	653	67	65367	0.006	0.70	0.58	-	100
	651	Ae	6512029	0.039	4.50	0.39	-	100
	651	Es	6512857	0.000	0.00	0.25	-	100
	651	Ge	6513229	0.010	1.10	0.26	-	100
	651	Ma	6514421	0.030	3.50	0.40	-	100
	651	TD	6515826	0.077	9.00	1.20	-	100
	651	GgA	651323320	0.003	0.40	0.25	-	100
C35	653	6	6536	0.001	0.00	1.17	-	100
	653	14	65314	1.371	23.60	0.27	-	100
	653	20	65320	1.818	31.30	0.67	-	100
	653	21	65321	0.728	12.50	0.70	-	100
	653	37	65337	0.372	6.40	0.79	-	100
	653	46	65346	0.002	0.00	0.26	-	100
	653	51	65351	0.442	7.60	0.95	-	100
	653	54	65354	1.005	17.30	0.86	-	100
	653	67	65367	0.020	0.30	0.58	-	100
	651	Ae	6512029	0.036	0.60	0.39	-	100
	651	Es	6512857	0.003	0.10	0.25	-	100
	651	Ge	6513229	0.002	0.00	0.26	-	100
	651	TD	6515826	0.000	0.00	1.20	-	100
	651	GgA	651323320	0.006	0.10	0.25	-	100
C36	653	6	6536	0.019	0.60	1.17	-	100
	653	14	65314	0.475	15.40	0.27	-	100
	653	20	65320	0.062	2.00	0.67	-	100
	653	21	65321	0.690	22.40	0.70	-	100
	653	37	65337	0.098	3.20	0.79	-	100
	653	46	65346	0.000	0.00	0.26	-	100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)	Effective Rock (%)
Major Basin ID: C								
C36	653	51	65351	0.184	6.00	0.95	-	100
	653	53	65353	0.000	0.00	0.91	-	100
	653	54	65354	0.262	8.50	0.86	-	100
	653	66	65366	0.028	0.90	0.40	-	100
	653	67	65367	0.013	0.40	0.58	-	100
	651	Ae	6512029	0.239	7.70	0.39	-	100
	651	AL	6512042	0.210	6.80	0.40	-	100
	651	AM	6512044	0.073	2.40	0.39	-	100
	651	Bs	6512257	0.004	0.10	0.39	-	100
	651	Es	6512857	0.193	6.30	0.25	-	100
	651	Ge	6513229	0.069	2.20	0.26	-	100
	651	GN	6513246	0.164	5.30	0.25	-	100
	651	Ma	6514421	0.174	5.60	0.40	-	100
	651	TD	6515826	0.026	0.80	1.20	-	100
	651	AbA	651202320	0.016	0.50	0.38	-	100
	651	GgA	651323320	0.086	2.80	0.25	-	100
C37	653	6	6536	0.043	2.40	1.17	-	100
	653	21	65321	0.412	22.90	0.70	-	100
	653	37	65337	0.386	21.40	0.79	-	100
	651	AL	6512042	0.490	27.20	0.40	-	100
	651	AM	6512044	0.002	0.10	0.39	-	100
	651	Es	6512857	0.008	0.50	0.25	-	100
	651	GN	6513246	0.456	25.30	0.25	-	100
	651	Va	6516221	0.000	0.00	0.39	-	100
	651	GgA	651323320	0.004	0.20	0.25	-	100
	651	LcA	651422520	0.001	0.00	0.25	-	100
C38	653	6	6536	0.127	19.80	1.17	-	100
	653	14	65314	0.168	26.30	0.27	-	100
	653	21	65321	0.003	0.40	0.70	-	100
	653	37	65337	0.265	41.50	0.79	-	100
	653	66	65366	0.004	0.70	0.40	-	100
	651	AM	6512044	0.030	4.70	0.39	-	100
	651	GN	6513246	0.025	4.00	0.25	-	100
	651	HLC	651344224	0.017	2.70	0.14	-	100
C39	653	6	6536	0.031	24.30	1.17	-	100
	653	21	65321	0.012	9.40	0.70	-	100
	653	37	65337	0.085	66.30	0.79	-	100
C40	653	21	65321	0.093	54.60	0.70	-	100
	653	37	65337	0.077	45.40	0.79	-	100
C41	653	21	65321	0.004	5.60	0.70	-	100
	653	37	65337	0.074	94.40	0.79	-	100
C42	653	21	65321	0.026	23.50	0.70	-	100
	653	37	65337	0.044	40.50	0.79	-	100
	653	66	65366	0.005	4.30	0.40	-	100
	651	AL	6512042	0.030	27.40	0.40	-	100
	651	AM	6512044	0.005	4.20	0.39	-	100
C43	653	21	65321	0.001	0.60	0.70	-	100
	653	37	65337	0.207	99.00	0.79	-	100
	653	66	65366	0.001	0.40	0.40	-	100
C44	653	37	65337	0.003	1.80	0.79	-	100
	653	66	65366	0.016	9.20	0.40	-	100
	651	AM	6512044	0.070	41.10	0.39	-	100
	651	GN	6513246	0.001	0.60	0.25	-	100
	651	HLC	651344224	0.081	47.40	0.14	-	100
C45	653	37	65337	0.003	2.10	0.79	-	100
	653	66	65366	0.005	3.60	0.40	-	100
	651	AL	6512042	0.004	3.10	0.40	-	100
	651	AM	6512044	0.070	55.90	0.39	-	100
	651	GN	6513246	0.036	28.50	0.25	-	100
	651	HLC	651344224	0.009	6.80	0.14	-	100
C46	653	21	65321	0.035	14.40	0.70	-	100
	653	37	65337	0.010	4.20	0.79	-	100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)	Effective Rock (%)
Major Basin ID: C								
C46	651	AL	6512042	0.118	48.00	0.40	-	100
	651	GN	6513246	0.082	33.40	0.25	-	100
C47	651	Ae	6512029	0.022	2.20	0.39	-	100
	651	AL	6512042	0.011	1.10	0.40	-	100
	651	AM	6512044	0.147	14.70	0.39	-	100
	651	Es	6512857	0.003	0.30	0.25	-	100
	651	Ge	6513229	0.005	0.50	0.26	-	100
	651	GN	6513246	0.774	77.40	0.25	-	100
	651	TD	6515826	0.014	1.40	1.20	-	100
	651	GgA	651323320	0.022	2.20	0.25	-	100
	651	HLC	651344224	0.002	0.20	0.14	-	100
C48	651	Ae	6512029	0.047	18.30	0.39	-	100
	651	Es	6512857	0.013	5.00	0.25	-	100
	651	Ge	6513229	0.005	2.10	0.26	-	100
	651	GN	6513246	0.132	51.90	0.25	-	100
	651	TD	6515826	0.017	6.70	1.20	-	100
	651	Va	6516221	0.033	13.00	0.39	-	100
	651	LcA	651422520	0.007	2.90	0.25	-	100
C49	651	Ae	6512029	0.047	25.10	0.39	-	100
	651	Es	6512857	0.086	46.40	0.25	-	100
	651	Ge	6513229	0.004	1.90	0.26	-	100
	651	TD	6515826	0.012	6.20	1.20	-	100
	651	GgA	651323320	0.033	17.70	0.25	-	100
	651	LcA	651422520	0.005	2.60	0.25	-	100
C51	651	Ae	6512029	0.009	2.20	0.39	-	100
	651	Bs	6512257	0.011	2.80	0.39	-	100
	651	Ge	6513229	0.237	60.80	0.26	-	100
	651	Mp	6514451	0.002	0.60	0.25	-	100
	651	AbA	651202320	0.001	0.20	0.38	-	100
	651	GgA	651323320	0.131	33.60	0.25	-	100
C52	651	Es	6512857	0.060	15.60	0.25	-	100
	651	Ge	6513229	0.114	29.70	0.26	-	100
	651	Mp	6514451	0.066	17.30	0.25	-	100
	651	GgA	651323320	0.094	24.50	0.25	-	100
	651	LcA	651422520	0.049	12.90	0.25	-	100
C53	651	Cp	6512451	0.005	1.40	0.40	-	100
	651	Es	6512857	0.052	13.90	0.25	-	100
	651	Mp	6514451	0.077	20.60	0.25	-	100
	651	GgA	651323320	0.070	18.70	0.25	-	100
	651	LcA	651422520	0.169	45.40	0.25	-	100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)	Effective Rock (%)
Major Basin ID: D								
000D01	653	10	65310	0.227	9.30	1.01	-	100
	653	14	65314	0.188	7.70	0.27	-	100
	653	21	65321	1.151	47.40	0.70	-	100
	653	49	65349	0.315	13.00	0.74	-	100
	653	51	65351	0.174	7.20	0.95	-	100
	653	54	65354	0.374	15.40	0.86	25.00 *	20
000D02	653	21	65321	0.002	0.30	0.70	-	100
	653	36	65336	0.118	23.70	0.39	-	100
	653	49	65349	0.096	19.40	0.74	-	100
	653	51	65351	0.056	11.20	0.95	-	100
	653	54	65354	0.225	45.40	0.86	25.00 *	40
000D03	653	10	65310	0.004	1.20	1.01	-	100
	653	49	65349	0.227	67.00	0.74	-	100
	653	54	65354	0.108	31.90	0.86	25.00 *	30
000D04	653	10	65310	0.105	53.00	1.01	-	100
	653	21	65321	0.045	23.00	0.70	-	100
	653	37	65337	0.018	9.00	0.79	-	100
	653	49	65349	0.030	15.10	0.74	-	100
000D05	653	10	65310	0.144	7.50	1.01	-	100
	653	14	65314	0.220	11.40	0.27	-	100
	653	21	65321	0.526	27.30	0.70	-	100
	653	37	65337	0.938	48.70	0.79	-	100
	653	49	65349	0.099	5.10	0.74	-	100
000D06	653	6	6536	0.061	5.00	1.17	-	100
	653	10	65310	0.581	47.80	1.01	-	100
	653	21	65321	0.161	13.30	0.70	-	100
	653	37	65337	0.249	20.50	0.79	-	100
	653	49	65349	0.137	11.20	0.74	-	100
	653	54	65354	0.026	2.20	0.86	-	100
000D07	653	6	6536	0.013	1.20	1.17	-	100
	653	14	65314	0.118	11.20	0.27	-	100
	653	21	65321	0.853	81.30	0.70	-	100
	653	54	65354	0.066	6.30	0.86	-	100
000D08	653	21	65321	0.239	85.50	0.70	-	100
	653	37	65337	0.041	14.50	0.79	-	100
000D09	653	10	65310	0.071	13.10	1.01	-	100
	653	14	65314	0.176	32.30	0.27	-	100
	653	21	65321	0.106	19.50	0.70	-	100
	653	54	65354	0.191	35.10	0.86	25.00 *	30
000D10	653	14	65314	0.426	50.60	0.27	-	100
	653	20	65320	0.025	2.90	0.67	-	100
	653	21	65321	0.390	46.40	0.70	-	100
000D11	653	14	65314	0.145	36.70	0.27	-	100
	653	21	65321	0.250	63.30	0.70	-	100
000D12	653	14	65314	0.003	2.00	0.27	-	100
	653	21	65321	0.126	98.00	0.70	-	100
000D13	653	14	65314	0.469	83.90	0.27	-	100
	653	21	65321	0.090	16.10	0.70	-	100
000D15	653	14	65314	0.532	81.50	0.27	-	100
	653	20	65320	0.023	3.50	0.67	-	100
	653	21	65321	0.098	15.10	0.70	-	100
000D17	653	14	65314	0.200	25.70	0.27	-	100
	653	20	65320	0.398	51.20	0.67	-	100
	653	21	65321	0.180	23.20	0.70	-	100
000D18	653	20	65320	0.432	100.00	0.67	-	100
000D19	653	20	65320	0.247	100.00	0.67	-	100
000D20	653	20	65320	0.110	100.00	0.67	-	100
000D21	653	20	65320	0.077	100.00	0.67	-	100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)	Effective Rock (%)
Major Basin ID: D								
000D22	653	10	65310	0.255	3.30	1.01	-	100
	653	14	65314	4.167	54.00	0.27	-	100
	653	20	65320	2.952	38.20	0.67	-	100
	653	21	65321	0.049	0.60	0.70	-	100
	653	48	65348	0.009	0.10	0.27	-	100
	653	54	65354	0.288	3.70	0.86	25.00 *	15
	651	AL	6512042	0.000	0.00	0.40	-	100
	651	Cp	6512451	0.000	0.00	0.40	-	100
	651	Es	6512857	0.001	0.00	0.25	-	100
	651	GgA	651323320	0.001	0.00	0.25	-	100
000D23	653	10	65310	0.021	3.00	1.01	-	100
	653	14	65314	0.412	58.10	0.27	-	100
	653	20	65320	0.259	36.50	0.67	-	100
	653	48	65348	0.006	0.90	0.27	-	100
	653	54	65354	0.011	1.50	0.86	-	100
000D24	653	14	65314	0.124	28.70	0.27	-	100
	653	20	65320	0.286	66.40	0.67	-	100
	653	48	65348	0.022	5.00	0.27	-	100
000D25	653	10	65310	0.009	0.60	1.01	-	100
	653	20	65320	1.152	86.30	0.67	-	100
	653	48	65348	0.168	12.60	0.27	-	100
	653	54	65354	0.007	0.50	0.86	-	100
000D26	653	20	65320	0.395	25.60	0.67	-	100
	653	47	65347	0.022	1.40	0.06	-	100
	653	48	65348	1.105	71.50	0.27	-	100
	651	Ve	6516229	0.024	1.50	0.25	-	100
000D27	653	24	65324	0.002	0.70	0.04	-	100
	653	47	65347	0.015	5.60	0.06	-	100
	653	48	65348	0.024	9.10	0.27	-	100
	651	Gr	6513255	0.049	18.90	0.23	-	100
	651	Ve	6516229	0.171	65.70	0.25	-	100
000D28	653	20	65320	0.139	7.70	0.67	-	100
	653	47	65347	0.015	0.80	0.06	-	100
	653	48	65348	1.214	67.20	0.27	-	100
	651	CV	6512462	0.040	2.20	0.39	-	100
	651	Gr	6513255	0.005	0.30	0.23	-	100
	651	MV	6514462	0.101	5.60	0.15	-	100
	651	Ve	6516229	0.294	16.30	0.25	-	100
000D29	653	10	65310	0.318	9.40	1.01	-	100
	653	20	65320	2.029	59.80	0.67	-	100
	653	48	65348	0.255	7.50	0.27	-	100
	653	54	65354	0.376	11.10	0.86	-	100
	651	CV	6512462	0.384	11.30	0.39	-	100
	651	Gr	6513255	0.014	0.40	0.23	-	100
	651	Ve	6516229	0.020	0.60	0.25	-	100
000D30	653	20	65320	0.080	18.80	0.67	-	100
	651	AL	6512042	0.000	0.00	0.40	-	100
	651	CV	6512462	0.339	79.50	0.39	-	100
	651	Gr	6513255	0.007	1.70	0.23	-	100
000D31	653	20	65320	0.188	28.00	0.67	-	100
	653	21	65321	0.085	12.70	0.70	-	100
	651	AL	6512042	0.153	22.80	0.40	-	100
	651	CV	6512462	0.222	33.20	0.39	-	100
	651	GM	6513244	0.017	2.50	0.29	-	100
	651	Gr	6513255	0.005	0.80	0.23	-	100
000D32	653	21	65321	0.002	0.40	0.70	-	100
	651	AL	6512042	0.148	29.60	0.40	-	100
	651	AM	6512044	0.065	13.00	0.39	-	100
	651	CV	6512462	0.201	40.10	0.39	-	100
	651	GM	6513244	0.049	9.80	0.29	-	100
	651	PRB	651505422	0.036	7.10	0.28	-	100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)	Effective Rock (%)
Major Basin ID: D								
000D33	653	21	65321	0.002	0.30	0.70	-	100
	651	AL	6512042	0.025	3.80	0.40	-	100
	651	CV	6512462	0.397	61.10	0.39	-	100
	651	Es	6512857	0.031	4.80	0.25	-	100
	651	GM	6513244	0.029	4.40	0.29	-	100
	651	GgA	651323320	0.010	1.60	0.25	-	100
	651	PRB	651505422	0.156	24.10	0.28	-	100
000D34	651	Ae	6512029	0.066	5.50	0.39	-	100
	651	Cp	6512451	0.303	25.20	0.40	-	100
	651	Cs	6512457	0.189	15.70	0.19	-	100
	651	CV	6512462	0.002	0.10	0.39	-	100
	651	Es	6512857	0.315	26.20	0.25	-	100
	651	Mp	6514451	0.019	1.60	0.25	-	100
	651	Va	6516221	0.132	11.00	0.39	-	100
	651	CrB	651245522	0.005	0.40	0.40	-	100
	651	GgA	651323320	0.062	5.10	0.25	-	100
	651	LcA	651422520	0.110	9.20	0.25	-	100
000D35	653	14	65314	0.150	12.20	0.27	-	100
	653	20	65320	0.563	45.60	0.67	-	100
	653	48	65348	0.059	4.80	0.27	-	100
	653	66	65366	0.003	0.20	0.40	-	100
	651	Cp	6512451	0.001	0.10	0.40	-	100
	651	Es	6512857	0.217	17.50	0.25	-	100
	651	Ge	6513229	0.113	9.10	0.26	-	100
	651	Ma	6514421	0.015	1.20	0.40	-	100
	651	Mp	6514451	0.020	1.60	0.25	-	100
	651	GgA	651323320	0.022	1.80	0.25	-	100
	651	LcA	651422520	0.073	5.90	0.25	-	100
000D36	651	Cp	6512451	0.044	17.80	0.40	-	100
	651	Es	6512857	0.080	32.00	0.25	-	100
	651	Mp	6514451	0.022	9.00	0.25	-	100
	651	LcA	651422520	0.102	41.20	0.25	-	100
000D37	651	Cp	6512451	0.124	44.20	0.40	-	100
	651	Es	6512857	0.074	26.50	0.25	-	100
	651	Mp	6514451	0.000	0.00	0.25	-	100
	651	LcA	651422520	0.082	29.20	0.25	-	100
000D38	651	Cp	6512451	0.110	30.00	0.40	-	100
	651	Cs	6512457	0.003	0.80	0.19	-	100
	651	Es	6512857	0.095	26.10	0.25	-	100
	651	GgA	651323320	0.060	16.30	0.25	-	100
	651	LcA	651422520	0.098	26.70	0.25	-	100
000D39	651	Cs	6512457	0.036	12.40	0.19	-	100
	651	Es	6512857	0.116	39.90	0.25	-	100
	651	TD	6515826	0.004	1.40	1.20	-	100
	651	AbA	651202320	0.019	6.60	0.38	-	100
	651	GgA	651323320	0.009	3.00	0.25	-	100
	651	LcA	651422520	0.107	36.70	0.25	-	100
000D40	651	Ae	6512029	0.010	4.40	0.39	-	100
	651	Cp	6512451	0.001	0.50	0.40	-	100
	651	Cs	6512457	0.024	10.40	0.19	-	100
	651	Es	6512857	0.022	9.60	0.25	-	100
	651	TD	6515826	0.009	4.10	1.20	-	100
	651	AbA	651202320	0.058	24.90	0.38	-	100
	651	GgA	651323320	0.027	11.50	0.25	-	100
	651	LcA	651422520	0.080	34.50	0.25	-	100
000D41	651	Cp	6512451	0.115	39.20	0.40	-	100
	651	Cs	6512457	0.061	20.80	0.19	-	100
	651	Es	6512857	0.007	2.50	0.25	-	100
	651	TD	6515826	0.001	0.20	1.20	-	100
	651	Va	6516221	0.059	19.90	0.39	-	100
	651	AbA	651202320	0.012	4.00	0.38	-	100
	651	GgA	651323320	0.018	6.10	0.25	-	100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)	Effective Rock (%)
Major Basin ID: D								
000D41	651	LcA	651422520	0.022	7.30	0.25	-	100
000D42	651	Ae	6512029	0.051	24.50	0.39	-	100
	651	Cp	6512451	0.124	59.50	0.40	-	100
	651	TD	6515826	0.005	2.20	1.20	-	100
	651	CrB	651245522	0.012	5.80	0.40	-	100
	651	GgA	651323320	0.017	8.00	0.25	-	100
000D43	651	Cp	6512451	0.040	26.40	0.40	-	100
	651	CV	6512462	0.087	57.40	0.39	-	100
	651	Es	6512857	0.000	0.10	0.25	-	100
	651	GM	6513244	0.016	10.80	0.29	-	100
	651	GgA	651323320	0.008	5.40	0.25	-	100
000D44	651	CV	6512462	0.240	72.40	0.39	-	100
	651	Es	6512857	0.033	9.90	0.25	-	100
	651	GM	6513244	0.059	17.60	0.29	-	100
000D45	651	CV	6512462	0.150	57.30	0.39	-	100
	651	Es	6512857	0.002	0.60	0.25	-	100
	651	GM	6513244	0.025	9.40	0.29	-	100
	651	PRB	651505422	0.086	32.70	0.28	-	100
000D46	653	14	65314	0.055	100.00	0.27	-	100
000D47	653	14	65314	0.007	16.20	0.27	-	100
	653	20	65320	0.034	83.80	0.67	-	100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)	Effective Rock (%)
Major Basin ID: E								
E01	653	6	6536	0.003	0.10	1.17	-	100
	653	36	65336	0.031	0.70	0.39	-	100
	653	49	65349	0.266	5.90	0.74	-	100
	653	51	65351	0.980	21.60	0.95	-	100
	653	54	65354	1.304	28.70	0.86	25.00 *	75
	653	58	65358	1.958	43.10	0.35	20.00 *	50
E02	653	6	6536	0.382	6.00	1.17	-	100
	653	10	65310	0.534	8.40	1.01	-	100
	653	21	65321	0.144	2.30	0.70	-	100
	653	22	65322	0.637	10.00	0.81	-	100
	653	49	65349	0.837	13.10	0.74	-	100
	653	51	65351	0.144	2.30	0.95	-	100
	653	54	65354	3.687	57.90	0.86	25.00 *	75
E03	653	6	6536	0.087	4.30	1.17	-	100
	653	14	65314	0.081	4.00	0.27	-	100
	653	21	65321	0.596	29.40	0.70	-	100
	653	51	65351	0.536	26.50	0.95	-	100
	653	54	65354	0.726	35.80	0.86	25.00 *	60
E04	653	22	65322	0.423	23.90	0.81	-	100
	653	37	65337	0.023	1.30	0.79	-	100
	653	49	65349	0.287	16.20	0.74	-	100
	653	51	65351	0.030	1.70	0.95	-	100
	653	54	65354	1.008	56.90	0.86	25.00 *	80
E05	653	6	6536	0.239	5.70	1.17	-	100
	653	20	65320	0.062	1.50	0.67	-	100
	653	22	65322	1.265	30.30	0.81	-	100
	653	37	65337	0.836	20.00	0.79	-	100
	653	48	65348	0.856	20.50	0.27	-	100
	653	51	65351	0.187	4.50	0.95	-	100
	653	54	65354	0.733	17.60	0.86	-	100
E06	653	22	65322	0.416	39.40	0.81	-	100
	653	48	65348	0.002	0.20	0.27	-	100
	653	51	65351	0.071	6.70	0.95	-	100
	653	54	65354	0.567	53.70	0.86	25.00 *	80
E07	653	21	65321	0.015	1.40	0.70	-	100
	653	22	65322	0.318	29.70	0.81	-	100
	653	51	65351	0.182	17.00	0.95	-	100
	653	54	65354	0.555	51.90	0.86	-	100
E08	653	21	65321	0.182	19.00	0.70	-	100
	653	22	65322	0.407	42.50	0.81	-	100
	653	48	65348	0.202	21.00	0.27	-	100
	653	54	65354	0.168	17.60	0.86	-	100
E09	653	22	65322	0.237	78.20	0.81	-	100
	653	48	65348	0.001	0.40	0.27	-	100
	653	54	65354	0.065	21.40	0.86	-	100
E10	653	22	65322	0.059	60.10	0.81	-	100
	653	48	65348	0.039	39.90	0.27	-	100
E11	653	6	6536	0.001	0.00	1.17	-	100
	653	22	65322	1.219	53.80	0.81	-	100
	653	48	65348	0.296	13.10	0.27	-	100
	653	51	65351	0.227	10.00	0.95	-	100
	653	54	65354	0.523	23.10	0.86	-	100
E12	653	20	65320	0.107	10.20	0.67	-	100
	653	22	65322	0.224	21.40	0.81	-	100
	653	48	65348	0.551	52.60	0.27	-	100
	653	51	65351	0.061	5.90	0.95	-	100
	653	54	65354	0.105	10.00	0.86	-	100
E13	653	20	65320	0.023	1.50	0.67	-	100
	653	22	65322	0.503	32.80	0.81	-	100
	653	48	65348	0.991	64.70	0.27	-	100
	653	54	65354	0.015	1.00	0.86	-	100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)	Effective Rock (%)
Major Basin ID: E								
E14	653	21	65321	0.339	41.60	0.70	-	100
	653	22	65322	0.182	22.30	0.81	-	100
	653	48	65348	0.004	0.50	0.27	-	100
	653	54	65354	0.291	35.60	0.86	-	100
E15	653	21	65321	0.449	48.60	0.70	-	100
	653	22	65322	0.242	26.20	0.81	-	100
	653	48	65348	0.199	21.50	0.27	-	100
	653	54	65354	0.034	3.60	0.86	-	100
E16	653	14	65314	0.129	16.40	0.27	-	100
	653	20	65320	0.026	3.30	0.67	-	100
	653	21	65321	0.621	79.10	0.70	-	100
	653	54	65354	0.009	1.10	0.86	-	100
E17	653	14	65314	0.026	1.80	0.27	-	100
	653	20	65320	1.052	71.20	0.67	-	100
	653	21	65321	0.343	23.20	0.70	-	100
	653	54	65354	0.057	3.90	0.86	-	100
E18	653	14	65314	0.094	12.90	0.27	-	100
	653	20	65320	0.636	87.10	0.67	-	100
E19	653	14	65314	0.181	38.90	0.27	-	100
	653	20	65320	0.284	61.10	0.67	-	100
E20	653	14	65314	0.125	24.60	0.27	-	100
	653	20	65320	0.025	4.90	0.67	-	100
	653	21	65321	0.127	25.00	0.70	-	100
	653	48	65348	0.232	45.60	0.27	-	100
E21	653	14	65314	0.028	8.00	0.27	-	100
	653	20	65320	0.013	3.80	0.67	-	100
	653	21	65321	0.308	88.20	0.70	-	100
E22	653	14	65314	0.010	0.90	0.27	-	100
	653	20	65320	0.215	19.50	0.67	-	100
	653	21	65321	0.243	22.10	0.70	-	100
	653	48	65348	0.636	57.60	0.27	-	100
E23	653	48	65348	0.325	100.00	0.27	-	100
E24	653	20	65320	0.053	20.30	0.67	-	100
	653	48	65348	0.208	79.70	0.27	-	100
E25	653	20	65320	0.567	34.60	0.67	-	100
	653	48	65348	1.072	65.40	0.27	-	100
E26	653	48	65348	0.253	100.00	0.27	-	100
E27	653	48	65348	0.128	100.00	0.27	-	100
E28	653	14	65314	0.180	88.50	0.27	-	100
	653	48	65348	0.024	11.50	0.27	-	100
E29	653	14	65314	0.162	28.90	0.27	-	100
	653	48	65348	0.399	71.10	0.27	-	100
E30	653	14	65314	0.091	14.20	0.27	-	100
	653	20	65320	0.109	17.10	0.67	-	100
	653	48	65348	0.438	68.60	0.27	-	100
E31	653	14	65314	0.220	57.80	0.27	-	100
	653	20	65320	0.125	32.90	0.67	-	100
	653	48	65348	0.035	9.20	0.27	-	100
E32	653	14	65314	0.077	27.20	0.27	-	100
	653	20	65320	0.207	72.80	0.67	-	100
E33	653	20	65320	0.049	100.00	0.67	-	100
E34	653	48	65348	0.268	100.00	0.27	-	100
E35	653	48	65348	0.366	100.00	0.27	-	100
E36	653	20	65320	0.063	38.40	0.67	-	100
	653	48	65348	0.100	61.60	0.27	-	100
E37	653	20	65320	0.002	1.20	0.67	-	100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)	Effective Rock (%)
Major Basin ID: E								
E37	653	48	65348	0.180	98.80	0.27	-	100
E38	653	20	65320	0.125	26.10	0.67	-	100
	653	48	65348	0.354	73.90	0.27	-	100
E41	653	20	65320	0.049	7.20	0.67	-	100
	653	24	65324	0.037	5.60	0.04	-	100
	653	48	65348	0.571	85.20	0.27	-	100
	651	Gr	6513255	0.014	2.00	0.23	-	100
E42	653	14	65314	0.227	24.50	0.27	-	100
	653	20	65320	0.444	47.90	0.67	-	100
	653	48	65348	0.255	27.60	0.27	-	100
E43	653	20	65320	0.175	24.60	0.67	-	100
	653	48	65348	0.538	75.40	0.27	-	100
E44	653	20	65320	0.276	43.80	0.67	-	100
	653	48	65348	0.353	56.20	0.27	-	100
E45	653	20	65320	0.018	5.60	0.67	-	100
	653	48	65348	0.302	94.40	0.27	-	100
E46	653	20	65320	0.027	11.40	0.67	-	100
	653	48	65348	0.211	88.60	0.27	-	100
E47	653	48	65348	0.493	100.00	0.27	-	100
E48	653	20	65320	0.025	2.90	0.67	-	100
	653	48	65348	0.836	97.10	0.27	-	100
E49	653	20	65320	0.173	77.20	0.67	-	100
	653	48	65348	0.051	22.80	0.27	-	100
E50	653	20	65320	0.031	4.40	0.67	-	100
	653	48	65348	0.668	95.60	0.27	-	100
E51	653	20	65320	0.012	0.90	0.67	-	100
	653	24	65324	0.001	0.10	0.04	-	100
	653	48	65348	1.241	99.00	0.27	-	100
E52	653	20	65320	0.002	1.00	0.67	-	100
	653	48	65348	0.162	99.00	0.27	-	100
E53	653	14	65314	0.001	1.20	0.27	-	100
	653	20	65320	0.108	98.80	0.67	-	100
E54	653	20	65320	0.014	11.80	0.67	-	100
	653	48	65348	0.107	88.20	0.27	-	100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)	Effective Rock (%)
Major Basin ID: F								
F01	653	5	6535	0.034	1.90	0.79	-	100
	653	22	65322	1.659	93.30	0.81	-	100
	653	54	65354	0.085	4.80	0.86	-	100
F01A	653	22	65322	0.206	50.40	0.81	-	100
	653	54	65354	0.203	49.60	0.86	25.00 *	40
F02	653	22	65322	0.345	89.20	0.81	-	100
	653	49	65349	0.007	1.70	0.74	-	100
	653	54	65354	0.035	9.00	0.86	-	100
F02A	653	22	65322	0.037	5.80	0.81	-	100
	653	49	65349	0.187	29.40	0.74	-	100
	653	54	65354	0.412	64.70	0.86	25.00 *	60
F03	653	22	65322	0.602	37.00	0.81	-	100
	653	37	65337	0.346	21.30	0.79	-	100
	653	49	65349	0.256	15.70	0.74	-	100
	653	54	65354	0.424	26.00	0.86	25.00 *	30
F04	653	5	6535	0.175	7.90	0.79	-	100
	653	22	65322	1.993	90.70	0.81	-	100
	653	54	65354	0.031	1.40	0.86	-	100
F05	653	5	6535	0.839	28.30	0.79	-	100
	653	14	65314	0.115	3.90	0.27	-	100
	653	22	65322	1.339	45.10	0.81	-	100
	653	48	65348	0.433	14.60	0.27	-	100
	653	54	65354	0.242	8.20	0.86	-	100
F06	653	22	65322	0.706	70.50	0.81	-	100
	653	54	65354	0.295	29.50	0.86	25.00 *	20
F07	653	5	6535	0.320	8.70	0.79	-	100
	653	22	65322	0.822	22.40	0.81	-	100
	653	48	65348	0.548	14.90	0.27	-	100
	653	51	65351	0.682	18.50	0.95	-	100
	653	54	65354	1.306	35.50	0.86	25.00 *	30
F08	653	5	6535	0.361	41.20	0.79	-	100
	653	14	65314	0.034	3.90	0.27	-	100
	653	48	65348	0.482	54.90	0.27	-	100
F09	653	5	6535	0.387	14.40	0.79	-	100
	653	14	65314	0.090	3.30	0.27	-	100
	653	20	65320	0.185	6.90	0.67	-	100
	653	22	65322	0.706	26.20	0.81	-	100
	653	32	65332	0.127	4.70	0.32	-	100
	653	48	65348	0.854	31.70	0.27	-	100
	653	51	65351	0.075	2.80	0.95	-	100
	653	54	65354	0.267	9.90	0.86	-	100
F10	653	20	65320	0.120	5.30	0.67	-	100
	653	22	65322	0.657	29.20	0.81	-	100
	653	32	65332	0.020	0.90	0.32	-	100
	653	48	65348	0.372	16.60	0.27	-	100
	653	51	65351	0.505	22.50	0.95	-	100
	653	54	65354	0.574	25.50	0.86	25.00 *	20
F11	653	20	65320	0.001	0.10	0.67	-	100
	653	22	65322	0.507	34.10	0.81	-	100
	653	48	65348	0.144	9.70	0.27	-	100
	653	51	65351	0.383	25.80	0.95	-	100
	653	54	65354	0.450	30.30	0.86	-	100
F12	653	22	65322	0.153	48.90	0.81	-	100
	653	48	65348	0.035	11.00	0.27	-	100
	653	51	65351	0.075	24.00	0.95	-	100
	653	54	65354	0.050	16.10	0.86	-	100
F13	653	22	65322	0.128	49.00	0.81	-	100
	653	48	65348	0.020	7.60	0.27	-	100
	653	51	65351	0.071	27.40	0.95	-	100
	653	54	65354	0.042	16.00	0.86	-	100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)	Effective Rock (%)
Major Basin ID: F								
F14	653	20	65320	0.026	6.60	0.67	-	100
	653	22	65322	0.172	44.30	0.81	-	100
	653	48	65348	0.048	12.40	0.27	-	100
	653	51	65351	0.075	19.30	0.95	-	100
	653	54	65354	0.067	17.30	0.86	-	100
F15	653	20	65320	0.123	15.70	0.67	-	100
	653	22	65322	0.016	2.00	0.81	-	100
	653	48	65348	0.646	82.30	0.27	-	100
F16	653	20	65320	0.005	4.30	0.67	-	100
	653	48	65348	0.106	95.70	0.27	-	100
F17	653	22	65322	0.394	33.90	0.81	-	100
	653	32	65332	0.064	5.50	0.32	-	100
	653	48	65348	0.296	25.60	0.27	-	100
	653	51	65351	0.105	9.10	0.95	-	100
	653	54	65354	0.301	25.90	0.86	-	100
F18	653	32	65332	0.171	56.40	0.32	-	100
	653	48	65348	0.132	43.60	0.27	-	100
F19	653	32	65332	0.337	39.70	0.32	-	100
	653	48	65348	0.512	60.30	0.27	-	100
F20	653	32	65332	0.352	44.20	0.32	-	100
	653	48	65348	0.445	55.80	0.27	-	100
F21	653	32	65332	0.123	23.10	0.32	-	100
	653	48	65348	0.410	76.90	0.27	-	100
F22	653	32	65332	0.084	23.00	0.32	-	100
	653	48	65348	0.282	77.00	0.27	-	100
F23	653	32	65332	0.484	72.20	0.32	-	100
	653	48	65348	0.186	27.80	0.27	-	100
F24	653	32	65332	0.216	27.00	0.32	-	100
	653	48	65348	0.583	73.00	0.27	-	100
F25	653	20	65320	0.487	16.30	0.67	-	100
	653	22	65322	0.013	0.40	0.81	-	100
	653	32	65332	0.067	2.20	0.32	-	100
	653	48	65348	2.427	81.10	0.27	-	100
F26	653	48	65348	0.496	100.00	0.27	-	100
F27	653	32	65332	0.107	15.90	0.32	-	100
	653	48	65348	0.564	84.10	0.27	-	100
F28	653	32	65332	0.247	52.20	0.32	-	100
	653	48	65348	0.227	47.80	0.27	-	100
F29	653	32	65332	0.196	33.00	0.32	-	100
	653	48	65348	0.398	67.00	0.27	-	100
F31	653	32	65332	0.030	10.80	0.32	-	100
	653	48	65348	0.243	89.20	0.27	-	100
F32	653	48	65348	0.287	100.00	0.27	-	100
F33	653	32	65332	0.066	13.50	0.32	-	100
	653	48	65348	0.426	86.50	0.27	-	100
F34	653	32	65332	0.026	4.40	0.32	-	100
	653	48	65348	0.571	95.60	0.27	-	100
F35	653	48	65348	0.666	100.00	0.27	-	100
F36	653	32	65332	0.119	71.40	0.32	-	100
	653	48	65348	0.048	28.60	0.27	-	100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)		Effective Rock (%)
Major Basin ID: G									
G01	651	AL	6512042	0.956	60.30	0.40	-		100
	651	CV	6512462	0.369	23.30	0.39	-		100
	651	TB	6515822	0.045	2.90	0.40	-		100
	651	AGB	651203222	0.214	13.50	0.40	-		100
G02	651	AL	6512042	0.488	23.70	0.40	-		100
	651	RS	6515456	1.012	49.10	0.40	65.00		20
	651	TB	6515822	0.345	16.80	0.40	-		100
	651	AGB	651203222	0.216	10.50	0.40	-		100
G03	658	27	65827	0.066	2.70	1.14	-		100
	651	AL	6512042	0.295	12.00	0.40	-		100
	651	RS	6515456	1.401	57.00	0.40	65.00		30
	651	TB	6515822	0.482	19.60	0.40	-		100
	651	AGB	651203222	0.216	8.80	0.40	-		100
G04	658	27	65827	0.181	7.70	1.14	-		100
	651	AL	6512042	0.169	7.20	0.40	-		100
	651	RS	6515456	0.813	34.70	0.40	65.00		20
	651	TB	6515822	0.621	26.50	0.40	-		100
	651	AGB	651203222	0.560	23.90	0.40	-		100
G05	658	5	6585	0.025	1.60	1.14	-		100
	658	24	65824	0.058	3.60	1.08	-		100
	658	27	65827	1.479	93.20	1.14	-		100
	651	RS	6515456	0.020	1.20	0.40	-	*	100
	651	TB	6515822	0.002	0.10	0.40	-		100
	651	AGB	651203222	0.003	0.20	0.40	-		100
G06	658	11	65811	0.008	0.40	0.23	-		100
	658	27	65827	0.346	16.10	1.14	-		100
	651	AL	6512042	0.293	13.60	0.40	-		100
	651	RS	6515456	0.512	23.70	0.40	65.00		20
	651	TB	6515822	0.509	23.60	0.40	-		100
	651	AGB	651203222	0.314	14.60	0.40	-		100
	651	EPD	651285026	0.174	8.10	0.12	-		100
G07	651	AL	6512042	0.259	19.00	0.40	-		100
	651	RS	6515456	0.504	37.10	0.40	65.00		35
	651	TB	6515822	0.188	13.80	0.40	-		100
	651	AGB	651203222	0.261	19.20	0.40	-		100
	651	EPD	651285026	0.091	6.70	0.12	-		100
	651	GWD	651326426	0.000	0.00	0.35	-		100
	651	GYD	651326826	0.004	0.30	0.26	-		100
	651	PRB	651505422	0.051	3.70	0.28	-		100
G08	651	AL	6512042	0.333	83.00	0.40	-		100
	651	AGB	651203222	0.068	17.00	0.40	-		100
G09	651	AL	6512042	0.557	79.20	0.40	-		100
	651	CV	6512462	0.146	20.80	0.39	-		100
G10	651	AL	6512042	0.346	79.00	0.40	-		100
	651	CV	6512462	0.092	21.00	0.39	-		100
G11	651	AL	6512042	0.346	57.20	0.40	-		100
	651	AM	6512044	0.134	22.10	0.39	-		100
	651	CV	6512462	0.126	20.80	0.39	-		100
G12	651	AL	6512042	0.409	39.60	0.40	-		100
	651	AM	6512044	0.116	11.20	0.39	-		100
	651	CV	6512462	0.507	49.20	0.39	-		100
G13	651	AL	6512042	0.498	100.00	0.40	-		100
G14	651	AL	6512042	0.136	100.00	0.40	-		100
G16	653	20	65320	0.050	3.60	0.67	-		100
	653	22	65322	0.418	29.80	0.81	-		100
	653	48	65348	0.029	2.10	0.27	-		100
	653	49	65349	0.029	2.10	0.74	-		100
	653	51	65351	0.000	0.00	0.95	-		100
	651	AL	6512042	0.151	10.80	0.40	-		100
	651	AM	6512044	0.244	17.40	0.39	-		100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)		Effective Rock (%)
Major Basin ID: G									
G16	651	CV	6512462	0.136	9.70	0.39	-		100
	651	Es	6512857	0.001	0.10	0.25	-		100
	651	RS	6515456	0.154	11.00	0.40	-	*	100
	651	TB	6515822	0.077	5.50	0.40	-		100
	651	AGB	651203222	0.113	8.00	0.40	-		100
G17	653	22	65322	0.372	61.80	0.81	-		100
	653	48	65348	0.222	36.90	0.27	-		100
	653	24	65324	0.008	1.30	0.04	-		100
G18	653	22	65322	0.056	17.30	0.81	-		100
	653	49	65349	0.051	15.90	0.74	-		100
	653	51	65351	0.013	4.10	0.95	-		100
	653	54	65354	0.023	7.20	0.86	-		100
	651	RS	6515456	0.145	44.90	0.40	65.00		30
	651	TB	6515822	0.033	10.20	0.40	-		100
	651	AGB	651203222	0.001	0.40	0.40	-		100
G19	653	36	65336	0.013	1.90	0.39	-		100
	653	37	65337	0.007	1.00	0.79	-		100
	653	49	65349	0.017	2.60	0.74	-		100
	653	51	65351	0.159	23.70	0.95	-		100
	653	54	65354	0.352	52.50	0.86	-		100
	651	RS	6515456	0.122	18.20	0.40	65.00		90
G20	653	22	65322	0.001	0.20	0.81	-		100
	653	36	65336	0.111	46.90	0.39	-		100
	653	37	65337	0.035	14.60	0.79	-		100
	653	54	65354	0.090	38.30	0.86	-		100
G21	653	22	65322	1.000	51.10	0.81	-		100
	653	32	65332	0.001	0.00	0.32	-		100
	653	36	65336	0.202	10.30	0.39	-		100
	653	37	65337	0.207	10.60	0.79	-		100
	653	48	65348	0.154	7.90	0.27	-		100
	653	54	65354	0.392	20.00	0.86	-		100
G22	653	22	65322	0.761	67.70	0.81	-		100
	653	36	65336	0.066	5.80	0.39	-		100
	653	37	65337	0.173	15.40	0.79	-		100
	653	48	65348	0.098	8.70	0.27	-		100
	653	49	65349	0.027	2.40	0.74	-		100
	653	54	65354	0.000	0.00	0.86	-		100
G23	653	22	65322	0.815	68.10	0.81	-		100
	653	48	65348	0.045	3.80	0.27	-		100
	653	49	65349	0.272	22.70	0.74	-		100
	653	51	65351	0.066	5.50	0.95	-		100
G24	653	22	65322	0.297	84.90	0.81	-		100
	653	48	65348	0.014	4.00	0.27	-		100
	653	49	65349	0.025	7.00	0.74	-		100
	653	51	65351	0.014	4.00	0.95	-		100
G25	653	22	65322	0.185	51.60	0.81	-		100
	653	48	65348	0.005	1.40	0.27	-		100
	653	49	65349	0.085	23.60	0.74	-		100
	653	51	65351	0.084	23.40	0.95	-		100
G26A	653	22	65322	0.674	67.50	0.81	-		100
	653	48	65348	0.028	2.80	0.27	-		100
	653	49	65349	0.137	13.70	0.74	-		100
	653	51	65351	0.077	7.80	0.95	-		100
	653	54	65354	0.082	8.20	0.86	-		100
G26B	653	51	65351	0.070	41.50	0.95	-		100
	653	54	65354	0.089	52.40	0.86	-		100
	651	RS	6515456	0.010	6.10	0.40	65.00		50
G27	653	22	65322	0.956	67.90	0.81	-		100
	653	48	65348	0.168	11.90	0.27	-		100
	653	49	65349	0.165	11.70	0.74	-		100
	653	51	65351	0.034	2.40	0.95	-		100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)		Effective Rock (%)
Major Basin ID: G									
G27	653	54	65354	0.081	5.80	0.86	-		100
	651	RS	6515456	0.001	0.10	0.40	-	*	100
	651	TB	6515822	0.004	0.30	0.40	-		100
G28	653	22	65322	0.153	54.30	0.81	-		100
	653	48	65348	0.129	45.70	0.27	-		100
G29	653	24	65324	0.000	0.00	0.04	-		100
	651	AL	6512042	0.328	11.70	0.40	-		100
	651	AM	6512044	1.230	43.70	0.39	-		100
	651	Es	6512857	0.120	4.30	0.25	-		100
	651	Gr	6513255	0.123	4.40	0.23	-		100
	651	RS	6515456	0.357	12.70	0.40	-	*	100
	651	TB	6515822	0.432	15.30	0.40	-		100
	651	AGB	651203222	0.222	7.90	0.40	-		100
G30	651	AL	6512042	1.043	28.20	0.40	-		100
	651	AM	6512044	1.345	36.30	0.39	-		100
	651	Es	6512857	0.069	1.90	0.25	-		100
	651	Gr	6513255	0.067	1.80	0.23	-		100
	651	RS	6515456	0.567	15.30	0.40	-	*	100
	651	TB	6515822	0.283	7.60	0.40	-		100
	651	AGB	651203222	0.191	5.20	0.40	-		100
	651	GWD	651326426	0.067	1.80	0.35	-		100
	651	TPB	651585022	0.072	2.00	0.12	-		100
G31	651	AL	6512042	0.160	88.00	0.40	-		100
	651	GYD	651326826	0.022	12.00	0.26	-		100
G32	651	AL	6512042	0.460	40.20	0.40	-		100
	651	AM	6512044	0.430	37.70	0.39	-		100
	651	Es	6512857	0.146	12.80	0.25	-		100
	651	GM	6513244	0.000	0.00	0.29	-		100
	651	Gr	6513255	0.106	9.30	0.23	-		100
G33	651	AL	6512042	0.576	77.40	0.40	-		100
	651	AM	6512044	0.129	17.40	0.39	-		100
	651	Es	6512857	0.009	1.20	0.25	-		100
	651	GM	6513244	0.029	4.00	0.29	-		100
	651	Gr	6513255	0.001	0.10	0.23	-		100
G34	651	AL	6512042	0.205	100.00	0.40	-		100
G35	651	AL	6512042	0.201	38.10	0.40	-		100
	651	AM	6512044	0.263	50.00	0.39	-		100
	651	CV	6512462	0.051	9.70	0.39	-		100
	651	GM	6513244	0.012	2.30	0.29	-		100
G36	651	AL	6512042	0.194	19.50	0.40	-		100
	651	AM	6512044	0.704	70.60	0.39	-		100
	651	CV	6512462	0.071	7.20	0.39	-		100
	651	GM	6513244	0.027	2.70	0.29	-		100
G37	651	AL	6512042	0.243	59.60	0.40	-		100
	651	AM	6512044	0.111	27.20	0.39	-		100
	651	CV	6512462	0.020	4.90	0.39	-		100
	651	GM	6513244	0.034	8.40	0.29	-		100
G38	651	AL	6512042	0.056	16.60	0.40	-		100
	651	AM	6512044	0.236	70.20	0.39	-		100
	651	CV	6512462	0.019	5.60	0.39	-		100
	651	GM	6513244	0.025	7.40	0.29	-		100
	651	GgA	651323320	0.001	0.20	0.25	-		100
G39	651	AL	6512042	0.536	70.30	0.40	-		100
	651	AM	6512044	0.103	13.50	0.39	-		100
	651	CV	6512462	0.083	10.80	0.39	-		100
	651	TD	6515826	0.005	0.70	1.20	-		100
	651	AbA	651202320	0.009	1.20	0.38	-		100
	651	GgA	651323320	0.027	3.60	0.25	-		100
G40	651	AL	6512042	0.308	20.20	0.40	-		100
	651	AM	6512044	0.453	29.70	0.39	-		100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)	Effective Rock (%)
Major Basin ID: G								
G40	651	Cp	6512451	0.131	8.60	0.40	-	100
	651	CV	6512462	0.497	32.70	0.39	-	100
	651	TD	6515826	0.016	1.10	1.20	-	100
	651	AbA	651202320	0.072	4.70	0.38	-	100
	651	GgA	651323320	0.045	3.00	0.25	-	100
G41	651	Ae	6512029	0.009	2.20	0.39	-	100
	651	AM	6512044	0.150	35.30	0.39	-	100
	651	Cp	6512451	0.183	43.20	0.40	-	100
	651	CV	6512462	0.000	0.00	0.39	-	100
	651	TD	6515826	0.003	0.70	1.20	-	100
	651	Va	6516221	0.069	16.30	0.39	-	100
	651	GgA	651323320	0.010	2.30	0.25	-	100
G42	651	Ae	6512029	0.011	1.50	0.39	-	100
	651	AL	6512042	0.005	0.70	0.40	-	100
	651	AM	6512044	0.184	26.50	0.39	-	100
	651	Cp	6512451	0.357	51.40	0.40	-	100
	651	CV	6512462	0.020	2.90	0.39	-	100
	651	TD	6515826	0.007	1.00	1.20	-	100
	651	Va	6516221	0.033	4.80	0.39	-	100
	651	AbA	651202320	0.036	5.10	0.38	-	100
	651	GgA	651323320	0.042	6.00	0.25	-	100
G43	651	AL	6512042	0.986	45.40	0.40	-	100
	651	AM	6512044	0.984	45.30	0.39	-	100
	651	Es	6512857	0.100	4.60	0.25	-	100
	651	Gr	6513255	0.099	4.50	0.23	-	100
	651	RS	6515456	0.001	0.00	0.40	- *	100
	651	GWD	651326426	0.001	0.10	0.35	-	100
G44	658	5	6585	0.009	1.20	1.14	-	100
	658	24	65824	0.011	1.60	1.08	-	100
	658	27	65827	0.703	96.50	1.14	-	100
	651	RS	6515456	0.003	0.40	0.40	65.00	100
	651	TB	6515822	0.001	0.10	0.40	-	100
	651	AGB	651203222	0.001	0.20	0.40	-	100
G45	651	AL	6512042	1.292	64.70	0.40	-	100
	651	TB	6515822	0.025	1.20	0.40	-	100
	651	AGB	651203222	0.164	8.20	0.40	-	100
	651	GYD	651326826	0.135	6.70	0.26	-	100
	651	PRB	651505422	0.013	0.60	0.28	-	100
	651	TSC	651585624	0.369	18.50	0.14	-	100
G46	658	5	6585	0.000	0.00	1.14	-	100
	658	27	65827	0.003	0.20	1.14	-	100
	651	AL	6512042	0.859	60.80	0.40	-	100
	651	RS	6515456	0.387	27.40	0.40	65.00	35
	651	TB	6515822	0.009	0.60	0.40	-	100
	651	AGB	651203222	0.155	11.00	0.40	-	100
G47	651	AL	6512042	0.121	100.00	0.40	-	100
G48	651	RS	6515456	1.716	89.90	0.40	65.00	100
	651	TB	6515822	0.192	10.10	0.40	-	100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)	Effective Rock (%)
Major Basin ID: H								
H01	651	AL	6512042	0.339	21.00	0.40	-	100
	651	RS	6515456	0.562	34.80	0.40	65.00	30
	651	TB	6515822	0.526	32.60	0.40	-	100
	651	AGB	651203222	0.187	11.60	0.40	-	100
H02	651	RS	6515456	1.482	93.50	0.40	65.00	90
	651	TB	6515822	0.102	6.50	0.40	-	100
H03	658	27	65827	0.077	3.50	1.14	-	100
	651	RS	6515456	1.754	80.20	0.40	65.00	80
	651	TB	6515822	0.355	16.20	0.40	-	100
H04	658	27	65827	0.393	32.50	1.14	-	100
	651	RS	6515456	0.593	49.20	0.40	65.00	35
	651	TB	6515822	0.220	18.20	0.40	-	100
	651	AGB	651203222	0.001	0.10	0.40	-	100
H05	658	27	65827	0.475	31.50	1.14	-	100
	651	AL	6512042	0.021	1.40	0.40	-	100
	651	RS	6515456	0.761	50.50	0.40	65.00	60
	651	TB	6515822	0.248	16.40	0.40	-	100
	651	PYD	651506826	0.002	0.10	0.20	-	100
H06	658	5	6585	0.061	4.90	1.14	-	100
	658	11	65811	0.158	12.90	0.23	-	100
	658	27	65827	0.943	76.80	1.14	-	100
	651	TB	6515822	0.065	5.30	0.40	-	100
H07	658	11	65811	0.015	2.10	0.23	-	100
	651	AL	6512042	0.621	88.10	0.40	-	100
	651	CV	6512462	0.016	2.30	0.39	-	100
	651	TB	6515822	0.053	7.50	0.40	-	100
H08	658	27	65827	0.257	29.90	1.14	-	100
	651	AL	6512042	0.013	1.50	0.40	-	100
	651	RS	6515456	0.303	35.30	0.40	65.00	30
	651	TB	6515822	0.148	17.30	0.40	-	100
	651	PYD	651506826	0.137	16.00	0.20	-	100
H09	658	27	65827	0.099	8.90	1.14	-	100
	651	RS	6515456	0.877	79.40	0.40	65.00	80
	651	TB	6515822	0.129	11.70	0.40	-	100
H10	651	AL	6512042	0.395	74.70	0.40	-	100
	651	CV	6512462	0.004	0.80	0.39	-	100
	651	RS	6515456	0.022	4.20	0.40	- *	100
	651	TB	6515822	0.107	20.20	0.40	-	100
H11	651	AL	6512042	0.252	92.10	0.40	-	100
	651	TB	6515822	0.022	7.90	0.40	-	100
H12	658	5	6585	0.056	11.60	1.14	-	100
	658	9	6589	0.050	10.20	0.56	-	100
	658	11	65811	0.017	3.40	0.23	-	100
	658	27	65827	0.289	59.70	1.14	-	100
	651	TB	6515822	0.073	15.10	0.40	-	100
H13	658	11	65811	0.001	0.10	0.23	-	100
	651	AL	6512042	0.380	73.20	0.40	-	100
	651	CV	6512462	0.110	21.10	0.39	-	100
	651	TB	6515822	0.029	5.60	0.40	-	100
H14	658	27	65827	0.127	15.30	1.14	-	100
	651	AL	6512042	0.494	59.60	0.40	-	100
	651	CV	6512462	0.003	0.30	0.39	-	100
	651	RS	6515456	0.105	12.70	0.40	65.00	10
	651	TB	6515822	0.100	12.10	0.40	-	100
H15A	658	27	65827	0.023	4.70	1.14	-	100
	651	AL	6512042	0.077	16.10	0.40	-	100
	651	RS	6515456	0.207	43.30	0.40	65.00	30
	651	TB	6515822	0.165	34.50	0.40	-	100
	651	AGB	651203222	0.007	1.40	0.40	-	100
H15B	651	AL	6512042	0.003	1.10	0.40	-	100

* Non default value

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)		Effective Rock (%)
Major Basin ID: H									
H15B	651	RS	6515456	0.173	58.10	0.40	65.00		60
	651	TB	6515822	0.045	15.20	0.40	-		100
	651	AGB	651203222	0.037	12.40	0.40	-		100
	651	PYD	651506826	0.039	13.20	0.20	-		100
H16	658	11	65811	0.034	11.00	0.23	-		100
	658	27	65827	0.206	66.50	1.14	-		100
	651	RS	6515456	0.001	0.40	0.40	-	*	100
	651	TB	6515822	0.068	22.10	0.40	-		100
H17	651	AL	6512042	0.103	22.70	0.40	-		100
	651	TB	6515822	0.334	73.70	0.40	-		100
	651	AGB	651203222	0.016	3.60	0.40	-		100
H18	651	AL	6512042	0.388	88.50	0.40	-		100
	651	CV	6512462	0.028	6.50	0.39	-		100
	651	TB	6515822	0.006	1.30	0.40	-		100
	651	AGB	651203222	0.017	3.80	0.40	-		100
H20	651	AL	6512042	0.338	68.20	0.40	-		100
	651	CV	6512462	0.023	4.70	0.39	-		100
	651	TB	6515822	0.092	18.60	0.40	-		100
	651	AGB	651203222	0.042	8.50	0.40	-		100
H22	651	AL	6512042	0.060	4.10	0.40	-		100
	651	RS	6515456	0.499	34.10	0.40	65.00		30
	651	TB	6515822	0.375	25.60	0.40	-		100
	651	AGB	651203222	0.307	21.00	0.40	-		100
	651	GYD	651326826	0.061	4.20	0.26	-		100
	651	PYD	651506826	0.160	10.90	0.20	-		100
H23	651	AL	6512042	0.261	36.90	0.40	-		100
	651	CV	6512462	0.111	15.70	0.39	-		100
	651	RS	6515456	0.001	0.20	0.40	-	*	100
	651	TB	6515822	0.089	12.60	0.40	-		100
	651	AGB	651203222	0.245	34.70	0.40	-		100
H24	651	AL	6512042	0.410	98.30	0.40	-		100
	651	AGB	651203222	0.007	1.70	0.40	-		100
H25	651	AL	6512042	0.216	68.00	0.40	-		100
	651	AGB	651203222	0.102	32.00	0.40	-		100
H26	651	AL	6512042	0.742	98.50	0.40	-		100
	651	AGB	651203222	0.011	1.50	0.40	-		100
H27	651	AL	6512042	0.249	64.90	0.40	-		100
	651	CV	6512462	0.091	23.80	0.39	-		100
	651	TB	6515822	0.023	6.10	0.40	-		100
	651	AGB	651203222	0.020	5.30	0.40	-		100
H28	651	AL	6512042	0.308	42.80	0.40	-		100
	651	AM	6512044	0.032	4.40	0.39	-		100
	651	CV	6512462	0.379	52.70	0.39	-		100
H29	651	AL	6512042	0.279	26.80	0.40	-		100
	651	AM	6512044	0.721	69.30	0.39	-		100
	651	CV	6512462	0.040	3.80	0.39	-		100
	651	Va	6516221	0.001	0.10	0.39	-		100
H30	651	AL	6512042	0.424	88.70	0.40	-		100
	651	AM	6512044	0.053	11.10	0.39	-		100
	651	AGB	651203222	0.001	0.20	0.40	-		100
H31	651	AL	6512042	0.090	24.20	0.40	-		100
	651	TB	6515822	0.013	3.60	0.40	-		100
	651	AGB	651203222	0.266	71.40	0.40	-		100
	651	PYD	651506826	0.003	0.80	0.20	-		100
H32	651	AL	6512042	0.673	94.30	0.40	-		100
	651	AM	6512044	0.012	1.70	0.39	-		100
	651	AGB	651203222	0.028	4.00	0.40	-		100
H33	651	AL	6512042	0.775	71.60	0.40	-		100
	651	AM	6512044	0.252	23.30	0.39	-		100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)	Effective Rock (%)
Major Basin ID: H								
H33	651	CV	6512462	0.049	4.50	0.39	-	100
	651	AGB	651203222	0.007	0.60	0.40	-	100
H34	651	AL	6512042	0.075	18.30	0.40	-	100
	651	AM	6512044	0.168	41.30	0.39	-	100
	651	CV	6512462	0.164	40.30	0.39	-	100
H35	658	9	6589	0.005	0.40	0.56	-	100
	658	27	65827	0.532	40.70	1.14	-	100
	651	AL	6512042	0.466	35.70	0.40	-	100
	651	RS	6515456	0.112	8.60	0.40	65.00	10
	651	TB	6515822	0.155	11.90	0.40	-	100
	651	PYD	651506826	0.035	2.70	0.20	-	100
H36	651	AL	6512042	0.009	2.10	0.40	-	100
	651	CV	6512462	0.422	96.50	0.39	-	100
	651	AbA	651202320	0.006	1.40	0.38	-	100
H37	651	AL	6512042	0.344	61.20	0.40	-	100
	651	CV	6512462	0.219	38.80	0.39	-	100
H38	651	AL	6512042	0.230	47.80	0.40	-	100
	651	AM	6512044	0.005	1.10	0.39	-	100
	651	CV	6512462	0.246	51.20	0.39	-	100
H39	651	AL	6512042	0.119	31.50	0.40	-	100
	651	AM	6512044	0.203	53.60	0.39	-	100
	651	CV	6512462	0.057	14.90	0.39	-	100
H40	651	AM	6512044	0.096	20.40	0.39	-	100
	651	Cp	6512451	0.077	16.50	0.40	-	100
	651	Mo	6514449	0.025	5.30	0.39	-	100
	651	Va	6516221	0.265	56.30	0.39	-	100
	651	AbA	651202320	0.007	1.40	0.38	-	100
H41	651	AL	6512042	0.000	0.10	0.40	-	100
	651	AM	6512044	0.148	49.20	0.39	-	100
	651	Cp	6512451	0.002	0.70	0.40	-	100
	651	CV	6512462	0.030	10.10	0.39	-	100
	651	Va	6516221	0.119	39.80	0.39	-	100
H42	651	AL	6512042	0.159	35.90	0.40	-	100
	651	Cp	6512451	0.007	1.60	0.40	-	100
	651	CV	6512462	0.147	33.20	0.39	-	100
	651	Va	6516221	0.130	29.30	0.39	-	100
H43	651	AL	6512042	0.003	1.50	0.40	-	100
	651	Cp	6512451	0.028	12.70	0.40	-	100
	651	CV	6512462	0.067	30.60	0.39	-	100
	651	Va	6516221	0.121	55.20	0.39	-	100
	651	AbA	651202320	0.000	0.10	0.38	-	100
H44	651	Cp	6512451	0.085	15.30	0.40	-	100
	651	CV	6512462	0.158	28.60	0.39	-	100
	651	Mo	6514449	0.009	1.70	0.39	-	100
	651	Va	6516221	0.171	30.80	0.39	-	100
	651	AbA	651202320	0.131	23.70	0.38	-	100
H45	651	AL	6512042	0.002	0.80	0.40	-	100
	651	AM	6512044	0.077	27.70	0.39	-	100
	651	CV	6512462	0.067	24.00	0.39	-	100
	651	Va	6516221	0.009	3.30	0.39	-	100
	651	AbA	651202320	0.123	44.10	0.38	-	100
H46	651	AL	6512042	0.000	0.00	0.40	-	100
	651	AM	6512044	0.038	12.00	0.39	-	100
	651	Cp	6512451	0.002	0.60	0.40	-	100
	651	Mo	6514449	0.001	0.40	0.39	-	100
	651	Va	6516221	0.134	42.60	0.39	-	100
	651	AbA	651202320	0.140	44.30	0.38	-	100
H47	651	AM	6512044	0.201	52.50	0.39	-	100
	651	Va	6516221	0.179	46.70	0.39	-	100
	651	AbA	651202320	0.003	0.90	0.38	-	100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)	Effective Rock (%)
Major Basin ID: H								
H48	651	AL	6512042	0.124	37.20	0.40	-	100
	651	AM	6512044	0.210	62.80	0.39	-	100
H49	651	AL	6512042	0.039	8.20	0.40	-	100
	651	AM	6512044	0.283	59.10	0.39	-	100
	651	Mo	6514449	0.003	0.60	0.39	-	100
	651	Va	6516221	0.153	32.00	0.39	-	100
H50	651	AL	6512042	0.009	1.40	0.40	-	100
	651	AM	6512044	0.501	80.10	0.39	-	100
	651	Mo	6514449	0.000	0.00	0.39	-	100
	651	Va	6516221	0.116	18.50	0.39	-	100
H51	651	AL	6512042	0.000	0.00	0.40	-	100
	651	AM	6512044	0.303	100.00	0.39	-	100
H52	651	AM	6512044	0.225	99.90	0.39	-	100
	651	Va	6516221	0.000	0.10	0.39	-	100
H53	651	AM	6512044	0.385	99.80	0.39	-	100
	651	Va	6516221	0.001	0.20	0.39	-	100
H54	651	AM	6512044	0.063	29.70	0.39	-	100
	651	Cp	6512451	0.000	0.10	0.40	-	100
	651	Va	6516221	0.139	65.20	0.39	-	100
	651	AbA	651202320	0.011	5.00	0.38	-	100
H55	651	AL	6512042	0.339	100.00	0.40	-	100
H56	651	AL	6512042	0.065	16.30	0.40	-	100
	651	AM	6512044	0.330	83.70	0.39	-	100
H57	651	AM	6512044	0.162	38.40	0.39	-	100
	651	Cp	6512451	0.150	35.70	0.40	-	100
	651	Va	6516221	0.109	25.90	0.39	-	100
H58	651	AL	6512042	0.306	100.00	0.40	-	100
H59	651	AL	6512042	0.289	74.90	0.40	-	100
	651	AM	6512044	0.064	16.70	0.39	-	100
	651	CV	6512462	0.033	8.50	0.39	-	100
H60	651	AL	6512042	0.168	30.50	0.40	-	100
	651	AM	6512044	0.055	10.00	0.39	-	100
	651	Cp	6512451	0.102	18.40	0.40	-	100
	651	Va	6516221	0.212	38.50	0.39	-	100
	651	AbB	651202322	0.014	2.60	0.39	-	100
H61	651	AL	6512042	0.077	16.20	0.40	-	100
	651	AM	6512044	0.255	53.90	0.39	-	100
	651	Cp	6512451	0.067	14.10	0.40	-	100
	651	Va	6516221	0.074	15.70	0.39	-	100
	651	AbB	651202322	0.001	0.20	0.39	-	100
H62	651	AL	6512042	0.188	38.00	0.40	-	100
	651	AM	6512044	0.036	7.40	0.39	-	100
	651	CV	6512462	0.104	21.00	0.39	-	100
	651	AGB	651203222	0.166	33.60	0.40	-	100
H63	651	AL	6512042	0.017	10.40	0.40	-	100
	651	AM	6512044	0.150	89.60	0.39	-	100
H65	651	AL	6512042	0.173	41.50	0.40	-	100
	651	AM	6512044	0.229	55.00	0.39	-	100
	651	CV	6512462	0.014	3.50	0.39	-	100
H66	651	AL	6512042	0.268	37.10	0.40	-	100
	651	AM	6512044	0.395	54.80	0.39	-	100
	651	Va	6516221	0.059	8.10	0.39	-	100
	651	AGB	651203222	0.000	0.00	0.40	-	100
H67	651	AM	6512044	0.105	56.30	0.39	-	100
	651	Cp	6512451	0.002	1.00	0.40	-	100
	651	Va	6516221	0.080	42.70	0.39	-	100
H68	651	Cp	6512451	0.211	62.20	0.40	-	100
	651	TD	6515826	0.006	1.80	1.20	-	100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)	Effective Rock (%)
Major Basin ID: H								
H68	651	Va	6516221	0.088	26.00	0.39	-	100
	651	AbA	651202320	0.030	8.80	0.38	-	100
	651	GgA	651323320	0.004	1.20	0.25	-	100
H69	651	Cp	6512451	0.195	36.90	0.40	-	100
	651	Mo	6514449	0.063	11.80	0.39	-	100
	651	TD	6515826	0.016	3.00	1.20	-	100
	651	Va	6516221	0.221	41.70	0.39	-	100
	651	AbA	651202320	0.021	3.90	0.38	-	100
	651	GgA	651323320	0.015	2.80	0.25	-	100
H70	651	AM	6512044	0.014	2.80	0.39	-	100
	651	Bs	6512257	0.003	0.70	0.39	-	100
	651	Cp	6512451	0.168	34.00	0.40	-	100
	651	Mo	6514449	0.002	0.30	0.39	-	100
	651	TD	6515826	0.020	4.10	1.20	-	100
	651	Va	6516221	0.224	45.30	0.39	-	100
	651	AbA	651202320	0.014	2.80	0.38	-	100
	651	AdA	651202720	0.002	0.40	0.40	-	100
	651	GgA	651323320	0.048	9.60	0.25	-	100
H71	651	AM	6512044	0.007	1.10	0.39	-	100
	651	Cp	6512451	0.191	29.50	0.40	-	100
	651	Ma	6514421	0.008	1.20	0.40	-	100
	651	Va	6516221	0.433	66.90	0.39	-	100
	651	AbA	651202320	0.009	1.30	0.38	-	100
H72	651	Cp	6512451	0.198	46.90	0.40	-	100
	651	TD	6515826	0.003	0.60	1.20	-	100
	651	Va	6516221	0.115	27.20	0.39	-	100
	651	AbA	651202320	0.024	5.60	0.38	-	100
	651	AdA	651202720	0.022	5.20	0.40	-	100
	651	GgA	651323320	0.061	14.50	0.25	-	100
H73	651	Cp	6512451	0.138	47.60	0.40	-	100
	651	Ma	6514421	0.013	4.60	0.40	-	100
	651	Mo	6514449	0.020	7.00	0.39	-	100
	651	Va	6516221	0.117	40.50	0.39	-	100
	651	AbA	651202320	0.001	0.40	0.38	-	100
H74	651	Bs	6512257	0.006	0.70	0.39	-	100
	651	Cp	6512451	0.463	57.70	0.40	-	100
	651	Mo	6514449	0.016	2.00	0.39	-	100
	651	TD	6515826	0.022	2.80	1.20	-	100
	651	Va	6516221	0.199	24.80	0.39	-	100
	651	AdA	651202720	0.026	3.20	0.40	-	100
	651	GgA	651323320	0.051	6.40	0.25	-	100
	651	LcA	651422520	0.020	2.40	0.25	-	100
H75	651	Cp	6512451	0.296	39.60	0.40	-	100
	651	Mo	6514449	0.178	23.90	0.39	-	100
	651	Va	6516221	0.273	36.60	0.39	-	100
H76	651	Cp	6512451	0.254	33.80	0.40	-	100
	651	Mo	6514449	0.066	8.80	0.39	-	100
	651	Va	6516221	0.384	51.10	0.39	-	100
	651	AbA	651202320	0.024	3.20	0.38	-	100
	651	GgA	651323320	0.003	0.30	0.25	-	100
	651	LcA	651422520	0.021	2.80	0.25	-	100
H77	651	Es	6512857	0.004	1.50	0.25	-	100
	651	Mo	6514449	0.019	6.90	0.39	-	100
	651	TD	6515826	0.016	5.90	1.20	-	100
	651	Va	6516221	0.112	41.00	0.39	-	100
	651	AdA	651202720	0.018	6.70	0.40	-	100
	651	GgA	651323320	0.054	19.80	0.25	-	100
	651	LcA	651422520	0.050	18.30	0.25	-	100
H78	651	Cp	6512451	0.017	3.50	0.40	-	100
	651	Mo	6514449	0.032	6.50	0.39	-	100
	651	Va	6516221	0.421	86.10	0.39	-	100
	651	AbA	651202320	0.019	3.80	0.38	-	100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)	Effective Rock (%)
Major Basin ID: H								
H79	651	Mo	6514449	0.042	8.30	0.39	-	100
	651	Va	6516221	0.421	83.60	0.39	-	100
	651	AbA	651202320	0.041	8.10	0.38	-	100
H80	651	Ae	6512029	0.007	1.40	0.39	-	100
	651	Es	6512857	0.031	6.80	0.25	-	100
	651	Ge	6513229	0.006	1.20	0.26	-	100
	651	Ma	6514421	0.028	6.00	0.40	-	100
	651	TD	6515826	0.020	4.30	1.20	-	100
	651	Va	6516221	0.270	59.00	0.39	-	100
	651	AbA	651202320	0.044	9.60	0.38	-	100
	651	GgA	651323320	0.053	11.70	0.25	-	100
H81	651	Cp	6512451	0.016	6.40	0.40	-	100
	651	Mo	6514449	0.110	45.30	0.39	-	100
	651	Va	6516221	0.068	27.80	0.39	-	100
	651	AbA	651202320	0.050	20.60	0.38	-	100
H82	651	Cp	6512451	0.092	18.30	0.40	-	100
	651	Mo	6514449	0.062	12.40	0.39	-	100
	651	Va	6516221	0.303	60.40	0.39	-	100
	651	AbA	651202320	0.044	8.80	0.38	-	100
H83	651	Aa	6512021	0.018	2.80	0.26	-	100
	651	Ae	6512029	0.011	1.60	0.39	-	100
	651	Cp	6512451	0.079	11.90	0.40	-	100
	651	Es	6512857	0.048	7.30	0.25	-	100
	651	Ma	6514421	0.031	4.60	0.40	-	100
	651	TD	6515826	0.014	2.10	1.20	-	100
	651	Va	6516221	0.435	65.90	0.39	-	100
	651	GgA	651323320	0.025	3.80	0.25	-	100
H84	651	Cp	6512451	0.117	15.50	0.40	-	100
	651	Mo	6514449	0.033	4.30	0.39	-	100
	651	Va	6516221	0.602	79.60	0.39	-	100
	651	AbA	651202320	0.005	0.60	0.38	-	100
H85	651	Cp	6512451	0.105	10.80	0.40	-	100
	651	Mo	6514449	0.006	0.60	0.39	-	100
	651	Va	6516221	0.865	88.60	0.39	-	100
H86	651	Aa	6512021	0.009	0.90	0.26	-	100
	651	Ae	6512029	0.019	1.70	0.39	-	100
	651	Es	6512857	0.155	14.40	0.25	-	100
	651	Ma	6514421	0.015	1.40	0.40	-	100
	651	Mo	6514449	0.050	4.60	0.39	-	100
	651	Mp	6514451	0.028	2.60	0.25	-	100
	651	TD	6515826	0.010	0.90	1.20	-	100
	651	Te	6515829	0.037	3.50	0.25	-	100
	651	Va	6516221	0.679	63.00	0.39	-	100
	651	AbA	651202320	0.032	3.00	0.38	-	100
	651	GgA	651323320	0.004	0.30	0.25	-	100
	651	LcA	651422520	0.040	3.70	0.25	-	100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)		Effective Rock (%)
Major Basin ID: I									
I03	651	AL	6512042	0.028	3.00	0.40	-		100
	651	RS	6515456	0.652	68.10	0.40	65.00		60
	651	TB	6515822	0.277	28.90	0.40	-		100
I04	651	AL	6512042	0.357	90.70	0.40	-		100
	651	RS	6515456	0.000	0.00	0.40	-	*	100
	651	TB	6515822	0.037	9.30	0.40	-		100
I05	651	AL	6512042	0.181	83.60	0.40	-		100
	651	CV	6512462	0.036	16.40	0.39	-		100
I06	651	AL	6512042	0.088	17.60	0.40	-		100
	651	AM	6512044	0.025	5.10	0.39	-		100
	651	CV	6512462	0.386	77.30	0.39	-		100
I07	651	AL	6512042	0.014	7.20	0.40	-		100
	651	CV	6512462	0.180	92.80	0.39	-		100
I08	651	AM	6512044	0.435	55.00	0.39	-		100
	651	CV	6512462	0.235	29.70	0.39	-		100
	651	Va	6516221	0.121	15.30	0.39	-		100
I09	651	AL	6512042	0.003	0.90	0.40	-		100
	651	AM	6512044	0.003	0.90	0.39	-		100
	651	Cp	6512451	0.036	11.50	0.40	-		100
	651	CV	6512462	0.222	70.50	0.39	-		100
	651	Va	6516221	0.051	16.10	0.39	-		100
I10	651	Va	6516221	0.445	89.40	0.39	-		100
	651	AbA	651202320	0.053	10.60	0.38	-		100
I11	651	Cp	6512451	0.147	50.90	0.40	-		100
	651	Va	6516221	0.141	48.70	0.39	-		100
	651	AbA	651202320	0.001	0.50	0.38	-		100
I12	651	Cp	6512451	0.101	19.90	0.40	-		100
	651	Mo	6514449	0.056	10.90	0.39	-		100
	651	Va	6516221	0.352	69.20	0.39	-		100
	651	AbA	651202320	0.000	0.00	0.38	-		100
I13	651	Mo	6514449	0.164	31.50	0.39	-		100
	651	Mp	6514451	0.042	8.10	0.25	-		100
	651	Va	6516221	0.283	54.40	0.39	-		100
	651	Vf	6516231	0.008	1.60	0.01	-		100
	651	AbA	651202320	0.008	1.50	0.38	-		100
	651	LcA	651422520	0.015	2.80	0.25	-		100
I14	651	Aa	6512021	0.013	5.50	0.26	-		100
	651	Es	6512857	0.064	26.70	0.25	-		100
	651	Ma	6514421	0.002	1.00	0.40	-		100
	651	Mo	6514449	0.007	3.00	0.39	-		100
	651	Mp	6514451	0.019	8.00	0.25	-		100
	651	TD	6515826	0.014	5.80	1.20	-		100
	651	Vf	6516231	0.023	9.80	0.01	-		100
	651	AbA	651202320	0.026	10.80	0.38	-		100
	651	GgA	651323320	0.028	11.50	0.25	-		100
	651	LcA	651422520	0.043	18.00	0.25	-		100
I15A	651	AL	6512042	0.246	61.20	0.40	-		100
	651	CV	6512462	0.055	13.60	0.39	-		100
	651	RS	6515456	0.002	0.50	0.40	-	*	100
	651	TB	6515822	0.032	7.90	0.40	-		100
	651	GYD	651326826	0.068	16.90	0.26	-		100
I15B	651	AL	6512042	0.001	0.20	0.40	-		100
	651	RS	6515456	0.198	60.30	0.40	65.00		50
	651	TB	6515822	0.130	39.40	0.40	-		100
I16	651	AL	6512042	0.306	62.40	0.40	-		100
	651	RS	6515456	0.183	37.20	0.40	65.00		30
	651	PYD	651506826	0.002	0.40	0.20	-		100
I17A	651	AL	6512042	0.064	59.70	0.40	-		100
	651	RS	6515456	0.001	0.60	0.40	-	*	100
	651	PYD	651506826	0.043	39.70	0.20	-		100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)	Effective Rock (%)
Major Basin ID: I								
I17B	651	AL	6512042	0.002	2.50	0.40	-	100
	651	RS	6515456	0.028	32.10	0.40	65.00	20
	651	PYD	651506826	0.058	65.40	0.20	-	100
I17C	651	RS	6515456	0.149	91.30	0.40	65.00	90
	651	PYD	651506826	0.014	8.70	0.20	-	100
I18	651	AL	6512042	0.512	77.10	0.40	-	100
	651	CV	6512462	0.152	22.90	0.39	-	100
I19	651	AL	6512042	0.047	13.20	0.40	-	100
	651	AM	6512044	0.188	53.00	0.39	-	100
	651	Cp	6512451	0.006	1.80	0.40	-	100
	651	CV	6512462	0.093	26.30	0.39	-	100
	651	AbA	651202320	0.020	5.70	0.38	-	100
I20	651	AM	6512044	0.060	9.70	0.39	-	100
	651	Cp	6512451	0.132	21.30	0.40	-	100
	651	Mo	6514449	0.057	9.30	0.39	-	100
	651	Va	6516221	0.261	42.20	0.39	-	100
	651	AbA	651202320	0.109	17.50	0.38	-	100
I21	651	Mo	6514449	0.134	28.50	0.39	-	100
	651	Mp	6514451	0.001	0.10	0.25	-	100
	651	Va	6516221	0.191	40.80	0.39	-	100
	651	AbA	651202320	0.144	30.60	0.38	-	100
I22	651	Ae	6512029	0.001	0.30	0.39	-	100
	651	Es	6512857	0.039	10.20	0.25	-	100
	651	Lb	6514223	0.017	4.40	0.40	-	100
	651	Mo	6514449	0.080	20.90	0.39	-	100
	651	Mp	6514451	0.082	21.30	0.25	-	100
	651	TD	6515826	0.017	4.30	1.20	-	100
	651	Vh	6516235	0.001	0.30	0.27	-	100
	651	AbA	651202320	0.045	11.70	0.38	-	100
	651	GgA	651323320	0.035	9.00	0.25	-	100
	651	LcA	651422520	0.067	17.40	0.25	-	100
I23	651	RS	6515456	0.357	84.40	0.40	65.00	80
	651	PYD	651506826	0.066	15.60	0.20	-	100
I24	651	AL	6512042	0.001	0.80	0.40	-	100
	651	RS	6515456	0.074	41.90	0.40	65.00	10
	651	PYD	651506826	0.102	57.30	0.20	-	100
I25	651	AL	6512042	0.102	33.00	0.40	-	100
	651	CV	6512462	0.070	22.60	0.39	-	100
	651	PRB	651505422	0.004	1.10	0.28	-	100
	651	PYD	651506826	0.134	43.30	0.20	-	100
I26A	651	AL	6512042	0.206	35.80	0.40	-	100
	651	CV	6512462	0.257	44.60	0.39	-	100
	651	RS	6515456	0.021	3.60	0.40	- *	100
	651	PRB	651505422	0.015	2.60	0.28	-	100
	651	PYD	651506826	0.078	13.50	0.20	-	100
I26B	651	RS	6515456	0.022	36.40	0.40	65.00	20
	651	PYD	651506826	0.039	63.60	0.20	-	100
I27	651	AL	6512042	0.003	0.80	0.40	-	100
	651	AM	6512044	0.019	4.60	0.39	-	100
	651	CV	6512462	0.257	63.80	0.39	-	100
	651	PRB	651505422	0.124	30.70	0.28	-	100
I28	651	AM	6512044	0.197	44.70	0.39	-	100
	651	Cp	6512451	0.004	0.80	0.40	-	100
	651	CV	6512462	0.225	51.00	0.39	-	100
	651	Lb	6514223	0.012	2.70	0.40	-	100
	651	Va	6516221	0.002	0.40	0.39	-	100
	651	PRB	651505422	0.002	0.50	0.28	-	100
I29	651	AM	6512044	0.088	23.60	0.39	-	100
	651	Cp	6512451	0.023	6.10	0.40	-	100
	651	CV	6512462	0.257	68.90	0.39	-	100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)	Effective Rock (%)
Major Basin ID: I								
I29	651	Va	6516221	0.005	1.30	0.39	-	100
	651	PRB	651505422	0.000	0.10	0.28	-	100
I30	651	AM	6512044	0.013	3.20	0.39	-	100
	651	Cp	6512451	0.003	0.60	0.40	-	100
	651	Lb	6514223	0.116	27.50	0.40	-	100
	651	Va	6516221	0.271	64.10	0.39	-	100
	651	AbA	651202320	0.019	4.50	0.38	-	100
I31	651	Cp	6512451	0.166	45.90	0.40	-	100
	651	Lb	6514223	0.053	14.60	0.40	-	100
	651	Va	6516221	0.143	39.60	0.39	-	100
I32	651	Cg	6512433	0.000	0.10	0.24	-	100
	651	Lb	6514223	0.048	9.60	0.40	-	100
	651	Mo	6514449	0.089	17.50	0.39	-	100
	651	Va	6516221	0.310	61.20	0.39	-	100
	651	AbA	651202320	0.059	11.60	0.38	-	100
I33	651	Cg	6512433	0.001	0.30	0.24	-	100
	651	Cp	6512451	0.025	4.90	0.40	-	100
	651	Lb	6514223	0.062	12.20	0.40	-	100
	651	Mo	6514449	0.115	22.80	0.39	-	100
	651	Va	6516221	0.301	59.80	0.39	-	100
I34	651	Cg	6512433	0.042	8.30	0.24	-	100
	651	Es	6512857	0.014	2.80	0.25	-	100
	651	Lb	6514223	0.005	1.00	0.40	-	100
	651	Mo	6514449	0.162	31.70	0.39	-	100
	651	Mp	6514451	0.090	17.70	0.25	-	100
	651	TD	6515826	0.000	0.00	1.20	-	100
	651	Va	6516221	0.036	7.00	0.39	-	100
	651	AbA	651202320	0.086	16.90	0.38	-	100
	651	GgA	651323320	0.059	11.60	0.25	-	100
	651	LcA	651422520	0.015	3.00	0.25	-	100
I35	651	Cg	6512433	0.397	78.30	0.24	-	100
	651	Mo	6514449	0.074	14.60	0.39	-	100
	651	Mp	6514451	0.022	4.40	0.25	-	100
	651	Va	6516221	0.014	2.70	0.39	-	100
I36	651	Mp	6514451	0.005	2.80	0.25	-	100
	651	TD	6515826	0.020	10.50	1.20	-	100
	651	AbA	651202320	0.017	8.60	0.38	-	100
	651	GgA	651323320	0.151	78.10	0.25	-	100
I37	651	Bs	6512257	0.000	0.00	0.39	-	100
	651	Cg	6512433	0.110	26.90	0.24	-	100
	651	Ge	6513229	0.057	13.90	0.26	-	100
	651	Ma	6514421	0.013	3.20	0.40	-	100
	651	Mp	6514451	0.071	17.20	0.25	-	100
	651	TD	6515826	0.011	2.70	1.20	-	100
	651	Vf	6516231	0.035	8.60	0.01	-	100
	651	AbA	651202320	0.033	8.10	0.38	-	100
	651	GgA	651323320	0.079	19.40	0.25	-	100
I38	651	AL	6512042	0.015	13.10	0.40	-	100
	651	RS	6515456	0.024	21.10	0.40	65.00	15
	651	PYD	651506826	0.076	65.80	0.20	-	100
I39	651	AL	6512042	0.138	63.50	0.40	-	100
	651	PRB	651505422	0.079	36.50	0.28	-	100
I40	651	CV	6512462	0.310	75.90	0.39	-	100
	651	PRB	651505422	0.099	24.10	0.28	-	100
I41	651	CV	6512462	0.120	25.20	0.39	-	100
	651	Lb	6514223	0.021	4.30	0.40	-	100
	651	Va	6516221	0.335	70.40	0.39	-	100
I42	651	Cp	6512451	0.295	70.10	0.40	-	100
	651	Lb	6514223	0.010	2.30	0.40	-	100
	651	Mo	6514449	0.082	19.40	0.39	-	100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)		Effective Rock (%)
Major Basin ID: I									
I42	651	Va	6516221	0.018	4.20	0.39	-		100
	651	AbA	651202320	0.002	0.60	0.38	-		100
	651	PeA	651502920	0.015	3.50	0.37	-		100
I43	651	Cg	6512433	0.230	53.20	0.24	-		100
	651	Cp	6512451	0.018	4.10	0.40	-		100
	651	Mo	6514449	0.174	40.20	0.39	-		100
	651	Va	6516221	0.011	2.50	0.39	-		100
	651	Vb	6516223	0.000	0.00	0.39	-		100
I44A	651	AL	6512042	0.222	34.10	0.40	-		100
	651	RS	6515456	0.168	25.70	0.40	65.00		20
	651	GWD	651326426	0.207	31.70	0.35	-		100
	651	GYD	651326826	0.023	3.50	0.26	-		100
	651	PRB	651505422	0.008	1.20	0.28	-		100
	651	PYD	651506826	0.025	3.80	0.20	-		100
I44B	651	AL	6512042	0.001	0.80	0.40	-		100
	651	RS	6515456	0.174	93.70	0.40	65.00		100
	651	PYD	651506826	0.010	5.50	0.20	-		100
I45	651	AL	6512042	0.046	13.10	0.40	-		100
	651	CV	6512462	0.060	17.20	0.39	-		100
	651	PRB	651505422	0.244	69.70	0.28	-		100
I46	651	AM	6512044	0.000	0.10	0.39	-		100
	651	Cp	6512451	0.013	2.90	0.40	-		100
	651	CV	6512462	0.079	17.30	0.39	-		100
	651	Va	6516221	0.328	71.40	0.39	-		100
	651	AbA	651202320	0.005	1.20	0.38	-		100
	651	AdA	651202720	0.009	2.00	0.40	-		100
	651	PRB	651505422	0.024	5.20	0.28	-		100
I47	651	Cp	6512451	0.161	46.00	0.40	-		100
	651	Mo	6514449	0.046	13.20	0.39	-		100
	651	RS	6515456	0.007	2.10	0.40	-	*	100
	651	Va	6516221	0.083	23.80	0.39	-		100
	651	AbA	651202320	0.036	10.40	0.38	-		100
	651	AdA	651202720	0.002	0.50	0.40	-		100
	651	CrB	651245522	0.005	1.30	0.40	-		100
	651	PsA	651505720	0.000	0.10	0.25	-		100
	651	PsB	651505722	0.009	2.50	0.26	-		100
I48	651	Cg	6512433	0.072	21.20	0.24	-		100
	651	Cp	6512451	0.000	0.10	0.40	-		100
	651	Mo	6514449	0.165	48.80	0.39	-		100
	651	Va	6516221	0.062	18.30	0.39	-		100
	651	LcA	651422520	0.026	7.80	0.25	-		100
	651	PsB	651505722	0.013	3.80	0.26	-		100
I49	651	Cg	6512433	0.162	42.20	0.24	-		100
	651	Ch	6512435	0.007	1.90	0.24	-		100
	651	CO	6512448	0.010	2.70	0.29	-	*	100
	651	Es	6512857	0.014	3.70	0.25	-		100
	651	Mp	6514451	0.002	0.60	0.25	-		100
	651	Va	6516221	0.003	0.90	0.39	-		100
	651	Vb	6516223	0.084	22.00	0.39	-		100
	651	AbA	651202320	0.010	2.70	0.38	-		100
	651	GgB	651323322	0.027	7.10	0.26	-		100
	651	LcA	651422520	0.035	9.10	0.25	-		100
	651	RbB	651542322	0.027	7.10	0.25	-		100
I50	651	Aa	6512021	0.012	2.00	0.26	-		100
	651	Ac	6512025	0.017	2.80	0.39	-		100
	651	Br	6512255	0.000	0.00	1.05	-		100
	651	Bs	6512257	0.045	7.50	0.39	-		100
	651	Cg	6512433	0.059	9.90	0.24	-		100
	651	Ch	6512435	0.011	1.90	0.24	-		100
	651	Es	6512857	0.011	1.80	0.25	-		100
	651	Et	6512859	0.018	2.90	0.25	-		100
	651	Ge	6513229	0.012	2.00	0.26	-		100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)		Effective Rock (%)
Major Basin ID: I									
I50	651	Gh	6513235	0.027	4.60	0.24	-		100
	651	Ma	6514421	0.029	4.80	0.40	-		100
	651	Mp	6514451	0.007	1.10	0.25	-		100
	651	TD	6515826	0.020	3.20	1.20	-		100
	651	Vb	6516223	0.059	9.80	0.39	-		100
	651	AbA	651202320	0.056	9.40	0.38	-		100
	651	GgA	651323320	0.206	34.30	0.25	-		100
	651	HrB	651345522	0.011	1.80	0.12	-		100
	651	TfB	651583122	0.001	0.20	0.36	-		100
I51	651	AL	6512042	0.000	0.10	0.40	-		100
	651	RS	6515456	0.001	0.50	0.40	-	*	100
	651	GWD	651326426	0.135	93.50	0.35	-		100
	651	GYD	651326826	0.009	6.00	0.26	-		100
I52	651	AL	6512042	0.129	40.60	0.40	-		100
	651	RS	6515456	0.059	18.50	0.40	65.00		100
	651	TB	6515822	0.008	2.60	0.40	-		100
	651	GWD	651326426	0.122	38.30	0.35	-		100
	651	TSC	651585624	0.000	0.00	0.14	-		100
I53	651	AL	6512042	0.222	43.10	0.40	-		100
	651	CV	6512462	0.014	2.70	0.39	-		100
	651	RS	6515456	0.001	0.20	0.40	65.00		100
	651	GWD	651326426	0.146	28.30	0.35	-		100
	651	GYD	651326826	0.056	10.80	0.26	-		100
	651	PRB	651505422	0.077	14.90	0.28	-		100
I54	651	AL	6512042	0.229	64.90	0.40	-		100
	651	CV	6512462	0.029	8.20	0.39	-		100
	651	GWD	651326426	0.094	26.80	0.35	-		100
I55	651	AL	6512042	0.001	0.50	0.40	-		100
	651	AM	6512044	0.036	14.40	0.39	-		100
	651	CV	6512462	0.182	73.00	0.39	-		100
	651	Va	6516221	0.000	0.00	0.39	-		100
	651	AdA	651202720	0.000	0.10	0.40	-		100
	651	PRB	651505422	0.030	12.00	0.28	-		100
I56	651	AM	6512044	0.000	0.10	0.39	-		100
	651	CV	6512462	0.409	94.70	0.39	-		100
	651	PRB	651505422	0.023	5.20	0.28	-		100
I57	651	AM	6512044	0.091	47.90	0.39	-		100
	651	CO	6512448	0.006	3.10	0.29	20.00		100
	651	CV	6512462	0.003	1.70	0.39	-		100
	651	GA	6513220	0.056	29.70	0.10	40.00		100
	651	RS	6515456	0.028	14.90	0.40	65.00		100
	651	AdA	651202720	0.005	2.70	0.40	-		100
I58A	651	CV	6512462	0.018	13.80	0.39	-		100
	651	GA	6513220	0.086	67.10	0.10	40.00		100
	651	GN	6513246	0.025	19.00	0.25	-		100
I58B	651	AM	6512044	0.037	6.40	0.39	-		100
	651	CV	6512462	0.438	74.90	0.39	-		100
	651	GA	6513220	0.080	13.70	0.10	40.00		100
	651	RS	6515456	0.030	5.00	0.40	65.00		100
I59	651	CV	6512462	0.015	14.80	0.39	-		100
	651	GA	6513220	0.060	59.90	0.10	40.00		100
	651	RS	6515456	0.025	25.30	0.40	65.00		100
I60A	651	CO	6512448	0.070	7.20	0.29	20.00		100
	651	Cp	6512451	0.027	2.80	0.40	-		100
	651	CV	6512462	0.178	18.20	0.39	-		100
	651	GA	6513220	0.211	21.60	0.10	40.00		100
	651	GN	6513246	0.303	31.00	0.25	-		100
	651	GgA	651323320	0.032	3.30	0.25	-		100
	651	GgB	651323322	0.034	3.50	0.26	-		100
	651	GWD	651326426	0.051	5.20	0.35	-		100
	651	GYD	651326826	0.030	3.00	0.26	-		100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)	Effective Rock (%)
Major Basin ID: I								
I60A	651	LcA	651422520	0.033	3.40	0.25	-	100
	651	RbB	651542322	0.008	0.80	0.25	-	100
I60B	651	Cp	6512451	0.004	3.50	0.40	-	100
	651	GA	6513220	0.091	88.90	0.10	40.00	100
	651	RS	6515456	0.008	7.50	0.40	65.00	100
I60C	651	CO	6512448	0.003	1.30	0.29	20.00	100
	651	Cp	6512451	0.058	21.30	0.40	-	100
	651	Mo	6514449	0.084	31.00	0.39	-	100
	651	Va	6516221	0.028	10.30	0.39	-	100
	651	GWD	651326426	0.017	6.20	0.35	-	100
	651	LcA	651422520	0.052	19.30	0.25	-	100
	651	PsB	651505722	0.008	3.00	0.26	-	100
	651	RbB	651542322	0.021	7.60	0.25	-	100
I61	651	Ac	6512025	0.018	7.10	0.39	-	100
	651	Cg	6512433	0.010	3.90	0.24	-	100
	651	Ch	6512435	0.003	1.10	0.24	-	100
	651	CO	6512448	0.118	47.20	0.29	20.00	100
	651	Mp	6514451	0.000	0.00	0.25	-	100
	651	Vb	6516223	0.014	5.80	0.39	-	100
	651	GgA	651323320	0.011	4.30	0.25	-	100
	651	HrB	651345522	0.026	10.30	0.12	-	100
	651	RbB	651542322	0.042	16.70	0.25	-	100
	651	TfB	651583122	0.009	3.70	0.36	-	100
I62	651	CO	6512448	0.261	61.70	0.29	20.00	100
	651	RS	6515456	0.048	11.30	0.40	65.00	100
	651	TD	6515826	0.008	1.90	1.20	-	100
	651	AbA	651202320	0.027	6.40	0.38	-	100
	651	GgA	651323320	0.023	5.50	0.25	-	100
	651	HrB	651345522	0.056	13.20	0.12	-	100
I63	651	CO	6512448	0.024	8.10	0.29	20.00	100
	651	Es	6512857	0.001	0.20	0.25	-	100
	651	Ld	6514227	0.020	7.00	0.25	-	100
	651	RS	6515456	0.022	7.40	0.40	65.00	100
	651	TD	6515826	0.020	6.90	1.20	-	100
	651	AbA	651202320	0.084	28.60	0.38	-	100
	651	GgA	651323320	0.081	27.80	0.25	-	100
	651	HAB	651342022	0.040	13.70	0.07	-	100
	651	LcA	651422520	0.001	0.50	0.25	-	100
I64	651	GA	6513220	0.205	76.70	0.10	40.00	100
	651	GN	6513246	0.062	23.30	0.25	-	100
I65	651	GA	6513220	0.061	20.00	0.10	40.00	100
	651	GN	6513246	0.169	55.20	0.25	-	100
	651	GgA	651323320	0.076	24.80	0.25	-	100
I66	651	CO	6512448	0.049	5.40	0.29	20.00	100
	651	GA	6513220	0.439	48.40	0.10	40.00	100
	651	GN	6513246	0.212	23.40	0.25	-	100
	651	RS	6515456	0.066	7.30	0.40	65.00	100
	651	GgA	651323320	0.117	12.90	0.25	-	100
	651	GgB	651323322	0.024	2.60	0.26	-	100
I67	651	CO	6512448	0.160	16.50	0.29	20.00	100
	651	Es	6512857	0.056	5.70	0.25	-	100
	651	GA	6513220	0.107	11.00	0.10	40.00	100
	651	GN	6513246	0.029	2.90	0.25	-	100
	651	RS	6515456	0.088	9.00	0.40	65.00	100
	651	Te	6515829	0.027	2.80	0.25	-	100
	651	Va	6516221	0.012	1.20	0.39	-	100
	651	AbA	651202320	0.003	0.30	0.38	-	100
	651	GgA	651323320	0.348	35.90	0.25	-	100
	651	GgB	651323322	0.010	1.00	0.26	-	100
	651	HrB	651345522	0.116	11.90	0.12	-	100
	651	PsB	651505722	0.008	0.80	0.26	-	100
	651	RbA	651542320	0.009	1.00	0.26	-	100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)	Effective Rock (%)
Major Basin ID: I								
I68	651	CO	6512448	0.099	34.00	0.29	20.00	100
	651	GA	6513220	0.018	6.30	0.10	40.00	100
	651	Ld	6514227	0.035	12.00	0.25	-	100
	651	RS	6515456	0.034	11.50	0.40	65.00	100
	651	AbA	651202320	0.018	6.00	0.38	-	100
	651	GgA	651323320	0.032	11.10	0.25	-	100
	651	PsB	651505722	0.011	3.80	0.26	-	100
	651	TfB	651583122	0.045	15.30	0.36	-	100
I69	651	CO	6512448	0.079	45.90	0.29	20.00	100
	651	Ld	6514227	0.019	10.80	0.25	-	100
	651	RS	6515456	0.021	12.30	0.40	65.00	100
	651	AbA	651202320	0.015	8.90	0.38	-	100
	651	CrB	651245522	0.021	12.00	0.40	-	100
	651	GgA	651323320	0.003	1.60	0.25	-	100
	651	TfB	651583122	0.015	8.40	0.36	-	100
I70	651	CO	6512448	0.042	11.50	0.29	20.00	100
	651	Ld	6514227	0.007	1.90	0.25	-	100
	651	RS	6515456	0.053	14.40	0.40	65.00	100
	651	AbA	651202320	0.077	20.80	0.38	-	100
	651	CrB	651245522	0.022	6.00	0.40	-	100
	651	GgA	651323320	0.061	16.50	0.25	-	100
	651	GgB	651323322	0.007	1.90	0.26	-	100
	651	HAB	651342022	0.029	8.00	0.07	-	100
	651	HrB	651345522	0.070	19.10	0.12	-	100
I71	651	CO	6512448	0.192	45.50	0.29	20.00	100
	651	Es	6512857	0.032	7.50	0.25	-	100
	651	Ld	6514227	0.093	22.10	0.25	-	100
	651	RS	6515456	0.044	10.40	0.40	65.00	100
	651	AbA	651202320	0.000	0.00	0.38	-	100
	651	CrB	651245522	0.054	12.80	0.40	-	100
	651	GgA	651323320	0.007	1.70	0.25	-	100
I72	651	CO	6512448	0.001	0.40	0.29	20.00	100
	651	Cp	6512451	0.104	50.50	0.40	-	100
	651	GA	6513220	0.039	18.70	0.10	40.00	100
	651	Mo	6514449	0.024	11.70	0.39	-	100
	651	RS	6515456	0.002	1.00	0.40	65.00	100
	651	Va	6516221	0.027	12.90	0.39	-	100
	651	AdA	651202720	0.002	1.10	0.40	-	100
	651	PsA	651505720	0.006	2.90	0.25	-	100
	651	PsB	651505722	0.002	0.70	0.26	-	100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)	Effective Rock (%)
Major Basin ID: J								
J01	651	AL	6512042	0.176	2.50	0.40	-	100
	651	CO	6512448	0.725	10.10	0.29	20.00	100
	651	CV	6512462	0.000	0.00	0.39	-	100
	651	RS	6515456	4.111	57.20	0.40	65.00	75
	651	TB	6515822	0.624	8.70	0.40	-	100
	651	GYD	651326826	1.548	21.50	0.26	-	100
J04	651	AL	6512042	0.033	8.40	0.40	-	100
	651	RS	6515456	0.004	1.00	0.40	- *	100
	651	TB	6515822	0.005	1.10	0.40	-	100
	651	GWD	651326426	0.042	10.80	0.35	-	100
	651	GYD	651326826	0.160	40.60	0.26	-	100
	651	TSC	651585624	0.150	38.10	0.14	-	100
J06	651	AL	6512042	0.250	67.70	0.40	-	100
	651	CV	6512462	0.110	29.80	0.39	-	100
	651	PRB	651505422	0.006	1.50	0.28	-	100
	651	TSC	651585624	0.004	0.90	0.14	-	100
J07	651	AL	6512042	0.259	57.20	0.40	-	100
	651	CV	6512462	0.189	41.70	0.39	-	100
	651	TSC	651585624	0.005	1.00	0.14	-	100
J08	651	AL	6512042	0.000	0.10	0.40	-	100
	651	GYD	651326826	0.030	31.00	0.26	-	100
	651	TSC	651585624	0.066	68.90	0.14	-	100
J10	651	AL	6512042	0.004	1.40	0.40	-	100
	651	CV	6512462	0.285	96.60	0.39	-	100
	651	PRB	651505422	0.006	2.00	0.28	-	100
J11	651	CV	6512462	0.222	91.20	0.39	-	100
	651	GYD	651326826	0.012	4.70	0.26	-	100
	651	PRB	651505422	0.010	4.10	0.28	-	100
J12	651	AL	6512042	0.063	15.30	0.40	-	100
	651	CV	6512462	0.267	64.80	0.39	-	100
	651	GYD	651326826	0.062	15.10	0.26	-	100
	651	TSC	651585624	0.020	4.80	0.14	-	100
J13	651	AL	6512042	0.405	47.10	0.40	-	100
	651	CV	6512462	0.163	18.90	0.39	-	100
	651	TB	6515822	0.005	0.60	0.40	-	100
	651	GYD	651326826	0.217	25.30	0.26	-	100
	651	PRB	651505422	0.057	6.60	0.28	-	100
	651	TSC	651585624	0.014	1.60	0.14	-	100
J14	651	AL	6512042	0.212	10.00	0.40	-	100
	651	CO	6512448	0.289	13.60	0.29	20.00	40
	651	CV	6512462	0.057	2.70	0.39	-	100
	651	GA	6513220	0.070	3.30	0.10	40.00	20
	651	RS	6515456	0.850	40.00	0.40	65.00	70
	651	TB	6515822	0.264	12.40	0.40	-	100
	651	GYD	651326826	0.385	18.10	0.26	-	100
J15	651	CV	6512462	0.317	55.10	0.39	-	100
	651	GA	6513220	0.089	15.50	0.10	40.00	100
	651	GYD	651326826	0.059	10.30	0.26	-	100
	651	PRB	651505422	0.110	19.10	0.28	-	100
J16	651	CV	6512462	0.107	39.90	0.39	-	100
	651	GA	6513220	0.014	5.20	0.10	40.00	100
	651	GYD	651326826	0.138	51.40	0.26	-	100
	651	PRB	651505422	0.009	3.50	0.28	-	100
J17	651	AL	6512042	0.199	38.20	0.40	-	100
	651	CV	6512462	0.091	17.50	0.39	-	100
	651	GYD	651326826	0.231	44.30	0.26	-	100
J18	651	AL	6512042	0.252	29.40	0.40	-	100
	651	CV	6512462	0.040	4.70	0.39	-	100
	651	TB	6515822	0.002	0.20	0.40	-	100
	651	AGB	651203222	0.089	10.40	0.40	-	100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)	Effective Rock (%)
Major Basin ID: J								
J18	651	GYD	651326826	0.474	55.20	0.26	-	100
J19	651	CV	6512462	0.046	43.90	0.39	-	100
	651	GYD	651326826	0.058	56.10	0.26	-	100
J20	651	GA	6513220	0.476	66.60	0.10	40.00	80
	651	RS	6515456	0.078	10.80	0.40	65.00	100
	651	AGB	651203222	0.004	0.60	0.40	-	100
	651	GYD	651326826	0.157	21.90	0.26	-	100
J21	651	AL	6512042	0.004	1.40	0.40	-	100
	651	GA	6513220	0.025	9.80	0.10	40.00	10
	651	AGB	651203222	0.110	43.80	0.40	-	100
	651	GYD	651326826	0.113	45.10	0.26	-	100
J22	651	AL	6512042	0.070	4.60	0.40	-	100
	651	CV	6512462	0.017	1.10	0.39	-	100
	651	GA	6513220	0.561	37.30	0.10	40.00	80
	651	RS	6515456	0.270	17.90	0.40	65.00	80
	651	AGB	651203222	0.073	4.90	0.40	-	100
	651	GYD	651326826	0.514	34.20	0.26	-	100
J23	651	CV	6512462	0.078	25.30	0.39	-	100
	651	GA	6513220	0.019	6.20	0.10	40.00	100
	651	RS	6515456	0.003	1.10	0.40	65.00	100
	651	TB	6515822	0.049	16.00	0.40	-	100
	651	GYD	651326826	0.150	48.60	0.26	-	100
	651	HLC	651344224	0.009	2.80	0.14	-	100
J24	651	GA	6513220	0.043	22.50	0.10	40.00	50
	651	TB	6515822	0.000	0.20	0.40	-	100
	651	GWD	651326426	0.008	3.90	0.35	-	100
	651	GYD	651326826	0.066	34.20	0.26	-	100
	651	HLC	651344224	0.076	39.20	0.14	-	100
J25	651	GA	6513220	0.059	11.40	0.10	40.00	90
	651	RS	6515456	0.419	81.00	0.40	65.00	90
	651	TB	6515822	0.021	4.10	0.40	-	100
	651	GYD	651326826	0.018	3.40	0.26	-	100
J26	651	CO	6512448	0.085	16.50	0.29	20.00	100
	651	RS	6515456	0.429	83.40	0.40	65.00	100
	651	GWD	651326426	0.001	0.10	0.35	-	100
J27	651	Ac	6512025	0.008	0.50	0.39	-	100
	651	Ch	6512435	0.013	0.90	0.24	-	100
	651	CO	6512448	0.004	0.30	0.29	- *	100
	651	Cp	6512451	0.007	0.50	0.40	-	100
	651	Es	6512857	0.112	7.90	0.25	-	100
	651	Gh	6513235	0.024	1.70	0.24	-	100
	651	Ld	6514227	0.479	33.80	0.25	-	100
	651	PT	6515058	0.005	0.40	0.40	-	100
	651	CrB	651245522	0.005	0.40	0.40	-	100
	651	GgA	651323320	0.140	9.90	0.25	-	100
	651	GYD	651326826	0.000	0.00	0.26	-	100
	651	LcA	651422520	0.554	39.10	0.25	-	100
	651	RbA	651542320	0.067	4.70	0.26	-	100
J28	651	CO	6512448	0.127	13.40	0.29	20.00	20
	651	Cp	6512451	0.068	7.20	0.40	-	100
	651	CV	6512462	0.004	0.50	0.39	-	100
	651	GA	6513220	0.127	13.30	0.10	40.00	20
	651	Gh	6513235	0.000	0.00	0.24	-	100
	651	Ld	6514227	0.040	4.20	0.25	-	100
	651	PT	6515058	0.001	0.10	0.40	-	100
	651	RS	6515456	0.131	13.80	0.40	65.00	20
	651	Te	6515829	0.006	0.60	0.25	-	100
	651	AbA	651202320	0.055	5.70	0.38	-	100
	651	CrB	651245522	0.009	1.00	0.40	-	100
	651	GgA	651323320	0.041	4.30	0.25	-	100
	651	GWD	651326426	0.038	4.00	0.35	-	100
	651	LcA	651422520	0.203	21.30	0.25	-	100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)	Effective Rock (%)
Major Basin ID: J								
J28	651	PsB	651505722	0.041	4.30	0.26	-	100
	651	RbA	651542320	0.019	2.00	0.26	-	100
	651	RbB	651542322	0.040	4.20	0.25	-	100
J29A	651	GA	6513220	0.016	4.80	0.10	40.00	20
	651	RS	6515456	0.011	3.40	0.40	65.00	20
	651	TB	6515822	0.105	30.80	0.40	-	100
	651	GWD	651326426	0.040	11.80	0.35	-	100
	651	GYD	651326826	0.084	24.80	0.26	-	100
	651	HLC	651344224	0.083	24.40	0.14	-	100
J29B	651	CO	6512448	0.065	44.20	0.29	20.00	100
	651	RS	6515456	0.042	28.50	0.40	65.00	100
	651	TB	6515822	0.017	11.70	0.40	-	100
	651	GWD	651326426	0.023	15.60	0.35	-	100
J29C	651	CO	6512448	0.189	18.90	0.29	20.00	70
	651	GA	6513220	0.176	17.60	0.10	40.00	70
	651	PT	6515058	0.018	1.80	0.40	-	100
	651	RS	6515456	0.316	31.60	0.40	65.00	70
	651	TB	6515822	0.000	0.00	0.40	-	100
	651	GWD	651326426	0.143	14.30	0.35	-	100
	651	GYD	651326826	0.151	15.10	0.26	-	100
	651	HLC	651344224	0.007	0.70	0.14	-	100
J29D	651	CO	6512448	0.048	11.00	0.29	20.00	60
	651	GA	6513220	0.129	29.70	0.10	40.00	60
	651	RS	6515456	0.081	18.70	0.40	65.00	60
	651	TB	6515822	0.006	1.30	0.40	-	100
	651	GWD	651326426	0.017	4.00	0.35	-	100
	651	GYD	651326826	0.121	27.90	0.26	-	100
	651	HLC	651344224	0.032	7.40	0.14	-	100
J30	651	CO	6512448	0.026	7.70	0.29	20.00	100
	651	RS	6515456	0.305	91.60	0.40	65.00	100
	651	EPD	651285026	0.002	0.70	0.12	-	100
J31	651	CO	6512448	0.043	9.40	0.29	20.00	100
	651	RS	6515456	0.399	87.80	0.40	65.00	100
	651	GWD	651326426	0.013	2.80	0.35	-	100
J32	651	CO	6512448	0.034	10.40	0.29	20.00	85
	651	RS	6515456	0.151	46.70	0.40	65.00	85
	651	GWD	651326426	0.139	42.90	0.35	-	100
J33	651	CO	6512448	0.806	60.30	0.29	20.00	100
	651	GA	6513220	0.000	0.00	0.10	40.00	100
	651	RS	6515456	0.477	35.70	0.40	65.00	100
	651	GWD	651326426	0.054	4.10	0.35	-	100
J34	651	Bs	6512257	0.010	2.20	0.39	-	100
	651	CO	6512448	0.192	42.40	0.29	20.00	100
	651	RS	6515456	0.251	55.40	0.40	65.00	100
J35	651	Aa	6512021	0.006	0.90	0.26	-	100
	651	Bs	6512257	0.014	2.00	0.39	-	100
	651	Bt	6512259	0.006	0.90	0.25	-	100
	651	CF	6512430	0.006	0.90	0.50	-	100
	651	CO	6512448	0.108	16.10	0.29	20.00	50
	651	Ge	6513229	0.003	0.40	0.26	-	100
	651	Gh	6513235	0.069	10.40	0.24	-	100
	651	PT	6515058	0.014	2.10	0.40	-	100
	651	RS	6515456	0.282	42.20	0.40	65.00	50
	651	Vh	6516235	0.101	15.20	0.27	-	100
	651	CA2	65124202	0.008	1.20	0.38	-	100
	651	AbA	651202320	0.006	0.90	0.38	-	100
	651	GPl	651325036	0.003	0.50	0.00	-	100
	651	TrB	651585522	0.043	6.40	0.13	-	100
J36	651	Ac	6512025	0.004	0.80	0.39	-	100
	651	Ge	6513229	0.003	0.50	0.26	-	100
	651	Gh	6513235	0.268	50.90	0.24	-	100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)		Effective Rock (%)
Major Basin ID: J									
J36	651	Gp	6513251	0.012	2.20	0.24	-		100
	651	Ld	6514227	0.175	33.20	0.25	-		100
	651	Go3	65132493	0.050	9.50	0.19	-		100
	651	AbA	651202320	0.015	2.80	0.38	-		100
J37	651	Aa	6512021	0.006	0.80	0.26	-		100
	651	Ac	6512025	0.010	1.20	0.39	-		100
	651	CO	6512448	0.019	2.30	0.29	-	*	100
	651	Cp	6512451	0.000	0.00	0.40	-		100
	651	CV	6512462	0.015	1.80	0.39	-		100
	651	GA	6513220	0.002	0.30	0.10	-	*	100
	651	Ge	6513229	0.008	1.00	0.26	-		100
	651	Gh	6513235	0.086	10.60	0.24	-		100
	651	Ld	6514227	0.235	28.80	0.25	-		100
	651	PT	6515058	0.005	0.60	0.40	-		100
	651	TD	6515826	0.008	0.90	1.20	-		100
	651	Va	6516221	0.010	1.20	0.39	-		100
	651	Go3	65132493	0.009	1.20	0.19	-		100
	651	AbA	651202320	0.118	14.60	0.38	-		100
	651	GgA	651323320	0.056	6.90	0.25	-		100
	651	GWD	651326426	0.020	2.40	0.35	-		100
	651	LcA	651422520	0.207	25.50	0.25	-		100
J38	651	Aa	6512021	0.001	0.10	0.26	-		100
	651	Ac	6512025	0.221	10.70	0.39	-		100
	651	Bs	6512257	0.007	0.30	0.39	-		100
	651	CF	6512430	0.000	0.00	0.50	-		100
	651	Ch	6512435	0.017	0.80	0.24	-		100
	651	CO	6512448	0.085	4.10	0.29	20.00		10
	651	Cp	6512451	0.046	2.20	0.40	-		100
	651	CV	6512462	0.284	13.70	0.39	-		100
	651	GA	6513220	0.315	15.10	0.10	40.00		10
	651	Ge	6513229	0.009	0.50	0.26	-		100
	651	Gh	6513235	0.052	2.50	0.24	-		100
	651	Ld	6514227	0.222	10.70	0.25	-		100
	651	RS	6515456	0.093	4.50	0.40	65.00		10
	651	Go3	65132493	0.098	4.70	0.19	-		100
	651	AbA	651202320	0.236	11.30	0.38	-		100
	651	GgA	651323320	0.028	1.30	0.25	-		100
	651	GWD	651326426	0.150	7.20	0.35	-		100
	651	LcA	651422520	0.183	8.80	0.25	-		100
	651	PeA	651502920	0.007	0.40	0.37	-		100
	651	PeB	651502922	0.010	0.50	0.38	-		100
	651	PRB	651505422	0.015	0.70	0.28	-		100
J39	651	Ac	6512025	0.087	8.30	0.39	-		100
	651	AL	6512042	0.198	19.00	0.40	-		100
	651	Cp	6512451	0.006	0.60	0.40	-		100
	651	CV	6512462	0.131	12.50	0.39	-		100
	651	GA	6513220	0.214	20.50	0.10	40.00		20
	651	RS	6515456	0.036	3.40	0.40	65.00		20
	651	Go3	65132493	0.048	4.60	0.19	-		100
	651	AGB	651203222	0.159	15.20	0.40	-		100
	651	GWD	651326426	0.004	0.40	0.35	-		100
	651	GYD	651326826	0.078	7.50	0.26	-		100
	651	PRB	651505422	0.084	8.00	0.28	-		100
J40	651	AL	6512042	0.073	8.10	0.40	-		100
	651	CO	6512448	0.183	20.40	0.29	20.00		80
	651	GA	6513220	0.166	18.50	0.10	40.00		40
	651	RS	6515456	0.099	10.90	0.40	65.00		80
	651	Go3	65132493	0.018	2.00	0.19	-		100
	651	GYD	651326826	0.358	39.80	0.26	-		100
	651	PRB	651505422	0.003	0.30	0.28	-		100
J41	651	AL	6512042	0.033	18.10	0.40	-		100
	651	CF	6512430	0.000	0.10	0.50	-		100
	651	CO	6512448	0.076	41.60	0.29	20.00		85
	651	RS	6515456	0.039	21.60	0.40	65.00		85

* Non default value

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)	Effective Rock (%)
Major Basin ID: J								
J41	651	Go3	65132493	0.018	9.90	0.19	-	100
	651	GYD	651326826	0.010	5.20	0.26	-	100
	651	PRB	651505422	0.006	3.50	0.28	-	100
J42	651	AL	6512042	0.026	13.20	0.40	-	100
	651	CF	6512430	0.002	0.80	0.50	-	100
	651	CO	6512448	0.045	22.60	0.29	20.00	100
	651	RS	6515456	0.082	40.90	0.40	65.00	100
	651	Go3	65132493	0.019	9.40	0.19	-	100
	651	GYD	651326826	0.026	13.10	0.26	-	100
J43A	651	AL	6512042	0.002	0.60	0.40	-	100
	651	CF	6512430	0.007	1.90	0.50	-	100
	651	CO	6512448	0.014	3.70	0.29	20.00	50
	651	GA	6513220	0.005	1.30	0.10	40.00	50
	651	RS	6515456	0.044	11.90	0.40	65.00	10
	651	TB	6515822	0.028	7.60	0.40	-	100
	651	Go3	65132493	0.000	0.10	0.19	-	100
	651	AGB	651203222	0.026	7.00	0.40	-	100
	651	GgA	651323320	0.006	1.80	0.25	-	100
	651	GWD	651326426	0.060	16.50	0.35	-	100
	651	GYD	651326826	0.173	47.50	0.26	-	100
	651	HLC	651344224	0.001	0.20	0.14	-	100
J43B	651	CO	6512448	0.068	62.80	0.29	20.00	100
	651	RS	6515456	0.016	14.70	0.40	65.00	100
	651	GWD	651326426	0.019	17.70	0.35	-	100
	651	GYD	651326826	0.005	4.80	0.26	-	100
J43C	651	CO	6512448	0.037	30.20	0.29	20.00	75
	651	RS	6515456	0.025	20.20	0.40	65.00	75
	651	TB	6515822	0.002	1.30	0.40	-	100
	651	GWD	651326426	0.036	29.20	0.35	-	100
	651	HLC	651344224	0.023	19.10	0.14	-	100
J44	651	CO	6512448	0.004	2.40	0.29	20.00	100
	651	GA	6513220	0.002	1.00	0.10	40.00	100
	651	AGB	651203222	0.000	0.10	0.40	-	100
	651	GgA	651323320	0.003	2.00	0.25	-	100
	651	GYD	651326826	0.139	94.50	0.26	-	100
J45	651	CO	6512448	0.141	43.80	0.29	20.00	100
	651	GA	6513220	0.031	9.50	0.10	40.00	100
	651	RS	6515456	0.072	22.50	0.40	65.00	100
	651	AGB	651203222	0.000	0.10	0.40	-	100
	651	GWD	651326426	0.020	6.20	0.35	-	100
	651	GYD	651326826	0.058	17.90	0.26	-	100
J46	651	CO	6512448	0.199	35.20	0.29	20.00	100
	651	GA	6513220	0.009	1.60	0.10	40.00	100
	651	RS	6515456	0.181	32.10	0.40	65.00	100
	651	AGB	651203222	0.017	3.00	0.40	-	100
	651	EPD	651285026	0.076	13.50	0.12	-	100
	651	GgA	651323320	0.000	0.10	0.25	-	100
	651	GYD	651326826	0.082	14.50	0.26	-	100
J47	651	CO	6512448	0.035	7.60	0.29	20.00	20
	651	GA	6513220	0.012	2.60	0.10	40.00	20
	651	AGB	651203222	0.033	7.20	0.40	-	100
	651	EPD	651285026	0.119	26.20	0.12	-	100
	651	GgA	651323320	0.001	0.20	0.25	-	100
	651	GWD	651326426	0.152	33.40	0.35	-	100
	651	GYD	651326826	0.104	22.80	0.26	-	100
J48	651	CO	6512448	0.362	41.60	0.29	20.00	60
	651	GA	6513220	0.078	9.00	0.10	40.00	60
	651	RS	6515456	0.161	18.50	0.40	65.00	60
	651	Vh	6516235	0.000	0.00	0.27	-	100
	651	AGB	651203222	0.072	8.30	0.40	-	100
	651	GgA	651323320	0.019	2.20	0.25	-	100
	651	GWD	651326426	0.123	14.20	0.35	-	100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)	Effective Rock (%)
Major Basin ID: J								
J48	651	GYD	651326826	0.054	6.20	0.26	-	100
J49	651	CF	6512430	0.003	1.50	0.50	-	100
	651	CO	6512448	0.002	1.20	0.29	20.00	50
	651	RS	6515456	0.084	43.80	0.40	65.00	50
	651	Vg	6516233	0.011	5.60	0.91	-	100
	651	Vh	6516235	0.031	16.40	0.27	-	100
	651	AbA	651202320	0.020	10.40	0.38	-	100
	651	GgA	651323320	0.040	21.10	0.25	-	100
J50	651	CF	6512430	0.005	0.80	0.50	-	100
	651	CO	6512448	0.029	4.90	0.29	20.00	90
	651	RS	6515456	0.464	78.90	0.40	65.00	90
	651	Vg	6516233	0.004	0.70	0.91	-	100
	651	AbA	651202320	0.032	5.40	0.38	-	100
	651	GgA	651323320	0.050	8.60	0.25	-	100
	651	TrB	651585522	0.005	0.80	0.13	-	100
J51	651	CO	6512448	0.002	0.90	0.29	20.00	100
	651	RS	6515456	0.153	92.40	0.40	65.00	100
	651	Vh	6516235	0.011	6.60	0.27	-	100
	651	GgA	651323320	0.000	0.10	0.25	-	100
J52	651	Aa	6512021	0.000	0.10	0.26	-	100
	651	Br	6512255	0.008	4.10	1.05	-	100
	651	CF	6512430	0.003	1.40	0.50	-	100
	651	Ge	6513229	0.042	23.30	0.26	-	100
	651	Gh	6513235	0.001	0.30	0.24	-	100
	651	RS	6515456	0.044	24.10	0.40	65.00	35
	651	Vh	6516235	0.055	30.00	0.27	-	100
	651	GgA	651323320	0.030	16.60	0.25	-	100
J53	651	CO	6512448	0.039	79.20	0.29	20.00	100
	651	RS	6515456	0.007	14.50	0.40	65.00	100
	651	EPD	651285026	0.003	6.30	0.12	-	100
J54	651	Bs	6512257	0.019	8.60	0.39	-	100
	651	Bt	6512259	0.047	21.30	0.25	-	100
	651	CF	6512430	0.006	2.50	0.50	-	100
	651	Gf	6513231	0.005	2.10	0.24	-	100
	651	Gh	6513235	0.039	17.70	0.24	-	100
	651	RS	6515456	0.077	35.00	0.40	65.00	50
	651	Vh	6516235	0.022	10.10	0.27	-	100
	651	GPI	651325036	0.006	2.70	0.00	-	100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)	Effective Rock (%)
Major Basin ID: X								
X01	651	CO	6512448	0.312	20.60	0.29	20.00	100
	651	GA	6513220	0.011	0.70	0.10	40.00	100
	651	RS	6515456	0.896	59.20	0.40	65.00	100
	651	EPD	651285026	0.245	16.20	0.12	-	100
	651	GWD	651326426	0.050	3.30	0.35	-	100
X02	651	CO	6512448	0.230	15.40	0.29	20.00	100
	651	RS	6515456	0.884	59.00	0.40	65.00	100
	651	AGB	651203222	0.037	2.50	0.40	-	100
	651	EPD	651285026	0.312	20.80	0.12	-	100
	651	GWD	651326426	0.034	2.30	0.35	-	100
X03	651	CO	6512448	0.361	36.00	0.29	20.00	100
	651	RS	6515456	0.643	64.00	0.40	65.00	100
X04	651	Ac	6512025	0.062	6.40	0.39	-	100
	651	CO	6512448	0.111	11.50	0.29	20.00	100
	651	RS	6515456	0.486	50.30	0.40	65.00	100
	651	AbA	651202320	0.000	0.00	0.38	-	100
	651	AGB	651203222	0.015	1.60	0.40	-	100
	651	EPD	651285026	0.281	29.10	0.12	-	100
	651	GgA	651323320	0.010	1.10	0.25	-	100
X05	651	Ac	6512025	0.041	13.10	0.39	-	100
	651	Ao	6512049	0.000	0.10	0.04	-	100
	651	Vh	6516235	0.005	1.60	0.27	-	100
	651	AbA	651202320	0.000	0.00	0.38	-	100
	651	AGB	651203222	0.036	11.50	0.40	-	100
	651	EPD	651285026	0.227	71.90	0.12	-	100
	651	GgA	651323320	0.000	0.10	0.25	-	100
	651	GWD	651326426	0.005	1.70	0.35	-	100
X06	651	Ac	6512025	0.031	3.00	0.39	-	100
	651	AL	6512042	0.015	1.40	0.40	-	100
	651	Ao	6512049	0.001	0.10	0.04	-	100
	651	CF	6512430	0.003	0.30	0.50	-	100
	651	CO	6512448	0.133	13.00	0.29	20.00	100
	651	GA	6513220	0.046	4.50	0.10	40.00	100
	651	RS	6515456	0.461	44.90	0.40	65.00	100
	651	TB	6515822	0.126	12.30	0.40	-	100
	651	AGB	651203222	0.046	4.40	0.40	-	100
	651	EPD	651285026	0.028	2.70	0.12	-	100
	651	GgA	651323320	0.001	0.00	0.25	-	100
	651	GWD	651326426	0.137	13.30	0.35	-	100
X07	651	Ac	6512025	0.025	1.20	0.39	-	100
	651	CF	6512430	0.005	0.20	0.50	-	100
	651	PT	6515058	0.027	1.30	0.40	-	100
	651	RS	6515456	1.603	76.20	0.40	65.00	100
	651	TB	6515822	0.358	17.00	0.40	-	100
	651	Vg	6516233	0.000	0.00	0.91	-	100
	651	AbA	651202320	0.002	0.10	0.38	-	100
	651	AGB	651203222	0.016	0.80	0.40	-	100
	651	EPD	651285026	0.017	0.80	0.12	-	100
	651	GgA	651323320	0.007	0.30	0.25	-	100
	651	GWD	651326426	0.044	2.10	0.35	-	100
X08	651	RS	6515456	0.395	100.00	0.40	65.00	100
X09	651	RS	6515456	0.348	100.00	0.40	65.00	100
X10	651	RS	6515456	0.213	100.00	0.40	65.00	100
X11	651	PT	6515058	0.076	25.80	0.40	-	100
	651	RS	6515456	0.138	46.90	0.40	65.00	75
	651	EPD	651285026	0.081	27.30	0.12	-	100
X12	651	PT	6515058	0.002	0.90	0.40	-	100
	651	RS	6515456	0.189	79.50	0.40	65.00	90
	651	EPD	651285026	0.002	0.80	0.12	-	100
	651	GWD	651326426	0.044	18.40	0.35	-	100
	651	GYD	651326826	0.001	0.40	0.26	-	100

Area ID	Book Number	Map Unit	Soil ID	Area (sq mi)	Area (%)	XKSAT	Rock Percent (%)	Effective Rock (%)
Major Basin ID: X								
X13	651	PT	6515058	0.092	2.50	0.40	-	100
	651	RS	6515456	2.557	68.70	0.40	65.00	65
	651	TB	6515822	0.717	19.30	0.40	-	100
	651	EPD	651285026	0.357	9.60	0.12	-	100
X14	651	CO	6512448	0.013	6.80	0.29	20.00	50
	651	RS	6515456	0.102	52.80	0.40	65.00	50
	651	AGB	651203222	0.003	1.50	0.40	-	100
	651	GWD	651326426	0.061	31.70	0.35	-	100
	651	GYD	651326826	0.014	7.20	0.26	-	100
X15	651	CO	6512448	0.001	0.30	0.29	20.00	90
	651	RS	6515456	0.131	67.30	0.40	65.00	90
	651	GWD	651326426	0.063	32.50	0.35	-	100
X16	651	PT	6515058	0.008	2.70	0.40	-	100
	651	RS	6515456	0.169	61.00	0.40	65.00	85
	651	EPD	651285026	0.027	9.60	0.12	-	100
	651	GWD	651326426	0.062	22.30	0.35	-	100
	651	GYD	651326826	0.012	4.30	0.26	-	100
X17	658	27	65827	0.000	0.10	0.00	-	100
	651	CF	6512430	0.010	2.10	0.50	-	100
	651	GA	6513220	0.025	5.40	0.10	40.00	40
	651	Gf	6513231	0.027	5.90	0.24	-	100
	651	PT	6515058	0.022	4.70	0.40	-	100
	651	RS	6515456	0.100	21.60	0.40	65.00	20
	651	AbA	651202320	0.009	1.80	0.38	-	100
	651	EPD	651285026	0.028	6.00	0.12	-	100
	651	GgA	651323320	0.054	11.60	0.25	-	100
	651	GWD	651326426	0.046	10.00	0.35	-	100
	651	GYD	651326826	0.042	9.20	0.26	-	100
	651	LcA	651422520	0.100	21.60	0.25	-	100
X18	651	Ac	6512025	0.033	7.90	0.39	-	100
	651	Gf	6513231	0.074	18.00	0.24	-	100
	651	PT	6515058	0.031	7.40	0.40	-	100
	651	RS	6515456	0.078	18.80	0.40	65.00	20
	651	AGB	651203222	0.017	4.20	0.40	-	100
	651	EPD	651285026	0.056	13.60	0.12	-	100
	651	GgA	651323320	0.012	2.90	0.25	-	100
	651	GWD	651326426	0.058	14.00	0.35	-	100
	651	GYD	651326826	0.055	13.30	0.26	-	100

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: A								
000A01	730	9.619	100.0	0.35	0	25.0	DRY	0.030
		9.619	**100.0**					
000A03	730	1.064	100.0	0.35	0	25.0	DRY	0.030
		1.064	**100.0**					
000A04	730	0.743	100.0	0.35	0	25.0	DRY	0.030
		0.743	**100.0**					
000A05	730	2.141	100.0	0.35	0	25.0	DRY	0.030
		2.141	**100.0**					
000A06	730	1.108	100.0	0.35	0	25.0	DRY	0.030
		1.108	**100.0**					
000A07	730	0.523	100.0	0.35	0	25.0	DRY	0.030
		0.523	**100.0**					
000A08	730	2.116	99.4	0.35	0	25.0	DRY	0.030
	900	0.012	0.6	0.35	0	25.0	DRY	0.030
		2.128	**100.0**					
000A09	730	0.736	93.9	0.35	0	25.0	DRY	0.030
	900	0.048	6.1	0.35	0	25.0	DRY	0.030
		0.784	**100.0**					
000A10	730	0.113	12.2	0.35	0	25.0	DRY	0.030
	900	0.815	87.8	0.35	0	25.0	DRY	0.030
		0.928	**100.0**					
000A11	161	0.000		0.25	45	50.0	NORMAL	0.030
	730	1.156	64.1	0.35	0	25.0	DRY	0.030
	900	0.648	35.9	0.35	0	25.0	DRY	0.030
		1.804	**100.0**					
000A12	110	0.015	1.4	0.30	5	30.0	NORMAL	0.050
	120	0.008	0.8	0.30	5	20.0	NORMAL	0.050
	750	0.007	0.7	0.50	0	85.0	NORMAL	0.100
	900	0.988	92.8	0.35	0	25.0	DRY	0.030
	910	0.046	4.3	0.25	45	50.0	NORMAL	0.020
		1.064	**100.0**					
000A13	120	0.008	1.3	0.30	5	20.0	NORMAL	0.050
	130	0.002	0.3	0.30	15	50.0	NORMAL	0.050
	161	0.023	4.0	0.25	45	50.0	NORMAL	0.030
	210	0.001	0.2	0.10	80	65.0	NORMAL	0.020
	552	0.002	0.3	0.10	80	75.0	NORMAL	0.020
	750	0.005	0.8	0.50	0	85.0	NORMAL	0.100
	900	0.540	93.1	0.35	0	25.0	DRY	0.030
		0.580	**100.0**					
000A14	110	0.016	1.9	0.30	5	30.0	NORMAL	0.050
	120	0.023	2.7	0.30	5	20.0	NORMAL	0.050
	161	0.035	4.1	0.25	45	50.0	NORMAL	0.030
	714	0.038	4.4	0.35	0	25.0	DRY	0.030
	900	0.735	85.9	0.35	0	25.0	DRY	0.030
	910	0.009	1.0	0.25	45	50.0	NORMAL	0.020
		0.856	**100.0**					
000A15	110	0.012	1.3	0.30	5	30.0	NORMAL	0.050
	161	0.034	3.6	0.25	45	50.0	NORMAL	0.030
	714	0.252	26.7	0.35	0	25.0	DRY	0.030
	900	0.643	68.4	0.35	0	25.0	DRY	0.030

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: A								
		0.941	**100.0**					
000A16	714	0.159	47.8	0.35	0	25.0	DRY	0.030
	900	0.174	52.2	0.35	0	25.0	DRY	0.030
		0.333	**100.0**					
000A17	714	0.122	21.4	0.35	0	25.0	DRY	0.030
	900	0.449	78.6	0.35	0	25.0	DRY	0.030
		0.570	**100.0**					
000A18	730	0.010	1.4	0.35	0	25.0	DRY	0.030
	900	0.685	98.6	0.35	0	25.0	DRY	0.030
		0.694	**100.0**					
000A19	730	0.108	23.2	0.35	0	25.0	DRY	0.030
	750	0.012	2.6	0.50	0	85.0	NORMAL	0.100
	900	0.345	74.3	0.35	0	25.0	DRY	0.030
		0.465	**100.1**					
000A20	161	0.007	1.9	0.25	45	50.0	NORMAL	0.030
	730	0.087	25.6	0.35	0	25.0	DRY	0.030
	900	0.246	72.5	0.35	0	25.0	DRY	0.030
		0.340	**100.0**					
000A21	730	1.044	100.0	0.35	0	25.0	DRY	0.030
	900	0.000		0.35	0	25.0	DRY	0.030
		1.044	**100.0**					
000A22	730	0.578	100.0	0.35	0	25.0	DRY	0.030
		0.578	**100.0**					
000A23	730	0.233	100.0	0.35	0	25.0	DRY	0.030
		0.233	**100.0**					
000A24	730	1.355	100.0	0.35	0	25.0	DRY	0.030
		1.355	**100.0**					
000A25	730	0.215	100.0	0.35	0	25.0	DRY	0.030
		0.215	**100.0**					
000A26	730	0.499	100.0	0.35	0	25.0	DRY	0.030
		0.499	**100.0**					
000A27	730	1.106	100.0	0.35	0	25.0	DRY	0.030
		1.106	**100.0**					
000A28	730	0.551	100.0	0.35	0	25.0	DRY	0.030
		0.551	**100.0**					
000A29	730	1.188	100.0	0.35	0	25.0	DRY	0.030
		1.188	**100.0**					
000A30	161	0.007	1.0	0.25	45	50.0	NORMAL	0.030
	730	0.549	81.4	0.35	0	25.0	DRY	0.030
	900	0.119	17.6	0.35	0	25.0	DRY	0.030
		0.675	**100.0**					
000A31	110	0.009	1.7	0.30	5	30.0	NORMAL	0.050
	120	0.008	1.4	0.30	5	20.0	NORMAL	0.050
	161	0.019	3.5	0.25	45	50.0	NORMAL	0.030
	730	0.305	56.6	0.35	0	25.0	DRY	0.030
	900	0.198	36.7	0.35	0	25.0	DRY	0.030

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: A								
		0.539	**99.9**					
000A32	161	0.042	3.5	0.25	45	50.0	NORMAL	0.030
	730	0.125	10.3	0.35	0	25.0	DRY	0.030
	900	1.040	86.2	0.35	0	25.0	DRY	0.030
		1.207	**100.0**					
000A33	714	0.147	51.8	0.35	0	25.0	DRY	0.030
	900	0.137	48.2	0.35	0	25.0	DRY	0.030
		0.284	**100.0**					
000A34	714	0.113	29.4	0.35	0	25.0	DRY	0.030
	900	0.272	70.6	0.35	0	25.0	DRY	0.030
		0.385	**100.0**					
000A35	110	0.015	1.7	0.30	5	30.0	NORMAL	0.050
	161	0.001	0.1	0.25	45	50.0	NORMAL	0.030
	714	0.126	14.9	0.35	0	25.0	DRY	0.030
	900	0.705	83.3	0.35	0	25.0	DRY	0.030
		0.847	**100.0**					
000A36	110	0.000		0.30	5	30.0	NORMAL	0.050
	161	0.007	1.7	0.25	45	50.0	NORMAL	0.030
	900	0.425	97.7	0.35	0	25.0	DRY	0.030
	910	0.003	0.6	0.25	45	50.0	NORMAL	0.020
		0.435	**100.0**					
000A37	110	0.063	4.6	0.30	5	30.0	NORMAL	0.050
	120	0.009	0.6	0.30	5	20.0	NORMAL	0.050
	161	0.018	1.3	0.25	45	50.0	NORMAL	0.030
	714	0.338	25.1	0.35	0	25.0	DRY	0.030
	900	0.884	65.7	0.35	0	25.0	DRY	0.030
	910	0.036	2.7	0.25	45	50.0	NORMAL	0.020
		1.346	**100.0**					
000A38	120	0.000		0.30	5	20.0	NORMAL	0.050
	161	0.000		0.25	45	50.0	NORMAL	0.030
	713	0.481	99.8	0.10	5	5.0	NORMAL	0.020
	900	0.001	0.2	0.35	0	25.0	DRY	0.030
		0.482	**100.0**					
000A39	713	0.495	100.0	0.10	5	5.0	NORMAL	0.020
		0.495	**100.0**					
000A40	110	0.004	0.7	0.30	5	30.0	NORMAL	0.050
	713	0.488	98.0	0.10	5	5.0	NORMAL	0.020
	900	0.006	1.3	0.35	0	25.0	DRY	0.030
		0.498	**100.0**					
000A41	110	0.019	2.1	0.30	5	30.0	NORMAL	0.050
	714	0.620	67.8	0.35	0	25.0	DRY	0.030
	730	0.087	9.5	0.35	0	25.0	DRY	0.030
	900	0.189	20.6	0.35	0	25.0	DRY	0.030
		0.915	**100.0**					
000A42	713	0.389	45.7	0.10	5	5.0	NORMAL	0.020
	730	0.296	34.7	0.35	0	25.0	DRY	0.030
	750	0.167	19.6	0.50	0	85.0	NORMAL	0.100
		0.852	**100.0**					
000A43	110	0.000		0.30	5	30.0	NORMAL	0.050
	713	0.503	99.7	0.10	5	5.0	NORMAL	0.020
	730	0.000		0.35	0	25.0	DRY	0.030

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: A								
000A43	900	0.001	0.2	0.35	0	25.0	DRY	0.030
		0.505	**99.9**					
000A44	713	0.344	94.1	0.10	5	5.0	NORMAL	0.020
	730	0.019	5.2	0.35	0	25.0	DRY	0.030
	900	0.002	0.7	0.35	0	25.0	DRY	0.030
		0.366	**100.0**					
000A45	713	0.326	61.1	0.10	5	5.0	NORMAL	0.020
	730	0.080	15.1	0.35	0	25.0	DRY	0.030
	900	0.127	23.8	0.35	0	25.0	DRY	0.030
		0.533	**100.0**					
000A46	713	0.123	61.9	0.10	5	5.0	NORMAL	0.020
	730	0.001	0.5	0.35	0	25.0	DRY	0.030
	900	0.075	37.6	0.35	0	25.0	DRY	0.030
		0.198	**100.0**					
000A47	713	0.510	64.4	0.10	5	5.0	NORMAL	0.020
	750	0.057	7.2	0.50	0	85.0	NORMAL	0.100
	900	0.225	28.4	0.35	0	25.0	DRY	0.030
		0.792	**100.0**					
000A48	713	0.960	90.6	0.10	5	5.0	NORMAL	0.020
	900	0.099	9.4	0.35	0	25.0	DRY	0.030
		1.059	**100.0**					
000A49	110	0.001	0.1	0.30	5	30.0	NORMAL	0.050
	713	0.372	49.5	0.10	5	5.0	NORMAL	0.020
	900	0.377	50.3	0.35	0	25.0	DRY	0.030
	910	0.001	0.1	0.25	45	50.0	NORMAL	0.020
		0.751	**100.0**					
000A50	161	0.000		0.25	45	50.0	NORMAL	0.030
	750	0.998	96.5	0.50	0	85.0	NORMAL	0.100
	900	0.036	3.5	0.35	0	25.0	DRY	0.030
		1.034	**100.0**					
000A51	110	0.048	3.2	0.30	5	30.0	NORMAL	0.050
	161	0.028	1.9	0.25	45	50.0	NORMAL	0.030
	730	0.141	9.5	0.35	0	25.0	DRY	0.030
	900	1.201	80.8	0.35	0	25.0	DRY	0.030
	910	0.068	4.6	0.25	45	50.0	NORMAL	0.020
		1.486	**100.0**					
000A52	730	0.108	49.4	0.35	0	25.0	DRY	0.030
	900	0.110	50.6	0.35	0	25.0	DRY	0.030
		0.218	**100.0**					
000A53	730	1.746	100.0	0.35	0	25.0	DRY	0.030
		1.746	**100.0**					
000A54	730	0.351	69.3	0.35	0	25.0	DRY	0.030
	900	0.155	30.7	0.35	0	25.0	DRY	0.030
		0.507	**100.0**					
000A55	110	0.020	3.2	0.30	5	30.0	NORMAL	0.050
	730	0.474	77.4	0.35	0	25.0	DRY	0.030
	900	0.119	19.4	0.35	0	25.0	DRY	0.030
		0.613	**100.0**					
000A56	110	0.014	0.8	0.30	5	30.0	NORMAL	0.050
	572	0.033	1.8	0.10	80	75.0	NORMAL	0.020

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: A								
000A56	714	0.052	2.8	0.35	0	25.0	DRY	0.030
	730	0.367	20.0	0.35	0	25.0	DRY	0.030
	900	1.369	74.5	0.35	0	25.0	DRY	0.030
	910	0.004	0.2	0.25	45	50.0	NORMAL	0.020
		1.839	**100.1**					
000A57	110	0.022	1.5	0.30	5	30.0	NORMAL	0.050
	120	0.001	0.1	0.30	5	20.0	NORMAL	0.050
	750	0.579	39.4	0.50	0	85.0	NORMAL	0.100
	900	0.867	59.0	0.35	0	25.0	DRY	0.030
		1.469	**100.0**					
000A58	730	1.067	50.1	0.35	0	25.0	DRY	0.030
	900	1.064	49.9	0.35	0	25.0	DRY	0.030
		2.131	**100.0**					
000A59	730	0.619	49.3	0.35	0	25.0	DRY	0.030
	900	0.636	50.7	0.35	0	25.0	DRY	0.030
		1.255	**100.0**					
000A60	110	0.034	2.0	0.30	5	30.0	NORMAL	0.050
	120	0.047	2.8	0.30	5	20.0	NORMAL	0.050
	572	0.036	2.2	0.10	80	75.0	NORMAL	0.020
	714	0.036	2.2	0.35	0	25.0	DRY	0.030
	730	0.110	6.6	0.35	0	25.0	DRY	0.030
	900	1.404	84.2	0.35	0	25.0	DRY	0.030
	910	0.000		0.25	45	50.0	NORMAL	0.020
		1.667	**100.0**					
000A61	110	0.232	11.8	0.30	5	30.0	NORMAL	0.050
	120	0.119	6.1	0.30	5	20.0	NORMAL	0.050
	130	0.042	2.2	0.30	15	50.0	NORMAL	0.050
	203	0.053	2.7	0.10	80	75.0	NORMAL	0.020
	533	0.015	0.8	0.10	80	75.0	NORMAL	0.020
	900	0.150	7.7	0.35	0	25.0	DRY	0.030
	900	1.293	65.8	0.35	0	25.0	DRY	0.030
	910	0.058	3.0	0.25	45	50.0	NORMAL	0.020
		1.964	**100.1**					
000A62	110	0.034	11.7	0.30	5	30.0	NORMAL	0.050
	120	0.110	38.3	0.30	5	20.0	NORMAL	0.050
	130	0.005	1.6	0.30	15	50.0	NORMAL	0.050
	714	0.031	10.9	0.35	0	25.0	DRY	0.030
	900	0.073	25.2	0.35	0	25.0	DRY	0.030
	910	0.036	12.3	0.25	45	50.0	NORMAL	0.020
		0.288	**100.0**					
000A63	110	0.017	2.9	0.30	5	30.0	NORMAL	0.050
	714	0.084	13.8	0.35	0	25.0	DRY	0.030
	900	0.505	83.3	0.35	0	25.0	DRY	0.030
		0.607	**100.0**					
000A64	900	0.231	100.0	0.35	0	25.0	DRY	0.030
		0.231	**100.0**					
000A65	730	0.500	91.3	0.35	0	25.0	DRY	0.030
	900	0.048	8.7	0.35	0	25.0	DRY	0.030
		0.547	**100.0**					

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: B								
000B01	730	5.160	100.0	0.35	0	25.0	DRY	0.030
		5.160	**100.0**					
000B02	730	3.584	100.0	0.35	0	25.0	DRY	0.030
		3.584	**100.0**					
000B03	730	13.202	100.0	0.35	0	25.0	DRY	0.030
		13.202	**100.0**					
000B04	730	0.906	100.0	0.35	0	25.0	DRY	0.030
		0.906	**100.0**					
000B05	730	0.509	95.8	0.35	0	25.0	DRY	0.030
	900	0.023	4.2	0.35	0	25.0	DRY	0.030
		0.532	**100.0**					
000B06	730	0.419	74.0	0.35	0	25.0	DRY	0.030
	900	0.147	26.0	0.35	0	25.0	DRY	0.030
		0.566	**100.0**					
000B07	713	0.223	65.6	0.10	5	5.0	NORMAL	0.020
	750	0.112	32.8	0.50	0	85.0	NORMAL	0.100
	900	0.005	1.6	0.35	0	25.0	DRY	0.030
		0.340	**100.0**					
000B08	750	0.403	93.7	0.50	0	85.0	NORMAL	0.100
	900	0.027	6.3	0.35	0	25.0	DRY	0.030
		0.430	**100.0**					
000B09	750	0.046	17.5	0.50	0	85.0	NORMAL	0.100
	900	0.217	82.5	0.35	0	25.0	DRY	0.030
		0.263	**100.0**					
000B10	120	0.007	1.3	0.30	5	20.0	NORMAL	0.050
	900	0.545	98.7	0.35	0	25.0	DRY	0.030
		0.552	**100.0**					
000B11	900	0.240	100.0	0.35	0	25.0	DRY	0.030
		0.240	**100.0**					
000B12	750	0.001	0.2	0.50	0	85.0	NORMAL	0.100
	900	0.332	99.8	0.35	0	25.0	DRY	0.030
		0.333	**100.0**					
000B13	730	0.155	100.0	0.35	0	25.0	DRY	0.030
		0.155	**100.0**					
000B14	730	0.146	37.2	0.35	0	25.0	DRY	0.030
	900	0.247	62.8	0.35	0	25.0	DRY	0.030
		0.393	**100.0**					
000B15	900	0.644	100.0	0.35	0	25.0	DRY	0.030
		0.644	**100.0**					
000B16	730	0.800	97.4	0.35	0	25.0	DRY	0.030
	900	0.021	2.6	0.35	0	25.0	DRY	0.030
		0.821	**100.0**					
000B17	730	0.048	100.0	0.35	0	25.0	DRY	0.030
		0.048	**100.0**					
000B18	730	0.206	33.0	0.35	0	25.0	DRY	0.030
	900	0.418	67.0	0.35	0	25.0	DRY	0.030

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: B								
		0.623	**100.0**					
000B19	714	0.025	4.7	0.35	0	25.0	DRY	0.030
	730	0.180	33.4	0.35	0	25.0	DRY	0.030
	900	0.333	61.9	0.35	0	25.0	DRY	0.030
		0.538	**100.0**					
000B20	730	0.088	49.5	0.35	0	25.0	DRY	0.030
	900	0.089	50.5	0.35	0	25.0	DRY	0.030
		0.177	**100.0**					
000B21	730	0.094	30.0	0.35	0	25.0	DRY	0.030
	900	0.219	70.0	0.35	0	25.0	DRY	0.030
		0.313	**100.0**					
000B22	730	0.531	97.0	0.35	0	25.0	DRY	0.030
	900	0.017	3.0	0.35	0	25.0	DRY	0.030
		0.548	**100.0**					
000B23	730	0.299	100.0	0.35	0	25.0	DRY	0.030
		0.299	**100.0**					
000B24	730	0.166	69.6	0.35	0	25.0	DRY	0.030
	900	0.072	30.4	0.35	0	25.0	DRY	0.030
		0.238	**100.0**					
000B25	730	0.183	61.4	0.35	0	25.0	DRY	0.030
	900	0.115	38.6	0.35	0	25.0	DRY	0.030
		0.298	**100.0**					
000B26	730	0.162	45.8	0.35	0	25.0	DRY	0.030
	900	0.191	54.2	0.35	0	25.0	DRY	0.030
		0.353	**100.0**					
000B27	730	0.534	62.3	0.35	0	25.0	DRY	0.030
	900	0.322	37.7	0.35	0	25.0	DRY	0.030
		0.856	**100.0**					
000B28	730	0.202	52.3	0.35	0	25.0	DRY	0.030
	900	0.184	47.7	0.35	0	25.0	DRY	0.030
		0.386	**100.0**					
000B29	730	0.154	16.8	0.35	0	25.0	DRY	0.030
	750	0.011	1.2	0.50	0	85.0	NORMAL	0.100
	900	0.750	82.0	0.35	0	25.0	DRY	0.030
		0.915	**100.0**					
000B30	730	0.256	48.1	0.35	0	25.0	DRY	0.030
	900	0.276	51.9	0.35	0	25.0	DRY	0.030
		0.533	**100.0**					
000B31	730	0.078	48.6	0.35	0	25.0	DRY	0.030
	900	0.082	51.4	0.35	0	25.0	DRY	0.030
		0.160	**100.0**					
000B32	900	0.043	100.0	0.35	0	25.0	DRY	0.030
		0.043	**100.0**					
000B33	900	0.283	100.0	0.35	0	25.0	DRY	0.030
		0.283	**100.0**					
000B34	730	0.018	14.0	0.35	0	25.0	DRY	0.030
	900	0.108	86.0	0.35	0	25.0	DRY	0.030

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: B								
		0.125	**100.0**					
000B35	730	0.038	15.1	0.35	0	25.0	DRY	0.030
	900	0.211	84.9	0.35	0	25.0	DRY	0.030
		0.249	**100.0**					
000B36	730	0.102	55.3	0.35	0	25.0	DRY	0.030
	900	0.082	44.7	0.35	0	25.0	DRY	0.030
		0.184	**100.0**					
000B37	900	0.086	100.0	0.35	0	25.0	DRY	0.030
		0.086	**100.0**					
000B38	730	0.007	1.5	0.35	0	25.0	DRY	0.030
	900	0.432	98.5	0.35	0	25.0	DRY	0.030
		0.439	**100.0**					
000B39	730	0.030	7.7	0.35	0	25.0	DRY	0.030
	900	0.360	92.3	0.35	0	25.0	DRY	0.030
		0.390	**100.0**					
000B40	730	0.018	10.1	0.35	0	25.0	DRY	0.030
	900	0.163	89.9	0.35	0	25.0	DRY	0.030
		0.182	**100.0**					
000B41	714	0.090	20.3	0.35	0	25.0	DRY	0.030
	730	0.003	0.7	0.35	0	25.0	DRY	0.030
	900	0.352	79.0	0.35	0	25.0	DRY	0.030
		0.445	**100.0**					
000B42	730	0.000	0.2	0.35	0	25.0	DRY	0.030
	900	0.196	99.8	0.35	0	25.0	DRY	0.030
		0.197	**100.0**					
000B43	714	0.056	32.2	0.35	0	25.0	DRY	0.030
	900	0.118	67.8	0.35	0	25.0	DRY	0.030
		0.174	**100.0**					
000B44	900	0.375	100.0	0.35	0	25.0	DRY	0.030
		0.375	**100.0**					
000B45	730	0.007	0.7	0.35	0	25.0	DRY	0.030
	900	0.960	99.3	0.35	0	25.0	DRY	0.030
		0.967	**100.0**					
000B46	714	0.230	21.7	0.35	0	25.0	DRY	0.030
	730	0.003	0.3	0.35	0	25.0	DRY	0.030
	900	0.826	78.0	0.35	0	25.0	DRY	0.030
		1.059	**100.0**					
000B47	714	0.063	19.9	0.35	0	25.0	DRY	0.030
	900	0.253	80.1	0.35	0	25.0	DRY	0.030
		0.316	**100.0**					
000B48	714	0.019	3.4	0.35	0	25.0	DRY	0.030
	900	0.555	96.6	0.35	0	25.0	DRY	0.030
		0.574	**100.0**					
000B49	900	0.269	100.0	0.35	0	25.0	DRY	0.030
		0.269	**100.0**					
000B50	900	0.273	100.0	0.35	0	25.0	DRY	0.030

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: B								
		0.273	**100.0**					
000B52	900	0.576	100.0	0.35	0	25.0	DRY	0.030
		0.576	**100.0**					
000B53	110	0.020	3.6	0.30	5	30.0	NORMAL	0.050
	120	0.001	0.3	0.30	5	20.0	NORMAL	0.050
	161	0.032	5.9	0.25	45	50.0	NORMAL	0.030
	750	0.001	0.1	0.50	0	85.0	NORMAL	0.100
	900	0.484	90.1	0.35	0	25.0	DRY	0.030
	910	0.000		0.25	45	50.0	NORMAL	0.020
		0.537	**100.0**					
000B54	161	0.004	1.2	0.25	45	50.0	NORMAL	0.030
	730	0.005	1.7	0.35	0	25.0	DRY	0.030
	900	0.280	97.0	0.35	0	25.0	DRY	0.030
	910	0.000		0.25	45	50.0	NORMAL	0.020
		0.289	**99.9**					
000B55	750	0.001	1.4	0.50	0	85.0	NORMAL	0.100
	900	0.078	98.6	0.35	0	25.0	DRY	0.030
		0.079	**100.0**					
000B56	161	0.004	1.8	0.25	45	50.0	NORMAL	0.030
	750	0.014	6.2	0.50	0	85.0	NORMAL	0.100
	900	0.204	92.0	0.35	0	25.0	DRY	0.030
		0.222	**100.0**					
000B57	750	0.006	5.7	0.50	0	85.0	NORMAL	0.100
	900	0.094	94.3	0.35	0	25.0	DRY	0.030
		0.100	**100.0**					
000B58	161	0.019	7.9	0.25	45	50.0	NORMAL	0.030
	714	0.053	21.8	0.35	0	25.0	DRY	0.030
	900	0.170	70.2	0.35	0	25.0	DRY	0.030
		0.243	**99.9**					
000B59	553	0.001	0.3	0.10	80	75.0	NORMAL	0.020
	713	0.504	99.7	0.10	5	5.0	NORMAL	0.020
		0.505	**100.0**					
000B60	750	0.993	99.9	0.50	0	85.0	NORMAL	0.100
	900	0.001	0.1	0.35	0	25.0	DRY	0.030
		0.994	**100.0**					
000B61	110	0.012	1.6	0.30	5	30.0	NORMAL	0.050
	713	0.668	89.6	0.10	5	5.0	NORMAL	0.020
	730	0.017	2.3	0.35	0	25.0	DRY	0.030
	900	0.048	6.5	0.35	0	25.0	DRY	0.030
		0.746	**100.0**					
000B62	110	0.003	0.9	0.30	5	30.0	NORMAL	0.050
	730	0.051	15.3	0.35	0	25.0	DRY	0.030
	750	0.280	83.8	0.50	0	85.0	NORMAL	0.100
		0.334	**100.0**					
000B63	730	0.017	7.5	0.35	0	25.0	DRY	0.030
	750	0.209	92.5	0.50	0	85.0	NORMAL	0.100
		0.226	**100.0**					
000B64	730	0.019	6.4	0.35	0	25.0	DRY	0.030
	750	0.270	93.6	0.50	0	85.0	NORMAL	0.100

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: B								
		0.289	**100.0**					
000B65	110	0.012	6.1	0.30	5	30.0	NORMAL	0.050
	120	0.006	3.2	0.30	5	20.0	NORMAL	0.050
	161	0.007	3.5	0.25	45	50.0	NORMAL	0.030
	750	0.001	0.7	0.50	0	85.0	NORMAL	0.100
	900	0.166	83.3	0.35	0	25.0	DRY	0.030
	910	0.006	3.2	0.25	45	50.0	NORMAL	0.020
		0.199	**100.0**					

Flood Control District of Maricopa County
Drainage Design Management System
LAND USE
Project Reference: SUB BASIN C

 9/11/2010

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: C								
C01	730	0.450	100.0	0.35	0	25.0	DRY	0.030
		0.450	**100.0**					
C02	730	0.130	100.0	0.35	0	25.0	DRY	0.030
		0.130	**100.0**					
C03	730	0.295	100.0	0.35	0	25.0	DRY	0.030
		0.295	**100.0**					
C04	730	0.234	100.0	0.35	0	25.0	DRY	0.030
		0.234	**100.0**					
C05	730	0.228	100.0	0.35	0	25.0	DRY	0.030
		0.228	**100.0**					
C06	730	0.349	100.0	0.35	0	25.0	DRY	0.030
		0.349	**100.0**					
C07	730	1.183	100.0	0.35	0	25.0	DRY	0.030
		1.183	**100.0**					
C08	730	0.873	100.0	0.35	0	25.0	DRY	0.030
		0.873	**100.0**					
C09	730	0.138	100.0	0.35	0	25.0	DRY	0.030
		0.138	**100.0**					
C10	730	0.548	100.0	0.35	0	25.0	DRY	0.030
		0.548	**100.0**					
C11	730	0.289	100.0	0.35	0	25.0	DRY	0.030
		0.289	**100.0**					
C12	730	0.201	100.0	0.35	0	25.0	DRY	0.030
		0.201	**100.0**					
C13	730	0.520	100.0	0.35	0	25.0	DRY	0.030
		0.520	**100.0**					
C14	730	0.224	100.0	0.35	0	25.0	DRY	0.030
		0.224	**100.0**					
C15	730	0.095	100.0	0.35	0	25.0	DRY	0.030
		0.095	**100.0**					
C16	730	0.127	100.0	0.35	0	25.0	DRY	0.030
		0.127	**100.0**					
C17	730	0.121	100.0	0.35	0	25.0	DRY	0.030
		0.121	**100.0**					
C18	730	0.078	100.0	0.35	0	25.0	DRY	0.030
		0.078	**100.0**					
C19	730	0.257	100.0	0.35	0	25.0	DRY	0.030
		0.257	**100.0**					
C20	730	0.464	100.0	0.35	0	25.0	DRY	0.030
		0.464	**100.0**					
C21	730	0.563	100.0	0.35	0	25.0	DRY	0.030
		0.563	**100.0**					

* Non default value

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: C								
C22	730	0.804	100.0	0.35	0	25.0	DRY	0.030
		0.804	**100.0**					
C23	730	0.496	100.0	0.35	0	25.0	DRY	0.030
		0.496	**100.0**					
C24	730	0.162	100.0	0.35	0	25.0	DRY	0.030
		0.162	**100.0**					
C25	730	0.076	100.0	0.35	0	25.0	DRY	0.030
		0.076	**100.0**					
C26	730	0.101	100.0	0.35	0	25.0	DRY	0.030
		0.101	**100.0**					
C27	730	0.214	100.0	0.35	0	25.0	DRY	0.030
		0.214	**100.0**					
C28	730	0.050	100.0	0.35	0	25.0	DRY	0.030
		0.050	**100.0**					
C29	730	0.339	100.0	0.35	0	25.0	DRY	0.030
		0.339	**100.0**					
C30	730	0.235	100.0	0.35	0	25.0	DRY	0.030
		0.235	**100.0**					
C31	730	0.101	100.0	0.35	0	25.0	DRY	0.030
		0.101	**100.0**					
C33	553	0.271	0.8	0.10	80	75.0	NORMAL	0.020
	730	32.247	99.2	0.35	0	25.0	DRY	0.030
		32.518	**100.0**					
C34	730	0.861	100.0	0.35	0	25.0	DRY	0.030
		0.861	**100.0**					
C35	730	5.805	100.0	0.35	0	25.0	DRY	0.030
		5.805	**100.0**					
C36	730	3.053	99.0	0.35	0	25.0	DRY	0.030
	750	0.003	0.1	0.50	0	85.0	NORMAL	0.100
	900	0.029	1.0	0.35	0	25.0	DRY	0.030
		3.084	**100.1**					
C37	730	1.790	99.4	0.35	0	25.0	DRY	0.030
	900	0.011	0.6	0.35	0	25.0	DRY	0.030
		1.801	**100.0**					
C38	730	0.640	100.0	0.35	0	25.0	DRY	0.030
		0.640	**100.0**					
C39	730	0.129	100.0	0.35	0	25.0	DRY	0.030
		0.129	**100.0**					
C40	730	0.170	100.0	0.35	0	25.0	DRY	0.030
		0.170	**100.0**					
C41	730	0.078	100.0	0.35	0	25.0	DRY	0.030
		0.078	**100.0**					
C42	730	0.109	100.0	0.35	0	25.0	DRY	0.030

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: C								
		0.109	**100.0**					
C43	730	0.209	100.0	0.35	0	25.0	DRY	0.030
		0.209	**100.0**					
C44	730	0.170	100.0	0.35	0	25.0	DRY	0.030
		0.170	**100.0**					
C45	730	0.125	100.0	0.35	0	25.0	DRY	0.030
		0.125	**100.0**					
C46	730	0.246	100.0	0.35	0	25.0	DRY	0.030
		0.246	**100.0**					
C47	730	0.795	79.4	0.35	0	25.0	DRY	0.030
	750	0.000		0.50	0	85.0	NORMAL	0.100
	900	0.206	20.6	0.35	0	25.0	DRY	0.030
		1.000	**100.0**					
C48	730	0.065	25.5	0.35	0	25.0	DRY	0.030
	750	0.000		0.50	0	85.0	NORMAL	0.100
	900	0.190	74.4	0.35	0	25.0	DRY	0.030
		0.255	**99.9**					
C49	730	0.093	49.9	0.35	0	25.0	DRY	0.030
	750	0.001	0.6	0.50	0	85.0	NORMAL	0.100
	900	0.092	49.5	0.35	0	25.0	DRY	0.030
		0.186	**100.0**					
C51	730	0.001	0.2	0.35	0	25.0	DRY	0.030
	750	0.384	98.4	0.50	0	85.0	NORMAL	0.100
	900	0.006	1.4	0.35	0	25.0	DRY	0.030
		0.390	**100.0**					
C52	750	0.382	100.0	0.50	0	85.0	NORMAL	0.100
	900	0.000		0.35	0	25.0	DRY	0.030
		0.382	**100.0**					
C53	750	0.373	100.0	0.50	0	85.0	NORMAL	0.100
	900	0.000		0.35	0	25.0	DRY	0.030
		0.373	**100.0**					

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: D								
000D01	730	2.428	100.0	0.35	0	25.0	DRY	0.030
		2.428	**100.0**					
000D02	730	0.496	100.0	0.35	0	25.0	DRY	0.030
		0.496	**100.0**					
000D03	730	0.340	100.0	0.35	0	25.0	DRY	0.030
		0.340	**100.0**					
000D04	730	0.198	100.0	0.35	0	25.0	DRY	0.030
		0.198	**100.0**					
000D05	730	1.927	100.0	0.35	0	25.0	DRY	0.030
		1.927	**100.0**					
000D06	730	1.216	100.0	0.35	0	25.0	DRY	0.030
		1.216	**100.0**					
000D07	730	1.050	100.0	0.35	0	25.0	DRY	0.030
		1.050	**100.0**					
000D08	730	0.280	100.0	0.35	0	25.0	DRY	0.030
		0.280	**100.0**					
000D09	730	0.544	100.0	0.35	0	25.0	DRY	0.030
		0.544	**100.0**					
000D10	730	0.841	100.0	0.35	0	25.0	DRY	0.030
		0.841	**100.0**					
000D11	730	0.395	100.0	0.35	0	25.0	DRY	0.030
		0.395	**100.0**					
000D12	730	0.128	100.0	0.35	0	25.0	DRY	0.030
		0.128	**100.0**					
000D13	730	0.559	100.0	0.35	0	25.0	DRY	0.030
		0.559	**100.0**					
000D15	730	0.653	100.0	0.35	0	25.0	DRY	0.030
		0.653	**100.0**					
000D17	730	0.778	100.0	0.35	0	25.0	DRY	0.030
		0.778	**100.0**					
000D18	730	0.432	100.0	0.35	0	25.0	DRY	0.030
		0.432	**100.0**					
000D19	730	0.247	100.0	0.35	0	25.0	DRY	0.030
		0.247	**100.0**					
000D20	730	0.110	100.0	0.35	0	25.0	DRY	0.030
		0.110	**100.0**					
000D21	730	0.052	66.6	0.35	0	25.0	DRY	0.030
	900	0.026	33.4	0.35	0	25.0	DRY	0.030
		0.078	**100.0**					
000D22	730	7.622	98.7	0.35	0	25.0	DRY	0.030
	750	0.002		0.50	0	85.0	NORMAL	0.100
	900	0.098	1.3	0.35	0	25.0	DRY	0.030
		7.722	**100.0**					

* Non default value

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: D								
000D23	730	0.709	100.0	0.35	0	25.0	DRY	0.030
		0.709	**100.0**					
000D24	730	0.431	100.0	0.35	0	25.0	DRY	0.030
		0.431	**100.0**					
000D25	730	0.485	36.3	0.35	0	25.0	DRY	0.030
	900	0.850	63.7	0.35	0	25.0	DRY	0.030
		1.334	**100.0**					
000D26	730	0.147	9.5	0.35	0	25.0	DRY	0.030
	900	1.399	90.5	0.35	0	25.0	DRY	0.030
		1.546	**100.0**					
000D27	730	0.001	0.4	0.35	0	25.0	DRY	0.030
	900	0.259	99.6	0.35	0	25.0	DRY	0.030
		0.260	**100.0**					
000D28	110	0.025	1.4	0.30	5	30.0	NORMAL	0.050
	730	0.023	1.3	0.35	0	25.0	DRY	0.030
	900	1.759	97.3	0.35	0	25.0	DRY	0.030
		1.808	**100.0**					
000D29	110	0.007	0.2	0.30	5	30.0	NORMAL	0.050
	730	1.139	33.6	0.35	0	25.0	DRY	0.030
	900	2.249	66.2	0.35	0	25.0	DRY	0.030
		3.395	**100.0**					
000D30	900	0.426	100.0	0.35	0	25.0	DRY	0.030
		0.426	**100.0**					
000D31	730	0.044	6.6	0.35	0	25.0	DRY	0.030
	900	0.626	93.4	0.35	0	25.0	DRY	0.030
		0.670	**100.0**					
000D32	900	0.501	100.0	0.35	0	25.0	DRY	0.030
		0.501	**100.0**					
000D33	900	0.650	100.0	0.35	0	25.0	DRY	0.030
		0.650	**100.0**					
000D34	713	0.922	76.7	0.10	5	5.0	NORMAL	0.020
	730	0.006	0.5	0.35	0	25.0	DRY	0.030
	900	0.274	22.8	0.35	0	25.0	DRY	0.030
		1.202	**100.0**					
000D35	730	1.027	83.2	0.35	0	25.0	DRY	0.030
	750	0.005	0.4	0.50	0	85.0	NORMAL	0.100
	900	0.202	16.4	0.35	0	25.0	DRY	0.030
		1.234	**100.0**					
000D36	750	0.002	0.7	0.50	0	85.0	NORMAL	0.100
	900	0.247	99.3	0.35	0	25.0	DRY	0.030
		0.248	**100.0**					
000D37	750	0.006	2.3	0.50	0	85.0	NORMAL	0.100
	900	0.273	97.7	0.35	0	25.0	DRY	0.030
		0.279	**100.0**					
000D38	750	0.000	0.1	0.50	0	85.0	NORMAL	0.100
	900	0.365	99.9	0.35	0	25.0	DRY	0.030
		0.365	**100.0**					

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: D								
000D39	750	0.001	0.2	0.50	0	85.0	NORMAL	0.100
	900	0.291	99.8	0.35	0	25.0	DRY	0.030
		0.292	**100.0**					
000D40	900	0.232	100.0	0.35	0	25.0	DRY	0.030
		0.232	**100.0**					
000D41	900	0.295	100.0	0.35	0	25.0	DRY	0.030
		0.295	**100.0**					
000D42	900	0.208	100.0	0.35	0	25.0	DRY	0.030
		0.208	**100.0**					
000D43	900	0.151	100.0	0.35	0	25.0	DRY	0.030
		0.151	**100.0**					
000D44	900	0.332	100.0	0.35	0	25.0	DRY	0.030
		0.332	**100.0**					
000D45	900	0.262	100.0	0.35	0	25.0	DRY	0.030
		0.262	**100.0**					
000D46	730	0.055	100.0	0.35	0	25.0	DRY	0.030
		0.055	**100.0**					
000D47	730	0.040	100.0	0.35	0	25.0	DRY	0.030
		0.040	**100.0**					

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: E								
E01	730	4.541	100.0	0.35	0	25.0	DRY	0.030
		4.541	**100.0**					
E02	730	6.365	100.0	0.35	0	25.0	DRY	0.030
		6.365	**100.0**					
E03	730	2.027	100.0	0.35	0	25.0	DRY	0.030
		2.027	**100.0**					
E04	730	1.732	97.8	0.35	0	25.0	DRY	0.030
	900	0.039	2.2	0.35	0	25.0	DRY	0.030
		1.771	**100.0**					
E05	730	4.130	98.9	0.35	0	25.0	DRY	0.030
	900	0.047	1.1	0.35	0	25.0	DRY	0.030
		4.177	**100.0**					
E06	730	1.056	100.0	0.35	0	25.0	DRY	0.030
		1.056	**100.0**					
E07	730	1.070	100.0	0.35	0	25.0	DRY	0.030
		1.070	**100.0**					
E08	730	0.952	99.2	0.35	0	25.0	DRY	0.030
	900	0.008	0.8	0.35	0	25.0	DRY	0.030
		0.959	**100.0**					
E09	730	0.303	100.0	0.35	0	25.0	DRY	0.030
		0.303	**100.0**					
E10	730	0.098	100.0	0.35	0	25.0	DRY	0.030
		0.098	**100.0**					
E11	730	2.267	100.0	0.35	0	25.0	DRY	0.030
		2.267	**100.0**					
E12	110	0.046	4.4	0.30	5	30.0	NORMAL	0.050
	161	0.016	1.5	0.25	45	50.0	NORMAL	0.030
	730	0.891	85.0	0.35	0	25.0	DRY	0.030
	900	0.096	9.1	0.35	0	25.0	DRY	0.030
		1.048	**100.0**					
E13	730	1.382	90.3	0.35	0	25.0	DRY	0.030
	900	0.149	9.7	0.35	0	25.0	DRY	0.030
		1.531	**100.0**					
E14	730	0.816	100.0	0.35	0	25.0	DRY	0.030
		0.816	**100.0**					
E15	730	0.922	100.0	0.35	0	25.0	DRY	0.030
		0.922	**100.0**					
E16	730	0.785	100.0	0.35	0	25.0	DRY	0.030
		0.785	**100.0**					
E17	730	1.459	98.7	0.35	0	25.0	DRY	0.030
	900	0.019	1.3	0.35	0	25.0	DRY	0.030
		1.478	**100.0**					
E18	730	0.698	95.7	0.35	0	25.0	DRY	0.030
	900	0.032	4.3	0.35	0	25.0	DRY	0.030
		0.730	**100.0**					

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: E								
E19	730	0.434	93.1	0.35	0	25.0	DRY	0.030
	900	0.032	6.9	0.35	0	25.0	DRY	0.030
		0.466	**100.0**					
E20	730	0.085	16.7	0.35	0	25.0	DRY	0.030
	900	0.423	83.3	0.35	0	25.0	DRY	0.030
		0.509	**100.0**					
E21	730	0.199	56.9	0.35	0	25.0	DRY	0.030
	900	0.151	43.1	0.35	0	25.0	DRY	0.030
		0.349	**100.0**					
E22	730	0.159	14.4	0.35	0	25.0	DRY	0.030
	900	0.944	85.6	0.35	0	25.0	DRY	0.030
		1.103	**100.0**					
E23	730	0.002	0.7	0.35	0	25.0	DRY	0.030
	900	0.322	99.3	0.35	0	25.0	DRY	0.030
		0.325	**100.0**					
E24	730	0.057	21.7	0.35	0	25.0	DRY	0.030
	900	0.204	78.3	0.35	0	25.0	DRY	0.030
		0.261	**100.0**					
E25	110	0.033	2.0	0.30	5	30.0	NORMAL	0.050
	730	0.032	1.9	0.35	0	25.0	DRY	0.030
	900	1.574	96.1	0.35	0	25.0	DRY	0.030
		1.638	**100.0**					
E26	900	0.253	100.0	0.35	0	25.0	DRY	0.030
		0.253	**100.0**					
E27	900	0.128	100.0	0.35	0	25.0	DRY	0.030
		0.128	**100.0**					
E28	730	0.012	5.8	0.35	0	25.0	DRY	0.030
	900	0.192	94.2	0.35	0	25.0	DRY	0.030
		0.204	**100.0**					
E29	900	0.561	100.0	0.35	0	25.0	DRY	0.030
		0.561	**100.0**					
E30	900	0.638	100.0	0.35	0	25.0	DRY	0.030
		0.638	**100.0**					
E31	730	0.002	0.4	0.35	0	25.0	DRY	0.030
	900	0.378	99.6	0.35	0	25.0	DRY	0.030
		0.380	**100.0**					
E32	730	0.028	9.7	0.35	0	25.0	DRY	0.030
	900	0.256	90.3	0.35	0	25.0	DRY	0.030
		0.284	**100.0**					
E33	730	0.000	0.2	0.35	0	25.0	DRY	0.030
	900	0.049	99.8	0.35	0	25.0	DRY	0.030
		0.049	**100.0**					
E34	900	0.268	100.0	0.35	0	25.0	DRY	0.030
		0.268	**100.0**					
E35	900	0.366	100.0	0.35	0	25.0	DRY	0.030
		0.366	**100.0**					

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: E								
E36	900	0.163	100.0	0.35	0	25.0	DRY	0.030
		0.163	**100.0**					
E37	900	0.182	100.0	0.35	0	25.0	DRY	0.030
		0.182	**100.0**					
E38	900	0.480	100.0	0.35	0	25.0	DRY	0.030
		0.480	**100.0**					
E41	730	0.073	10.9	0.35	0	25.0	DRY	0.030
	900	0.597	89.1	0.35	0	25.0	DRY	0.030
		0.670	**100.0**					
E42	900	0.926	100.0	0.35	0	25.0	DRY	0.030
		0.926	**100.0**					
E43	161	0.004	0.5	0.25	45	50.0	NORMAL	0.030
	571	0.001	0.1	0.10	80	75.0	NORMAL	0.020
	900	0.709	99.4	0.35	0	25.0	DRY	0.030
		0.714	**100.0**					
E44	120	0.000		0.30	5	20.0	NORMAL	0.050
	161	0.004	0.7	0.25	45	50.0	NORMAL	0.030
	521	0.000		0.35	45	80.0	NORMAL	0.020
	571	0.000		0.10	80	75.0	NORMAL	0.020
	900	0.624	99.3	0.35	0	25.0	DRY	0.030
		0.629	**100.0**					
E45	120	0.007	2.2	0.30	5	20.0	NORMAL	0.050
	130	0.002	0.6	0.30	15	50.0	NORMAL	0.050
	521	0.009	2.9	0.35	45	80.0	NORMAL	0.020
	900	0.302	94.3	0.35	0	25.0	DRY	0.030
		0.320	**100.0**					
E46	900	0.238	100.0	0.35	0	25.0	DRY	0.030
		0.238	**100.0**					
E47	540	0.007	1.4	0.10	5	90.0	NORMAL	0.020
	900	0.486	98.6	0.35	0	25.0	DRY	0.030
		0.493	**100.0**					
E48	714	0.124	14.4	0.35	0	25.0	DRY	0.030
	730	0.070	8.1	0.35	0	25.0	DRY	0.030
	900	0.667	77.4	0.35	0	25.0	DRY	0.030
		0.861	**99.9**					
E49	571	0.024	10.7	0.10	80	75.0	NORMAL	0.020
	730	0.007	2.9	0.35	0	25.0	DRY	0.030
	900	0.193	86.4	0.35	0	25.0	DRY	0.030
		0.224	**100.0**					
E50	571	0.699	100.0	0.10	80	75.0	NORMAL	0.020
	900	0.000		0.35	0	25.0	DRY	0.030
		0.699	**100.0**					
E51	571	0.049	3.9	0.10	80	75.0	NORMAL	0.020
	730	0.141	11.2	0.35	0	25.0	DRY	0.030
	900	1.063	84.8	0.35	0	25.0	DRY	0.030
		1.253	**99.9**					
E52	571	0.164	99.7	0.10	80	75.0	NORMAL	0.020
	900	0.001	0.3	0.35	0	25.0	DRY	0.030

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: E								
		0.164	**100.0**					
E53	900	0.110	100.0	0.35	0	25.0	DRY	0.030
		0.110	**100.0**					
E54	900	0.122	100.0	0.35	0	25.0	DRY	0.030
		0.122	**100.0**					

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: F								
F01	730	0.437	24.6	0.35	0	25.0	DRY	0.030
	900	1.341	75.4	0.35	0	25.0	DRY	0.030
		1.777	**100.0**					
F01A	730	0.410	100.0	0.35	0	25.0	DRY	0.030
		0.410	**100.0**					
F02	730	0.110	28.4	0.35	0	25.0	DRY	0.030
	900	0.277	71.6	0.35	0	25.0	DRY	0.030
		0.387	**100.0**					
F02A	730	0.636	100.0	0.35	0	25.0	DRY	0.030
		0.636	**100.0**					
F03	714	0.051	3.2	0.35	0	25.0	DRY	0.030
	730	0.842	51.7	0.35	0	25.0	DRY	0.030
	900	0.736	45.2	0.35	0	25.0	DRY	0.030
		1.629	**100.1**					
F04	730	0.096	4.4	0.35	0	25.0	DRY	0.030
	900	2.103	95.6	0.35	0	25.0	DRY	0.030
		2.198	**100.0**					
F05	730	1.432	48.3	0.35	0	25.0	DRY	0.030
	750	0.005	0.2	0.50	0	85.0	NORMAL	0.100
	900	1.530	51.6	0.35	0	25.0	DRY	0.030
		2.967	**100.1**					
F06	730	1.001	100.0	0.35	0	25.0	DRY	0.030
		1.001	**100.0**					
F07	730	2.921	79.4	0.35	0	25.0	DRY	0.030
	900	0.757	20.6	0.35	0	25.0	DRY	0.030
		3.678	**100.0**					
F08	900	0.878	100.0	0.35	0	25.0	DRY	0.030
		0.878	**100.0**					
F09	714	0.045	1.7	0.35	0	25.0	DRY	0.030
	730	0.114	4.2	0.35	0	25.0	DRY	0.030
	900	2.516	93.5	0.35	0	25.0	DRY	0.030
	910	0.016	0.6	0.25	45	50.0	NORMAL	0.020
		2.691	**100.0**					
F10	161	0.007	0.3	0.25	45	50.0	NORMAL	0.030
	714	0.051	2.3	0.35	0	25.0	DRY	0.030
	730	0.625	27.8	0.35	0	25.0	DRY	0.030
	900	1.565	69.6	0.35	0	25.0	DRY	0.030
		2.248	**100.0**					
F11	730	1.153	77.6	0.35	0	25.0	DRY	0.030
	900	0.332	22.4	0.35	0	25.0	DRY	0.030
		1.485	**100.0**					
F12	730	0.296	94.7	0.35	0	25.0	DRY	0.030
	900	0.017	5.3	0.35	0	25.0	DRY	0.030
		0.312	**100.0**					
F13	730	0.260	100.0	0.35	0	25.0	DRY	0.030
		0.260	**100.0**					
F14	730	0.378	97.5	0.35	0	25.0	DRY	0.030
	900	0.010	2.5	0.35	0	25.0	DRY	0.030

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: F								
		0.388	**100.0**					
F15	730	0.107	13.7	0.35	0	25.0	DRY	0.030
	900	0.677	86.3	0.35	0	25.0	DRY	0.030
		0.784	**100.0**					
F16	900	0.110	100.0	0.35	0	25.0	DRY	0.030
		0.110	**100.0**					
F17	730	0.366	31.5	0.35	0	25.0	DRY	0.030
	900	0.794	68.5	0.35	0	25.0	DRY	0.030
		1.159	**100.0**					
F18	900	0.302	100.0	0.35	0	25.0	DRY	0.030
		0.302	**100.0**					
F19	714	0.016	1.9	0.35	0	25.0	DRY	0.030
	730	0.102	12.0	0.35	0	25.0	DRY	0.030
	900	0.731	86.1	0.35	0	25.0	DRY	0.030
		0.849	**100.0**					
F20	110	0.082	10.3	0.30	5	30.0	NORMAL	0.050
	620	0.018	2.2	0.15	55	60.0	NORMAL	0.020
	714	0.191	23.9	0.35	0	25.0	DRY	0.030
	730	0.007	0.9	0.35	0	25.0	DRY	0.030
	900	0.499	62.6	0.35	0	25.0	DRY	0.030
		0.797	**99.9**					
F21	714	0.104	19.4	0.35	0	25.0	DRY	0.030
	730	0.215	40.4	0.35	0	25.0	DRY	0.030
	900	0.214	40.2	0.35	0	25.0	DRY	0.030
		0.533	**100.0**					
F22	730	0.000	0.1	0.35	0	25.0	DRY	0.030
	750	0.011	2.9	0.50	0	85.0	NORMAL	0.100
	900	0.356	97.0	0.35	0	25.0	DRY	0.030
		0.367	**100.0**					
F23	900	0.670	100.0	0.35	0	25.0	DRY	0.030
		0.670	**100.0**					
F24	900	0.799	100.0	0.35	0	25.0	DRY	0.030
		0.799	**100.0**					
F25	730	0.146	4.9	0.35	0	25.0	DRY	0.030
	900	2.848	95.1	0.35	0	25.0	DRY	0.030
		2.994	**100.0**					
F26	900	0.496	100.0	0.35	0	25.0	DRY	0.030
		0.496	**100.0**					
F27	110	0.000		0.30	5	30.0	NORMAL	0.050
	730	0.129	19.2	0.35	0	25.0	DRY	0.030
	750	0.002	0.2	0.50	0	85.0	NORMAL	0.100
	900	0.540	80.5	0.35	0	25.0	DRY	0.030
		0.671	**99.9**					
F28	110	0.030	6.4	0.30	5	30.0	NORMAL	0.050
	120	0.007	1.4	0.30	5	20.0	NORMAL	0.050
	161	0.038	8.1	0.25	45	50.0	NORMAL	0.030
	714	0.106	22.3	0.35	0	25.0	DRY	0.030
	900	0.293	61.9	0.35	0	25.0	DRY	0.030

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: F								
		0.474	**100.1**					
F29	110	0.008	1.4	0.30	5	30.0	NORMAL	0.050
	161	0.011	1.9	0.25	45	50.0	NORMAL	0.030
	714	0.120	20.3	0.35	0	25.0	DRY	0.030
	730	0.031	5.2	0.35	0	25.0	DRY	0.030
	900	0.423	71.2	0.35	0	25.0	DRY	0.030
		0.594	**100.0**					
F31	730	0.158	58.0	0.35	0	25.0	DRY	0.030
	900	0.086	31.5	0.35	0	25.0	DRY	0.030
	910	0.029	10.5	0.25	45	50.0	NORMAL	0.020
		0.272	**100.0**					
F32	714	0.112	39.1	0.35	0	25.0	DRY	0.030
	730	0.118	41.2	0.35	0	25.0	DRY	0.030
	900	0.057	19.7	0.35	0	25.0	DRY	0.030
		0.287	**100.0**					
F33	110	0.003	0.6	0.30	5	30.0	NORMAL	0.050
	120	0.013	2.6	0.30	5	20.0	NORMAL	0.050
	714	0.126	25.7	0.35	0	25.0	DRY	0.030
	730	0.049	10.0	0.35	0	25.0	DRY	0.030
	900	0.301	61.1	0.35	0	25.0	DRY	0.030
		0.492	**100.0**					
F34	110	0.005	0.8	0.30	5	30.0	NORMAL	0.050
	714	0.052	8.8	0.35	0	25.0	DRY	0.030
	730	0.173	29.0	0.35	0	25.0	DRY	0.030
	900	0.367	61.4	0.35	0	25.0	DRY	0.030
		0.597	**100.0**					
F35	730	0.204	30.7	0.35	0	25.0	DRY	0.030
	900	0.462	69.3	0.35	0	25.0	DRY	0.030
		0.666	**100.0**					
F36	161	0.025	15.2	0.25	45	50.0	NORMAL	0.030
	750	0.010	5.9	0.50	0	85.0	NORMAL	0.100
	900	0.132	78.9	0.35	0	25.0	DRY	0.030
		0.167	**100.0**					

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: G								
G01	730	0.160	10.1	0.35	0	25.0	DRY	0.030
	900	1.424	89.9	0.35	0	25.0	DRY	0.030
		1.584	**100.0**					
G02	730	2.029	98.4	0.35	0	25.0	DRY	0.030
	900	0.032	1.6	0.35	0	25.0	DRY	0.030
		2.061	**100.0**					
G03	730	2.444	99.4	0.35	0	25.0	DRY	0.030
	900	0.015	0.6	0.35	0	25.0	DRY	0.030
		2.459	**100.0**					
G04	730	1.954	83.4	0.35	0	25.0	DRY	0.030
	900	0.389	16.6	0.35	0	25.0	DRY	0.030
		2.342	**100.0**					
G05	730	1.575	99.8	0.35	0	25.0	DRY	0.030
	900	0.004	0.2	0.35	0	25.0	DRY	0.030
		1.579	**100.0**					
G06	730	0.353	16.4	0.35	0	25.0	DRY	0.030
	900	1.792	83.6	0.35	0	25.0	DRY	0.030
		2.144	**100.0**					
G07	900	1.358	100.0	0.35	0	25.0	DRY	0.030
		1.358	**100.0**					
G08	730	0.174	43.2	0.35	0	25.0	DRY	0.030
	900	0.228	56.8	0.35	0	25.0	DRY	0.030
		0.401	**100.0**					
G09	730	0.023	3.3	0.35	0	25.0	DRY	0.030
	900	0.680	96.7	0.35	0	25.0	DRY	0.030
		0.702	**100.0**					
G10	900	0.439	100.0	0.35	0	25.0	DRY	0.030
		0.439	**100.0**					
G11	900	0.605	100.0	0.35	0	25.0	DRY	0.030
		0.605	**100.0**					
G12	900	1.032	100.0	0.35	0	25.0	DRY	0.030
		1.032	**100.0**					
G13	161	0.003	0.6	0.25	45	50.0	NORMAL	0.030
	900	0.495	99.4	0.35	0	25.0	DRY	0.030
		0.498	**100.0**					
G14	900	0.136	100.0	0.35	0	25.0	DRY	0.030
		0.136	**100.0**					
G16	620	0.005	0.3	0.15	55	60.0	NORMAL	0.020
	730	0.001		0.35	0	25.0	DRY	0.030
	900	1.397	99.6	0.35	0	25.0	DRY	0.030
		1.402	**99.9**					
G17	620	0.375	62.2	0.15	55	60.0	NORMAL	0.020
	730	0.043	7.1	0.35	0	25.0	DRY	0.030
	900	0.185	30.7	0.35	0	25.0	DRY	0.030
		0.603	**100.0**					
G18	730	0.048	14.8	0.35	0	25.0	DRY	0.030
	900	0.274	85.2	0.35	0	25.0	DRY	0.030

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: G								
		0.322	**100.0**					
G19	730	0.504	75.2	0.35	0	25.0	DRY	0.030
	900	0.166	24.8	0.35	0	25.0	DRY	0.030
		0.670	**100.0**					
G20	730	0.156	66.2	0.35	0	25.0	DRY	0.030
	900	0.080	33.8	0.35	0	25.0	DRY	0.030
		0.236	**100.0**					
G21	553	0.013	0.7	0.10	80	75.0	NORMAL	0.020
	714	0.797	40.7	0.35	0	25.0	DRY	0.030
	730	0.445	22.7	0.35	0	25.0	DRY	0.030
	900	0.701	35.8	0.35	0	25.0	DRY	0.030
		1.956	**99.9**					
G22	730	0.052	4.6	0.35	0	25.0	DRY	0.030
	750	0.006	0.5	0.50	0	85.0	NORMAL	0.100
	900	1.063	94.6	0.35	0	25.0	DRY	0.030
	910	0.004	0.3	0.25	45	50.0	NORMAL	0.020
		1.124	**100.0**					
G23	730	0.128	10.7	0.35	0	25.0	DRY	0.030
	750	0.001	0.1	0.50	0	85.0	NORMAL	0.100
	900	1.068	89.2	0.35	0	25.0	DRY	0.030
		1.197	**100.0**					
G24	730	0.020	5.7	0.35	0	25.0	DRY	0.030
	900	0.329	94.3	0.35	0	25.0	DRY	0.030
		0.349	**100.0**					
G25	730	0.052	14.4	0.35	0	25.0	DRY	0.030
	900	0.306	85.6	0.35	0	25.0	DRY	0.030
		0.358	**100.0**					
G26A	730	0.175	17.6	0.35	0	25.0	DRY	0.030
	900	0.822	82.4	0.35	0	25.0	DRY	0.030
		0.997	**100.0**					
G26B	730	0.157	92.6	0.35	0	25.0	DRY	0.030
	900	0.013	7.4	0.35	0	25.0	DRY	0.030
		0.170	**100.0**					
G27	110	0.033	2.3	0.30	5	30.0	NORMAL	0.050
	730	0.220	15.6	0.35	0	25.0	DRY	0.030
	900	1.155	82.0	0.35	0	25.0	DRY	0.030
		1.408	**99.9**					
G28	730	0.049	17.5	0.35	0	25.0	DRY	0.030
	900	0.233	82.5	0.35	0	25.0	DRY	0.030
		0.282	**100.0**					
G29	900	2.812	100.0	0.35	0	25.0	DRY	0.030
		2.812	**100.0**					
G30	900	3.704	100.0	0.35	0	25.0	DRY	0.030
		3.704	**100.0**					
G31	900	0.182	100.0	0.35	0	25.0	DRY	0.030
		0.182	**100.0**					
G32	900	1.142	100.0	0.35	0	25.0	DRY	0.030

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: G								
		1.142	**100.0**					
G33	900	0.744	100.0	0.35	0	25.0	DRY	0.030
		0.744	**100.0**					
G34	900	0.205	100.0	0.35	0	25.0	DRY	0.030
		0.205	**100.0**					
G35	900	0.527	100.0	0.35	0	25.0	DRY	0.030
		0.527	**100.0**					
G36	900	0.997	100.0	0.35	0	25.0	DRY	0.030
		0.997	**100.0**					
G37	900	0.408	100.0	0.35	0	25.0	DRY	0.030
		0.408	**100.0**					
G38	900	0.336	100.0	0.35	0	25.0	DRY	0.030
		0.336	**100.0**					
G39	900	0.763	100.0	0.35	0	25.0	DRY	0.030
		0.763	**100.0**					
G40	900	1.521	100.0	0.35	0	25.0	DRY	0.030
		1.521	**100.0**					
G41	900	0.423	100.0	0.35	0	25.0	DRY	0.030
		0.423	**100.0**					
G42	900	0.694	100.0	0.35	0	25.0	DRY	0.030
		0.694	**100.0**					
G43	900	2.170	100.0	0.35	0	25.0	DRY	0.030
		2.170	**100.0**					
G44	730	0.716	99.5	0.35	0	25.0	DRY	0.030
	900	0.004	0.5	0.35	0	25.0	DRY	0.030
		0.720	**100.0**					
G45	730	0.003	0.2	0.35	0	25.0	DRY	0.030
	900	1.994	99.8	0.35	0	25.0	DRY	0.030
		1.997	**100.0**					
G46	730	0.662	46.9	0.35	0	25.0	DRY	0.030
	900	0.750	53.1	0.35	0	25.0	DRY	0.030
		1.413	**100.0**					
G47	900	0.121	100.0	0.35	0	25.0	DRY	0.030
		0.121	**100.0**					
G48	730	1.909	100.0	0.35	0	25.0	DRY	0.030
	900	0.000		0.35	0	25.0	DRY	0.030
		1.909	**100.0**					

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: H								
H01	730	1.152	71.4	0.35	0	25.0	DRY	0.030
	900	0.461	28.6	0.35	0	25.0	DRY	0.030
		1.613	**100.0**					
H02	730	1.584	100.0	0.35	0	25.0	DRY	0.030
		1.584	**100.0**					
H03	730	2.186	100.0	0.35	0	25.0	DRY	0.030
		2.186	**100.0**					
H04	730	1.205	99.8	0.35	0	25.0	DRY	0.030
	900	0.003	0.2	0.35	0	25.0	DRY	0.030
		1.207	**100.0**					
H05	730	1.506	100.0	0.35	0	25.0	DRY	0.030
		1.506	**100.0**					
H06	730	1.171	95.4	0.35	0	25.0	DRY	0.030
	900	0.056	4.6	0.35	0	25.0	DRY	0.030
		1.227	**100.0**					
H07	730	0.015	2.1	0.35	0	25.0	DRY	0.030
	900	0.690	97.9	0.35	0	25.0	DRY	0.030
		0.705	**100.0**					
H08	730	0.259	30.1	0.35	0	25.0	DRY	0.030
	900	0.600	69.9	0.35	0	25.0	DRY	0.030
		0.859	**100.0**					
H09	712	0.014	1.3	0.10	5	90.0	NORMAL	0.020
	730	0.844	76.3	0.35	0	25.0	DRY	0.030
	900	0.247	22.4	0.35	0	25.0	DRY	0.030
		1.106	**100.0**					
H10	900	0.528	100.0	0.35	0	25.0	DRY	0.030
		0.528	**100.0**					
H11	900	0.273	100.0	0.35	0	25.0	DRY	0.030
		0.273	**100.0**					
H12	730	0.412	85.0	0.35	0	25.0	DRY	0.030
	900	0.073	15.0	0.35	0	25.0	DRY	0.030
		0.484	**100.0**					
H13	730	0.001	0.1	0.35	0	25.0	DRY	0.030
	900	0.519	99.9	0.35	0	25.0	DRY	0.030
		0.519	**100.0**					
H14	730	0.254	30.7	0.35	0	25.0	DRY	0.030
	900	0.574	69.3	0.35	0	25.0	DRY	0.030
		0.828	**100.0**					
H15A	730	0.346	72.4	0.35	0	25.0	DRY	0.030
	900	0.132	27.6	0.35	0	25.0	DRY	0.030
		0.478	**100.0**					
H15B	730	0.282	94.7	0.35	0	25.0	DRY	0.030
	900	0.016	5.3	0.35	0	25.0	DRY	0.030
		0.297	**100.0**					
H16	730	0.279	90.2	0.35	0	25.0	DRY	0.030
	900	0.030	9.8	0.35	0	25.0	DRY	0.030

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: H								
		0.310	**100.0**					
H17	730	0.398	87.8	0.35	0	25.0	DRY	0.030
	900	0.055	12.2	0.35	0	25.0	DRY	0.030
		0.453	**100.0**					
H18	730	0.101	23.0	0.35	0	25.0	DRY	0.030
	900	0.338	77.0	0.35	0	25.0	DRY	0.030
		0.438	**100.0**					
H20	730	0.162	32.6	0.35	0	25.0	DRY	0.030
	900	0.334	67.4	0.35	0	25.0	DRY	0.030
		0.496	**100.0**					
H22	730	1.291	88.3	0.35	0	25.0	DRY	0.030
	900	0.171	11.7	0.35	0	25.0	DRY	0.030
		1.461	**100.0**					
H23	730	0.074	10.5	0.35	0	25.0	DRY	0.030
	900	0.632	89.5	0.35	0	25.0	DRY	0.030
		0.707	**100.0**					
H24	730	0.000	0.1	0.35	0	25.0	DRY	0.030
	900	0.416	99.9	0.35	0	25.0	DRY	0.030
		0.417	**100.0**					
H25	730	0.017	5.3	0.35	0	25.0	DRY	0.030
	900	0.300	94.7	0.35	0	25.0	DRY	0.030
		0.317	**100.0**					
H26	730	0.000		0.35	0	25.0	DRY	0.030
	900	0.753	100.0	0.35	0	25.0	DRY	0.030
		0.754	**100.0**					
H27	730	0.041	10.6	0.35	0	25.0	DRY	0.030
	900	0.343	89.4	0.35	0	25.0	DRY	0.030
		0.383	**100.0**					
H28	900	0.719	100.0	0.35	0	25.0	DRY	0.030
		0.719	**100.0**					
H29	900	1.041	100.0	0.35	0	25.0	DRY	0.030
		1.041	**100.0**					
H30	161	0.008	1.6	0.25	45	50.0	NORMAL	0.030
	900	0.470	98.4	0.35	0	25.0	DRY	0.030
		0.477	**100.0**					
H31	730	0.051	13.7	0.35	0	25.0	DRY	0.030
	900	0.322	86.3	0.35	0	25.0	DRY	0.030
		0.373	**100.0**					
H32	900	0.714	100.0	0.35	0	25.0	DRY	0.030
		0.714	**100.0**					
H33	900	1.083	100.0	0.35	0	25.0	DRY	0.030
		1.083	**100.0**					
H34	900	0.407	100.0	0.35	0	25.0	DRY	0.030
		0.407	**100.0**					
H35	730	0.538	41.2	0.35	0	25.0	DRY	0.030
	900	0.767	58.8	0.35	0	25.0	DRY	0.030

* Non default value

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: H								
		1.305	**100.0**					
H36	900	0.437	100.0	0.35	0	25.0	DRY	0.030
		0.437	**100.0**					
H37	900	0.563	100.0	0.35	0	25.0	DRY	0.030
		0.563	**100.0**					
H38	900	0.481	100.0	0.35	0	25.0	DRY	0.030
		0.481	**100.0**					
H39	900	0.380	100.0	0.35	0	25.0	DRY	0.030
		0.380	**100.0**					
H40	714	0.111	23.5	0.35	0	25.0	DRY	0.030
	900	0.359	76.5	0.35	0	25.0	DRY	0.030
		0.470	**100.0**					
H41	714	0.045	15.1	0.35	0	25.0	DRY	0.030
	900	0.254	84.9	0.35	0	25.0	DRY	0.030
		0.300	**100.0**					
H42	750	0.001	0.1	0.50	0	85.0	NORMAL	0.100
	900	0.442	99.9	0.35	0	25.0	DRY	0.030
		0.442	**100.0**					
H43	750	0.001	0.6	0.50	0	85.0	NORMAL	0.100
	900	0.219	99.4	0.35	0	25.0	DRY	0.030
		0.220	**100.0**					
H44	750	0.006	1.1	0.50	0	85.0	NORMAL	0.100
	900	0.548	98.9	0.35	0	25.0	DRY	0.030
		0.554	**100.0**					
H45	750	0.001	0.2	0.50	0	85.0	NORMAL	0.100
	900	0.278	99.8	0.35	0	25.0	DRY	0.030
		0.279	**100.0**					
H46	750	0.001	0.3	0.50	0	85.0	NORMAL	0.100
	900	0.315	99.7	0.35	0	25.0	DRY	0.030
		0.315	**100.0**					
H47	750	0.000		0.50	0	85.0	NORMAL	0.100
	900	0.383	100.0	0.35	0	25.0	DRY	0.030
		0.383	**100.0**					
H48	900	0.334	100.0	0.35	0	25.0	DRY	0.030
		0.334	**100.0**					
H49	900	0.478	100.0	0.35	0	25.0	DRY	0.030
		0.478	**100.0**					
H50	900	0.625	100.0	0.35	0	25.0	DRY	0.030
		0.625	**100.0**					
H51	900	0.304	100.0	0.35	0	25.0	DRY	0.030
		0.304	**100.0**					
H52	900	0.225	100.0	0.35	0	25.0	DRY	0.030
		0.225	**100.0**					
H53	900	0.386	100.0	0.35	0	25.0	DRY	0.030

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: H								
		0.386	**100.0**					
H54	900	0.213	100.0	0.35	0	25.0	DRY	0.030
		0.213	**100.0**					
H55	900	0.339	100.0	0.35	0	25.0	DRY	0.030
		0.339	**100.0**					
H56	900	0.395	100.0	0.35	0	25.0	DRY	0.030
		0.395	**100.0**					
H57	900	0.421	100.0	0.35	0	25.0	DRY	0.030
		0.421	**100.0**					
H58	900	0.306	100.0	0.35	0	25.0	DRY	0.030
		0.306	**100.0**					
H59	900	0.386	100.0	0.35	0	25.0	DRY	0.030
		0.386	**100.0**					
H60	900	0.551	100.0	0.35	0	25.0	DRY	0.030
		0.551	**100.0**					
H61	900	0.473	100.0	0.35	0	25.0	DRY	0.030
		0.473	**100.0**					
H62	900	0.494	100.0	0.35	0	25.0	DRY	0.030
		0.494	**100.0**					
H63	900	0.167	100.0	0.35	0	25.0	DRY	0.030
		0.167	**100.0**					
H65	900	0.416	100.0	0.35	0	25.0	DRY	0.030
		0.416	**100.0**					
H66	900	0.722	100.0	0.35	0	25.0	DRY	0.030
		0.722	**100.0**					
H67	900	0.186	100.0	0.35	0	25.0	DRY	0.030
		0.186	**100.0**					
H68	900	0.339	100.0	0.35	0	25.0	DRY	0.030
		0.339	**100.0**					
H69	900	0.530	100.0	0.35	0	25.0	DRY	0.030
		0.530	**100.0**					
H70	110	0.047	9.6	0.30	5	30.0	NORMAL	0.050
	730	0.000	0.1	0.35	0	25.0	DRY	0.030
	900	0.445	90.3	0.35	0	25.0	DRY	0.030
		0.493	**100.0**					
H71	900	0.648	100.0	0.35	0	25.0	DRY	0.030
		0.648	**100.0**					
H72	730	0.096	22.6	0.35	0	25.0	DRY	0.030
	900	0.327	77.4	0.35	0	25.0	DRY	0.030
		0.422	**100.0**					
H73	750	0.000		0.50	0	85.0	NORMAL	0.100
	900	0.290	100.0	0.35	0	25.0	DRY	0.030
		0.290	**100.0**					

* Non default value

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: H								
H74	730	0.058	7.2	0.35	0	25.0	DRY	0.030
	750	0.011	1.3	0.50	0	85.0	NORMAL	0.100
	900	0.734	91.5	0.35	0	25.0	DRY	0.030
		0.802	**100.0**					
H75	713	0.740	99.0	0.10	5	5.0	NORMAL	0.020
	900	0.007	1.0	0.35	0	25.0	DRY	0.030
		0.747	**100.0**					
H76	750	0.006	0.7	0.50	0	85.0	NORMAL	0.100
	900	0.747	99.3	0.35	0	25.0	DRY	0.030
		0.752	**100.0**					
H77	713	0.019	6.8	0.10	5	5.0	NORMAL	0.020
	900	0.255	93.2	0.35	0	25.0	DRY	0.030
		0.273	**100.0**					
H78	714	0.480	98.2	0.35	0	25.0	DRY	0.030
	900	0.009	1.8	0.35	0	25.0	DRY	0.030
		0.489	**100.0**					
H79	713	0.492	97.8	0.10	5	5.0	NORMAL	0.020
	900	0.011	2.2	0.35	0	25.0	DRY	0.030
		0.503	**100.0**					
H80	110	0.000		0.30	5	30.0	NORMAL	0.050
	730	0.056	12.2	0.35	0	25.0	DRY	0.030
	750	0.289	63.1	0.50	0	85.0	NORMAL	0.100
	900	0.113	24.7	0.35	0	25.0	DRY	0.030
		0.458	**100.0**					
H81	713	0.243	100.0	0.10	5	5.0	NORMAL	0.020
		0.243	**100.0**					
H82	140	0.000	0.1	0.25	30	50.0	NORMAL	0.050
	713	0.501	99.9	0.10	5	5.0	NORMAL	0.020
		0.502	**100.0**					
H83	730	0.013	2.0	0.35	0	25.0	DRY	0.030
	750	0.646	98.0	0.50	0	85.0	NORMAL	0.100
		0.660	**100.0**					
H84	713	0.745	98.5	0.10	5	5.0	NORMAL	0.020
	900	0.011	1.5	0.35	0	25.0	DRY	0.030
		0.756	**100.0**					
H85	713	0.976	100.0	0.10	5	5.0	NORMAL	0.020
		0.976	**100.0**					
H86	713	1.049	97.3	0.10	5	5.0	NORMAL	0.020
	730	0.029	2.7	0.35	0	25.0	DRY	0.030
		1.077	**100.0**					

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: I								
I03	712	0.015	1.5	0.10	5	90.0	NORMAL	0.020
	730	0.699	73.1	0.35	0	25.0	DRY	0.030
	900	0.243	25.4	0.35	0	25.0	DRY	0.030
		0.957	**100.0**					
I04	900	0.394	100.0	0.35	0	25.0	DRY	0.030
		0.394	**100.0**					
I05	900	0.217	100.0	0.35	0	25.0	DRY	0.030
		0.217	**100.0**					
I06	900	0.499	100.0	0.35	0	25.0	DRY	0.030
		0.499	**100.0**					
I07	900	0.194	100.0	0.35	0	25.0	DRY	0.030
		0.194	**100.0**					
I08	750	0.002	0.3	0.50	0	85.0	NORMAL	0.100
	900	0.788	99.7	0.35	0	25.0	DRY	0.030
		0.791	**100.0**					
I09	900	0.315	100.0	0.35	0	25.0	DRY	0.030
		0.315	**100.0**					
I10	750	0.009	1.8	0.50	0	85.0	NORMAL	0.100
	900	0.488	98.2	0.35	0	25.0	DRY	0.030
		0.497	**100.0**					
I11	714	0.149	51.7	0.35	0	25.0	DRY	0.030
	900	0.139	48.3	0.35	0	25.0	DRY	0.030
		0.289	**100.0**					
I12	713	0.509	100.0	0.10	5	5.0	NORMAL	0.020
	900	0.000		0.35	0	25.0	DRY	0.030
		0.509	**100.0**					
I13	713	0.519	100.0	0.10	5	5.0	NORMAL	0.020
		0.519	**100.0**					
I14	713	0.181	75.7	0.10	5	5.0	NORMAL	0.020
	730	0.058	24.3	0.35	0	25.0	DRY	0.030
		0.240	**100.0**					
I15A	900	0.402	100.0	0.35	0	25.0	DRY	0.030
		0.402	**100.0**					
I15B	730	0.192	58.4	0.35	0	25.0	DRY	0.030
	900	0.137	41.6	0.35	0	25.0	DRY	0.030
		0.328	**100.0**					
I16	730	0.160	32.6	0.35	0	25.0	DRY	0.030
	900	0.330	67.4	0.35	0	25.0	DRY	0.030
		0.490	**100.0**					
I17A	900	0.108	100.0	0.35	0	25.0	DRY	0.030
		0.108	**100.0**					
I17B	900	0.088	100.0	0.35	0	25.0	DRY	0.030
		0.088	**100.0**					
I17C	730	0.120	73.6	0.35	0	25.0	DRY	0.030
	900	0.043	26.4	0.35	0	25.0	DRY	0.030

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: I								
		0.163	**100.0**					
I18	900	0.664	100.0	0.35	0	25.0	DRY	0.030
		0.664	**100.0**					
I19	714	0.025	6.9	0.35	0	25.0	DRY	0.030
	900	0.330	93.1	0.35	0	25.0	DRY	0.030
		0.354	**100.0**					
I20	714	0.549	88.6	0.35	0	25.0	DRY	0.030
	900	0.071	11.4	0.35	0	25.0	DRY	0.030
		0.619	**100.0**					
I21	713	0.350	74.5	0.10	5	5.0	NORMAL	0.020
	900	0.120	25.5	0.35	0	25.0	DRY	0.030
		0.469	**100.0**					
I22	713	0.383	99.5	0.10	5	5.0	NORMAL	0.020
	730	0.000		0.35	0	25.0	DRY	0.030
	900	0.002	0.5	0.35	0	25.0	DRY	0.030
		0.385	**100.0**					
I23	712	0.024	5.6	0.10	5	90.0	NORMAL	0.020
	730	0.398	93.9	0.35	0	25.0	DRY	0.030
	900	0.002	0.5	0.35	0	25.0	DRY	0.030
		0.424	**100.0**					
I24	730	0.039	22.2	0.35	0	25.0	DRY	0.030
	900	0.138	77.8	0.35	0	25.0	DRY	0.030
		0.177	**100.0**					
I25	730	0.036	11.5	0.35	0	25.0	DRY	0.030
	900	0.274	88.5	0.35	0	25.0	DRY	0.030
		0.309	**100.0**					
I26A	730	0.008	1.4	0.35	0	25.0	DRY	0.030
	900	0.568	98.6	0.35	0	25.0	DRY	0.030
		0.576	**100.0**					
I26B	730	0.050	82.5	0.35	0	25.0	DRY	0.030
	900	0.011	17.5	0.35	0	25.0	DRY	0.030
		0.061	**100.0**					
I27	900	0.403	100.0	0.35	0	25.0	DRY	0.030
		0.403	**100.0**					
I28	900	0.442	100.0	0.35	0	25.0	DRY	0.030
		0.442	**100.0**					
I29	900	0.373	100.0	0.35	0	25.0	DRY	0.030
		0.373	**100.0**					
I30	750	0.000	0.1	0.50	0	85.0	NORMAL	0.100
	900	0.422	99.9	0.35	0	25.0	DRY	0.030
		0.423	**100.0**					
I31	900	0.361	100.0	0.35	0	25.0	DRY	0.030
		0.361	**100.0**					
I32	713	0.497	98.3	0.10	5	5.0	NORMAL	0.020
	900	0.009	1.7	0.35	0	25.0	DRY	0.030
		0.506	**100.0**					

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: I								
I33	713	0.500	99.2	0.10	5	5.0	NORMAL	0.020
	900	0.004	0.8	0.35	0	25.0	DRY	0.030
		0.504	**100.0**					
I34	713	0.255	50.0	0.10	5	5.0	NORMAL	0.020
	730	0.000		0.35	0	25.0	DRY	0.030
	750	0.255	50.0	0.50	0	85.0	NORMAL	0.100
	900	0.000		0.35	0	25.0	DRY	0.030
		0.510	**100.0**					
I35	713	0.405	79.9	0.10	5	5.0	NORMAL	0.020
	750	0.102	20.1	0.50	0	85.0	NORMAL	0.100
	900	0.000		0.35	0	25.0	DRY	0.030
		0.507	**100.0**					
I36	713	0.092	47.2	0.10	5	5.0	NORMAL	0.020
	730	0.102	52.8	0.35	0	25.0	DRY	0.030
		0.194	**100.0**					
I37	713	0.344	83.9	0.10	5	5.0	NORMAL	0.020
	730	0.066	16.0	0.35	0	25.0	DRY	0.030
	900	0.000		0.35	0	25.0	DRY	0.030
		0.409	**99.9**					
I38	712	0.040	34.8	0.10	5	90.0	NORMAL	0.020
	730	0.043	37.5	0.35	0	25.0	DRY	0.030
	900	0.032	27.6	0.35	0	25.0	DRY	0.030
		0.115	**99.9**					
I39	900	0.217	100.0	0.35	0	25.0	DRY	0.030
		0.217	**100.0**					
I40	900	0.408	100.0	0.35	0	25.0	DRY	0.030
		0.408	**100.0**					
I41	900	0.476	100.0	0.35	0	25.0	DRY	0.030
		0.476	**100.0**					
I42	714	0.419	99.3	0.35	0	25.0	DRY	0.030
	900	0.003	0.7	0.35	0	25.0	DRY	0.030
		0.422	**100.0**					
I43	750	0.005	1.2	0.50	0	85.0	NORMAL	0.100
	900	0.427	98.8	0.35	0	25.0	DRY	0.030
		0.432	**100.0**					
I44A	712	0.337	51.6	0.10	5	90.0	NORMAL	0.020
	730	0.246	37.6	0.35	0	25.0	DRY	0.030
	900	0.070	10.8	0.35	0	25.0	DRY	0.030
		0.653	**100.0**					
I44B	712	0.184	99.1	0.10	5	90.0	NORMAL	0.020
	730	0.002	0.9	0.35	0	25.0	DRY	0.030
		0.186	**100.0**					
I45	712	0.048	13.7	0.10	5	90.0	NORMAL	0.020
	900	0.303	86.3	0.35	0	25.0	DRY	0.030
		0.351	**100.0**					
I46	730	0.002	0.5	0.35	0	25.0	DRY	0.030
	900	0.457	99.5	0.35	0	25.0	DRY	0.030
		0.460	**100.0**					

* Non default value

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: I								
I47	714	0.347	99.4	0.35	0	25.0	DRY	0.030
	900	0.002	0.6	0.35	0	25.0	DRY	0.030
		0.349	**100.0**					
I48	750	0.005	1.6	0.50	0	85.0	NORMAL	0.100
	900	0.332	98.4	0.35	0	25.0	DRY	0.030
		0.338	**100.0**					
I49	713	0.273	71.3	0.10	5	5.0	NORMAL	0.020
	900	0.110	28.7	0.35	0	25.0	DRY	0.030
		0.383	**100.0**					
I50	713	0.590	98.2	0.10	5	5.0	NORMAL	0.020
	730	0.001	0.1	0.35	0	25.0	DRY	0.030
	900	0.010	1.7	0.35	0	25.0	DRY	0.030
		0.600	**100.0**					
I51	712	0.058	40.2	0.10	5	90.0	NORMAL	0.020
	730	0.086	59.8	0.35	0	25.0	DRY	0.030
		0.144	**100.0**					
I52	712	0.274	86.1	0.10	5	90.0	NORMAL	0.020
	730	0.044	13.9	0.35	0	25.0	DRY	0.030
		0.318	**100.0**					
I53	712	0.418	81.2	0.10	5	90.0	NORMAL	0.020
	730	0.097	18.8	0.35	0	25.0	DRY	0.030
		0.515	**100.0**					
I54	712	0.338	96.1	0.10	5	90.0	NORMAL	0.020
	730	0.014	3.9	0.35	0	25.0	DRY	0.030
		0.352	**100.0**					
I55	712	0.051	20.6	0.10	5	90.0	NORMAL	0.020
	730	0.094	37.6	0.35	0	25.0	DRY	0.030
	900	0.104	41.8	0.35	0	25.0	DRY	0.030
		0.249	**100.0**					
I56	712	0.131	30.3	0.10	5	90.0	NORMAL	0.020
	730	0.117	27.0	0.35	0	25.0	DRY	0.030
	900	0.184	42.6	0.35	0	25.0	DRY	0.030
		0.432	**99.9**					
I57	714	0.023	12.0	0.35	0	25.0	DRY	0.030
	730	0.027	14.4	0.35	0	25.0	DRY	0.030
	900	0.140	73.6	0.35	0	25.0	DRY	0.030
		0.190	**100.0**					
I58A	730	0.032	24.9	0.35	0	25.0	DRY	0.030
	900	0.097	75.1	0.35	0	25.0	DRY	0.030
		0.129	**100.0**					
I58B	730	0.027	4.7	0.35	0	25.0	DRY	0.030
	900	0.558	95.3	0.35	0	25.0	DRY	0.030
		0.585	**100.0**					
I59	730	0.002	1.6	0.35	0	25.0	DRY	0.030
	900	0.098	98.4	0.35	0	25.0	DRY	0.030
		0.099	**100.0**					
I60A	555	0.002	0.2	0.35	80	75.0	NORMAL	0.020
	730	0.005	0.5	0.35	0	25.0	DRY	0.030
	750	0.002	0.2	0.50	0	85.0	NORMAL	0.100

Flood Control District of Maricopa County
Drainage Design Management System
LAND USE
Project Reference: SUB BASIN I

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: I								
I60A	900	0.609	62.4	0.35	0	25.0	DRY	0.030
	910	0.359	36.7	0.25	45	50.0	NORMAL	0.020
		0.977	**100.0**					
I60B	730	0.068	66.2	0.35	0	25.0	DRY	0.030
	900	0.035	33.8	0.35	0	25.0	DRY	0.030
		0.102	**100.0**					
I60C	714	0.020	7.3	0.35	0	25.0	DRY	0.030
	900	0.250	92.7	0.35	0	25.0	DRY	0.030
	910	0.000		0.25	45	50.0	NORMAL	0.020
		0.270	**100.0**					
I61	555	0.000	0.1	0.35	80	75.0	NORMAL	0.020
	714	0.135	53.8	0.35	0	25.0	DRY	0.030
	730	0.009	3.7	0.35	0	25.0	DRY	0.030
	900	0.106	42.4	0.35	0	25.0	DRY	0.030
		0.250	**100.0**					
I62	110	0.015	3.6	0.30	5	30.0	NORMAL	0.050
	120	0.001	0.2	0.30	5	20.0	NORMAL	0.050
	714	0.108	25.5	0.35	0	25.0	DRY	0.030
	730	0.094	22.2	0.35	0	25.0	DRY	0.030
	900	0.205	48.6	0.35	0	25.0	DRY	0.030
		0.423	**100.1**					
I63	110	0.058	19.7	0.30	5	30.0	NORMAL	0.050
	120	0.003	1.0	0.30	5	20.0	NORMAL	0.050
	161	0.054	18.5	0.25	45	50.0	NORMAL	0.030
	900	0.131	44.8	0.35	0	25.0	DRY	0.030
	910	0.047	16.0	0.25	45	50.0	NORMAL	0.020
		0.293	**100.0**					
I64	730	0.018	6.9	0.35	0	25.0	DRY	0.030
	900	0.144	53.7	0.35	0	25.0	DRY	0.030
	910	0.105	39.4	0.25	45	50.0	NORMAL	0.020
		0.267	**100.0**					
I65	730	0.077	25.1	0.35	0	25.0	DRY	0.030
	750	0.000	0.1	0.50	0	85.0	NORMAL	0.100
	900	0.196	64.0	0.35	0	25.0	DRY	0.030
	910	0.033	10.9	0.25	45	50.0	NORMAL	0.020
		0.307	**100.1**					
I66	714	0.102	11.3	0.35	0	25.0	DRY	0.030
	730	0.254	28.1	0.35	0	25.0	DRY	0.030
	900	0.466	51.4	0.35	0	25.0	DRY	0.030
	910	0.084	9.3	0.25	45	50.0	NORMAL	0.020
		0.907	**100.1**					
I67	714	0.151	15.6	0.35	0	25.0	DRY	0.030
	730	0.140	14.4	0.35	0	25.0	DRY	0.030
	900	0.679	70.0	0.35	0	25.0	DRY	0.030
		0.970	**100.0**					
I68	730	0.058	19.8	0.35	0	25.0	DRY	0.030
	900	0.234	80.2	0.35	0	25.0	DRY	0.030
		0.292	**100.0**					
I69	900	0.173	100.0	0.35	0	25.0	DRY	0.030
		0.173	**100.0**					
I70	110	0.008	2.3	0.30	5	30.0	NORMAL	0.050

* Non default value

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: I								
I70	120	0.001	0.1	0.30	5	20.0	NORMAL	0.050
	161	0.005	1.4	0.25	45	50.0	NORMAL	0.030
	900	0.354	96.2	0.35	0	25.0	DRY	0.030
		0.368	**100.0**					
I71	900	0.421	100.0	0.35	0	25.0	DRY	0.030
		0.421	**100.0**					
I72	730	0.037	17.8	0.35	0	25.0	DRY	0.030
	900	0.151	73.3	0.35	0	25.0	DRY	0.030
	900	0.018	8.9	0.35	0	25.0	DRY	0.030
		0.206	**100.0**					

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: J								
J01	712	7.115	99.0	0.10	5	90.0	NORMAL	0.020
	730	0.069	1.0	0.35	0	25.0	DRY	0.030
		7.184	**100.0**					
J04	712	0.394	100.0	0.10	5	90.0	NORMAL	0.020
		0.394	**100.0**					
J06	712	0.369	100.0	0.10	5	90.0	NORMAL	0.020
		0.369	**100.0**					
J07	712	0.356	78.7	0.10	5	90.0	NORMAL	0.020
	900	0.097	21.3	0.35	0	25.0	DRY	0.030
		0.453	**100.0**					
J08	712	0.096	100.0	0.10	5	90.0	NORMAL	0.020
		0.096	**100.0**					
J10	712	0.051	17.4	0.10	5	90.0	NORMAL	0.020
	730	0.018	6.1	0.35	0	25.0	DRY	0.030
	900	0.226	76.5	0.35	0	25.0	DRY	0.030
		0.295	**100.0**					
J11	730	0.024	9.7	0.35	0	25.0	DRY	0.030
	900	0.220	90.3	0.35	0	25.0	DRY	0.030
		0.244	**100.0**					
J12	712	0.262	63.7	0.10	5	90.0	NORMAL	0.020
	730	0.000		0.35	0	25.0	DRY	0.030
	900	0.149	36.3	0.35	0	25.0	DRY	0.030
		0.411	**100.0**					
J13	712	0.691	80.4	0.10	5	90.0	NORMAL	0.020
	730	0.045	5.3	0.35	0	25.0	DRY	0.030
	900	0.123	14.3	0.35	0	25.0	DRY	0.030
		0.860	**100.0**					
J14	712	1.352	63.6	0.10	5	90.0	NORMAL	0.020
	730	0.358	16.8	0.35	0	25.0	DRY	0.030
	900	0.417	19.6	0.35	0	25.0	DRY	0.030
		2.126	**100.0**					
J15	900	0.576	100.0	0.35	0	25.0	DRY	0.030
		0.576	**100.0**					
J16	730	0.004	1.5	0.35	0	25.0	DRY	0.030
	900	0.264	98.2	0.35	0	25.0	DRY	0.030
	910	0.001	0.3	0.25	45	50.0	NORMAL	0.020
		0.269	**100.0**					
J17	730	0.175	33.5	0.35	0	25.0	DRY	0.030
	900	0.345	66.1	0.35	0	25.0	DRY	0.030
	910	0.002	0.3	0.25	45	50.0	NORMAL	0.020
		0.522	**99.9**					
J18	150	0.001	0.1	0.25	35	50.0	NORMAL	0.040
	521	0.067	7.9	0.35	45	80.0	NORMAL	0.020
	555	0.001	0.1	0.35	80	75.0	NORMAL	0.020
	712	0.086	10.0	0.10	5	90.0	NORMAL	0.020
	730	0.215	25.1	0.35	0	25.0	DRY	0.030
	900	0.484	56.4	0.35	0	25.0	DRY	0.030
	910	0.003	0.4	0.25	45	50.0	NORMAL	0.020
		0.857	**100.0**					

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: J								
J19	150	0.001	0.9	0.25	35	50.0	NORMAL	0.040
	521	0.004	3.7	0.35	45	80.0	NORMAL	0.020
	730	0.026	25.0	0.35	0	25.0	DRY	0.030
	900	0.073	70.3	0.35	0	25.0	DRY	0.030
	910	0.000	0.1	0.25	45	50.0	NORMAL	0.020
		0.104	**100.0**					
J20	730	0.127	17.8	0.35	0	25.0	DRY	0.030
	900	0.118	16.4	0.35	0	25.0	DRY	0.030
	910	0.471	65.8	0.25	45	50.0	NORMAL	0.020
		0.715	**100.0**					
J21	140	0.003	1.2	0.25	30	50.0	NORMAL	0.050
	150	0.023	9.2	0.25	35	50.0	NORMAL	0.040
	555	0.012	4.7	0.35	80	75.0	NORMAL	0.020
	730	0.011	4.3	0.35	0	25.0	DRY	0.030
	900	0.004	1.4	0.35	0	25.0	DRY	0.030
	910	0.175	69.5	0.25	45	50.0	NORMAL	0.020
	950	0.024	9.6	0.25	45	50.0	NORMAL	0.020
		0.251	**99.9**					
J22	140	0.024	1.6	0.25	30	50.0	NORMAL	0.050
	150	0.032	2.1	0.25	35	50.0	NORMAL	0.040
	555	0.007	0.4	0.35	80	75.0	NORMAL	0.020
	720	0.318	21.1	0.20	5	90.0	NORMAL	0.100
	730	0.240	16.0	0.35	0	25.0	DRY	0.030
	900	0.631	42.0	0.35	0	25.0	DRY	0.030
	910	0.252	16.8	0.25	45	50.0	NORMAL	0.020
		1.503	**100.0**					
J23	140	0.013	4.1	0.25	30	50.0	NORMAL	0.050
	150	0.130	42.3	0.25	35	50.0	NORMAL	0.040
	553	0.004	1.2	0.10	80	75.0	NORMAL	0.020
	720	0.004	1.2	0.20	5	90.0	NORMAL	0.100
	730	0.098	31.9	0.35	0	25.0	DRY	0.030
	900	0.047	15.4	0.35	0	25.0	DRY	0.030
	910	0.012	3.9	0.25	45	50.0	NORMAL	0.020
		0.308	**100.0**					
J24	150	0.001	0.4	0.25	35	50.0	NORMAL	0.040
	730	0.028	14.4	0.35	0	25.0	DRY	0.030
	900	0.164	85.2	0.35	0	25.0	DRY	0.030
		0.193	**100.0**					
J25	712	0.228	44.0	0.10	5	90.0	NORMAL	0.020
	730	0.145	27.9	0.35	0	25.0	DRY	0.030
	900	0.145	28.1	0.35	0	25.0	DRY	0.030
		0.518	**100.0**					
J26	712	0.515	100.0	0.10	5	90.0	NORMAL	0.020
		0.515	**100.0**					
J27	110	0.034	2.4	0.30	5	30.0	NORMAL	0.050
	120	0.794	56.1	0.30	5	20.0	NORMAL	0.050
	130	0.101	7.1	0.30	15	50.0	NORMAL	0.050
	210	0.015	1.1	0.10	80	65.0	NORMAL	0.020
	532	0.019	1.4	0.35	80	75.0	NORMAL	0.020
	900	0.259	18.3	0.35	0	25.0	DRY	0.030
	910	0.195	13.7	0.25	45	50.0	NORMAL	0.020
		1.417	**100.1**					
J28	110	0.039	4.1	0.30	5	30.0	NORMAL	0.050
	120	0.186	19.6	0.30	5	20.0	NORMAL	0.050

* Non default value

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: J								
J28	130	0.018	1.9	0.30	15	50.0	NORMAL	0.050
	161	0.007	0.7	0.25	45	50.0	NORMAL	0.030
	550	0.009	1.0	0.10	80	75.0	NORMAL	0.020
	730	0.076	8.0	0.35	0	25.0	DRY	0.030
	900	0.525	55.3	0.35	0	25.0	DRY	0.030
	910	0.090	9.4	0.25	45	50.0	NORMAL	0.020
		0.950	**100.0**					
J29A	140	0.145	42.6	0.25	30	50.0	NORMAL	0.050
	150	0.039	11.5	0.25	35	50.0	NORMAL	0.040
	712	0.006	1.9	0.10	5	90.0	NORMAL	0.020
	730	0.114	33.5	0.35	0	25.0	DRY	0.030
	900	0.036	10.6	0.35	0	25.0	DRY	0.030
		0.340	**100.1**					
J29B	150	0.017	11.7	0.25	35	50.0	NORMAL	0.040
	160	0.004	2.8	0.25	40	50.0	NORMAL	0.020
	210	0.004	3.0	0.10	80	65.0	NORMAL	0.020
	712	0.005	3.4	0.10	5	90.0	NORMAL	0.020
	730	0.039	27.0	0.35	0	25.0	DRY	0.030
	900	0.076	52.0	0.35	0	25.0	DRY	0.030
		0.146	**99.9**					
J29C	140	0.009	0.9	0.25	30	50.0	NORMAL	0.050
	150	0.037	3.7	0.25	35	50.0	NORMAL	0.040
	210	0.005	0.5	0.10	80	65.0	NORMAL	0.020
	552	0.008	0.7	0.10	80	75.0	NORMAL	0.020
	553	0.013	1.2	0.10	80	75.0	NORMAL	0.020
	712	0.104	10.4	0.10	5	90.0	NORMAL	0.020
	730	0.255	25.5	0.35	0	25.0	DRY	0.030
	900	0.565	56.5	0.35	0	25.0	DRY	0.030
	920	0.006	0.6	0.25	45	50.0	NORMAL	0.020
		1.002	**100.0**					
J29D	130	0.008	1.9	0.30	15	50.0	NORMAL	0.050
	140	0.105	24.3	0.25	30	50.0	NORMAL	0.050
	150	0.037	8.6	0.25	35	50.0	NORMAL	0.040
	160	0.009	2.1	0.25	40	50.0	NORMAL	0.020
	712	0.078	18.1	0.10	5	90.0	NORMAL	0.020
	730	0.095	22.0	0.35	0	25.0	DRY	0.030
	900	0.044	10.1	0.35	0	25.0	DRY	0.030
	910	0.056	12.9	0.25	45	50.0	NORMAL	0.020
		0.434	**100.0**					
J30	730	0.277	83.2	0.35	0	25.0	DRY	0.030
	900	0.056	16.8	0.35	0	25.0	DRY	0.030
		0.333	**100.0**					
J31	712	0.145	31.9	0.10	5	90.0	NORMAL	0.020
	730	0.138	30.4	0.35	0	25.0	DRY	0.030
	900	0.171	37.7	0.35	0	25.0	DRY	0.030
		0.454	**100.0**					
J32	130	0.009	2.7	0.30	15	50.0	NORMAL	0.050
	712	0.060	18.4	0.10	5	90.0	NORMAL	0.020
	730	0.051	15.7	0.35	0	25.0	DRY	0.030
	900	0.205	63.3	0.35	0	25.0	DRY	0.030
		0.324	**100.1**					
J33	130	0.025	1.9	0.30	15	50.0	NORMAL	0.050
	712	1.027	76.8	0.10	5	90.0	NORMAL	0.020
	730	0.049	3.6	0.35	0	25.0	DRY	0.030
	900	0.234	17.5	0.35	0	25.0	DRY	0.030

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: J								
J33	910	0.003	0.2	0.25	45	50.0	NORMAL	0.020
		1.338	**100.0**					
J34	712	0.446	98.2	0.10	5	90.0	NORMAL	0.020
	730	0.008	1.8	0.35	0	25.0	DRY	0.030
		0.454	**100.0**					
J35	712	0.603	90.1	0.10	5	90.0	NORMAL	0.020
	730	0.063	9.5	0.35	0	25.0	DRY	0.030
	750	0.003	0.4	0.50	0	85.0	NORMAL	0.100
		0.669	**100.0**					
J36	110	0.062	11.8	0.30	5	30.0	NORMAL	0.050
	120	0.289	54.9	0.30	5	20.0	NORMAL	0.050
	130	0.009	1.7	0.30	15	50.0	NORMAL	0.050
	203	0.001	0.2	0.10	80	75.0	NORMAL	0.020
	532	0.003	0.6	0.35	80	75.0	NORMAL	0.020
	900	0.118	22.4	0.35	0	25.0	DRY	0.030
	910	0.044	8.3	0.25	45	50.0	NORMAL	0.020
		0.526	**99.9**					
J37	110	0.030	3.7	0.30	5	30.0	NORMAL	0.050
	120	0.225	27.7	0.30	5	20.0	NORMAL	0.050
	130	0.062	7.6	0.30	15	50.0	NORMAL	0.050
	161	0.005	0.6	0.25	45	50.0	NORMAL	0.030
	521	0.001	0.1	0.35	45	80.0	NORMAL	0.020
	532	0.004	0.5	0.35	80	75.0	NORMAL	0.020
	553	0.000		0.10	80	75.0	NORMAL	0.020
	900	0.457	56.2	0.35	0	25.0	DRY	0.030
	910	0.030	3.6	0.25	45	50.0	NORMAL	0.020
		0.813	**100.0**					
J38	120	0.206	9.9	0.30	5	20.0	NORMAL	0.050
	130	0.017	0.8	0.30	15	50.0	NORMAL	0.050
	161	0.086	4.1	0.25	45	50.0	NORMAL	0.030
	521	0.032	1.5	0.35	45	80.0	NORMAL	0.020
	713	0.787	37.9	0.10	5	5.0	NORMAL	0.020
	900	0.863	41.5	0.35	0	25.0	DRY	0.030
	910	0.088	4.2	0.25	45	50.0	NORMAL	0.020
		2.079	**99.9**					
J39	120	0.123	11.8	0.30	5	20.0	NORMAL	0.050
	130	0.061	5.8	0.30	15	50.0	NORMAL	0.050
	161	0.081	7.7	0.25	45	50.0	NORMAL	0.030
	210	0.005	0.4	0.10	80	65.0	NORMAL	0.020
	555	0.000		0.35	80	75.0	NORMAL	0.020
	714	0.066	6.3	0.35	0	25.0	DRY	0.030
	730	0.028	2.7	0.35	0	25.0	DRY	0.030
	740	0.005	0.4	0.00	0	0.0	WET	0.020
	900	0.605	57.9	0.35	0	25.0	DRY	0.030
	910	0.071	6.8	0.25	45	50.0	NORMAL	0.020
		1.046	**99.8**					
J40	120	0.002	0.2	0.30	5	20.0	NORMAL	0.050
	130	0.013	1.4	0.30	15	50.0	NORMAL	0.050
	140	0.036	4.0	0.25	30	50.0	NORMAL	0.050
	150	0.004	0.4	0.25	35	50.0	NORMAL	0.040
	730	0.097	10.7	0.35	0	25.0	DRY	0.030
	900	0.636	70.7	0.35	0	25.0	DRY	0.030
	910	0.112	12.5	0.25	45	50.0	NORMAL	0.020
		0.900	**99.9**					
J41	740	0.108	59.5	0.00	0	0.0	WET	0.020

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: J								
J41	900	0.074	40.5	0.35	0	25.0	DRY	0.030
		0.182	**100.0**					
J42	730	0.024	12.1	0.35	0	25.0	DRY	0.030
	740	0.011	5.6	0.00	0	0.0	WET	0.020
	900	0.165	82.3	0.35	0	25.0	DRY	0.030
		0.201	**100.0**					
J43A	140	0.022	5.9	0.25	30	50.0	NORMAL	0.050
	150	0.040	11.0	0.25	35	50.0	NORMAL	0.040
	553	0.012	3.1	0.10	80	75.0	NORMAL	0.020
	730	0.088	24.0	0.35	0	25.0	DRY	0.030
	740	0.000		0.00	0	0.0	WET	0.020
	900	0.100	27.5	0.35	0	25.0	DRY	0.030
	910	0.104	28.5	0.25	45	50.0	NORMAL	0.020
		0.365	**100.0**					
J43B	140	0.022	20.2	0.25	30	50.0	NORMAL	0.050
	150	0.041	37.7	0.25	35	50.0	NORMAL	0.040
	730	0.040	37.2	0.35	0	25.0	DRY	0.030
	900	0.005	5.0	0.35	0	25.0	DRY	0.030
		0.108	**100.1**					
J43C	150	0.031	25.0	0.25	35	50.0	NORMAL	0.040
	712	0.017	13.8	0.10	5	90.0	NORMAL	0.020
	730	0.050	41.2	0.35	0	25.0	DRY	0.030
	900	0.023	18.6	0.35	0	25.0	DRY	0.030
	910	0.002	1.4	0.25	45	50.0	NORMAL	0.020
		0.122	**100.0**					
J44	140	0.002	1.4	0.25	30	50.0	NORMAL	0.050
	150	0.014	9.5	0.25	35	50.0	NORMAL	0.040
	900	0.113	76.6	0.35	0	25.0	DRY	0.030
	910	0.019	12.6	0.25	45	50.0	NORMAL	0.020
		0.147	**100.1**					
J45	140	0.010	3.0	0.25	30	50.0	NORMAL	0.050
	150	0.022	6.9	0.25	35	50.0	NORMAL	0.040
	730	0.046	14.2	0.35	0	25.0	DRY	0.030
	750	0.000		0.50	0	85.0	NORMAL	0.100
	900	0.196	60.7	0.35	0	25.0	DRY	0.030
	910	0.049	15.1	0.25	45	50.0	NORMAL	0.020
		0.322	**99.9**					
J46	730	0.110	19.5	0.35	0	25.0	DRY	0.030
	750	0.009	1.5	0.50	0	85.0	NORMAL	0.100
	900	0.434	77.0	0.35	0	25.0	DRY	0.030
	910	0.011	1.9	0.25	45	50.0	NORMAL	0.020
		0.564	**99.9**					
J47	730	0.032	7.1	0.35	0	25.0	DRY	0.030
	750	0.003	0.7	0.50	0	85.0	NORMAL	0.100
	900	0.420	92.2	0.35	0	25.0	DRY	0.030
		0.456	**100.0**					
J48	714	0.056	6.4	0.35	0	25.0	DRY	0.030
	730	0.202	23.3	0.35	0	25.0	DRY	0.030
	900	0.611	70.3	0.35	0	25.0	DRY	0.030
		0.869	**100.0**					
J49	730	0.061	31.6	0.35	0	25.0	DRY	0.030
	750	0.124	64.9	0.50	0	85.0	NORMAL	0.100
	900	0.007	3.5	0.35	0	25.0	DRY	0.030

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: J								
		0.191	**100.0**					
J50	730	0.501	85.2	0.35	0	25.0	DRY	0.030
	750	0.083	14.1	0.50	0	85.0	NORMAL	0.100
	900	0.004	0.6	0.35	0	25.0	DRY	0.030
		0.588	**99.9**					
J51	712	0.010	6.0	0.10	5	90.0	NORMAL	0.020
	730	0.148	89.3	0.35	0	25.0	DRY	0.030
	750	0.002	1.1	0.50	0	85.0	NORMAL	0.100
	900	0.006	3.5	0.35	0	25.0	DRY	0.030
		0.166	**99.9**					
J52	730	0.048	26.3	0.35	0	25.0	DRY	0.030
	750	0.134	73.7	0.50	0	85.0	NORMAL	0.100
		0.182	**100.0**					
J53	730	0.018	36.5	0.35	0	25.0	DRY	0.030
	900	0.032	63.5	0.35	0	25.0	DRY	0.030
		0.050	**100.0**					
J54	712	0.219	100.0	0.10	5	90.0	NORMAL	0.020
		0.219	**100.0**					

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: X								
X01	712	1.514	100.0	0.10	5	90.0	NORMAL	0.020
		1.514	**100.0**					
X02	120	0.104	6.9	0.30	5	20.0	NORMAL	0.050
	161	0.007	0.5	0.25	45	50.0	NORMAL	0.030
	712	1.006	67.2	0.10	5	90.0	NORMAL	0.020
	730	0.379	25.3	0.35	0	25.0	DRY	0.030
	900	0.000		0.35	0	25.0	DRY	0.030
		1.497	**99.9**					
X03	712	1.003	100.0	0.10	5	90.0	NORMAL	0.020
		1.003	**100.0**					
X04	110	0.092	9.5	0.30	5	30.0	NORMAL	0.050
	120	0.046	4.8	0.30	5	20.0	NORMAL	0.050
	130	0.014	1.5	0.30	15	50.0	NORMAL	0.050
	140	0.012	1.2	0.25	30	50.0	NORMAL	0.050
	712	0.471	48.8	0.10	5	90.0	NORMAL	0.020
	730	0.293	30.3	0.35	0	25.0	DRY	0.030
	740	0.016	1.7	0.00	0	0.0	WET	0.020
	900	0.023	2.3	0.35	0	25.0	DRY	0.030
		0.965	**100.1**					
X05	120	0.033	10.6	0.30	5	20.0	NORMAL	0.050
	130	0.025	7.8	0.30	15	50.0	NORMAL	0.050
	712	0.045	14.3	0.10	5	90.0	NORMAL	0.020
	730	0.067	21.1	0.35	0	25.0	DRY	0.030
	740	0.024	7.6	0.00	0	0.0	WET	0.020
	900	0.122	38.7	0.35	0	25.0	DRY	0.030
		0.316	**100.1**					
X06	560	0.045	4.4	0.10	80	75.0	NORMAL	0.020
	712	0.741	72.1	0.10	5	90.0	NORMAL	0.020
	730	0.000		0.35	0	25.0	DRY	0.030
	740	0.016	1.6	0.00	0	0.0	WET	0.020
	900	0.225	21.9	0.35	0	25.0	DRY	0.030
		1.027	**100.0**					
X07	560	0.051	2.4	0.10	80	75.0	NORMAL	0.020
	712	1.948	92.6	0.10	5	90.0	NORMAL	0.020
	740	0.015	0.7	0.00	0	0.0	WET	0.020
	900	0.089	4.2	0.35	0	25.0	DRY	0.030
		2.104	**99.9**					
X08	712	0.395	100.0	0.10	5	90.0	NORMAL	0.020
	730	0.000		0.35	0	25.0	DRY	0.030
		0.395	**100.0**					
X09	712	0.323	93.0	0.10	5	90.0	NORMAL	0.020
	730	0.025	7.0	0.35	0	25.0	DRY	0.030
		0.348	**100.0**					
X10	712	0.213	100.0	0.10	5	90.0	NORMAL	0.020
	730	0.000		0.35	0	25.0	DRY	0.030
		0.213	**100.0**					
X11	712	0.293	99.5	0.10	5	90.0	NORMAL	0.020
	730	0.001	0.5	0.35	0	25.0	DRY	0.030
		0.295	**100.0**					
X12	560	0.000		0.10	80	75.0	NORMAL	0.020
	712	0.237	99.8	0.10	5	90.0	NORMAL	0.020
	730	0.000	0.1	0.35	0	25.0	DRY	0.030

* Non default value

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: X								
X12	900	0.000		0.35	0	25.0	DRY	0.030
		0.237	**99.9**					
X13	712	3.722	100.0	0.10	5	90.0	NORMAL	0.020
	730	0.001		0.35	0	25.0	DRY	0.030
		3.723	**100.0**					
X14	120	0.018	9.3	0.30	5	20.0	NORMAL	0.050
	712	0.163	84.4	0.10	5	90.0	NORMAL	0.020
	730	0.012	6.1	0.35	0	25.0	DRY	0.030
	900	0.000	0.2	0.35	0	25.0	DRY	0.030
		0.193	**100.0**					
X15	712	0.194	100.0	0.10	5	90.0	NORMAL	0.020
		0.194	**100.0**					
X16	712	0.277	99.9	0.10	5	90.0	NORMAL	0.020
	730	0.000	0.1	0.35	0	25.0	DRY	0.030
		0.277	**100.0**					
X17	560	0.402	87.0	0.10	80	75.0	NORMAL	0.020
	712	0.028	6.1	0.10	5	90.0	NORMAL	0.020
	730	0.003	0.7	0.35	0	25.0	DRY	0.030
	732	0.004	0.9	0.35	0	25.0	DRY	0.030
	740	0.000		0.00	0	0.0	WET	0.020
	900	0.025	5.4	0.35	0	25.0	DRY	0.030
		0.462	**100.1**					
X18	560	0.179	43.3	0.10	80	75.0	NORMAL	0.020
	712	0.056	13.6	0.10	5	90.0	NORMAL	0.020
	740	0.001	0.3	0.00	0	0.0	WET	0.020
	900	0.177	42.7	0.35	0	25.0	DRY	0.030
		0.413	**99.9**					

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: A								
000A01	730	9.619	100.0	0.35	0	25.0	DRY	0.030
		9.619	**100.0**					
000A03	730	1.064	100.0	0.35	0	25.0	DRY	0.030
		1.064	**100.0**					
000A04	730	0.743	100.0	0.35	0	25.0	DRY	0.030
		0.743	**100.0**					
000A05	730	2.141	100.0	0.35	0	25.0	DRY	0.030
		2.141	**100.0**					
000A06	730	1.108	100.0	0.35	0	25.0	DRY	0.030
		1.108	**100.0**					
000A07	730	0.523	100.0	0.35	0	25.0	DRY	0.030
		0.523	**100.0**					
000A08	730	2.128	100.0	0.35	0	25.0	DRY	0.030
		2.128	**100.0**					
000A09	700	0.001	0.1	0.35	0	25.0	DRY	0.030
	730	0.783	99.9	0.35	0	25.0	DRY	0.030
		0.784	**100.0**					
000A10	120	0.003	0.3	0.30	5	20.0	NORMAL	0.050
	730	0.926	99.7	0.35	0	25.0	DRY	0.030
		0.928	**100.0**					
000A11	120	0.174	9.6	0.30	5	20.0	NORMAL	0.050
	730	1.630	90.4	0.35	0	25.0	DRY	0.030
		1.804	**100.0**					
000A12	120	0.948	89.1	0.30	5	20.0	NORMAL	0.050
	230	0.008	0.7	0.10	80	75.0	NORMAL	0.020
	610	0.002	0.2	0.10	80	75.0	NORMAL	0.020
	730	0.106	10.0	0.35	0	25.0	DRY	0.030
		1.064	**100.0**					
000A13	120	0.510	87.9	0.30	5	20.0	NORMAL	0.050
	230	0.009	1.5	0.10	80	75.0	NORMAL	0.020
	610	0.006	1.1	0.10	80	75.0	NORMAL	0.020
	730	0.055	9.5	0.35	0	25.0	DRY	0.030
		0.580	**100.0**					
000A14	120	0.437	51.0	0.30	5	20.0	NORMAL	0.050
	730	0.419	49.0	0.35	0	25.0	DRY	0.030
		0.856	**100.0**					
000A15	120	0.683	72.6	0.30	5	20.0	NORMAL	0.050
	730	0.258	27.4	0.35	0	25.0	DRY	0.030
		0.941	**100.0**					
000A16	120	0.235	70.5	0.30	5	20.0	NORMAL	0.050
	730	0.098	29.5	0.35	0	25.0	DRY	0.030
		0.333	**100.0**					
000A17	120	0.360	63.1	0.30	5	20.0	NORMAL	0.050
	730	0.210	36.9	0.35	0	25.0	DRY	0.030
		0.570	**100.0**					
000A18	120	0.021	3.1	0.30	5	20.0	NORMAL	0.050
	730	0.673	96.9	0.35	0	25.0	DRY	0.030

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: A								
		0.694	**100.0**					
000A19	120	0.156	33.5	0.30	5	20.0	NORMAL	0.050
	130	0.045	9.6	0.30	15	50.0	NORMAL	0.050
	730	0.264	56.9	0.35	0	25.0	DRY	0.030
		0.465	**100.0**					
000A20	130	0.207	60.8	0.30	15	50.0	NORMAL	0.050
	730	0.133	39.2	0.35	0	25.0	DRY	0.030
		0.340	**100.0**					
000A21	130	0.011	1.1	0.30	15	50.0	NORMAL	0.050
	730	1.032	98.9	0.35	0	25.0	DRY	0.030
		1.044	**100.0**					
000A22	700	0.002	0.3	0.35	0	25.0	DRY	0.030
	730	0.577	99.7	0.35	0	25.0	DRY	0.030
		0.578	**100.0**					
000A23	730	0.233	100.0	0.35	0	25.0	DRY	0.030
		0.233	**100.0**					
000A24	730	1.355	100.0	0.35	0	25.0	DRY	0.030
		1.355	**100.0**					
000A25	730	0.215	100.0	0.35	0	25.0	DRY	0.030
		0.215	**100.0**					
000A26	730	0.499	100.0	0.35	0	25.0	DRY	0.030
		0.499	**100.0**					
000A27	730	1.106	100.0	0.35	0	25.0	DRY	0.030
		1.106	**100.0**					
000A28	730	0.551	100.0	0.35	0	25.0	DRY	0.030
		0.551	**100.0**					
000A29	730	1.188	100.0	0.35	0	25.0	DRY	0.030
		1.188	**100.0**					
000A30	130	0.102	15.1	0.30	15	50.0	NORMAL	0.050
	700	0.091	13.4	0.35	0	25.0	DRY	0.030
	730	0.482	71.5	0.35	0	25.0	DRY	0.030
		0.675	**100.0**					
000A31	130	0.195	36.2	0.30	15	50.0	NORMAL	0.050
	700	0.097	18.0	0.35	0	25.0	DRY	0.030
	730	0.247	45.8	0.35	0	25.0	DRY	0.030
		0.539	**100.0**					
000A32	130	0.882	73.1	0.30	15	50.0	NORMAL	0.050
	700	0.082	6.8	0.35	0	25.0	DRY	0.030
	730	0.243	20.1	0.35	0	25.0	DRY	0.030
		1.207	**100.0**					
000A33	120	0.284	100.0	0.30	5	20.0	NORMAL	0.050
		0.284	**100.0**					
000A34	120	0.370	96.1	0.30	5	20.0	NORMAL	0.050
	140	0.008	2.1	0.25	30	50.0	NORMAL	0.050
	610	0.004	1.1	0.10	80	75.0	NORMAL	0.020
	730	0.003	0.7	0.35	0	25.0	DRY	0.030

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: A								
		0.385	**100.0**					
000A35	120	0.815	96.3	0.30	5	20.0	NORMAL	0.050
	140	0.003	0.4	0.25	30	50.0	NORMAL	0.050
	170	0.001	0.1	0.25	45	50.0	NORMAL	0.040
	240	0.001	0.1	0.10	80	65.0	NORMAL	0.020
	550	0.002	0.3	0.10	80	75.0	NORMAL	0.020
	610	0.024	2.9	0.10	80	75.0	NORMAL	0.020
		0.847	**100.1**					
000A36	120	0.431	99.1	0.30	5	20.0	NORMAL	0.050
	610	0.004	0.9	0.10	80	75.0	NORMAL	0.020
		0.435	**100.0**					
000A37	120	0.451	33.5	0.30	5	20.0	NORMAL	0.050
	140	0.776	57.7	0.25	30	50.0	NORMAL	0.050
	150	0.110	8.2	0.25	35	50.0	NORMAL	0.040
	230	0.003	0.3	0.10	80	75.0	NORMAL	0.020
	310	0.003	0.2	0.10	80	75.0	NORMAL	0.020
	610	0.002	0.1	0.10	80	75.0	NORMAL	0.020
	730	0.001		0.35	0	25.0	DRY	0.030
		1.346	**100.0**					
000A38	120	0.030	6.1	0.30	5	20.0	NORMAL	0.050
	140	0.335	69.4	0.25	30	50.0	NORMAL	0.050
	230	0.053	11.0	0.10	80	75.0	NORMAL	0.020
	310	0.043	8.9	0.10	80	75.0	NORMAL	0.020
	610	0.022	4.5	0.10	80	75.0	NORMAL	0.020
		0.482	**99.9**					
000A39	140	0.339	68.5	0.25	30	50.0	NORMAL	0.050
	180	0.118	23.8	0.25	50	50.0	NORMAL	0.030
	230	0.017	3.5	0.10	80	75.0	NORMAL	0.020
	610	0.021	4.2	0.10	80	75.0	NORMAL	0.020
		0.495	**100.0**					
000A40	120	0.000		0.30	5	20.0	NORMAL	0.050
	140	0.351	70.4	0.25	30	50.0	NORMAL	0.050
	150	0.070	14.0	0.25	35	50.0	NORMAL	0.040
	180	0.022	4.4	0.25	50	50.0	NORMAL	0.030
	230	0.021	4.2	0.10	80	75.0	NORMAL	0.020
	610	0.035	6.9	0.10	80	75.0	NORMAL	0.020
		0.498	**99.9**					
000A41	120	0.182	19.8	0.30	5	20.0	NORMAL	0.050
	140	0.477	52.1	0.25	30	50.0	NORMAL	0.050
	180	0.055	6.0	0.25	50	50.0	NORMAL	0.030
	230	0.033	3.6	0.10	80	75.0	NORMAL	0.020
	310	0.006	0.6	0.10	80	75.0	NORMAL	0.020
	610	0.047	5.2	0.10	80	75.0	NORMAL	0.020
	730	0.115	12.6	0.35	0	25.0	DRY	0.030
		0.915	**99.9**					
000A42	120	0.096	11.2	0.30	5	20.0	NORMAL	0.050
	140	0.220	25.9	0.25	30	50.0	NORMAL	0.050
	150	0.151	17.7	0.25	35	50.0	NORMAL	0.040
	170	0.008	0.9	0.25	45	50.0	NORMAL	0.040
	180	0.053	6.2	0.25	50	50.0	NORMAL	0.030
	230	0.033	3.8	0.10	80	75.0	NORMAL	0.020
	310	0.051	6.0	0.10	80	75.0	NORMAL	0.020
	610	0.038	4.4	0.10	80	75.0	NORMAL	0.020
	730	0.203	23.8	0.35	0	25.0	DRY	0.030

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: A								
		0.852	**99.9**					
000A43	140	0.315	62.4	0.25	30	50.0	NORMAL	0.050
	150	0.100	19.9	0.25	35	50.0	NORMAL	0.040
	180	0.079	15.6	0.25	50	50.0	NORMAL	0.030
	610	0.010	2.0	0.10	80	75.0	NORMAL	0.020
		0.505	**99.9**					
000A44	120	0.002	0.6	0.30	5	20.0	NORMAL	0.050
	140	0.259	70.8	0.25	30	50.0	NORMAL	0.050
	170	0.034	9.2	0.25	45	50.0	NORMAL	0.040
	180	0.001	0.2	0.25	50	50.0	NORMAL	0.030
	230	0.055	15.0	0.10	80	75.0	NORMAL	0.020
	610	0.011	3.1	0.10	80	75.0	NORMAL	0.020
	730	0.004	1.1	0.35	0	25.0	DRY	0.030
		0.366	**100.0**					
000A45	120	0.118	22.0	0.30	5	20.0	NORMAL	0.050
	140	0.135	25.3	0.25	30	50.0	NORMAL	0.050
	150	0.118	22.1	0.25	35	50.0	NORMAL	0.040
	170	0.003	0.5	0.25	45	50.0	NORMAL	0.040
	230	0.031	5.9	0.10	80	75.0	NORMAL	0.020
	240	0.003	0.5	0.10	80	65.0	NORMAL	0.020
	610	0.046	8.7	0.10	80	75.0	NORMAL	0.020
	730	0.080	14.9	0.35	0	25.0	DRY	0.030
		0.533	**99.9**					
000A46	140	0.110	55.7	0.25	30	50.0	NORMAL	0.050
	170	0.022	10.9	0.25	45	50.0	NORMAL	0.040
	240	0.021	10.5	0.10	80	65.0	NORMAL	0.020
	610	0.041	20.5	0.10	80	75.0	NORMAL	0.020
	730	0.005	2.4	0.35	0	25.0	DRY	0.030
		0.198	**100.0**					
000A47	140	0.656	82.9	0.25	30	50.0	NORMAL	0.050
	230	0.007	0.8	0.10	80	75.0	NORMAL	0.020
	550	0.006	0.7	0.10	80	75.0	NORMAL	0.020
	610	0.123	15.5	0.10	80	75.0	NORMAL	0.020
		0.791	**99.9**					
000A48	120	0.019	1.8	0.30	5	20.0	NORMAL	0.050
	140	0.501	47.3	0.25	30	50.0	NORMAL	0.050
	150	0.130	12.2	0.25	35	50.0	NORMAL	0.040
	170	0.099	9.3	0.25	45	50.0	NORMAL	0.040
	180	0.031	2.9	0.25	50	50.0	NORMAL	0.030
	220	0.032	3.0	0.10	80	65.0	NORMAL	0.020
	230	0.000		0.10	80	75.0	NORMAL	0.020
	240	0.020	1.9	0.10	80	65.0	NORMAL	0.020
	550	0.010	0.9	0.10	80	75.0	NORMAL	0.020
	610	0.214	20.2	0.10	80	75.0	NORMAL	0.020
	730	0.003	0.3	0.35	0	25.0	DRY	0.030
		1.059	**99.8**					
000A49	140	0.245	32.6	0.25	30	50.0	NORMAL	0.050
	150	0.052	6.9	0.25	35	50.0	NORMAL	0.040
	230	0.009	1.2	0.10	80	75.0	NORMAL	0.020
	610	0.106	14.1	0.10	80	75.0	NORMAL	0.020
	730	0.340	45.2	0.35	0	25.0	DRY	0.030
		0.751	**100.0**					
000A50	120	0.188	18.1	0.30	5	20.0	NORMAL	0.050
	130	0.016	1.5	0.30	15	50.0	NORMAL	0.050
	140	0.430	41.5	0.25	30	50.0	NORMAL	0.050

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: A								
000A50	150	0.064	6.1	0.25	35	50.0	NORMAL	0.040
	170	0.106	10.2	0.25	45	50.0	NORMAL	0.040
	180	0.010	0.9	0.25	50	50.0	NORMAL	0.030
	220	0.028	2.7	0.10	80	65.0	NORMAL	0.020
	230	0.011	1.0	0.10	80	75.0	NORMAL	0.020
	550	0.006	0.6	0.10	80	75.0	NORMAL	0.020
	610	0.153	14.8	0.10	80	75.0	NORMAL	0.020
	700	0.000		0.35	0	25.0	DRY	0.030
	730	0.026	2.5	0.35	0	25.0	DRY	0.030
		1.035	**99.9**					
000A51	120	0.049	3.3	0.30	5	20.0	NORMAL	0.050
	130	1.147	77.2	0.30	15	50.0	NORMAL	0.050
	610	0.022	1.5	0.10	80	75.0	NORMAL	0.020
	700	0.000		0.35	0	25.0	DRY	0.030
	730	0.268	18.0	0.35	0	25.0	DRY	0.030
		1.486	**100.0**					
000A52	130	0.170	78.0	0.30	15	50.0	NORMAL	0.050
	730	0.048	22.0	0.35	0	25.0	DRY	0.030
		0.218	**100.0**					
000A53	730	1.746	100.0	0.35	0	25.0	DRY	0.030
		1.746	**100.0**					
000A54	730	0.507	100.0	0.35	0	25.0	DRY	0.030
		0.507	**100.0**					
000A55	130	0.187	30.6	0.30	15	50.0	NORMAL	0.050
	730	0.425	69.4	0.35	0	25.0	DRY	0.030
		0.613	**100.0**					
000A56	120	0.135	7.3	0.30	5	20.0	NORMAL	0.050
	130	0.430	23.4	0.30	15	50.0	NORMAL	0.050
	610	0.000		0.10	80	75.0	NORMAL	0.020
	700	0.000		0.35	0	25.0	DRY	0.030
	730	1.274	69.3	0.35	0	25.0	DRY	0.030
		1.839	**100.0**					
000A57	110	0.018	1.2	0.30	5	30.0	NORMAL	0.050
	120	0.542	36.9	0.30	5	20.0	NORMAL	0.050
	710	0.004	0.3	0.20	0	90.0	NORMAL	0.100
	730	0.901	61.3	0.35	0	25.0	DRY	0.030
	740	0.004	0.3	0.00	0	0.0	WET	0.020
		1.469	**100.0**					
000A58	730	2.131	100.0	0.35	0	25.0	DRY	0.030
		2.131	**100.0**					
000A59	730	1.255	100.0	0.35	0	25.0	DRY	0.030
		1.255	**100.0**					
000A60	110	0.034	2.0	0.30	5	30.0	NORMAL	0.050
	120	0.210	12.6	0.30	5	20.0	NORMAL	0.050
	572	0.036	2.2	0.10	80	75.0	NORMAL	0.020
	710	0.018	1.1	0.20	0	90.0	NORMAL	0.100
	730	1.358	81.5	0.35	0	25.0	DRY	0.030
	740	0.011	0.7	0.00	0	0.0	WET	0.020
		1.667	**100.1**					
000A61	110	0.016	0.8	0.30	5	30.0	NORMAL	0.050
	120	1.267	64.5	0.30	5	20.0	NORMAL	0.050
	130	0.095	4.8	0.30	15	50.0	NORMAL	0.050

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: A								
000A61	533	0.015	0.8	0.10	80	75.0	NORMAL	0.020
	710	0.106	5.4	0.20	0	90.0	NORMAL	0.100
	730	0.302	15.4	0.35	0	25.0	DRY	0.030
	740	0.164	8.4	0.00	0	0.0	WET	0.020
		1.964	**100.1**					
000A62	110	0.033	11.5	0.30	5	30.0	NORMAL	0.050
	120	0.187	64.7	0.30	5	20.0	NORMAL	0.050
	130	0.005	1.6	0.30	15	50.0	NORMAL	0.050
	710	0.048	16.6	0.20	0	90.0	NORMAL	0.100
	730	0.001	0.3	0.35	0	25.0	DRY	0.030
	740	0.015	5.2	0.00	0	0.0	WET	0.020
		0.288	**99.9**					
000A63	120	0.485	79.9	0.30	5	20.0	NORMAL	0.050
	130	0.115	18.9	0.30	15	50.0	NORMAL	0.050
	140	0.001	0.1	0.25	30	50.0	NORMAL	0.050
	150	0.001	0.1	0.25	35	50.0	NORMAL	0.040
	610	0.006	1.0	0.10	80	75.0	NORMAL	0.020
		0.608	**100.0**					
000A64	730	0.231	100.0	0.35	0	25.0	DRY	0.030
		0.231	**100.0**					
000A65	700	0.000	0.1	0.35	0	25.0	DRY	0.030
	730	0.547	99.9	0.35	0	25.0	DRY	0.030
		0.547	**100.0**					

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: B								
000B01	730	5.160	100.0	0.35	0	25.0	DRY	0.030
		5.160	**100.0**					
000B02	730	3.584	100.0	0.35	0	25.0	DRY	0.030
		3.584	**100.0**					
000B03	730	13.202	100.0	0.35	0	25.0	DRY	0.030
		13.202	**100.0**					
000B04	120	0.005	0.5	0.30	5	20.0	NORMAL	0.050
	730	0.901	99.5	0.35	0	25.0	DRY	0.030
		0.906	**100.0**					
000B05	120	0.172	32.3	0.30	5	20.0	NORMAL	0.050
	730	0.360	67.7	0.35	0	25.0	DRY	0.030
		0.532	**100.0**					
000B06	120	0.029	5.1	0.30	5	20.0	NORMAL	0.050
	730	0.537	94.9	0.35	0	25.0	DRY	0.030
		0.566	**100.0**					
000B07	170	0.091	26.9	0.25	45	50.0	NORMAL	0.040
	180	0.079	23.4	0.25	50	50.0	NORMAL	0.030
	240	0.075	22.2	0.10	80	65.0	NORMAL	0.020
	730	0.007	2.2	0.35	0	25.0	DRY	0.030
	820	0.086	25.3	0.25	45	65.0	NORMAL	0.020
		0.338	**100.0**					
000B08	170	0.096	22.3	0.25	45	50.0	NORMAL	0.040
	180	0.068	15.9	0.25	50	50.0	NORMAL	0.030
	240	0.054	12.6	0.10	80	65.0	NORMAL	0.020
	730	0.148	34.5	0.35	0	25.0	DRY	0.030
	820	0.064	14.8	0.25	45	65.0	NORMAL	0.020
		0.430	**100.1**					
000B09	150	0.012	4.7	0.25	35	50.0	NORMAL	0.040
	170	0.058	22.0	0.25	45	50.0	NORMAL	0.040
	240	0.022	8.3	0.10	80	65.0	NORMAL	0.020
	730	0.169	64.2	0.35	0	25.0	DRY	0.030
	820	0.002	0.8	0.25	45	65.0	NORMAL	0.020
		0.263	**100.0**					
000B10	120	0.327	59.3	0.30	5	20.0	NORMAL	0.050
	170	0.031	5.6	0.25	45	50.0	NORMAL	0.040
	730	0.194	35.1	0.35	0	25.0	DRY	0.030
		0.552	**100.0**					
000B11	120	0.071	29.4	0.30	5	20.0	NORMAL	0.050
	170	0.032	13.2	0.25	45	50.0	NORMAL	0.040
	730	0.138	57.4	0.35	0	25.0	DRY	0.030
		0.240	**100.0**					
000B12	120	0.005	1.4	0.30	5	20.0	NORMAL	0.050
	150	0.143	43.0	0.25	35	50.0	NORMAL	0.040
	170	0.017	5.0	0.25	45	50.0	NORMAL	0.040
	730	0.169	50.7	0.35	0	25.0	DRY	0.030
		0.333	**100.1**					
000B13	730	0.155	100.0	0.35	0	25.0	DRY	0.030
		0.155	**100.0**					
000B14	120	0.059	14.9	0.30	5	20.0	NORMAL	0.050
	730	0.334	85.1	0.35	0	25.0	DRY	0.030

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: B								
		0.393	**100.0**					
000B15	140	0.178	27.6	0.25	30	50.0	NORMAL	0.050
	150	0.086	13.3	0.25	35	50.0	NORMAL	0.040
	730	0.381	59.1	0.35	0	25.0	DRY	0.030
		0.644	**100.0**					
000B16	730	0.821	100.0	0.35	0	25.0	DRY	0.030
		0.821	**100.0**					
000B17	730	0.048	100.0	0.35	0	25.0	DRY	0.030
		0.048	**100.0**					
000B18	120	0.025	4.0	0.30	5	20.0	NORMAL	0.050
	730	0.598	96.0	0.35	0	25.0	DRY	0.030
		0.623	**100.0**					
000B19	120	0.021	3.9	0.30	5	20.0	NORMAL	0.050
	730	0.517	96.1	0.35	0	25.0	DRY	0.030
		0.538	**100.0**					
000B20	730	0.177	100.0	0.35	0	25.0	DRY	0.030
		0.177	**100.0**					
000B21	120	0.000		0.30	5	20.0	NORMAL	0.050
	730	0.312	100.0	0.35	0	25.0	DRY	0.030
		0.313	**100.0**					
000B22	730	0.548	100.0	0.35	0	25.0	DRY	0.030
		0.548	**100.0**					
000B23	730	0.299	100.0	0.35	0	25.0	DRY	0.030
		0.299	**100.0**					
000B24	730	0.238	100.0	0.35	0	25.0	DRY	0.030
		0.238	**100.0**					
000B25	730	0.298	100.0	0.35	0	25.0	DRY	0.030
		0.298	**100.0**					
000B26	730	0.353	100.0	0.35	0	25.0	DRY	0.030
		0.353	**100.0**					
000B27	730	0.856	100.0	0.35	0	25.0	DRY	0.030
		0.856	**100.0**					
000B28	730	0.386	100.0	0.35	0	25.0	DRY	0.030
		0.386	**100.0**					
000B29	120	0.079	8.7	0.30	5	20.0	NORMAL	0.050
	140	0.000		0.25	30	50.0	NORMAL	0.050
	730	0.836	91.3	0.35	0	25.0	DRY	0.030
		0.915	**100.0**					
000B30	120	0.180	33.7	0.30	5	20.0	NORMAL	0.050
	730	0.353	66.3	0.35	0	25.0	DRY	0.030
		0.533	**100.0**					
000B31	120	0.058	36.2	0.30	5	20.0	NORMAL	0.050
	730	0.102	63.8	0.35	0	25.0	DRY	0.030
		0.160	**100.0**					
000B32	120	0.023	54.2	0.30	5	20.0	NORMAL	0.050

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: B								
000B32	730	0.020	45.8	0.35	0	25.0	DRY	0.030
		0.043	**100.0**					
000B33	730	0.283	100.0	0.35	0	25.0	DRY	0.030
		0.283	**100.0**					
000B34	730	0.125	100.0	0.35	0	25.0	DRY	0.030
		0.125	**100.0**					
000B35	730	0.249	100.0	0.35	0	25.0	DRY	0.030
		0.249	**100.0**					
000B36	730	0.184	100.0	0.35	0	25.0	DRY	0.030
		0.184	**100.0**					
000B37	730	0.086	100.0	0.35	0	25.0	DRY	0.030
		0.086	**100.0**					
000B38	730	0.439	100.0	0.35	0	25.0	DRY	0.030
		0.439	**100.0**					
000B39	120	0.001	0.2	0.30	5	20.0	NORMAL	0.050
	730	0.390	99.8	0.35	0	25.0	DRY	0.030
		0.390	**100.0**					
000B40	730	0.182	100.0	0.35	0	25.0	DRY	0.030
		0.182	**100.0**					
000B41	120	0.108	24.2	0.30	5	20.0	NORMAL	0.050
	730	0.338	75.8	0.35	0	25.0	DRY	0.030
		0.445	**100.0**					
000B42	730	0.197	100.0	0.35	0	25.0	DRY	0.030
		0.197	**100.0**					
000B43	120	0.065	37.6	0.30	5	20.0	NORMAL	0.050
	730	0.109	62.4	0.35	0	25.0	DRY	0.030
		0.174	**100.0**					
000B44	120	0.000	0.1	0.30	5	20.0	NORMAL	0.050
	730	0.375	99.9	0.35	0	25.0	DRY	0.030
		0.375	**100.0**					
000B45	120	0.004	0.4	0.30	5	20.0	NORMAL	0.050
	730	0.964	99.6	0.35	0	25.0	DRY	0.030
		0.967	**100.0**					
000B46	120	0.445	42.0	0.30	5	20.0	NORMAL	0.050
	730	0.614	58.0	0.35	0	25.0	DRY	0.030
		1.059	**100.0**					
000B47	120	0.163	51.6	0.30	5	20.0	NORMAL	0.050
	730	0.153	48.4	0.35	0	25.0	DRY	0.030
		0.316	**100.0**					
000B48	120	0.066	11.5	0.30	5	20.0	NORMAL	0.050
	140	0.000		0.25	30	50.0	NORMAL	0.050
	730	0.508	88.5	0.35	0	25.0	DRY	0.030
		0.574	**100.0**					
000B49	730	0.269	100.0	0.35	0	25.0	DRY	0.030
		0.269	**100.0**					

* Non default value

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: B								
000B50	120	0.010	3.6	0.30	5	20.0	NORMAL	0.050
	140	0.000		0.25	30	50.0	NORMAL	0.050
	610	0.007	2.6	0.10	80	75.0	NORMAL	0.020
	730	0.256	93.8	0.35	0	25.0	DRY	0.030
		0.273	**100.0**					
000B52	120	0.388	67.4	0.30	5	20.0	NORMAL	0.050
	140	0.000		0.25	30	50.0	NORMAL	0.050
	610	0.009	1.5	0.10	80	75.0	NORMAL	0.020
	730	0.180	31.1	0.35	0	25.0	DRY	0.030
		0.577	**100.0**					
000B53	120	0.468	87.1	0.30	5	20.0	NORMAL	0.050
	140	0.007	1.2	0.25	30	50.0	NORMAL	0.050
	730	0.063	11.7	0.35	0	25.0	DRY	0.030
		0.537	**100.0**					
000B54	120	0.045	15.6	0.30	5	20.0	NORMAL	0.050
	730	0.244	84.4	0.35	0	25.0	DRY	0.030
		0.289	**100.0**					
000B55	120	0.000	0.1	0.30	5	20.0	NORMAL	0.050
	140	0.002	2.0	0.25	30	50.0	NORMAL	0.050
	730	0.077	97.8	0.35	0	25.0	DRY	0.030
		0.079	**99.9**					
000B56	120	0.126	56.7	0.30	5	20.0	NORMAL	0.050
	730	0.096	43.3	0.35	0	25.0	DRY	0.030
		0.222	**100.0**					
000B57	120	0.058	58.1	0.30	5	20.0	NORMAL	0.050
	730	0.042	41.9	0.35	0	25.0	DRY	0.030
		0.100	**100.0**					
000B58	120	0.232	95.6	0.30	5	20.0	NORMAL	0.050
	730	0.011	4.4	0.35	0	25.0	DRY	0.030
		0.243	**100.0**					
000B59	120	0.019	3.7	0.30	5	20.0	NORMAL	0.050
	140	0.431	85.3	0.25	30	50.0	NORMAL	0.050
	550	0.001	0.1	0.10	80	75.0	NORMAL	0.020
	610	0.027	5.2	0.10	80	75.0	NORMAL	0.020
	730	0.028	5.6	0.35	0	25.0	DRY	0.030
		0.505	**99.9**					
000B60	120	0.057	5.7	0.30	5	20.0	NORMAL	0.050
	140	0.249	25.0	0.25	30	50.0	NORMAL	0.050
	150	0.351	35.3	0.25	35	50.0	NORMAL	0.040
	180	0.134	13.5	0.25	50	50.0	NORMAL	0.030
	230	0.061	6.2	0.10	80	75.0	NORMAL	0.020
	550	0.030	3.0	0.10	80	75.0	NORMAL	0.020
	610	0.072	7.3	0.10	80	75.0	NORMAL	0.020
	730	0.040	4.0	0.35	0	25.0	DRY	0.030
		0.994	**100.0**					
000B61	120	0.009	1.2	0.30	5	20.0	NORMAL	0.050
	140	0.471	63.2	0.25	30	50.0	NORMAL	0.050
	150	0.049	6.6	0.25	35	50.0	NORMAL	0.040
	550	0.033	4.4	0.10	80	75.0	NORMAL	0.020
	610	0.027	3.6	0.10	80	75.0	NORMAL	0.020
	730	0.157	21.0	0.35	0	25.0	DRY	0.030
		0.746	**100.0**					

* Non default value

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: B								
000B62	120	0.001	0.4	0.30	5	20.0	NORMAL	0.050
	140	0.092	27.4	0.25	30	50.0	NORMAL	0.050
	150	0.136	40.8	0.25	35	50.0	NORMAL	0.040
	230	0.003	0.9	0.10	80	75.0	NORMAL	0.020
	550	0.000	0.1	0.10	80	75.0	NORMAL	0.020
	610	0.022	6.7	0.10	80	75.0	NORMAL	0.020
	730	0.079	23.7	0.35	0	25.0	DRY	0.030
		0.334	**100.0**					
000B63	140	0.049	21.8	0.25	30	50.0	NORMAL	0.050
	150	0.043	19.0	0.25	35	50.0	NORMAL	0.040
	180	0.019	8.2	0.25	50	50.0	NORMAL	0.030
	230	0.021	9.3	0.10	80	75.0	NORMAL	0.020
	550	0.031	13.8	0.10	80	75.0	NORMAL	0.020
	610	0.012	5.4	0.10	80	75.0	NORMAL	0.020
	730	0.051	22.5	0.35	0	25.0	DRY	0.030
		0.225	**100.0**					
000B64	120	0.003	0.9	0.30	5	20.0	NORMAL	0.050
	140	0.206	71.2	0.25	30	50.0	NORMAL	0.050
	150	0.001	0.3	0.25	35	50.0	NORMAL	0.040
	180	0.006	2.0	0.25	50	50.0	NORMAL	0.030
	230	0.001	0.2	0.10	80	75.0	NORMAL	0.020
	610	0.025	8.8	0.10	80	75.0	NORMAL	0.020
	730	0.048	16.6	0.35	0	25.0	DRY	0.030
		0.289	**100.0**					
000B65	120	0.044	22.3	0.30	5	20.0	NORMAL	0.050
	140	0.003	1.4	0.25	30	50.0	NORMAL	0.050
	730	0.152	76.3	0.35	0	25.0	DRY	0.030
		0.199	**100.0**					

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: C								
C01	730	0.450	100.0	0.35	0	25.0	DRY	0.030
		0.450	**100.0**					
C02	730	0.130	100.0	0.35	0	25.0	DRY	0.030
		0.130	**100.0**					
C03	730	0.295	100.0	0.35	0	25.0	DRY	0.030
		0.295	**100.0**					
C04	730	0.234	100.0	0.35	0	25.0	DRY	0.030
		0.234	**100.0**					
C05	730	0.228	100.0	0.35	0	25.0	DRY	0.030
		0.228	**100.0**					
C06	730	0.349	100.0	0.35	0	25.0	DRY	0.030
		0.349	**100.0**					
C07	730	1.183	100.0	0.35	0	25.0	DRY	0.030
		1.183	**100.0**					
C08	730	0.873	100.0	0.35	0	25.0	DRY	0.030
		0.873	**100.0**					
C09	730	0.138	100.0	0.35	0	25.0	DRY	0.030
		0.138	**100.0**					
C10	730	0.548	100.0	0.35	0	25.0	DRY	0.030
		0.548	**100.0**					
C11	730	0.289	100.0	0.35	0	25.0	DRY	0.030
		0.289	**100.0**					
C12	730	0.201	100.0	0.35	0	25.0	DRY	0.030
		0.201	**100.0**					
C13	730	0.520	100.0	0.35	0	25.0	DRY	0.030
		0.520	**100.0**					
C14	730	0.224	100.0	0.35	0	25.0	DRY	0.030
		0.224	**100.0**					
C15	730	0.095	100.0	0.35	0	25.0	DRY	0.030
		0.095	**100.0**					
C16	730	0.127	100.0	0.35	0	25.0	DRY	0.030
		0.127	**100.0**					
C17	730	0.121	100.0	0.35	0	25.0	DRY	0.030
		0.121	**100.0**					
C18	730	0.078	100.0	0.35	0	25.0	DRY	0.030
		0.078	**100.0**					
C19	730	0.257	100.0	0.35	0	25.0	DRY	0.030
		0.257	**100.0**					
C20	730	0.464	100.0	0.35	0	25.0	DRY	0.030
		0.464	**100.0**					
C21	730	0.563	100.0	0.35	0	25.0	DRY	0.030
		0.563	**100.0**					

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: C								
C22	730	0.804	100.0	0.35	0	25.0	DRY	0.030
		0.804	**100.0**					
C23	730	0.496	100.0	0.35	0	25.0	DRY	0.030
		0.496	**100.0**					
C24	730	0.162	100.0	0.35	0	25.0	DRY	0.030
		0.162	**100.0**					
C25	730	0.076	100.0	0.35	0	25.0	DRY	0.030
		0.076	**100.0**					
C26	730	0.101	100.0	0.35	0	25.0	DRY	0.030
		0.101	**100.0**					
C27	730	0.214	100.0	0.35	0	25.0	DRY	0.030
		0.214	**100.0**					
C28	730	0.050	100.0	0.35	0	25.0	DRY	0.030
		0.050	**100.0**					
C29	730	0.339	100.0	0.35	0	25.0	DRY	0.030
		0.339	**100.0**					
C30	730	0.235	100.0	0.35	0	25.0	DRY	0.030
		0.235	**100.0**					
C31	730	0.101	100.0	0.35	0	25.0	DRY	0.030
		0.101	**100.0**					
C33	553	0.271	0.8	0.10	80	75.0	NORMAL	0.020
	730	32.229	99.1	0.35	0	25.0	DRY	0.030
	740	0.018	0.1	0.00	0	0.0	WET	0.020
		32.518	**100.0**					
C34	730	0.799	92.8	0.35	0	25.0	DRY	0.030
	740	0.062	7.2	0.00	0	0.0	WET	0.020
		0.861	**100.0**					
C35	730	5.805	100.0	0.35	0	25.0	DRY	0.030
		5.805	**100.0**					
C36	120	0.139	4.5	0.30	5	20.0	NORMAL	0.050
	140	0.001		0.25	30	50.0	NORMAL	0.050
	150	0.001		0.25	35	50.0	NORMAL	0.040
	730	2.944	95.4	0.35	0	25.0	DRY	0.030
	740	0.000		0.00	0	0.0	WET	0.020
		3.084	**99.9**					
C37	730	1.801	100.0	0.35	0	25.0	DRY	0.030
		1.801	**100.0**					
C38	730	0.640	100.0	0.35	0	25.0	DRY	0.030
		0.640	**100.0**					
C39	730	0.129	100.0	0.35	0	25.0	DRY	0.030
		0.129	**100.0**					
C40	730	0.170	100.0	0.35	0	25.0	DRY	0.030
		0.170	**100.0**					
C41	730	0.078	100.0	0.35	0	25.0	DRY	0.030

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: C								
		0.078	**100.0**					
C42	730	0.109	100.0	0.35	0	25.0	DRY	0.030
		0.109	**100.0**					
C43	730	0.209	100.0	0.35	0	25.0	DRY	0.030
		0.209	**100.0**					
C44	730	0.170	100.0	0.35	0	25.0	DRY	0.030
		0.170	**100.0**					
C45	730	0.125	100.0	0.35	0	25.0	DRY	0.030
		0.125	**100.0**					
C46	730	0.246	100.0	0.35	0	25.0	DRY	0.030
		0.246	**100.0**					
C47	120	0.076	7.6	0.30	5	20.0	NORMAL	0.050
	170	0.001	0.1	0.25	45	50.0	NORMAL	0.040
	730	0.924	92.4	0.35	0	25.0	DRY	0.030
		1.000	**100.1**					
C48	120	0.007	2.8	0.30	5	20.0	NORMAL	0.050
	730	0.248	97.2	0.35	0	25.0	DRY	0.030
		0.255	**100.0**					
C49	140	0.000	0.1	0.25	30	50.0	NORMAL	0.050
	150	0.002	1.1	0.25	35	50.0	NORMAL	0.040
	730	0.184	98.8	0.35	0	25.0	DRY	0.030
		0.186	**100.0**					
C51	140	0.066	17.2	0.25	30	50.0	NORMAL	0.050
	150	0.141	36.8	0.25	35	50.0	NORMAL	0.040
	170	0.003	0.9	0.25	45	50.0	NORMAL	0.040
	180	0.043	11.3	0.25	50	50.0	NORMAL	0.030
	730	0.006	1.5	0.35	0	25.0	DRY	0.030
	820	0.123	32.3	0.25	45	65.0	NORMAL	0.020
		0.382	**100.0**					
C52	120	0.000		0.30	5	20.0	NORMAL	0.050
	140	0.089	22.6	0.25	30	50.0	NORMAL	0.050
	150	0.093	23.7	0.25	35	50.0	NORMAL	0.040
	170	0.099	25.3	0.25	45	50.0	NORMAL	0.040
	180	0.005	1.3	0.25	50	50.0	NORMAL	0.030
	730	0.046	11.6	0.35	0	25.0	DRY	0.030
	820	0.061	15.5	0.25	45	65.0	NORMAL	0.020
		0.392	**100.0**					
C53	140	0.130	35.0	0.25	30	50.0	NORMAL	0.050
	150	0.036	9.6	0.25	35	50.0	NORMAL	0.040
	170	0.114	30.5	0.25	45	50.0	NORMAL	0.040
	180	0.012	3.2	0.25	50	50.0	NORMAL	0.030
	730	0.014	3.7	0.35	0	25.0	DRY	0.030
	820	0.068	18.1	0.25	45	65.0	NORMAL	0.020
		0.373	**100.1**					

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: D								
000D01	730	2.428	100.0	0.35	0	25.0	DRY	0.030
		2.428	**100.0**					
000D02	730	0.496	100.0	0.35	0	25.0	DRY	0.030
		0.496	**100.0**					
000D03	730	0.340	100.0	0.35	0	25.0	DRY	0.030
		0.340	**100.0**					
000D04	730	0.198	100.0	0.35	0	25.0	DRY	0.030
		0.198	**100.0**					
000D05	730	1.927	100.0	0.35	0	25.0	DRY	0.030
		1.927	**100.0**					
000D06	730	1.216	100.0	0.35	0	25.0	DRY	0.030
		1.216	**100.0**					
000D07	730	1.050	100.0	0.35	0	25.0	DRY	0.030
		1.050	**100.0**					
000D08	730	0.280	100.0	0.35	0	25.0	DRY	0.030
		0.280	**100.0**					
000D09	730	0.544	100.0	0.35	0	25.0	DRY	0.030
		0.544	**100.0**					
000D10	730	0.841	100.0	0.35	0	25.0	DRY	0.030
		0.841	**100.0**					
000D11	730	0.395	100.0	0.35	0	25.0	DRY	0.030
		0.395	**100.0**					
000D12	730	0.128	100.0	0.35	0	25.0	DRY	0.030
		0.128	**100.0**					
000D13	730	0.559	100.0	0.35	0	25.0	DRY	0.030
		0.559	**100.0**					
000D15	730	0.653	100.0	0.35	0	25.0	DRY	0.030
		0.653	**100.0**					
000D17	730	0.778	100.0	0.35	0	25.0	DRY	0.030
		0.778	**100.0**					
000D18	730	0.432	100.0	0.35	0	25.0	DRY	0.030
		0.432	**100.0**					
000D19	310	0.000		0.10	80	75.0	NORMAL	0.020
	710	0.011	4.4	0.20	0	90.0	NORMAL	0.100
	730	0.236	95.5	0.35	0	25.0	DRY	0.030
		0.247	**99.9**					
000D20	310	0.006	5.2	0.10	80	75.0	NORMAL	0.020
	710	0.014	12.3	0.20	0	90.0	NORMAL	0.100
	730	0.090	82.5	0.35	0	25.0	DRY	0.030
		0.110	**100.0**					
000D21	140	0.004	4.8	0.25	30	50.0	NORMAL	0.050
	310	0.014	18.0	0.10	80	75.0	NORMAL	0.020
	710	0.018	23.4	0.20	0	90.0	NORMAL	0.100
	730	0.042	53.8	0.35	0	25.0	DRY	0.030

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: D								
		0.077	**100.0**					
000D22	730	7.722	100.0	0.35	0	25.0	DRY	0.030
		7.722	**100.0**					
000D23	120	0.101	14.3	0.30	5	20.0	NORMAL	0.050
	730	0.608	85.7	0.35	0	25.0	DRY	0.030
		0.709	**100.0**					
000D24	120	0.287	66.5	0.30	5	20.0	NORMAL	0.050
	730	0.144	33.5	0.35	0	25.0	DRY	0.030
		0.431	**100.0**					
000D25	120	0.271	20.3	0.30	5	20.0	NORMAL	0.050
	140	0.406	30.4	0.25	30	50.0	NORMAL	0.050
	150	0.003	0.3	0.25	35	50.0	NORMAL	0.040
	710	0.001	0.1	0.20	0	90.0	NORMAL	0.100
	730	0.648	48.6	0.35	0	25.0	DRY	0.030
	820	0.004	0.3	0.25	45	65.0	NORMAL	0.020
		1.334	**100.0**					
000D26	120	0.001	0.1	0.30	5	20.0	NORMAL	0.050
	140	0.077	5.0	0.25	30	50.0	NORMAL	0.050
	150	0.035	2.3	0.25	35	50.0	NORMAL	0.040
	240	0.181	11.7	0.10	80	65.0	NORMAL	0.020
	310	0.029	1.9	0.10	80	75.0	NORMAL	0.020
	320	0.185	12.0	0.15	55	60.0	NORMAL	0.030
	730	1.038	67.2	0.35	0	25.0	DRY	0.030
		1.546	**100.2**					
000D27	730	0.260	100.0	0.35	0	25.0	DRY	0.030
		0.260	**100.0**					
000D28	110	0.001		0.30	5	30.0	NORMAL	0.050
	120	0.002	0.1	0.30	5	20.0	NORMAL	0.050
	140	0.202	11.2	0.25	30	50.0	NORMAL	0.050
	310	0.001		0.10	80	75.0	NORMAL	0.020
	730	1.603	88.7	0.35	0	25.0	DRY	0.030
		1.808	**100.0**					
000D29	110	0.001		0.30	5	30.0	NORMAL	0.050
	120	0.500	14.7	0.30	5	20.0	NORMAL	0.050
	140	0.008	0.2	0.25	30	50.0	NORMAL	0.050
	730	2.886	85.0	0.35	0	25.0	DRY	0.030
		3.395	**99.9**					
000D30	730	0.426	100.0	0.35	0	25.0	DRY	0.030
		0.426	**100.0**					
000D31	730	0.670	100.0	0.35	0	25.0	DRY	0.030
		0.670	**100.0**					
000D32	730	0.501	100.0	0.35	0	25.0	DRY	0.030
		0.501	**100.0**					
000D33	730	0.650	100.0	0.35	0	25.0	DRY	0.030
		0.650	**100.0**					
000D34	120	0.171	14.2	0.30	5	20.0	NORMAL	0.050
	140	0.507	42.2	0.25	30	50.0	NORMAL	0.050
	150	0.128	10.7	0.25	35	50.0	NORMAL	0.040
	170	0.054	4.5	0.25	45	50.0	NORMAL	0.040
	230	0.101	8.4	0.10	80	75.0	NORMAL	0.020

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: D								
000D34	730	0.242	20.1	0.35	0	25.0	DRY	0.030
		1.202	**100.1**					
000D35	120	0.026	2.1	0.30	5	20.0	NORMAL	0.050
	140	0.071	5.7	0.25	30	50.0	NORMAL	0.050
	310	0.004	0.3	0.10	80	75.0	NORMAL	0.020
	730	1.133	91.8	0.35	0	25.0	DRY	0.030
		1.234	**99.9**					
000D36	140	0.052	20.9	0.25	30	50.0	NORMAL	0.050
	150	0.026	10.5	0.25	35	50.0	NORMAL	0.040
	310	0.080	32.4	0.10	80	75.0	NORMAL	0.020
	730	0.090	36.2	0.35	0	25.0	DRY	0.030
		0.248	**100.0**					
000D37	140	0.028	10.1	0.25	30	50.0	NORMAL	0.050
	150	0.001	0.3	0.25	35	50.0	NORMAL	0.040
	310	0.004	1.4	0.10	80	75.0	NORMAL	0.020
	730	0.247	88.3	0.35	0	25.0	DRY	0.030
		0.279	**100.1**					
000D38	120	0.000	0.1	0.30	5	20.0	NORMAL	0.050
	140	0.111	30.4	0.25	30	50.0	NORMAL	0.050
	150	0.005	1.4	0.25	35	50.0	NORMAL	0.040
	170	0.002	0.6	0.25	45	50.0	NORMAL	0.040
	230	0.002	0.5	0.10	80	75.0	NORMAL	0.020
	310	0.006	1.7	0.10	80	75.0	NORMAL	0.020
	730	0.239	65.3	0.35	0	25.0	DRY	0.030
		0.365	**100.0**					
000D39	120	0.000		0.30	5	20.0	NORMAL	0.050
	140	0.222	76.0	0.25	30	50.0	NORMAL	0.050
	730	0.070	24.0	0.35	0	25.0	DRY	0.030
		0.292	**100.0**					
000D40	140	0.150	64.9	0.25	30	50.0	NORMAL	0.050
	730	0.081	35.1	0.35	0	25.0	DRY	0.030
		0.232	**100.0**					
000D41	120	0.003	1.0	0.30	5	20.0	NORMAL	0.050
	730	0.292	99.0	0.35	0	25.0	DRY	0.030
		0.295	**100.0**					
000D42	110	0.000		0.30	5	30.0	NORMAL	0.050
	120	0.001	0.7	0.30	5	20.0	NORMAL	0.050
	730	0.206	99.1	0.35	0	25.0	DRY	0.030
	740	0.000	0.2	0.00	0	0.0	WET	0.020
		0.208	**100.0**					
000D43	110	0.020	13.5	0.30	5	30.0	NORMAL	0.050
	730	0.121	80.3	0.35	0	25.0	DRY	0.030
	740	0.009	6.2	0.00	0	0.0	WET	0.020
		0.151	**100.0**					
000D44	730	0.330	99.6	0.35	0	25.0	DRY	0.030
	740	0.001	0.4	0.00	0	0.0	WET	0.020
		0.332	**100.0**					
000D45	730	0.262	100.0	0.35	0	25.0	DRY	0.030
		0.262	**100.0**					
000D46	730	0.055	100.0	0.35	0	25.0	DRY	0.030

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: D								
		0.055	**100.0**					
000D47	730	0.040	100.0	0.35	0	25.0	DRY	0.030
		0.040	**100.0**					

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: E								
E01	730	4.541	100.0	0.35	0	25.0	DRY	0.030
		4.541	**100.0**					
E02	730	6.365	100.0	0.35	0	25.0	DRY	0.030
		6.365	**100.0**					
E03	730	2.027	100.0	0.35	0	25.0	DRY	0.030
		2.027	**100.0**					
E04	110	0.039	2.2	0.30	5	30.0	NORMAL	0.050
	730	1.732	97.8	0.35	0	25.0	DRY	0.030
		1.771	**100.0**					
E05	110	0.042	1.0	0.30	5	30.0	NORMAL	0.050
	730	4.136	99.0	0.35	0	25.0	DRY	0.030
		4.177	**100.0**					
E06	730	1.056	100.0	0.35	0	25.0	DRY	0.030
		1.056	**100.0**					
E07	730	1.070	100.0	0.35	0	25.0	DRY	0.030
		1.070	**100.0**					
E08	120	0.043	4.4	0.30	5	20.0	NORMAL	0.050
	730	0.917	95.6	0.35	0	25.0	DRY	0.030
		0.959	**100.0**					
E09	730	0.303	100.0	0.35	0	25.0	DRY	0.030
		0.303	**100.0**					
E10	730	0.098	100.0	0.35	0	25.0	DRY	0.030
		0.098	**100.0**					
E11	730	2.267	100.0	0.35	0	25.0	DRY	0.030
		2.267	**100.0**					
E12	110	0.003	0.3	0.30	5	30.0	NORMAL	0.050
	120	0.504	48.1	0.30	5	20.0	NORMAL	0.050
	140	0.003	0.3	0.25	30	50.0	NORMAL	0.050
	161	0.003	0.2	0.25	45	50.0	NORMAL	0.030
	730	0.536	51.1	0.35	0	25.0	DRY	0.030
		1.048	**100.0**					
E13	730	1.531	100.0	0.35	0	25.0	DRY	0.030
		1.531	**100.0**					
E14	730	0.816	100.0	0.35	0	25.0	DRY	0.030
		0.816	**100.0**					
E15	120	0.070	7.6	0.30	5	20.0	NORMAL	0.050
	730	0.853	92.4	0.35	0	25.0	DRY	0.030
		0.923	**100.0**					
E16	730	0.785	100.0	0.35	0	25.0	DRY	0.030
		0.785	**100.0**					
E17	140	0.019	1.3	0.25	30	50.0	NORMAL	0.050
	730	1.459	98.7	0.35	0	25.0	DRY	0.030
		1.478	**100.0**					
E18	140	0.032	4.3	0.25	30	50.0	NORMAL	0.050
	730	0.698	95.7	0.35	0	25.0	DRY	0.030

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: E								
		0.730	**100.0**					
E19	140	0.032	6.9	0.25	30	50.0	NORMAL	0.050
	730	0.434	93.1	0.35	0	25.0	DRY	0.030
		0.466	**100.0**					
E20	140	0.307	60.4	0.25	30	50.0	NORMAL	0.050
	150	0.023	4.5	0.25	35	50.0	NORMAL	0.040
	180	0.024	4.8	0.25	50	50.0	NORMAL	0.030
	230	0.051	10.1	0.10	80	75.0	NORMAL	0.020
	730	0.103	20.3	0.35	0	25.0	DRY	0.030
		0.509	**100.1**					
E21	120	0.006	1.6	0.30	5	20.0	NORMAL	0.050
	140	0.151	43.1	0.25	30	50.0	NORMAL	0.050
	730	0.193	55.3	0.35	0	25.0	DRY	0.030
		0.349	**100.0**					
E22	120	0.137	12.4	0.30	5	20.0	NORMAL	0.050
	140	0.566	51.2	0.25	30	50.0	NORMAL	0.050
	150	0.011	1.0	0.25	35	50.0	NORMAL	0.040
	180	0.019	1.7	0.25	50	50.0	NORMAL	0.030
	230	0.009	0.9	0.10	80	75.0	NORMAL	0.020
	730	0.364	32.9	0.35	0	25.0	DRY	0.030
		1.105	**100.1**					
E23	140	0.097	30.0	0.25	30	50.0	NORMAL	0.050
	730	0.227	70.0	0.35	0	25.0	DRY	0.030
		0.325	**100.0**					
E24	140	0.054	20.6	0.25	30	50.0	NORMAL	0.050
	730	0.207	79.4	0.35	0	25.0	DRY	0.030
		0.261	**100.0**					
E25	120	0.341	20.8	0.30	5	20.0	NORMAL	0.050
	140	0.340	20.8	0.25	30	50.0	NORMAL	0.050
	150	0.580	35.4	0.25	35	50.0	NORMAL	0.040
	170	0.006	0.4	0.25	45	50.0	NORMAL	0.040
	180	0.024	1.4	0.25	50	50.0	NORMAL	0.030
	190	0.103	6.3	0.20	50	50.0	NORMAL	0.030
	230	0.004	0.2	0.10	80	75.0	NORMAL	0.020
	310	0.022	1.3	0.10	80	75.0	NORMAL	0.020
	550	0.078	4.8	0.10	80	75.0	NORMAL	0.020
	710	0.039	2.4	0.20	0	90.0	NORMAL	0.100
	730	0.089	5.4	0.35	0	25.0	DRY	0.030
	820	0.014	0.8	0.25	45	65.0	NORMAL	0.020
		1.639	**100.0**					
E26	140	0.085	33.5	0.25	30	50.0	NORMAL	0.050
	150	0.082	32.3	0.25	35	50.0	NORMAL	0.040
	230	0.024	9.4	0.10	80	75.0	NORMAL	0.020
	730	0.063	24.8	0.35	0	25.0	DRY	0.030
		0.253	**100.0**					
E27	140	0.088	69.3	0.25	30	50.0	NORMAL	0.050
	730	0.039	30.7	0.35	0	25.0	DRY	0.030
		0.128	**100.0**					
E28	140	0.181	89.0	0.25	30	50.0	NORMAL	0.050
	150	0.010	5.1	0.25	35	50.0	NORMAL	0.040
	730	0.012	5.8	0.35	0	25.0	DRY	0.030
		0.204	**99.9**					

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: E								
E29	140	0.336	59.9	0.25	30	50.0	NORMAL	0.050
	150	0.037	6.5	0.25	35	50.0	NORMAL	0.040
	180	0.013	2.2	0.25	50	50.0	NORMAL	0.030
	230	0.004	0.8	0.10	80	75.0	NORMAL	0.020
	730	0.171	30.5	0.35	0	25.0	DRY	0.030
		0.561	**99.9**					
E30	140	0.262	41.1	0.25	30	50.0	NORMAL	0.050
	310	0.108	17.0	0.10	80	75.0	NORMAL	0.020
	710	0.021	3.3	0.20	0	90.0	NORMAL	0.100
	730	0.233	36.5	0.35	0	25.0	DRY	0.030
	820	0.014	2.1	0.25	45	65.0	NORMAL	0.020
		0.637	**100.0**					
E31	140	0.196	51.6	0.25	30	50.0	NORMAL	0.050
	310	0.076	20.1	0.10	80	75.0	NORMAL	0.020
	710	0.022	5.8	0.20	0	90.0	NORMAL	0.100
	730	0.083	21.8	0.35	0	25.0	DRY	0.030
	820	0.003	0.7	0.25	45	65.0	NORMAL	0.020
		0.380	**100.0**					
E32	140	0.171	60.1	0.25	30	50.0	NORMAL	0.050
	310	0.054	19.0	0.10	80	75.0	NORMAL	0.020
	710	0.030	10.7	0.20	0	90.0	NORMAL	0.100
	730	0.028	9.7	0.35	0	25.0	DRY	0.030
	820	0.001	0.5	0.25	45	65.0	NORMAL	0.020
		0.284	**100.0**					
E33	140	0.007	14.6	0.25	30	50.0	NORMAL	0.050
	310	0.019	38.7	0.10	80	75.0	NORMAL	0.020
	710	0.022	44.4	0.20	0	90.0	NORMAL	0.100
	730	0.000	0.2	0.35	0	25.0	DRY	0.030
	820	0.001	2.0	0.25	45	65.0	NORMAL	0.020
		0.049	**99.9**					
E34	140	0.143	53.2	0.25	30	50.0	NORMAL	0.050
	150	0.125	46.8	0.25	35	50.0	NORMAL	0.040
		0.268	**100.0**					
E35	140	0.000	0.1	0.25	30	50.0	NORMAL	0.050
	150	0.330	90.4	0.25	35	50.0	NORMAL	0.040
	170	0.027	7.3	0.25	45	50.0	NORMAL	0.040
	180	0.008	2.2	0.25	50	50.0	NORMAL	0.030
		0.366	**100.0**					
E36	150	0.011	6.9	0.25	35	50.0	NORMAL	0.040
	180	0.083	51.0	0.25	50	50.0	NORMAL	0.030
	190	0.021	12.8	0.20	50	50.0	NORMAL	0.030
	230	0.002	1.5	0.10	80	75.0	NORMAL	0.020
	710	0.014	8.6	0.20	0	90.0	NORMAL	0.100
	820	0.032	19.3	0.25	45	65.0	NORMAL	0.020
		0.163	**100.1**					
E37	140	0.125	68.5	0.25	30	50.0	NORMAL	0.050
	150	0.054	29.8	0.25	35	50.0	NORMAL	0.040
	310	0.003	1.7	0.10	80	75.0	NORMAL	0.020
		0.182	**100.0**					
E38	140	0.069	14.4	0.25	30	50.0	NORMAL	0.050
	150	0.002	0.5	0.25	35	50.0	NORMAL	0.040
	170	0.000		0.25	45	50.0	NORMAL	0.040
	310	0.306	63.8	0.10	80	75.0	NORMAL	0.020
	550	0.022	4.5	0.10	80	75.0	NORMAL	0.020

* Non default value

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: E								
E38	710	0.054	11.3	0.20	0	90.0	NORMAL	0.100
	820	0.026	5.4	0.25	45	65.0	NORMAL	0.020
		0.480	**99.9**					
E41	310	0.263	39.2	0.10	80	75.0	NORMAL	0.020
	320	0.328	48.9	0.15	55	60.0	NORMAL	0.030
	730	0.066	9.8	0.35	0	25.0	DRY	0.030
	740	0.014	2.1	0.00	0	0.0	WET	0.020
		0.670	**100.0**					
E42	140	0.130	14.0	0.25	30	50.0	NORMAL	0.050
	150	0.465	50.3	0.25	35	50.0	NORMAL	0.040
	170	0.002	0.2	0.25	45	50.0	NORMAL	0.040
	180	0.061	6.6	0.25	50	50.0	NORMAL	0.030
	230	0.057	6.1	0.10	80	75.0	NORMAL	0.020
	240	0.142	15.3	0.10	80	65.0	NORMAL	0.020
	310	0.004	0.4	0.10	80	75.0	NORMAL	0.020
	320	0.018	1.9	0.15	55	60.0	NORMAL	0.030
	730	0.011	1.2	0.35	0	25.0	DRY	0.030
	820	0.036	3.8	0.25	45	65.0	NORMAL	0.020
		0.926	**99.8**					
E43	150	0.358	50.2	0.25	35	50.0	NORMAL	0.040
	170	0.027	3.8	0.25	45	50.0	NORMAL	0.040
	180	0.019	2.6	0.25	50	50.0	NORMAL	0.030
	230	0.106	14.9	0.10	80	75.0	NORMAL	0.020
	240	0.032	4.5	0.10	80	65.0	NORMAL	0.020
	310	0.139	19.4	0.10	80	75.0	NORMAL	0.020
	320	0.006	0.9	0.15	55	60.0	NORMAL	0.030
	820	0.027	3.8	0.25	45	65.0	NORMAL	0.020
		0.714	**100.1**					
E44	150	0.144	22.9	0.25	35	50.0	NORMAL	0.040
	180	0.003	0.4	0.25	50	50.0	NORMAL	0.030
	230	0.066	10.5	0.10	80	75.0	NORMAL	0.020
	240	0.029	4.6	0.10	80	65.0	NORMAL	0.020
	310	0.080	12.7	0.10	80	75.0	NORMAL	0.020
	320	0.005	0.8	0.15	55	60.0	NORMAL	0.030
	730	0.083	13.2	0.35	0	25.0	DRY	0.030
	820	0.219	34.8	0.25	45	65.0	NORMAL	0.020
		0.629	**99.9**					
E45	180	0.127	39.7	0.25	50	50.0	NORMAL	0.030
	240	0.002	0.7	0.10	80	65.0	NORMAL	0.020
	310	0.003	1.0	0.10	80	75.0	NORMAL	0.020
	521	0.002	0.7	0.35	45	80.0	NORMAL	0.020
	820	0.186	58.0	0.25	45	65.0	NORMAL	0.020
		0.320	**100.1**					
E46	180	0.001	0.2	0.25	50	50.0	NORMAL	0.030
	190	0.004	1.5	0.20	50	50.0	NORMAL	0.030
	240	0.219	92.2	0.10	80	65.0	NORMAL	0.020
	310	0.000		0.10	80	75.0	NORMAL	0.020
	820	0.015	6.1	0.25	45	65.0	NORMAL	0.020
		0.238	**100.0**					
E47	150	0.003	0.6	0.25	35	50.0	NORMAL	0.040
	180	0.177	36.0	0.25	50	50.0	NORMAL	0.030
	190	0.059	11.9	0.20	50	50.0	NORMAL	0.030
	310	0.254	51.5	0.10	80	75.0	NORMAL	0.020
	320	0.000		0.15	55	60.0	NORMAL	0.030
		0.493	**100.0**					

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: E								
E48	150	0.261	30.3	0.25	35	50.0	NORMAL	0.040
	310	0.386	44.8	0.10	80	75.0	NORMAL	0.020
	550	0.063	7.3	0.10	80	75.0	NORMAL	0.020
	730	0.152	17.7	0.35	0	25.0	DRY	0.030
		0.861	**100.1**					
E49	310	0.113	50.6	0.10	80	75.0	NORMAL	0.020
	320	0.025	11.1	0.15	55	60.0	NORMAL	0.030
	571	0.001	0.6	0.10	80	75.0	NORMAL	0.020
	730	0.085	37.8	0.35	0	25.0	DRY	0.030
		0.224	**100.1**					
E50	320	0.681	97.3	0.15	55	60.0	NORMAL	0.030
	571	0.019	2.7	0.10	80	75.0	NORMAL	0.020
		0.699	**100.0**					
E51	310	0.229	18.3	0.10	80	75.0	NORMAL	0.020
	320	0.890	71.0	0.15	55	60.0	NORMAL	0.030
	730	0.126	10.1	0.35	0	25.0	DRY	0.030
	740	0.008	0.6	0.00	0	0.0	WET	0.020
		1.253	**100.0**					
E52	320	0.164	100.0	0.15	55	60.0	NORMAL	0.030
		0.164	**100.0**					
E53	140	0.009	8.0	0.25	30	50.0	NORMAL	0.050
	310	0.057	51.6	0.10	80	75.0	NORMAL	0.020
	710	0.031	28.4	0.20	0	90.0	NORMAL	0.100
	730	0.011	9.6	0.35	0	25.0	DRY	0.030
	820	0.003	2.5	0.25	45	65.0	NORMAL	0.020
		0.110	**100.1**					
E54	140	0.000	0.1	0.25	30	50.0	NORMAL	0.050
	150	0.000	0.3	0.25	35	50.0	NORMAL	0.040
	170	0.000	0.2	0.25	45	50.0	NORMAL	0.040
	180	0.050	40.9	0.25	50	50.0	NORMAL	0.030
	190	0.000	0.1	0.20	50	50.0	NORMAL	0.030
	230	0.020	16.4	0.10	80	75.0	NORMAL	0.020
	710	0.028	23.3	0.20	0	90.0	NORMAL	0.100
	820	0.023	18.6	0.25	45	65.0	NORMAL	0.020
		0.122	**99.9**					

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: F								
F01	110	1.340	75.4	0.30	5	30.0	NORMAL	0.050
	730	0.438	24.6	0.35	0	25.0	DRY	0.030
		1.777	**100.0**					
F01A	730	0.410	100.0	0.35	0	25.0	DRY	0.030
		0.410	**100.0**					
F02	110	0.277	71.5	0.30	5	30.0	NORMAL	0.050
	730	0.110	28.5	0.35	0	25.0	DRY	0.030
		0.387	**100.0**					
F02A	730	0.636	100.0	0.35	0	25.0	DRY	0.030
		0.636	**100.0**					
F03	110	0.786	48.3	0.30	5	30.0	NORMAL	0.050
	730	0.843	51.7	0.35	0	25.0	DRY	0.030
		1.629	**100.0**					
F04	110	1.324	60.2	0.30	5	30.0	NORMAL	0.050
	730	0.875	39.8	0.35	0	25.0	DRY	0.030
		2.198	**100.0**					
F05	110	0.678	22.8	0.30	5	30.0	NORMAL	0.050
	730	2.290	77.2	0.35	0	25.0	DRY	0.030
		2.967	**100.0**					
F06	730	1.001	100.0	0.35	0	25.0	DRY	0.030
		1.001	**100.0**					
F07	110	0.615	16.7	0.30	5	30.0	NORMAL	0.050
	730	3.063	83.3	0.35	0	25.0	DRY	0.030
		3.678	**100.0**					
F08	110	0.645	73.4	0.30	5	30.0	NORMAL	0.050
	730	0.233	26.6	0.35	0	25.0	DRY	0.030
		0.878	**100.0**					
F09	110	0.366	13.6	0.30	5	30.0	NORMAL	0.050
	120	0.170	6.3	0.30	5	20.0	NORMAL	0.050
	140	0.439	16.3	0.25	30	50.0	NORMAL	0.050
	730	1.716	63.8	0.35	0	25.0	DRY	0.030
		2.691	**100.0**					
F10	120	0.503	22.4	0.30	5	20.0	NORMAL	0.050
	140	0.596	26.5	0.25	30	50.0	NORMAL	0.050
	730	1.149	51.1	0.35	0	25.0	DRY	0.030
		2.248	**100.0**					
F11	140	0.054	3.6	0.25	30	50.0	NORMAL	0.050
	730	1.431	96.4	0.35	0	25.0	DRY	0.030
		1.485	**100.0**					
F12	140	0.017	5.3	0.25	30	50.0	NORMAL	0.050
	730	0.296	94.7	0.35	0	25.0	DRY	0.030
		0.312	**100.0**					
F13	730	0.260	100.0	0.35	0	25.0	DRY	0.030
		0.260	**100.0**					
F14	120	0.064	16.5	0.30	5	20.0	NORMAL	0.050
	730	0.324	83.5	0.35	0	25.0	DRY	0.030
		0.388	**100.0**					

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: F								
F15	120	0.025	3.1	0.30	5	20.0	NORMAL	0.050
	140	0.392	50.0	0.25	30	50.0	NORMAL	0.050
	150	0.007	0.9	0.25	35	50.0	NORMAL	0.040
	230	0.042	5.4	0.10	80	75.0	NORMAL	0.020
	730	0.319	40.6	0.35	0	25.0	DRY	0.030
		0.784	**100.0**					
F16	730	0.110	100.0	0.35	0	25.0	DRY	0.030
		0.110	**100.0**					
F17	120	0.007	0.6	0.30	5	20.0	NORMAL	0.050
	730	1.152	99.4	0.35	0	25.0	DRY	0.030
		1.159	**100.0**					
F18	140	0.031	10.3	0.25	30	50.0	NORMAL	0.050
	730	0.271	89.7	0.35	0	25.0	DRY	0.030
		0.303	**100.0**					
F19	120	0.028	3.3	0.30	5	20.0	NORMAL	0.050
	140	0.352	41.4	0.25	30	50.0	NORMAL	0.050
	150	0.067	7.9	0.25	35	50.0	NORMAL	0.040
	170	0.009	1.1	0.25	45	50.0	NORMAL	0.040
	730	0.392	46.2	0.35	0	25.0	DRY	0.030
		0.849	**99.9**					
F20	150	0.481	60.4	0.25	35	50.0	NORMAL	0.040
	170	0.182	22.9	0.25	45	50.0	NORMAL	0.040
	180	0.035	4.4	0.25	50	50.0	NORMAL	0.030
	230	0.057	7.1	0.10	80	75.0	NORMAL	0.020
	240	0.008	1.0	0.10	80	65.0	NORMAL	0.020
	710	0.028	3.5	0.20	0	90.0	NORMAL	0.100
	730	0.001	0.1	0.35	0	25.0	DRY	0.030
	820	0.006	0.7	0.25	45	65.0	NORMAL	0.020
		0.797	**100.1**					
F21	120	0.310	58.2	0.30	5	20.0	NORMAL	0.050
	150	0.051	9.6	0.25	35	50.0	NORMAL	0.040
	170	0.015	2.8	0.25	45	50.0	NORMAL	0.040
	180	0.001	0.2	0.25	50	50.0	NORMAL	0.030
	730	0.156	29.2	0.35	0	25.0	DRY	0.030
		0.533	**100.0**					
F22	120	0.013	3.6	0.30	5	20.0	NORMAL	0.050
	730	0.353	96.4	0.35	0	25.0	DRY	0.030
		0.366	**100.0**					
F23	120	0.001	0.2	0.30	5	20.0	NORMAL	0.050
	140	0.000		0.25	30	50.0	NORMAL	0.050
	730	0.669	99.8	0.35	0	25.0	DRY	0.030
		0.670	**100.0**					
F24	140	0.002	0.2	0.25	30	50.0	NORMAL	0.050
	150	0.008	1.0	0.25	35	50.0	NORMAL	0.040
	170	0.000		0.25	45	50.0	NORMAL	0.040
	180	0.000		0.25	50	50.0	NORMAL	0.030
	730	0.789	98.8	0.35	0	25.0	DRY	0.030
		0.799	**100.0**					
F25	140	0.388	12.9	0.25	30	50.0	NORMAL	0.050
	150	0.746	24.9	0.25	35	50.0	NORMAL	0.040
	170	0.482	16.1	0.25	45	50.0	NORMAL	0.040
	180	0.127	4.3	0.25	50	50.0	NORMAL	0.030
	190	0.193	6.5	0.20	50	50.0	NORMAL	0.030

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: F								
F25	230	0.120	4.0	0.10	80	75.0	NORMAL	0.020
	550	0.065	2.2	0.10	80	75.0	NORMAL	0.020
	710	0.022	0.7	0.20	0	90.0	NORMAL	0.100
	730	0.790	26.4	0.35	0	25.0	DRY	0.030
	820	0.061	2.1	0.25	45	65.0	NORMAL	0.020
		2.994	**100.1**					
F26	140	0.017	3.5	0.25	30	50.0	NORMAL	0.050
	150	0.066	13.3	0.25	35	50.0	NORMAL	0.040
	170	0.071	14.4	0.25	45	50.0	NORMAL	0.040
	180	0.081	16.2	0.25	50	50.0	NORMAL	0.030
	190	0.026	5.2	0.20	50	50.0	NORMAL	0.030
	230	0.049	9.9	0.10	80	75.0	NORMAL	0.020
	550	0.027	5.5	0.10	80	75.0	NORMAL	0.020
	710	0.043	8.6	0.20	0	90.0	NORMAL	0.100
	820	0.116	23.4	0.25	45	65.0	NORMAL	0.020
		0.496	**100.0**					
F27	110	0.000		0.30	5	30.0	NORMAL	0.050
	120	0.033	4.9	0.30	5	20.0	NORMAL	0.050
	140	0.114	17.0	0.25	30	50.0	NORMAL	0.050
	150	0.005	0.7	0.25	35	50.0	NORMAL	0.040
	170	0.365	54.4	0.25	45	50.0	NORMAL	0.040
	180	0.007	1.0	0.25	50	50.0	NORMAL	0.030
	710	0.013	2.0	0.20	0	90.0	NORMAL	0.100
	730	0.128	19.1	0.35	0	25.0	DRY	0.030
	820	0.005	0.8	0.25	45	65.0	NORMAL	0.020
		0.671	**99.9**					
F28	110	0.008	1.6	0.30	5	30.0	NORMAL	0.050
	120	0.268	56.4	0.30	5	20.0	NORMAL	0.050
	140	0.063	13.3	0.25	30	50.0	NORMAL	0.050
	170	0.089	18.7	0.25	45	50.0	NORMAL	0.040
	230	0.006	1.3	0.10	80	75.0	NORMAL	0.020
	710	0.030	6.3	0.20	0	90.0	NORMAL	0.100
	730	0.012	2.4	0.35	0	25.0	DRY	0.030
	820	0.000		0.25	45	65.0	NORMAL	0.020
		0.474	**100.0**					
F29	110	0.001	0.2	0.30	5	30.0	NORMAL	0.050
	120	0.282	47.4	0.30	5	20.0	NORMAL	0.050
	140	0.000		0.25	30	50.0	NORMAL	0.050
	150	0.051	8.5	0.25	35	50.0	NORMAL	0.040
	170	0.133	22.4	0.25	45	50.0	NORMAL	0.040
	180	0.002	0.3	0.25	50	50.0	NORMAL	0.030
	710	0.015	2.6	0.20	0	90.0	NORMAL	0.100
	730	0.090	15.1	0.35	0	25.0	DRY	0.030
	820	0.021	3.5	0.25	45	65.0	NORMAL	0.020
		0.594	**100.0**					
F31	150	0.045	16.6	0.25	35	50.0	NORMAL	0.040
	170	0.050	18.2	0.25	45	50.0	NORMAL	0.040
	180	0.068	24.8	0.25	50	50.0	NORMAL	0.030
	230	0.097	35.5	0.10	80	75.0	NORMAL	0.020
	240	0.010	3.6	0.10	80	65.0	NORMAL	0.020
	720	0.000		0.20	5	90.0	NORMAL	0.100
	730	0.003	1.0	0.35	0	25.0	DRY	0.030
	820	0.001	0.2	0.25	45	65.0	NORMAL	0.020
		0.272	**99.9**					
F32	150	0.148	51.6	0.25	35	50.0	NORMAL	0.040
	170	0.091	31.8	0.25	45	50.0	NORMAL	0.040
	730	0.033	11.4	0.35	0	25.0	DRY	0.030

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: F								
F32	820	0.015	5.2	0.25	45	65.0	NORMAL	0.020
		0.287	**100.0**					
F33	110	0.003	0.6	0.30	5	30.0	NORMAL	0.050
	120	0.002	0.5	0.30	5	20.0	NORMAL	0.050
	150	0.372	75.5	0.25	35	50.0	NORMAL	0.040
	170	0.024	4.8	0.25	45	50.0	NORMAL	0.040
	230	0.080	16.1	0.10	80	75.0	NORMAL	0.020
	730	0.001	0.2	0.35	0	25.0	DRY	0.030
	820	0.011	2.2	0.25	45	65.0	NORMAL	0.020
		0.492	**99.9**					
F34	110	0.005	0.8	0.30	5	30.0	NORMAL	0.050
	150	0.387	64.9	0.25	35	50.0	NORMAL	0.040
	170	0.099	16.6	0.25	45	50.0	NORMAL	0.040
	230	0.002	0.4	0.10	80	75.0	NORMAL	0.020
	730	0.084	14.1	0.35	0	25.0	DRY	0.030
	820	0.019	3.3	0.25	45	65.0	NORMAL	0.020
		0.597	**100.1**					
F35	150	0.356	53.5	0.25	35	50.0	NORMAL	0.040
	170	0.042	6.4	0.25	45	50.0	NORMAL	0.040
	180	0.107	16.1	0.25	50	50.0	NORMAL	0.030
	190	0.049	7.3	0.20	50	50.0	NORMAL	0.030
	230	0.033	4.9	0.10	80	75.0	NORMAL	0.020
	240	0.048	7.2	0.10	80	65.0	NORMAL	0.020
	730	0.021	3.2	0.35	0	25.0	DRY	0.030
	820	0.010	1.5	0.25	45	65.0	NORMAL	0.020
		0.666	**100.1**					
F36	120	0.033	19.6	0.30	5	20.0	NORMAL	0.050
	170	0.070	42.0	0.25	45	50.0	NORMAL	0.040
	230	0.031	18.5	0.10	80	75.0	NORMAL	0.020
	710	0.027	16.0	0.20	0	90.0	NORMAL	0.100
	820	0.006	3.8	0.25	45	65.0	NORMAL	0.020
		0.167	**99.9**					

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: G								
G01	110	0.074	4.6	0.30	5	30.0	NORMAL	0.050
	730	1.511	95.4	0.35	0	25.0	DRY	0.030
		1.584	**100.0**					
G02	730	2.061	100.0	0.35	0	25.0	DRY	0.030
		2.061	**100.0**					
G03	730	2.459	100.0	0.35	0	25.0	DRY	0.030
		2.459	**100.0**					
G04	730	2.342	100.0	0.35	0	25.0	DRY	0.030
		2.342	**100.0**					
G05	730	1.579	100.0	0.35	0	25.0	DRY	0.030
		1.579	**100.0**					
G06	730	2.145	100.0	0.35	0	25.0	DRY	0.030
		2.145	**100.0**					
G07	730	1.358	100.0	0.35	0	25.0	DRY	0.030
		1.358	**100.0**					
G08	730	0.401	100.0	0.35	0	25.0	DRY	0.030
		0.401	**100.0**					
G09	110	0.051	7.2	0.30	5	30.0	NORMAL	0.050
	730	0.651	92.8	0.35	0	25.0	DRY	0.030
		0.702	**100.0**					
G10	110	0.048	11.0	0.30	5	30.0	NORMAL	0.050
	730	0.391	89.0	0.35	0	25.0	DRY	0.030
		0.439	**100.0**					
G11	110	0.377	62.4	0.30	5	30.0	NORMAL	0.050
	730	0.228	37.6	0.35	0	25.0	DRY	0.030
		0.605	**100.0**					
G12	110	0.200	19.4	0.30	5	30.0	NORMAL	0.050
	730	0.832	80.6	0.35	0	25.0	DRY	0.030
		1.032	**100.0**					
G13	110	0.177	35.4	0.30	5	30.0	NORMAL	0.050
	730	0.322	64.6	0.35	0	25.0	DRY	0.030
		0.498	**100.0**					
G14	110	0.026	18.8	0.30	5	30.0	NORMAL	0.050
	730	0.110	81.2	0.35	0	25.0	DRY	0.030
		0.136	**100.0**					
G16	120	0.005	0.3	0.30	5	20.0	NORMAL	0.050
	310	0.017	1.2	0.10	80	75.0	NORMAL	0.020
	620	0.234	16.4	0.15	55	60.0	NORMAL	0.020
	730	1.165	81.9	0.35	0	25.0	DRY	0.030
	740	0.003	0.2	0.00	0	0.0	WET	0.020
		1.423	**100.0**					
G17	310	0.080	13.2	0.10	80	75.0	NORMAL	0.020
	620	0.478	79.4	0.15	55	60.0	NORMAL	0.020
	730	0.033	5.4	0.35	0	25.0	DRY	0.030
	740	0.012	1.9	0.00	0	0.0	WET	0.020
		0.602	**99.9**					
G18	120	0.051	15.9	0.30	5	20.0	NORMAL	0.050

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: G								
G18	730	0.271	84.1	0.35	0	25.0	DRY	0.030
		0.322	**100.0**					
G19	120	0.117	17.5	0.30	5	20.0	NORMAL	0.050
	730	0.553	82.5	0.35	0	25.0	DRY	0.030
		0.671	**100.0**					
G20	730	0.236	100.0	0.35	0	25.0	DRY	0.030
		0.236	**100.0**					
G21	140	0.318	16.3	0.25	30	50.0	NORMAL	0.050
	170	0.761	38.9	0.25	45	50.0	NORMAL	0.040
	180	0.001		0.25	50	50.0	NORMAL	0.030
	553	0.013	0.7	0.10	80	75.0	NORMAL	0.020
	710	0.000		0.20	0	90.0	NORMAL	0.100
	730	0.863	44.1	0.35	0	25.0	DRY	0.030
		1.955	**100.0**					
G22	140	0.413	36.8	0.25	30	50.0	NORMAL	0.050
	150	0.015	1.3	0.25	35	50.0	NORMAL	0.040
	170	0.116	10.3	0.25	45	50.0	NORMAL	0.040
	730	0.580	51.6	0.35	0	25.0	DRY	0.030
		1.124	**100.0**					
G23	120	0.052	4.3	0.30	5	20.0	NORMAL	0.050
	140	0.251	21.0	0.25	30	50.0	NORMAL	0.050
	150	0.302	25.2	0.25	35	50.0	NORMAL	0.040
	730	0.592	49.5	0.35	0	25.0	DRY	0.030
		1.197	**100.0**					
G24	120	0.007	2.0	0.30	5	20.0	NORMAL	0.050
	140	0.134	38.4	0.25	30	50.0	NORMAL	0.050
	150	0.014	4.0	0.25	35	50.0	NORMAL	0.040
	730	0.194	55.5	0.35	0	25.0	DRY	0.030
		0.349	**99.9**					
G25	120	0.119	33.1	0.30	5	20.0	NORMAL	0.050
	140	0.117	32.8	0.25	30	50.0	NORMAL	0.050
	730	0.122	34.1	0.35	0	25.0	DRY	0.030
		0.358	**100.0**					
G26A	120	0.229	23.0	0.30	5	20.0	NORMAL	0.050
	140	0.069	6.9	0.25	30	50.0	NORMAL	0.050
	730	0.699	70.1	0.35	0	25.0	DRY	0.030
		0.998	**100.0**					
G26B	120	0.162	95.2	0.30	5	20.0	NORMAL	0.050
	730	0.008	4.8	0.35	0	25.0	DRY	0.030
		0.170	**100.0**					
G27	120	0.249	17.6	0.30	5	20.0	NORMAL	0.050
	310	0.352	25.0	0.10	80	75.0	NORMAL	0.020
	320	0.004	0.3	0.15	55	60.0	NORMAL	0.030
	730	0.804	57.1	0.35	0	25.0	DRY	0.030
		1.408	**100.0**					
G28	310	0.249	88.5	0.10	80	75.0	NORMAL	0.020
	730	0.031	10.9	0.35	0	25.0	DRY	0.030
	740	0.002	0.7	0.00	0	0.0	WET	0.020
		0.282	**100.1**					
G29	310	0.001		0.10	80	75.0	NORMAL	0.020
	730	2.810	100.0	0.35	0	25.0	DRY	0.030

* Non default value

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: G								
G29	740	0.001		0.00	0	0.0	WET	0.020
		2.812	**100.0**					
G30	730	3.704	100.0	0.35	0	25.0	DRY	0.030
		3.704	**100.0**					
G31	730	0.182	100.0	0.35	0	25.0	DRY	0.030
		0.182	**100.0**					
G32	730	1.142	100.0	0.35	0	25.0	DRY	0.030
		1.142	**100.0**					
G33	110	0.000		0.30	5	30.0	NORMAL	0.050
	730	0.744	100.0	0.35	0	25.0	DRY	0.030
		0.744	**100.0**					
G34	110	0.017	8.3	0.30	5	30.0	NORMAL	0.050
	730	0.188	91.7	0.35	0	25.0	DRY	0.030
		0.205	**100.0**					
G35	110	0.019	3.7	0.30	5	30.0	NORMAL	0.050
	730	0.508	96.3	0.35	0	25.0	DRY	0.030
		0.527	**100.0**					
G36	110	0.018	1.8	0.30	5	30.0	NORMAL	0.050
	730	0.979	98.2	0.35	0	25.0	DRY	0.030
		0.997	**100.0**					
G37	110	0.080	19.5	0.30	5	30.0	NORMAL	0.050
	730	0.328	80.5	0.35	0	25.0	DRY	0.030
		0.408	**100.0**					
G38	110	0.161	48.0	0.30	5	30.0	NORMAL	0.050
	730	0.156	46.4	0.35	0	25.0	DRY	0.030
	740	0.019	5.6	0.00	0	0.0	WET	0.020
		0.336	**100.0**					
G39	110	0.224	29.4	0.30	5	30.0	NORMAL	0.050
	730	0.504	66.1	0.35	0	25.0	DRY	0.030
	740	0.035	4.6	0.00	0	0.0	WET	0.020
		0.763	**100.1**					
G40	110	0.298	19.6	0.30	5	30.0	NORMAL	0.050
	120	0.065	4.3	0.30	5	20.0	NORMAL	0.050
	140	0.010	0.7	0.25	30	50.0	NORMAL	0.050
	730	1.149	75.5	0.35	0	25.0	DRY	0.030
		1.521	**100.1**					
G41	110	0.151	35.7	0.30	5	30.0	NORMAL	0.050
	120	0.134	31.7	0.30	5	20.0	NORMAL	0.050
	140	0.065	15.3	0.25	30	50.0	NORMAL	0.050
	150	0.001	0.2	0.25	35	50.0	NORMAL	0.040
	730	0.072	17.1	0.35	0	25.0	DRY	0.030
		0.423	**100.0**					
G42	110	0.039	5.6	0.30	5	30.0	NORMAL	0.050
	120	0.082	11.8	0.30	5	20.0	NORMAL	0.050
	140	0.112	16.2	0.25	30	50.0	NORMAL	0.050
	150	0.161	23.2	0.25	35	50.0	NORMAL	0.040
	170	0.004	0.5	0.25	45	50.0	NORMAL	0.040
	730	0.296	42.7	0.35	0	25.0	DRY	0.030
		0.694	**100.0**					

* Non default value

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: G								
G43	730	2.170	100.0	0.35	0	25.0	DRY	0.030
		2.170	**100.0**					
G44	730	0.720	100.0	0.35	0	25.0	DRY	0.030
		0.720	**100.0**					
G45	730	1.997	100.0	0.35	0	25.0	DRY	0.030
		1.997	**100.0**					
G46	730	1.413	100.0	0.35	0	25.0	DRY	0.030
		1.413	**100.0**					
G47	730	0.121	100.0	0.35	0	25.0	DRY	0.030
		0.121	**100.0**					
G48	730	1.909	100.0	0.35	0	25.0	DRY	0.030
		1.909	**100.0**					

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: H								
H01	730	1.613	100.0	0.35	0	25.0	DRY	0.030
		1.613	**100.0**					
H02	730	1.584	100.0	0.35	0	25.0	DRY	0.030
		1.584	**100.0**					
H03	730	2.186	100.0	0.35	0	25.0	DRY	0.030
		2.186	**100.0**					
H04	730	1.207	100.0	0.35	0	25.0	DRY	0.030
		1.207	**100.0**					
H05	730	1.506	100.0	0.35	0	25.0	DRY	0.030
		1.506	**100.0**					
H06	130	0.050	4.0	0.30	15	50.0	NORMAL	0.050
	730	1.177	96.0	0.35	0	25.0	DRY	0.030
		1.227	**100.0**					
H07	130	0.684	97.1	0.30	15	50.0	NORMAL	0.050
	220	0.005	0.7	0.10	80	65.0	NORMAL	0.020
	730	0.015	2.1	0.35	0	25.0	DRY	0.030
		0.705	**99.9**					
H08	130	0.061	7.1	0.30	15	50.0	NORMAL	0.050
	730	0.798	92.9	0.35	0	25.0	DRY	0.030
		0.859	**100.0**					
H09	730	1.106	100.0	0.35	0	25.0	DRY	0.030
		1.106	**100.0**					
H10	130	0.172	32.5	0.30	15	50.0	NORMAL	0.050
	220	0.035	6.6	0.10	80	65.0	NORMAL	0.020
	730	0.321	60.8	0.35	0	25.0	DRY	0.030
		0.528	**99.9**					
H11	130	0.113	41.3	0.30	15	50.0	NORMAL	0.050
	220	0.078	28.6	0.10	80	65.0	NORMAL	0.020
	730	0.082	30.0	0.35	0	25.0	DRY	0.030
		0.273	**99.9**					
H12	130	0.072	14.9	0.30	15	50.0	NORMAL	0.050
	730	0.412	85.1	0.35	0	25.0	DRY	0.030
		0.484	**100.0**					
H13	130	0.494	95.2	0.30	15	50.0	NORMAL	0.050
	730	0.025	4.8	0.35	0	25.0	DRY	0.030
		0.519	**100.0**					
H14	130	0.461	55.6	0.30	15	50.0	NORMAL	0.050
	730	0.368	44.4	0.35	0	25.0	DRY	0.030
		0.828	**100.0**					
H15A	130	0.004	0.8	0.30	15	50.0	NORMAL	0.050
	730	0.474	99.2	0.35	0	25.0	DRY	0.030
		0.478	**100.0**					
H15B	730	0.297	100.0	0.35	0	25.0	DRY	0.030
		0.297	**100.0**					
H16	130	0.001	0.5	0.30	15	50.0	NORMAL	0.050
	730	0.308	99.5	0.35	0	25.0	DRY	0.030

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: H								
		0.310	**100.0**					
H17	130	0.033	7.3	0.30	15	50.0	NORMAL	0.050
	730	0.420	92.7	0.35	0	25.0	DRY	0.030
		0.453	**100.0**					
H18	130	0.292	66.6	0.30	15	50.0	NORMAL	0.050
	220	0.018	4.0	0.10	80	65.0	NORMAL	0.020
	730	0.129	29.4	0.35	0	25.0	DRY	0.030
		0.439	**100.0**					
H20	130	0.118	23.7	0.30	15	50.0	NORMAL	0.050
	220	0.203	40.9	0.10	80	65.0	NORMAL	0.020
	730	0.176	35.4	0.35	0	25.0	DRY	0.030
		0.496	**100.0**					
H22	130	0.101	6.9	0.30	15	50.0	NORMAL	0.050
	730	1.360	93.1	0.35	0	25.0	DRY	0.030
		1.461	**100.0**					
H23	130	0.599	84.7	0.30	15	50.0	NORMAL	0.050
	730	0.108	15.3	0.35	0	25.0	DRY	0.030
		0.707	**100.0**					
H24	110	0.005	1.2	0.30	5	30.0	NORMAL	0.050
	130	0.031	7.5	0.30	15	50.0	NORMAL	0.050
	730	0.380	91.3	0.35	0	25.0	DRY	0.030
		0.416	**100.0**					
H25	130	0.146	46.1	0.30	15	50.0	NORMAL	0.050
	730	0.171	53.9	0.35	0	25.0	DRY	0.030
		0.317	**100.0**					
H26	110	0.025	3.3	0.30	5	30.0	NORMAL	0.050
	130	0.664	88.2	0.30	15	50.0	NORMAL	0.050
	730	0.065	8.6	0.35	0	25.0	DRY	0.030
		0.754	**100.1**					
H27	130	0.272	71.1	0.30	15	50.0	NORMAL	0.050
	220	0.066	17.2	0.10	80	65.0	NORMAL	0.020
	730	0.045	11.7	0.35	0	25.0	DRY	0.030
		0.383	**100.0**					
H28	130	0.713	99.2	0.30	15	50.0	NORMAL	0.050
	730	0.006	0.8	0.35	0	25.0	DRY	0.030
		0.719	**100.0**					
H29	130	0.866	83.3	0.30	15	50.0	NORMAL	0.050
	730	0.174	16.7	0.35	0	25.0	DRY	0.030
		1.041	**100.0**					
H30	130	0.468	98.0	0.30	15	50.0	NORMAL	0.050
	161	0.008	1.6	0.25	45	50.0	NORMAL	0.030
	730	0.002	0.4	0.35	0	25.0	DRY	0.030
		0.477	**100.0**					
H31	130	0.248	66.4	0.30	15	50.0	NORMAL	0.050
	730	0.126	33.6	0.35	0	25.0	DRY	0.030
		0.373	**100.0**					
H32	130	0.351	49.2	0.30	15	50.0	NORMAL	0.050
	730	0.363	50.8	0.35	0	25.0	DRY	0.030

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: H								
		0.714	**100.0**					
H33	130	0.289	26.7	0.30	15	50.0	NORMAL	0.050
	730	0.794	73.3	0.35	0	25.0	DRY	0.030
		1.083	**100.0**					
H34	130	0.158	38.7	0.30	15	50.0	NORMAL	0.050
	730	0.249	61.3	0.35	0	25.0	DRY	0.030
		0.407	**100.0**					
H35	130	0.497	38.1	0.30	15	50.0	NORMAL	0.050
	220	0.155	11.9	0.10	80	65.0	NORMAL	0.020
	730	0.654	50.1	0.35	0	25.0	DRY	0.030
		1.305	**100.1**					
H36	130	0.401	91.8	0.30	15	50.0	NORMAL	0.050
	730	0.036	8.2	0.35	0	25.0	DRY	0.030
		0.437	**100.0**					
H37	130	0.563	100.0	0.30	15	50.0	NORMAL	0.050
		0.563	**100.0**					
H38	130	0.467	97.0	0.30	15	50.0	NORMAL	0.050
	220	0.014	3.0	0.10	80	65.0	NORMAL	0.020
		0.481	**100.0**					
H39	120	0.071	18.6	0.30	5	20.0	NORMAL	0.050
	130	0.306	80.6	0.30	15	50.0	NORMAL	0.050
	140	0.003	0.8	0.25	30	50.0	NORMAL	0.050
		0.379	**100.0**					
H40	120	0.435	92.6	0.30	5	20.0	NORMAL	0.050
	140	0.006	1.3	0.25	30	50.0	NORMAL	0.050
	150	0.029	6.1	0.25	35	50.0	NORMAL	0.040
		0.470	**100.0**					
H41	120	0.278	92.6	0.30	5	20.0	NORMAL	0.050
	140	0.022	7.4	0.25	30	50.0	NORMAL	0.050
		0.300	**100.0**					
H42	120	0.273	61.8	0.30	5	20.0	NORMAL	0.050
	130	0.142	32.2	0.30	15	50.0	NORMAL	0.050
	140	0.027	6.0	0.25	30	50.0	NORMAL	0.050
		0.442	**100.0**					
H43	120	0.120	54.5	0.30	5	20.0	NORMAL	0.050
	130	0.079	35.7	0.30	15	50.0	NORMAL	0.050
	140	0.022	9.8	0.25	30	50.0	NORMAL	0.050
		0.220	**100.0**					
H44	120	0.172	31.1	0.30	5	20.0	NORMAL	0.050
	130	0.282	50.9	0.30	15	50.0	NORMAL	0.050
	140	0.041	7.4	0.25	30	50.0	NORMAL	0.050
	150	0.004	0.7	0.25	35	50.0	NORMAL	0.040
	610	0.003	0.6	0.10	80	75.0	NORMAL	0.020
	730	0.052	9.3	0.35	0	25.0	DRY	0.030
		0.554	**100.0**					
H45	130	0.073	26.2	0.30	15	50.0	NORMAL	0.050
	140	0.010	3.6	0.25	30	50.0	NORMAL	0.050
	730	0.196	70.3	0.35	0	25.0	DRY	0.030
		0.279	**100.1**					

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: H								
H46	130	0.151	47.7	0.30	15	50.0	NORMAL	0.050
	140	0.026	8.1	0.25	30	50.0	NORMAL	0.050
	730	0.139	44.2	0.35	0	25.0	DRY	0.030
		0.316	**100.0**					
H47	120	0.003	0.7	0.30	5	20.0	NORMAL	0.050
	130	0.219	57.1	0.30	15	50.0	NORMAL	0.050
	140	0.003	0.7	0.25	30	50.0	NORMAL	0.050
	730	0.159	41.5	0.35	0	25.0	DRY	0.030
		0.383	**100.0**					
H48	130	0.008	2.3	0.30	15	50.0	NORMAL	0.050
	730	0.326	97.7	0.35	0	25.0	DRY	0.030
		0.334	**100.0**					
H49	120	0.002	0.4	0.30	5	20.0	NORMAL	0.050
	130	0.260	54.4	0.30	15	50.0	NORMAL	0.050
	730	0.216	45.2	0.35	0	25.0	DRY	0.030
		0.478	**100.0**					
H50	120	0.001	0.1	0.30	5	20.0	NORMAL	0.050
	130	0.372	59.5	0.30	15	50.0	NORMAL	0.050
	730	0.253	40.4	0.35	0	25.0	DRY	0.030
		0.625	**100.0**					
H51	130	0.172	56.7	0.30	15	50.0	NORMAL	0.050
	730	0.132	43.3	0.35	0	25.0	DRY	0.030
		0.304	**100.0**					
H52	130	0.051	22.8	0.30	15	50.0	NORMAL	0.050
	730	0.174	77.2	0.35	0	25.0	DRY	0.030
		0.225	**100.0**					
H53	130	0.295	76.4	0.30	15	50.0	NORMAL	0.050
	730	0.091	23.6	0.35	0	25.0	DRY	0.030
		0.386	**100.0**					
H54	120	0.005	2.4	0.30	5	20.0	NORMAL	0.050
	130	0.208	97.6	0.30	15	50.0	NORMAL	0.050
		0.213	**100.0**					
H55	110	0.241	71.0	0.30	5	30.0	NORMAL	0.050
	130	0.010	2.8	0.30	15	50.0	NORMAL	0.050
	730	0.089	26.2	0.35	0	25.0	DRY	0.030
		0.339	**100.0**					
H56	110	0.039	9.9	0.30	5	30.0	NORMAL	0.050
	730	0.355	90.1	0.35	0	25.0	DRY	0.030
		0.395	**100.0**					
H57	110	0.000		0.30	5	30.0	NORMAL	0.050
	120	0.104	24.7	0.30	5	20.0	NORMAL	0.050
	140	0.054	12.8	0.25	30	50.0	NORMAL	0.050
	730	0.263	62.5	0.35	0	25.0	DRY	0.030
		0.421	**100.0**					
H58	110	0.129	42.2	0.30	5	30.0	NORMAL	0.050
	130	0.176	57.8	0.30	15	50.0	NORMAL	0.050
		0.305	**100.0**					
H59	110	0.037	9.6	0.30	5	30.0	NORMAL	0.050
	130	0.002	0.5	0.30	15	50.0	NORMAL	0.050
	730	0.346	89.8	0.35	0	25.0	DRY	0.030

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: H								
		0.386	**99.9**					
H60	110	0.082	14.9	0.30	5	30.0	NORMAL	0.050
	140	0.141	25.5	0.25	30	50.0	NORMAL	0.050
	730	0.329	59.6	0.35	0	25.0	DRY	0.030
		0.551	**100.0**					
H61	110	0.143	30.3	0.30	5	30.0	NORMAL	0.050
	140	0.159	33.6	0.25	30	50.0	NORMAL	0.050
	730	0.171	36.1	0.35	0	25.0	DRY	0.030
		0.473	**100.0**					
H62	130	0.458	92.6	0.30	15	50.0	NORMAL	0.050
	730	0.037	7.4	0.35	0	25.0	DRY	0.030
		0.494	**100.0**					
H63	130	0.038	22.5	0.30	15	50.0	NORMAL	0.050
	730	0.130	77.5	0.35	0	25.0	DRY	0.030
		0.167	**100.0**					
H65	110	0.031	7.3	0.30	5	30.0	NORMAL	0.050
	130	0.301	72.3	0.30	15	50.0	NORMAL	0.050
	730	0.085	20.4	0.35	0	25.0	DRY	0.030
		0.416	**100.0**					
H66	130	0.501	69.3	0.30	15	50.0	NORMAL	0.050
	730	0.221	30.7	0.35	0	25.0	DRY	0.030
		0.722	**100.0**					
H67	110	0.000	0.1	0.30	5	30.0	NORMAL	0.050
	120	0.006	3.1	0.30	5	20.0	NORMAL	0.050
	130	0.063	33.7	0.30	15	50.0	NORMAL	0.050
	140	0.036	19.3	0.25	30	50.0	NORMAL	0.050
	730	0.082	43.8	0.35	0	25.0	DRY	0.030
		0.186	**100.0**					
H68	140	0.095	28.0	0.25	30	50.0	NORMAL	0.050
	150	0.060	17.6	0.25	35	50.0	NORMAL	0.040
	170	0.078	23.1	0.25	45	50.0	NORMAL	0.040
	230	0.042	12.3	0.10	80	75.0	NORMAL	0.020
	730	0.065	19.0	0.35	0	25.0	DRY	0.030
		0.339	**100.0**					
H69	140	0.313	59.1	0.25	30	50.0	NORMAL	0.050
	150	0.043	8.1	0.25	35	50.0	NORMAL	0.040
	170	0.108	20.5	0.25	45	50.0	NORMAL	0.040
	230	0.028	5.4	0.10	80	75.0	NORMAL	0.020
	730	0.037	7.0	0.35	0	25.0	DRY	0.030
		0.530	**100.1**					
H70	120	0.000		0.30	5	20.0	NORMAL	0.050
	130	0.070	14.1	0.30	15	50.0	NORMAL	0.050
	140	0.256	51.8	0.25	30	50.0	NORMAL	0.050
	150	0.032	6.5	0.25	35	50.0	NORMAL	0.040
	730	0.136	27.6	0.35	0	25.0	DRY	0.030
		0.493	**100.0**					
H71	120	0.137	21.1	0.30	5	20.0	NORMAL	0.050
	130	0.280	43.2	0.30	15	50.0	NORMAL	0.050
	730	0.231	35.6	0.35	0	25.0	DRY	0.030
		0.648	**99.9**					
H72	120	0.201	47.7	0.30	5	20.0	NORMAL	0.050

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: H								
H72	140	0.130	30.9	0.25	30	50.0	NORMAL	0.050
	610	0.000		0.10	80	75.0	NORMAL	0.020
	730	0.090	21.4	0.35	0	25.0	DRY	0.030
		0.422	**100.0**					
H73	120	0.289	99.8	0.30	5	20.0	NORMAL	0.050
	130	0.001	0.2	0.30	15	50.0	NORMAL	0.050
		0.290	**100.0**					
H74	120	0.249	31.1	0.30	5	20.0	NORMAL	0.050
	140	0.355	44.3	0.25	30	50.0	NORMAL	0.050
	150	0.066	8.2	0.25	35	50.0	NORMAL	0.040
	610	0.025	3.1	0.10	80	75.0	NORMAL	0.020
	730	0.107	13.3	0.35	0	25.0	DRY	0.030
		0.802	**100.0**					
H75	120	0.681	91.1	0.30	5	20.0	NORMAL	0.050
	140	0.056	7.5	0.25	30	50.0	NORMAL	0.050
	150	0.007	0.9	0.25	35	50.0	NORMAL	0.040
	610	0.004	0.5	0.10	80	75.0	NORMAL	0.020
		0.747	**100.0**					
H76	140	0.169	22.5	0.25	30	50.0	NORMAL	0.050
	150	0.102	13.5	0.25	35	50.0	NORMAL	0.040
	170	0.253	33.7	0.25	45	50.0	NORMAL	0.040
	180	0.036	4.8	0.25	50	50.0	NORMAL	0.030
	190	0.077	10.2	0.20	50	50.0	NORMAL	0.030
	230	0.047	6.2	0.10	80	75.0	NORMAL	0.020
	310	0.001	0.1	0.10	80	75.0	NORMAL	0.020
	610	0.066	8.8	0.10	80	75.0	NORMAL	0.020
	730	0.001	0.2	0.35	0	25.0	DRY	0.030
		0.752	**100.0**					
H77	140	0.148	54.2	0.25	30	50.0	NORMAL	0.050
	180	0.003	1.0	0.25	50	50.0	NORMAL	0.030
	230	0.000		0.10	80	75.0	NORMAL	0.020
	610	0.013	4.9	0.10	80	75.0	NORMAL	0.020
	730	0.109	40.0	0.35	0	25.0	DRY	0.030
		0.274	**100.1**					
H78	140	0.233	47.6	0.25	30	50.0	NORMAL	0.050
	150	0.237	48.5	0.25	35	50.0	NORMAL	0.040
	610	0.019	3.8	0.10	80	75.0	NORMAL	0.020
		0.489	**99.9**					
H79	140	0.041	8.2	0.25	30	50.0	NORMAL	0.050
	150	0.088	17.5	0.25	35	50.0	NORMAL	0.040
	170	0.032	6.3	0.25	45	50.0	NORMAL	0.040
	180	0.097	19.2	0.25	50	50.0	NORMAL	0.030
	190	0.030	5.9	0.20	50	50.0	NORMAL	0.030
	230	0.063	12.5	0.10	80	75.0	NORMAL	0.020
	310	0.124	24.6	0.10	80	75.0	NORMAL	0.020
	610	0.029	5.8	0.10	80	75.0	NORMAL	0.020
		0.503	**100.0**					
H80	140	0.054	11.8	0.25	30	50.0	NORMAL	0.050
	150	0.147	32.2	0.25	35	50.0	NORMAL	0.040
	180	0.034	7.3	0.25	50	50.0	NORMAL	0.030
	230	0.037	8.0	0.10	80	75.0	NORMAL	0.020
	310	0.090	19.5	0.10	80	75.0	NORMAL	0.020
	610	0.010	2.2	0.10	80	75.0	NORMAL	0.020
	730	0.087	18.9	0.35	0	25.0	DRY	0.030

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: H								
		0.458	**99.9**					
H81	140	0.117	47.9	0.25	30	50.0	NORMAL	0.050
	150	0.116	47.6	0.25	35	50.0	NORMAL	0.040
	170	0.001	0.6	0.25	45	50.0	NORMAL	0.040
	610	0.010	3.9	0.10	80	75.0	NORMAL	0.020
		0.243	**100.0**					
H82	140	0.045	8.9	0.25	30	50.0	NORMAL	0.050
	150	0.098	19.5	0.25	35	50.0	NORMAL	0.040
	170	0.103	20.6	0.25	45	50.0	NORMAL	0.040
	180	0.138	27.5	0.25	50	50.0	NORMAL	0.030
	190	0.091	18.1	0.20	50	50.0	NORMAL	0.030
	610	0.027	5.3	0.10	80	75.0	NORMAL	0.020
		0.502	**99.9**					
H83	140	0.501	75.9	0.25	30	50.0	NORMAL	0.050
	150	0.032	4.9	0.25	35	50.0	NORMAL	0.040
	610	0.002	0.2	0.10	80	75.0	NORMAL	0.020
	730	0.125	18.9	0.35	0	25.0	DRY	0.030
		0.660	**99.9**					
H84	140	0.263	34.8	0.25	30	50.0	NORMAL	0.050
	150	0.346	45.7	0.25	35	50.0	NORMAL	0.040
	170	0.063	8.3	0.25	45	50.0	NORMAL	0.040
	180	0.006	0.8	0.25	50	50.0	NORMAL	0.030
	190	0.023	3.0	0.20	50	50.0	NORMAL	0.030
	610	0.056	7.3	0.10	80	75.0	NORMAL	0.020
		0.756	**99.9**					
H85	140	0.174	17.8	0.25	30	50.0	NORMAL	0.050
	150	0.337	34.6	0.25	35	50.0	NORMAL	0.040
	180	0.063	6.4	0.25	50	50.0	NORMAL	0.030
	190	0.002	0.2	0.20	50	50.0	NORMAL	0.030
	230	0.203	20.8	0.10	80	75.0	NORMAL	0.020
	310	0.121	12.4	0.10	80	75.0	NORMAL	0.020
	610	0.076	7.8	0.10	80	75.0	NORMAL	0.020
		0.976	**100.0**					
H86	140	0.544	50.5	0.25	30	50.0	NORMAL	0.050
	150	0.080	7.4	0.25	35	50.0	NORMAL	0.040
	170	0.033	3.1	0.25	45	50.0	NORMAL	0.040
	180	0.145	13.4	0.25	50	50.0	NORMAL	0.030
	190	0.046	4.3	0.20	50	50.0	NORMAL	0.030
	230	0.007	0.7	0.10	80	75.0	NORMAL	0.020
	310	0.026	2.4	0.10	80	75.0	NORMAL	0.020
	610	0.082	7.6	0.10	80	75.0	NORMAL	0.020
	730	0.114	10.6	0.35	0	25.0	DRY	0.030
		1.077	**100.0**					

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: I								
I03	730	0.957	100.0	0.35	0	25.0	DRY	0.030
		0.957	**100.0**					
I04	130	0.179	45.4	0.30	15	50.0	NORMAL	0.050
	730	0.215	54.6	0.35	0	25.0	DRY	0.030
		0.394	**100.0**					
I05	130	0.005	2.5	0.30	15	50.0	NORMAL	0.050
	730	0.211	97.5	0.35	0	25.0	DRY	0.030
		0.217	**100.0**					
I06	120	0.027	5.5	0.30	5	20.0	NORMAL	0.050
	130	0.471	94.3	0.30	15	50.0	NORMAL	0.050
	140	0.001	0.2	0.25	30	50.0	NORMAL	0.050
		0.499	**100.0**					
I07	120	0.031	16.2	0.30	5	20.0	NORMAL	0.050
	130	0.130	67.3	0.30	15	50.0	NORMAL	0.050
	140	0.000	0.1	0.25	30	50.0	NORMAL	0.050
	730	0.032	16.4	0.35	0	25.0	DRY	0.030
		0.194	**100.0**					
I08	120	0.750	94.8	0.30	5	20.0	NORMAL	0.050
	130	0.039	4.9	0.30	15	50.0	NORMAL	0.050
	140	0.002	0.3	0.25	30	50.0	NORMAL	0.050
	710	0.000		0.20	0	90.0	NORMAL	0.100
		0.791	**100.0**					
I09	120	0.300	95.1	0.30	5	20.0	NORMAL	0.050
	730	0.016	4.9	0.35	0	25.0	DRY	0.030
		0.315	**100.0**					
I10	120	0.463	93.1	0.30	5	20.0	NORMAL	0.050
	140	0.001	0.2	0.25	30	50.0	NORMAL	0.050
	150	0.033	6.7	0.25	35	50.0	NORMAL	0.040
		0.497	**100.0**					
I11	120	0.116	40.0	0.30	5	20.0	NORMAL	0.050
	140	0.163	56.4	0.25	30	50.0	NORMAL	0.050
	150	0.008	2.9	0.25	35	50.0	NORMAL	0.040
	610	0.002	0.7	0.10	80	75.0	NORMAL	0.020
		0.289	**100.0**					
I12	140	0.019	3.7	0.25	30	50.0	NORMAL	0.050
	150	0.125	24.5	0.25	35	50.0	NORMAL	0.040
	180	0.095	18.6	0.25	50	50.0	NORMAL	0.030
	190	0.111	21.9	0.20	50	50.0	NORMAL	0.030
	230	0.056	11.0	0.10	80	75.0	NORMAL	0.020
	310	0.065	12.8	0.10	80	75.0	NORMAL	0.020
	610	0.039	7.6	0.10	80	75.0	NORMAL	0.020
		0.509	**100.1**					
I13	140	0.001	0.1	0.25	30	50.0	NORMAL	0.050
	150	0.171	32.9	0.25	35	50.0	NORMAL	0.040
	180	0.068	13.1	0.25	50	50.0	NORMAL	0.030
	230	0.087	16.8	0.10	80	75.0	NORMAL	0.020
	310	0.160	30.7	0.10	80	75.0	NORMAL	0.020
	610	0.033	6.4	0.10	80	75.0	NORMAL	0.020
		0.519	**100.0**					
I14	140	0.159	66.4	0.25	30	50.0	NORMAL	0.050
	150	0.056	23.5	0.25	35	50.0	NORMAL	0.040
	610	0.010	4.1	0.10	80	75.0	NORMAL	0.020

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: I								
I14	730	0.014	5.9	0.35	0	25.0	DRY	0.030
		0.240	**99.9**					
I15A	130	0.212	52.9	0.30	15	50.0	NORMAL	0.050
	730	0.189	47.1	0.35	0	25.0	DRY	0.030
		0.402	**100.0**					
I15B	130	0.001	0.2	0.30	15	50.0	NORMAL	0.050
	730	0.328	99.8	0.35	0	25.0	DRY	0.030
		0.328	**100.0**					
I16	120	0.001	0.2	0.30	5	20.0	NORMAL	0.050
	130	0.289	58.8	0.30	15	50.0	NORMAL	0.050
	730	0.201	40.9	0.35	0	25.0	DRY	0.030
		0.491	**99.9**					
I17A	120	0.033	30.2	0.30	5	20.0	NORMAL	0.050
	130	0.039	35.7	0.30	15	50.0	NORMAL	0.050
	730	0.037	34.0	0.35	0	25.0	DRY	0.030
		0.108	**99.9**					
I17B	120	0.021	24.2	0.30	5	20.0	NORMAL	0.050
	730	0.067	75.8	0.35	0	25.0	DRY	0.030
		0.088	**100.0**					
I17C	730	0.163	100.0	0.35	0	25.0	DRY	0.030
		0.163	**100.0**					
I18	120	0.586	88.3	0.30	5	20.0	NORMAL	0.050
	130	0.055	8.3	0.30	15	50.0	NORMAL	0.050
	730	0.023	3.4	0.35	0	25.0	DRY	0.030
		0.664	**100.0**					
I19	120	0.256	72.3	0.30	5	20.0	NORMAL	0.050
	140	0.027	7.6	0.25	30	50.0	NORMAL	0.050
	610	0.006	1.7	0.10	80	75.0	NORMAL	0.020
	730	0.065	18.3	0.35	0	25.0	DRY	0.030
		0.354	**99.9**					
I20	120	0.054	8.7	0.30	5	20.0	NORMAL	0.050
	140	0.068	11.0	0.25	30	50.0	NORMAL	0.050
	150	0.261	42.2	0.25	35	50.0	NORMAL	0.040
	180	0.180	29.0	0.25	50	50.0	NORMAL	0.030
	190	0.004	0.7	0.20	50	50.0	NORMAL	0.030
	610	0.052	8.4	0.10	80	75.0	NORMAL	0.020
		0.619	**100.0**					
I21	140	0.009	1.8	0.25	30	50.0	NORMAL	0.050
	150	0.166	35.3	0.25	35	50.0	NORMAL	0.040
	170	0.085	18.2	0.25	45	50.0	NORMAL	0.040
	180	0.063	13.4	0.25	50	50.0	NORMAL	0.030
	230	0.047	10.0	0.10	80	75.0	NORMAL	0.020
	310	0.073	15.5	0.10	80	75.0	NORMAL	0.020
	610	0.027	5.8	0.10	80	75.0	NORMAL	0.020
		0.469	**100.0**					
I22	140	0.149	38.7	0.25	30	50.0	NORMAL	0.050
	150	0.166	43.1	0.25	35	50.0	NORMAL	0.040
	230	0.027	6.9	0.10	80	75.0	NORMAL	0.020
	610	0.016	4.1	0.10	80	75.0	NORMAL	0.020
	730	0.028	7.2	0.35	0	25.0	DRY	0.030
		0.385	**100.0**					

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: I								
I23	120	0.002	0.5	0.30	5	20.0	NORMAL	0.050
	730	0.421	99.5	0.35	0	25.0	DRY	0.030
		0.423	**100.0**					
I24	120	0.040	22.8	0.30	5	20.0	NORMAL	0.050
	730	0.137	77.2	0.35	0	25.0	DRY	0.030
		0.177	**100.0**					
I25	120	0.274	88.6	0.30	5	20.0	NORMAL	0.050
	730	0.035	11.4	0.35	0	25.0	DRY	0.030
		0.309	**100.0**					
I26A	120	0.535	92.8	0.30	5	20.0	NORMAL	0.050
	140	0.023	3.9	0.25	30	50.0	NORMAL	0.050
	150	0.005	0.8	0.25	35	50.0	NORMAL	0.040
	730	0.014	2.4	0.35	0	25.0	DRY	0.030
		0.576	**99.9**					
I26B	120	0.011	17.4	0.30	5	20.0	NORMAL	0.050
	730	0.050	82.6	0.35	0	25.0	DRY	0.030
		0.061	**100.0**					
I27	120	0.401	99.7	0.30	5	20.0	NORMAL	0.050
	140	0.001	0.3	0.25	30	50.0	NORMAL	0.050
		0.403	**100.0**					
I28	120	0.399	90.3	0.30	5	20.0	NORMAL	0.050
	150	0.003	0.7	0.25	35	50.0	NORMAL	0.040
	730	0.040	9.0	0.35	0	25.0	DRY	0.030
		0.442	**100.0**					
I29	120	0.324	86.8	0.30	5	20.0	NORMAL	0.050
	730	0.049	13.2	0.35	0	25.0	DRY	0.030
		0.373	**100.0**					
I30	120	0.398	94.1	0.30	5	20.0	NORMAL	0.050
	140	0.012	2.9	0.25	30	50.0	NORMAL	0.050
	150	0.012	2.9	0.25	35	50.0	NORMAL	0.040
		0.423	**99.9**					
I31	120	0.343	95.0	0.30	5	20.0	NORMAL	0.050
	150	0.018	5.0	0.25	35	50.0	NORMAL	0.040
		0.361	**100.0**					
I32	140	0.100	19.8	0.25	30	50.0	NORMAL	0.050
	150	0.171	33.9	0.25	35	50.0	NORMAL	0.040
	170	0.002	0.3	0.25	45	50.0	NORMAL	0.040
	180	0.009	1.7	0.25	50	50.0	NORMAL	0.030
	230	0.116	23.0	0.10	80	75.0	NORMAL	0.020
	310	0.066	13.1	0.10	80	75.0	NORMAL	0.020
	610	0.041	8.2	0.10	80	75.0	NORMAL	0.020
		0.506	**100.0**					
I33	140	0.058	11.4	0.25	30	50.0	NORMAL	0.050
	150	0.373	73.9	0.25	35	50.0	NORMAL	0.040
	180	0.025	5.0	0.25	50	50.0	NORMAL	0.030
	610	0.049	9.7	0.10	80	75.0	NORMAL	0.020
		0.504	**100.0**					
I34	120	0.206	40.4	0.30	5	20.0	NORMAL	0.050
	140	0.105	20.6	0.25	30	50.0	NORMAL	0.050
	150	0.089	17.5	0.25	35	50.0	NORMAL	0.040
	170	0.036	7.0	0.25	45	50.0	NORMAL	0.040

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: I								
I34	230	0.043	8.3	0.10	80	75.0	NORMAL	0.020
	610	0.019	3.6	0.10	80	75.0	NORMAL	0.020
	730	0.013	2.6	0.35	0	25.0	DRY	0.030
		0.510	**100.0**					
I35	120	0.025	4.8	0.30	5	20.0	NORMAL	0.050
	140	0.375	74.0	0.25	30	50.0	NORMAL	0.050
	150	0.077	15.2	0.25	35	50.0	NORMAL	0.040
	230	0.018	3.6	0.10	80	75.0	NORMAL	0.020
	610	0.012	2.3	0.10	80	75.0	NORMAL	0.020
		0.507	**99.9**					
I36	140	0.097	50.0	0.25	30	50.0	NORMAL	0.050
	610	0.002	0.9	0.10	80	75.0	NORMAL	0.020
	730	0.095	49.1	0.35	0	25.0	DRY	0.030
		0.194	**100.0**					
I37	140	0.310	75.7	0.25	30	50.0	NORMAL	0.050
	150	0.004	1.0	0.25	35	50.0	NORMAL	0.040
	610	0.040	9.7	0.10	80	75.0	NORMAL	0.020
	730	0.056	13.6	0.35	0	25.0	DRY	0.030
		0.409	**100.0**					
I38	120	0.032	27.6	0.30	5	20.0	NORMAL	0.050
	710	0.006	5.0	0.20	0	90.0	NORMAL	0.100
	730	0.077	67.4	0.35	0	25.0	DRY	0.030
		0.115	**100.0**					
I39	120	0.217	100.0	0.30	5	20.0	NORMAL	0.050
		0.217	**100.0**					
I40	120	0.408	100.0	0.30	5	20.0	NORMAL	0.050
		0.408	**100.0**					
I41	120	0.406	85.3	0.30	5	20.0	NORMAL	0.050
	150	0.014	2.9	0.25	35	50.0	NORMAL	0.040
	730	0.056	11.8	0.35	0	25.0	DRY	0.030
		0.476	**100.0**					
I42	140	0.012	2.7	0.25	30	50.0	NORMAL	0.050
	150	0.244	57.9	0.25	35	50.0	NORMAL	0.040
	180	0.072	17.1	0.25	50	50.0	NORMAL	0.030
	310	0.056	13.2	0.10	80	75.0	NORMAL	0.020
	610	0.038	9.0	0.10	80	75.0	NORMAL	0.020
		0.422	**99.9**					
I43	140	0.418	96.6	0.25	30	50.0	NORMAL	0.050
	150	0.009	2.1	0.25	35	50.0	NORMAL	0.040
	170	0.006	1.3	0.25	45	50.0	NORMAL	0.040
	610	0.000		0.10	80	75.0	NORMAL	0.020
		0.432	**100.0**					
I44A	120	0.070	10.8	0.30	5	20.0	NORMAL	0.050
	710	0.341	52.3	0.20	0	90.0	NORMAL	0.100
	730	0.241	37.0	0.35	0	25.0	DRY	0.030
		0.653	**100.1**					
I44B	730	0.186	100.0	0.35	0	25.0	DRY	0.030
		0.186	**100.0**					
I45	120	0.308	88.0	0.30	5	20.0	NORMAL	0.050
	710	0.042	12.0	0.20	0	90.0	NORMAL	0.100

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: I								
		0.351	**100.0**					
I46	120	0.396	86.1	0.30	5	20.0	NORMAL	0.050
	150	0.012	2.6	0.25	35	50.0	NORMAL	0.040
	730	0.052	11.3	0.35	0	25.0	DRY	0.030
		0.460	**100.0**					
I47	140	0.005	1.3	0.25	30	50.0	NORMAL	0.050
	150	0.246	70.4	0.25	35	50.0	NORMAL	0.040
	180	0.041	11.8	0.25	50	50.0	NORMAL	0.030
	310	0.036	10.4	0.10	80	75.0	NORMAL	0.020
	610	0.021	6.1	0.10	80	75.0	NORMAL	0.020
		0.349	**100.0**					
I48	140	0.159	47.0	0.25	30	50.0	NORMAL	0.050
	170	0.004	1.1	0.25	45	50.0	NORMAL	0.040
	180	0.000		0.25	50	50.0	NORMAL	0.030
	230	0.167	49.5	0.10	80	75.0	NORMAL	0.020
	610	0.008	2.4	0.10	80	75.0	NORMAL	0.020
		0.337	**100.0**					
I49	140	0.037	9.7	0.25	30	50.0	NORMAL	0.050
	150	0.116	30.3	0.25	35	50.0	NORMAL	0.040
	170	0.189	49.4	0.25	45	50.0	NORMAL	0.040
	180	0.020	5.1	0.25	50	50.0	NORMAL	0.030
	230	0.004	0.9	0.10	80	75.0	NORMAL	0.020
	610	0.018	4.6	0.10	80	75.0	NORMAL	0.020
		0.383	**100.0**					
I50	140	0.177	29.5	0.25	30	50.0	NORMAL	0.050
	150	0.044	7.3	0.25	35	50.0	NORMAL	0.040
	170	0.084	14.0	0.25	45	50.0	NORMAL	0.040
	230	0.026	4.4	0.10	80	75.0	NORMAL	0.020
	610	0.086	14.3	0.10	80	75.0	NORMAL	0.020
	730	0.183	30.5	0.35	0	25.0	DRY	0.030
		0.601	**100.0**					
I51	710	0.140	97.3	0.20	0	90.0	NORMAL	0.100
	730	0.004	2.7	0.35	0	25.0	DRY	0.030
		0.144	**100.0**					
I52	710	0.252	79.1	0.20	0	90.0	NORMAL	0.100
	730	0.067	20.9	0.35	0	25.0	DRY	0.030
		0.318	**100.0**					
I53	120	0.004	0.7	0.30	5	20.0	NORMAL	0.050
	710	0.506	98.3	0.20	0	90.0	NORMAL	0.100
	730	0.005	1.0	0.35	0	25.0	DRY	0.030
		0.515	**100.0**					
I54	710	0.352	100.0	0.20	0	90.0	NORMAL	0.100
		0.352	**100.0**					
I55	120	0.130	52.0	0.30	5	20.0	NORMAL	0.050
	710	0.037	14.8	0.20	0	90.0	NORMAL	0.100
	730	0.083	33.2	0.35	0	25.0	DRY	0.030
		0.249	**100.0**					
I56	120	0.156	36.1	0.30	5	20.0	NORMAL	0.050
	710	0.100	23.2	0.20	0	90.0	NORMAL	0.100
	730	0.176	40.7	0.35	0	25.0	DRY	0.030
		0.432	**100.0**					

* Non default value

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: I								
I57	120	0.005	2.6	0.30	5	20.0	NORMAL	0.050
	140	0.033	17.6	0.25	30	50.0	NORMAL	0.050
	150	0.097	51.0	0.25	35	50.0	NORMAL	0.040
	610	0.005	2.7	0.10	80	75.0	NORMAL	0.020
	730	0.049	26.1	0.35	0	25.0	DRY	0.030
		0.190	**100.0**					
I58A	150	0.028	21.7	0.25	35	50.0	NORMAL	0.040
	180	0.029	22.2	0.25	50	50.0	NORMAL	0.030
	230	0.068	52.7	0.10	80	75.0	NORMAL	0.020
	610	0.004	3.4	0.10	80	75.0	NORMAL	0.020
		0.129	**100.0**					
I58B	140	0.069	11.7	0.25	30	50.0	NORMAL	0.050
	150	0.341	58.3	0.25	35	50.0	NORMAL	0.040
	180	0.017	2.9	0.25	50	50.0	NORMAL	0.030
	230	0.016	2.7	0.10	80	75.0	NORMAL	0.020
	610	0.017	2.9	0.10	80	75.0	NORMAL	0.020
	730	0.126	21.5	0.35	0	25.0	DRY	0.030
		0.585	**100.0**					
I59	150	0.032	32.0	0.25	35	50.0	NORMAL	0.040
	180	0.044	44.6	0.25	50	50.0	NORMAL	0.030
	610	0.008	7.7	0.10	80	75.0	NORMAL	0.020
	730	0.016	15.8	0.35	0	25.0	DRY	0.030
		0.099	**100.1**					
I60A	120	0.011	1.2	0.30	5	20.0	NORMAL	0.050
	140	0.008	0.8	0.25	30	50.0	NORMAL	0.050
	150	0.600	61.4	0.25	35	50.0	NORMAL	0.040
	170	0.007	0.7	0.25	45	50.0	NORMAL	0.040
	180	0.064	6.5	0.25	50	50.0	NORMAL	0.030
	230	0.024	2.4	0.10	80	75.0	NORMAL	0.020
	310	0.188	19.2	0.10	80	75.0	NORMAL	0.020
	550	0.005	0.5	0.10	80	75.0	NORMAL	0.020
	610	0.071	7.3	0.10	80	75.0	NORMAL	0.020
		0.976	**100.0**					
I60B	150	0.074	72.3	0.25	35	50.0	NORMAL	0.040
	180	0.000	0.2	0.25	50	50.0	NORMAL	0.030
	610	0.007	6.8	0.10	80	75.0	NORMAL	0.020
	730	0.021	20.8	0.35	0	25.0	DRY	0.030
		0.102	**100.1**					
I60C	140	0.124	45.9	0.25	30	50.0	NORMAL	0.050
	180	0.017	6.3	0.25	50	50.0	NORMAL	0.030
	230	0.124	45.8	0.10	80	75.0	NORMAL	0.020
	610	0.005	2.0	0.10	80	75.0	NORMAL	0.020
		0.270	**100.0**					
I61	120	0.043	17.3	0.30	5	20.0	NORMAL	0.050
	140	0.056	22.3	0.25	30	50.0	NORMAL	0.050
	170	0.006	2.2	0.25	45	50.0	NORMAL	0.040
	230	0.075	29.8	0.10	80	75.0	NORMAL	0.020
	610	0.071	28.4	0.10	80	75.0	NORMAL	0.020
		0.250	**100.0**					
I62	120	0.145	34.3	0.30	5	20.0	NORMAL	0.050
	140	0.074	17.5	0.25	30	50.0	NORMAL	0.050
	610	0.032	7.5	0.10	80	75.0	NORMAL	0.020
	730	0.172	40.7	0.35	0	25.0	DRY	0.030
		0.423	**100.0**					

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: I								
I63	120	0.089	30.5	0.30	5	20.0	NORMAL	0.050
	140	0.048	16.4	0.25	30	50.0	NORMAL	0.050
	230	0.010	3.3	0.10	80	75.0	NORMAL	0.020
	610	0.025	8.5	0.10	80	75.0	NORMAL	0.020
	730	0.121	41.3	0.35	0	25.0	DRY	0.030
		0.293	**100.0**					
I64	140	0.060	22.4	0.25	30	50.0	NORMAL	0.050
	150	0.143	53.7	0.25	35	50.0	NORMAL	0.040
	190	0.044	16.3	0.20	50	50.0	NORMAL	0.030
	230	0.009	3.5	0.10	80	75.0	NORMAL	0.020
	610	0.011	4.2	0.10	80	75.0	NORMAL	0.020
		0.267	**100.1**					
I65	140	0.046	14.8	0.25	30	50.0	NORMAL	0.050
	150	0.181	58.9	0.25	35	50.0	NORMAL	0.040
	170	0.001	0.2	0.25	45	50.0	NORMAL	0.040
	230	0.056	18.4	0.10	80	75.0	NORMAL	0.020
	310	0.006	1.9	0.10	80	75.0	NORMAL	0.020
	610	0.018	5.8	0.10	80	75.0	NORMAL	0.020
		0.307	**100.0**					
I66	120	0.071	7.8	0.30	5	20.0	NORMAL	0.050
	140	0.483	53.2	0.25	30	50.0	NORMAL	0.050
	150	0.099	11.0	0.25	35	50.0	NORMAL	0.040
	170	0.026	2.9	0.25	45	50.0	NORMAL	0.040
	230	0.004	0.5	0.10	80	75.0	NORMAL	0.020
	610	0.054	6.0	0.10	80	75.0	NORMAL	0.020
	730	0.169	18.6	0.35	0	25.0	DRY	0.030
		0.907	**100.0**					
I67	120	0.347	35.7	0.30	5	20.0	NORMAL	0.050
	140	0.303	31.2	0.25	30	50.0	NORMAL	0.050
	150	0.006	0.6	0.25	35	50.0	NORMAL	0.040
	310	0.101	10.4	0.10	80	75.0	NORMAL	0.020
	610	0.060	6.1	0.10	80	75.0	NORMAL	0.020
	730	0.155	15.9	0.35	0	25.0	DRY	0.030
		0.970	**99.9**					
I68	120	0.187	64.1	0.30	5	20.0	NORMAL	0.050
	140	0.034	11.5	0.25	30	50.0	NORMAL	0.050
	230	0.013	4.5	0.10	80	75.0	NORMAL	0.020
	310	0.012	4.0	0.10	80	75.0	NORMAL	0.020
	730	0.046	15.9	0.35	0	25.0	DRY	0.030
		0.292	**100.0**					
I69	120	0.129	74.9	0.30	5	20.0	NORMAL	0.050
	730	0.043	25.1	0.35	0	25.0	DRY	0.030
		0.173	**100.0**					
I70	120	0.266	72.2	0.30	5	20.0	NORMAL	0.050
	140	0.033	9.0	0.25	30	50.0	NORMAL	0.050
	610	0.008	2.1	0.10	80	75.0	NORMAL	0.020
	730	0.061	16.6	0.35	0	25.0	DRY	0.030
		0.368	**99.9**					
I71	120	0.338	80.3	0.30	5	20.0	NORMAL	0.050
	730	0.083	19.7	0.35	0	25.0	DRY	0.030
		0.421	**100.0**					
I72	140	0.006	2.8	0.25	30	50.0	NORMAL	0.050
	150	0.153	74.4	0.25	35	50.0	NORMAL	0.040
	310	0.031	15.1	0.10	80	75.0	NORMAL	0.020

Flood Control District of Maricopa County
Drainage Design Management System
LAND USE
Project Reference: SUB BASIN I FUTURE

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: I								
I72	610	0.013	6.4	0.10	80	75.0	NORMAL	0.020
	730	0.003	1.4	0.35	0	25.0	DRY	0.030
		0.206	**100.1**					

* Non default value

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: J								
J01	710	2.942	41.0	0.20	0	90.0	NORMAL	0.100
	730	4.242	59.0	0.35	0	25.0	DRY	0.030
		7.184	**100.0**					
J04	710	0.388	98.4	0.20	0	90.0	NORMAL	0.100
	730	0.006	1.6	0.35	0	25.0	DRY	0.030
		0.394	**100.0**					
J06	710	0.369	100.0	0.20	0	90.0	NORMAL	0.100
		0.369	**100.0**					
J07	120	0.005	1.2	0.30	5	20.0	NORMAL	0.050
	140	0.101	22.4	0.25	30	50.0	NORMAL	0.050
	610	0.000	0.1	0.10	80	75.0	NORMAL	0.020
	710	0.343	75.7	0.20	0	90.0	NORMAL	0.100
	730	0.003	0.6	0.35	0	25.0	DRY	0.030
		0.453	**100.0**					
J08	710	0.096	100.0	0.20	0	90.0	NORMAL	0.100
		0.096	**100.0**					
J10	120	0.018	6.1	0.30	5	20.0	NORMAL	0.050
	140	0.093	31.6	0.25	30	50.0	NORMAL	0.050
	150	0.017	5.7	0.25	35	50.0	NORMAL	0.040
	610	0.003	1.0	0.10	80	75.0	NORMAL	0.020
	710	0.037	12.7	0.20	0	90.0	NORMAL	0.100
	730	0.127	42.9	0.35	0	25.0	DRY	0.030
		0.295	**100.0**					
J11	140	0.049	20.1	0.25	30	50.0	NORMAL	0.050
	150	0.164	67.3	0.25	35	50.0	NORMAL	0.040
	610	0.007	3.0	0.10	80	75.0	NORMAL	0.020
	730	0.024	9.7	0.35	0	25.0	DRY	0.030
		0.244	**100.1**					
J12	140	0.094	22.9	0.25	30	50.0	NORMAL	0.050
	150	0.055	13.5	0.25	35	50.0	NORMAL	0.040
	610	0.008	1.9	0.10	80	75.0	NORMAL	0.020
	710	0.254	61.7	0.20	0	90.0	NORMAL	0.100
		0.411	**100.0**					
J13	140	0.113	13.1	0.25	30	50.0	NORMAL	0.050
	150	0.068	7.9	0.25	35	50.0	NORMAL	0.040
	610	0.005	0.6	0.10	80	75.0	NORMAL	0.020
	710	0.675	78.5	0.20	0	90.0	NORMAL	0.100
		0.860	**100.1**					
J14	120	0.095	4.5	0.30	5	20.0	NORMAL	0.050
	140	0.048	2.3	0.25	30	50.0	NORMAL	0.050
	150	0.317	14.9	0.25	35	50.0	NORMAL	0.040
	180	0.077	3.6	0.25	50	50.0	NORMAL	0.030
	190	0.008	0.4	0.20	50	50.0	NORMAL	0.030
	610	0.020	1.0	0.10	80	75.0	NORMAL	0.020
	710	1.336	62.8	0.20	0	90.0	NORMAL	0.100
	730	0.224	10.5	0.35	0	25.0	DRY	0.030
		2.126	**100.0**					
J15	150	0.375	65.1	0.25	35	50.0	NORMAL	0.040
	230	0.138	24.0	0.10	80	75.0	NORMAL	0.020
	310	0.029	5.1	0.10	80	75.0	NORMAL	0.020
	610	0.033	5.7	0.10	80	75.0	NORMAL	0.020
	730	0.001	0.2	0.35	0	25.0	DRY	0.030

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: J								
		0.576	**100.1**					
J16	150	0.071	26.4	0.25	35	50.0	NORMAL	0.040
	170	0.021	7.8	0.25	45	50.0	NORMAL	0.040
	190	0.006	2.3	0.20	50	50.0	NORMAL	0.030
	230	0.075	27.8	0.10	80	75.0	NORMAL	0.020
	310	0.058	21.4	0.10	80	75.0	NORMAL	0.020
	610	0.039	14.3	0.10	80	75.0	NORMAL	0.020
		0.269	**100.0**					
J17	150	0.178	34.2	0.25	35	50.0	NORMAL	0.040
	170	0.100	19.2	0.25	45	50.0	NORMAL	0.040
	190	0.088	16.9	0.20	50	50.0	NORMAL	0.030
	230	0.002	0.3	0.10	80	75.0	NORMAL	0.020
	310	0.087	16.7	0.10	80	75.0	NORMAL	0.020
	610	0.050	9.5	0.10	80	75.0	NORMAL	0.020
	730	0.017	3.2	0.35	0	25.0	DRY	0.030
		0.522	**100.0**					
J18	140	0.131	15.2	0.25	30	50.0	NORMAL	0.050
	150	0.271	31.6	0.25	35	50.0	NORMAL	0.040
	170	0.008	0.9	0.25	45	50.0	NORMAL	0.040
	190	0.151	17.6	0.20	50	50.0	NORMAL	0.030
	310	0.144	16.8	0.10	80	75.0	NORMAL	0.020
	610	0.053	6.2	0.10	80	75.0	NORMAL	0.020
	710	0.076	8.8	0.20	0	90.0	NORMAL	0.100
	730	0.025	2.9	0.35	0	25.0	DRY	0.030
		0.857	**100.0**					
J19	150	0.011	10.9	0.25	35	50.0	NORMAL	0.040
	180	0.003	2.4	0.25	50	50.0	NORMAL	0.030
	190	0.070	67.5	0.20	50	50.0	NORMAL	0.030
	610	0.010	9.9	0.10	80	75.0	NORMAL	0.020
	730	0.010	9.3	0.35	0	25.0	DRY	0.030
		0.104	**100.0**					
J20	140	0.145	20.3	0.25	30	50.0	NORMAL	0.050
	150	0.264	36.9	0.25	35	50.0	NORMAL	0.040
	190	0.177	24.8	0.20	50	50.0	NORMAL	0.030
	610	0.037	5.1	0.10	80	75.0	NORMAL	0.020
	730	0.093	13.0	0.35	0	25.0	DRY	0.030
		0.715	**100.1**					
J21	150	0.163	64.8	0.25	35	50.0	NORMAL	0.040
	190	0.053	21.0	0.20	50	50.0	NORMAL	0.030
	310	0.009	3.5	0.10	80	75.0	NORMAL	0.020
	610	0.020	8.0	0.10	80	75.0	NORMAL	0.020
	730	0.007	2.6	0.35	0	25.0	DRY	0.030
		0.251	**99.9**					
J22	120	0.027	1.8	0.30	5	20.0	NORMAL	0.050
	140	0.288	19.1	0.25	30	50.0	NORMAL	0.050
	150	0.528	35.1	0.25	35	50.0	NORMAL	0.040
	170	0.069	4.6	0.25	45	50.0	NORMAL	0.040
	180	0.020	1.3	0.25	50	50.0	NORMAL	0.030
	190	0.003	0.2	0.20	50	50.0	NORMAL	0.030
	610	0.031	2.1	0.10	80	75.0	NORMAL	0.020
	730	0.538	35.8	0.35	0	25.0	DRY	0.030
		1.503	**100.0**					
J23	150	0.108	35.0	0.25	35	50.0	NORMAL	0.040
	180	0.083	27.1	0.25	50	50.0	NORMAL	0.030
	190	0.030	9.7	0.20	50	50.0	NORMAL	0.030

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: J								
J23	610	0.014	4.5	0.10	80	75.0	NORMAL	0.020
	730	0.073	23.7	0.35	0	25.0	DRY	0.030
		0.308	**100.0**					
J24	150	0.062	32.0	0.25	35	50.0	NORMAL	0.040
	180	0.092	47.6	0.25	50	50.0	NORMAL	0.030
	610	0.016	8.2	0.10	80	75.0	NORMAL	0.020
	730	0.024	12.2	0.35	0	25.0	DRY	0.030
		0.193	**100.0**					
J25	150	0.124	24.0	0.25	35	50.0	NORMAL	0.040
	180	0.009	1.7	0.25	50	50.0	NORMAL	0.030
	610	0.005	1.0	0.10	80	75.0	NORMAL	0.020
	710	0.217	41.9	0.20	0	90.0	NORMAL	0.100
	730	0.162	31.4	0.35	0	25.0	DRY	0.030
		0.518	**100.0**					
J26	710	0.515	100.0	0.20	0	90.0	NORMAL	0.100
		0.515	**100.0**					
J27	110	0.011	0.8	0.30	5	30.0	NORMAL	0.050
	120	1.346	95.0	0.30	5	20.0	NORMAL	0.050
	130	0.051	3.6	0.30	15	50.0	NORMAL	0.050
	532	0.010	0.7	0.35	80	75.0	NORMAL	0.020
		1.417	**100.1**					
J28	120	0.773	81.4	0.30	5	20.0	NORMAL	0.050
	140	0.001	0.1	0.25	30	50.0	NORMAL	0.050
	730	0.176	18.5	0.35	0	25.0	DRY	0.030
		0.950	**100.0**					
J29A	150	0.054	16.0	0.25	35	50.0	NORMAL	0.040
	180	0.167	49.0	0.25	50	50.0	NORMAL	0.030
	190	0.008	2.3	0.20	50	50.0	NORMAL	0.030
	230	0.007	2.1	0.10	80	75.0	NORMAL	0.020
	610	0.018	5.4	0.10	80	75.0	NORMAL	0.020
	730	0.086	25.2	0.35	0	25.0	DRY	0.030
		0.340	**100.0**					
J29B	150	0.021	14.1	0.25	35	50.0	NORMAL	0.040
	170	0.017	11.3	0.25	45	50.0	NORMAL	0.040
	180	0.015	10.2	0.25	50	50.0	NORMAL	0.030
	230	0.042	28.8	0.10	80	75.0	NORMAL	0.020
	610	0.014	9.3	0.10	80	75.0	NORMAL	0.020
	730	0.038	26.3	0.35	0	25.0	DRY	0.030
		0.146	**100.0**					
J29C	150	0.294	29.4	0.25	35	50.0	NORMAL	0.040
	180	0.104	10.4	0.25	50	50.0	NORMAL	0.030
	190	0.061	6.1	0.20	50	50.0	NORMAL	0.030
	230	0.120	12.0	0.10	80	75.0	NORMAL	0.020
	610	0.064	6.4	0.10	80	75.0	NORMAL	0.020
	730	0.359	35.8	0.35	0	25.0	DRY	0.030
		1.001	**100.1**					
J29D	140	0.117	27.0	0.25	30	50.0	NORMAL	0.050
	150	0.127	29.4	0.25	35	50.0	NORMAL	0.040
	190	0.018	4.1	0.20	50	50.0	NORMAL	0.030
	610	0.017	3.9	0.10	80	75.0	NORMAL	0.020
	730	0.154	35.6	0.35	0	25.0	DRY	0.030
		0.434	**100.0**					
J30	140	0.107	32.1	0.25	30	50.0	NORMAL	0.050

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: J								
J30	610	0.000		0.10	80	75.0	NORMAL	0.020
	730	0.226	67.9	0.35	0	25.0	DRY	0.030
		0.333	**100.0**					
J31	140	0.204	44.8	0.25	30	50.0	NORMAL	0.050
	610	0.001	0.2	0.10	80	75.0	NORMAL	0.020
	710	0.137	30.2	0.20	0	90.0	NORMAL	0.100
	730	0.113	24.8	0.35	0	25.0	DRY	0.030
		0.454	**100.0**					
J32	140	0.200	61.9	0.25	30	50.0	NORMAL	0.050
	610	0.002	0.5	0.10	80	75.0	NORMAL	0.020
	710	0.056	17.4	0.20	0	90.0	NORMAL	0.100
	730	0.066	20.3	0.35	0	25.0	DRY	0.030
		0.324	**100.1**					
J33	120	0.009	0.7	0.30	5	20.0	NORMAL	0.050
	140	0.274	20.5	0.25	30	50.0	NORMAL	0.050
	610	0.012	0.9	0.10	80	75.0	NORMAL	0.020
	710	1.021	76.3	0.20	0	90.0	NORMAL	0.100
	730	0.022	1.6	0.35	0	25.0	DRY	0.030
		1.338	**100.0**					
J34	140	0.007	1.5	0.25	30	50.0	NORMAL	0.050
	710	0.447	98.5	0.20	0	90.0	NORMAL	0.100
		0.454	**100.0**					
J35	120	0.001	0.1	0.30	5	20.0	NORMAL	0.050
	140	0.058	8.6	0.25	30	50.0	NORMAL	0.050
	150	0.001	0.2	0.25	35	50.0	NORMAL	0.040
	180	0.000		0.25	50	50.0	NORMAL	0.030
	710	0.609	91.0	0.20	0	90.0	NORMAL	0.100
	730	0.000		0.35	0	25.0	DRY	0.030
		0.669	**99.9**					
J36	110	0.014	2.6	0.30	5	30.0	NORMAL	0.050
	120	0.472	89.7	0.30	5	20.0	NORMAL	0.050
	130	0.028	5.2	0.30	15	50.0	NORMAL	0.050
	532	0.003	0.6	0.35	80	75.0	NORMAL	0.020
	710	0.000	0.1	0.20	0	90.0	NORMAL	0.100
	730	0.009	1.7	0.35	0	25.0	DRY	0.030
	740	0.001	0.1	0.00	0	0.0	WET	0.020
		0.526	**100.0**					
J37	120	0.812	99.8	0.30	5	20.0	NORMAL	0.050
	730	0.002	0.2	0.35	0	25.0	DRY	0.030
		0.813	**100.0**					
J38	120	2.030	97.7	0.30	5	20.0	NORMAL	0.050
	140	0.001		0.25	30	50.0	NORMAL	0.050
	150	0.001	0.1	0.25	35	50.0	NORMAL	0.040
	730	0.047	2.2	0.35	0	25.0	DRY	0.030
		2.079	**100.0**					
J39	120	0.666	63.6	0.30	5	20.0	NORMAL	0.050
	140	0.206	19.7	0.25	30	50.0	NORMAL	0.050
	150	0.038	3.6	0.25	35	50.0	NORMAL	0.040
	610	0.008	0.8	0.10	80	75.0	NORMAL	0.020
	730	0.128	12.3	0.35	0	25.0	DRY	0.030
		1.046	**100.0**					
J40	120	0.376	41.8	0.30	5	20.0	NORMAL	0.050
	140	0.240	26.7	0.25	30	50.0	NORMAL	0.050

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: J								
J40	170	0.027	3.0	0.25	45	50.0	NORMAL	0.040
	230	0.006	0.7	0.10	80	75.0	NORMAL	0.020
	610	0.004	0.4	0.10	80	75.0	NORMAL	0.020
	730	0.246	27.3	0.35	0	25.0	DRY	0.030
		0.900	**99.9**					
J41	730	0.182	100.0	0.35	0	25.0	DRY	0.030
		0.182	**100.0**					
J42	120	0.039	19.5	0.30	5	20.0	NORMAL	0.050
	170	0.001	0.6	0.25	45	50.0	NORMAL	0.040
	730	0.160	79.9	0.35	0	25.0	DRY	0.030
		0.201	**100.0**					
J43A	120	0.002	0.4	0.30	5	20.0	NORMAL	0.050
	140	0.006	1.6	0.25	30	50.0	NORMAL	0.050
	150	0.001	0.2	0.25	35	50.0	NORMAL	0.040
	170	0.180	49.3	0.25	45	50.0	NORMAL	0.040
	180	0.024	6.5	0.25	50	50.0	NORMAL	0.030
	610	0.008	2.2	0.10	80	75.0	NORMAL	0.020
	730	0.145	39.8	0.35	0	25.0	DRY	0.030
		0.365	**100.0**					
J43B	170	0.105	96.9	0.25	45	50.0	NORMAL	0.040
	610	0.001	1.0	0.10	80	75.0	NORMAL	0.020
	730	0.002	2.1	0.35	0	25.0	DRY	0.030
		0.108	**100.0**					
J43C	150	0.066	53.6	0.25	35	50.0	NORMAL	0.040
	170	0.000	0.2	0.25	45	50.0	NORMAL	0.040
	180	0.000	0.2	0.25	50	50.0	NORMAL	0.030
	190	0.012	9.7	0.20	50	50.0	NORMAL	0.030
	230	0.010	7.7	0.10	80	75.0	NORMAL	0.020
	610	0.013	10.3	0.10	80	75.0	NORMAL	0.020
	730	0.022	18.2	0.35	0	25.0	DRY	0.030
		0.123	**99.9**					
J44	140	0.005	3.4	0.25	30	50.0	NORMAL	0.050
	150	0.004	2.7	0.25	35	50.0	NORMAL	0.040
	170	0.035	23.9	0.25	45	50.0	NORMAL	0.040
	610	0.001	1.0	0.10	80	75.0	NORMAL	0.020
	730	0.102	69.0	0.35	0	25.0	DRY	0.030
		0.147	**100.0**					
J45	140	0.068	21.2	0.25	30	50.0	NORMAL	0.050
	150	0.107	33.1	0.25	35	50.0	NORMAL	0.040
	170	0.047	14.6	0.25	45	50.0	NORMAL	0.040
	550	0.003	0.9	0.10	80	75.0	NORMAL	0.020
	610	0.009	2.8	0.10	80	75.0	NORMAL	0.020
	730	0.088	27.3	0.35	0	25.0	DRY	0.030
		0.322	**99.9**					
J46	140	0.046	8.2	0.25	30	50.0	NORMAL	0.050
	150	0.176	31.2	0.25	35	50.0	NORMAL	0.040
	170	0.014	2.5	0.25	45	50.0	NORMAL	0.040
	180	0.041	7.2	0.25	50	50.0	NORMAL	0.030
	230	0.101	17.9	0.10	80	75.0	NORMAL	0.020
	610	0.022	3.9	0.10	80	75.0	NORMAL	0.020
	710	0.005	0.9	0.20	0	90.0	NORMAL	0.100
	730	0.158	28.0	0.35	0	25.0	DRY	0.030
		0.564	**99.8**					
J47	140	0.108	23.7	0.25	30	50.0	NORMAL	0.050

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: J								
J47	150	0.126	27.6	0.25	35	50.0	NORMAL	0.040
	170	0.016	3.4	0.25	45	50.0	NORMAL	0.040
	230	0.041	8.9	0.10	80	75.0	NORMAL	0.020
	550	0.014	3.0	0.10	80	75.0	NORMAL	0.020
	610	0.047	10.4	0.10	80	75.0	NORMAL	0.020
	710	0.010	2.1	0.20	0	90.0	NORMAL	0.100
	730	0.096	21.0	0.35	0	25.0	DRY	0.030
		0.456	**100.1**					
J48	140	0.388	44.7	0.25	30	50.0	NORMAL	0.050
	150	0.001	0.1	0.25	35	50.0	NORMAL	0.040
	170	0.201	23.1	0.25	45	50.0	NORMAL	0.040
	180	0.002	0.2	0.25	50	50.0	NORMAL	0.030
	230	0.002	0.2	0.10	80	75.0	NORMAL	0.020
	610	0.060	6.9	0.10	80	75.0	NORMAL	0.020
	710	0.051	5.9	0.20	0	90.0	NORMAL	0.100
	730	0.164	18.9	0.35	0	25.0	DRY	0.030
		0.868	**100.0**					
J49	150	0.043	22.3	0.25	35	50.0	NORMAL	0.040
	170	0.032	16.9	0.25	45	50.0	NORMAL	0.040
	180	0.002	0.8	0.25	50	50.0	NORMAL	0.030
	230	0.023	12.1	0.10	80	75.0	NORMAL	0.020
	610	0.029	15.0	0.10	80	75.0	NORMAL	0.020
	710	0.010	5.1	0.20	0	90.0	NORMAL	0.100
	730	0.053	27.7	0.35	0	25.0	DRY	0.030
		0.191	**99.9**					
J50	120	0.129	21.9	0.30	5	20.0	NORMAL	0.050
	140	0.007	1.2	0.25	30	50.0	NORMAL	0.050
	150	0.054	9.1	0.25	35	50.0	NORMAL	0.040
	170	0.028	4.7	0.25	45	50.0	NORMAL	0.040
	180	0.001	0.1	0.25	50	50.0	NORMAL	0.030
	610	0.011	1.9	0.10	80	75.0	NORMAL	0.020
	710	0.032	5.4	0.20	0	90.0	NORMAL	0.100
	730	0.328	55.8	0.35	0	25.0	DRY	0.030
		0.588	**100.1**					
J51	120	0.127	76.3	0.30	5	20.0	NORMAL	0.050
	140	0.013	7.6	0.25	30	50.0	NORMAL	0.050
	150	0.001	0.5	0.25	35	50.0	NORMAL	0.040
	180	0.004	2.1	0.25	50	50.0	NORMAL	0.030
	610	0.005	3.0	0.10	80	75.0	NORMAL	0.020
	710	0.012	7.2	0.20	0	90.0	NORMAL	0.100
	730	0.006	3.3	0.35	0	25.0	DRY	0.030
		0.166	**100.0**					
J52	120	0.027	14.6	0.30	5	20.0	NORMAL	0.050
	150	0.058	31.9	0.25	35	50.0	NORMAL	0.040
	180	0.016	8.8	0.25	50	50.0	NORMAL	0.030
	230	0.024	13.1	0.10	80	75.0	NORMAL	0.020
	550	0.004	2.1	0.10	80	75.0	NORMAL	0.020
	610	0.017	9.4	0.10	80	75.0	NORMAL	0.020
	710	0.002	1.3	0.20	0	90.0	NORMAL	0.100
	730	0.034	18.7	0.35	0	25.0	DRY	0.030
		0.182	**99.9**					
J53	140	0.049	99.6	0.25	30	50.0	NORMAL	0.050
	610	0.000	0.4	0.10	80	75.0	NORMAL	0.020
		0.050	**100.0**					
J54	710	0.219	100.0	0.20	0	90.0	NORMAL	0.100

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: J								
		0.219	**100.0**					

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: X								
X01	710	1.514	100.0	0.20	0	90.0	NORMAL	0.100
		1.514	**100.0**					
X02	120	0.101	6.7	0.30	5	20.0	NORMAL	0.050
	161	0.007	0.5	0.25	45	50.0	NORMAL	0.030
	710	0.718	47.5	0.20	0	90.0	NORMAL	0.100
	730	0.685	45.3	0.35	0	25.0	DRY	0.030
		1.512	**100.0**					
X03	710	0.395	39.3	0.20	0	90.0	NORMAL	0.100
	730	0.610	60.7	0.35	0	25.0	DRY	0.030
		1.004	**100.0**					
X04	110	0.080	8.3	0.30	5	30.0	NORMAL	0.050
	120	0.053	5.5	0.30	5	20.0	NORMAL	0.050
	130	0.014	1.5	0.30	15	50.0	NORMAL	0.050
	140	0.028	2.9	0.25	30	50.0	NORMAL	0.050
	710	0.001	0.1	0.20	0	90.0	NORMAL	0.100
	730	0.780	80.8	0.35	0	25.0	DRY	0.030
	740	0.010	1.0	0.00	0	0.0	WET	0.020
		0.965	**100.1**					
X05	120	0.030	9.4	0.30	5	20.0	NORMAL	0.050
	130	0.025	7.8	0.30	15	50.0	NORMAL	0.050
	140	0.142	45.0	0.25	30	50.0	NORMAL	0.050
	320	0.007	2.3	0.15	55	60.0	NORMAL	0.030
	710	0.000	0.1	0.20	0	90.0	NORMAL	0.100
	730	0.110	34.9	0.35	0	25.0	DRY	0.030
	740	0.002	0.5	0.00	0	0.0	WET	0.020
		0.316	**100.0**					
X06	120	0.000		0.30	5	20.0	NORMAL	0.050
	140	0.283	27.6	0.25	30	50.0	NORMAL	0.050
	710	0.001	0.1	0.20	0	90.0	NORMAL	0.100
	730	0.740	72.0	0.35	0	25.0	DRY	0.030
	732	0.001	0.1	0.35	0	25.0	DRY	0.030
	740	0.002	0.2	0.00	0	0.0	WET	0.020
		1.027	**100.0**					
X07	140	0.151	7.2	0.25	30	50.0	NORMAL	0.050
	710	0.000		0.20	0	90.0	NORMAL	0.100
	730	1.948	92.6	0.35	0	25.0	DRY	0.030
	732	0.004	0.2	0.35	0	25.0	DRY	0.030
	740	0.001	0.1	0.00	0	0.0	WET	0.020
		2.104	**100.1**					
X08	730	0.395	100.0	0.35	0	25.0	DRY	0.030
		0.395	**100.0**					
X09	730	0.348	100.0	0.35	0	25.0	DRY	0.030
		0.348	**100.0**					
X10	730	0.213	100.0	0.35	0	25.0	DRY	0.030
		0.213	**100.0**					
X11	140	0.091	30.8	0.25	30	50.0	NORMAL	0.050
	730	0.204	69.2	0.35	0	25.0	DRY	0.030
		0.295	**100.0**					
X12	140	0.058	24.5	0.25	30	50.0	NORMAL	0.050
	560	0.000	0.1	0.10	80	75.0	NORMAL	0.020
	730	0.179	75.4	0.35	0	25.0	DRY	0.030

Sub Basin	Land Use Code	Area (sq mi)	Area (%)	Initial Loss (IA)	Percent Impervious (RTIMP)	Vegetable Cover (%)	DTHETA	Kn
Major Basin ID: X								
		0.237	**100.0**					
X13	730	3.723	100.0	0.35	0	25.0	DRY	0.030
		3.723	**100.0**					
X14	120	0.015	7.8	0.30	5	20.0	NORMAL	0.050
	710	0.170	88.0	0.20	0	90.0	NORMAL	0.100
	730	0.008	4.3	0.35	0	25.0	DRY	0.030
		0.193	**100.1**					
X15	710	0.194	100.0	0.20	0	90.0	NORMAL	0.100
		0.194	**100.0**					
X16	140	0.229	82.7	0.25	30	50.0	NORMAL	0.050
	560	0.000		0.10	80	75.0	NORMAL	0.020
	730	0.048	17.2	0.35	0	25.0	DRY	0.030
		0.277	**99.9**					
X17	140	0.037	8.0	0.25	30	50.0	NORMAL	0.050
	560	0.420	90.9	0.10	80	75.0	NORMAL	0.020
	710	0.000		0.20	0	90.0	NORMAL	0.100
	730	0.000		0.35	0	25.0	DRY	0.030
	732	0.003	0.6	0.35	0	25.0	DRY	0.030
	740	0.000		0.00	0	0.0	WET	0.020
	810	0.002	0.4	0.10	80	75.0	NORMAL	0.020
		0.462	**99.9**					
X18	140	0.411	99.4	0.25	30	50.0	NORMAL	0.050
	560	0.000	0.1	0.10	80	75.0	NORMAL	0.020
	710	0.000		0.20	0	90.0	NORMAL	0.100
	730	0.001	0.2	0.35	0	25.0	DRY	0.030
	740	0.001	0.3	0.00	0	0.0	WET	0.020
		0.414	**100.0**					

Area ID	Sub Basin Parameters								Rainfall Losses					
	Area (sq mi)	Length (mi)	Slope (ft/mi)	S-Graph	Lca (mi)	Lag (min)	Velocity (f/s)	Kn	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)	
Major Basin ID: A														
000A01	9.619	6.51	225.0	VALLEY	2.77	46.30	12.37	0.03	0.35	0.35	3.23	0.77*		*
000A03	1.064	3.50	189.9	VALLEY	1.51	30.00	10.27	0.03	0.35	0.35	2.88	0.99*		*
000A04	0.743	2.26	337.5	VALLEY	0.76	17.60	11.34	0.03	0.35	0.35	2.80	1.05*		*
000A05	2.141	3.18	188.7	VALLEY	1.55	29.30	9.56	0.03	0.35	0.35	3.01	0.90*		*
000A06	1.108	3.46	208.1	VALLEY	1.91	32.10	9.48	0.03	0.35	0.35	2.91	0.97*		*
000A07	0.523	2.10	193.6	VALLEY	1.12	22.00	8.40	0.03	0.35	0.35	2.86	1.00*		*
000A08	2.128	4.24	64.2	VALLEY	2.52	48.20	7.74	0.03	0.35	0.35	3.17	0.81*		*
000A09	0.784	2.57	105.6	VALLEY	1.37	28.70	7.86	0.03	0.35	0.35	2.94	0.95*		*
000A10	0.928	3.60	43.6	VALLEY	1.57	40.70	7.78	0.03	0.35	0.35	4.80	0.29		*
000A11	1.804	4.42	215.4	VALLEY	2.35	37.90	10.27	0.03	0.35	0.35	3.25	0.76*		*
000A12	1.064	2.71	97.6	VALLEY	1.49	31.80	7.51	0.03	0.35	0.34	4.50	0.35		*
000A13	0.580	1.99	38.2	VALLEY	0.83	27.00	6.48	0.03	0.35	0.38	5.80	0.19	2	*
000A14	0.856	2.34	42.3	VALLEY	1.00	30.30	6.80	0.03	0.34	0.34	4.70	0.31	2	*
000A15	0.941	3.58	43.0	VALLEY	1.72	42.20	7.47	0.03	0.35	0.36	5.30	0.24		*
000A16	0.333	1.97	42.1	VALLEY	1.01	27.60	6.29	0.03	0.35	0.40	6.00	0.18		*
000A17	0.570	2.72	40.4	VALLEY	1.41	35.70	6.71	0.03	0.35	0.39	5.80	0.19		*
000A18	0.694	2.45	42.9	VALLEY	1.28	32.60	6.59	0.03	0.35	0.39	5.80	0.19		*
000A19	0.464	1.99	40.3	VALLEY	0.80	27.20	6.42	0.03	0.35	0.38	5.40	0.22		
000A20	0.340	1.79	43.6	VALLEY	0.86	24.80	6.34	0.03	0.35	0.36	5.00	0.27		*
000A21	1.044	2.88	53.1	VALLEY	1.41	34.60	7.33	0.03	0.35	0.35	4.60	0.33		
000A22	0.578	3.76	54.5	VALLEY	2.11	44.40	7.45	0.03	0.35	0.35	3.71	0.55*		
000A23	0.233	2.24	72.6	VALLEY	1.18	27.70	7.13	0.03	0.35	0.35	3.11	0.84*		*
000A24	1.355	3.44	54.6	VALLEY	1.64	39.00	7.77	0.03	0.35	0.35	3.17	0.81*		
000A25	0.215	1.64	50.1	VALLEY	0.82	23.00	6.27	0.03	0.35	0.35	3.19	0.79*		
000A26	0.499	1.97	47.6	VALLEY	0.99	26.70	6.49	0.03	0.35	0.35	3.74	0.54*		
000A27	1.105	3.02	42.7	VALLEY	1.24	35.00	7.60	0.03	0.35	0.35	3.60	0.58*		*
000A28	0.551	1.57	40.2	VALLEY	0.57	20.50	6.73	0.03	0.35	0.35	3.45	0.65*		*
000A29	1.188	2.52	37.3	VALLEY	1.10	32.00	6.93	0.03	0.35	0.35	3.09	0.85*		*
000A30	0.675	3.30	40.6	VALLEY	1.58	40.00	7.25	0.03	0.35	0.35	3.88	0.49*		
000A31	0.538	2.98	45.3	VALLEY	1.52	38.40	6.83	0.03	0.34	0.37	5.60	0.21		*
000A32	1.207	3.52	36.9	VALLEY	1.51	41.10	7.54	0.03	0.35	0.39	5.70	0.20		*
000A33	0.284	1.58	43.1	VALLEY	0.79	23.00	6.05	0.03	0.35	0.40	6.00	0.18		
000A34	0.385	1.75	33.1	VALLEY	0.60	22.60	6.80	0.03	0.35	0.39	5.70	0.20		
000A35	0.847	2.04	35.4	VALLEY	0.79	26.30	6.82	0.03	0.35	0.36	5.00	0.27		
000A36	0.435	1.91	40.4	VALLEY	0.74	24.40	6.88	0.03	0.35	0.35	4.90	0.28	1	*

* Non default value

Area ID	Sub Basin Parameters								Rainfall Losses					
	Area (sq mi)	Length (mi)	Slope (ft/mi)	S-Graph	Lca (mi)	Lag (min)	Velocity (f/s)	Kn	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)	
Major Basin ID: A														
000A37	1.346	2.55	38.4	VALLEY	1.18	33.90	6.62	0.03	0.34	0.34	4.90	0.28	1	*
000A38	0.482	1.44	31.2	AGRICULTURE	0.58	14.00	9.07	0.02	0.10	0.25	4.55	0.29	5	
000A39	0.495	1.46	28.7	AGRICULTURE	0.59	14.40	8.95	0.02	0.10	0.25	4.80	0.25	5	
000A40	0.498	1.47	26.6	VALLEY	0.59	14.60	8.83	0.02	0.10	0.25	4.90	0.24	5	
000A41	0.915	2.65	21.9	AGRICULTURE	1.58	41.40	5.62	0.03	0.35	0.35	4.55	0.34	9	*
000A42	0.852	2.21	24.5	AGRICULTURE	0.69	35.90	5.41	0.04	0.27	0.28	4.70	0.31	2	
000A43	0.505	1.47	31.3	AGRICULTURE	0.60	14.30	9.07	0.02	0.10	0.25	4.80	0.25	5	
000A44	0.366	0.99	29.3	AGRICULTURE	0.49	12.10	7.21	0.02	0.11	0.26	4.70	0.26	5	
000A45	0.533	1.34	28.3	VALLEY	0.82	19.00	6.22	0.02	0.20	0.29	4.50	0.31	3	
000A46	0.198	1.25	26.4	AGRICULTURE	0.58	16.40	6.71	0.02	0.20	0.29	4.65	0.28	3	
000A47	0.791	1.48	22.3	AGRICULTURE	0.55	21.40	6.08	0.03	0.20	0.28	4.60	0.30	3	
000A48	1.059	2.24	34.4	VALLEY	1.22	22.60	8.70	0.02	0.12	0.26	4.65	0.27	7	*
000A49	0.751	2.09	16.3	VALLEY	0.97	27.70	6.64	0.03	0.23	0.30	4.45	0.33	3	
000A50	1.034	2.11	33.3	VALLEY	1.03	97.30	1.90	0.10	0.49	0.25	4.65	0.49	14	*
000A51	1.486	4.97	34.0	VALLEY	2.21	54.90	7.96	0.03	0.34	0.34	4.70	0.31		*
000A52	0.218	1.23	30.2	VALLEY	0.49	18.60	5.79	0.03	0.35	0.35	4.60	0.33		
000A53	1.746	2.18	32.2	VALLEY	1.20	32.20	5.95	0.03	0.35	0.35	3.07	0.86*		*
000A54	0.507	1.44	76.6	VALLEY	1.11	22.60	5.59	0.03	0.35	0.35	3.33	0.71*	19	*
000A55	0.613	1.51	35.1	VALLEY	0.70	23.20	5.74	0.03	0.35	0.35	3.67	0.56*	1	*
000A56	1.839	2.92	61.7	VALLEY	1.33	33.00	7.77	0.03	0.35	0.35	4.45	0.37	13	*
000A57	1.469	1.91	271.7	VALLEY	0.98	36.60	4.61	0.06	0.41	0.31	4.50	0.43	33	*
000A58	2.131	3.85	105.3	VALLEY	2.12	39.60	8.55	0.03	0.35	0.35	4.00	0.46	23	*
000A59	1.255	2.57	216.2	VALLEY	1.51	26.00	8.68	0.03	0.35	0.35	4.35	0.39	26	*
000A60	1.667	2.65	149.2	VALLEY	1.19	26.70	8.74	0.03	0.34	0.34	4.45	0.37	17	*
000A61	1.964	3.42	84.7	VALLEY	1.25	35.50	8.48	0.03	0.33	0.32	4.45	0.37	10	*
000A62	0.288	0.93	43.1	VALLEY	0.52	20.80	3.92	0.04	0.31	0.29	4.10	0.45	5	*
000A63	0.607	1.76	31.9	VALLEY	0.68	24.70	6.25	0.03	0.35	0.37	5.30	0.23		*
000A64	0.231	1.23	85.4	VALLEY	0.65	17.00	6.35	0.03	0.35	0.35	4.15	0.43		*
000A65	0.547	1.91	170.6	VALLEY	0.73	18.40	9.09	0.03	0.35	0.35	3.48	0.64*		

Area ID	Sub Basin Parameters								Rainfall Losses				
	Area (sq mi)	Length (mi)	Slope (ft/mi)	S-Graph	Lca (mi)	Lag (min)	Velocity (f/s)	Kn	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)
Major Basin ID: B													
000B01	5.160	5.39	160.1	VALLEY	2.35	43.20	10.98	0.03	0.35	0.35	2.91	0.97*	*
000B02	3.584	4.22	117.3	VALLEY	1.91	38.60	9.62	0.03	0.35	0.35	3.27	0.75*	*
000B03	13.202	7.88	149.5	VALLEY	3.25	57.20	12.12	0.03	0.35	0.35	3.21	0.78*	*
000B04	0.906	3.59	52.7	VALLEY	1.36	37.10	8.50	0.03	0.35	0.35	4.10	0.44	*
000B05	0.532	2.59	44.5	VALLEY	1.02	30.40	7.50	0.03	0.35	0.35	4.50	0.35	*
000B06	0.566	1.95	41.0	VALLEY	0.86	26.00	6.61	0.03	0.35	0.35	4.60	0.33	
000B07	0.340	0.74	13.6	AGRICULTURE	0.26	21.50	3.01	0.05	0.24	0.25	4.70	0.32	3
000B08	0.430	1.13	21.3	AGRICULTURE	0.76	72.90	1.36	0.10	0.49	0.26	4.50	0.54	
000B09	0.263	1.51	19.9	VALLEY	0.66	34.20	3.88	0.04	0.38	0.33	3.71	0.60*	
000B10	0.552	1.57	31.2	VALLEY	0.93	25.90	5.32	0.03	0.35	0.35	4.70	0.30	
000B11	0.239	1.56	33.3	VALLEY	0.78	23.90	5.74	0.03	0.35	0.35	4.70	0.30	
000B12	0.332	2.43	30.5	VALLEY	1.05	32.20	6.63	0.03	0.35	0.35	4.55	0.34	
000B13	0.155	0.72	44.3	VALLEY	0.34	12.30	5.16	0.03	0.35	0.35	4.25	0.41	
000B14	0.393	2.01	31.3	VALLEY	0.90	28.10	6.29	0.03	0.35	0.35	4.45	0.36	
000B15	0.644	2.30	36.5	VALLEY	0.78	27.20	7.44	0.03	0.35	0.35	4.40	0.37	
000B16	0.821	1.73	52.5	VALLEY	0.91	24.20	6.30	0.03	0.35	0.35	3.58	0.60*	*
000B17	0.048	0.59	47.3	VALLEY	0.29	10.60	4.90	0.03	0.35	0.35	3.60	0.58*	
000B18	0.623	2.89	39.1	VALLEY	1.30	35.60	7.14	0.03	0.35	0.35	3.58	0.60*	
000B19	0.538	2.75	36.7	VALLEY	1.41	36.50	6.64	0.03	0.35	0.35	4.15	0.43	
000B20	0.177	1.15	37.4	VALLEY	0.54	18.10	5.59	0.03	0.35	0.35	4.00	0.46	
000B21	0.313	1.54	35.7	VALLEY	0.78	23.50	5.77	0.03	0.35	0.35	4.15	0.43	
000B22	0.548	1.64	495.1	VALLEY	0.95	15.70	9.17	0.03	0.35	0.35	3.53	0.62*	*
000B23	0.299	1.16	665.2	VALLEY	0.57	10.70	9.49	0.03	0.35	0.35	2.89	0.98*	*
000B24	0.238	1.40	457.2	VALLEY	0.73	13.60	9.06	0.03	0.35	0.35	3.19	0.79*	*
000B25	0.298	1.84	373.3	VALLEY	1.03	17.90	9.07	0.03	0.35	0.35	3.07	0.86*	*
000B26	0.353	2.35	268.5	VALLEY	1.25	22.50	9.20	0.03	0.35	0.35	3.19	0.79*	*
000B27	0.856	1.78	473.5	VALLEY	1.03	16.90	9.27	0.03	0.35	0.35	3.03	0.89*	*
000B28	0.386	2.03	473.9	VALLEY	1.20	18.80	9.52	0.03	0.35	0.35	3.03	0.89*	*
000B29	0.915	2.93	217.0	VALLEY	1.49	28.10	9.17	0.03	0.35	0.35	3.17	0.81*	*
000B30	0.533	2.22	264.9	VALLEY	1.26	22.10	8.83	0.03	0.35	0.35	2.88	0.99*	*
000B31	0.160	1.11	234.4	VALLEY	0.61	13.20	7.39	0.03	0.35	0.35	3.01	0.90*	*
000B32	0.043	0.74	53.1	VALLEY	0.33	11.90	5.46	0.03	0.35	0.35	2.97	0.92*	
000B33	0.283	2.03	44.0	VALLEY	0.76	24.80	7.19	0.03	0.35	0.35	3.31	0.72*	
000B34	0.125	1.57	62.4	VALLEY	0.76	21.10	6.56	0.03	0.35	0.35	3.15	0.82*	
000B35	0.249	1.99	68.0	VALLEY	0.88	24.00	7.29	0.03	0.35	0.35	3.19	0.79*	

* Non default value

Area ID	Sub Basin Parameters								Rainfall Losses					
	Area (sq mi)	Length (mi)	Slope (ft/mi)	S-Graph	Lca (mi)	Lag (min)	Velocity (f/s)	Kn	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)	
Major Basin ID: B														
000B36	0.184	1.31	50.3	VALLEY	0.68	19.60	5.88	0.03	0.35	0.35	4.55	0.34		
000B37	0.086	0.98	32.7	VALLEY	0.45	16.30	5.28	0.03	0.35	0.35	4.55	0.34		
000B38	0.439	2.36	32.7	VALLEY	1.12	32.20	6.44	0.03	0.35	0.35	4.65	0.32		
000B39	0.390	1.66	35.5	VALLEY	0.87	25.20	5.80	0.03	0.35	0.35	3.74	0.54*		
000B40	0.182	1.54	37.7	VALLEY	0.75	22.90	5.92	0.03	0.35	0.35	3.19	0.79*		
000B41	0.445	2.52	36.6	VALLEY	1.23	33.50	6.61	0.03	0.35	0.35	4.20	0.42		
000B42	0.197	1.39	38.9	VALLEY	0.58	19.80	6.16	0.03	0.35	0.35	4.00	0.46		
000B43	0.174	1.25	28.8	VALLEY	0.67	21.30	5.16	0.03	0.35	0.35	4.70	0.30		
000B44	0.375	2.08	33.7	VALLEY	0.92	28.30	6.46	0.03	0.35	0.35	4.30	0.40		
000B45	0.967	2.50	33.5	VALLEY	1.31	34.80	6.33	0.03	0.35	0.35	4.30	0.40		
000B46	1.059	3.40	30.9	VALLEY	1.39	40.60	7.36	0.03	0.35	0.35	4.40	0.37		
000B47	0.316	1.64	37.2	VALLEY	0.61	21.70	6.64	0.03	0.35	0.35	4.50	0.35		
000B48	0.574	1.97	33.5	VALLEY	0.72	25.30	6.85	0.03	0.35	0.35	4.55	0.34		
000B49	0.269	1.75	37.1	VALLEY	0.72	23.80	6.49	0.03	0.35	0.36	5.00	0.27		
000B50	0.273	2.02	35.2	VALLEY	0.87	27.20	6.53	0.03	0.35	0.35	4.45	0.36		
000B52	0.576	2.02	34.7	VALLEY	0.80	26.40	6.72	0.03	0.35	0.35	3.74	0.54*		
000B53	0.537	1.85	34.0	VALLEY	0.65	24.50	6.65	0.03	0.34	0.34	4.00	0.46	1	*
000B54	0.289	1.94	33.5	VALLEY	0.76	25.70	6.64	0.03	0.35	0.35	4.50	0.35		*
000B55	0.079	0.75	40.1	VALLEY	0.31	12.70	5.18	0.03	0.35	0.35	3.38	0.69*		
000B56	0.222	1.60	35.0	VALLEY	0.89	28.50	4.94	0.03	0.36	0.34	4.40	0.39		*
000B57	0.099	0.96	39.6	VALLEY	0.52	18.70	4.52	0.03	0.36	0.34	4.30	0.41		
000B58	0.243	1.50	38.1	VALLEY	0.79	23.00	5.71	0.03	0.34	0.34	3.92	0.49*	1	*
000B59	0.505	1.48	23.0	VALLEY	1.00	18.40	7.06	0.02	0.10	0.25	4.30	0.34	5	
000B60	0.994	2.59	10.8	AGRICULTURE	1.23	142.30	1.60	0.10	0.50	0.25	4.55	0.53		
000B61	0.746	1.65	16.4	AGRICULTURE	0.95	21.10	6.87	0.02	0.13	0.26	4.60	0.28	5	
000B62	0.334	1.06	10.3	AGRICULTURE	0.60	69.40	1.35	0.09	0.48	0.27	4.60	0.48		
000B63	0.226	0.95	18.9	AGRICULTURE	0.50	59.00	1.42	0.10	0.49	0.26	4.50	0.53		
000B64	0.288	1.31	25.2	VALLEY	0.73	73.60	1.56	0.10	0.49	0.26	4.70	0.47		
000B65	0.199	1.07	30.0	VALLEY	0.33	16.20	5.78	0.03	0.34	0.33	4.55	0.35	1	*

Area ID	Sub Basin Parameters								Rainfall Losses				
	Area (sq mi)	Length (mi)	Slope (ft/mi)	S-Graph	Lca (mi)	Lag (min)	Velocity (f/s)	Kn	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)
Major Basin ID: C													
C01	0.450	1.27	1145.3	MOUNTAIN	0.59	10.10	10.98	0.03	0.35	0.35	2.89	0.98*	*
C02	0.129	1.01	1161.1	VALLEY	0.51	8.80	10.13	0.03	0.35	0.35	2.91	0.97*	*
C03	0.295	1.49	764.1	VALLEY	0.94	13.90	9.44	0.03	0.35	0.35	2.94	0.95*	*
C04	0.234	1.05	1076.6	MOUNTAIN	0.55	9.30	9.90	0.03	0.35	0.35	2.88	0.99*	*
C05	0.228	1.07	631.9	VALLEY	0.51	10.10	9.32	0.03	0.35	0.35	2.95	0.93*	*
C06	0.349	1.96	153.2	VALLEY	0.82	19.90	8.67	0.03	0.35	0.35	3.19	0.79*	
C07	1.183	2.52	178.5	VALLEY	0.99	22.80	9.70	0.03	0.35	0.35	3.07	0.86*	*
C08	0.873	2.51	152.4	VALLEY	1.22	25.40	8.69	0.03	0.35	0.35	3.13	0.83*	
C09	0.138	1.44	111.4	VALLEY	0.70	17.70	7.15	0.03	0.35	0.35	3.13	0.83*	
C10	0.548	2.50	84.0	VALLEY	1.26	28.80	7.64	0.03	0.35	0.35	3.19	0.79*	
C11	0.289	1.77	122.9	VALLEY	1.03	21.80	7.17	0.03	0.35	0.35	3.11	0.84*	
C12	0.201	1.63	336.8	VALLEY	0.86	16.30	8.83	0.03	0.35	0.35	3.09	0.85*	*
C13	0.520	2.18	76.7	VALLEY	0.84	23.80	8.04	0.03	0.35	0.35	3.21	0.78*	
C14	0.224	1.62	65.4	VALLEY	0.63	19.70	7.25	0.03	0.35	0.35	3.15	0.82*	
C15	0.095	0.96	65.6	VALLEY	0.45	14.20	5.96	0.03	0.35	0.35	4.20	0.42	
C16	0.127	1.33	75.5	VALLEY	0.59	17.30	6.74	0.03	0.35	0.35	3.23	0.77*	
C17	0.121	0.80	58.5	VALLEY	0.36	12.40	5.68	0.03	0.35	0.35	3.48	0.64*	*
C18	0.078	0.50	58.6	VALLEY	0.28	9.40	4.63	0.03	0.35	0.35	4.00	0.46	*
C19	0.257	0.99	54.7	VALLEY	0.42	14.50	6.01	0.03	0.35	0.35	3.60	0.58*	
C20	0.464	1.84	49.4	VALLEY	0.95	25.50	6.36	0.03	0.35	0.35	3.25	0.76*	
C21	0.563	1.10	347.5	VALLEY	0.41	10.50	9.23	0.03	0.35	0.35	2.86	1.00*	*
C22	0.804	1.70	360.9	VALLEY	0.94	16.90	8.88	0.03	0.35	0.35	3.11	0.84*	*
C23	0.496	0.93	333.7	VALLEY	0.49	10.60	7.68	0.03	0.35	0.35	3.03	0.89*	*
C24	0.162	0.92	49.9	VALLEY	0.45	14.70	5.52	0.03	0.35	0.35	3.19	0.79*	
C25	0.076	0.43	49.1	VALLEY	0.15	7.30	5.19	0.03	0.35	0.35	3.15	0.82*	
C26	0.101	0.80	40.3	VALLEY	0.37	13.40	5.20	0.03	0.35	0.35	3.15	0.82*	
C27	0.214	0.99	47.7	VALLEY	0.38	14.30	6.07	0.03	0.35	0.35	3.60	0.58*	
C28	0.050	0.43	58.1	VALLEY	0.14	6.90	5.51	0.03	0.35	0.35	4.65	0.32	
C29	0.339	1.25	46.3	VALLEY	0.44	16.60	6.63	0.03	0.35	0.35	3.92	0.48*	
C30	0.235	1.09	53.4	VALLEY	0.42	15.10	6.35	0.03	0.35	0.35	4.20	0.42	
C31	0.101	1.01	58.3	VALLEY	0.49	15.30	5.83	0.03	0.35	0.35	3.15	0.82*	
C33	32.518	10.25	126.0	VALLEY	4.96	76.70	11.76	0.03	0.35	0.35	3.48	0.64*	*
C34	0.861	3.14	31.2	VALLEY	1.73	42.80	6.47	0.03	0.35	0.35	3.48	0.64*	
C35	5.805	3.69	268.2	VALLEY	1.58	29.20	11.13	0.03	0.35	0.35	3.38	0.69*	*
C36	3.084	4.78	209.4	VALLEY	2.50	40.20	10.47	0.03	0.35	0.35	3.71	0.55*	*

* Non default value

Area ID	Sub Basin Parameters								Rainfall Losses				
	Area (sq mi)	Length (mi)	Slope (ft/mi)	S-Graph	Lca (mi)	Lag (min)	Velocity (f/s)	Kn	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)
Major Basin ID: C													
C37	1.801	4.66	52.6	VALLEY	2.25	49.70	8.25	0.03	0.35	0.35	3.67	0.56*	
C38	0.640	3.23	58.8	VALLEY	1.46	35.90	7.92	0.03	0.35	0.35	3.43	0.67*	
C39	0.129	1.13	63.9	VALLEY	0.53	16.10	6.15	0.03	0.35	0.35	2.86	1.00*	
C40	0.170	1.34	63.4	VALLEY	0.63	18.40	6.40	0.03	0.35	0.35	3.07	0.86*	
C41	0.078	0.72	63.8	VALLEY	0.41	12.30	5.14	0.03	0.35	0.35	2.97	0.92*	
C42	0.109	0.74	60.5	VALLEY	0.33	11.60	5.63	0.03	0.35	0.35	3.35	0.70*	
C43	0.209	1.16	69.1	VALLEY	0.52	15.90	6.39	0.03	0.35	0.35	2.97	0.92*	
C44	0.170	1.16	51.6	VALLEY	0.61	17.90	5.71	0.03	0.35	0.35	4.90	0.28	
C45	0.125	1.01	49.3	VALLEY	0.43	15.00	5.94	0.03	0.35	0.35	4.35	0.39	
C46	0.245	2.18	67.1	VALLEY	1.07	26.80	7.15	0.03	0.35	0.35	4.10	0.44	
C47	1.000	2.94	41.9	VALLEY	1.67	38.90	6.65	0.03	0.35	0.35	4.60	0.33	
C48	0.255	1.41	38.3	VALLEY	0.52	19.20	6.46	0.03	0.35	0.35	4.40	0.37	
C49	0.186	0.98	39.0	VALLEY	0.41	15.20	5.64	0.03	0.35	0.35	4.45	0.36	
C51	0.390	1.56	21.8	AGRICULTURE	0.69	81.60	1.68	0.10	0.50	0.25	4.70	0.47	
C52	0.382	1.62	22.3	AGRICULTURE	0.77	86.70	1.64	0.10	0.50	0.25	4.80	0.46	
C53	0.373	1.62	25.3	AGRICULTURE	0.75	83.90	1.70	0.10	0.50	0.25	4.80	0.46	

* Non default value

Flood Control District of Maricopa County
Drainage Design Management System
SUB BASINS
Project Reference: SUB BASIN D

Area ID	Sub Basin Parameters								Rainfall Losses				
	Area (sq mi)	Length (mi)	Slope (ft/mi)	S-Graph	Lca (mi)	Lag (min)	Velocity (f/s)	Kn	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)
Major Basin ID: D													
000D01	2.428	4.14	239.4	VALLEY	1.67	31.80	11.45	0.03	0.35	0.35	3.11	0.84*	*
000D02	0.496	1.50	581.8	VALLEY	0.83	14.00	9.44	0.03	0.35	0.35	3.15	0.82*	*
000D03	0.340	1.65	128.9	VALLEY	0.76	18.70	7.77	0.03	0.35	0.35	2.99	0.91*	*
000D04	0.198	1.51	76.4	VALLEY	0.63	18.60	7.13	0.03	0.35	0.35	2.85	1.02*	
000D05	1.927	4.57	60.2	VALLEY	1.95	45.50	8.83	0.03	0.35	0.35	3.17	0.81*	
000D06	1.216	2.89	66.7	VALLEY	1.67	35.40	7.19	0.03	0.35	0.35	2.82	1.04*	*
000D07	1.050	3.27	59.9	VALLEY	1.67	37.90	7.61	0.03	0.35	0.35	3.27	0.75*	*
000D08	0.280	1.53	52.2	VALLEY	0.61	19.90	6.79	0.03	0.35	0.35	3.13	0.83*	
000D09	0.544	2.30	251.1	VALLEY	1.43	23.80	8.51	0.03	0.35	0.35	3.40	0.68*	*
000D10	0.841	3.19	39.8	VALLEY	1.61	40.00	7.03	0.03	0.35	0.35	3.85	0.50*	
000D11	0.395	1.74	39.8	VALLEY	0.77	24.00	6.37	0.03	0.35	0.35	3.64	0.57*	
000D12	0.128	0.93	44.0	VALLEY	0.39	14.30	5.72	0.03	0.35	0.35	3.17	0.81*	
000D13	0.559	1.37	41.5	VALLEY	0.53	18.90	6.41	0.03	0.35	0.35	4.40	0.37	
000D15	0.653	2.50	36.9	VALLEY	1.01	30.90	7.10	0.03	0.35	0.35	4.40	0.37	
000D17	0.778	2.82	37.3	VALLEY	1.29	35.50	6.99	0.03	0.35	0.35	3.50	0.63*	
000D18	0.432	2.11	38.5	VALLEY	0.90	27.50	6.73	0.03	0.35	0.35	3.21	0.78*	
000D19	0.247	1.30	37.7	VALLEY	0.55	19.10	5.99	0.03	0.35	0.35	3.21	0.78*	
000D20	0.110	0.82	40.0	VALLEY	0.35	13.40	5.43	0.03	0.35	0.35	3.21	0.78*	
000D21	0.077	0.65	38.5	VALLEY	0.23	10.50	5.45	0.03	0.35	0.35	3.21	0.78*	
000D22	7.722	6.51	27.3	VALLEY	3.57	76.20	7.52	0.03	0.35	0.35	3.88	0.49*	*
000D23	0.709	2.34	33.4	VALLEY	1.26	33.40	6.15	0.03	0.35	0.35	3.95	0.47*	
000D24	0.431	1.97	34.5	VALLEY	1.02	28.70	6.03	0.03	0.35	0.35	3.64	0.57*	
000D25	1.334	2.59	32.4	VALLEY	1.37	36.10	6.32	0.03	0.35	0.35	3.35	0.70*	
000D26	1.546	3.75	28.8	VALLEY	1.80	47.10	7.00	0.03	0.35	0.35	4.35	0.39	
000D27	0.259	1.58	16.5	VALLEY	0.81	27.90	4.99	0.03	0.35	0.36	5.00	0.27	
000D28	1.808	3.80	27.4	VALLEY	1.65	46.30	7.23	0.03	0.35	0.35	4.60	0.33	
000D29	3.395	4.16	78.8	VALLEY	1.81	40.60	9.03	0.03	0.35	0.35	3.31	0.72*	*
000D30	0.426	1.91	31.4	VALLEY	0.87	27.20	6.17	0.03	0.35	0.35	3.85	0.50*	
000D31	0.670	2.57	31.9	VALLEY	1.31	35.50	6.37	0.03	0.35	0.35	3.64	0.57*	
000D32	0.501	1.92	33.3	VALLEY	0.63	23.90	7.09	0.03	0.35	0.35	4.15	0.43	
000D33	0.650	2.17	30.5	VALLEY	1.15	31.90	5.97	0.03	0.35	0.35	4.25	0.41	
000D34	1.202	2.00	28.1	VALLEY	0.97	21.60	8.13	0.02	0.16	0.27	4.55	0.29	4
000D35	1.234	3.39	28.9	VALLEY	1.53	42.60	7.00	0.03	0.35	0.35	3.95	0.47*	
000D36	0.248	1.24	25.9	VALLEY	0.64	21.30	5.11	0.03	0.35	0.35	4.65	0.32	
000D37	0.279	1.78	30.4	VALLEY	0.83	27.90	5.60	0.03	0.35	0.35	4.45	0.37	

* Non default value

Flood Control District of Maricopa County
Drainage Design Management System
SUB BASINS
Project Reference: SUB BASIN D

Area ID	Sub Basin Parameters								Rainfall Losses				
	Area (sq mi)	Length (mi)	Slope (ft/mi)	S-Graph	Lca (mi)	Lag (min)	Velocity (f/s)	Kn	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)
Major Basin ID: D													
000D38	0.365	1.78	30.3	VALLEY	0.87	26.70	5.87	0.03	0.35	0.35	4.55	0.34	
000D39	0.292	1.67	26.9	VALLEY	0.79	25.70	5.73	0.03	0.35	0.35	4.80	0.29	
000D40	0.232	1.22	31.9	VALLEY	0.44	17.70	6.09	0.03	0.35	0.35	4.50	0.35	
000D41	0.295	1.13	31.8	VALLEY	0.56	18.80	5.29	0.03	0.35	0.35	4.40	0.37	
000D42	0.208	0.91	28.7	VALLEY	0.39	15.40	5.19	0.03	0.35	0.35	4.00	0.46	
000D43	0.151	0.91	36.1	VALLEY	0.32	13.70	5.87	0.03	0.35	0.35	4.15	0.43	
000D44	0.332	1.55	33.6	VALLEY	0.56	21.00	6.49	0.03	0.35	0.35	4.20	0.42	
000D45	0.262	1.32	31.8	VALLEY	5.26	46.80	2.49	0.03	0.35	0.35	4.30	0.40	
000D46	0.055	0.50	34.1	VALLEY	0.20	9.20	4.77	0.03	0.35	0.35	4.65	0.32	
000D47	0.040	0.56	28.6	VALLEY	0.18	9.60	5.16	0.03	0.35	0.35	3.40	0.68*	

* Non default value

Flood Control District of Maricopa County
Drainage Design Management System
SUB BASINS
Project Reference: SUB BASIN E

Area ID	Sub Basin Parameters								Rainfall Losses				
	Area (sq mi)	Length (mi)	Slope (ft/mi)	S-Graph	Lca (mi)	Lag (min)	Velocity (f/s)	Kn	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)
Major Basin ID: E													
E01	4.541	4.20	181.6	MOUNTAIN	2.28	37.90	9.74	0.03	0.35	0.35	3.38	0.69*	*
E02	6.365	4.11	131.3	VALLEY	1.86	37.00	9.77	0.03	0.35	0.35	2.86	1.00*	*
E03	2.027	3.02	231.1	VALLEY	1.49	27.20	9.77	0.03	0.35	0.35	2.94	0.95*	*
E04	1.771	2.44	325.3	VALLEY	1.10	21.00	10.26	0.03	0.35	0.35	2.91	0.97*	*
E05	4.177	5.98	48.7	VALLEY	5.98	80.40	6.54	0.03	0.35	0.35	3.21	0.78*	*
E06	1.056	1.82	266.9	VALLEY	1.02	18.90	8.46	0.03	0.35	0.35	2.89	0.98*	*
E07	1.070	2.49	75.2	VALLEY	1.43	30.80	7.11	0.03	0.35	0.35	2.86	1.00*	*
E08	0.959	3.90	82.0	VALLEY	1.91	40.10	8.56	0.03	0.35	0.35	3.29	0.74*	*
E09	0.303	1.30	180.6	VALLEY	0.65	15.10	7.58	0.03	0.35	0.35	2.92	0.96*	*
E10	0.098	0.74	55.7	VALLEY	0.34	11.90	5.45	0.03	0.35	0.35	3.55	0.61*	
E11	2.267	3.04	35.2	VALLEY	1.44	38.50	6.95	0.03	0.35	0.35	3.11	0.84*	*
E12	1.048	3.34	123.1	VALLEY	1.74	34.90	8.42	0.03	0.35	0.34	3.78	0.53*	*
E13	1.531	3.62	40.9	VALLEY	1.81	43.60	7.31	0.03	0.35	0.35	3.95	0.47*	
E14	0.816	1.21	381.4	VALLEY	0.36	10.20	10.44	0.03	0.35	0.35	2.99	0.91*	*
E15	0.922	1.80	49.6	VALLEY	0.77	23.30	6.79	0.03	0.35	0.35	3.35	0.70*	*
E16	0.785	1.92	86.0	VALLEY	0.96	23.40	7.22	0.03	0.35	0.35	3.35	0.70*	
E17	1.478	3.64	45.4	VALLEY	1.80	42.70	7.49	0.03	0.35	0.35	3.21	0.78*	*
E18	0.730	2.25	42.6	VALLEY	0.99	28.70	6.90	0.03	0.35	0.35	3.35	0.70*	
E19	0.466	2.35	40.8	VALLEY	1.10	30.60	6.75	0.03	0.35	0.35	3.71	0.55*	
E20	0.508	3.34	35.0	VALLEY	1.78	43.30	6.79	0.03	0.35	0.35	4.20	0.42	
E21	0.349	1.53	41.1	VALLEY	0.87	23.80	5.67	0.03	0.35	0.35	3.25	0.76*	
E22	1.103	3.23	35.0	VALLEY	1.66	41.60	6.83	0.03	0.35	0.35	3.95	0.47*	
E23	0.325	2.23	31.8	VALLEY	1.23	32.90	5.98	0.03	0.35	0.35	4.65	0.32	
E24	0.261	2.22	35.1	VALLEY	1.15	31.40	6.23	0.03	0.35	0.35	4.35	0.39	
E25	1.638	4.44	32.9	VALLEY	2.22	53.00	7.36	0.03	0.35	0.35	4.15	0.43	
E26	0.253	1.47	43.5	VALLEY	0.78	22.20	5.83	0.03	0.35	0.35	4.65	0.32	
E27	0.128	1.42	32.4	VALLEY	0.63	21.40	5.84	0.03	0.35	0.35	4.65	0.32	
E28	0.204	1.54	36.9	VALLEY	0.66	21.90	6.20	0.03	0.35	0.35	4.65	0.32	
E29	0.561	2.41	34.9	VALLEY	1.28	33.70	6.28	0.03	0.35	0.35	4.65	0.32	
E30	0.637	2.55	34.5	VALLEY	1.31	34.90	6.44	0.03	0.35	0.35	4.40	0.37	
E31	0.380	2.14	34.5	VALLEY	1.03	29.80	6.33	0.03	0.35	0.35	4.15	0.43	
E32	0.284	1.15	33.0	VALLEY	0.60	19.30	5.24	0.03	0.35	0.35	3.55	0.61*	
E33	0.049	0.53	32.0	VALLEY	0.21	9.70	4.81	0.03	0.35	0.35	3.21	0.78*	
E34	0.268	1.92	31.3	VALLEY	0.91	27.70	6.08	0.03	0.35	0.35	4.65	0.32	
E35	0.366	1.21	28.9	VALLEY	0.55	19.50	5.45	0.03	0.35	0.35	4.65	0.32	

* Non default value

Area ID	Sub Basin Parameters								Rainfall Losses				
	Area (sq mi)	Length (mi)	Slope (ft/mi)	S-Graph	Lca (mi)	Lag (min)	Velocity (f/s)	Kn	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)
Major Basin ID: E													
E36	0.163	0.96	30.2	VALLEY	0.55	17.70	4.76	0.03	0.35	0.35	4.10	0.44	
E37	0.182	0.85	30.7	VALLEY	0.42	15.20	4.89	0.03	0.35	0.35	4.65	0.32	
E38	0.480	1.34	29.8	VALLEY	0.61	21.00	5.62	0.03	0.35	0.35	4.30	0.40	
E41	0.670	3.00	26.7	VALLEY	1.26	38.40	6.88	0.03	0.35	0.35	4.70	0.30	
E42	0.926	2.08	32.7	VALLEY	1.05	30.00	6.11	0.03	0.35	0.35	3.88	0.49*	
E43	0.714	1.61	29.7	VALLEY	0.74	24.30	5.85	0.03	0.35	0.35	4.30	0.40	
E44	0.629	1.71	25.7	VALLEY	0.86	27.00	5.58	0.03	0.35	0.35	3.95	0.47*	
E45	0.320	0.85	28.1	VALLEY	0.33	14.20	5.30	0.03	0.35	0.34	4.55	0.34	5 *
E46	0.238	0.65	30.7	VALLEY	0.24	11.10	5.15	0.03	0.35	0.35	4.50	0.35	5 *
E47	0.493	0.75	24.0	VALLEY	0.22	11.90	5.54	0.03	0.35	0.35	4.65	0.32	5 *
E48	0.861	1.43	23.8	VALLEY	0.70	23.70	5.32	0.03	0.35	0.35	4.60	0.33	
E49	0.224	1.54	25.9	VALLEY	0.69	23.10	5.89	0.03	0.32	0.34	3.48	0.67*	4 *
E50	0.699	1.74	23.0	VALLEY	0.53	15.40	9.93	0.02	0.10	0.25	4.60	0.48	54 *
E51	1.253	2.62	26.7	VALLEY	1.08	34.40	6.71	0.03	0.34	0.35	4.65	0.32	*
E52	0.164	0.41	14.7	VALLEY	0.17	6.30	5.74	0.02	0.10	0.25	4.65	0.46	52 *
E53	0.110	0.85	35.2	VALLEY	0.26	12.40	6.06	0.03	0.35	0.35	3.23	0.77*	
E54	0.122	1.10	25.4	VALLEY	0.55	19.30	5.03	0.03	0.35	0.35	4.50	0.35	

Flood Control District of Maricopa County
Drainage Design Management System
SUB BASINS
Project Reference: SUB BASIN F

Area ID	Sub Basin Parameters								Rainfall Losses				
	Area (sq mi)	Length (mi)	Slope (ft/mi)	S-Graph	Lca (mi)	Lag (min)	Velocity (f/s)	Kn	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)
Major Basin ID: F													
F01	1.777	3.26	62.9	VALLEY	1.69	37.60	7.63	0.03	0.35	0.35	2.94	0.95*	*
F01A	0.410	1.38	690.5	VALLEY	0.66	12.00	10.10	0.03	0.35	0.35	2.89	0.98*	*
F02	0.387	1.20	91.7	VALLEY	0.75	17.60	6.00	0.03	0.35	0.35	2.94	0.95*	*
F02A	0.636	1.53	614.8	VALLEY	0.77	13.60	9.92	0.03	0.35	0.35	2.92	0.96*	*
F03	1.629	4.70	267.9	VALLEY	2.18	36.20	11.45	0.03	0.35	0.35	2.94	0.95*	*
F04	2.198	4.69	55.4	VALLEY	2.21	49.00	8.43	0.03	0.35	0.35	2.94	0.95*	
F05	2.967	4.89	42.2	VALLEY	1.74	47.90	8.99	0.03	0.35	0.35	3.23	0.77*	*
F06	1.001	1.67	161.5	VALLEY	0.87	19.00	7.76	0.03	0.35	0.35	2.91	0.97*	*
F07	3.678	3.41	39.8	VALLEY	1.56	40.50	7.42	0.03	0.35	0.35	3.11	0.84*	*
F08	0.878	2.30	26.1	VALLEY	1.17	33.80	5.97	0.03	0.35	0.35	3.88	0.49*	
F09	2.691	4.18	24.9	VALLEY	2.12	53.70	6.84	0.03	0.35	0.35	3.53	0.62*	2 *
F10	2.247	2.77	192.6	VALLEY	1.60	28.00	8.71	0.03	0.35	0.35	3.15	0.82*	*
F11	1.485	2.90	79.4	VALLEY	1.48	32.70	7.79	0.03	0.35	0.35	3.01	0.90*	*
F12	0.312	1.56	253.5	VALLEY	0.79	16.30	8.41	0.03	0.35	0.35	3.05	0.88*	*
F13	0.260	1.27	342.8	VALLEY	0.60	12.80	8.68	0.03	0.35	0.35	2.97	0.92*	*
F14	0.388	1.66	267.7	VALLEY	0.86	17.10	8.55	0.03	0.35	0.35	3.09	0.85*	*
F15	0.784	2.46	36.2	VALLEY	1.08	31.60	6.83	0.03	0.35	0.35	4.40	0.37	
F16	0.110	0.79	25.3	VALLEY	0.34	14.20	4.90	0.03	0.35	0.35	4.60	0.33	
F17	1.159	2.88	140.1	VALLEY	1.26	27.60	9.20	0.03	0.35	0.35	3.35	0.70*	2 *
F18	0.302	1.07	28.0	VALLEY	0.47	17.70	5.34	0.03	0.35	0.35	4.50	0.35	20 *
F19	0.849	2.69	26.8	VALLEY	1.24	36.60	6.48	0.03	0.35	0.35	4.55	0.34	14 *
F20	0.797	2.54	22.1	VALLEY	1.04	37.00	6.03	0.03	0.34	0.34	4.55	0.34	16 *
F21	0.533	1.97	25.4	VALLEY	0.95	29.60	5.84	0.03	0.35	0.35	4.60	0.33	8 *
F22	0.366	1.56	24.4	VALLEY	0.65	25.20	5.43	0.03	0.35	0.35	4.60	0.33	8 *
F23	0.670	2.54	27.6	VALLEY	1.19	35.00	6.38	0.03	0.35	0.35	4.45	0.36	22 *
F24	0.799	2.65	26.4	VALLEY	1.00	33.60	6.94	0.03	0.35	0.35	4.60	0.33	14 *
F25	2.994	4.64	30.2	VALLEY	2.12	53.90	7.58	0.03	0.35	0.35	4.40	0.37	1 *
F26	0.495	2.36	27.1	VALLEY	0.89	30.60	6.79	0.03	0.35	0.35	4.65	0.32	
F27	0.671	1.77	24.9	VALLEY	0.81	26.90	5.79	0.03	0.35	0.35	4.60	0.33	5 *
F28	0.474	1.49	20.1	VALLEY	0.68	26.20	5.01	0.03	0.34	0.33	4.50	0.36	19 *
F29	0.594	1.95	20.6	VALLEY	0.83	29.20	5.87	0.03	0.35	0.35	4.55	0.34	12 *
F31	0.272	0.75	8.0	VALLEY	0.45	18.70	3.56	0.03	0.34	0.34	4.60	0.34	4 *
F32	0.287	1.10	18.1	VALLEY	0.73	22.90	4.23	0.03	0.35	0.35	4.65	0.32	
F33	0.492	1.42	22.6	VALLEY	0.75	25.30	4.93	0.03	0.35	0.35	4.60	0.33	5 *
F34	0.597	1.76	18.2	VALLEY	1.05	31.40	4.92	0.03	0.35	0.35	4.65	0.32	2 *

* Non default value

Flood Control District of Maricopa County
Drainage Design Management System
SUB BASINS
Project Reference: SUB BASIN F

Area ID	Sub Basin Parameters								Rainfall Losses				
	Area (sq mi)	Length (mi)	Slope (ft/mi)	S-Graph	Lca (mi)	Lag (min)	Velocity (f/s)	Kn	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)
Major Basin ID: F													
F35	0.666	2.09	21.0	VALLEY	1.03	32.40	5.68	0.03	0.35	0.35	4.65	0.32	1 *
F36	0.167	0.90	22.2	VALLEY	0.35	17.50	4.52	0.03	0.34	0.33	4.45	0.39	25 *

* Non default value

Area ID	Sub Basin Parameters								Rainfall Losses					
	Area (sq mi)	Length (mi)	Slope (ft/mi)	S-Graph	Lca (mi)	Lag (min)	Velocity (f/s)	Kn	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)	
Major Basin ID: G														
G01	1.584	3.94	77.8	VALLEY	1.95	41.00	8.45	0.03	0.35	0.35	3.95	0.47*		
G02	2.061	3.98	630.8	VALLEY	2.25	29.20	11.99	0.03	0.35	0.35	3.95	0.47*	6	
G03	2.460	3.66	657.9	VALLEY	2.44	28.90	11.13	0.03	0.35	0.35	3.92	0.48*	11	
G04	2.343	3.48	830.5	VALLEY	1.89	24.60	12.43	0.03	0.35	0.35	3.85	0.50*	5	
G05	1.587	2.35	633.2	MOUNTAIN	0.87	16.70	12.44	0.03	0.35	0.35	2.53	1.31*		
G06	2.155	2.24	724.8	VALLEY	0.88	16.00	12.31	0.03	0.35	0.35	3.85	0.50*	3	
G07	1.357	3.26	321.3	VALLEY	1.64	27.30	10.51	0.03	0.35	0.35	4.15	0.43	8	
G08	0.401	2.17	75.7	VALLEY	1.08	26.20	7.27	0.03	0.35	0.35	3.95	0.47*		
G09	0.702	2.88	50.7	VALLEY	1.51	35.80	7.07	0.03	0.35	0.35	3.95	0.47*		
G10	0.439	2.28	61.4	VALLEY	1.04	27.40	7.32	0.03	0.35	0.35	3.95	0.47*		
G11	0.605	1.69	43.7	VALLEY	0.84	24.10	6.18	0.03	0.35	0.35	3.95	0.47*		
G12	1.032	2.77	49.9	VALLEY	1.40	34.40	7.08	0.03	0.35	0.35	4.00	0.46		
G13	0.498	2.20	52.8	VALLEY	1.25	29.80	6.47	0.03	0.35	0.35	3.95	0.47*		
G14	0.136	1.04	48.1	VALLEY	0.47	15.80	5.80	0.03	0.35	0.35	3.95	0.47*		
G16	1.402	3.56	476.8	VALLEY	1.90	27.70	11.31	0.03	0.35	0.35	3.60	0.58*	10	*
G17	0.602	2.03	35.5	VALLEY	0.84	21.50	8.32	0.02	0.23	0.29	3.55	0.73*	47	*
G18	0.322	1.82	822.0	VALLEY	1.07	15.50	10.30	0.03	0.35	0.35	3.48	0.64*	29	*
G19	0.670	1.74	800.0	VALLEY	0.88	14.20	10.72	0.03	0.35	0.35	3.05	0.88*	12	*
G20	0.236	1.58	565.6	VALLEY	0.90	14.80	9.38	0.03	0.35	0.35	3.38	0.69*		*
G21	1.955	3.18	341.8	VALLEY	1.33	24.70	11.35	0.03	0.35	0.35	3.15	0.82*		*
G22	1.124	2.60	73.2	VALLEY	1.16	29.10	7.87	0.03	0.35	0.35	3.15	0.82*		
G23	1.197	2.23	75.3	VALLEY	1.04	26.20	7.50	0.03	0.35	0.35	3.01	0.90*		
G24	0.349	1.95	61.6	VALLEY	0.70	22.20	7.72	0.03	0.35	0.35	2.99	0.91*		
G25	0.358	2.47	85.9	VALLEY	1.25	28.40	7.63	0.03	0.35	0.35	2.94	0.95*		
G26A	0.997	2.96	229.6	VALLEY	1.12	24.30	10.75	0.03	0.35	0.35	2.97	0.92*	1	*
G26B	0.170	1.29	732.7	VALLEY	0.70	11.90	9.55	0.03	0.35	0.35	2.86	1.00*	2	
G27	1.408	3.11	190.4	VALLEY	1.27	26.90	10.19	0.03	0.35	0.35	3.13	0.83*		*
G28	0.282	1.53	39.3	VALLEY	0.49	19.30	6.98	0.03	0.35	0.35	3.64	0.57*		
G29	2.812	3.81	452.9	VALLEY	1.74	27.70	12.08	0.03	0.35	0.35	4.10	0.44		
G30	3.704	3.95	221.9	VALLEY	2.18	35.10	9.91	0.03	0.35	0.35	4.10	0.44		*
G31	0.182	1.09	53.1	VALLEY	0.49	16.00	6.00	0.03	0.35	0.35	4.10	0.44		
G32	1.142	2.55	40.1	VALLEY	0.87	29.00	7.73	0.03	0.35	0.35	4.20	0.42		
G33	0.744	2.11	47.4	VALLEY	0.83	25.70	7.23	0.03	0.35	0.35	4.00	0.46		
G34	0.205	1.04	48.1	VALLEY	0.51	16.30	5.62	0.03	0.35	0.35	3.95	0.47*		
G35	0.527	2.06	47.5	VALLEY	0.95	26.80	6.77	0.03	0.35	0.35	4.00	0.46		

* Non default value

Flood Control District of Maricopa County
Drainage Design Management System
SUB BASINS
Project Reference: SUB BASIN G

Area ID	Sub Basin Parameters								Rainfall Losses				
	Area (sq mi)	Length (mi)	Slope (ft/mi)	S-Graph	Lca (mi)	Lag (min)	Velocity (f/s)	Kn	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)
Major Basin ID: G													
G36	0.997	3.07	48.1	VALLEY	1.33	35.30	7.65	0.03	0.35	0.35	4.00	0.46	
G37	0.408	1.69	46.0	VALLEY	0.66	21.80	6.85	0.03	0.35	0.35	4.00	0.46	
G38	0.336	2.05	44.9	VALLEY	0.84	25.80	7.00	0.03	0.35	0.35	4.10	0.44	
G39	0.763	3.84	45.3	VALLEY	1.79	43.60	7.76	0.03	0.35	0.35	4.00	0.46	
G40	1.521	3.15	42.6	VALLEY	1.40	37.20	7.45	0.03	0.35	0.35	4.00	0.46	
G41	0.423	1.80	40.1	VALLEY	0.72	23.60	6.69	0.03	0.35	0.35	4.00	0.46	
G42	0.694	3.11	38.0	VALLEY	1.07	34.20	8.00	0.03	0.35	0.35	4.00	0.46	
G43	2.170	3.63	47.9	VALLEY	1.63	40.70	7.85	0.03	0.35	0.35	4.10	0.44	
G44	0.728	1.47	978.2	MOUNTAIN	0.67	11.60	11.14	0.03	0.35	0.35	2.52	1.32*	
G45	1.997	4.79	75.5	VALLEY	2.09	45.60	9.25	0.03	0.35	0.35	4.40	0.37	
G46	1.413	3.64	382.3	VALLEY	1.61	27.30	11.71	0.03	0.35	0.35	3.95	0.47*	6
G47	0.121	0.88	52.4	VALLEY	0.46	14.40	5.36	0.03	0.35	0.35	3.95	0.47*	
G48	1.909	2.60	946.5	MOUNTAIN	1.47	19.60	11.70	0.03	0.35	0.35	3.95	0.47*	58

* Non default value

Flood Control District of Maricopa County
Drainage Design Management System
SUB BASINS
Project Reference: SUB BASIN H

Area ID	Sub Basin Parameters								Rainfall Losses					
	Area (sq mi)	Length (mi)	Slope (ft/mi)	S-Graph	Lca (mi)	Lag (min)	Velocity (f/s)	Kn	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)	
Major Basin ID: H														
H01	1.613	2.84	656.4	VALLEY	1.24	20.30	12.28	0.03	0.35	0.35	3.95	0.47*	7	
H02	1.584	1.90	1286.8	MOUNTAIN	1.02	14.30	11.73	0.03	0.35	0.35	3.95	0.47*	55	
H03	2.186	3.04	742.5	MOUNTAIN	1.69	22.90	11.68	0.03	0.35	0.35	3.88	0.49*	61	*
H04	1.207	3.17	837.0	MOUNTAIN	1.77	23.20	12.05	0.03	0.35	0.35	3.45	0.65*	11	
H05	1.506	2.89	835.7	VALLEY	1.75	22.30	11.42	0.03	0.35	0.35	3.45	0.65*	26	*
H06	1.227	2.50	1147.0	VALLEY	1.44	18.40	11.93	0.03	0.35	0.35	2.83	1.03*		
H07	0.705	1.60	75.2	VALLEY	1.55	26.80	5.24	0.03	0.35	0.35	3.95	0.47*		
H08	0.859	2.03	1112.2	VALLEY	1.01	15.00	11.94	0.03	0.35	0.35	3.64	0.57*	17	*
H09	1.106	1.85	1152.4	MOUNTAIN	0.99	14.20	11.43	0.03	0.35	0.35	3.81	0.52*	53	*
H10	0.528	1.15	108.2	VALLEY	0.61	15.50	6.51	0.03	0.35	0.35	3.95	0.47*		
H11	0.273	1.43	114.8	VALLEY	0.61	16.70	7.55	0.03	0.35	0.35	3.95	0.47*		
H12	0.484	2.05	1354.5	VALLEY	1.02	14.50	12.40	0.03	0.35	0.35	2.86	1.00*	9	*
H13	0.519	1.91	96.5	VALLEY	0.74	20.70	8.12	0.03	0.35	0.35	3.95	0.47*		
H14	0.828	2.91	32.7	VALLEY	1.02	33.70	7.60	0.03	0.35	0.35	3.71	0.55*	6	*
H15A	0.478	1.97	1020.8	VALLEY	0.92	14.50	11.94	0.03	0.35	0.35	3.88	0.49*	28	*
H15B	0.297	1.18	1103.6	VALLEY	0.47	9.10	11.37	0.03	0.35	0.35	4.15	0.43	38	*
H16	0.310	1.70	1218.5	MOUNTAIN	0.92	13.30	11.26	0.03	0.35	0.35	3.03	0.89*	54	*
H17	0.453	1.68	179.3	VALLEY	0.85	18.50	8.01	0.03	0.35	0.35	3.95	0.47*	2	*
H18	0.438	1.48	101.6	VALLEY	0.64	17.60	7.39	0.03	0.35	0.35	3.95	0.47*		
H20	0.496	2.04	138.2	VALLEY	0.68	19.20	9.36	0.03	0.35	0.35	3.95	0.47*	1	*
H22	1.461	1.70	146.7	VALLEY	0.89	19.60	7.63	0.03	0.35	0.35	4.15	0.43	7	
H23	0.707	1.79	74.9	VALLEY	0.96	23.40	6.74	0.03	0.35	0.35	3.95	0.47*		
H24	0.416	1.08	65.6	VALLEY	0.53	15.80	6.03	0.03	0.35	0.35	3.95	0.47*		
H25	0.317	1.12	64.5	VALLEY	0.49	15.60	6.31	0.03	0.35	0.35	3.95	0.47*		
H26	0.754	2.49	54.2	VALLEY	1.03	28.90	7.57	0.03	0.35	0.35	3.95	0.47*		
H27	0.383	1.81	97.0	VALLEY	0.64	19.20	8.33	0.03	0.35	0.35	3.95	0.47*		
H28	0.719	1.40	64.9	VALLEY	0.75	19.90	6.19	0.03	0.35	0.35	3.95	0.47*		
H29	1.041	3.00	56.0	VALLEY	1.64	36.80	7.17	0.03	0.35	0.35	4.00	0.46		
H30	0.477	1.50	75.5	VALLEY	0.71	19.40	6.77	0.03	0.35	0.35	3.95	0.47*		*
H31	0.373	1.21	82.9	VALLEY	0.67	17.20	6.17	0.03	0.35	0.35	3.95	0.47*		
H32	0.714	2.19	64.8	VALLEY	0.92	25.50	7.55	0.03	0.35	0.35	3.95	0.47*		
H33	1.083	2.81	52.9	VALLEY	1.12	31.40	7.88	0.03	0.35	0.35	3.95	0.47*		
H34	0.407	0.76	45.8	VALLEY	0.45	13.90	4.83	0.03	0.35	0.35	4.00	0.46		
H35	1.305	3.06	722.0	VALLEY	0.40	13.40	20.15	0.03	0.35	0.35	3.35	0.70*		*
H36	0.437	1.36	58.3	VALLEY	0.54	17.70	6.73	0.03	0.35	0.35	4.00	0.46		

* Non default value

Area ID	Sub Basin Parameters								Rainfall Losses				
	Area (sq mi)	Length (mi)	Slope (ft/mi)	S-Graph	Lca (mi)	Lag (min)	Velocity (f/s)	Kn	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)
Major Basin ID: H													
H37	0.563	0.99	58.5	VALLEY	0.58	16.20	5.40	0.03	0.35	0.35	3.95	0.47*	
H38	0.481	0.99	73.1	VALLEY	0.54	15.00	5.76	0.03	0.35	0.35	3.95	0.47*	
H39	0.379	0.97	55.9	VALLEY	0.49	15.10	5.62	0.03	0.35	0.35	4.00	0.46	
H40	0.470	1.34	47.9	VALLEY	0.60	19.00	6.17	0.03	0.35	0.35	4.00	0.46	
H41	0.300	0.95	46.6	VALLEY	0.43	14.80	5.62	0.03	0.35	0.35	4.00	0.46	
H42	0.442	1.46	45.3	VALLEY	0.81	22.30	5.75	0.03	0.35	0.35	4.00	0.46	
H43	0.220	1.11	52.4	VALLEY	0.42	15.20	6.40	0.03	0.35	0.35	4.00	0.46	
H44	0.554	1.25	47.4	VALLEY	0.67	20.00	5.47	0.03	0.35	0.35	4.00	0.46	
H45	0.278	1.13	45.3	VALLEY	0.69	19.00	5.21	0.03	0.35	0.35	4.00	0.46	
H46	0.315	1.17	45.3	VALLEY	0.48	16.80	6.13	0.03	0.35	0.35	4.00	0.46	
H47	0.383	1.04	42.4	VALLEY	0.46	16.00	5.71	0.03	0.35	0.35	4.00	0.46	
H48	0.334	1.46	46.7	VALLEY	0.65	20.40	6.28	0.03	0.35	0.35	4.00	0.46	
H49	0.478	2.14	43.5	VALLEY	0.80	25.90	7.27	0.03	0.35	0.35	4.00	0.46	
H50	0.625	2.69	34.6	VALLEY	1.13	33.60	7.04	0.03	0.35	0.35	4.00	0.46	
H51	0.303	0.97	54.8	VALLEY	0.50	15.30	5.56	0.03	0.35	0.35	4.00	0.46	
H52	0.225	1.08	40.7	VALLEY	0.62	18.30	5.18	0.03	0.35	0.35	4.00	0.46	
H53	0.386	2.24	46.4	VALLEY	1.00	28.30	6.96	0.03	0.35	0.35	4.00	0.46	
H54	0.213	0.96	36.3	VALLEY	0.46	16.00	5.29	0.03	0.35	0.35	4.00	0.46	
H55	0.339	1.16	48.3	VALLEY	0.64	18.50	5.52	0.03	0.35	0.35	3.95	0.47*	
H56	0.395	1.37	39.5	VALLEY	0.64	20.40	5.89	0.03	0.35	0.35	4.00	0.46	
H57	0.421	1.33	38.4	VALLEY	0.62	20.10	5.83	0.03	0.35	0.35	4.00	0.46	
H58	0.305	1.17	46.3	VALLEY	0.63	18.50	5.54	0.03	0.35	0.35	3.95	0.47*	
H59	0.386	0.99	38.6	VALLEY	0.47	16.10	5.38	0.03	0.35	0.35	3.95	0.47*	
H60	0.551	1.74	39.1	VALLEY	0.85	25.00	6.13	0.03	0.35	0.35	3.95	0.47*	
H61	0.473	1.72	38.3	VALLEY	0.82	24.60	6.15	0.03	0.35	0.35	4.00	0.46	
H62	0.494	1.16	52.8	VALLEY	0.60	17.70	5.75	0.03	0.35	0.35	3.95	0.47*	
H63	0.167	0.75	45.3	VALLEY	0.49	14.30	4.62	0.03	0.35	0.35	4.00	0.46	
H65	0.416	1.90	42.2	VALLEY	0.74	24.10	6.91	0.03	0.35	0.35	3.95	0.47*	
H66	0.722	2.61	2.7	VALLEY	1.04	52.30	4.40	0.03	0.35	0.35	4.00	0.46	
H67	0.186	1.09	38.5	VALLEY	0.69	19.40	4.95	0.03	0.35	0.35	4.00	0.46	
H68	0.339	1.14	29.0	VALLEY	0.48	18.10	5.53	0.03	0.35	0.35	3.95	0.47*	
H69	0.530	1.16	32.9	VALLEY	0.68	20.30	5.01	0.03	0.35	0.35	3.95	0.47*	
H70	0.493	1.92	23.0	VALLEY	0.64	27.40	6.14	0.03	0.35	0.34	3.95	0.47*	
H71	0.648	1.22	116.9	VALLEY	0.65	16.00	6.72	0.03	0.35	0.35	4.00	0.46	
H72	0.422	0.84	26.3	VALLEY	0.32	14.10	5.23	0.03	0.35	0.35	4.15	0.43	

* Non default value

Area ID	Sub Basin Parameters								Rainfall Losses				
	Area (sq mi)	Length (mi)	Slope (ft/mi)	S-Graph	Lca (mi)	Lag (min)	Velocity (f/s)	Kn	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)
Major Basin ID: H													
H73	0.290	0.67	32.7	VALLEY	0.32	12.40	4.76	0.03	0.35	0.35	3.95	0.47*	
H74	0.802	1.71	22.2	VALLEY	0.45	22.40	6.72	0.03	0.35	0.35	4.00	0.46	
H75	0.747	1.06	37.6	AGRICULTURE	0.56	11.90	7.88	0.02	0.10	0.25	4.00	0.39	5
H76	0.752	1.06	28.3	VALLEY	0.58	19.00	4.90	0.03	0.35	0.35	4.00	0.46	
H77	0.273	0.67	20.8	VALLEY	0.32	13.10	4.52	0.03	0.33	0.34	4.25	0.40	
H78	0.489	1.00	39.8	VALLEY	0.50	16.50	5.35	0.03	0.35	0.35	4.00	0.46	
H79	0.503	1.06	36.9	VALLEY	0.52	11.60	8.05	0.02	0.11	0.25	4.00	0.39	5
H80	0.458	1.04	29.0	AGRICULTURE	0.35	38.20	2.38	0.07	0.44	0.29	4.10	0.60	
H81	0.243	0.54	44.5	VALLEY	0.26	6.60	7.15	0.02	0.10	0.25	4.00	0.39	5
H82	0.502	1.13	42.5	VALLEY	0.56	11.90	8.37	0.02	0.10	0.25	4.00	0.39	5
H83	0.660	1.09	31.2	VALLEY	0.50	58.90	1.63	0.10	0.50	0.25	4.10	0.69	
H84	0.756	1.09	34.9	VALLEY	0.43	11.00	8.71	0.02	0.10	0.25	4.00	0.39	5
H85	0.976	1.08	37.9	AGRICULTURE	0.54	11.80	8.09	0.02	0.10	0.25	4.00	0.39	5
H86	1.077	1.28	22.0	AGRICULTURE	0.52	13.70	8.19	0.02	0.11	0.25	4.25	0.35	5

* Non default value

Flood Control District of Maricopa County
Drainage Design Management System
SUB BASINS
Project Reference: SUB BASIN I

Area ID	Sub Basin Parameters								Rainfall Losses				
	Area (sq mi)	Length (mi)	Slope (ft/mi)	S-Graph	Lca (mi)	Lag (min)	Velocity (f/s)	Kn	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)
Major Basin ID: I													
I03	0.957	1.95	1131.1	VALLEY	1.11	15.20	11.27	0.03	0.35	0.35	3.95	0.47*	*
I04	0.394	1.50	109.9	VALLEY	0.46	15.40	8.60	0.03	0.35	0.35	3.95	0.47*	
I05	0.217	0.84	105.7	VALLEY	0.38	11.60	6.41	0.03	0.35	0.35	3.95	0.47*	
I06	0.499	0.83	66.5	VALLEY	0.48	13.70	5.31	0.03	0.35	0.35	4.00	0.46	
I07	0.194	0.76	71.4	VALLEY	0.38	12.00	5.57	0.03	0.35	0.35	4.00	0.46	
I08	0.791	1.16	50.2	VALLEY	0.61	18.00	5.66	0.03	0.35	0.35	4.00	0.46	
I09	0.315	1.02	57.8	VALLEY	0.48	15.20	5.89	0.03	0.35	0.35	4.00	0.46	
I10	0.497	0.99	44.4	VALLEY	0.54	17.10	5.09	0.03	0.35	0.35	4.00	0.46	
I11	0.289	0.85	46.1	VALLEY	0.85	18.40	4.04	0.03	0.35	0.35	3.95	0.47*	
I12	0.509	1.02	43.1	VALLEY	0.53	11.20	8.06	0.02	0.10	0.25	4.00	0.39	5
I13	0.519	0.99	28.3	VALLEY	0.49	11.60	7.51	0.02	0.10	0.25	4.25	0.35	5
I14	0.240	0.48	41.4	VALLEY	0.23	6.80	6.27	0.02	0.16	0.28	5.20	0.21	4
I15A	0.402	0.92	88.9	VALLEY	0.54	14.10	5.74	0.03	0.35	0.35	4.15	0.43	
I15B	0.328	1.54	759.3	VALLEY	0.72	12.70	10.62	0.03	0.35	0.35	3.95	0.47*	20
I16	0.490	1.17	975.2	VALLEY	0.98	12.30	8.36	0.03	0.35	0.35	3.95	0.47*	7
I17A	0.108	0.49	95.3	VALLEY	0.24	8.10	5.37	0.03	0.35	0.35	4.50	0.35	
I17B	0.088	0.62	159.4	VALLEY	0.26	8.20	6.63	0.03	0.35	0.35	4.70	0.30	4
I17C	0.163	1.11	912.8	VALLEY	0.60	10.10	9.65	0.03	0.35	0.35	4.10	0.44	53
I18	0.664	0.98	59.1	VALLEY	0.50	15.20	5.69	0.03	0.35	0.35	3.95	0.47*	
I19	0.354	0.95	48.6	VALLEY	0.51	15.70	5.32	0.03	0.35	0.35	4.00	0.46	
I20	0.619	1.29	45.0	VALLEY	0.60	19.00	5.96	0.03	0.35	0.35	4.00	0.46	
I21	0.469	1.00	44.2	VALLEY	0.50	12.40	7.08	0.02	0.16	0.28	4.00	0.39	4
I22	0.385	0.73	30.1	AGRICULTURE	0.31	8.60	7.50	0.02	0.10	0.25	4.40	0.32	5
I23	0.423	1.59	1043.4	MOUNTAIN	0.97	13.10	10.64	0.03	0.34	0.34	4.20	0.44	56 *
I24	0.177	1.19	505.9	VALLEY	0.76	12.70	8.23	0.03	0.35	0.35	4.65	0.32	26 *
I25	0.309	0.73	97.7	VALLEY	0.40	11.30	5.66	0.03	0.35	0.35	4.55	0.34	
I26A	0.576	1.36	73.6	VALLEY	0.62	17.90	6.69	0.03	0.35	0.35	4.20	0.42	1 *
I26B	0.061	0.87	611.7	VALLEY	0.46	9.00	8.51	0.03	0.35	0.35	4.70	0.30	5
I27	0.403	0.98	63.4	VALLEY	0.49	14.80	5.80	0.03	0.35	0.35	4.25	0.41	
I28	0.442	0.98	152.0	VALLEY	0.49	12.60	6.85	0.03	0.35	0.35	4.00	0.46	
I29	0.373	0.74	54.3	VALLEY	0.40	12.70	5.10	0.03	0.35	0.35	4.00	0.46	
I30	0.423	0.87	49.4	VALLEY	0.44	14.30	5.36	0.03	0.35	0.35	4.00	0.46	
I31	0.361	0.72	51.7	VALLEY	0.37	12.30	5.11	0.03	0.35	0.35	3.95	0.47*	
I32	0.506	1.00	39.0	VALLEY	0.50	11.00	7.97	0.02	0.10	0.25	4.00	0.39	5
I33	0.504	1.01	41.7	VALLEY	0.52	11.10	7.99	0.02	0.10	0.25	4.00	0.39	5

* Non default value

Flood Control District of Maricopa County
Drainage Design Management System
SUB BASINS
Project Reference: SUB BASIN I

Area ID	Sub Basin Parameters								Rainfall Losses				
	Area (sq mi)	Length (mi)	Slope (ft/mi)	S-Graph	Lca (mi)	Lag (min)	Velocity (f/s)	Kn	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)
Major Basin ID: I													
I34	0.510	1.00	28.9	VALLEY	0.51	35.30	2.50	0.06	0.30	0.25	4.40	0.44	3
I35	0.507	1.01	35.8	VALLEY	0.51	20.40	4.34	0.04	0.18	0.25	4.70	0.29	4
I36	0.194	0.59	33.8	VALLEY	0.29	9.40	5.51	0.03	0.23	0.30	4.45	0.33	2
I37	0.409	0.77	28.6	VALLEY	0.37	10.40	6.51	0.02	0.14	0.27	5.20	0.21	4
I38	0.115	0.98	521.5	VALLEY	0.45	8.30	10.31	0.03	0.26	0.31	4.80	0.36	41 *
I39	0.217	0.86	85.1	VALLEY	0.35	11.80	6.42	0.03	0.35	0.35	4.25	0.41	
I40	0.408	0.97	59.5	VALLEY	0.46	14.60	5.85	0.03	0.35	0.35	4.20	0.42	
I41	0.476	0.98	54.3	VALLEY	0.50	15.40	5.58	0.03	0.35	0.35	4.00	0.46	
I42	0.422	0.99	45.3	VALLEY	0.50	16.00	5.45	0.03	0.35	0.35	3.95	0.47*	5 *
I43	0.432	1.01	38.7	VALLEY	0.52	17.40	5.09	0.03	0.35	0.35	4.50	0.35	
I44A	0.653	1.69	426.5	VALLEY	0.89	13.30	11.17	0.03	0.22	0.30	4.15	0.57	6
I44B	0.186	1.10	1096.5	VALLEY	0.61	6.50	14.77	0.02	0.10	0.25	4.00	0.73	66
I45	0.351	0.98	62.1	VALLEY	0.49	14.40	5.99	0.03	0.32	0.34	4.45	0.39	*
I46	0.460	1.02	55.9	VALLEY	0.53	15.90	5.64	0.03	0.35	0.35	4.10	0.44	
I47	0.349	0.99	44.4	VALLEY	0.54	16.60	5.26	0.03	0.35	0.35	4.00	0.46	6 *
I48	0.337	1.02	39.4	VALLEY	0.46	16.60	5.37	0.03	0.35	0.35	4.30	0.40	
I49	0.383	0.52	22.9	VALLEY	0.23	8.20	5.63	0.02	0.17	0.28	4.60	0.28	4
I50	0.600	0.81	24.8	VALLEY	0.35	9.70	7.33	0.02	0.10	0.25	4.50	0.30	5
I51	0.144	1.46	242.6	VALLEY	0.57	12.30	10.44	0.03	0.25	0.31	4.30	0.50	*
I52	0.318	1.67	398.2	VALLEY	0.57	9.50	15.42	0.02	0.13	0.26	4.10	0.68	3 *
I53	0.515	2.16	185.4	VALLEY	0.83	14.70	12.96	0.02	0.15	0.27	4.25	0.61	*
I54	0.352	0.97	85.6	VALLEY	0.47	9.20	9.30	0.02	0.11	0.25	4.00	0.73	*
I55	0.249	1.06	58.6	VALLEY	0.52	14.80	6.28	0.03	0.30	0.33	4.10	0.50	*
I56	0.432	1.02	59.9	VALLEY	0.49	13.70	6.53	0.03	0.27	0.32	4.10	0.53	*
I57	0.190	0.61	46.1	VALLEY	0.31	11.10	4.84	0.03	0.35	0.35	4.70	0.30	23 *
I58A	0.129	0.61	55.7	VALLEY	0.35	11.20	4.80	0.03	0.35	0.39	6.20	0.16	27
I58B	0.585	1.54	43.5	VALLEY	0.79	22.70	5.96	0.03	0.35	0.35	4.35	0.39	9
I59	0.099	0.58	281.8	VALLEY	0.42	8.70	5.91	0.03	0.35	0.39	5.70	0.20	23 *
I60A	0.976	1.75	30.9	VALLEY	0.84	22.60	6.81	0.03	0.31	0.32	5.00	0.29	27
I60B	0.102	0.38	391.5	VALLEY	0.29	6.00	5.55	0.03	0.35	0.37	6.60	0.14	40
I60C	0.270	1.14	38.6	VALLEY	0.55	18.10	5.55	0.03	0.35	0.35	4.30	0.40	
I61	0.250	0.47	97.5	VALLEY	0.21	7.50	5.52	0.03	0.35	0.35	4.65	0.32	9 *
I62	0.422	0.95	91.0	VALLEY	0.46	13.80	6.02	0.03	0.35	0.35	4.60	0.33	20
I63	0.293	1.21	129.2	VALLEY	0.72	17.90	5.94	0.03	0.31	0.29	4.60	0.36	6 *
I64	0.267	0.81	49.1	VALLEY	0.41	11.80	6.08	0.03	0.31	0.30	6.60	0.15	32 *

* Non default value

Area ID	Sub Basin Parameters								Rainfall Losses					
	Area (sq mi)	Length (mi)	Slope (ft/mi)	S-Graph	Lca (mi)	Lag (min)	Velocity (f/s)	Kn	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)	
Major Basin ID: I														
I65	0.307	1.14	44.1	VALLEY	0.48	16.10	6.19	0.03	0.34	0.36	5.20	0.25	7	*
I66	0.907	1.81	117.4	VALLEY	0.97	20.90	7.63	0.03	0.34	0.38	5.70	0.20	25	*
I67	0.970	1.94	174.9	VALLEY	0.81	19.20	8.89	0.03	0.35	0.36	5.10	0.26	14	
I68	0.292	1.33	254.9	VALLEY	0.71	14.80	7.95	0.03	0.35	0.35	4.55	0.34	17	
I69	0.173	0.94	244.2	VALLEY	0.46	11.10	7.49	0.03	0.35	0.35	4.40	0.37	17	
I70	0.368	1.44	116.6	VALLEY	0.78	18.30	6.94	0.03	0.35	0.35	4.90	0.28	12	
I71	0.421	1.18	217.9	VALLEY	0.64	14.00	7.45	0.03	0.35	0.35	4.50	0.35	16	
I72	0.206	0.81	86.0	VALLEY	0.30	10.80	6.60	0.03	0.35	0.35	4.50	0.35	12	*

* Non default value

Area ID	Sub Basin Parameters								Rainfall Losses				
	Area (sq mi)	Length (mi)	Slope (ft/mi)	S-Graph	Lca (mi)	Lag (min)	Velocity (f/s)	Kn	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)
Major Basin ID: J													
J01	7.184	5.05	462.2	VALLEY	2.13	22.10	20.09	0.02	0.10	0.25	4.25	0.66	35
J04	0.394	1.53	124.6	VALLEY	0.65	11.50	11.69	0.02	0.10	0.25	5.10	0.42	5
J06	0.369	1.38	87.5	VALLEY	0.56	11.20	10.89	0.02	0.10	0.25	4.00	0.74	5
J07	0.452	1.59	79.7	VALLEY	0.69	14.30	9.81	0.02	0.15	0.27	4.00	0.68	4
J08	0.096	0.96	99.2	VALLEY	0.47	8.90	9.49	0.02	0.10	0.25	5.70	0.32	5
J10	0.295	0.96	54.3	VALLEY	0.46	13.80	6.10	0.03	0.31	0.33	4.00	0.50	1
J11	0.244	0.77	53.3	VALLEY	0.41	13.10	5.17	0.03	0.35	0.35	4.10	0.44	
J12	0.411	1.88	78.3	VALLEY	0.77	17.40	9.52	0.02	0.19	0.29	4.25	0.57	3
J13	0.859	2.58	83.1	VALLEY	1.19	20.90	10.82	0.02	0.15	0.27	4.30	0.60	4
J14	2.126	3.38	146.2	VALLEY	1.80	26.60	11.17	0.02	0.19	0.29	4.30	0.55	23
J15	0.576	1.45	116.9	VALLEY	0.68	17.40	7.33	0.03	0.35	0.35	4.55	0.34	6
J16	0.269	1.01	49.7	VALLEY	0.48	15.60	5.68	0.03	0.35	0.35	4.55	0.34	2
J17	0.522	1.59	47.9	VALLEY	0.83	23.00	6.07	0.03	0.35	0.35	4.35	0.39	
J18	0.857	1.96	53.1	VALLEY	0.82	22.70	7.59	0.03	0.32	0.33	4.40	0.41	4
J19	0.104	1.01	46.6	VALLEY	0.38	14.50	6.14	0.03	0.35	0.35	4.45	0.37	2
J20	0.715	1.26	41.3	VALLEY	0.51	13.80	8.03	0.02	0.28	0.30	6.00	0.20	58
J21	0.251	1.02	45.1	VALLEY	0.52	12.60	7.11	0.02	0.26	0.26	4.55	0.42	43
J22	1.503	1.73	45.7	VALLEY	0.64	31.80	4.77	0.04	0.30	0.32	5.20	0.29	31
J23	0.308	1.01	43.5	VALLEY	0.46	18.40	4.84	0.04	0.29	0.30	4.55	0.38	22
J24	0.193	0.88	226.8	VALLEY	0.24	8.50	9.08	0.03	0.35	0.39	5.70	0.20	5
J25	0.518	2.16	284.3	VALLEY	1.26	18.70	10.15	0.03	0.24	0.31	4.30	0.50	54
J26	0.514	1.12	446.8	VALLEY	0.52	7.40	13.39	0.02	0.10	0.25	4.10	0.72	63
J27	1.417	2.28	38.6	VALLEY	1.09	42.70	4.70	0.04	0.30	0.27	4.80	0.30	12
J28	0.950	2.78	165.8	VALLEY	1.70	33.50	7.31	0.03	0.32	0.31	4.70	0.31	10
J29A	0.340	1.45	72.6	VALLEY	0.75	26.30	4.84	0.04	0.29	0.29	4.70	0.35	18
J29B	0.146	0.71	86.8	VALLEY	0.31	10.40	6.02	0.03	0.32	0.33	4.30	0.42	35
J29C	1.001	2.17	326.9	VALLEY	0.90	17.90	10.64	0.03	0.31	0.33	4.65	0.34	26
J29D	0.434	0.96	262.4	VALLEY	0.30	10.30	8.24	0.03	0.26	0.29	5.20	0.30	34
J30	0.333	1.58	454.5	VALLEY	0.92	15.60	8.94	0.03	0.35	0.35	4.00	0.46	61
J31	0.454	1.85	356.8	VALLEY	1.22	17.30	9.39	0.03	0.27	0.32	4.00	0.55	61
J32	0.324	0.93	454.1	VALLEY	0.48	9.60	8.49	0.03	0.30	0.33	4.15	0.48	29
J33	1.338	2.38	240.0	VALLEY	0.95	15.90	13.12	0.02	0.16	0.27	4.35	0.57	39
J34	0.454	1.10	455.8	VALLEY	0.54	7.40	13.09	0.02	0.10	0.25	4.25	0.66	49
J35	0.668	1.70	316.9	VALLEY	0.77	11.20	13.36	0.02	0.13	0.26	4.45	0.56	20
J36	0.526	1.23	29.2	VALLEY	0.41	25.20	4.31	0.04	0.31	0.27	4.90	0.28	8

* Non default value

Flood Control District of Maricopa County
Drainage Design Management System
SUB BASINS
Project Reference: SUB BASIN J

Area ID	Sub Basin Parameters								Rainfall Losses					
	Area (sq mi)	Length (mi)	Slope (ft/mi)	S-Graph	Lca (mi)	Lag (min)	Velocity (f/s)	Kn	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)	
Major Basin ID: J														
J37	0.813	2.67	48.6	VALLEY	0.81	34.20	6.89	0.04	0.33	0.31	4.60	0.33	5	
J38	2.079	2.95	167.2	VALLEY	1.44	26.40	9.84	0.03	0.24	0.29	4.65	0.30	15	*
J39	1.046	2.88	109.8	VALLEY	1.50	33.90	7.46	0.03	0.32	0.32	4.65	0.33	10	
J40	0.900	1.68	203.9	VALLEY	0.96	18.90	7.84	0.03	0.33	0.33	4.90	0.29	19	
J41	0.182	0.53	255.2	VALLEY	0.20	5.20	9.11	0.02	0.14	0.14	4.45	0.31	19	
J42	0.201	0.56	242.4	VALLEY	0.20	6.40	7.70	0.03	0.33	0.33	4.35	0.38	31	
J43A	0.365	1.26	155.7	VALLEY	0.43	12.70	8.74	0.03	0.30	0.30	4.45	0.41	22	
J43B	0.108	0.50	100.2	VALLEY	0.25	10.30	4.25	0.04	0.29	0.29	4.45	0.41	41	
J43C	0.122	0.44	478.6	VALLEY	0.16	5.10	7.71	0.03	0.29	0.31	4.55	0.39	24	
J44	0.147	0.32	119.1	VALLEY	0.09	4.50	6.21	0.03	0.33	0.33	4.70	0.32	10	
J45	0.322	0.83	129.8	VALLEY	0.35	10.70	6.83	0.03	0.32	0.32	4.60	0.35	37	
J46	0.564	1.99	160.6	VALLEY	1.02	22.30	7.88	0.03	0.35	0.35	4.60	0.33	29	
J47	0.456	1.63	86.0	VALLEY	0.72	19.70	7.28	0.03	0.35	0.35	4.90	0.28	1	
J48	0.869	1.78	78.5	VALLEY	0.90	22.60	6.95	0.03	0.35	0.35	4.55	0.34	14	
J49	0.191	0.63	191.7	VALLEY	0.25	19.70	2.80	0.08	0.45	0.29	4.25	0.56	14	
J50	0.588	1.23	292.9	VALLEY	0.30	13.40	8.07	0.04	0.37	0.34	4.10	0.48	47	
J51	0.166	0.72	251.0	VALLEY	0.37	9.10	6.91	0.03	0.34	0.34	4.00	0.48	61	
J52	0.182	0.51	1.9	VALLEY	0.22	45.70	0.99	0.08	0.46	0.28	4.45	0.51	5	
J53	0.050	0.48	305.3	VALLEY	0.21	6.10	6.89	0.03	0.35	0.35	4.55	0.34	25	
J54	0.219	0.91	253.9	VALLEY	0.45	7.20	11.15	0.02	0.10	0.25	4.40	0.60	16	

* Non default value

Flood Control District of Maricopa County
Drainage Design Management System
SUB BASINS
Project Reference: SUB BASIN X

9/11/2010

Area ID	Sub Basin Parameters								Rainfall Losses				
	Area (sq mi)	Length (mi)	Slope (ft/mi)	S-Graph	Lca (mi)	Lag (min)	Velocity (f/s)	Kn	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)
Major Basin ID: X													
X01	1.514	2.28	320.7	VALLEY	1.14	13.80	14.49	0.02	0.10	0.25	4.50	0.57	48
X02	1.497	2.34	140.8	VALLEY	1.12	20.30	10.16	0.03	0.18	0.28	4.50	0.50	45
X03	1.003	1.54	358.3	VALLEY	0.50	8.50	15.86	0.02	0.10	0.25	4.20	0.68	54
X04	0.965	2.40	340.0	VALLEY	1.17	19.70	10.70	0.03	0.21	0.28	4.65	0.41	39
X05	0.316	1.60	90.7	VALLEY	0.79	21.40	6.58	0.03	0.28	0.31	5.70	0.21	2
X06	1.027	2.30	317.1	VALLEY	1.37	16.40	12.34	0.02	0.15	0.27	4.30	0.58	41
X07	2.104	4.20	442.6	VALLEY	2.42	21.80	16.92	0.02	0.11	0.25	3.95	0.74*	56
X08	0.395	1.18	1663.8	VALLEY	0.67	6.40	16.12	0.02	0.10	0.25	3.95	0.76*	70
X09	0.348	1.10	1885.2	VALLEY	0.59	6.10	15.79	0.02	0.12	0.26	3.95	0.74*	70
X10	0.213	0.96	1966.7	VALLEY	0.54	5.30	15.92	0.02	0.10	0.25	3.95	0.76*	70
X11	0.295	1.39	502.9	VALLEY	0.67	8.60	14.24	0.02	0.10	0.25	4.55	0.55	28
X12	0.237	1.27	643.3	VALLEY	0.72	8.10	13.70	0.02	0.10	0.25	4.00	0.74	51
X13	3.723	4.62	547.4	VALLEY	2.80	23.00	17.69	0.02	0.10	0.25	4.20	0.68	34
X14	0.193	1.38	290.9	VALLEY	0.81	11.70	10.30	0.02	0.13	0.26	4.20	0.64	23
X15	0.194	0.98	203.7	VALLEY	0.45	7.70	11.24	0.02	0.10	0.25	4.10	0.72	44
X16	0.277	0.79	583.8	VALLEY	0.32	5.10	13.63	0.02	0.10	0.25	4.30	0.64	39
X17	0.462	0.99	271.6	VALLEY	0.58	8.50	10.34	0.02	0.12	0.26	4.65	0.46	74
X18	0.413	1.15	296.4	VALLEY	0.50	9.50	10.64	0.02	0.21	0.29	4.60	0.42	38

* Non default value

Flood Control District of Maricopa County
Drainage Design Management System
SUB BASINS
Project Reference: SUB BASIN A FUTURE

Area ID	Sub Basin Parameters								Rainfall Losses				
	Area (sq mi)	Length (mi)	Slope (ft/mi)	S-Graph	Lca (mi)	Lag (min)	Velocity (f/s)	Kn	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)
Major Basin ID: A													
000A01	9.619	6.51	225.0	VALLEY	2.77	46.30	12.37	0.03	0.35	0.35	3.23	0.77*	
000A03	1.064	3.50	189.9	VALLEY	1.51	30.00	10.27	0.03	0.35	0.35	2.88	0.99*	
000A04	0.743	2.26	337.5	VALLEY	0.76	17.60	11.34	0.03	0.35	0.35	2.80	1.05*	
000A05	2.141	3.18	188.7	VALLEY	1.55	29.30	9.56	0.03	0.35	0.35	3.01	0.90*	
000A06	1.108	3.46	208.1	VALLEY	1.91	32.10	9.48	0.03	0.35	0.35	2.91	0.97*	
000A07	0.523	2.10	193.6	VALLEY	1.12	22.00	8.40	0.03	0.35	0.35	2.86	1.00*	
000A08	2.128	4.24	64.2	VALLEY	2.52	48.20	7.74	0.03	0.35	0.35	3.17	0.81*	
000A09	0.784	2.57	105.6	VALLEY	1.37	28.70	7.86	0.03	0.35	0.35	2.94	0.95*	
000A10	0.928	3.60	43.6	VALLEY	1.57	40.70	7.78	0.03	0.35	0.35	4.80	0.29	
000A11	1.804	4.42	215.4	VALLEY	2.35	40.40	9.62	0.03	0.35	0.34	3.25	0.75*	
000A12	1.064	2.71	97.6	VALLEY	1.49	49.20	4.85	0.05	0.30	0.26	4.50	0.34	5
000A13	0.580	1.99	38.2	VALLEY	0.83	41.00	4.27	0.05	0.30	0.26	5.80	0.18	6
000A14	0.856	2.34	42.3	VALLEY	1.00	39.10	5.27	0.04	0.32	0.30	4.70	0.30	3
000A15	0.941	3.58	43.0	VALLEY	1.72	63.30	4.98	0.05	0.31	0.28	5.30	0.23	4
000A16	0.333	1.97	42.1	VALLEY	1.01	40.40	4.29	0.04	0.31	0.29	6.00	0.17	4
000A17	0.570	2.72	40.4	VALLEY	1.41	51.10	4.68	0.04	0.32	0.30	5.80	0.18	3
000A18	0.694	2.45	42.9	VALLEY	1.28	33.70	6.38	0.03	0.35	0.39	5.80	0.19	
000A19	0.464	1.99	40.3	VALLEY	0.80	33.20	5.27	0.04	0.33	0.32	5.40	0.22	3
000A20	0.340	1.79	43.6	VALLEY	0.86	34.80	4.53	0.04	0.32	0.29	5.00	0.31	9
000A21	1.044	2.88	53.1	VALLEY	1.41	34.60	7.33	0.03	0.35	0.35	4.60	0.33	
000A22	0.578	3.76	54.5	VALLEY	2.11	44.40	7.45	0.03	0.35	0.35	3.71	0.55*	
000A23	0.233	2.24	72.6	VALLEY	1.18	27.70	7.13	0.03	0.35	0.35	3.11	0.84*	
000A24	1.355	3.44	54.6	VALLEY	1.64	39.00	7.77	0.03	0.35	0.35	3.17	0.81*	
000A25	0.215	1.64	50.1	VALLEY	0.82	23.00	6.27	0.03	0.35	0.35	3.19	0.79*	
000A26	0.499	1.97	47.6	VALLEY	0.99	26.70	6.49	0.03	0.35	0.35	3.74	0.54*	
000A27	1.105	3.02	42.7	VALLEY	1.24	35.00	7.60	0.03	0.35	0.35	3.60	0.58*	
000A28	0.551	1.57	40.2	VALLEY	0.57	20.50	6.73	0.03	0.35	0.35	3.45	0.65*	
000A29	1.188	2.52	37.3	VALLEY	1.10	32.00	6.93	0.03	0.35	0.35	3.09	0.85*	
000A30	0.675	3.30	40.6	VALLEY	1.58	44.00	6.59	0.03	0.34	0.33	3.88	0.51*	2
000A31	0.538	2.98	45.3	VALLEY	1.52	45.90	5.72	0.04	0.33	0.33	5.60	0.23	5
000A32	1.207	3.52	36.9	VALLEY	1.51	61.60	5.03	0.05	0.31	0.29	5.70	0.23	11
000A33	0.284	1.58	43.1	VALLEY	0.79	38.30	3.63	0.05	0.30	0.25	6.00	0.17	5
000A34	0.385	1.75	33.1	VALLEY	0.60	37.70	4.08	0.05	0.30	0.25	5.70	0.19	6
000A35	0.847	2.04	35.4	VALLEY	0.79	42.90	4.17	0.05	0.29	0.25	5.00	0.26	8
000A36	0.435	1.91	40.4	VALLEY	0.74	40.60	4.13	0.05	0.30	0.25	4.90	0.27	6

* Non default value

Flood Control District of Maricopa County
Drainage Design Management System
SUB BASINS
Project Reference: SUB BASIN A FUTURE

Area ID	Sub Basin Parameters								Rainfall Losses				
	Area (sq mi)	Length (mi)	Slope (ft/mi)	S-Graph	Lca (mi)	Lag (min)	Velocity (f/s)	Kn	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)
Major Basin ID: A													
000A37	1.346	2.55	38.4	VALLEY	1.18	53.70	4.19	0.05	0.27	0.25	4.90	0.32	22
000A38	0.482	1.44	31.2	AGRICULTURE	0.58	30.10	4.22	0.04	0.22	0.25	4.55	0.43	41
000A39	0.495	1.46	28.7	AGRICULTURE	0.59	31.00	4.16	0.04	0.24	0.25	4.80	0.37	39
000A40	0.498	1.47	26.6	VALLEY	0.59	32.10	4.01	0.04	0.23	0.25	4.90	0.35	37
000A41	0.915	2.65	21.9	AGRICULTURE	1.58	59.30	3.92	0.04	0.26	0.26	4.55	0.40	27
000A42	0.852	2.21	24.5	AGRICULTURE	0.69	35.00	5.55	0.04	0.26	0.27	4.70	0.36	29
000A43	0.505	1.47	31.3	AGRICULTURE	0.60	31.40	4.12	0.04	0.25	0.25	4.80	0.36	35
000A44	0.366	0.99	29.3	AGRICULTURE	0.49	24.80	3.52	0.04	0.22	0.25	4.70	0.39	40
000A45	0.533	1.34	28.3	VALLEY	0.82	31.70	3.73	0.04	0.25	0.26	4.50	0.41	29
000A46	0.198	1.25	26.4	AGRICULTURE	0.58	26.70	4.13	0.04	0.21	0.25	4.65	0.41	46
000A47	0.791	1.48	22.3	AGRICULTURE	0.55	33.20	3.92	0.05	0.22	0.25	4.60	0.42	38
000A48	1.059	2.24	34.4	VALLEY	1.22	42.00	4.69	0.04	0.21	0.25	4.65	0.41	45
000A49	0.751	2.09	16.3	VALLEY	0.97	39.90	4.61	0.04	0.27	0.30	4.45	0.42	24
000A50	1.034	2.11	33.3	VALLEY	1.03	41.70	4.44	0.04	0.23	0.25	4.65	0.39	36
000A51	1.486	4.97	34.0	VALLEY	2.21	84.20	5.19	0.05	0.31	0.27	4.70	0.36	13
000A52	0.218	1.23	30.2	VALLEY	0.49	28.60	3.78	0.05	0.31	0.27	4.60	0.39	12
000A53	1.746	2.18	32.2	VALLEY	1.20	32.20	5.95	0.03	0.35	0.35	3.07	0.86*	
000A54	0.507	1.44	76.6	VALLEY	1.11	22.60	5.59	0.03	0.35	0.35	3.33	0.71*	10
000A55	0.613	1.51	35.1	VALLEY	0.70	26.90	4.94	0.04	0.33	0.32	3.67	0.60*	5
000A56	1.839	2.92	61.7	VALLEY	1.33	39.60	6.47	0.04	0.33	0.32	4.45	0.38	8
000A57	1.469	1.91	271.7	VALLEY	0.98	24.00	7.03	0.04	0.33	0.31	4.50	0.35	11
000A58	2.131	3.85	105.3	VALLEY	2.12	39.60	8.55	0.03	0.35	0.35	4.00	0.46	18
000A59	1.255	2.57	216.2	VALLEY	1.51	26.00	8.68	0.03	0.35	0.35	4.35	0.39	22
000A60	1.667	2.65	149.2	VALLEY	1.19	28.40	8.21	0.03	0.33	0.33	4.45	0.37	18
000A61	1.964	3.42	84.7	VALLEY	1.25	50.60	5.95	0.05	0.28	0.24	4.45	0.36	5
000A62	0.288	0.93	43.1	VALLEY	0.52	30.40	2.68	0.06	0.27	0.24	4.10	0.48	4
000A63	0.607	1.76	31.9	VALLEY	0.68	39.90	3.88	0.05	0.30	0.25	5.30	0.24	8
000A64	0.231	1.23	85.4	VALLEY	0.65	17.00	6.35	0.03	0.35	0.35	4.15	0.43	
000A65	0.547	1.91	170.6	VALLEY	0.73	18.40	9.09	0.03	0.35	0.35	3.48	0.64*	

* Non default value

Flood Control District of Maricopa County
Drainage Design Management System
SUB BASINS
Project Reference: SUB BASIN B FUTURE

Area ID	Sub Basin Parameters								Rainfall Losses				
	Area (sq mi)	Length (mi)	Slope (ft/mi)	S-Graph	Lca (mi)	Lag (min)	Velocity (f/s)	Kn	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)
Major Basin ID: B													
000B01	5.160	5.39	160.1	VALLEY	2.35	43.20	10.98	0.03	0.35	0.35	2.91	0.97*	1
000B02	3.584	4.22	117.3	VALLEY	1.91	38.60	9.62	0.03	0.35	0.35	3.27	0.75*	3
000B03	13.202	7.88	149.5	VALLEY	3.25	57.20	12.12	0.03	0.35	0.35	3.21	0.78*	
000B04	0.906	3.59	52.7	VALLEY	1.36	37.10	8.50	0.03	0.35	0.35	4.10	0.44	
000B05	0.532	2.59	44.5	VALLEY	1.02	36.40	6.25	0.04	0.33	0.32	4.50	0.35	2
000B06	0.566	1.95	41.0	VALLEY	0.86	26.80	6.40	0.03	0.35	0.34	4.60	0.32	
000B07	0.338	0.74	13.6	AGRICULTURE	0.26	13.10	4.94	0.03	0.22	0.25	4.70	0.40	53
000B08	0.430	1.13	21.3	AGRICULTURE	0.76	22.80	4.36	0.03	0.27	0.28	4.50	0.42	35
000B09	0.263	1.51	19.9	VALLEY	0.66	26.00	5.09	0.03	0.30	0.32	3.71	0.60*	19
000B10	0.552	1.57	31.2	VALLEY	0.93	36.30	3.80	0.04	0.31	0.29	4.70	0.30	5
000B11	0.239	1.56	33.3	VALLEY	0.78	29.50	4.66	0.04	0.32	0.31	4.70	0.31	7
000B12	0.332	2.43	30.5	VALLEY	1.05	37.60	5.69	0.04	0.30	0.30	4.55	0.38	17
000B13	0.155	0.72	44.3	VALLEY	0.34	12.30	5.16	0.03	0.35	0.35	4.25	0.41	
000B14	0.393	2.01	31.3	VALLEY	0.90	30.90	5.72	0.03	0.34	0.34	4.45	0.36	1
000B15	0.644	2.30	36.5	VALLEY	0.78	33.60	6.03	0.04	0.31	0.31	4.40	0.41	13
000B16	0.821	1.73	52.5	VALLEY	0.91	24.20	6.30	0.03	0.35	0.35	3.58	0.60*	
000B17	0.048	0.59	47.3	VALLEY	0.29	10.60	4.90	0.03	0.35	0.35	3.60	0.58*	
000B18	0.623	2.89	39.1	VALLEY	1.30	36.80	6.91	0.03	0.35	0.35	3.58	0.59*	
000B19	0.538	2.75	36.7	VALLEY	1.41	37.70	6.42	0.03	0.35	0.35	4.15	0.43	
000B20	0.177	1.15	37.4	VALLEY	0.54	18.10	5.59	0.03	0.35	0.35	4.00	0.46	
000B21	0.313	1.54	35.7	VALLEY	0.78	23.50	5.77	0.03	0.35	0.35	4.15	0.43	
000B22	0.548	1.64	495.1	VALLEY	0.95	15.70	9.17	0.03	0.35	0.35	3.53	0.62*	
000B23	0.299	1.16	665.2	VALLEY	0.57	10.70	9.49	0.03	0.35	0.35	2.89	0.98*	
000B24	0.238	1.40	457.2	VALLEY	0.73	13.60	9.06	0.03	0.35	0.35	3.19	0.79*	
000B25	0.298	1.84	373.3	VALLEY	1.03	17.90	9.07	0.03	0.35	0.35	3.07	0.86*	
000B26	0.353	2.35	268.5	VALLEY	1.25	22.50	9.20	0.03	0.35	0.35	3.19	0.79*	
000B27	0.856	1.78	473.5	VALLEY	1.03	16.90	9.27	0.03	0.35	0.35	3.03	0.89*	
000B28	0.386	2.03	473.9	VALLEY	1.20	18.80	9.52	0.03	0.35	0.35	3.03	0.89*	
000B29	0.915	2.93	217.0	VALLEY	1.49	29.00	8.88	0.03	0.35	0.34	3.17	0.80*	
000B30	0.533	2.22	264.9	VALLEY	1.26	27.30	7.16	0.04	0.33	0.33	2.88	0.98*	2
000B31	0.160	1.11	234.4	VALLEY	0.61	16.30	5.99	0.04	0.33	0.32	3.01	0.88*	2
000B32	0.043	0.74	53.1	VALLEY	0.33	16.20	3.99	0.04	0.32	0.31	2.97	0.90*	3
000B33	0.283	2.03	44.0	VALLEY	0.76	24.80	7.19	0.03	0.35	0.35	3.31	0.72*	
000B34	0.125	1.57	62.4	VALLEY	0.76	21.10	6.56	0.03	0.35	0.35	3.15	0.82*	
000B35	0.249	1.99	68.0	VALLEY	0.88	24.00	7.29	0.03	0.35	0.35	3.19	0.79*	

* Non default value

Area ID	Sub Basin Parameters								Rainfall Losses				
	Area (sq mi)	Length (mi)	Slope (ft/mi)	S-Graph	Lca (mi)	Lag (min)	Velocity (f/s)	Kn	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)
Major Basin ID: B													
000B36	0.184	1.31	50.3	VALLEY	0.68	19.60	5.88	0.03	0.35	0.35	4.55	0.34	
000B37	0.086	0.98	32.7	VALLEY	0.45	16.30	5.28	0.03	0.35	0.35	4.55	0.34	
000B38	0.439	2.36	32.7	VALLEY	1.12	32.20	6.44	0.03	0.35	0.35	4.65	0.32	
000B39	0.390	1.66	35.5	VALLEY	0.87	25.20	5.80	0.03	0.35	0.35	3.74	0.54*	
000B40	0.182	1.54	37.7	VALLEY	0.75	22.90	5.92	0.03	0.35	0.35	3.19	0.79*	
000B41	0.445	2.52	36.6	VALLEY	1.23	39.10	5.67	0.04	0.34	0.33	4.20	0.41	1
000B42	0.197	1.39	38.9	VALLEY	0.58	19.80	6.16	0.03	0.35	0.35	4.00	0.46	
000B43	0.174	1.25	28.8	VALLEY	0.67	27.00	4.07	0.04	0.33	0.31	4.70	0.30	2
000B44	0.375	2.08	33.7	VALLEY	0.92	28.30	6.46	0.03	0.35	0.35	4.30	0.40	
000B45	0.967	2.50	33.5	VALLEY	1.31	34.80	6.33	0.03	0.35	0.35	4.30	0.40	
000B46	1.059	3.40	30.9	VALLEY	1.39	51.40	5.81	0.04	0.33	0.31	4.40	0.36	2
000B47	0.316	1.64	37.2	VALLEY	0.61	29.00	4.98	0.04	0.32	0.30	4.50	0.34	3
000B48	0.574	1.97	33.5	VALLEY	0.72	27.00	6.42	0.03	0.34	0.34	4.55	0.34	1
000B49	0.269	1.75	37.1	VALLEY	0.72	23.80	6.49	0.03	0.35	0.36	5.00	0.27	
000B50	0.273	2.02	35.2	VALLEY	0.87	27.20	6.53	0.03	0.34	0.34	4.45	0.37	2
000B52	0.576	2.02	34.7	VALLEY	0.80	37.90	4.69	0.04	0.31	0.29	3.74	0.52*	5
000B53	0.537	1.85	34.0	VALLEY	0.65	38.00	4.30	0.05	0.31	0.26	4.00	0.44	5
000B54	0.289	1.94	33.5	VALLEY	0.76	28.30	6.04	0.03	0.34	0.33	4.50	0.35	1
000B55	0.079	0.75	40.1	VALLEY	0.31	12.30	5.35	0.03	0.35	0.35	3.38	0.69*	1
000B56	0.222	1.60	35.0	VALLEY	0.89	34.30	4.09	0.04	0.32	0.29	4.40	0.36	3
000B57	0.099	0.96	39.6	VALLEY	0.52	23.10	3.66	0.04	0.32	0.29	4.30	0.38	3
000B58	0.243	1.50	38.1	VALLEY	0.79	37.60	3.50	0.05	0.30	0.25	3.92	0.46*	5
000B59	0.505	1.48	23.0	VALLEY	1.00	43.30	3.01	0.05	0.25	0.26	4.30	0.49	30
000B60	0.994	2.59	10.8	AGRICULTURE	1.23	54.10	4.21	0.04	0.23	0.25	4.55	0.42	40
000B61	0.746	1.65	16.4	AGRICULTURE	0.95	43.10	3.36	0.04	0.26	0.27	4.60	0.39	28
000B62	0.334	1.06	10.3	AGRICULTURE	0.60	30.40	3.08	0.04	0.26	0.27	4.60	0.39	29
000B63	0.226	0.95	18.9	AGRICULTURE	0.50	20.50	4.09	0.03	0.23	0.27	4.50	0.44	40
000B64	0.288	1.31	25.2	VALLEY	0.73	33.70	3.41	0.04	0.25	0.27	4.70	0.37	30
000B65	0.199	1.07	30.0	VALLEY	0.33	17.80	5.28	0.04	0.34	0.33	4.55	0.34	2

Area ID	Sub Basin Parameters								Rainfall Losses				
	Area (sq mi)	Length (mi)	Slope (ft/mi)	S-Graph	Lca (mi)	Lag (min)	Velocity (f/s)	Kn	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)
Major Basin ID: C													
C01	0.450	1.27	1145.3	MOUNTAIN	0.59	10.10	10.98	0.03	0.35	0.35	2.89	0.98*	14
C02	0.129	1.01	1161.1	VALLEY	0.51	8.80	10.13	0.03	0.35	0.35	2.91	0.97*	13
C03	0.295	1.49	764.1	VALLEY	0.94	13.90	9.44	0.03	0.35	0.35	2.94	0.95*	7
C04	0.234	1.05	1076.6	MOUNTAIN	0.55	9.30	9.90	0.03	0.35	0.35	2.88	0.99*	19
C05	0.228	1.07	631.9	VALLEY	0.51	10.10	9.32	0.03	0.35	0.35	2.95	0.93*	5
C06	0.349	1.96	153.2	VALLEY	0.82	19.90	8.67	0.03	0.35	0.35	3.19	0.79*	
C07	1.183	2.52	178.5	VALLEY	0.99	22.80	9.70	0.03	0.35	0.35	3.07	0.86*	
C08	0.873	2.51	152.4	VALLEY	1.22	25.40	8.69	0.03	0.35	0.35	3.13	0.83*	
C09	0.138	1.44	111.4	VALLEY	0.70	17.70	7.15	0.03	0.35	0.35	3.13	0.83*	
C10	0.548	2.50	84.0	VALLEY	1.26	28.80	7.64	0.03	0.35	0.35	3.19	0.79*	
C11	0.289	1.77	122.9	VALLEY	1.03	21.80	7.17	0.03	0.35	0.35	3.11	0.84*	
C12	0.201	1.63	336.8	VALLEY	0.86	16.30	8.83	0.03	0.35	0.35	3.09	0.85*	
C13	0.520	2.18	76.7	VALLEY	0.84	23.80	8.04	0.03	0.35	0.35	3.21	0.78*	
C14	0.224	1.62	65.4	VALLEY	0.63	19.70	7.25	0.03	0.35	0.35	3.15	0.82*	
C15	0.095	0.96	65.6	VALLEY	0.45	14.20	5.96	0.03	0.35	0.35	4.20	0.42	
C16	0.127	1.33	75.5	VALLEY	0.59	17.30	6.74	0.03	0.35	0.35	3.23	0.77*	
C17	0.121	0.80	58.5	VALLEY	0.36	12.40	5.68	0.03	0.35	0.35	3.48	0.64*	
C18	0.078	0.50	58.6	VALLEY	0.28	9.40	4.63	0.03	0.35	0.35	4.00	0.46	
C19	0.257	0.99	54.7	VALLEY	0.42	14.50	6.01	0.03	0.35	0.35	3.60	0.58*	
C20	0.464	1.84	49.4	VALLEY	0.95	25.50	6.36	0.03	0.35	0.35	3.25	0.76*	
C21	0.563	1.10	347.5	VALLEY	0.41	10.50	9.23	0.03	0.35	0.35	2.86	1.00*	12
C22	0.804	1.70	360.9	VALLEY	0.94	16.90	8.88	0.03	0.35	0.35	3.11	0.84*	
C23	0.496	0.93	333.7	VALLEY	0.49	10.60	7.68	0.03	0.35	0.35	3.03	0.89*	
C24	0.162	0.92	49.9	VALLEY	0.45	14.70	5.52	0.03	0.35	0.35	3.19	0.79*	
C25	0.076	0.43	49.1	VALLEY	0.15	7.30	5.19	0.03	0.35	0.35	3.15	0.82*	
C26	0.101	0.80	40.3	VALLEY	0.37	13.40	5.20	0.03	0.35	0.35	3.15	0.82*	
C27	0.214	0.99	47.7	VALLEY	0.38	14.30	6.07	0.03	0.35	0.35	3.60	0.58*	
C28	0.050	0.43	58.1	VALLEY	0.14	6.90	5.51	0.03	0.35	0.35	4.65	0.32	
C29	0.339	1.25	46.3	VALLEY	0.44	16.60	6.63	0.03	0.35	0.35	3.92	0.48*	
C30	0.235	1.09	53.4	VALLEY	0.42	15.10	6.35	0.03	0.35	0.35	4.20	0.42	
C31	0.101	1.01	58.3	VALLEY	0.49	15.30	5.83	0.03	0.35	0.35	3.15	0.82*	
C33	32.518	10.25	126.0	VALLEY	4.96	76.70	11.76	0.03	0.35	0.35	3.48	0.64*	2
C34	0.861	3.14	31.2	VALLEY	1.73	41.30	6.69	0.03	0.32	0.32	3.48	0.63*	
C35	5.805	3.69	268.2	VALLEY	1.58	29.20	11.13	0.03	0.35	0.35	3.38	0.69*	
C36	3.084	4.78	209.4	VALLEY	2.50	41.50	10.13	0.03	0.35	0.35	3.71	0.55*	

* Non default value

Area ID	Sub Basin Parameters								Rainfall Losses				
	Area (sq mi)	Length (mi)	Slope (ft/mi)	S-Graph	Lca (mi)	Lag (min)	Velocity (f/s)	Kn	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)
Major Basin ID: C													
C37	1.801	4.66	52.6	VALLEY	2.25	49.70	8.25	0.03	0.35	0.35	3.67	0.56*	
C38	0.640	3.23	58.8	VALLEY	1.46	35.90	7.92	0.03	0.35	0.35	3.43	0.67*	
C39	0.129	1.13	63.9	VALLEY	0.53	16.10	6.15	0.03	0.35	0.35	2.86	1.00*	
C40	0.170	1.34	63.4	VALLEY	0.63	18.40	6.40	0.03	0.35	0.35	3.07	0.86*	
C41	0.078	0.72	63.8	VALLEY	0.41	12.30	5.14	0.03	0.35	0.35	2.97	0.92*	
C42	0.109	0.74	60.5	VALLEY	0.33	11.60	5.63	0.03	0.35	0.35	3.35	0.70*	
C43	0.209	1.16	69.1	VALLEY	0.52	15.90	6.39	0.03	0.35	0.35	2.97	0.92*	
C44	0.170	1.16	51.6	VALLEY	0.61	17.90	5.71	0.03	0.35	0.35	4.90	0.28	
C45	0.125	1.01	49.3	VALLEY	0.43	15.00	5.94	0.03	0.35	0.35	4.35	0.39	
C46	0.245	2.18	67.1	VALLEY	1.07	26.80	7.15	0.03	0.35	0.35	4.10	0.44	
C47	1.000	2.94	41.9	VALLEY	1.67	41.50	6.23	0.03	0.35	0.34	4.60	0.32	
C48	0.255	1.41	38.3	VALLEY	0.52	19.80	6.25	0.03	0.35	0.35	4.40	0.37	
C49	0.186	0.98	39.0	VALLEY	0.41	15.20	5.64	0.03	0.35	0.35	4.45	0.36	
C51	0.382	1.56	21.8	AGRICULTURE	0.69	28.00	4.90	0.03	0.25	0.25	4.70	0.39	39
C52	0.392	1.62	22.3	AGRICULTURE	0.77	33.00	4.31	0.04	0.26	0.26	4.80	0.36	34
C53	0.373	1.62	25.3	AGRICULTURE	0.75	32.70	4.35	0.04	0.25	0.25	4.80	0.37	37

* Non default value

Area ID	Sub Basin Parameters								Rainfall Losses				
	Area (sq mi)	Length (mi)	Slope (ft/mi)	S-Graph	Lca (mi)	Lag (min)	Velocity (f/s)	Kn	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)
Major Basin ID: D													
000D01	2.428	4.14	239.4	VALLEY	1.67	31.80	11.45	0.03	0.35	0.35	3.11	0.84*	1
000D02	0.496	1.50	581.8	VALLEY	0.83	14.00	9.44	0.03	0.35	0.35	3.15	0.82*	5
000D03	0.340	1.65	128.9	VALLEY	0.76	18.70	7.77	0.03	0.35	0.35	2.99	0.91*	2
000D04	0.198	1.51	76.4	VALLEY	0.63	18.60	7.13	0.03	0.35	0.35	2.85	1.02*	
000D05	1.927	4.57	60.2	VALLEY	1.95	45.50	8.83	0.03	0.35	0.35	3.17	0.81*	
000D06	1.216	2.89	66.7	VALLEY	1.67	35.40	7.19	0.03	0.35	0.35	2.82	1.04*	
000D07	1.050	3.27	59.9	VALLEY	1.67	37.90	7.61	0.03	0.35	0.35	3.27	0.75*	
000D08	0.280	1.53	52.2	VALLEY	0.61	19.90	6.79	0.03	0.35	0.35	3.13	0.83*	
000D09	0.544	2.30	251.1	VALLEY	1.43	23.80	8.51	0.03	0.35	0.35	3.40	0.68*	3
000D10	0.841	3.19	39.8	VALLEY	1.61	40.00	7.03	0.03	0.35	0.35	3.85	0.50*	
000D11	0.395	1.74	39.8	VALLEY	0.77	24.00	6.37	0.03	0.35	0.35	3.64	0.57*	
000D12	0.128	0.93	44.0	VALLEY	0.39	14.30	5.72	0.03	0.35	0.35	3.17	0.81*	
000D13	0.559	1.37	41.5	VALLEY	0.53	18.90	6.41	0.03	0.35	0.35	4.40	0.37	
000D15	0.653	2.50	36.9	VALLEY	1.01	30.90	7.10	0.03	0.35	0.35	4.40	0.37	
000D17	0.778	2.82	37.3	VALLEY	1.29	35.50	6.99	0.03	0.35	0.35	3.50	0.63*	
000D18	0.432	2.11	38.5	VALLEY	0.90	27.50	6.73	0.03	0.35	0.35	3.21	0.78*	
000D19	0.247	1.30	37.7	VALLEY	0.55	21.00	5.45	0.03	0.34	0.35	3.21	0.80*	
000D20	0.110	0.82	40.0	VALLEY	0.35	16.90	4.28	0.04	0.32	0.34	3.21	0.86*	4
000D21	0.077	0.65	38.5	VALLEY	0.23	16.10	3.56	0.05	0.27	0.31	3.21	0.97*	16
000D22	7.722	6.51	27.3	VALLEY	3.57	76.20	7.52	0.03	0.35	0.35	3.88	0.49*	
000D23	0.709	2.34	33.4	VALLEY	1.26	36.80	5.59	0.03	0.34	0.34	3.95	0.46*	1
000D24	0.431	1.97	34.5	VALLEY	1.02	41.20	4.21	0.04	0.32	0.29	3.64	0.55*	3
000D25	1.334	2.59	32.4	VALLEY	1.37	48.20	4.74	0.04	0.31	0.31	3.35	0.75*	10
000D26	1.546	3.75	28.8	VALLEY	1.80	47.10	7.00	0.03	0.29	0.32	4.35	0.43	20
000D27	0.259	1.58	16.5	VALLEY	0.81	27.90	4.99	0.03	0.35	0.36	5.00	0.27	
000D28	1.808	3.80	27.4	VALLEY	1.65	49.40	6.78	0.03	0.34	0.34	4.60	0.34	3
000D29	3.395	4.16	78.8	VALLEY	1.81	44.70	8.20	0.03	0.34	0.34	3.31	0.72*	1
000D30	0.426	1.91	31.4	VALLEY	0.87	27.20	6.17	0.03	0.35	0.35	3.85	0.50*	
000D31	0.670	2.57	31.9	VALLEY	1.31	35.50	6.37	0.03	0.35	0.35	3.64	0.57*	
000D32	0.501	1.92	33.3	VALLEY	0.63	23.90	7.09	0.03	0.35	0.35	4.15	0.43	
000D33	0.650	2.17	30.5	VALLEY	1.15	31.90	5.97	0.03	0.35	0.35	4.25	0.41	
000D34	1.202	2.00	28.1	VALLEY	0.97	41.20	4.26	0.04	0.26	0.27	4.55	0.40	26
000D35	1.234	3.39	28.9	VALLEY	1.53	45.40	6.56	0.03	0.34	0.34	3.95	0.47*	2
000D36	0.248	1.24	25.9	VALLEY	0.64	22.70	4.79	0.03	0.24	0.29	4.65	0.39	36
000D37	0.279	1.78	30.4	VALLEY	0.83	27.90	5.60	0.03	0.34	0.34	4.45	0.37	4

* Non default value

Flood Control District of Maricopa County
Drainage Design Management System
SUB BASINS
Project Reference: SUB BASIN D FUTURE

Area ID	Sub Basin Parameters								Rainfall Losses				
	Area (sq mi)	Length (mi)	Slope (ft/mi)	S-Graph	Lca (mi)	Lag (min)	Velocity (f/s)	Kn	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)
Major Basin ID: D													
000D38	0.365	1.78	30.3	VALLEY	0.87	32.00	4.89	0.04	0.31	0.32	4.55	0.37	12
000D39	0.292	1.67	26.9	VALLEY	0.79	38.50	3.82	0.05	0.27	0.27	4.80	0.35	23
000D40	0.232	1.22	31.9	VALLEY	0.44	25.40	4.25	0.04	0.29	0.29	4.50	0.41	19
000D41	0.295	1.13	31.8	VALLEY	0.56	18.80	5.29	0.03	0.35	0.35	4.40	0.37	
000D42	0.208	0.91	28.7	VALLEY	0.39	15.40	5.19	0.03	0.35	0.35	4.00	0.46	
000D43	0.151	0.91	36.1	VALLEY	0.32	14.60	5.50	0.03	0.32	0.31	4.15	0.43	1
000D44	0.332	1.55	33.6	VALLEY	0.56	21.00	6.49	0.03	0.35	0.35	4.20	0.42	
000D45	0.262	1.32	31.8	VALLEY	5.26	46.80	2.49	0.03	0.35	0.35	4.30	0.40	
000D46	0.055	0.50	34.1	VALLEY	0.20	9.20	4.77	0.03	0.35	0.35	4.65	0.32	
000D47	0.040	0.56	28.6	VALLEY	0.18	9.60	5.16	0.03	0.35	0.35	3.40	0.68*	

* Non default value

Flood Control District of Maricopa County
Drainage Design Management System
SUB BASINS
Project Reference: SUB BASIN E FUTURE

Area ID	Sub Basin Parameters								Rainfall Losses				
	Area (sq mi)	Length (mi)	Slope (ft/mi)	S-Graph	Lca (mi)	Lag (min)	Velocity (f/s)	Kn	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)
Major Basin ID: E													
E01	4.541	4.20	181.6	MOUNTAIN	2.28	37.90	9.74	0.03	0.35	0.35	3.38	0.69*	10
E02	6.365	4.11	131.3	VALLEY	1.86	37.00	9.77	0.03	0.35	0.35	2.86	1.00*	11
E03	2.027	3.02	231.1	VALLEY	1.49	27.20	9.77	0.03	0.35	0.35	2.94	0.95*	5
E04	1.771	2.44	325.3	VALLEY	1.10	21.00	10.26	0.03	0.35	0.35	2.91	0.97*	11
E05	4.177	5.98	48.7	VALLEY	5.98	80.40	6.54	0.03	0.35	0.35	3.21	0.78*	
E06	1.056	1.82	266.9	VALLEY	1.02	18.90	8.46	0.03	0.35	0.35	2.89	0.98*	11
E07	1.070	2.49	75.2	VALLEY	1.43	30.80	7.11	0.03	0.35	0.35	2.86	1.00*	
E08	0.959	3.90	82.0	VALLEY	1.91	41.50	8.28	0.03	0.35	0.35	3.29	0.73*	
E09	0.303	1.30	180.6	VALLEY	0.65	15.10	7.58	0.03	0.35	0.35	2.92	0.96*	
E10	0.098	0.74	55.7	VALLEY	0.34	11.90	5.45	0.03	0.35	0.35	3.55	0.61*	
E11	2.267	3.04	35.2	VALLEY	1.44	38.50	6.95	0.03	0.35	0.35	3.11	0.84*	
E12	1.048	3.34	123.1	VALLEY	1.74	45.00	6.52	0.04	0.33	0.31	3.78	0.51*	3
E13	1.531	3.62	40.9	VALLEY	1.81	43.60	7.31	0.03	0.35	0.35	3.95	0.47*	
E14	0.816	1.21	381.4	VALLEY	0.36	10.20	10.44	0.03	0.35	0.35	2.99	0.91*	
E15	0.922	1.80	49.6	VALLEY	0.77	24.80	6.36	0.03	0.35	0.34	3.35	0.70*	
E16	0.785	1.92	86.0	VALLEY	0.96	23.40	7.22	0.03	0.35	0.35	3.35	0.70*	
E17	1.478	3.64	45.4	VALLEY	1.80	42.70	7.49	0.03	0.35	0.35	3.21	0.78*	
E18	0.730	2.25	42.6	VALLEY	0.99	29.70	6.68	0.03	0.35	0.35	3.35	0.71*	1
E19	0.466	2.35	40.8	VALLEY	1.10	31.70	6.53	0.03	0.34	0.34	3.71	0.56*	2
E20	0.508	3.34	35.0	VALLEY	1.78	60.60	4.85	0.04	0.26	0.27	4.20	0.51	30
E21	0.349	1.53	41.1	VALLEY	0.87	30.90	4.36	0.04	0.31	0.31	3.25	0.84*	13
E22	1.103	3.23	35.0	VALLEY	1.66	59.60	4.76	0.04	0.29	0.28	3.95	0.53*	18
E23	0.325	2.23	31.8	VALLEY	1.23	39.40	4.98	0.04	0.32	0.32	4.65	0.34	9
E24	0.261	2.22	35.1	VALLEY	1.15	35.60	5.50	0.03	0.33	0.33	4.35	0.40	6
E25	1.638	4.44	32.9	VALLEY	2.22	76.00	5.13	0.04	0.25	0.26	4.15	0.51	29
E26	0.253	1.47	43.5	VALLEY	0.78	28.90	4.48	0.04	0.26	0.27	4.65	0.38	29
E27	0.128	1.42	32.4	VALLEY	0.63	31.40	3.98	0.04	0.28	0.28	4.65	0.37	21
E28	0.204	1.54	36.9	VALLEY	0.66	35.10	3.87	0.05	0.26	0.26	4.65	0.39	28
E29	0.561	2.41	34.9	VALLEY	1.28	48.40	4.38	0.04	0.28	0.28	4.65	0.37	22
E30	0.637	2.55	34.5	VALLEY	1.31	45.30	4.95	0.04	0.26	0.29	4.40	0.45	27
E31	0.380	2.14	34.5	VALLEY	1.03	41.70	4.52	0.04	0.24	0.27	4.15	0.54	32
E32	0.284	1.15	33.0	VALLEY	0.60	30.90	3.28	0.05	0.23	0.27	3.55	0.79*	33
E33	0.049	0.53	32.0	VALLEY	0.21	19.40	2.40	0.06	0.17	0.27	3.21	1.17*	36
E34	0.268	1.92	31.3	VALLEY	0.91	41.60	4.06	0.05	0.25	0.25	4.65	0.39	32
E35	0.366	1.21	28.9	VALLEY	0.55	26.00	4.09	0.04	0.25	0.25	4.65	0.39	36

* Non default value

Area ID	Sub Basin Parameters								Rainfall Losses				
	Area (sq mi)	Length (mi)	Slope (ft/mi)	S-Graph	Lca (mi)	Lag (min)	Velocity (f/s)	Kn	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)
Major Basin ID: E													
E36	0.163	0.96	30.2	VALLEY	0.55	20.70	4.08	0.04	0.24	0.25	4.10	0.58	44
E37	0.182	0.85	30.7	VALLEY	0.42	23.80	3.12	0.05	0.25	0.25	4.65	0.39	32
E38	0.480	1.34	29.8	VALLEY	0.61	23.10	5.11	0.03	0.14	0.25	4.30	0.57	62
E41	0.670	3.00	26.7	VALLEY	1.26	33.20	7.94	0.03	0.15	0.25	4.70	0.41	58
E42	0.926	2.08	32.7	VALLEY	1.05	35.00	5.24	0.04	0.22	0.25	3.88	0.63*	45
E43	0.714	1.61	29.7	VALLEY	0.74	25.10	5.66	0.03	0.19	0.25	4.30	0.53	54
E44	0.629	1.71	25.7	VALLEY	0.86	23.40	6.44	0.03	0.22	0.26	3.95	0.62*	47
E45	0.320	0.85	28.1	VALLEY	0.33	11.30	6.63	0.02	0.25	0.25	4.55	0.45	48
E46	0.238	0.65	30.7	VALLEY	0.24	7.40	7.72	0.02	0.11	0.25	4.50	0.48	77
E47	0.493	0.75	24.0	VALLEY	0.22	9.90	6.64	0.03	0.17	0.25	4.65	0.43	65
E48	0.861	1.43	23.8	VALLEY	0.70	22.10	5.70	0.03	0.19	0.27	4.60	0.43	52
E49	0.224	1.54	25.9	VALLEY	0.69	19.90	6.84	0.03	0.20	0.29	3.48	0.82*	47
E50	0.699	1.74	23.0	VALLEY	0.53	23.10	6.62	0.03	0.15	0.25	4.60	0.44	56
E51	1.253	2.62	26.7	VALLEY	1.08	32.10	7.19	0.03	0.16	0.26	4.65	0.42	54
E52	0.164	0.41	14.7	VALLEY	0.17	9.40	3.82	0.03	0.15	0.25	4.65	0.42	55
E53	0.110	0.85	35.2	VALLEY	0.26	19.00	3.95	0.05	0.17	0.28	3.23	1.12*	45
E54	0.122	1.10	25.4	VALLEY	0.55	27.70	3.51	0.04	0.21	0.25	4.50	0.49	42

Flood Control District of Maricopa County
Drainage Design Management System
SUB BASINS
Project Reference: SUB BASIN F FUTURE

Area ID	Sub Basin Parameters								Rainfall Losses				
	Area (sq mi)	Length (mi)	Slope (ft/mi)	S-Graph	Lca (mi)	Lag (min)	Velocity (f/s)	Kn	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)
Major Basin ID: F													
F01	1.777	3.26	62.9	VALLEY	1.69	56.40	5.08	0.05	0.31	0.30	2.94	0.98*	4
F01A	0.410	1.38	690.5	VALLEY	0.66	12.00	10.10	0.03	0.35	0.35	2.89	0.98*	5
F02	0.387	1.20	91.7	VALLEY	0.75	25.80	4.09	0.04	0.31	0.30	2.94	0.98*	4
F02A	0.636	1.53	614.8	VALLEY	0.77	13.60	9.92	0.03	0.35	0.35	2.92	0.96*	10
F03	1.629	4.70	267.9	VALLEY	2.18	48.20	8.58	0.04	0.33	0.32	2.94	0.97*	4
F04	2.198	4.69	55.4	VALLEY	2.21	68.60	6.02	0.04	0.32	0.31	2.94	0.97*	3
F05	2.967	4.89	42.2	VALLEY	1.74	55.80	7.70	0.04	0.34	0.33	3.23	0.78*	1
F06	1.001	1.67	161.5	VALLEY	0.87	19.00	7.76	0.03	0.35	0.35	2.91	0.97*	1
F07	3.678	3.41	39.8	VALLEY	1.56	44.60	6.74	0.03	0.34	0.34	3.11	0.85*	3
F08	0.878	2.30	26.1	VALLEY	1.17	50.80	3.98	0.05	0.31	0.28	3.88	0.51*	4
F09	2.691	4.18	24.9	VALLEY	2.12	66.20	5.55	0.04	0.32	0.32	3.53	0.64*	6
F10	2.248	2.77	192.6	VALLEY	1.60	37.30	6.53	0.04	0.31	0.31	3.15	0.86*	10
F11	1.485	2.90	79.4	VALLEY	1.48	33.80	7.54	0.03	0.35	0.35	3.01	0.91*	1
F12	0.312	1.56	253.5	VALLEY	0.79	16.90	8.14	0.03	0.34	0.35	3.05	0.89*	2
F13	0.260	1.27	342.8	VALLEY	0.60	12.80	8.68	0.03	0.35	0.35	2.97	0.92*	
F14	0.388	1.66	267.7	VALLEY	0.86	18.80	7.77	0.03	0.34	0.34	3.09	0.85*	1
F15	0.784	2.46	36.2	VALLEY	1.08	42.20	5.12	0.04	0.28	0.29	4.40	0.43	20
F16	0.110	0.79	25.3	VALLEY	0.34	14.20	4.90	0.03	0.35	0.35	4.60	0.33	
F17	1.159	2.88	140.1	VALLEY	1.26	27.60	9.20	0.03	0.35	0.35	3.35	0.70*	
F18	0.302	1.07	28.0	VALLEY	0.47	18.90	5.00	0.03	0.34	0.34	4.50	0.36	3
F19	0.849	2.69	26.8	VALLEY	1.24	48.70	4.86	0.04	0.30	0.30	4.55	0.38	16
F20	0.797	2.54	22.1	VALLEY	1.04	46.20	4.83	0.04	0.24	0.25	4.55	0.43	40
F21	0.533	1.97	25.4	VALLEY	0.95	42.50	4.07	0.04	0.31	0.28	4.60	0.33	8
F22	0.366	1.56	24.4	VALLEY	0.65	24.40	5.60	0.03	0.35	0.35	4.60	0.32	
F23	0.670	2.54	27.6	VALLEY	1.19	35.00	6.38	0.03	0.35	0.35	4.45	0.36	
F24	0.799	2.65	26.4	VALLEY	1.00	33.60	6.94	0.03	0.35	0.35	4.60	0.33	
F25	2.994	4.64	30.2	VALLEY	2.12	64.70	6.31	0.04	0.26	0.28	4.40	0.45	31
F26	0.496	2.36	27.1	VALLEY	0.89	36.70	5.66	0.04	0.22	0.25	4.65	0.42	46
F27	0.671	1.77	24.9	VALLEY	0.81	36.70	4.23	0.04	0.27	0.27	4.60	0.39	31
F28	0.474	1.49	20.1	VALLEY	0.68	40.90	3.21	0.05	0.28	0.25	4.50	0.38	16
F29	0.594	1.95	20.6	VALLEY	0.83	42.80	4.00	0.04	0.29	0.27	4.55	0.37	17
F31	0.272	0.75	8.0	VALLEY	0.45	19.30	3.44	0.03	0.19	0.25	4.60	0.43	58
F32	0.287	1.10	18.1	VALLEY	0.73	29.10	3.34	0.04	0.26	0.26	4.65	0.38	35
F33	0.492	1.42	22.6	VALLEY	0.75	29.30	4.25	0.04	0.23	0.25	4.60	0.42	43
F34	0.597	1.76	18.2	VALLEY	1.05	39.80	3.88	0.04	0.26	0.26	4.65	0.38	32

* Non default value

Area ID	Sub Basin Parameters								Rainfall Losses				
	Area (sq mi)	Length (mi)	Slope (ft/mi)	S-Graph	Lca (mi)	Lag (min)	Velocity (f/s)	Kn	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)
Major Basin ID: F													
F35	0.666	2.09	21.0	VALLEY	1.03	37.80	4.87	0.04	0.23	0.25	4.65	0.39	44
F36	0.167	0.90	22.2	VALLEY	0.35	24.20	3.27	0.05	0.22	0.25	4.45	0.47	36

* Non default value

Area ID	Sub Basin Parameters								Rainfall Losses				
	Area (sq mi)	Length (mi)	Slope (ft/mi)	S-Graph	Lca (mi)	Lag (min)	Velocity (f/s)	Kn	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)
Major Basin ID: G													
G01	1.584	3.94	77.8	VALLEY	1.95	42.30	8.18	0.03	0.35	0.35	3.95	0.47*	
G02	2.061	3.98	630.8	VALLEY	2.25	29.20	11.99	0.03	0.35	0.35	3.95	0.47*	6
G03	2.460	3.66	657.9	VALLEY	2.44	28.90	11.13	0.03	0.35	0.35	3.92	0.48*	11
G04	2.343	3.48	830.5	VALLEY	1.89	24.60	12.43	0.03	0.35	0.35	3.85	0.50*	5
G05	1.587	2.35	633.2	MOUNTAIN	0.87	16.70	12.44	0.03	0.35	0.35	2.53	1.31*	
G06	2.155	2.24	724.8	VALLEY	0.88	16.00	12.31	0.03	0.35	0.35	3.85	0.50*	3
G07	1.357	3.26	321.3	VALLEY	1.64	27.30	10.51	0.03	0.35	0.35	4.15	0.43	8
G08	0.401	2.17	75.7	VALLEY	1.08	26.20	7.27	0.03	0.35	0.35	3.95	0.47*	
G09	0.702	2.88	50.7	VALLEY	1.51	37.00	6.84	0.03	0.35	0.34	3.95	0.47*	
G10	0.439	2.28	61.4	VALLEY	1.04	29.30	6.86	0.03	0.34	0.34	3.95	0.47*	1
G11	0.605	1.69	43.7	VALLEY	0.84	33.70	4.42	0.04	0.32	0.29	3.95	0.48*	3
G12	1.032	2.77	49.9	VALLEY	1.40	39.00	6.25	0.03	0.34	0.33	4.00	0.46	1
G13	0.498	2.20	52.8	VALLEY	1.25	36.80	5.25	0.04	0.33	0.31	3.95	0.47*	2
G14	0.136	1.04	48.1	VALLEY	0.47	17.90	5.12	0.03	0.34	0.33	3.95	0.47*	1
G16	1.423	3.56	476.8	VALLEY	1.90	25.80	12.12	0.03	0.31	0.33	3.60	0.62*	10
G17	0.602	2.03	35.5	VALLEY	0.84	18.80	9.50	0.02	0.15	0.26	3.55	0.80*	54
G18	0.322	1.82	822.0	VALLEY	1.07	17.10	9.37	0.03	0.34	0.34	3.48	0.64*	10
G19	0.670	1.74	800.0	VALLEY	0.88	16.10	9.46	0.03	0.34	0.34	3.05	0.87*	12
G20	0.236	1.58	565.6	VALLEY	0.90	14.80	9.38	0.03	0.35	0.35	3.38	0.69*	
G21	1.955	3.18	341.8	VALLEY	1.33	30.40	9.21	0.04	0.29	0.31	3.15	0.93*	23
G22	1.124	2.60	73.2	VALLEY	1.16	37.80	6.05	0.04	0.30	0.31	3.15	0.91*	16
G23	1.197	2.23	75.3	VALLEY	1.04	33.10	5.92	0.04	0.30	0.31	3.01	1.00*	15
G24	0.349	1.95	61.6	VALLEY	0.70	28.10	6.09	0.04	0.31	0.32	2.99	1.00*	13
G25	0.358	2.47	85.9	VALLEY	1.25	40.80	5.33	0.04	0.30	0.30	2.94	1.00*	11
G26A	0.997	2.96	229.6	VALLEY	1.12	29.10	8.96	0.04	0.33	0.33	2.97	0.93*	3
G26B	0.170	1.29	732.7	VALLEY	0.70	19.40	5.85	0.05	0.30	0.28	2.86	0.96*	7
G27	1.408	3.11	190.4	VALLEY	1.27	27.70	9.86	0.03	0.28	0.32	3.13	0.92*	21
G28	0.282	1.53	39.3	VALLEY	0.49	13.50	9.97	0.02	0.13	0.27	3.64	0.81*	71
G29	2.812	3.81	452.9	VALLEY	1.74	27.70	12.08	0.03	0.35	0.35	4.10	0.44	
G30	3.704	3.95	221.9	VALLEY	2.18	35.10	9.91	0.03	0.35	0.35	4.10	0.44	
G31	0.182	1.09	53.1	VALLEY	0.49	16.00	6.00	0.03	0.35	0.35	4.10	0.44	
G32	1.142	2.55	40.1	VALLEY	0.87	29.00	7.73	0.03	0.35	0.35	4.20	0.42	
G33	0.744	2.11	47.4	VALLEY	0.83	25.70	7.23	0.03	0.35	0.35	4.00	0.46	
G34	0.205	1.04	48.1	VALLEY	0.51	17.30	5.27	0.03	0.35	0.34	3.95	0.47*	
G35	0.527	2.06	47.5	VALLEY	0.95	27.70	6.56	0.03	0.35	0.35	4.00	0.46	

* Non default value

Area ID	Sub Basin Parameters								Rainfall Losses				
	Area (sq mi)	Length (mi)	Slope (ft/mi)	S-Graph	Lca (mi)	Lag (min)	Velocity (f/s)	Kn	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)
Major Basin ID: G													
G36	0.997	3.07	48.1	VALLEY	1.33	35.30	7.65	0.03	0.35	0.35	4.00	0.46	
G37	0.408	1.69	46.0	VALLEY	0.66	24.70	6.04	0.03	0.34	0.33	4.00	0.46	1
G38	0.336	2.05	44.9	VALLEY	0.84	33.50	5.38	0.04	0.31	0.28	4.10	0.45	2
G39	0.763	3.84	45.3	VALLEY	1.79	50.80	6.65	0.04	0.32	0.30	4.00	0.46	1
G40	1.521	3.15	42.6	VALLEY	1.40	43.40	6.38	0.04	0.34	0.33	4.00	0.46	1
G41	0.423	1.80	40.1	VALLEY	0.72	37.00	4.27	0.05	0.30	0.27	4.00	0.47	8
G42	0.694	3.11	38.0	VALLEY	1.07	44.40	6.15	0.04	0.30	0.29	4.00	0.50	14
G43	2.170	3.63	47.9	VALLEY	1.63	40.70	7.85	0.03	0.35	0.35	4.10	0.44	
G44	0.728	1.47	978.2	MOUNTAIN	0.67	11.60	11.14	0.03	0.35	0.35	2.52	1.32*	
G45	1.997	4.79	75.5	VALLEY	2.09	45.60	9.25	0.03	0.35	0.35	4.40	0.37	
G46	1.413	3.64	382.3	VALLEY	1.61	27.30	11.71	0.03	0.35	0.35	3.95	0.47*	6
G47	0.121	0.88	52.4	VALLEY	0.46	14.40	5.36	0.03	0.35	0.35	3.95	0.47*	
G48	1.909	2.60	946.5	MOUNTAIN	1.47	19.60	11.70	0.03	0.35	0.35	3.95	0.47*	58

* Non default value

Flood Control District of Maricopa County
Drainage Design Management System
SUB BASINS
Project Reference: SUB BASIN H FUTURE

Area ID	Sub Basin Parameters								Rainfall Losses				
	Area (sq mi)	Length (mi)	Slope (ft/mi)	S-Graph	Lca (mi)	Lag (min)	Velocity (f/s)	Kn	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)
Major Basin ID: H													
H01	1.613	2.84	656.4	VALLEY	1.24	20.30	12.28	0.03	0.35	0.35	3.95	0.47*	7
H02	1.584	1.90	1286.8	MOUNTAIN	1.02	14.30	11.73	0.03	0.35	0.35	3.95	0.47*	55
H03	2.186	3.04	742.5	MOUNTAIN	1.69	22.90	11.68	0.03	0.35	0.35	3.88	0.49*	42
H04	1.207	3.17	837.0	MOUNTAIN	1.77	23.20	12.05	0.03	0.35	0.35	3.45	0.65*	11
H05	1.506	2.89	835.7	VALLEY	1.75	22.30	11.42	0.03	0.35	0.35	3.45	0.65*	20
H06	1.227	2.50	1147.0	VALLEY	1.44	19.00	11.54	0.03	0.35	0.35	2.83	1.04*	1
H07	0.705	1.60	75.2	VALLEY	1.55	43.80	3.21	0.05	0.30	0.25	3.95	0.58*	15
H08	0.859	2.03	1112.2	VALLEY	1.01	15.50	11.56	0.03	0.35	0.34	3.64	0.58*	8
H09	1.106	1.85	1152.4	MOUNTAIN	0.99	14.20	11.43	0.03	0.35	0.35	3.81	0.51*	41
H10	0.528	1.15	108.2	VALLEY	0.61	18.60	5.43	0.04	0.32	0.31	3.95	0.51*	10
H11	0.273	1.43	114.8	VALLEY	0.61	19.40	6.47	0.04	0.26	0.28	3.95	0.56*	29
H12	0.484	2.05	1354.5	VALLEY	1.02	16.00	11.27	0.03	0.34	0.34	2.86	1.04*	2
H13	0.519	1.91	96.5	VALLEY	0.74	33.70	4.97	0.05	0.30	0.25	3.95	0.57*	14
H14	0.828	2.91	32.7	VALLEY	1.02	46.00	5.56	0.04	0.32	0.30	3.71	0.62*	9
H15A	0.478	1.97	1020.8	VALLEY	0.92	14.50	11.94	0.03	0.35	0.35	3.88	0.49*	9
H15B	0.297	1.18	1103.6	VALLEY	0.47	9.10	11.37	0.03	0.35	0.35	4.15	0.43	23
H16	0.310	1.70	1218.5	MOUNTAIN	0.92	13.30	11.26	0.03	0.35	0.35	3.03	0.89*	
H17	0.453	1.68	179.3	VALLEY	0.85	19.10	7.75	0.03	0.35	0.34	3.95	0.47*	1
H18	0.438	1.48	101.6	VALLEY	0.64	25.20	5.16	0.04	0.31	0.28	3.95	0.55*	13
H20	0.496	2.04	138.2	VALLEY	0.68	19.80	9.06	0.03	0.24	0.29	3.95	0.57*	36
H22	1.461	1.70	146.7	VALLEY	0.89	20.20	7.38	0.03	0.35	0.34	4.15	0.44	8
H23	0.707	1.79	74.9	VALLEY	0.96	36.60	4.30	0.05	0.31	0.27	3.95	0.56*	13
H24	0.416	1.08	65.6	VALLEY	0.53	16.90	5.65	0.03	0.35	0.34	3.95	0.48*	1
H25	0.317	1.12	64.5	VALLEY	0.49	20.20	4.86	0.04	0.33	0.30	3.95	0.52*	7
H26	0.754	2.49	54.2	VALLEY	1.03	46.30	4.73	0.05	0.30	0.26	3.95	0.57*	13
H27	0.383	1.81	97.0	VALLEY	0.64	27.50	5.81	0.04	0.27	0.26	3.95	0.58*	24
H28	0.719	1.40	64.9	VALLEY	0.75	33.20	3.71	0.05	0.30	0.25	3.95	0.58*	15
H29	1.041	3.00	56.0	VALLEY	1.64	57.70	4.58	0.05	0.31	0.27	4.00	0.55	12
H30	0.477	1.50	75.5	VALLEY	0.71	32.40	4.06	0.05	0.30	0.25	3.95	0.58*	15
H31	0.373	1.21	82.9	VALLEY	0.67	24.70	4.30	0.04	0.32	0.28	3.95	0.54*	10
H32	0.714	2.19	64.8	VALLEY	0.92	34.00	5.67	0.04	0.33	0.30	3.95	0.52*	7
H33	1.083	2.81	52.9	VALLEY	1.12	36.70	6.75	0.04	0.34	0.32	3.95	0.50*	4
H34	0.407	0.76	45.8	VALLEY	0.45	17.60	3.81	0.04	0.33	0.31	4.00	0.50	6
H35	1.305	3.06	722.0	VALLEY	0.40	16.00	16.79	0.04	0.30	0.31	3.35	0.80*	16
H36	0.437	1.36	58.3	VALLEY	0.54	28.40	4.21	0.05	0.30	0.26	4.00	0.55	14

* Non default value

Area ID	Sub Basin Parameters								Rainfall Losses				
	Area (sq mi)	Length (mi)	Slope (ft/mi)	S-Graph	Lca (mi)	Lag (min)	Velocity (f/s)	Kn	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)
Major Basin ID: H													
H37	0.563	0.99	58.5	VALLEY	0.58	26.90	3.24	0.05	0.30	0.25	3.95	0.58*	15
H38	0.481	0.99	73.1	VALLEY	0.54	24.60	3.53	0.05	0.29	0.25	3.95	0.58*	17
H39	0.379	0.97	55.9	VALLEY	0.49	25.20	3.37	0.05	0.30	0.25	4.00	0.54	13
H40	0.470	1.34	47.9	VALLEY	0.60	31.10	3.78	0.05	0.30	0.25	4.00	0.44	7
H41	0.300	0.95	46.6	VALLEY	0.43	24.60	3.37	0.05	0.30	0.25	4.00	0.44	7
H42	0.442	1.46	45.3	VALLEY	0.81	37.20	3.45	0.05	0.30	0.25	4.00	0.48	10
H43	0.220	1.11	52.4	VALLEY	0.42	25.40	3.84	0.05	0.30	0.25	4.00	0.49	11
H44	0.554	1.25	47.4	VALLEY	0.67	31.00	3.53	0.05	0.30	0.26	4.00	0.51	12
H45	0.278	1.13	45.3	VALLEY	0.69	22.80	4.34	0.04	0.33	0.32	4.00	0.49	5
H46	0.315	1.17	45.3	VALLEY	0.48	23.00	4.48	0.04	0.32	0.29	4.00	0.51	10
H47	0.383	1.04	42.4	VALLEY	0.46	22.40	4.08	0.04	0.32	0.29	4.00	0.52	9
H48	0.334	1.46	46.7	VALLEY	0.65	20.40	6.28	0.03	0.35	0.35	4.00	0.46	
H49	0.478	2.14	43.5	VALLEY	0.80	35.40	5.32	0.04	0.32	0.30	4.00	0.51	8
H50	0.625	2.69	34.6	VALLEY	1.13	47.10	5.03	0.04	0.32	0.29	4.00	0.52	9
H51	0.303	0.97	54.8	VALLEY	0.50	20.90	4.07	0.04	0.32	0.29	4.00	0.51	9
H52	0.225	1.08	40.7	VALLEY	0.62	21.40	4.44	0.04	0.34	0.33	4.00	0.48	3
H53	0.386	2.24	46.4	VALLEY	1.00	42.50	4.64	0.05	0.31	0.27	4.00	0.54	11
H54	0.213	0.96	36.3	VALLEY	0.46	26.70	3.17	0.05	0.30	0.25	4.00	0.56	15
H55	0.339	1.16	48.3	VALLEY	0.64	27.70	3.68	0.05	0.31	0.28	3.95	0.49*	4
H56	0.395	1.37	39.5	VALLEY	0.64	21.80	5.53	0.03	0.35	0.34	4.00	0.46	
H57	0.421	1.33	38.4	VALLEY	0.62	25.40	4.60	0.04	0.32	0.31	4.00	0.46	5
H58	0.305	1.17	46.3	VALLEY	0.63	30.90	3.32	0.05	0.30	0.25	3.95	0.54*	11
H59	0.386	0.99	38.6	VALLEY	0.47	17.20	5.05	0.03	0.34	0.34	3.95	0.47*	1
H60	0.551	1.74	39.1	VALLEY	0.85	31.60	4.84	0.04	0.32	0.31	3.95	0.50*	8
H61	0.473	1.72	38.3	VALLEY	0.82	35.30	4.29	0.04	0.30	0.29	4.00	0.50	12
H62	0.494	1.16	52.8	VALLEY	0.60	28.90	3.52	0.05	0.30	0.26	3.95	0.57*	14
H63	0.167	0.75	45.3	VALLEY	0.49	16.70	3.96	0.04	0.34	0.33	4.00	0.48	3
H65	0.416	1.90	42.2	VALLEY	0.74	37.00	4.51	0.05	0.31	0.27	3.95	0.55*	11
H66	0.722	2.61	2.7	VALLEY	1.04	76.70	3.00	0.04	0.32	0.28	4.00	0.53	10
H67	0.186	1.09	38.5	VALLEY	0.69	26.50	3.62	0.04	0.31	0.29	4.00	0.51	11
H68	0.339	1.14	29.0	VALLEY	0.48	22.90	4.37	0.04	0.25	0.27	3.95	0.57*	35
H69	0.530	1.16	32.9	VALLEY	0.68	29.80	3.42	0.04	0.25	0.26	3.95	0.58*	34
H70	0.493	1.92	23.0	VALLEY	0.64	37.70	4.47	0.04	0.28	0.28	3.95	0.55*	20
H71	0.648	1.22	116.9	VALLEY	0.65	23.00	4.69	0.04	0.32	0.29	4.00	0.50	8
H72	0.422	0.84	26.3	VALLEY	0.32	21.60	3.41	0.05	0.30	0.27	4.15	0.46	12

* Non default value

Area ID	Sub Basin Parameters								Rainfall Losses				
	Area (sq mi)	Length (mi)	Slope (ft/mi)	S-Graph	Lca (mi)	Lag (min)	Velocity (f/s)	Kn	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)
Major Basin ID: H													
H73	0.290	0.67	32.7	VALLEY	0.32	20.70	2.86	0.05	0.30	0.25	3.95	0.44*	5
H74	0.802	1.71	22.2	VALLEY	0.45	33.30	4.53	0.05	0.27	0.26	4.00	0.51	20
H75	0.747	1.06	37.6	AGRICULTURE	0.56	29.70	3.15	0.05	0.29	0.25	4.00	0.44	8
H76	0.752	1.06	28.3	VALLEY	0.58	24.10	3.87	0.04	0.22	0.25	4.00	0.58	46
H77	0.273	0.67	20.8	VALLEY	0.32	18.10	3.28	0.04	0.28	0.29	4.25	0.47	21
H78	0.489	1.00	39.8	VALLEY	0.50	24.20	3.65	0.04	0.24	0.25	4.00	0.57	34
H79	0.503	1.06	36.9	VALLEY	0.52	17.30	5.37	0.03	0.18	0.25	4.00	0.61	58
H80	0.458	1.04	29.0	AGRICULTURE	0.35	17.00	5.35	0.03	0.22	0.27	4.10	0.56	42
H81	0.243	0.54	44.5	VALLEY	0.26	14.60	3.25	0.04	0.24	0.25	4.00	0.57	34
H82	0.502	1.13	42.5	VALLEY	0.56	20.80	4.78	0.04	0.23	0.25	4.00	0.57	46
H83	0.660	1.09	31.2	VALLEY	0.50	27.40	3.51	0.05	0.27	0.27	4.10	0.53	25
H84	0.756	1.09	34.9	VALLEY	0.43	23.10	4.15	0.04	0.24	0.25	4.00	0.57	38
H85	0.976	1.08	37.9	AGRICULTURE	0.54	19.40	4.91	0.03	0.19	0.25	4.00	0.61	54
H86	1.077	1.28	22.0	AGRICULTURE	0.52	27.40	4.10	0.04	0.24	0.26	4.25	0.50	37

* Non default value

Area ID	Sub Basin Parameters								Rainfall Losses				
	Area (sq mi)	Length (mi)	Slope (ft/mi)	S-Graph	Lca (mi)	Lag (min)	Velocity (f/s)	Kn	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)
Major Basin ID: I													
I03	0.957	1.95	1131.1	VALLEY	1.11	15.20	11.27	0.03	0.35	0.35	3.95	0.47*	27
I04	0.394	1.50	109.9	VALLEY	0.46	20.00	6.62	0.04	0.33	0.30	3.95	0.52*	7
I05	0.217	0.84	105.7	VALLEY	0.38	11.90	6.20	0.03	0.35	0.35	3.95	0.47*	
I06	0.499	0.83	66.5	VALLEY	0.48	22.80	3.19	0.05	0.30	0.25	4.00	0.56	14
I07	0.194	0.76	71.4	VALLEY	0.38	18.70	3.55	0.05	0.31	0.27	4.00	0.52	11
I08	0.791	1.16	50.2	VALLEY	0.61	30.00	3.40	0.05	0.30	0.25	4.00	0.44	6
I09	0.315	1.02	57.8	VALLEY	0.48	24.90	3.61	0.05	0.30	0.25	4.00	0.43	5
I10	0.497	0.99	44.4	VALLEY	0.54	27.10	3.22	0.05	0.30	0.25	4.00	0.44	7
I11	0.289	0.85	46.1	VALLEY	0.85	30.70	2.43	0.05	0.27	0.25	3.95	0.53*	20
I12	0.509	1.02	43.1	VALLEY	0.53	16.70	5.37	0.03	0.19	0.25	4.00	0.60	55
I13	0.519	0.99	28.3	VALLEY	0.49	16.20	5.36	0.03	0.17	0.25	4.25	0.56	61
I14	0.240	0.48	41.4	VALLEY	0.23	13.90	3.07	0.05	0.25	0.26	5.20	0.30	31
I15A	0.402	0.92	88.9	VALLEY	0.54	19.30	4.20	0.04	0.32	0.30	4.15	0.48	8
I15B	0.328	1.54	759.3	VALLEY	0.72	12.70	10.62	0.03	0.35	0.35	3.95	0.47*	20
I16	0.490	1.17	975.2	VALLEY	0.98	17.20	5.97	0.04	0.32	0.29	3.95	0.53*	16
I17A	0.108	0.49	95.3	VALLEY	0.24	11.60	3.75	0.04	0.32	0.28	4.50	0.38	7
I17B	0.088	0.62	159.4	VALLEY	0.26	9.60	5.68	0.04	0.34	0.33	4.70	0.30	5
I17C	0.163	1.11	912.8	VALLEY	0.60	10.10	9.65	0.03	0.35	0.35	4.10	0.44	53
I18	0.664	0.98	59.1	VALLEY	0.50	24.80	3.48	0.05	0.30	0.25	3.95	0.46*	6
I19	0.354	0.95	48.6	VALLEY	0.51	24.00	3.47	0.05	0.30	0.27	4.00	0.45	7
I20	0.619	1.29	45.0	VALLEY	0.60	23.40	4.84	0.04	0.24	0.25	4.00	0.56	40
I21	0.469	1.00	44.2	VALLEY	0.50	17.70	4.93	0.03	0.20	0.25	4.00	0.60	53
I22	0.385	0.73	30.1	AGRICULTURE	0.31	17.60	3.66	0.04	0.24	0.26	4.40	0.47	35
I23	0.423	1.59	1043.4	MOUNTAIN	0.97	13.60	10.29	0.03	0.35	0.35	4.20	0.42	44
I24	0.177	1.19	505.9	VALLEY	0.76	14.90	7.05	0.04	0.34	0.33	4.65	0.31	4
I25	0.309	0.73	97.7	VALLEY	0.40	18.10	3.53	0.05	0.31	0.26	4.55	0.32	4
I26A	0.576	1.36	73.6	VALLEY	0.62	29.20	4.09	0.05	0.30	0.25	4.20	0.41	6
I26B	0.061	0.87	611.7	VALLEY	0.46	9.90	7.74	0.03	0.34	0.33	4.70	0.30	6
I27	0.403	0.98	63.4	VALLEY	0.49	24.70	3.48	0.05	0.30	0.25	4.25	0.39	5
I28	0.442	0.98	152.0	VALLEY	0.49	20.10	4.28	0.05	0.30	0.26	4.00	0.44	5
I29	0.373	0.74	54.3	VALLEY	0.40	19.90	3.25	0.05	0.31	0.26	4.00	0.44	4
I30	0.423	0.87	49.4	VALLEY	0.44	23.80	3.21	0.05	0.30	0.25	4.00	0.44	7
I31	0.361	0.72	51.7	VALLEY	0.37	20.50	3.07	0.05	0.30	0.25	3.95	0.45*	7
I32	0.506	1.00	39.0	VALLEY	0.50	18.20	4.83	0.03	0.18	0.25	4.00	0.61	54
I33	0.504	1.01	41.7	VALLEY	0.52	21.60	4.10	0.04	0.24	0.25	4.00	0.57	40

* Non default value

Flood Control District of Maricopa County
Drainage Design Management System
SUB BASINS
Project Reference: SUB BASIN I FUTURE

Area ID	Sub Basin Parameters								Rainfall Losses				
	Area (sq mi)	Length (mi)	Slope (ft/mi)	S-Graph	Lca (mi)	Lag (min)	Velocity (f/s)	Kn	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)
Major Basin ID: I													
I34	0.510	1.00	28.9	VALLEY	0.51	25.30	3.48	0.04	0.25	0.25	4.40	0.43	27
I35	0.507	1.01	35.8	VALLEY	0.51	26.60	3.33	0.05	0.24	0.25	4.70	0.37	32
I36	0.194	0.59	33.8	VALLEY	0.29	15.10	3.45	0.04	0.30	0.30	4.45	0.41	16
I37	0.409	0.77	28.6	VALLEY	0.37	20.80	3.26	0.04	0.25	0.27	5.20	0.30	31
I38	0.115	0.98	521.5	VALLEY	0.45	12.50	6.87	0.04	0.33	0.32	4.80	0.30	3
I39	0.217	0.86	85.1	VALLEY	0.35	19.60	3.85	0.05	0.30	0.25	4.25	0.39	5
I40	0.408	0.97	59.5	VALLEY	0.46	24.40	3.51	0.05	0.30	0.25	4.20	0.40	5
I41	0.476	0.98	54.3	VALLEY	0.50	24.10	3.56	0.05	0.30	0.26	4.00	0.44	5
I42	0.422	0.99	45.3	VALLEY	0.50	18.20	4.81	0.03	0.22	0.25	3.95	0.60*	47
I43	0.432	1.01	38.7	VALLEY	0.52	28.10	3.16	0.05	0.25	0.25	4.50	0.43	30
I44A	0.653	1.69	426.5	VALLEY	0.89	36.70	4.05	0.07	0.27	0.29	4.15	0.57	4
I44B	0.186	1.10	1096.5	VALLEY	0.61	9.80	9.85	0.03	0.35	0.35	4.00	0.46	61
I45	0.351	0.98	62.1	VALLEY	0.49	27.90	3.10	0.06	0.29	0.25	4.45	0.37	4
I46	0.460	1.02	55.9	VALLEY	0.53	24.90	3.60	0.05	0.30	0.26	4.10	0.43	5
I47	0.349	0.99	44.4	VALLEY	0.54	19.90	4.38	0.04	0.23	0.25	4.00	0.58	44
I48	0.337	1.02	39.4	VALLEY	0.46	18.20	4.90	0.03	0.17	0.25	4.30	0.54	56
I49	0.383	0.52	22.9	VALLEY	0.23	13.90	3.32	0.04	0.24	0.25	4.60	0.41	43
I50	0.600	0.81	24.8	VALLEY	0.35	17.40	4.07	0.04	0.25	0.28	4.50	0.42	33
I51	0.144	1.46	242.6	VALLEY	0.57	46.30	2.77	0.10	0.20	0.25	4.30	0.64	
I52	0.318	1.67	398.2	VALLEY	0.57	38.50	3.81	0.09	0.23	0.27	4.10	0.66	12
I53	0.515	2.16	185.4	VALLEY	0.83	66.00	2.88	0.10	0.20	0.25	4.25	0.66	
I54	0.352	0.97	85.6	VALLEY	0.47	45.90	1.86	0.10	0.20	0.25	4.00	0.74	
I55	0.249	1.06	58.6	VALLEY	0.52	27.00	3.45	0.05	0.30	0.28	4.10	0.47	3
I56	0.432	1.02	59.9	VALLEY	0.49	26.90	3.33	0.05	0.30	0.29	4.10	0.50	2
I57	0.190	0.61	46.1	VALLEY	0.31	14.40	3.72	0.04	0.27	0.28	4.70	0.36	48
I58A	0.129	0.61	55.7	VALLEY	0.35	10.10	5.33	0.03	0.17	0.23	6.20	0.22	90
I58B	0.585	1.54	43.5	VALLEY	0.79	28.80	4.71	0.04	0.26	0.27	4.35	0.46	39
I59	0.099	0.58	281.8	VALLEY	0.42	9.20	5.54	0.03	0.25	0.27	5.70	0.24	80
I60A	0.976	1.75	30.9	VALLEY	0.84	29.50	5.21	0.03	0.21	0.25	5.00	0.35	59
I60B	0.102	0.38	391.5	VALLEY	0.29	7.40	4.50	0.04	0.26	0.23	6.60	0.17	71
I60C	0.270	1.14	38.6	VALLEY	0.55	20.50	4.90	0.03	0.18	0.25	4.30	0.54	55
I61	0.250	0.47	97.5	VALLEY	0.21	8.00	5.18	0.03	0.17	0.25	4.65	0.42	65
I62	0.422	0.95	91.0	VALLEY	0.46	17.80	4.67	0.04	0.30	0.29	4.60	0.35	33
I63	0.293	1.21	129.2	VALLEY	0.72	20.60	5.16	0.04	0.29	0.29	4.60	0.35	22
I64	0.267	0.81	49.1	VALLEY	0.41	17.70	4.06	0.04	0.23	0.19	6.60	0.18	71

* Non default value

Area ID	Sub Basin Parameters								Rainfall Losses				
	Area (sq mi)	Length (mi)	Slope (ft/mi)	S-Graph	Lca (mi)	Lag (min)	Velocity (f/s)	Kn	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)
Major Basin ID: I													
I65	0.307	1.14	44.1	VALLEY	0.48	20.00	4.98	0.04	0.21	0.25	5.20	0.32	54
I66	0.907	1.81	117.4	VALLEY	0.97	31.00	5.14	0.04	0.26	0.28	5.70	0.23	52
I67	0.970	1.94	174.9	VALLEY	0.81	26.90	6.35	0.04	0.26	0.27	5.10	0.29	38
I68	0.292	1.33	254.9	VALLEY	0.71	21.70	5.42	0.04	0.29	0.27	4.55	0.35	30
I69	0.173	0.94	244.2	VALLEY	0.46	16.60	5.00	0.05	0.31	0.28	4.40	0.36	21
I70	0.368	1.44	116.6	VALLEY	0.78	28.00	4.52	0.05	0.30	0.27	4.90	0.28	20
I71	0.421	1.18	217.9	VALLEY	0.64	21.40	4.86	0.05	0.31	0.27	4.50	0.34	20
I72	0.206	0.81	86.0	VALLEY	0.30	13.00	5.50	0.04	0.22	0.25	4.50	0.45	52

Flood Control District of Maricopa County
Drainage Design Management System
SUB BASINS
Project Reference: SUB BASIN J FUTURE

Area ID	Sub Basin Parameters								Rainfall Losses				
	Area (sq mi)	Length (mi)	Slope (ft/mi)	S-Graph	Lca (mi)	Lag (min)	Velocity (f/s)	Kn	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)
Major Basin ID: J													
J01	7.184	5.05	462.2	VALLEY	2.13	65.30	6.81	0.06	0.29	0.31	4.25	0.51	30
J04	0.394	1.53	124.6	VALLEY	0.65	56.80	2.36	0.10	0.20	0.25	5.10	0.41	
J06	0.369	1.38	87.5	VALLEY	0.56	55.90	2.18	0.10	0.20	0.25	4.00	0.74	
J07	0.452	1.59	79.7	VALLEY	0.69	57.20	2.45	0.09	0.21	0.25	4.00	0.69	7
J08	0.096	0.96	99.2	VALLEY	0.47	44.40	1.90	0.10	0.20	0.25	5.70	0.32	
J10	0.295	0.96	54.3	VALLEY	0.46	23.20	3.63	0.05	0.29	0.29	4.00	0.53	13
J11	0.244	0.77	53.3	VALLEY	0.41	17.50	3.88	0.04	0.26	0.26	4.10	0.54	32
J12	0.411	1.88	78.3	VALLEY	0.77	57.20	2.89	0.08	0.22	0.25	4.25	0.60	13
J13	0.859	2.58	83.1	VALLEY	1.19	83.70	2.71	0.09	0.21	0.25	4.30	0.61	7
J14	2.126	3.38	146.2	VALLEY	1.80	85.40	3.48	0.08	0.23	0.26	4.30	0.57	28
J15	0.576	1.45	116.9	VALLEY	0.68	19.10	6.66	0.03	0.20	0.25	4.55	0.45	57
J16	0.269	1.01	49.7	VALLEY	0.48	14.00	6.31	0.03	0.15	0.25	4.55	0.47	67
J17	0.522	1.59	47.9	VALLEY	0.83	25.30	5.52	0.03	0.21	0.25	4.35	0.50	50
J18	0.857	1.96	53.1	VALLEY	0.82	32.40	5.31	0.04	0.21	0.25	4.40	0.49	43
J19	0.104	1.01	46.6	VALLEY	0.38	14.50	6.14	0.03	0.21	0.26	4.45	0.45	47
J20	0.715	1.26	41.3	VALLEY	0.51	22.20	4.99	0.04	0.24	0.27	6.00	0.21	64
J21	0.251	1.02	45.1	VALLEY	0.52	19.20	4.67	0.04	0.22	0.25	4.55	0.43	43
J22	1.503	1.73	45.7	VALLEY	0.64	27.50	5.53	0.04	0.28	0.29	5.20	0.28	44
J23	0.308	1.01	43.5	VALLEY	0.46	17.40	5.13	0.03	0.26	0.27	4.55	0.40	37
J24	0.193	0.88	226.8	VALLEY	0.24	9.10	8.52	0.03	0.25	0.27	5.70	0.24	46
J25	0.518	2.16	284.3	VALLEY	1.26	44.60	4.26	0.06	0.26	0.28	4.30	0.53	62
J26	0.514	1.12	446.8	VALLEY	0.52	36.80	2.68	0.10	0.20	0.25	4.10	0.72	58
J27	1.417	2.28	38.6	VALLEY	1.09	50.80	3.95	0.05	0.30	0.25	4.80	0.28	6
J28	0.950	2.78	165.8	VALLEY	1.70	45.30	5.41	0.05	0.31	0.27	4.70	0.29	7
J29A	0.340	1.45	72.6	VALLEY	0.75	20.40	6.24	0.03	0.26	0.28	4.70	0.36	38
J29B	0.146	0.71	86.8	VALLEY	0.31	10.10	6.23	0.03	0.22	0.28	4.30	0.50	73
J29C	1.001	2.17	326.9	VALLEY	0.90	19.10	9.95	0.03	0.26	0.29	4.65	0.38	55
J29D	0.434	0.96	262.4	VALLEY	0.30	11.90	7.16	0.04	0.28	0.29	5.20	0.29	39
J30	0.333	1.58	454.5	VALLEY	0.92	18.70	7.45	0.04	0.32	0.32	4.00	0.49	71
J31	0.454	1.85	356.8	VALLEY	1.22	38.50	4.22	0.06	0.26	0.27	4.00	0.59	73
J32	0.324	0.93	454.1	VALLEY	0.48	18.20	4.47	0.06	0.26	0.27	4.15	0.54	47
J33	1.338	2.38	240.0	VALLEY	0.95	60.90	3.43	0.09	0.21	0.25	4.35	0.59	42
J34	0.454	1.10	455.8	VALLEY	0.54	36.50	2.64	0.10	0.20	0.25	4.25	0.66	45
J35	0.668	1.70	316.9	VALLEY	0.77	50.80	2.95	0.10	0.20	0.25	4.45	0.57	18
J36	0.526	1.23	29.2	VALLEY	0.41	29.30	3.71	0.05	0.30	0.25	4.90	0.27	6

* Non default value

Area ID	Sub Basin Parameters								Rainfall Losses				
	Area (sq mi)	Length (mi)	Slope (ft/mi)	S-Graph	Lca (mi)	Lag (min)	Velocity (f/s)	Kn	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)
Major Basin ID: J													
J37	0.813	2.67	48.6	VALLEY	0.81	46.20	5.10	0.05	0.30	0.25	4.60	0.31	5
J38	2.079	2.95	167.2	VALLEY	1.44	47.20	5.51	0.05	0.30	0.25	4.65	0.30	6
J39	1.046	2.88	109.8	VALLEY	1.50	48.30	5.24	0.05	0.29	0.26	4.65	0.32	13
J40	0.900	1.68	203.9	VALLEY	0.96	27.70	5.35	0.04	0.30	0.28	4.90	0.30	24
J41	0.182	0.53	255.2	VALLEY	0.20	6.40	7.29	0.03	0.35	0.35	4.45	0.36	19
J42	0.201	0.56	242.4	VALLEY	0.20	7.50	6.57	0.03	0.34	0.33	4.35	0.38	32
J43A	0.365	1.26	155.7	VALLEY	0.43	15.30	7.24	0.04	0.29	0.29	4.45	0.42	29
J43B	0.108	0.50	100.2	VALLEY	0.25	10.90	4.03	0.04	0.25	0.25	4.45	0.45	67
J43C	0.122	0.44	478.6	VALLEY	0.16	5.50	7.03	0.03	0.24	0.27	4.55	0.42	53
J44	0.147	0.32	119.1	VALLEY	0.09	5.00	5.65	0.03	0.32	0.32	4.70	0.33	14
J45	0.322	0.83	129.8	VALLEY	0.35	13.90	5.25	0.04	0.27	0.28	4.60	0.39	55
J46	0.564	1.99	160.6	VALLEY	1.02	23.70	7.40	0.03	0.24	0.28	4.60	0.40	64
J47	0.456	1.63	86.0	VALLEY	0.72	24.30	5.90	0.04	0.24	0.27	4.90	0.35	37
J48	0.869	1.78	78.5	VALLEY	0.90	33.90	4.63	0.05	0.26	0.27	4.55	0.42	44
J49	0.191	0.63	191.7	VALLEY	0.25	9.20	6.00	0.04	0.23	0.28	4.25	0.51	52
J50	0.588	1.23	292.9	VALLEY	0.30	13.40	8.07	0.04	0.31	0.31	4.10	0.48	55
J51	0.166	0.72	251.0	VALLEY	0.37	15.80	3.99	0.05	0.28	0.25	4.00	0.48	70
J52	0.182	0.51	1.9	VALLEY	0.22	19.50	2.32	0.04	0.24	0.27	4.45	0.44	41
J53	0.050	0.48	305.3	VALLEY	0.21	10.10	4.13	0.05	0.25	0.25	4.55	0.42	55
J54	0.219	0.91	253.9	VALLEY	0.45	35.80	2.23	0.10	0.20	0.25	4.40	0.60	11

Area ID	Sub Basin Parameters								Rainfall Losses				
	Area (sq mi)	Length (mi)	Slope (ft/mi)	S-Graph	Lca (mi)	Lag (min)	Velocity (f/s)	Kn	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)
Major Basin ID: X													
X01	1.514	2.28	320.7	VALLEY	1.14	69.10	2.90	0.10	0.20	0.25	4.50	0.57	43
X02	1.497	2.34	140.8	VALLEY	1.12	52.80	3.91	0.07	0.27	0.30	4.50	0.45	42
X03	1.003	1.54	358.3	VALLEY	0.50	24.70	5.47	0.06	0.29	0.31	4.20	0.52	49
X04	0.965	2.40	340.0	VALLEY	1.17	23.90	8.81	0.03	0.34	0.33	4.65	0.32	37
X05	0.316	1.60	90.7	VALLEY	0.79	28.10	5.01	0.04	0.29	0.30	5.70	0.22	16
X06	1.027	2.30	317.1	VALLEY	1.37	26.90	7.54	0.04	0.32	0.32	4.30	0.42	42
X07	2.104	4.20	442.6	VALLEY	2.42	33.90	10.92	0.03	0.34	0.34	3.95	0.47*	52
X08	0.395	1.18	1663.8	VALLEY	0.67	9.60	10.75	0.03	0.35	0.35	3.95	0.47*	65
X09	0.348	1.10	1885.2	VALLEY	0.59	8.70	11.06	0.03	0.35	0.35	3.95	0.47*	65
X10	0.213	0.96	1966.7	VALLEY	0.54	8.00	10.61	0.03	0.35	0.35	3.95	0.47*	65
X11	0.295	1.39	502.9	VALLEY	0.67	15.50	7.91	0.04	0.32	0.32	4.55	0.36	32
X12	0.237	1.27	643.3	VALLEY	0.72	14.20	7.83	0.04	0.33	0.33	4.00	0.48	54
X13	3.723	4.62	547.4	VALLEY	2.80	34.50	11.79	0.03	0.35	0.35	4.20	0.42	29
X14	0.193	1.38	290.9	VALLEY	0.81	47.50	2.55	0.09	0.21	0.25	4.20	0.65	18
X15	0.194	0.98	203.7	VALLEY	0.45	38.40	2.25	0.10	0.20	0.25	4.10	0.72	39
X16	0.277	0.79	583.8	VALLEY	0.32	12.00	5.80	0.05	0.27	0.27	4.30	0.48	59
X17	0.462	0.99	271.6	VALLEY	0.58	8.90	9.87	0.02	0.11	0.25	4.65	0.46	79
X18	0.413	1.15	296.4	VALLEY	0.50	19.80	5.11	0.05	0.25	0.25	4.60	0.40	32

* Non default value

D.3 FLO-2D ANALYSIS

Dibble Engineering

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Registered Professional Engineer (Civil) CERTIFICATE NO. 35888 DANIEL C. FRANK Date Signed 10-5-10 ARIZONA, U.S.A. Expires 03/31/13

Technical Memorandum

To:	Elliot Silverston, P.E. (URS – Phoenix)	**Date:**	10-05-2010
Copy:	Marc McIntosh, P.E. (URS – Phoenix)		
From:	Lance Webb, P.E., CFM – Project Engineer	**Project No:**	FCD Contract 2006C029
	Dan Frank, P.E. – Project Manager		
Subject:	FLO-2D Flow Split Analysis – Preliminary Runs		

FLO-2D was used as a modeling tool for defining 100-year flow splits ratios at 4 locations within the Rainbow Valley ADMP (FCD Contract 2006C029) study area where conventional analysis tools for flow splits do not provide adequate results. FLO-2D is a 2-dimensional modeling hydrodynamic software used for delineating flood hazards, regulating floodplain zoning, or designing flood mitigation. The model software simulates river overbank flows and is also used for unconventional flooding problems such as unconfined flows over complex alluvial fan topography. The software concept is a volume conservation model that distributes a flood hydrograph over a grid element system.

Initially four criteria were considered in determining flow split locations: drainage area, topography, location, and flow magnitude. The larger the contributing drainage area, the greater the flow magnitude involved which necessitates a more accurate evaluation of the flow distribution. The second criterion of topography was considered because flatter areas would have a greater benefit from two dimensional flow modeling because backwater could impact the flow distribution. The location of the flow split was the third criterion examined. If the location of the split was in the Sonoran Desert National Monument or other areas not subject to development, the flow diversions at these locations were not included for the two-dimensional analysis.

The 20 largest flow magnitudes were selected for the two-dimensional flow analysis. The other three criteria were then applied to determine if these would be recommended for the two dimensional analysis. The preliminary flow split locations were presented and discussed with the project team prior to performing the analysis.

It was decided by the project team that four additional criteria would be applied to reduce the locations of flow splits analyzed with FLO-2D from the initial 20 locations. Those four criteria were: peak flow rate, planned development, location as it relates to the initial 20 locations and in relation to the railroad, and locations of alluvial fans to be studied by J.E. Fuller. From this discussion, 4 locations were determined to qualify for a two dimensional analysis. These 4 locations are the areas studied and presented in this study. The figure below presents the location of these study areas in relationship to Waterman Wash and Maricopa Road (SR 238).

These flow split volumes were then determined and used for modeling purposes within HEC-1 using DI and DQ records for diversions. Below is a discussion of each of the aspects of this analysis including, assumptions, approaches, and results.

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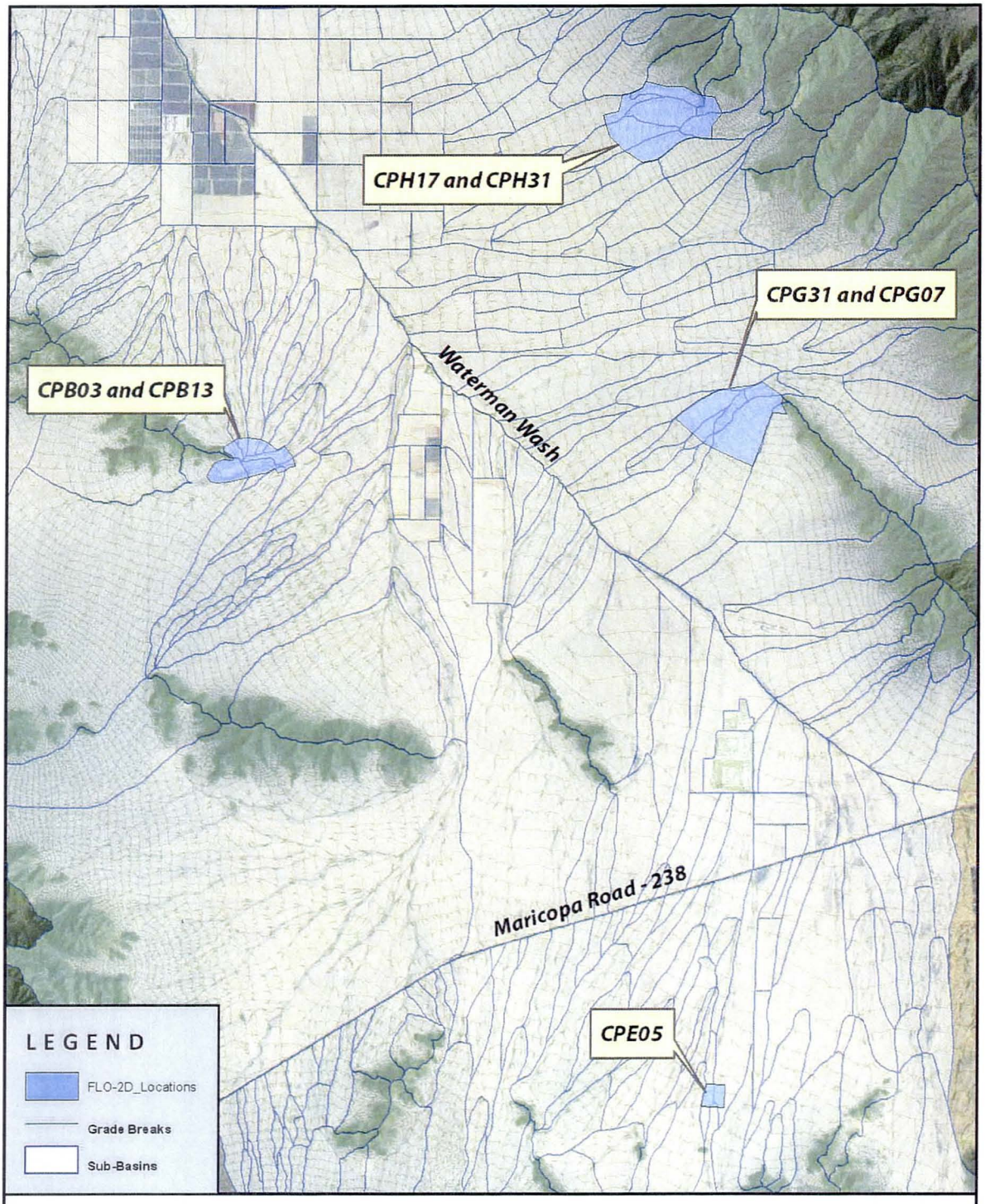

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Elevation Data

Line and point files from the FCDMC were provided by URS, with a 2-foot contour interval spacing. Line files were provided as breaklines to add given definition to wash corridor thalwegs. Point files were used with a general spacing of 2-feet to supplement the FLO-2D models. Line files and point files were edited to remove unnecessary and incompatible data and were converted into point (.pnts) files which were then in turn imported to generate elevation points in FLO-2D for modeling purposes. Due to the size of the .pnts files, several .pnts files were created for importing the elevation data to FLO-2D.

To supplement the modeling for flow split area CPB03CPB13, 10-foot contour interval data was used along the western project boundary where 2-foot point and line files were not available. Additional specific survey was requested by Dibble Engineering to add local elevation data at major stream overbank and thalwegs within wash corridors. These files were modified, formatted, and imported as .pnts files to FLO-2D.

Once all relevant elevation data was imported as .pnts files into the Grid Development System (GDS), contour point elevations were interpolated as elevation points for each grid element in the model. Default values were used for filtering and grid element elevation interpolation.

Grid Mesh System

A grid mesh system was created by importing ESRI shapefiles of each of the flow split locations. For each flow split location, a grid element mesh system was generated with a spacing of 20-feet (20-feet by 20-feet). It was determined that a 20-foot grid mesh provided a good balance for the degree of accuracy and detail along with a workable model. It should be noted that 20-feet was also selected to reflect an acceptable data resolution for output graphics without compromising detail or having increased run times. Small grid elements with steep hydrographs and large peak flows require small time steps during modeling. Each grid element is made up of an algorithmic elevation based on DTM points and data, a Manning's n-value, water surface elevation, flow depth, a numerical ID, direction of flow, and flow velocity.

Roughness Coefficient

For the preliminary runs, a default Manning's n-value of 0.040 was used for the flow splits. It is believed that this value is acceptable for the preliminary runs given that the areas being analyzed are not developed and lack heavy vegetation. The n-value of 0.040 seems to give an overall good representation of the physical systems being analyzed. Manning's n-values were spatially selected based on a site visit, aerials, and photos to quantify roughness coefficients used for final modeling.

Rainfall Losses

Green and Ampt infiltration parameters were not defined with this study since the purposes of this study were not to determine rainfall losses experienced due to soils conditions and land use types. This study focused primarily on flow splits and the creation of rating curves to be used for use as DI and DQ during hydrologic modeling.

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Inflow Elements

FLO-2D allows the user to define points of inflow by importing hydrographs from HEC-1 and creating a .hyd file. At the recommendation of URS, inflow locations were determined based on concentration points within the existing HEC-1 models, previously prepared for the Watermann Wash FDS. Hydrographs for inflow points were modeled as 100-year, 24-hour storm events. Where possible, inflow locations were modeled, as best could be determined, at actual concentration points. Where concentration points occurred at the grid mesh boundary, the inflow node was located to best capture the flow splits that occurred within the model. Inflow element locations will be revised with updated hydrographs once review comments are provided for the hydrology of the Rainbow Valley ADMS.

Outflow Elements

Outflow nodes were not limited to wash corridors but, specified at all possible downstream grid elements to allow flows to pass freely from the model. In FLO-2D, outflow nodes act as sinks and are calculated to pass flow from the modeling boundary using normal depth condition calculations. To minimize the possibility of a backwater affect occurring during modeling, all flows entering the model were allowed to discharge from the model at downstream grid elements.

Floodplain Cross Sections

Model were initially run without cross sections to view the extents of flow depth and flow velocities to accurately capture locations of anticipated flow splits. Floodplain cross sections were then created with the models based on the extents of flooding (flow depths greater than 1-foot) to capture the flows expected at flow split locations. Models were then run again in FLO-2D with cross sections. Floodplain cross sections were created at locations where flows split to two different delineated drainage boundaries. For each area where a flow split occurred, three cross sections were drawn. The first cross section was drawn upstream of the flow split location to represent the total flow before the split for comparison purposes. The second and third cross sections drawn for each flow split represent collectively the flows from the upstream cross section. Combined hydrographs for the two downstream cross sections were compared with the upstream cross section to see that hydrographs were generally comparable in size and flow magnitude.

DI and DQ Records

As mentioned in the floodplain cross sections above, three cross sections were prepared to quantify the flows experienced at flow split locations. The two downstream cross sections were combined and compared to the upstream cross section. The combined hydrograph for the flow split location was used as the DI record in HEC-1 and one of the downstream cross sections is used as the DQ record to be used as the HEC-1 diversion for hydrologic modeling purposes. For the purposes of these analyses, all DI and DQ record flow readings are presented for use in the HEC-1 modeling. Flows and timing for cross sections were read from the HYCROSS.out files at increments of 0.10 hours for the full extent of the hydrograph. Approximately 240 time increments were provided with each flow split location and used to define DI and DQ records. HEC-1 is limited to 20 DI and DQ records per diversion and therefore the records chosen for hydrologic modeling should give a good representation of a variety of flows up to the peak flow rate.

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Flow Splits

During the initial runs, it was determined that other flow split locations occurred that were not initially accounted for. These areas have been included with this analysis to be used at the discretion of URS for modeling. In particular, several areas for flow splits CPB03 CPB13 areas, CPG07CPG31 areas, and CPH17CPH31 areas all showed significant amounts of flow exceeding the banks of wash corridors.

Model Assumptions and Limitations

Several modeling assumptions have already been discussed within this memorandum. To apply the FLO-2D model to the Rainbow Valley flow split locations, several assumptions regarding the data base and model capabilities had to be incorporated into the simulation. The primary assumptions pertains to the selected grid size 20-ft x 20-ft. Small variations in the topography within each grid element are neglected.

FLO-2D control variables were maintained primarily at default values provided with FLO-2D for global data modifications. Values such as the area reduction factor, flow depth for depth duration analysis, and bulking concentration factors were maintained at a 0 value.

A maximum Froude number of 2.00 was assigned. The purpose in limiting the Froude number to 2.0 during modeling is intended to allow sufficient play in reduce velocities by increasing the roughness coefficient. For practical purposes, the Froude number does not generally exceed a 1.0 (break for supercritical flows) in alluvial fans with sand bed surfaces.

Numeric stability parameters were maintained at 0.10 for surface detention and 0.10 for the percent change in flow depth. Default values for the dynamic wave stability criteria are generally assigned a 0.25 value. A value of 1.00 was assigned for the wave stability factor when modeling. This approach supports a more stable but slower running model.

As discussed earlier, a Manning's value of 0.040 was used to represent the roughness for the modeled surface. Where wave stability criteria specified for the modeling is exceeded and the model time steps are not decreased, floodplain Manning's n values are incremented at a value of 0.002 to achieve dynamic wave stability. N-value increases are used to resolve mismatches between the specific discharge, slope, and flow area instead of reducing the time step.

For overland flow, the roughness n value is generally assigned for peak flow hydraulic conditions. To more accurately simulate overland sheet flow, a shallow flow n value of 0.20 (as recommended in the FLO-2D manual) was also assigned for flow depths less than 0.20-feet. This assignment improves arrival times for overland flow on alluvial fan-like terrain. This value supersedes the floodplain grid element n value of 0.040 when the flow depth is less than 0.20-feet. Model assumptions and parameters used in these analyses have been summarized in **Table 1** below.

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TABLE 1: MODELING PARAMETERS AND ASSUMPTIONS

Flow Split Location	Grid Element Size	Dynamic Wave Stability Coefficient	Maximum Froude Number	Bulking Concentration Factor	Area Reduction Factor	Flow Depth for Depth Duration	Surface Detention	% Change in Flow Depth	Incremental n Value	Shallow n Value
CPB03 and CPB13	20' x 20'	1	2.00	0	0	0	0.10	0.20	0.002	0.20
CPE05	20' x 20'	1	2.00	0	0	0	0.10	0.10	0.002	0.20
CPG31 and CPG07	20' x 20'	1	2.00	0	0	0	0.10	0.10	0.002	0.20
CPH17 and CPH31	20' x 20'	1	2.00	0	0	0	0.10	0.10	0.002	0.20

Results

As discussed earlier, four defined areas were studied for flow splits. Results for the flow split analyses were checked for appropriate floodplain storage attenuation that should have occurred during modeling. In general, it was found that the mass balance of the inflow-outflow volumes were representative of those anticipated in an overland-sheet flow condition. Manning's n values remained relatively consistent with the assigned 0.040 value. Flow velocities ranged typically from 1 to 4.50 feet per second with higher velocities experienced within defined wash corridors. Maximum flow depths and maximum velocities for grid elements (shaded contours) are exhibited in figures of the provided attachments. Relevant FLO-2D output files have been provided with the attached disk of this study for review. Schematics are also provided with each flow split. Each of the four flow split analyses including DI-DQ cards, Diversion Hydrograph Graphs, and FLO-2D output flows relative to incremental time steps have been included as attachments to this memorandum. Supplemental flow split analyses are also included as separate attachments to be used as deemed necessary by URS for hydrologic modeling purposes.

CPB03, CPB13

Seven locations were studied for flow splits within this area. **Table 2** below shows the corresponding labels as they relate to the HEC-1 modeling. Flows split at northerly (peak flow of 5000 cfs) and southerly (peak flow of 3993 cfs) at the western boundary of this study area. Flows breaking northerly are distributed by flow splits to watershed boundaries along the northern boundary of the study area (See figures and schematic for CPB03,

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CPB13 in **Attachment 1**). Flows breaking south continue easterly to Sub Basin B13 and then split at Sub Basins B14 and B05.

TABLE 2: FLOW SPLITS ANALYZED FOR CPB03, CPB13				
Table	**DT**	**DI**	**DQ**	**Difference**
Table 1	DVH17	DH17	H32	H30
Table 2	DVH31	DH31	H33	H32
Table 3	DVH15A	DH15A	H33	CPH31
Table 4	DVH31A	DH31A	H31	H32
Table 5	DVH05	DH05	H33	H31
Table 6	DVH30A	DH30A	H32	H30
Table 7	DVH33A	DH33A	H33	H32

CPE05

One flow split location was evaluated for this study area. **Table 3** below shows the corresponding labels as they relate to the HEC-1 modeling. Flows split westerly into Sub-Basin E24 (peak flow of 915 cfs) and easterly into Sub-Basin E25 (peak flow of 1,408 cfs) from the northern boundary of Sub- Basin E05. See the figures and schematics for CPE05 in the supporting **Attachment 2**.

TABLE 3: FLOW SPLITS ANALYZED FOR CPE05				
Table	**DT**	**DI**	**DQ**	**Difference**
Table 1	DVE05	CPE05	E24	E25

CPG07, CPG31

Seven locations were studied for flow splits in this area. **Table 4** below shows the corresponding labels as they relate to the HEC-1 modeling. There are two primary inflow locations along the north eastern boundary of this study area. Flows from CPG07 split both south to Sub-Basin G30 and southwest to Sub-Basin G43. Flows at inflow location CPG31 break three ways across Sub-Basins G13 (westerly split), G47 (southwesterly split), and G43 (southerly split). See the figures, schematics, and FLO-2D output tables and graphs for CPG07, CPG31 in the supporting **Attachment 3**.

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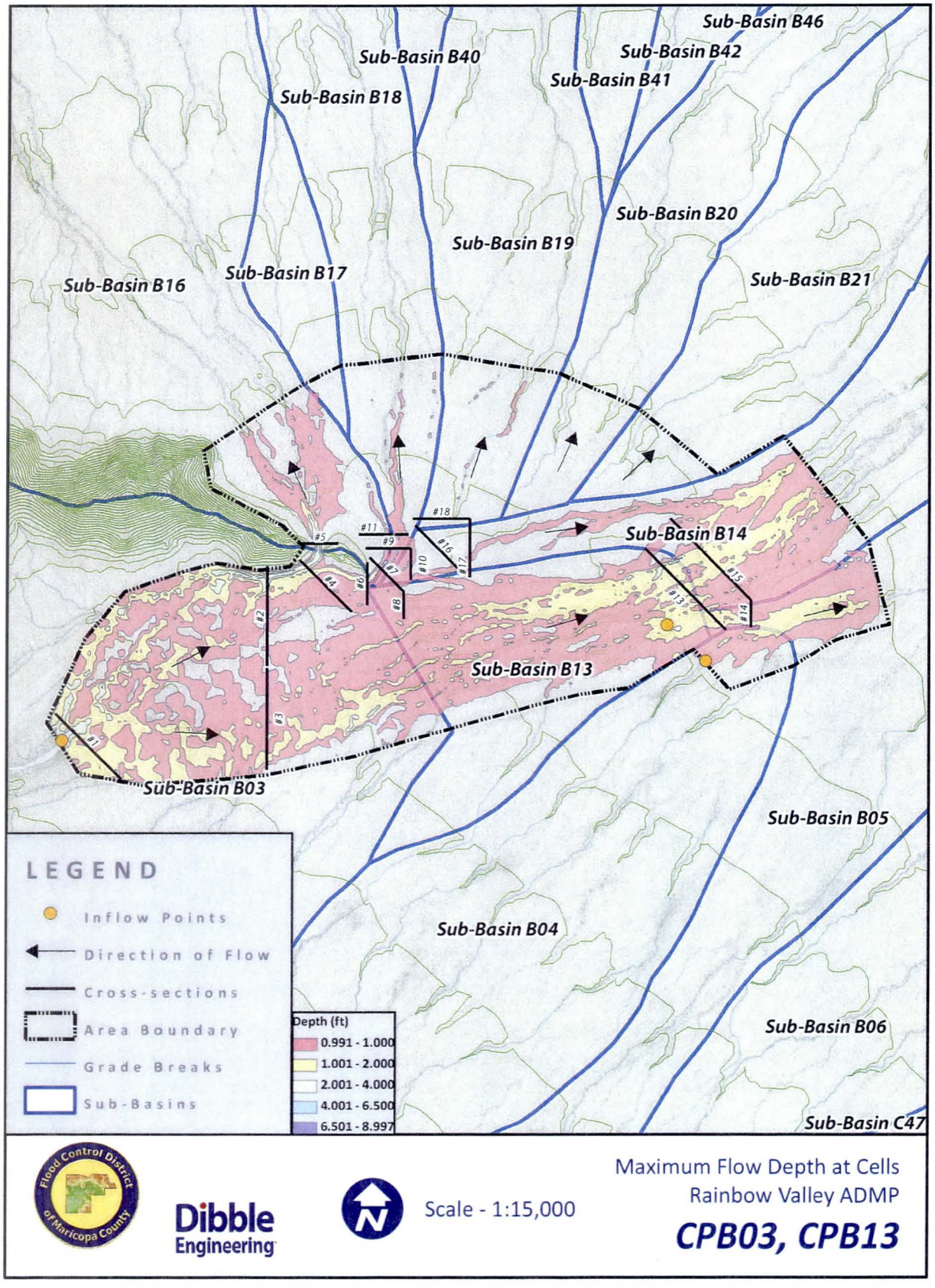
TABLE 4: FLOW SPLITS ANALYZED FOR CPG07, CPG31				
Table	**DT**	**DI**	**DQ**	**Difference**
Table 1	DVG07E	DG07E	G30	G43
Table 2	DVG07W	DG07W	G47	G43
Table 3	DVG31W	DG31W	G13	G47
Table 4	DVG31E	DG31E	G43	G47
Table 5	DVG13	DG13	G13	G14
Table 6	DVG47E	DG47E	G14	G47
Table 7	DVG47	DG47	G32	G43

CPH17, CPH31

Seven locations were studied for flow splits in this area. **Table 5** below shows the corresponding labels as they relate to the HEC-1 modeling. There are four inflow locations along the northern and eastern boundaries of this study area. Flows from CPH17 split primarily to Sub-Basins H30 and H32. Inflows fromCPH05 break westerly in an alluvial sheet flow pattern to Sub-Basins H15 and H31. Inflows from Sub-Basin H15 splits into Su-Basins H33 and H32. See the figures, schematics, and FLO-2D output tables and graphs for CPH17, CPH31 in the supporting **Attachment 4**.

TABLE 5: FLOW SPLITS ANALYZED FOR CPH17, CPH31				
Table	**DT**	**DI**	**DQ**	**Difference**
Table 1	DVH17	DH17	H32	H30
Table 2	DVH31	DH31	H33	H32
Table 3	DVH15A	DH15A	H33	CPH31
Table 4	DVH31A	DH31A	H31	H32
Table 5	DVH05	DH05	H33	H31
Table 6	DVH30A	DH30A	H32	H30
Table 7	DVH33A	DH33A	H33	H32



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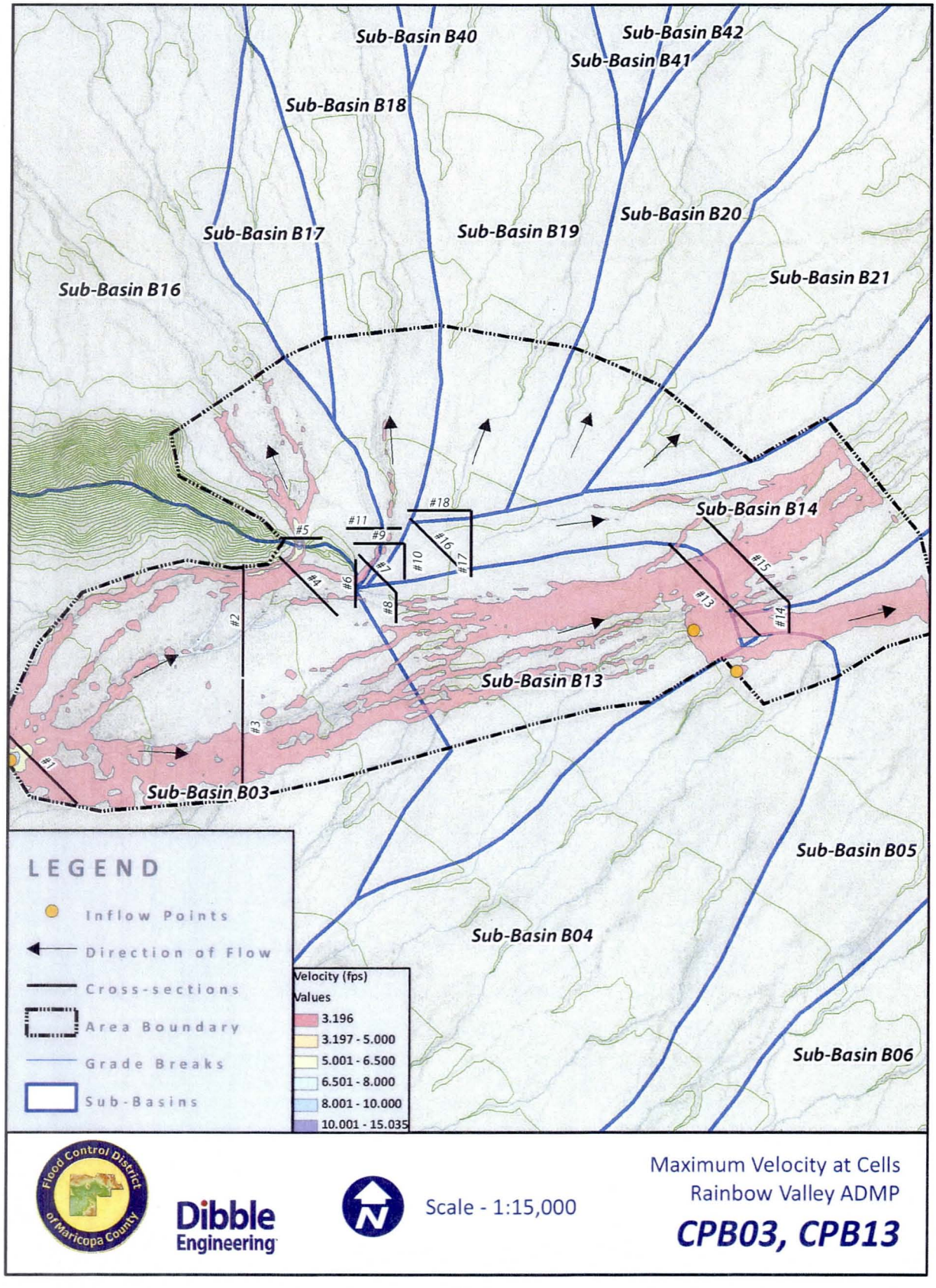
Scale - 1:15,000

Maximum Flow Depth at Cells
Rainbow Valley ADMP

CPB03, CPB13


Sub-Basin B40
Sub-Basin B42
Sub-Basin B41
Sub-Basin B18
Sub-Basin B17
Sub-Basin B19
Sub-Basin B20
Sub-Basin B16
Sub-Basin B21
Sub-Basin B14
Sub-Basin B13
Sub-Basin B03
Sub-Basin B05
Sub-Basin B04
Sub-Basin B06
#1
#2
#3
#4
#5
#6
#7
#8
#9
#10
#11
#13
#14
#15
#16
#17
#18
LEGEND
Inflow Points
Direction of Flow
Cross-sections
Area Boundary
Grade Breaks
Sub-Basins
Velocity (fps)
Values
3.196
3.197 - 5.000
5.001 - 6.500
6.501 - 8.000
8.001 - 10.000
10.001 - 15.035
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Dibble Engineering
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Scale - 1:15,000
Maximum Velocity at Cells
Rainbow Valley ADMP
CPB03, CPB13

Attachment 1

CPB03 and CPB13 Flow Splits

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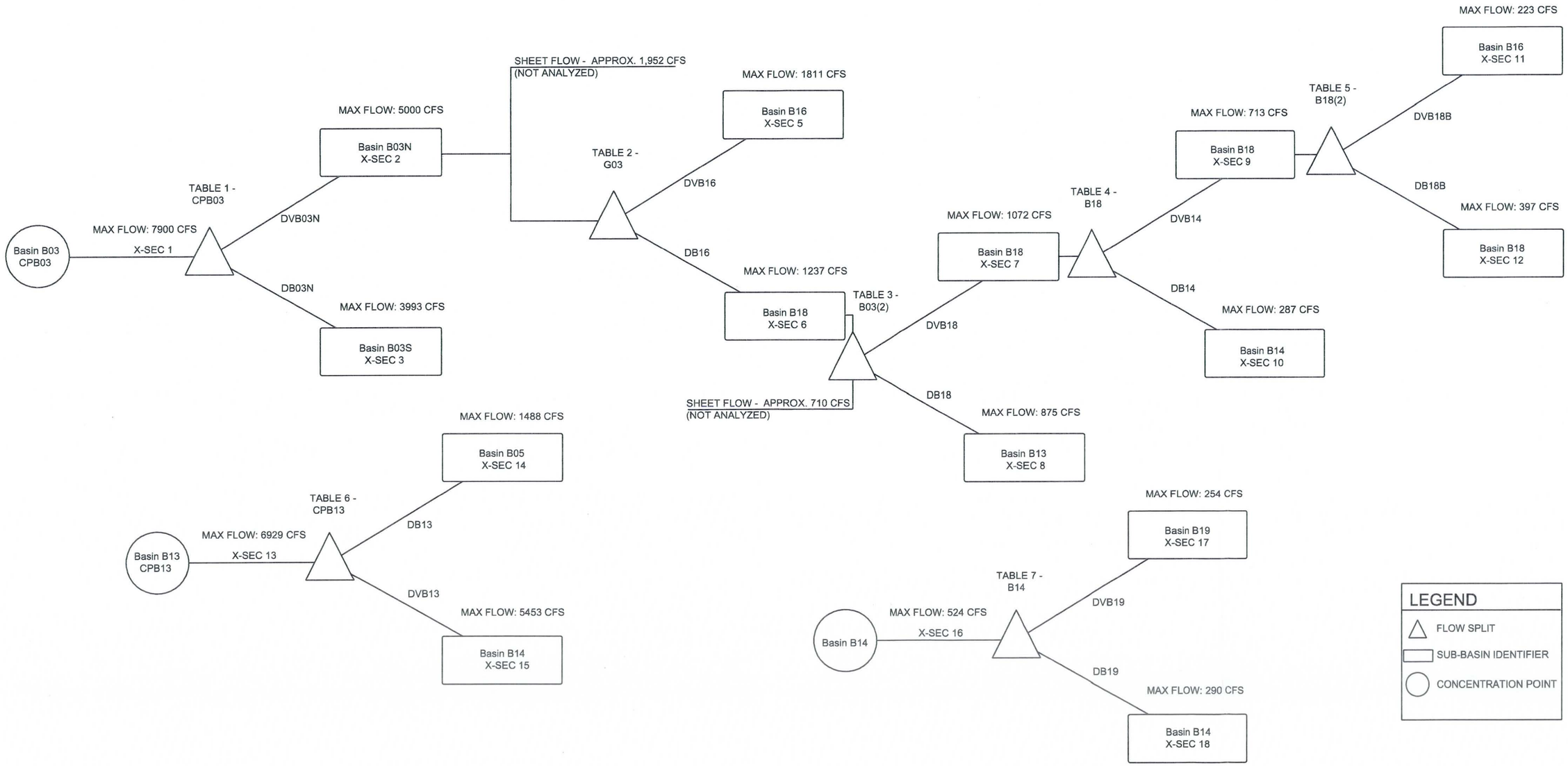
CPB03CPB13



FILE: C:\WR0...\Flow Diversion Schematic.dwg DATE:Dec 27, 2006 TIME:12:39 PM (by:lor...)

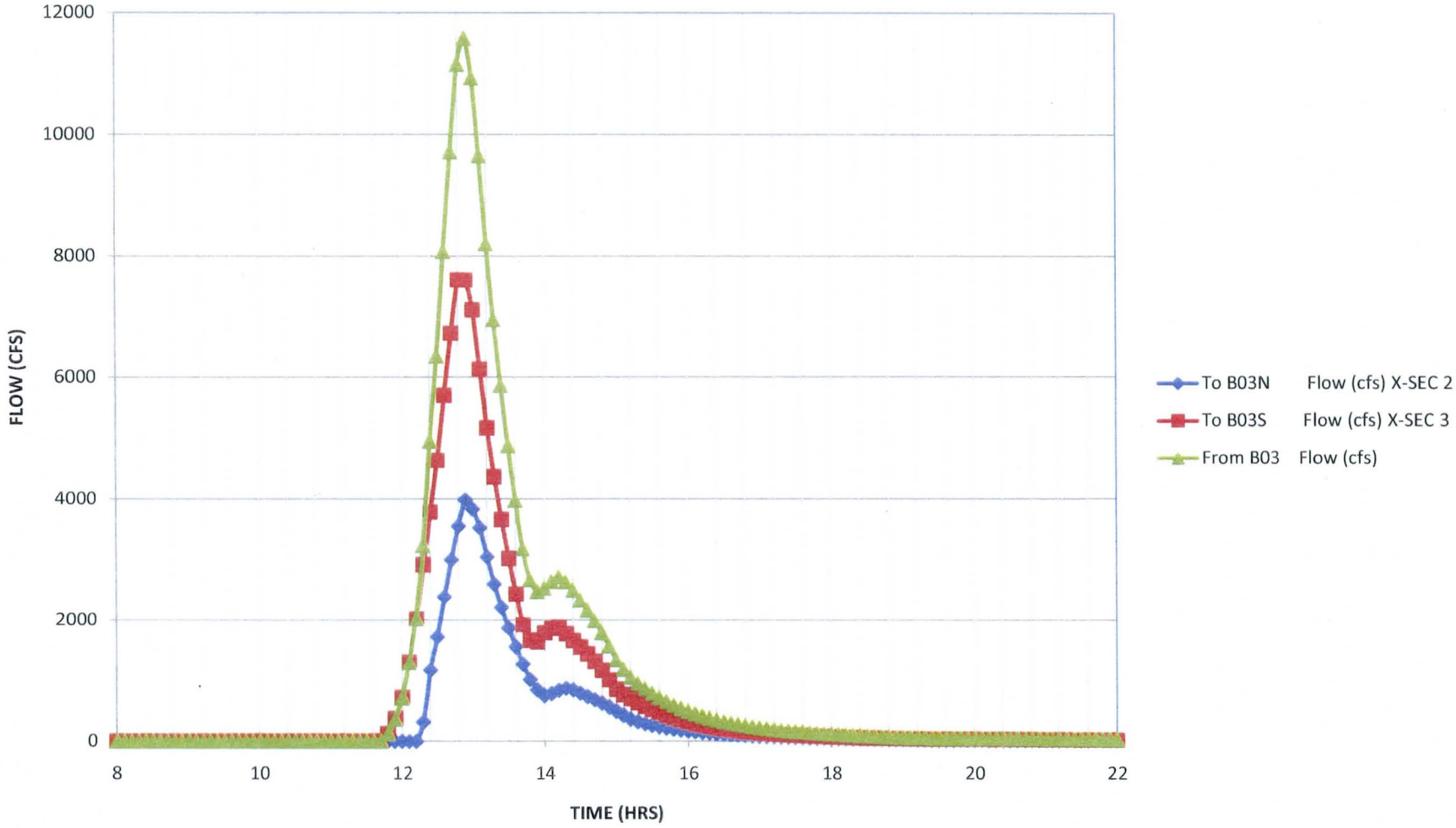
Sub-Basin: DB03N

Table 1 - DB03N

DI	DQ (to B03N)	Difference (to B03S)
0	0	0
0	0	0
32	12	21
91	39	52
221	87	134
784	264	520
1565	563	1002
2333	789	1544
2633	871	1761
3181	1268	1913
3977	1553	2424
4882	1865	3017
5865	2208	3657
6959	2595	4364
8210	3043	5167
9655	3525	6130
10942	3828	7114
11588	3984	7605

*This split flow location (X-SEC 2 and 3) simulates a diversion from Basin B03 to Basin B03.

100-YEAR, 24-HOUR FLO-2D HYDROGRAPHS FOR CROSS SECTIONS 2 AND 3 - DB03N



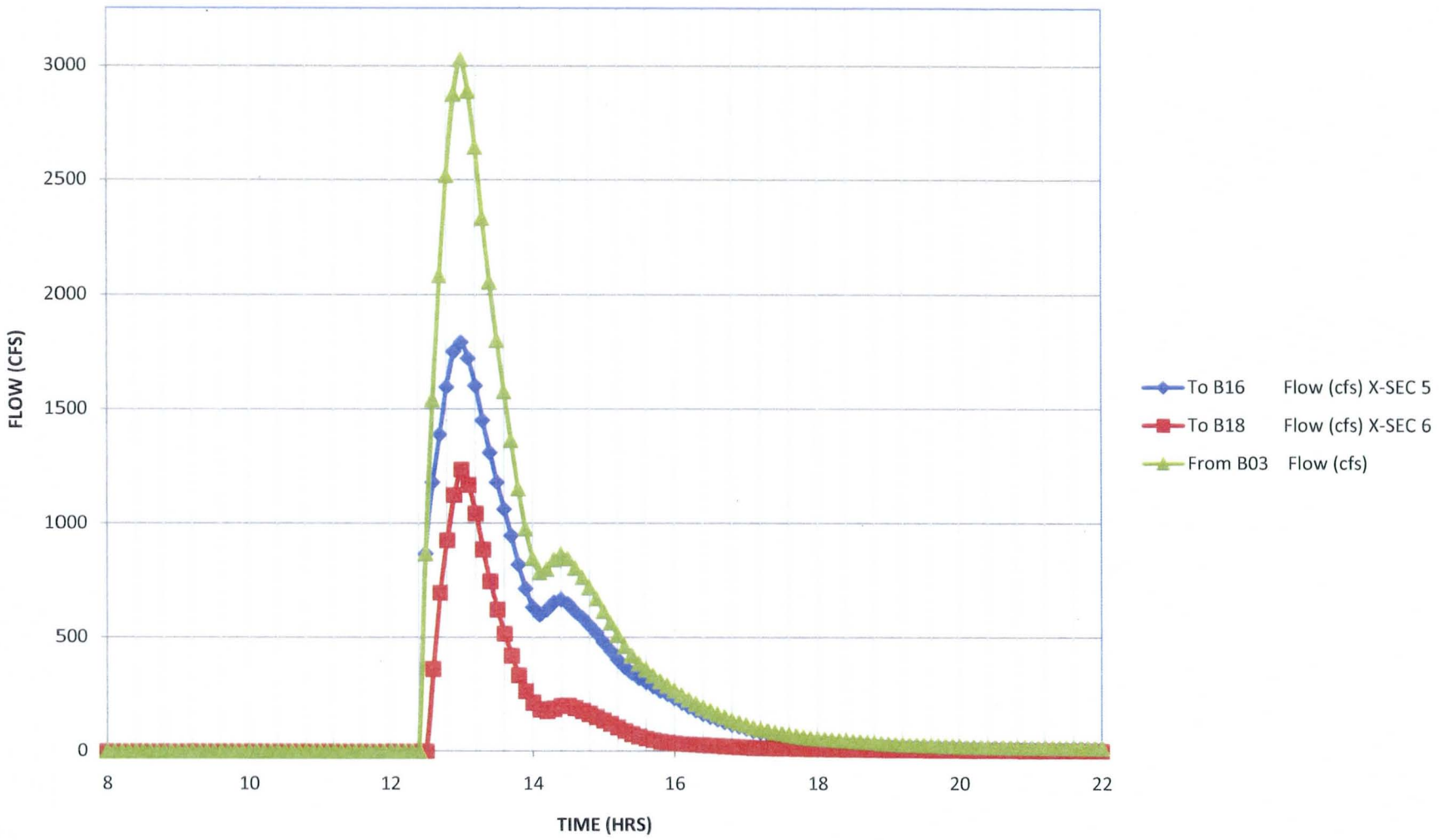
Sub-Basin: DB16

Table 2 - DB16

DI	DQ (to B16)	Difference (to B18)
0	0	0
8	7	0
56	47	9
93	79	14
129	111	18
248	215	32
421	344	77
671	519	152
847	647	200
977	714	262
1153	820	333
1364	947	418
1576	1062	514
1802	1182	621
2056	1311	745
2335	1450	884
2644	1601	1042
3029	1793	1236

*This split flow location (X-SEC 5 and 6) simulates a diversion from Basin B03 to Basin B16.

100-YEAR, 24-HOUR FLO-2D HYDROGRAPHS FOR CROSS SECTIONS 5 AND 6 - DB16



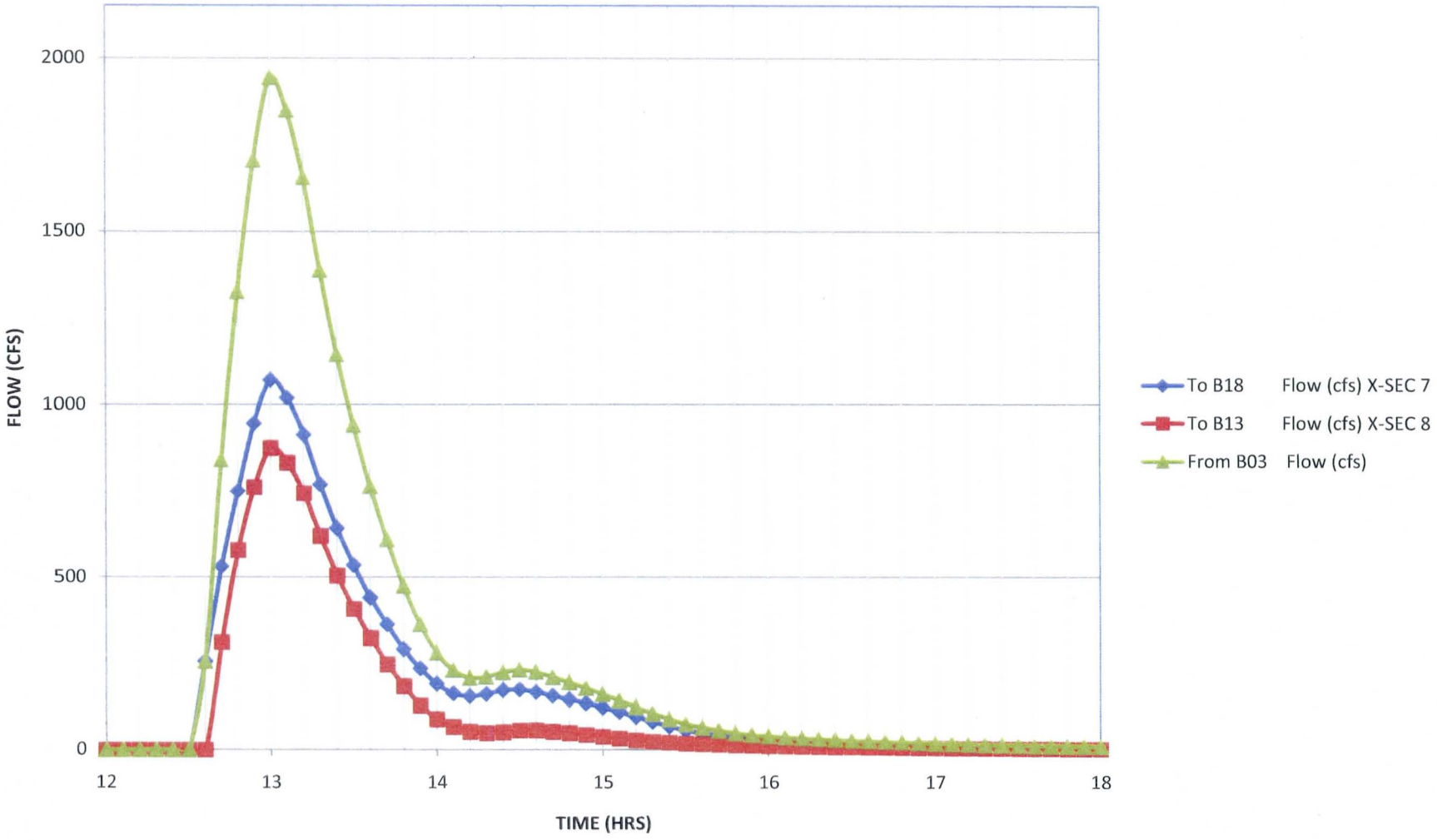
Sub-Basin: DB18

Table 3 - DB18

DI	DQ	Difference
	(to B18)	(to B13)
0	0	0
0	0	0
9	7	2
15	11	4
21	15	6
37	27	11
90	69	21
179	136	43
232	175	57
363	235	128
475	291	183
610	363	246
763	441	323
942	535	406
1146	642	504
1388	769	618
1656	913	742
1945	1071	874

*This split flow location (X-SEC 7 and 8) simulates a diversion from Basin B03 to Basin B18.

100-YEAR, 24-HOUR FLO-2D HYDROGRAPHS FOR CROSS SECTIONS 7 AND 8 - DB18



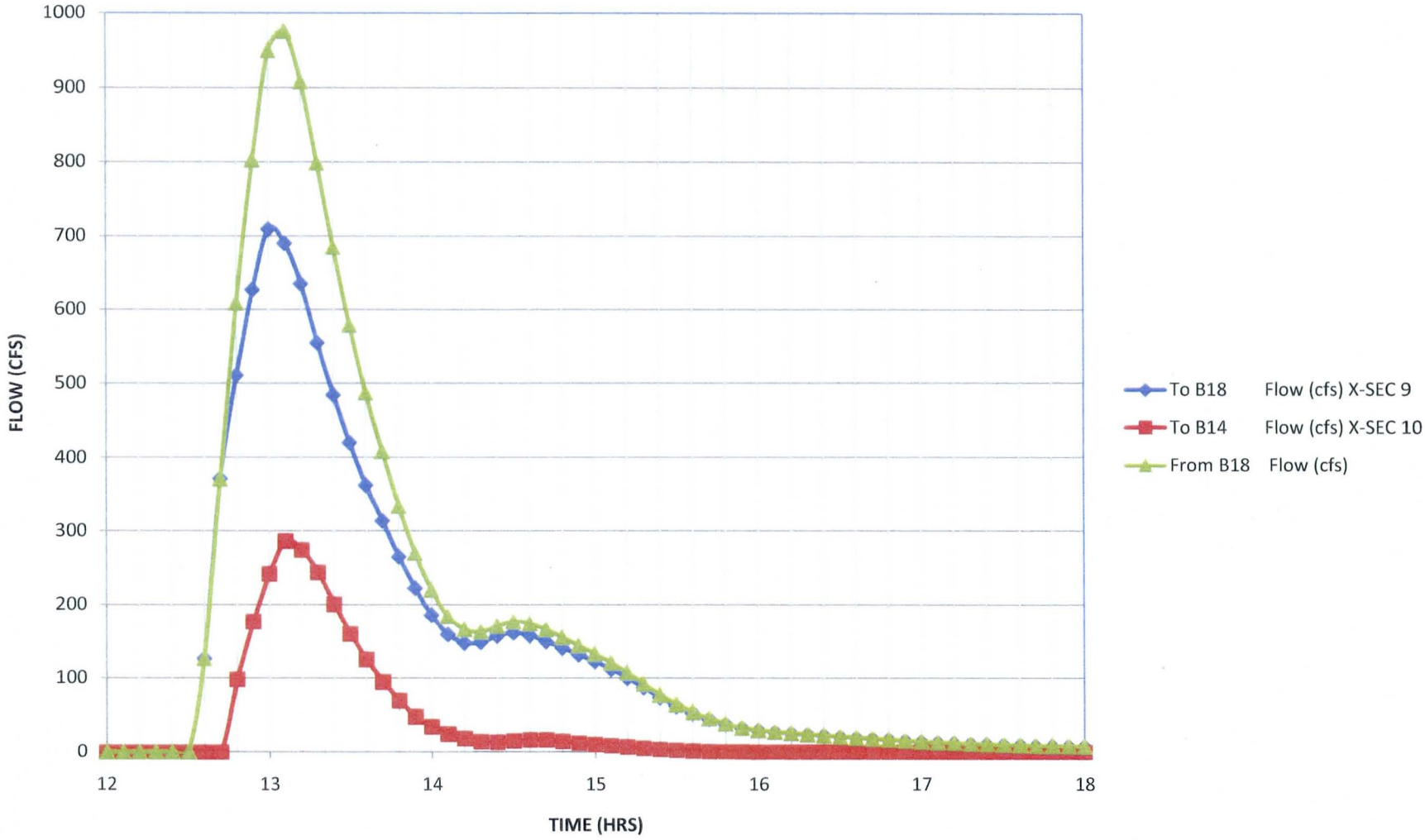
Sub-Basin: DB14

Table 4 - DB14

DI	DQ (to B18)	Difference (to B14)
0	0	0
7	7	0
11	11	0
16	16	0
28	28	0
77	73	4
144	132	12
177	161	15
270	222	48
334	265	69
408	314	94
487	362	125
579	420	160
684	484	200
799	555	244
803	626	177
909	635	274
951	709	241

*This split flow location (X-SEC 9 and 10) simulates a diversion from Basin B18 to Basin B18.

100-YEAR, 24-HOUR FLO-2D HYDROGRAPHS FOR CROSS SECTIONS 9 AND 10 - DB14



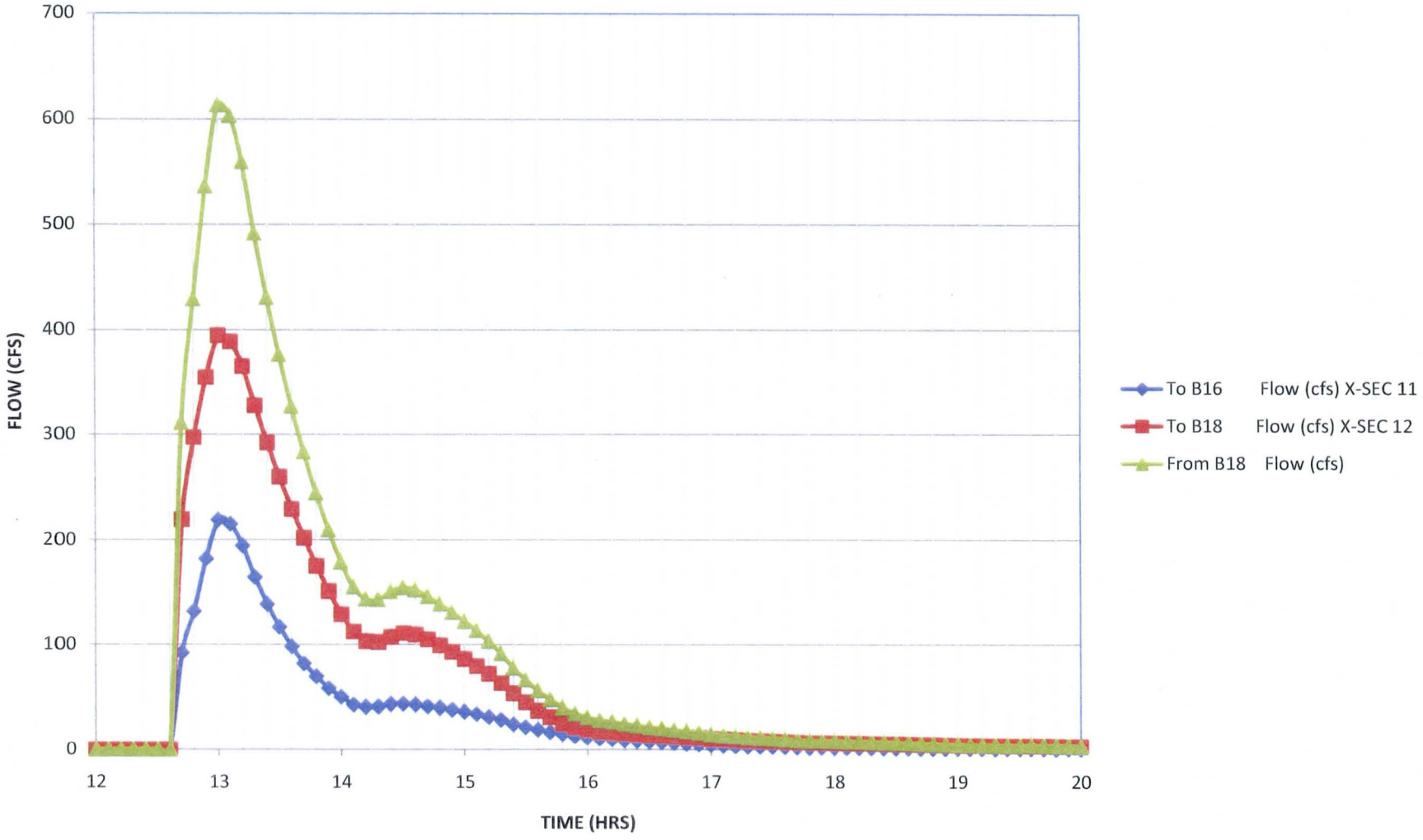
Sub-Basin: DB18B

Table 5 - DB18B

DI	DQ	Difference
	(to B16)	(to B18)
0	0	0
8	2	6
12	3	9
16	5	11
28	11	17
78	24	53
131	38	93
155	44	111
210	58	151
245	70	175
284	82	202
327	98	229
377	117	260
431	139	292
492	165	327
536	182	354
559	194	365
614	219	394

*This split flow location (X-SEC 11 and 12) simulates a diversion from Basin B18 to Basin B16.

100-YEAR, 24-HOUR FLO-2D HYDROGRAPHS FOR CROSS SECTIONS 11 AND 12 - DB18B

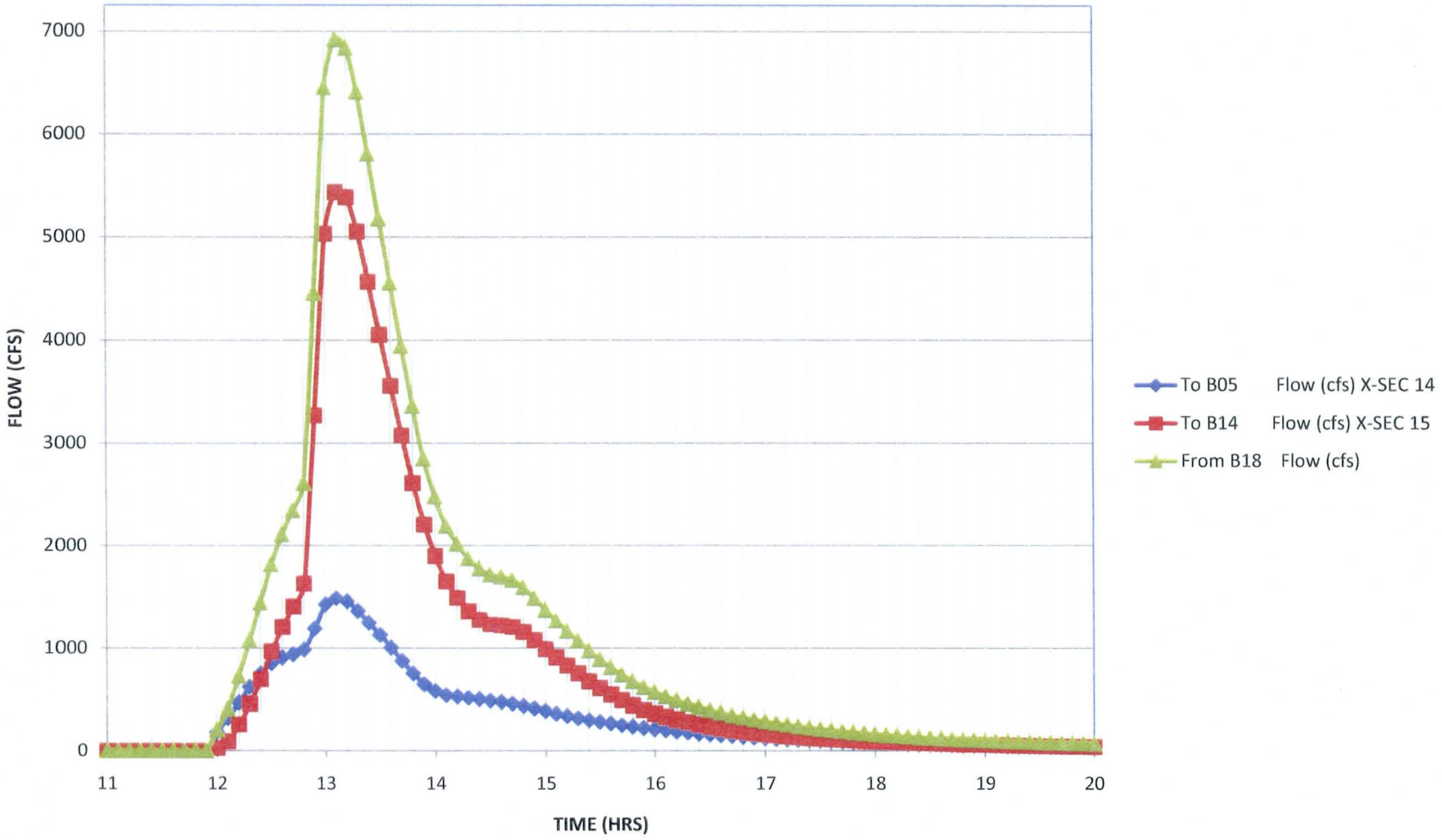


Sub-Basin: DB13 Table 6 - DB13

DI	Difference	DQ
	(to B05)	(to B14)
0	0	0
156	71	84
242	110	132
308	134	174
530	201	328
973	301	673
1488	415	1074
1717	489	1228
2190	542	1648
2849	648	2201
3362	754	2608
3945	875	3070
4555	1003	3552
5178	1128	4051
5809	1248	4561
6416	1363	5053
6840	1457	5384
6923	1488	5435

*This split flow location (X-SEC 14 and 15) simulates a diversion from Basin B13 to Basin B14.

100-YEAR, 24-HOUR FLO-2D HYDROGRAPHS FOR CROSS SECTIONS 14 AND 15 - DB13

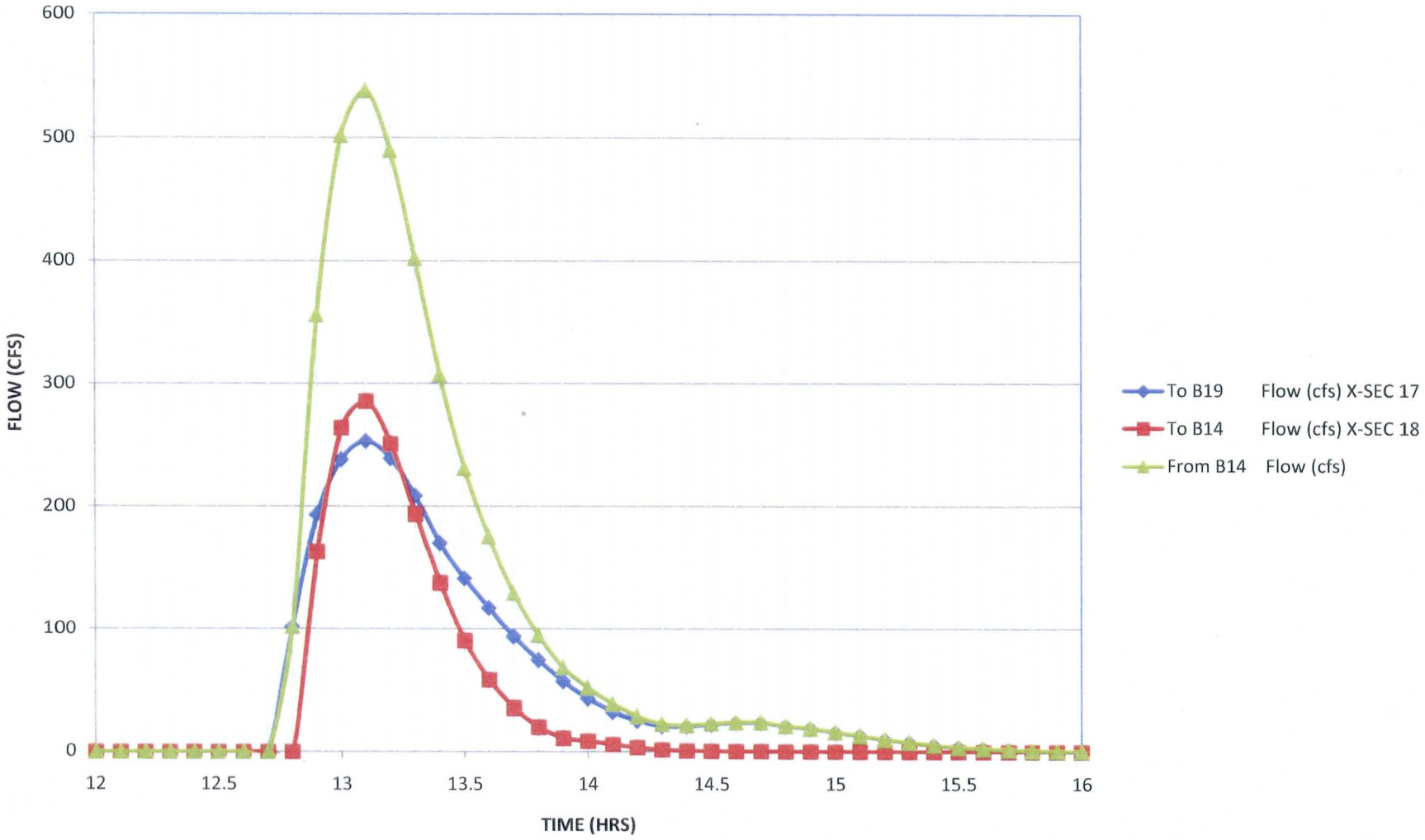


Sub-Basin: DB19 Table 7 - DB19

DI	DQ	Difference
	(to B19)	(to B14)
0	0	0
5	5	0
13	13	0
19	19	0
23	23	1
29	26	4
39	33	6
52	43	9
69	57	11
95	75	20
129	94	36
175	117	58
231	141	90
307	170	137
402	209	193
356	193	163
490	239	251
539	253	285

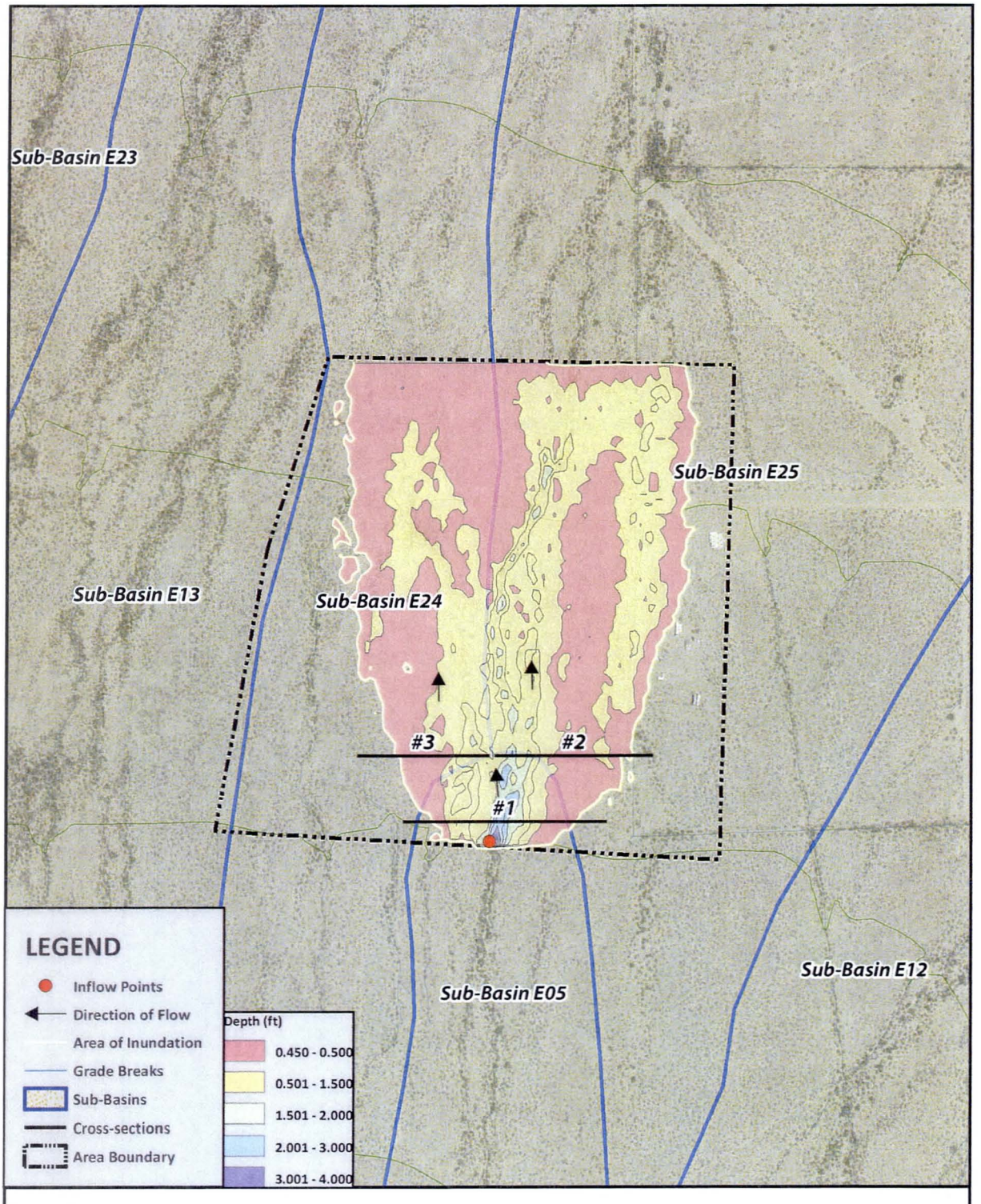
*This split flow location (X-SEC 17 and 18) simulates a diversion from Basin B14 to Basin B19.

100-YEAR, 24-HOUR FLO-2D HYDROGRAPHS FOR CROSS SECTIONS 17 AND 18 - DB19



Attachment 2

CPE05 Flow Split



Flood Control District of Maricopa County

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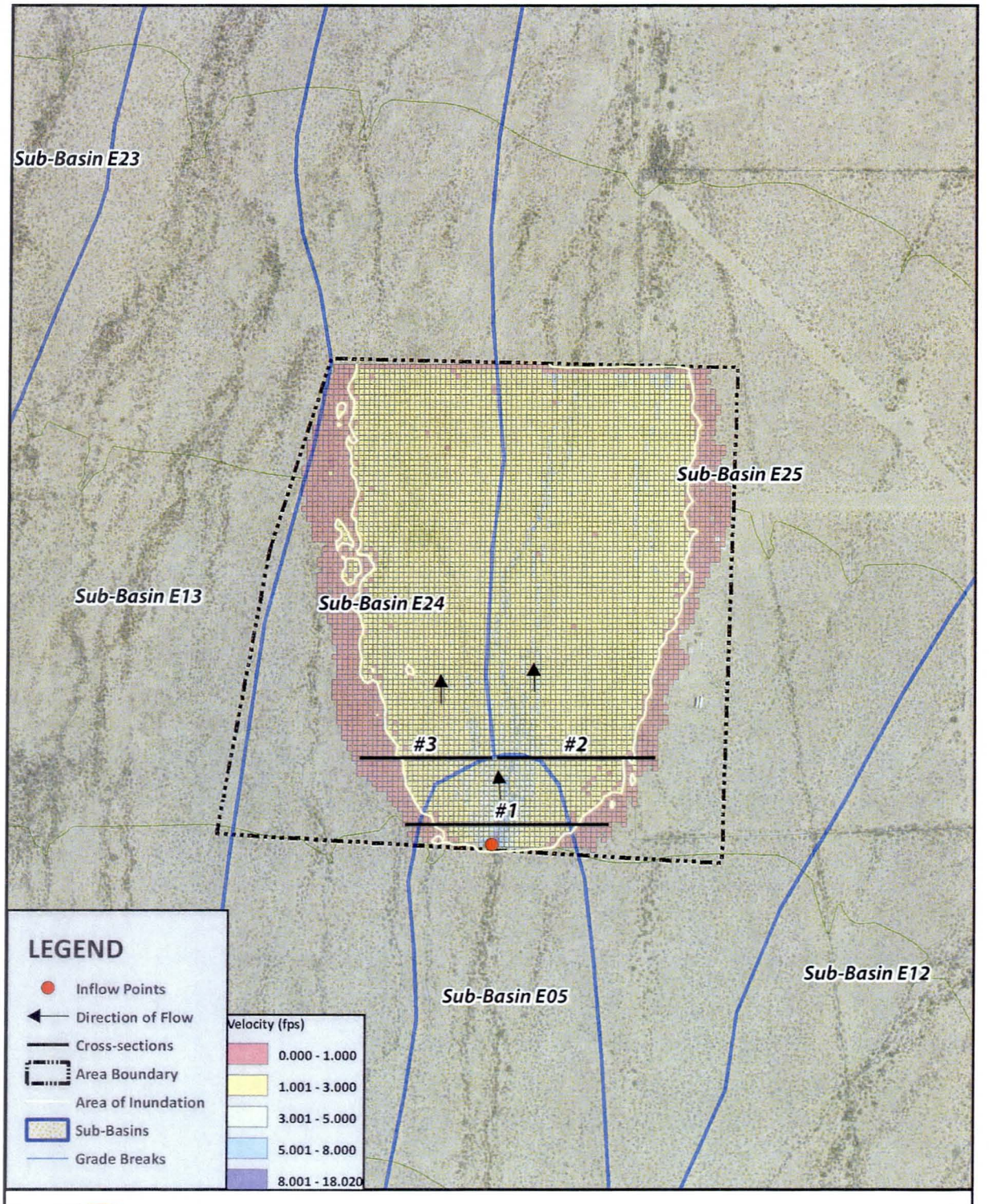
Scale - 1:7,000

Maximum Flow Depth at Cell
Rainbow Valley ADMP

CPE05



Flood Control District of Maricopa County

Dibble Engineering

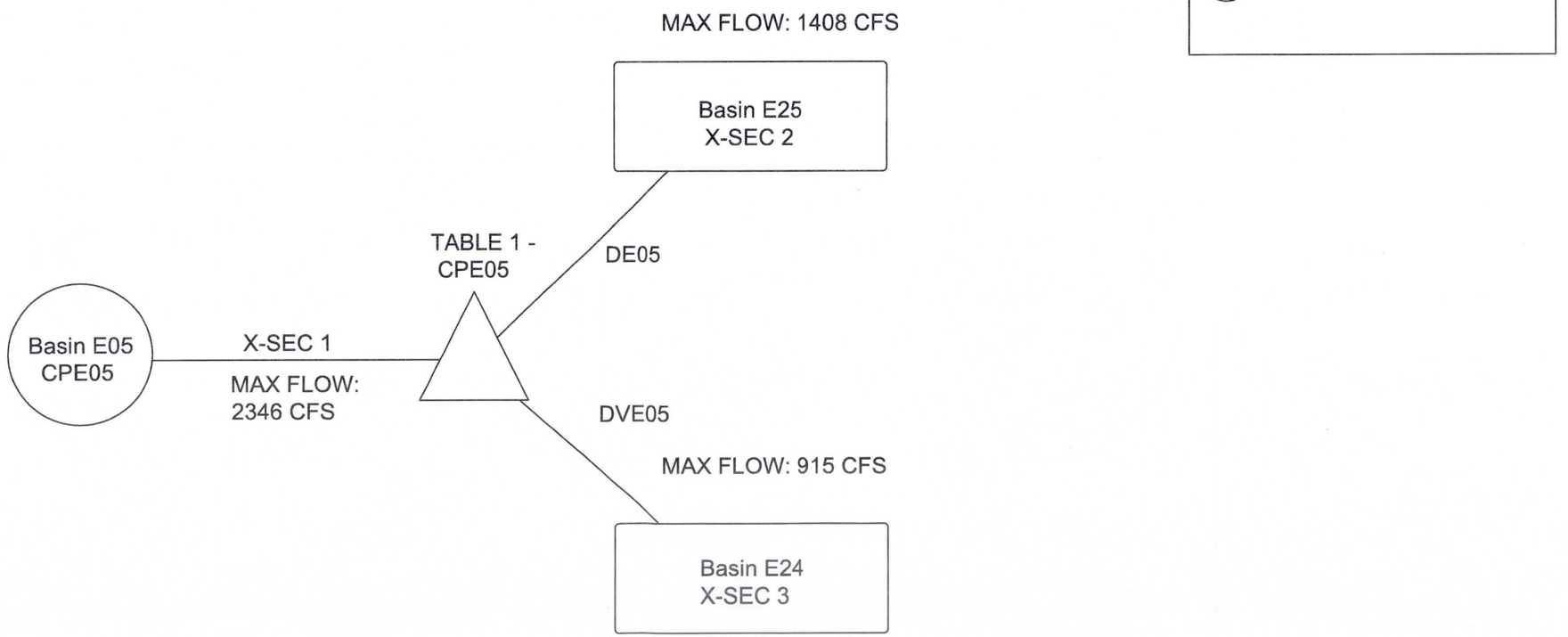
Scale - 1:7,000

Maximum Velocity at Cell
Rainbow Valley ADMP

CPE05

Dibble Engineering
7500 N. Dreamy Draw Drive
Suite 200
Phoenix, AZ 85020
P 602.957.1155

CPE



FILE:C:\WRC...\Flow Diversion Schematic.dwg DATE:Dec 27, 2006 TIME:12:39 PM (by:lor...)

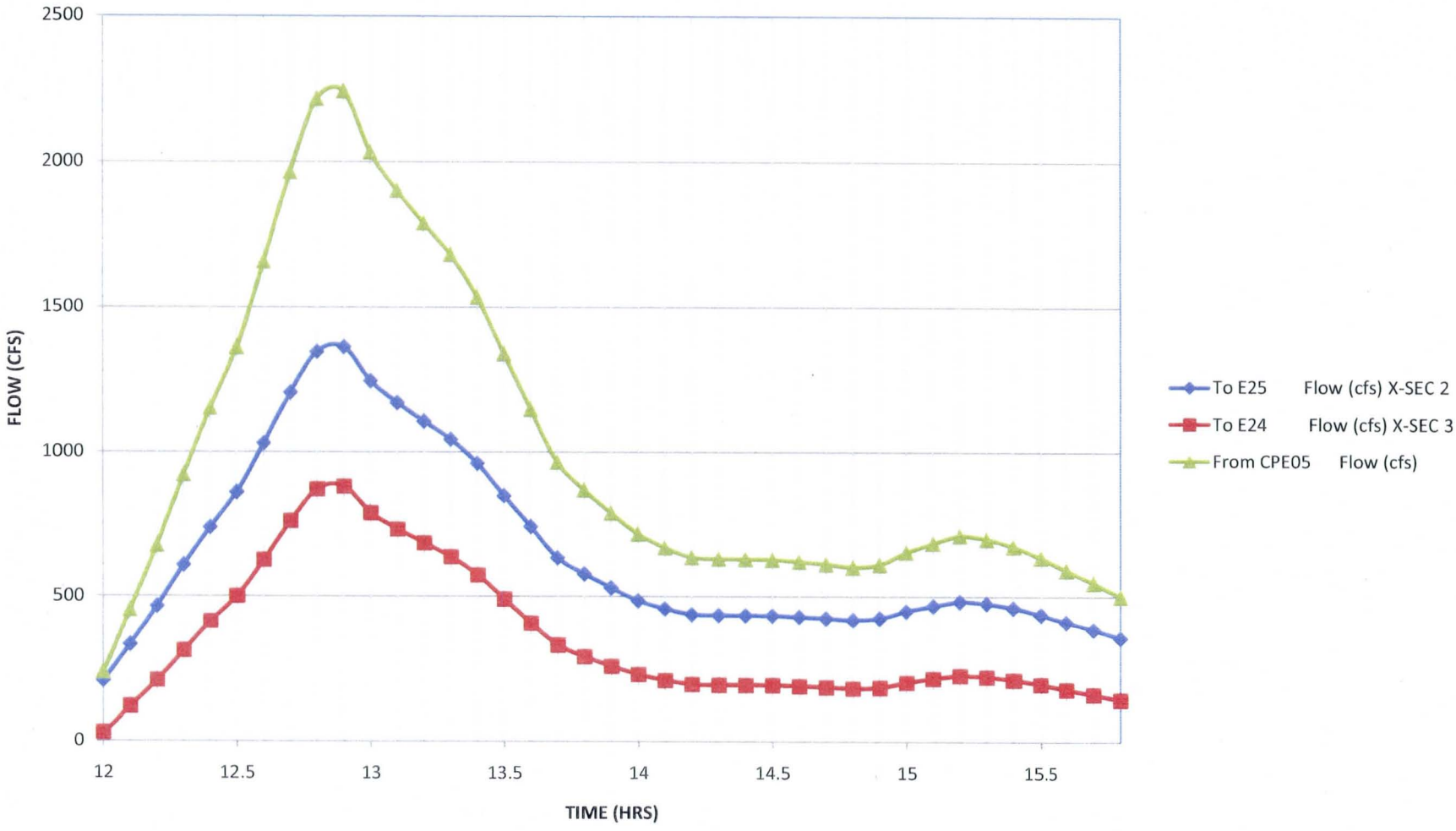
Sub-Basin: DE05

Table 1 - DE05

DI	Difference	DQ
	(to E25)	(to E24)
0	0	0
97	97	0
239	208	31
454	333	121
547	386	161
676	466	210
716	486	230
869	578	291
921	608	313
1147	741	406
1361	861	871
1534	961	573
1680	1044	636
1789	1106	683
1901	1170	731
1965	1205	760
2217	1347	871
2244	1363	880

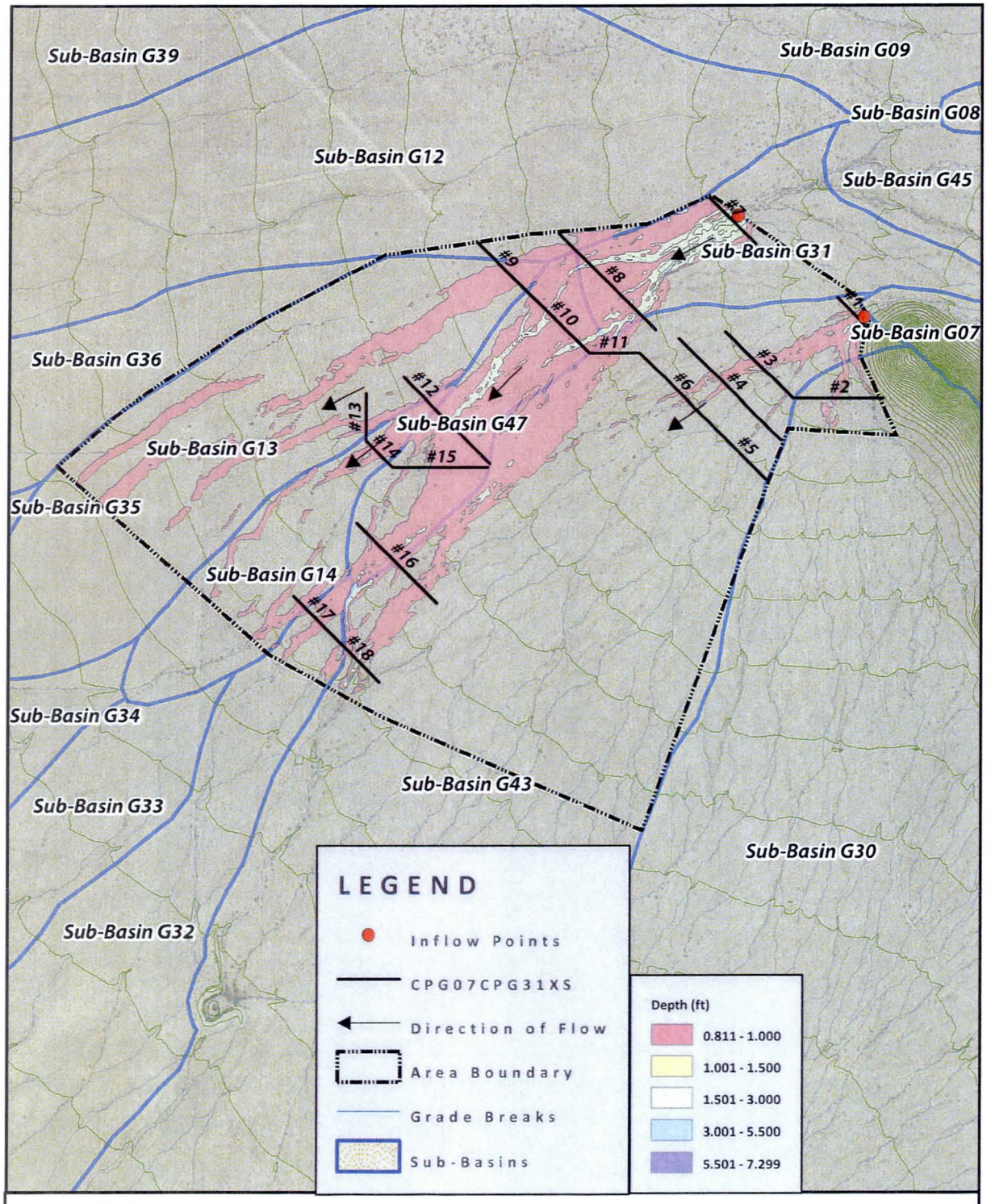
*This split flow location (X-SEC 2 and 3) simulates a diversion from Basin E05 (CPE05) to Basin E25.

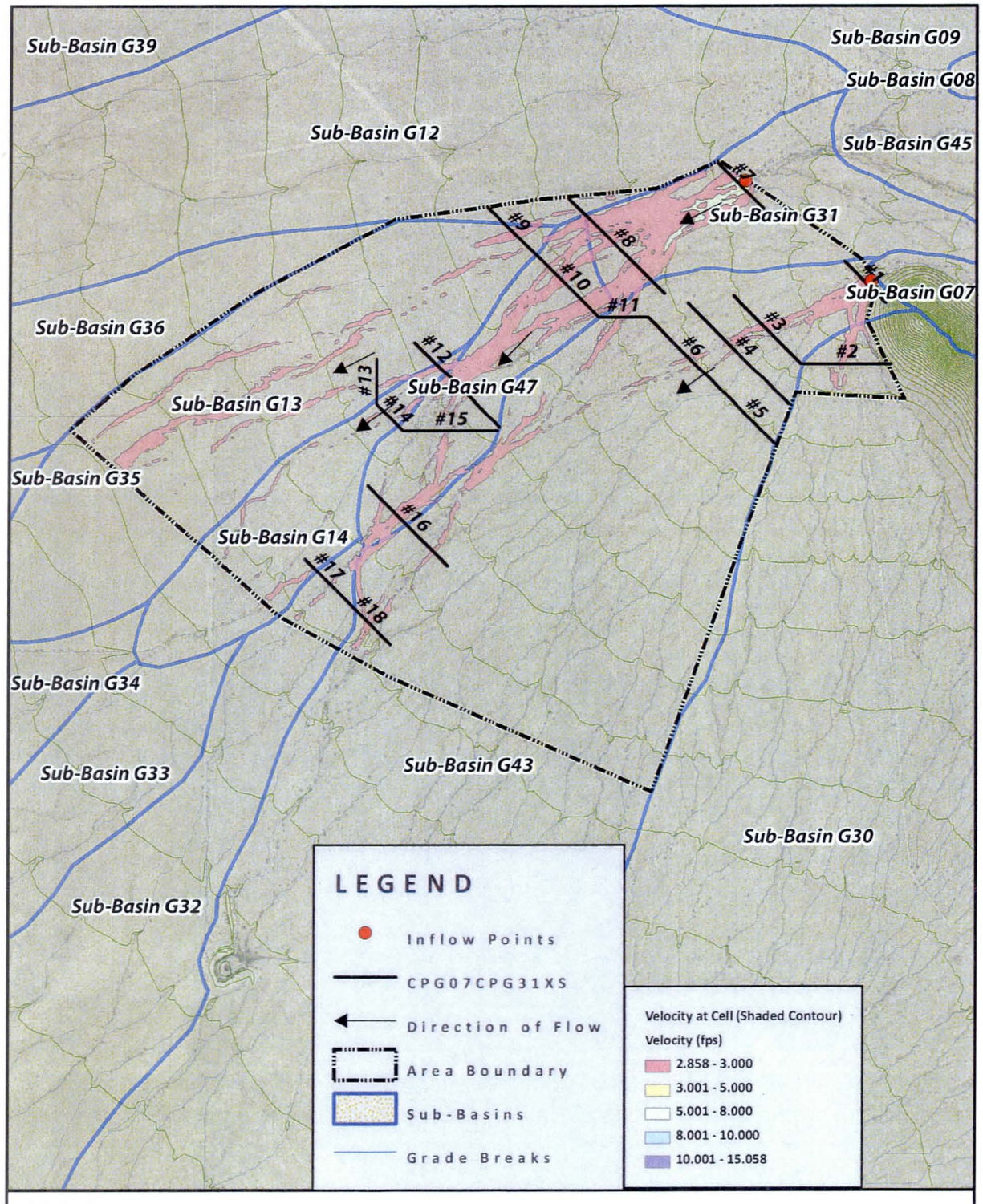
100-YEAR, 24-HOUR FLO-2D HYDROGRAPHS FOR CROSS SECTIONS 2 AND 3 - DE05



Attachment 3

CPG07 and CPG31 Flow Splits


Sub-Basin G39
Sub-Basin G09
Sub-Basin G08
Sub-Basin G12
Sub-Basin G45
Sub-Basin G31
Sub-Basin G07
Sub-Basin G36
Sub-Basin G47
Sub-Basin G13
Sub-Basin G35
Sub-Basin G14
Sub-Basin G34
Sub-Basin G43
Sub-Basin G33
Sub-Basin G30
Sub-Basin G32
#1
#2
#3
#4
#5
#6
#7
#8
#9
#10
#11
#12
#13
#14
#15
#16
#17
#18
LEGEND
Inflow Points
CPG07CPG31XS
Direction of Flow
Area Boundary
Grade Breaks
Sub-Basins
Depth (ft)
0.811 - 1.000
1.001 - 1.500
1.501 - 3.000
3.001 - 5.500
5.501 - 7.299
Flood Control District of Maricopa County
Dibble Engineering
N
Scale - 1:20,000
Maximum Flow Depth at Cells
Rainbow Valley ADMP
CPG31, CPG07



Flood Control District of Maricopa County

Dibble Engineering

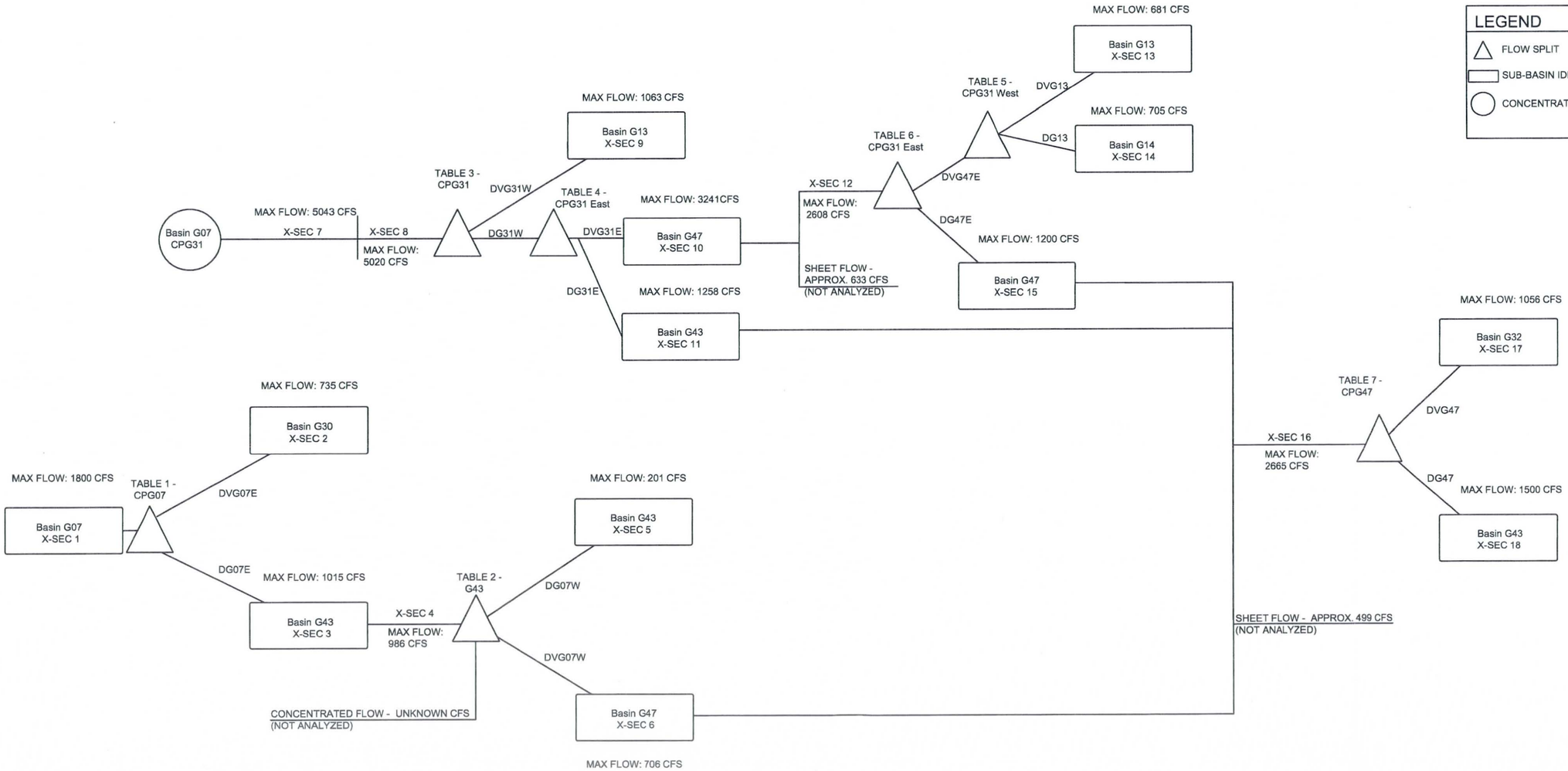
Scale - 1:20,000

Maximum Velocity at Cells
Rainbow Valley ADMP

CPG31, CPG07

Dibble Engineering
7500 N. Dreamy Draw Drive
Suite 200
Phoenix, AZ 85020
P 602.957.1155

CPG07 AND CPG31



FILE:C:\WRG\...\Flow Diversion Schematic.dwg DATE:Dec 27, 2006 TIME:12:39 PM (by:ian...)

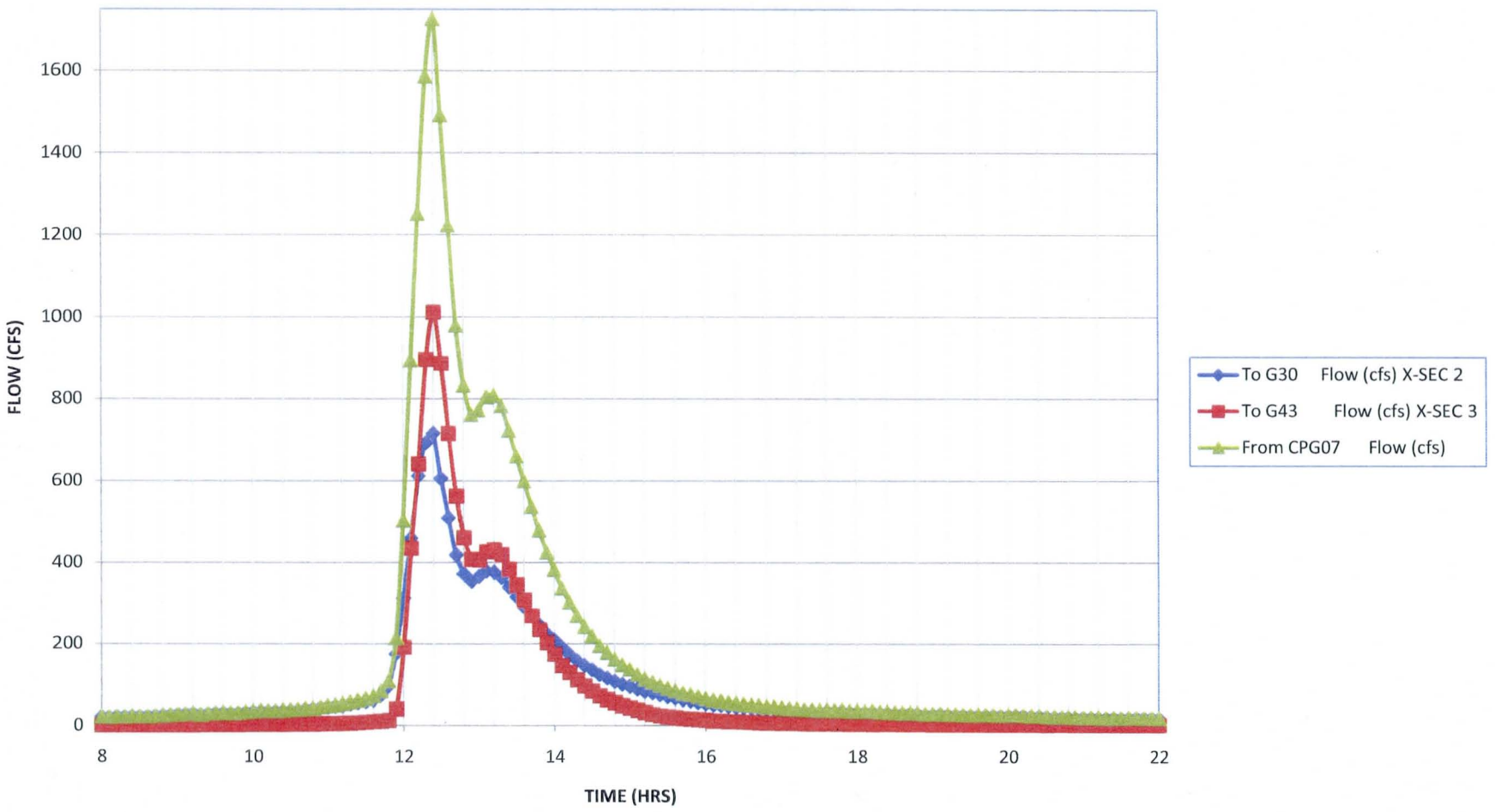
Sub-Basin: DG07E

Table 1 -DG07E

DI	DQ (to G30)	Difference (to G43)
0	0	0
31	30	1
62	51	11
114	83	30
137	95	42
178	116	62
242	147	95
303	174	129
337	191	146
425	224	201
479	246	233
599	292	307
661	316	344
723	340	383
783	364	419
1253	613	640
1587	693	895
1727	716	1011

*This split flow location (X-SEC 2 and 3) simulates a diversion from Basin G07 (CPG07) to Basin G30.

100-YEAR, 24-HOUR FLO-2D HYDROGRAPHS FOR CROSS SECTIONS 2 AND 3 - CDG07E



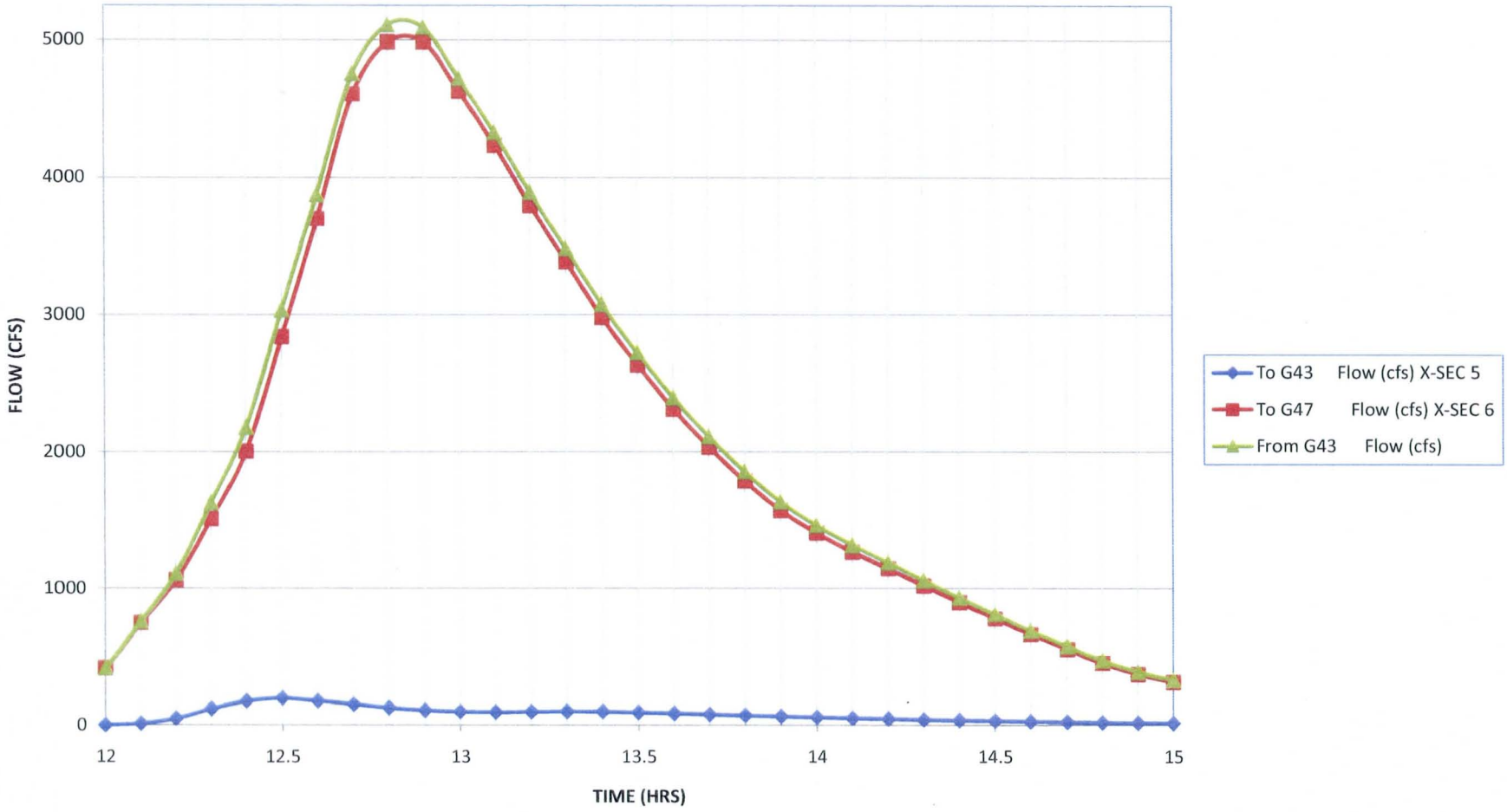
Sub-Basin: DG07W

Table 2 - DG07W

DI	Difference (to G43)	DQ (to G47)
0	0	0
84	2	82
135	6	130
260	13	248
329	17	312
574	24	549
932	37	895
1189	47	1142
1316	52	1264
1631	66	1565
1853	73	1780
2393	87	2306
2721	94	2627
3076	100	2976
3481	101	3380
4755	152	4603
2175	175	2000
3033	197	2836

*This split flow location (X-SEC 5 and 6) simulates a diversion from Basin G43 to Basin G43.

100-YEAR, 24-HOUR FLO-2D HYDROGRAPHS FOR CROSS SECTIONS 5 AND 6 - DG07W



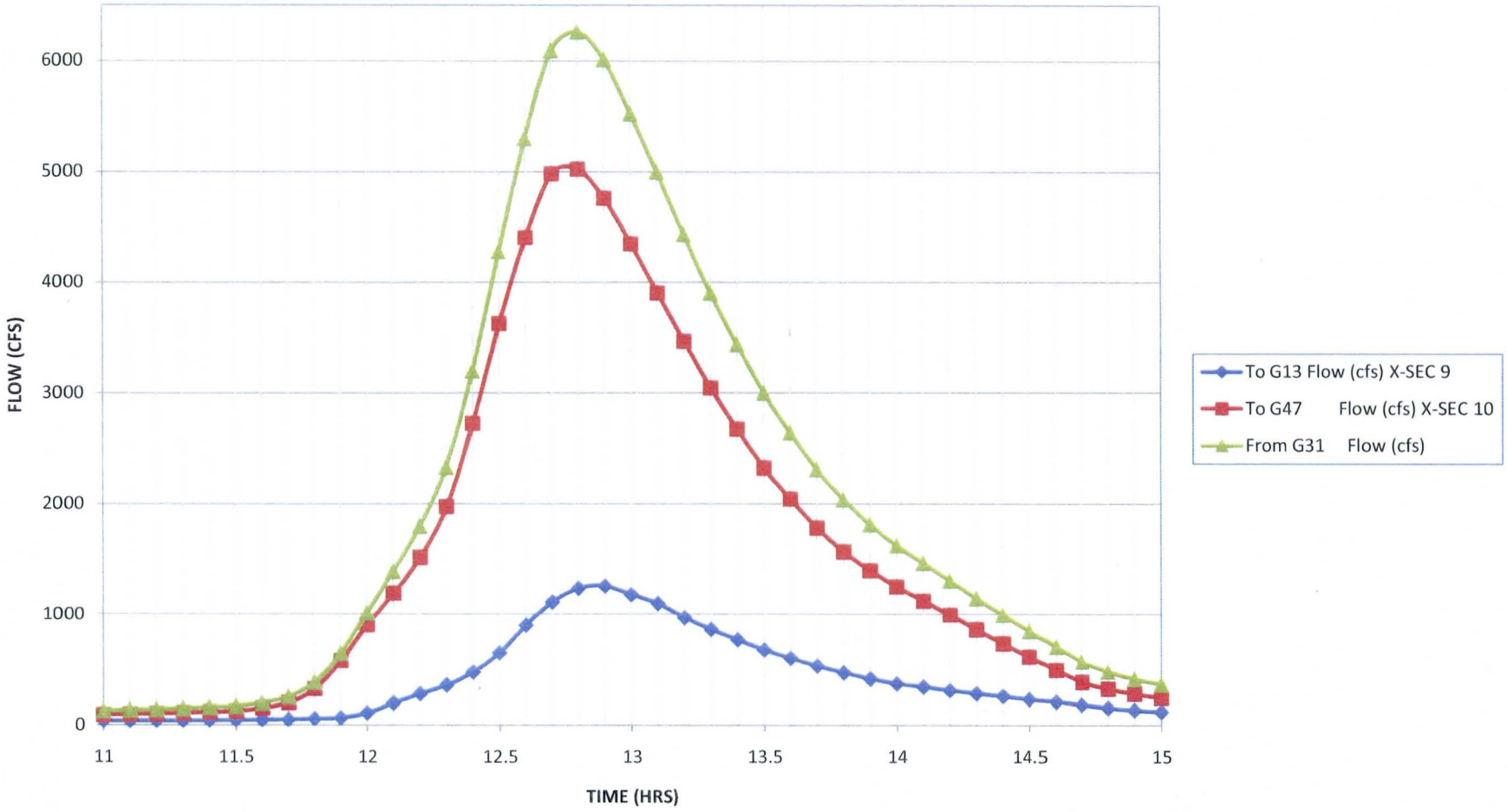
DG31W

Table 3 - DG31W

DI	DQ	Difference
	(to G13)	(to G47)
0	0	0
257	53	204
303	99	204
333	109	224
367	121	246
569	183	386
994	261	733
1305	312	992
1465	345	1120
1813	417	1395
2037	472	1565
2642	603	2039
3000	678	2322
3440	770	2670
3903	864	3039
3199	476	2722
5303	902	4400
6260	1238	5022

*This split flow location (X-SEC 9 and 10) simulates a diversion from Basin G31 to Basin G13.

100-YEAR, 24-HOUR FLO-2D HYDROGRAPHS FOR CROSS SECTIONS 9 AND 10 - DG31W



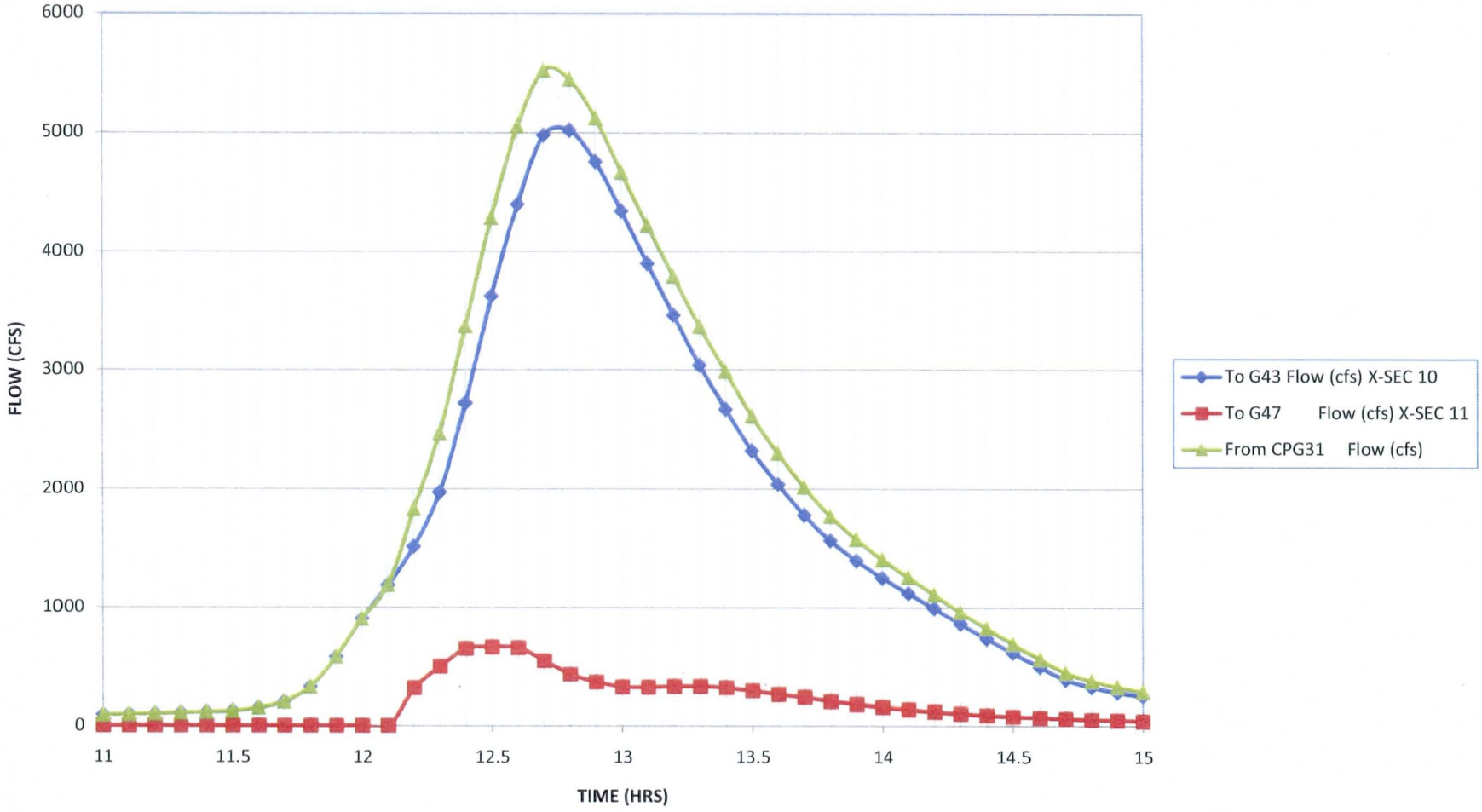
DG31E

Table 4 -DG31E

DI	DQ	Difference
	(to G43)	(to G47)
0	0	0
73	73	0
153	153	0
285	246	39
325	280	45
444	386	58
820	733	87
1108	992	116
1254	1120	134
1403	1248	155
1574	1395	179
1768	1565	204
2300	2039	261
2612	2322	291
2987	2670	316
3367	3039	327
4668	4344	324
5525	4980	545

*This split flow location (X-SEC 10 and 11) simulates a diversion from Basin CPG31 to Basin G43.

100-YEAR, 24-HOUR FLO-2D HYDROGRAPHS FOR CROSS SECTIONS 10 AND 11 - DG31E

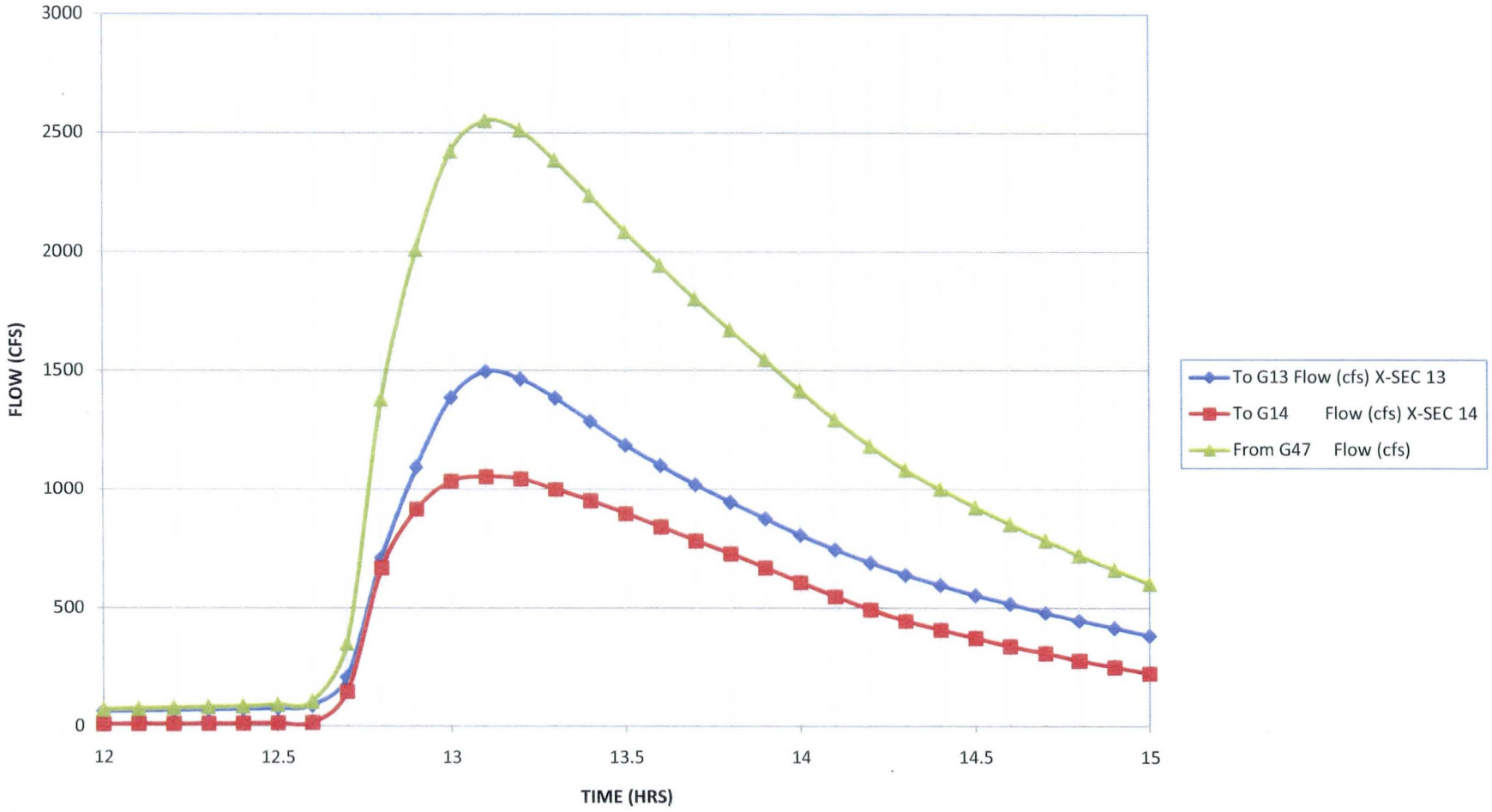


Sub Basin: DG13 Table 5 -DG13

DI	DQ	Difference
	(to G13)	(to G14)
0	0	0
70	62	7
84	73	11
542	352	191
660	414	246
784	479	305
1000	596	404
1182	691	491
1293	746	547
1414	808	606
1545	876	668
1672	945	727
1802	1020	782
1943	1101	841
2084	1187	897
2238	1287	951
2385	1385	999
2551	1497	1053

*This split flow location (X-SEC 13 and 14) simulates a diversion from Basin G47 to Basin G13.

100-YEAR, 24-HOUR FLO-2D HYDROGRAPHS FOR CROSS SECTIONS 13 AND 14 - DG13



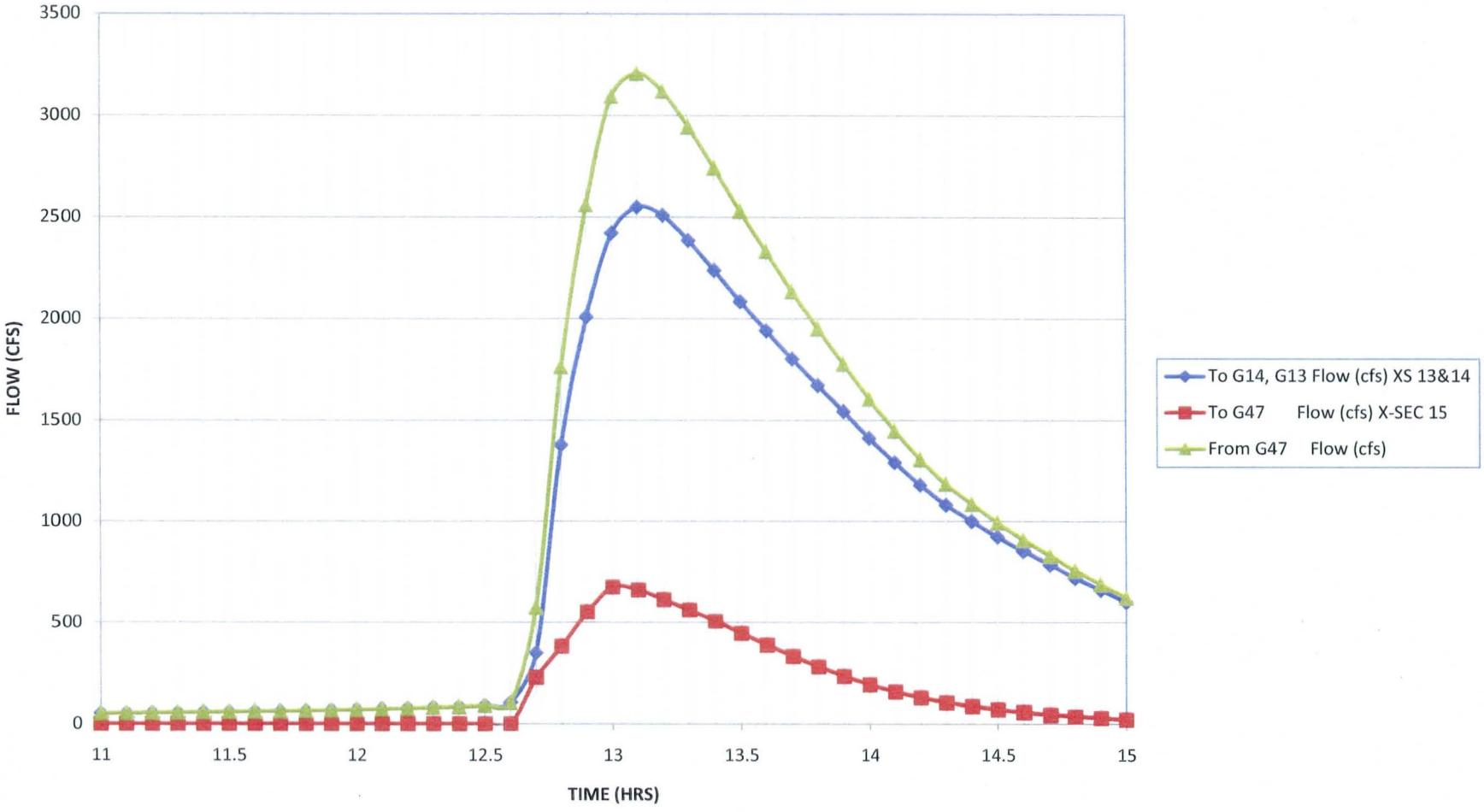
DG47E

Table 6 - DG47E

DI	DQ	Difference
	(to G13, G14)	(to G47)
0	0	0
70	70	0
104	103	1
450	442	8
622	601	21
828	784	44
1085	1000	85
1308	1182	127
1449	1293	156
1605	1414	191
1776	1545	232
1951	1672	279
2329	1943	387
2529	2084	445
2743	2238	505
2945	2385	561
3095	2421	674
3210	2551	659

*This split flow location (X-SEC 14 and 15) simulates a diversion from Basin G47 to Basin G14.

100-YEAR, 24-HOUR FLO-2D HYDROGRAPHS FOR CROSS SECTIONS 14 AND 15 - DG47E

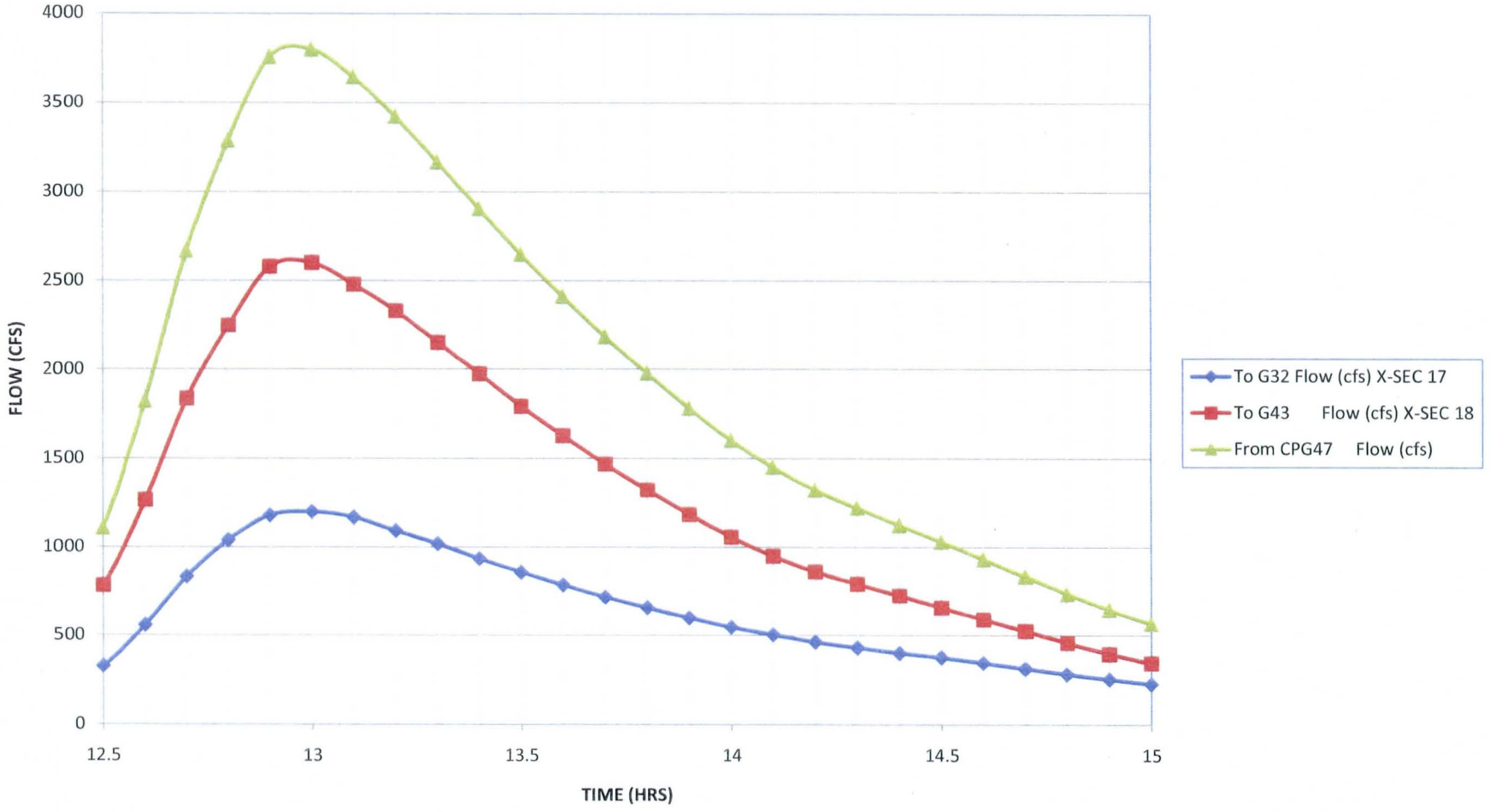


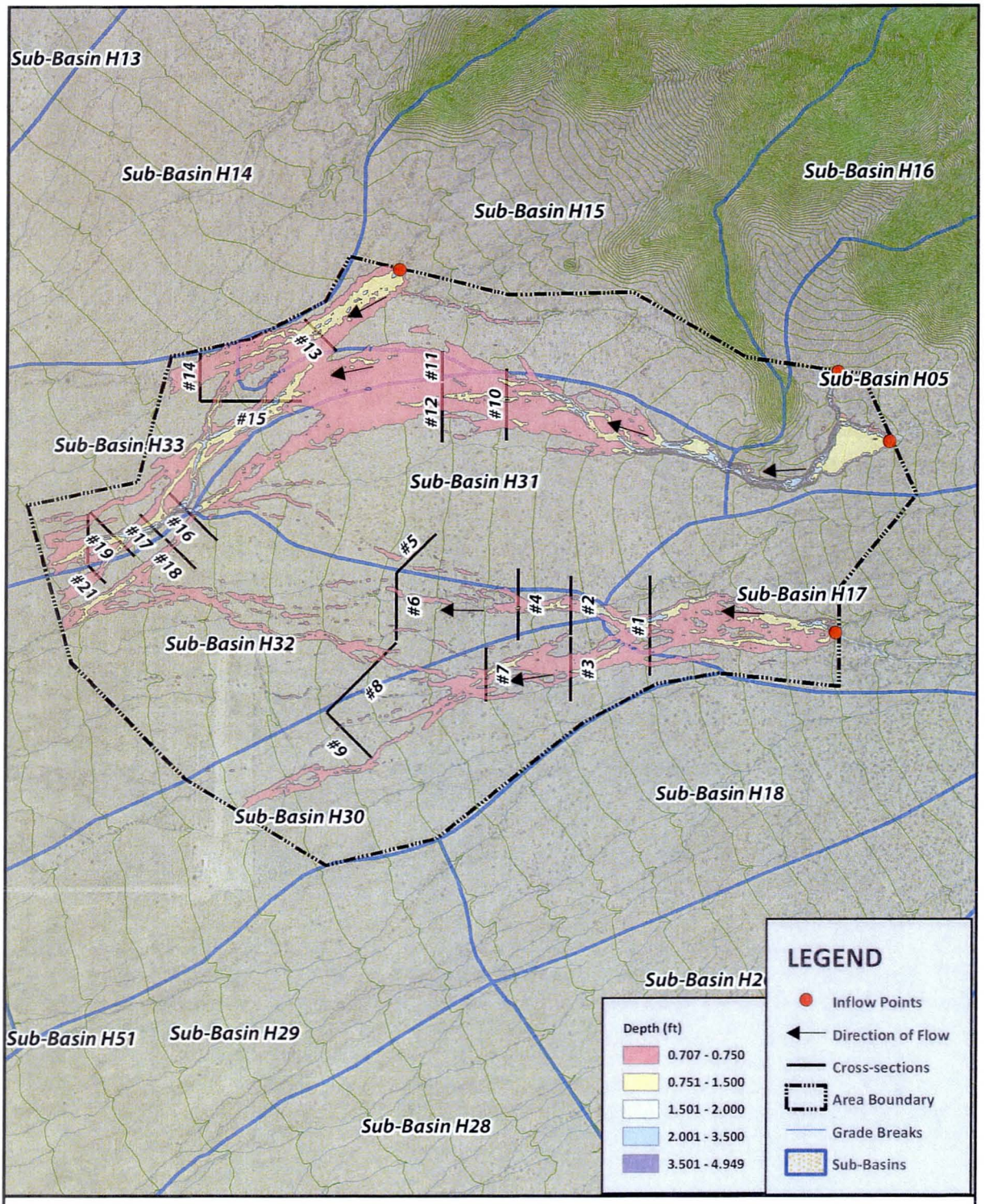
Sub-Basin: DG47 Table 7 - DG47

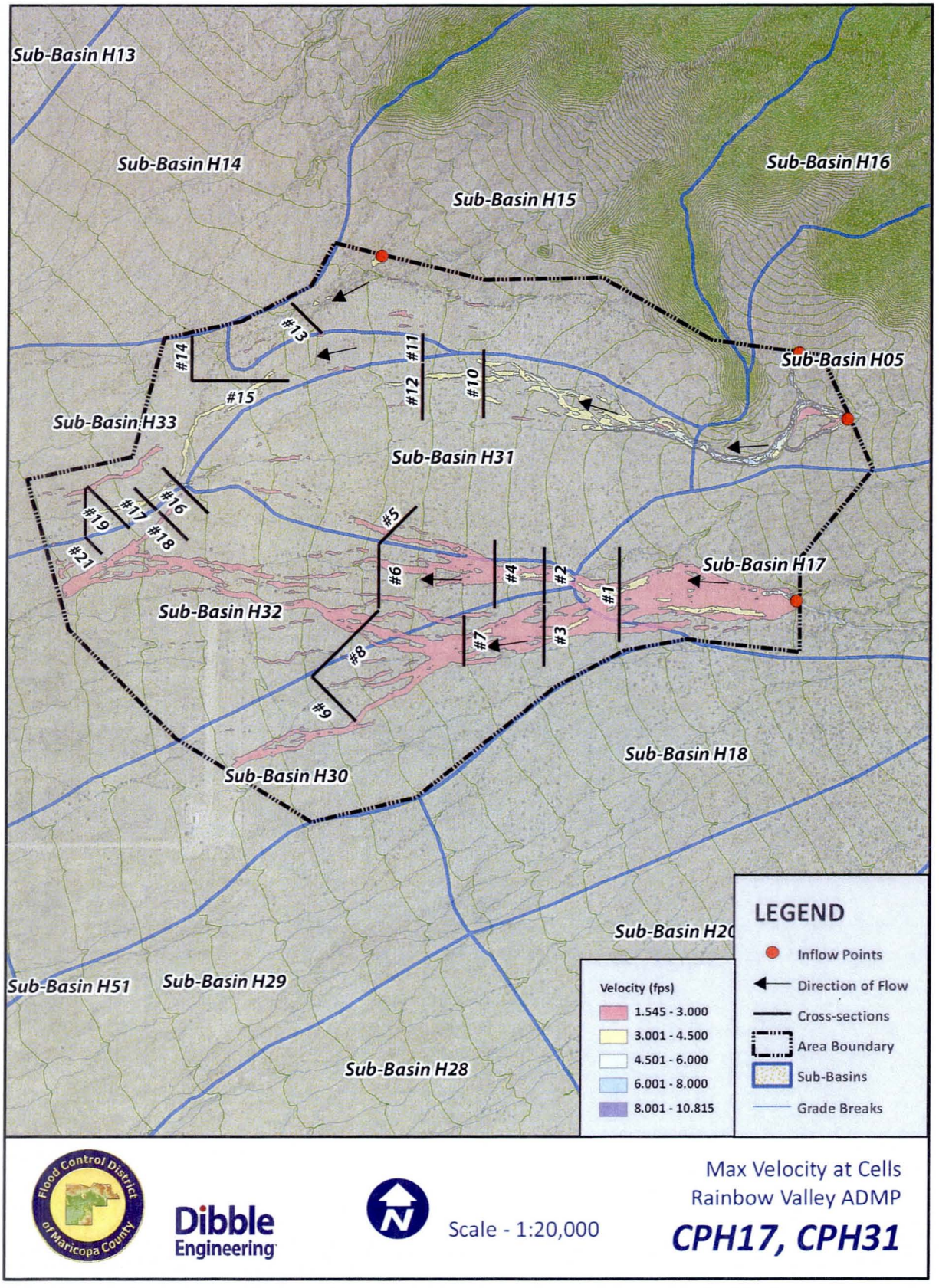
DI	DQ (to G32)	Difference (to G43)
0	0	0
119	56	64
377	91	285
489	199	290
566	224	341
834	311	523
1124	400	724
1322	462	860
1452	504	948
1602	546	1056
1782	599	1183
1978	658	1321
2413	786	1626
2649	859	1790
2907	935	1972
3168	1019	2149
3646	1168	2477
3800	1200	2600

*This split flow location (X-SEC 17 and 18) simulates a diversion from Basin CPG47 to Basin G32.

100-YEAR, 24-HOUR FLO-2D HYDROGRAPHS FOR CROSS SECTIONS 17 AND 18 - DG47




Sub-Basin H13
Sub-Basin H14
Sub-Basin H15
Sub-Basin H16
Sub-Basin H05
Sub-Basin H33
Sub-Basin H31
Sub-Basin H32
Sub-Basin H17
Sub-Basin H30
Sub-Basin H18
Sub-Basin H2
Sub-Basin H51
Sub-Basin H29
Sub-Basin H28
#1
#2
#3
#4
#5
#6
#7
#8
#9
#10
#11
#12
#13
#14
#15
#16
#17
#18
#19
#21
LEGEND
Inflow Points
Direction of Flow
Cross-sections
Area Boundary
Grade Breaks
Sub-Basins
Depth (ft)
0.707 - 0.750
0.751 - 1.500
1.501 - 2.000
2.001 - 3.500
3.501 - 4.949
Flood Control District of Maricopa County
Dibble Engineering
N
Scale - 1:20,000
Max Flow Depth at Cells
Rainbow Valley ADMP
CPH17, CPH31

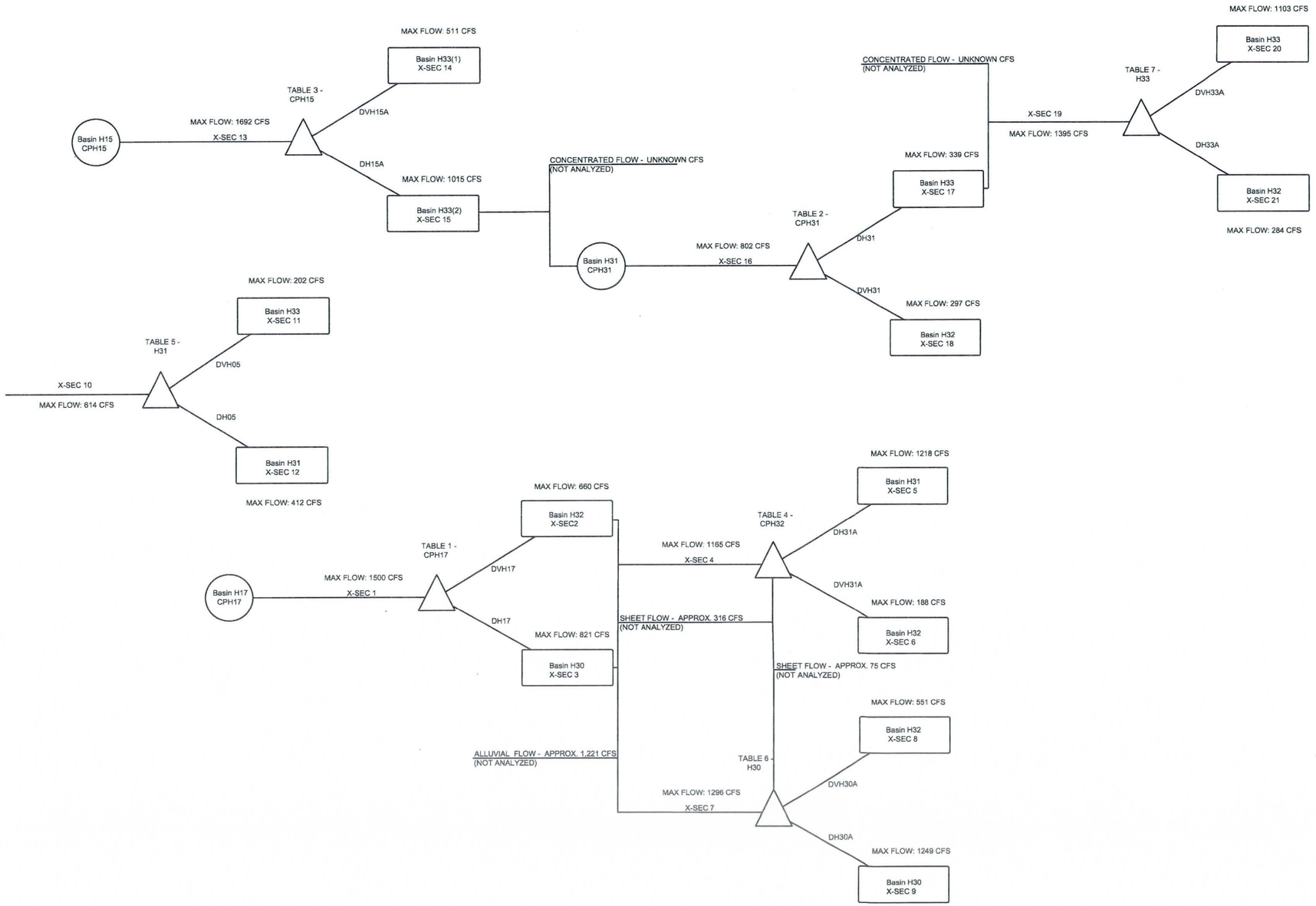

Sub-Basin H13
Sub-Basin H14
Sub-Basin H15
Sub-Basin H16
Sub-Basin H05
Sub-Basin H33
Sub-Basin H31
Sub-Basin H32
Sub-Basin H17
Sub-Basin H18
Sub-Basin H30
Sub-Basin H20
Sub-Basin H51
Sub-Basin H29
Sub-Basin H28
#1
#2
#3
#4
#5
#6
#7
#8
#9
#10
#11
#12
#13
#14
#15
#16
#17
#18
#19
#21
LEGEND
Inflow Points
Direction of Flow
Cross-sections
Area Boundary
Sub-Basins
Grade Breaks
Velocity (fps)
1.545 - 3.000
3.001 - 4.500
4.501 - 6.000
6.001 - 8.000
8.001 - 10.815
Flood Control District of Maricopa County
Dibble Engineering
N
Scale - 1:20,000
Max Velocity at Cells
Rainbow Valley ADMP
CPH17, CPH31

Attachment 4

CPH17 and CPH31 Flow Splits

Dibble Engineering
7500 N. Dreamy Draw Drive
Suite 200
Phoenix, AZ 85020
P 602.957.1155

CPH17CPH31



FILE:C:\WRD\Flow Diversion Schematic.dwg DATE:Dec 27, 2006 TIME:12:39 PM (by:tc

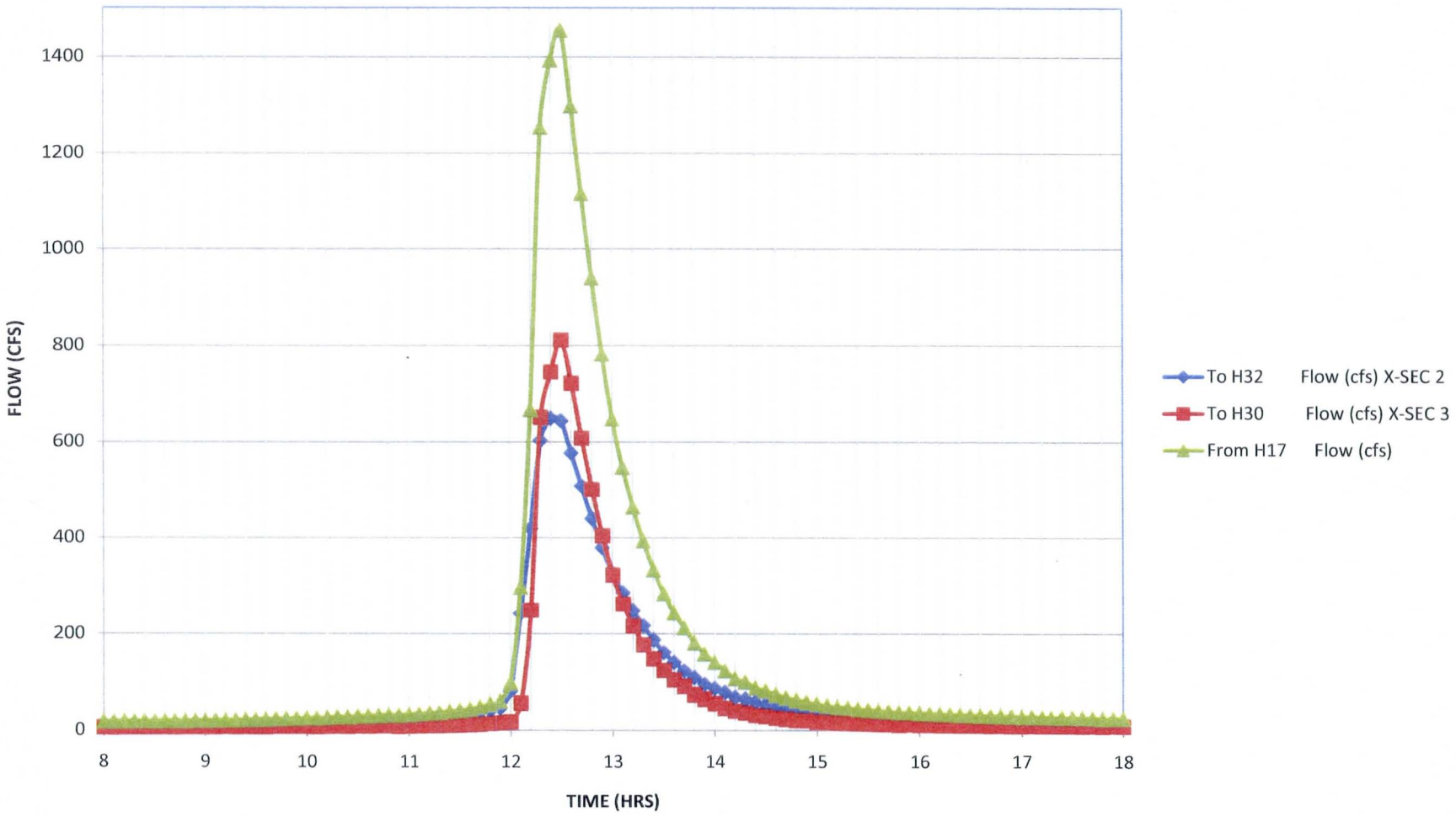
Sub-Basin: DH17

Table 1 - DH17

DI	DQ	Difference
	(to CPH32)	(to CPH30)
0	0	0
11	10	1
20	14	6
32	25	8
41	31	10
60	46	14
98	81	17
297	242	55
393	217	176
464	249	215
547	286	261
648	326	322
782	379	404
940	440	501
1115	508	608
1298	577	721
1394	649	745
1455	644	811

*This split flow location (X-SEC 2 and 3) simulates a diversion from Basin H17 (CPH17) to Basin H30.

100-YEAR, 24-HOUR FLO-2D HYDROGRAPHS FOR CROSS SECTIONS 2 AND 3 - DH17

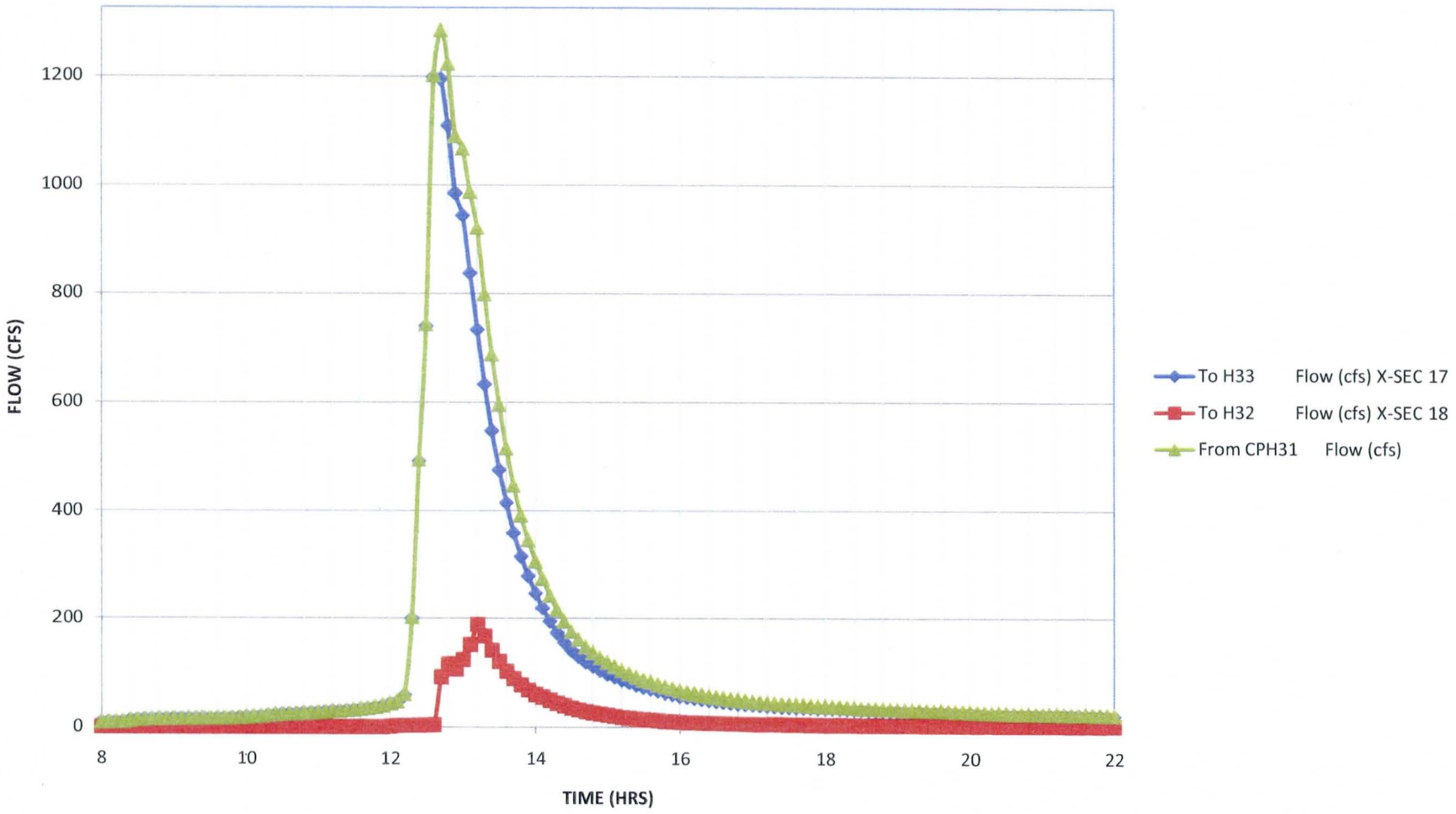


Sub-Basin: DH31 Table 2 - DH31

DI	Difference	DQ
	(to CPH33)	(to CPH32)
0	0	0
15	15	0
27	27	0
44	43	1
48	46	2
60	52	8
78	66	12
119	97	22
148	119	29
176	141	35
307	247	60
392	316	76
516	415	101
596	476	120
688	548	140
799	633	166
1067	944	123
1224	1109	115

*This split flow location (X-SEC 17 and 18) simulates a diversion from Basin H31 (CPH31) to Basin H33.

100-YEAR, 24-HOUR FLO-2D HYDROGRAPHS FOR CROSS SECTIONS 17 AND 18 - DH31



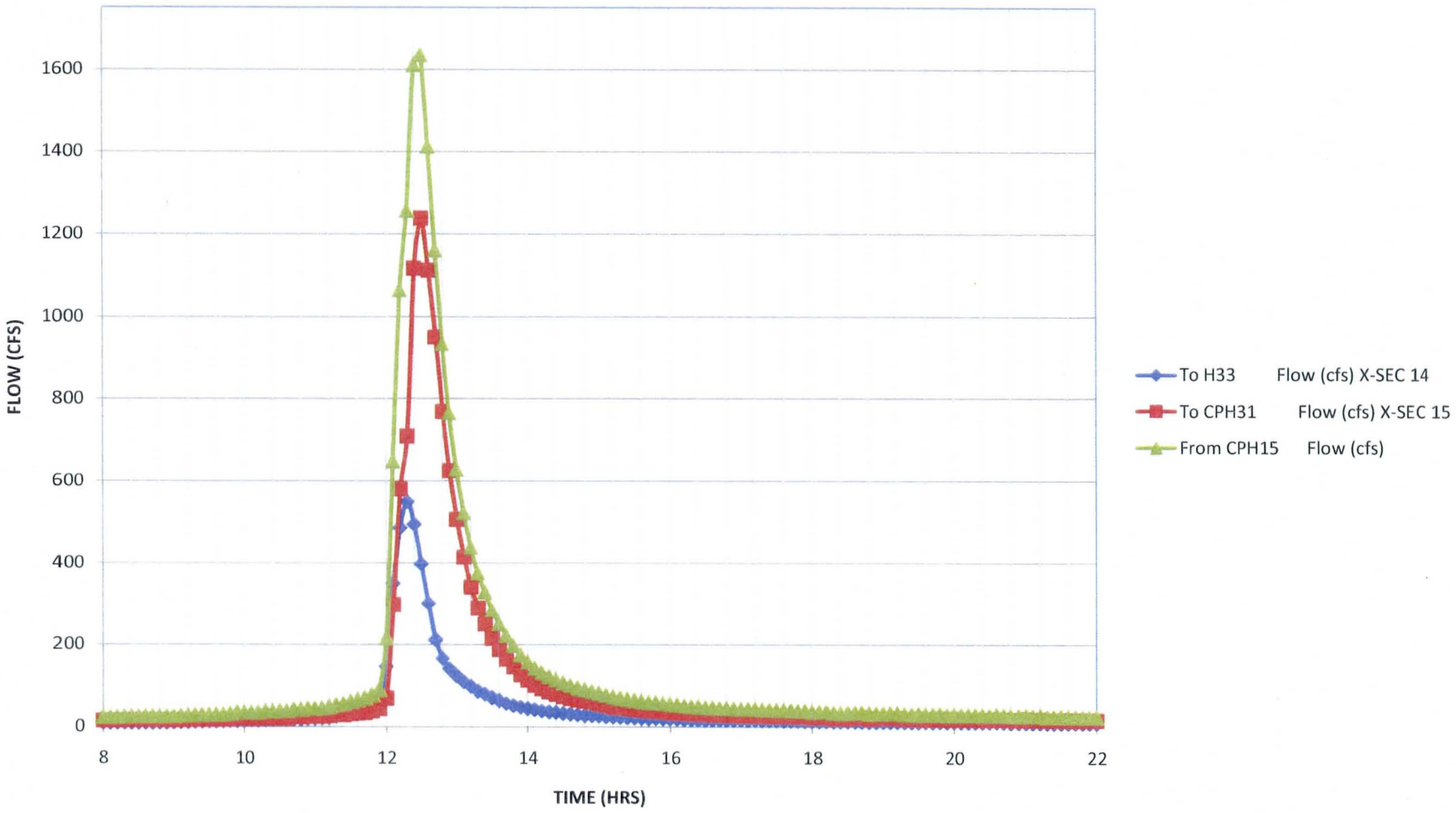
Sub-Basin: DH15A

Table 3 -DH15A

DI	DQ	Difference
	(to H33)	(to CPH31)
0	0	0
26	9	17
46	19	26
90	46	44
132	39	93
215	146	69
222	146	165
285	71	214
376	87	290
439	98	341
522	108	414
629	124	505
766	141	624
934	166	768
1161	212	949
1414	302	1112
1611	494	1117
1636	398	1238

*This split flow location (X-SEC 14 and 15) simulates a diversion from Basin H15 (CPH15) to Basin H33.

100-YEAR, 24-HOUR FLO-2D HYDROGRAPHS FOR CROSS SECTIONS 14 AND 15 - DH15A



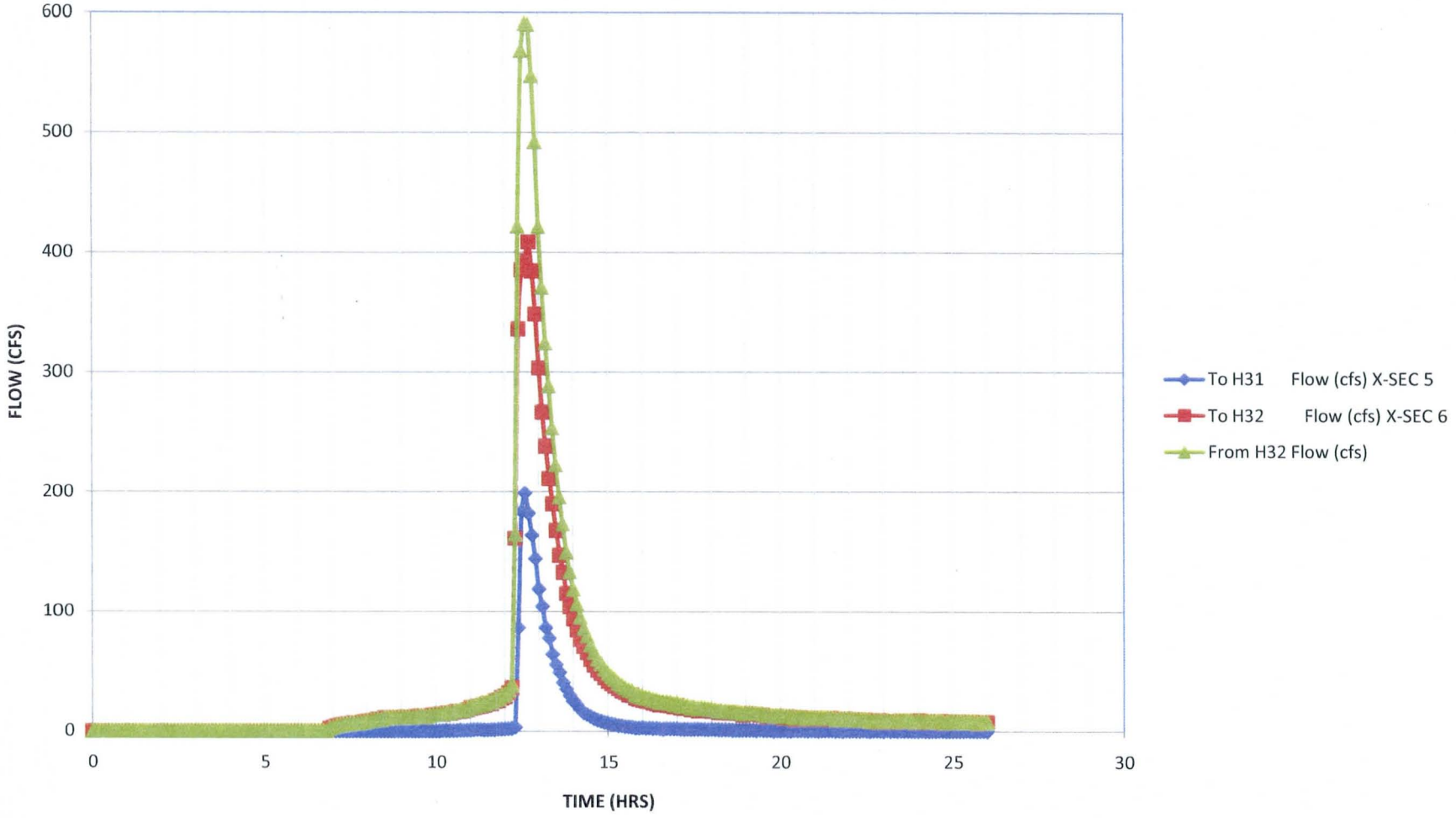
Sub-Basin: DH31A

Table 4 - DH31A

DI	Difference	DQ
	(to H31)	(to H32)
0	0	0
8	0	8
20	1	19
38	2	36
52	7	44
72	12	60
80	14	66
86	15	71
95	19	77
107	22	84
119	25	94
150	35	115
223	55	167
371	104	267
422	119	303
492	144	348
548	164	384
590	182	409

*This split flow location (X-SEC 5 and 6) simulates a diversion from Basin H32 to Basin H31.

100-YEAR, 24-HOUR FLO-2D HYDROGRAPHS FOR CROSS SECTIONS 5 AND 6 - DH31A



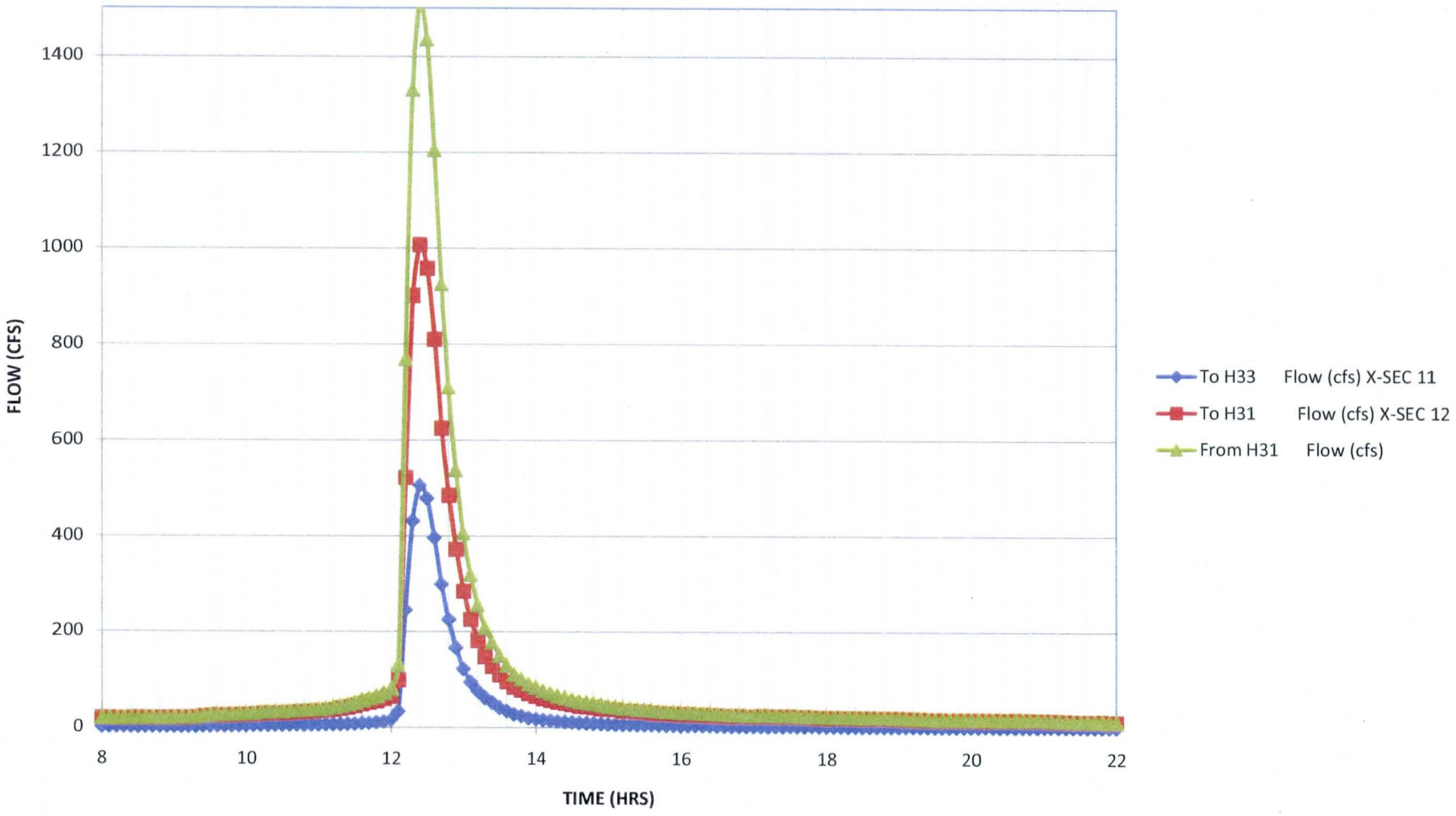
Sub-Basin: DH05

Table 5 - DH05

DI	DQ	Difference
	(to H33)	(to H31)
0	0	0
11	0	11
15	0	15
21	2	19
61	9	52
63	12	51
72	15	57
84	19	65
102	25	77
130	35	94
179	52	127
209	62	147
257	76	181
407	122	285
539	167	372
710	226	485
925	300	625
1436	479	957

*This split flow location (X-SEC 11 and 12) simulates a diversion from Basin H31 to Basin H33.

100-YEAR, 24-HOUR FLO-2D HYDROGRAPHS FOR CROSS SECTIONS 11 AND 12 - DH05



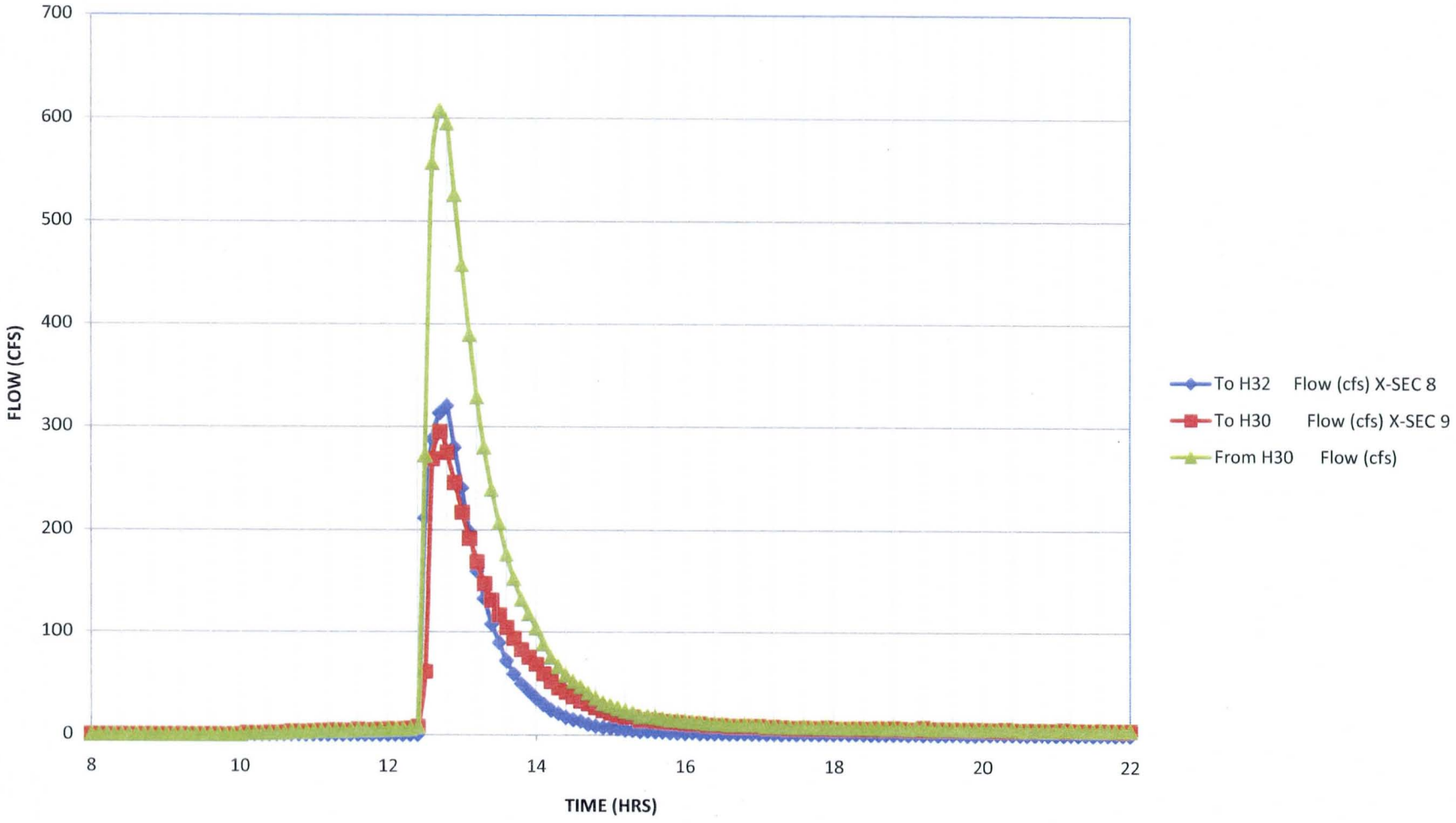
Sub-Basin: DH30A

Table 6 - DH30A

DI	DQ (to H32)	Difference (to H30)
0	0	0
5	0	5
14	3	11
23	5	18
29	7	21
41	11	30
58	17	41
76	24	51
88	30	59
118	42	75
132	50	83
176	72	104
207	90	117
280	133	147
329	160	169
457	241	217
526	280	246
608	313	295

*This split flow location (X-SEC 8 and 9) simulates a diversion from Basin H30 to Basin H32.

100-YEAR, 24-HOUR FLO-2D HYDROGRAPHS FOR CROSS SECTIONS 8 AND 9 - DH30A



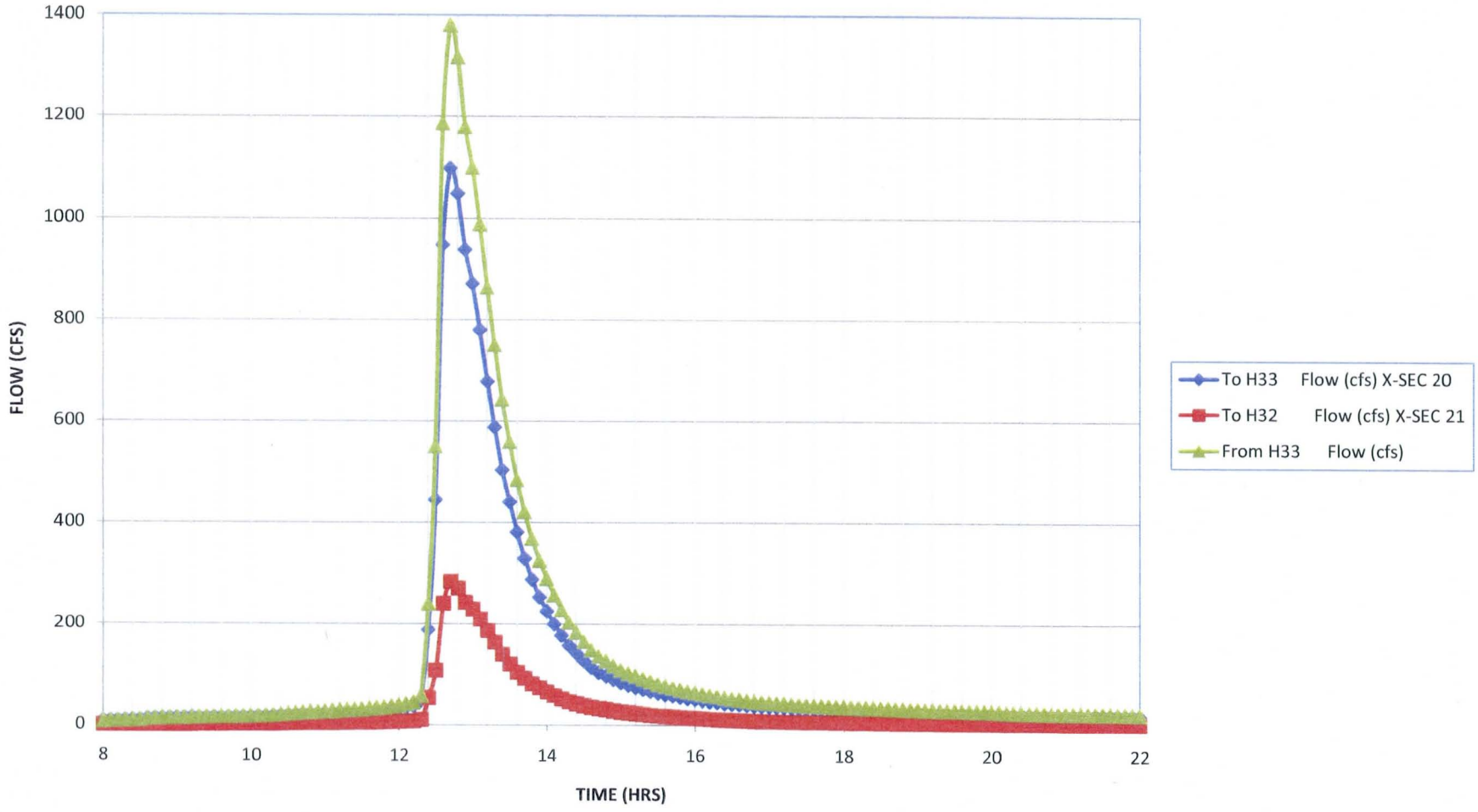
Sub-Basin: DH33A

Table 7 - DH33A

DI	DQ (to H33)	Difference (to H32)
0	0	0
38	32	6
61	49	13
96	74	22
108	83	25
136	103	32
183	142	41
228	177	51
257	199	57
325	253	73
368	288	81
484	381	103
559	440	119
643	504	139
751	588	163
1100	871	229
1180	938	242
1381	1098	283

*This split flow location (X-SEC 20 and 21) simulates a diversion from Basin H33 to Basin H33.

100-YEAR, 24-HOUR FLO-2D HYDROGRAPHS FOR CROSS SECTIONS 20 AND 21 - DH33A



D.4 FLOW SPLIT AND DIVERSION DATA

Worksheet for A07-A

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01200	ft/ft
Normal Depth	0.32	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1240.60
0+03	1240.64
0+15	1240.50
1+09	1240.20
1+14	1240.18
1+20	1240.20
1+75	1240.50
1+85	1240.60
1+86	1240.60

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1240.60)	(0+15, 1240.50)	0.050
(0+15, 1240.50)	(1+75, 1240.50)	0.045
(1+75, 1240.50)	(1+86, 1240.60)	0.050

Results

Discharge		27.58	ft^3/s
Elevation Range	1240.18 to 1240.64 ft		
Flow Area		25.76	ft^2
Wetted Perimeter		160.00	ft
Top Width		160.00	ft
Normal Depth		0.32	ft
Critical Depth		0.24	ft

Worksheet for A07-A

Results

Critical Slope		0.05998	ft/ft
Velocity		1.07	ft/s
Velocity Head		0.02	ft
Specific Energy		0.34	ft
Froude Number		0.47	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.32	ft
Critical Depth	0.24	ft
Channel Slope	0.01200	ft/ft
Critical Slope	0.05998	ft/ft

Cross Section for A07-A

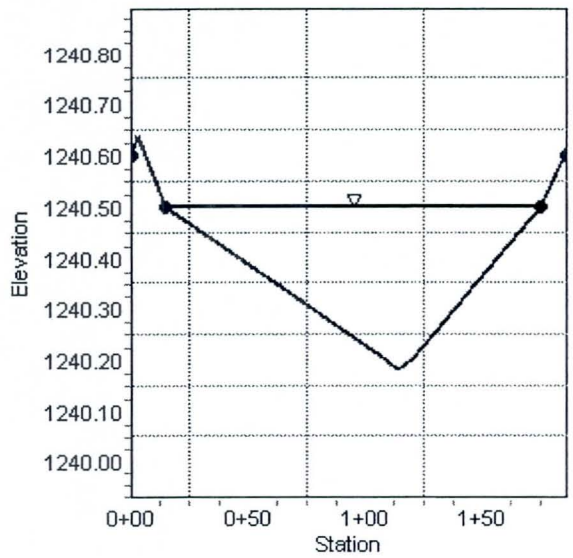
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01200	ft/ft
Normal Depth	0.32	ft
Discharge	27.58	ft³/s

Cross Section Image



Worksheet for A07

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01400	ft/ft
Normal Depth	0.50	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1240.50
0+52	1240.40
1+27	1240.00
1+60	1240.00
1+73	1240.00
1+84	1240.20
1+97	1240.50
2+15	1240.80

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1240.50)	(0+52, 1240.40)	0.050
(0+52, 1240.40)	(1+84, 1240.20)	0.045
(1+84, 1240.20)	(2+15, 1240.80)	0.050

Results

Discharge	87.32	ft^3/s
Elevation Range	1240.00 to 1240.80 ft	
Flow Area	54.57	ft^2
Wetted Perimeter	197.01	ft
Top Width	197.00	ft
Normal Depth	0.50	ft
Critical Depth	0.35	ft
Critical Slope	0.05109	ft/ft

Worksheet for A07

Results

Velocity		1.60	ft/s
Velocity Head		0.04	ft
Specific Energy		0.54	ft
Froude Number		0.54	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.50	ft
Critical Depth	0.35	ft
Channel Slope	0.01400	ft/ft
Critical Slope	0.05109	ft/ft

Cross Section for A07

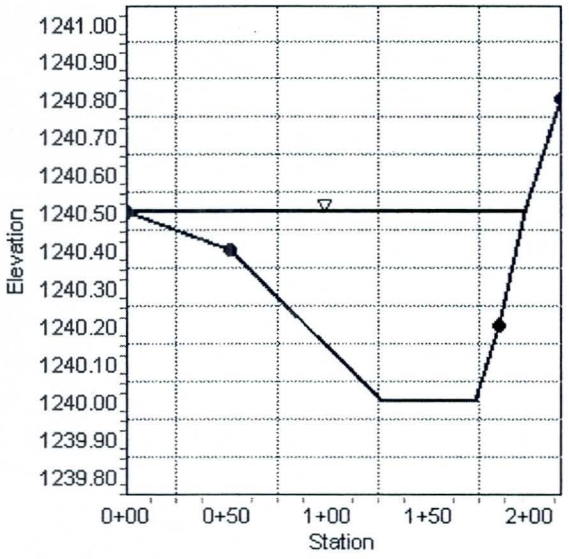
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01400	ft/ft
Normal Depth	0.50	ft
Discharge	87.32	ft³/s

Cross Section Image



Worksheet for A08-A

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00700	ft/ft
Normal Depth	0.25	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1160.30
0+03	1160.30
0+64	1160.10
1+06	1160.00
1+31	1160.00
1+49	1160.00
2+09	1160.00
2+80	1160.00
3+06	1160.60
3+07	1160.60

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1160.30)	(1+06, 1160.00)	0.050
(1+06, 1160.00)	(2+80, 1160.00)	0.045
(2+80, 1160.00)	(3+07, 1160.60)	0.050

Results

Discharge	52.78	ft^3/s
Elevation Range	1160.00 to 1160.60 ft	
Flow Area	56.69	ft^2
Wetted Perimeter	272.59	ft
Top Width	272.58	ft
Normal Depth	0.25	ft

Worksheet for A08-A

Results

Critical Depth		0.13	ft
Critical Slope		0.06543	ft/ft
Velocity		0.93	ft/s
Velocity Head		0.01	ft
Specific Energy		0.26	ft
Froude Number		0.36	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.25	ft
Critical Depth	0.13	ft
Channel Slope	0.00700	ft/ft
Critical Slope	0.06543	ft/ft

Cross Section for A08-A

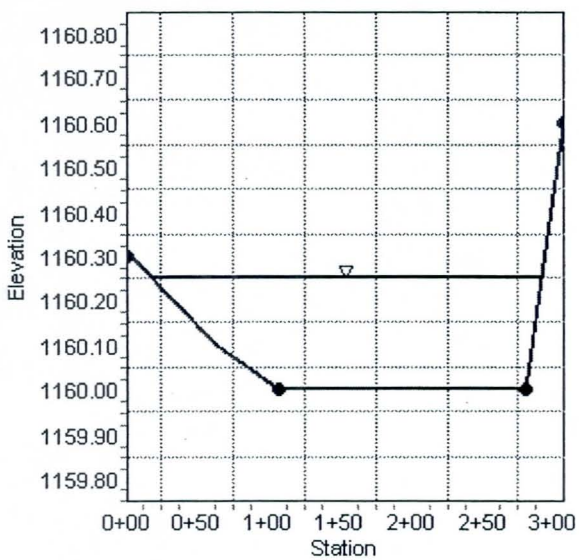
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00700	ft/ft
Normal Depth	0.25	ft
Discharge	52.78	ft^3/s

Cross Section Image



Worksheet for A08

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00700	ft/ft
Normal Depth	0.20	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1160.60
0+16	1160.60
1+20	1160.00
1+35	1160.00
1+67	1160.00
2+76	1160.60

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1160.60)	(1+20, 1160.00)	0.050
(1+20, 1160.00)	(1+67, 1160.00)	0.045
(1+67, 1160.00)	(2+76, 1160.60)	0.050

Results

Discharge	11.50	ft^3/s
Elevation Range	1160.00 to 1160.60 ft	
Flow Area	16.50	ft^2
Wetted Perimeter	118.00	ft
Top Width	118.00	ft
Normal Depth	0.20	ft
Critical Depth	0.11	ft
Critical Slope	0.07726	ft/ft
Velocity	0.70	ft/s
Velocity Head	0.01	ft

Worksheet for A08

Results

Specific Energy		0.21	ft
Froude Number		0.33	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.20	ft
Critical Depth	0.11	ft
Channel Slope	0.00700	ft/ft
Critical Slope	0.07726	ft/ft

Cross Section for A08

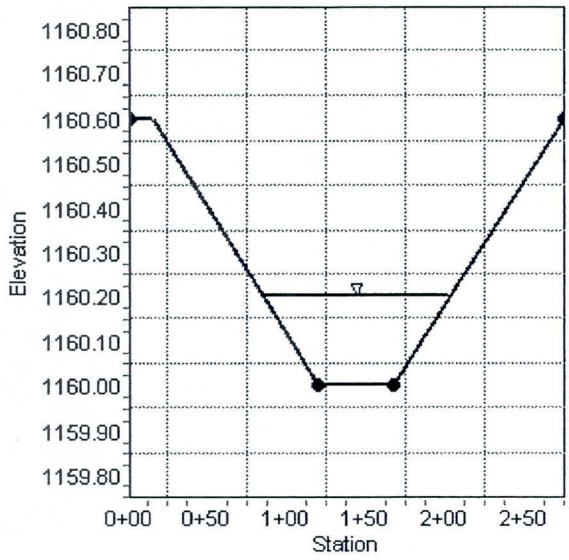
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00700	ft/ft
Normal Depth	0.20	ft
Discharge	11.50	ft³/s

Cross Section Image



Worksheet for A09-A*

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00750	ft/ft
Normal Depth	1.00	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1194.00
0+40	1193.00
0+50	1192.00
0+55	1192.00
0+65	1193.00
1+05	1194.00

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1194.00)	(0+40, 1193.00)	0.050
(0+40, 1193.00)	(0+65, 1193.00)	0.045
(0+65, 1193.00)	(1+05, 1194.00)	0.050

Results

Discharge		30.43	ft^3/s
Elevation Range	1192.00 to 1194.00 ft		
Flow Area		15.00	ft^2
Wetted Perimeter		25.10	ft
Top Width		25.00	ft
Normal Depth		1.00	ft
Critical Depth		0.69	ft
Critical Slope		0.03914	ft/ft
Velocity		2.03	ft/s
Velocity Head		0.06	ft

Worksheet for A09-A*

Results

Specific Energy	1.06	ft
Froude Number	0.46	
Flow Type	Subcritical	

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	1.00	ft
Critical Depth	0.69	ft
Channel Slope	0.00750	ft/ft
Critical Slope	0.03914	ft/ft

Cross Section for A09-A*

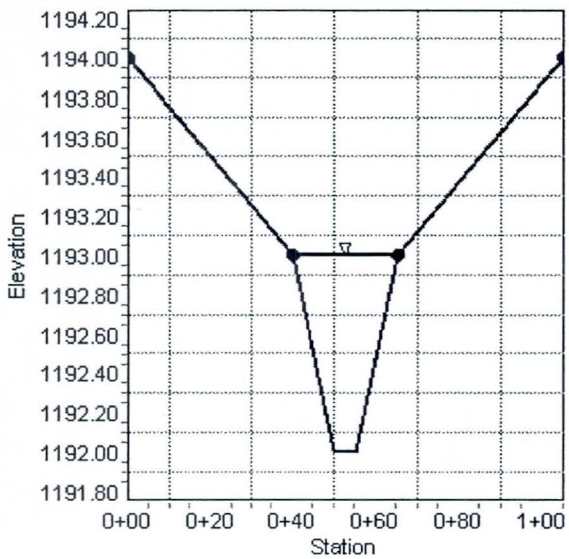
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00750	ft/ft
Normal Depth	1.00	ft
Discharge	30.43	ft³/s

Cross Section Image



Worksheet for A09*

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00750	ft/ft
Normal Depth	1.00	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1194.00
0+60	1193.00
0+70	1192.00
0+80	1192.00
0+90	1193.00
1+20	1194.00
1+50	1193.00
1+60	1192.00
1+80	1192.00
1+90	1193.00
2+80	1194.00
3+70	1193.00
3+80	1192.00
3+90	1192.00
4+00	1193.00
4+40	1194.00

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1194.00)	(0+60, 1193.00)	0.050
(0+60, 1193.00)	(0+90, 1193.00)	0.045
(0+90, 1193.00)	(1+50, 1193.00)	0.050
(1+50, 1193.00)	(1+90, 1193.00)	0.045
(1+90, 1193.00)	(3+70, 1193.00)	0.050

Worksheet for A09*

Input Data

Start Station	Ending Station	Roughness Coefficient
(3+70, 1193.00)	(4+00, 1193.00)	0.045
(4+00, 1193.00)	(4+40, 1194.00)	0.050

Results

Discharge		157.50	ft^3/s
Elevation Range	1192.00 to 1194.00 ft		
Flow Area		70.00	ft^2
Wetted Perimeter		100.30	ft
Top Width		100.00	ft
Normal Depth		1.00	ft
Critical Depth		0.66	ft
Critical Slope		0.03741	ft/ft
Velocity		2.25	ft/s
Velocity Head		0.08	ft
Specific Energy		1.08	ft
Froude Number		0.47	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	1.00	ft
Critical Depth	0.66	ft
Channel Slope	0.00750	ft/ft
Critical Slope	0.03741	ft/ft

Cross Section for A09*

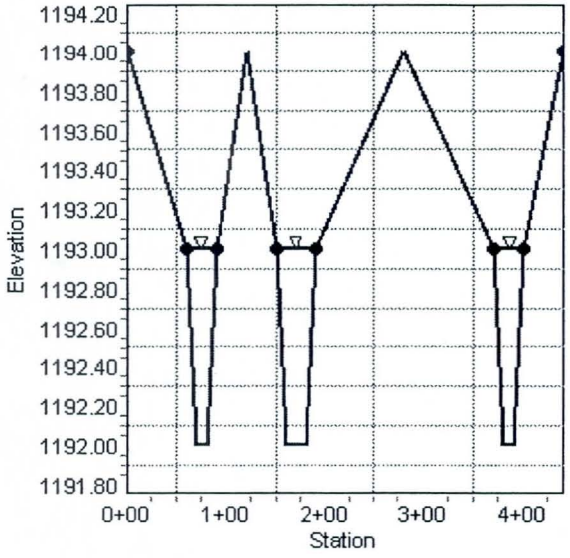
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00750	ft/ft
Normal Depth	1.00	ft
Discharge	157.50	ft³/s

Cross Section Image



Worksheet for A10-A*

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00850	ft/ft
Normal Depth	0.50	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1108.00
0+25	1107.50
0+50	1107.00
0+65	1106.00
0+70	1106.00
0+85	1107.00
1+05	1107.50
1+25	1108.00

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1108.00)	(0+50, 1107.00)	0.050
(0+50, 1107.00)	(0+85, 1107.00)	0.045
(0+85, 1107.00)	(1+25, 1108.00)	0.050

Results

Discharge	8.75	ft^3/s
Elevation Range	1106.00 to 1108.00 ft	
Flow Area	6.25	ft^2
Wetted Perimeter	20.03	ft
Top Width	20.00	ft
Normal Depth	0.50	ft
Critical Depth	0.33	ft
Critical Slope	0.04895	ft/ft

Worksheet for A10-A*

Results

Velocity	1.40	ft/s
Velocity Head	0.03	ft
Specific Energy	0.53	ft
Froude Number	0.44	
Flow Type	Subcritical	

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.50	ft
Critical Depth	0.33	ft
Channel Slope	0.00850	ft/ft
Critical Slope	0.04895	ft/ft

Cross Section for A10-A*

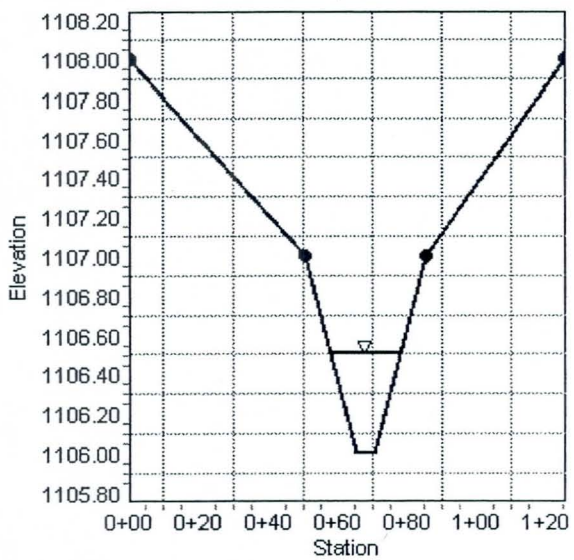
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00850	ft/ft
Normal Depth	0.50	ft
Discharge	8.75	ft^3/s

Cross Section Image



Worksheet for A10*

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00850	ft/ft
Normal Depth	2.00	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1108.00
0+25	1107.50
0+50	1107.00
0+60	1106.00
0+65	1106.00
0+75	1107.00
1+00	1107.50
1+25	1108.00

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1108.00)	(0+50, 1107.00)	0.050
(0+50, 1107.00)	(0+75, 1107.00)	0.045
(0+75, 1107.00)	(1+25, 1108.00)	0.050

Results

Discharge		201.85	ft^3/s
Elevation Range	1106.00 to 1108.00 ft		
Flow Area		90.00	ft^2
Wetted Perimeter		125.12	ft
Top Width		125.00	ft
Normal Depth		2.00	ft
Critical Depth		1.59	ft
Critical Slope		0.04252	ft/ft

Worksheet for A10*

Results

Velocity		2.24	ft/s
Velocity Head		0.08	ft
Specific Energy		2.08	ft
Froude Number		0.47	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	2.00	ft
Critical Depth	1.59	ft
Channel Slope	0.00850	ft/ft
Critical Slope	0.04252	ft/ft

Cross Section for A10*

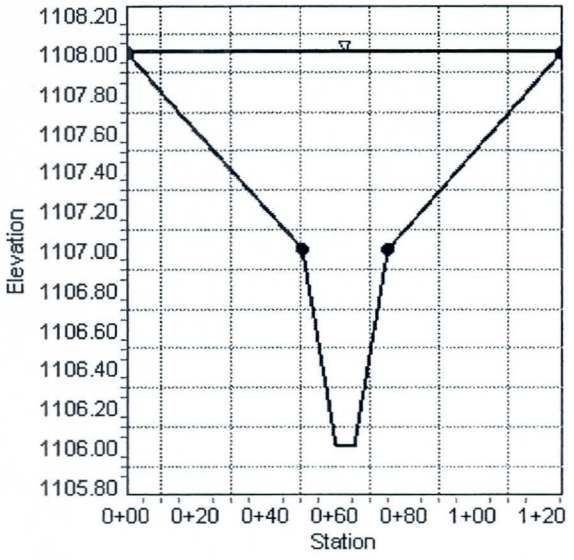
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00850	ft/ft
Normal Depth	2.00	ft
Discharge	201.85	ft³/s

Cross Section Image



Worksheet for A11-A*

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00790	ft/ft
Normal Depth	0.50	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1145.00
0+50	1144.50
1+00	1144.00
1+10	1143.00
1+15	1143.00
1+25	1144.00
1+75	1144.50
2+25	1145.00

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1145.00)	(1+00, 1144.00)	0.050
(1+00, 1144.00)	(1+25, 1144.00)	0.045
(1+25, 1144.00)	(2+25, 1145.00)	0.050

Results

Discharge	7.04	ft^3/s
Elevation Range	1143.00 to 1145.00 ft	
Flow Area	5.00	ft^2
Wetted Perimeter	15.05	ft
Top Width	15.00	ft
Normal Depth	0.50	ft
Critical Depth	0.32	ft
Critical Slope	0.04843	ft/ft

Worksheet for A11-A*

Results

Velocity		1.41	ft/s
Velocity Head		0.03	ft
Specific Energy		0.53	ft
Froude Number		0.43	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.50	ft
Critical Depth	0.32	ft
Channel Slope	0.00790	ft/ft
Critical Slope	0.04843	ft/ft

Cross Section for A11-A*

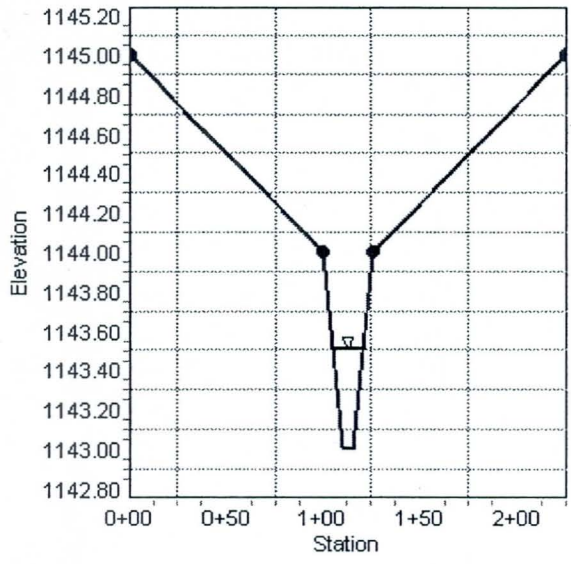
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00790	ft/ft
Normal Depth	0.50	ft
Discharge	7.04	ft³/s

Cross Section Image



Worksheet for A11

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00790	ft/ft
Normal Depth	0.50	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1145.00
0+50	1144.50
1+00	1144.00
1+10	1143.00
1+15	1143.00
1+25	1144.00
1+75	1144.50
2+25	1145.00

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1145.00)	(1+00, 1144.00)	0.050
(1+00, 1144.00)	(1+25, 1144.00)	0.045
(1+25, 1144.00)	(2+25, 1145.00)	0.050

Results

Discharge	7.04	ft³/s
Elevation Range	1143.00 to 1145.00 ft	
Flow Area	5.00	ft²
Wetted Perimeter	15.05	ft
Top Width	15.00	ft
Normal Depth	0.50	ft
Critical Depth	0.32	ft
Critical Slope	0.04843	ft/ft

Worksheet for A11

Results

Velocity		1.41	ft/s
Velocity Head		0.03	ft
Specific Energy		0.53	ft
Froude Number		0.43	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.50	ft
Critical Depth	0.32	ft
Channel Slope	0.00790	ft/ft
Critical Slope	0.04843	ft/ft

Cross Section for A11

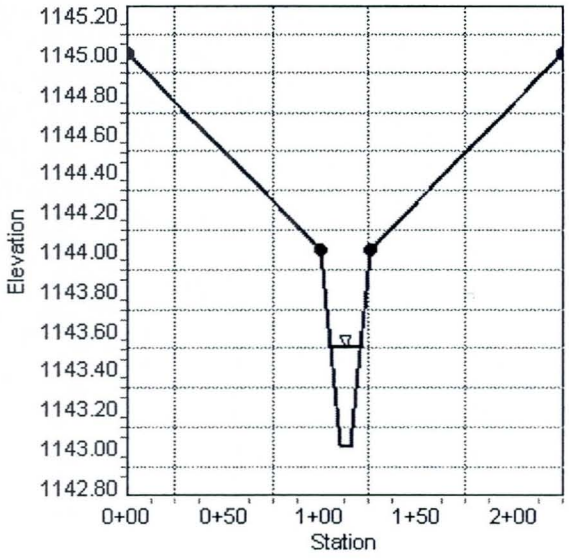
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00790	ft/ft
Normal Depth	0.50	ft
Discharge	7.04	ft³/s

Cross Section Image



Worksheet for A18

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00400	ft/ft
Normal Depth	2.00	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1098.00
0+07	1098.00
0+11	1098.00
0+14	1097.90
0+64	1096.00
0+91	1097.00
0+94	1098.00
1+05	1098.15
2+35	1099.00

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1098.00)	(0+11, 1098.00)	0.050
(0+11, 1098.00)	(0+94, 1098.00)	0.045
(0+94, 1098.00)	(2+35, 1099.00)	0.050

Results

Discharge	215.38	ft^3/s
Elevation Range	1096.00 to 1099.00 ft	
Flow Area	94.65	ft^2
Wetted Perimeter	83.22	ft
Top Width	83.00	ft
Normal Depth	2.00	ft
Critical Depth	1.31	ft

Worksheet for A18

Results

Critical Slope		0.03303	ft/ft
Velocity		2.28	ft/s
Velocity Head		0.08	ft
Specific Energy		2.08	ft
Froude Number		0.38	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	2.00	ft
Critical Depth	1.31	ft
Channel Slope	0.00400	ft/ft
Critical Slope	0.03303	ft/ft

Cross Section for A18

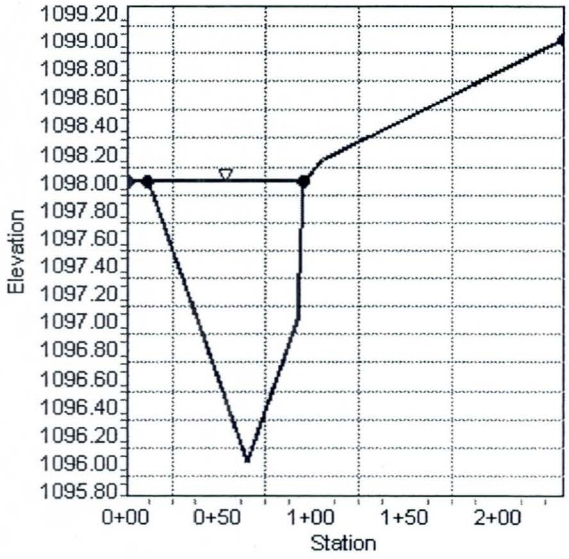
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00400	ft/ft
Normal Depth	2.00	ft
Discharge	215.38	ft³/s

Cross Section Image



Worksheet for A18-A

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01100	ft/ft
Normal Depth	0.60	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1098.00
0+36	1098.00
0+63	1098.00
1+01	1097.40
1+35	1098.00
1+92	1098.44

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1098.00)	(0+63, 1098.00)	0.050
(0+63, 1098.00)	(1+35, 1098.00)	0.045
(1+35, 1098.00)	(1+92, 1098.44)	0.050

Results

Discharge	33.52	ft³/s
Elevation Range	1097.40 to 1098.44 ft	
Flow Area	21.60	ft²
Wetted Perimeter	72.01	ft
Top Width	72.00	ft
Normal Depth	0.60	ft
Critical Depth	0.45	ft
Critical Slope	0.04837	ft/ft
Velocity	1.55	ft/s
Velocity Head	0.04	ft

Worksheet for A18-A

Results

Specific Energy		0.64	ft
Froude Number		0.50	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.60	ft
Critical Depth	0.45	ft
Channel Slope	0.01100	ft/ft
Critical Slope	0.04837	ft/ft

Cross Section for A18-A

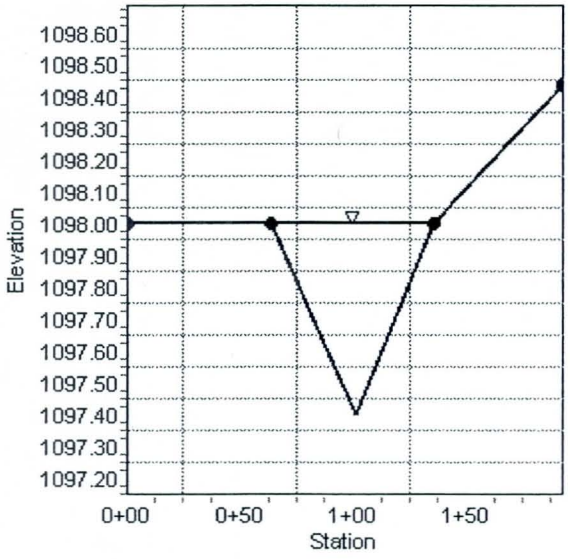
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01100	ft/ft
Normal Depth	0.60	ft
Discharge	33.52	ft^3/s

Cross Section Image



Worksheet for A20-A

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01300	ft/ft
Normal Depth	0.30	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1082.00
0+25	1082.00
0+42	1082.00
0+60	1081.20
0+75	1082.00
0+79	1082.00
0+80	1082.00

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1082.00)	(0+42, 1082.00)	0.050
(0+42, 1082.00)	(0+75, 1082.00)	0.045
(0+75, 1082.00)	(0+80, 1082.00)	0.050

Results

Discharge	1.97	ft^3/s
Elevation Range	1081.20 to 1082.00 ft	
Flow Area	1.86	ft^2
Wetted Perimeter	12.39	ft
Top Width	12.37	ft
Normal Depth	0.30	ft
Critical Depth	0.22	ft
Critical Slope	0.06128	ft/ft
Velocity	1.06	ft/s

Worksheet for A20-A

Results

Velocity Head	0.02	ft
Specific Energy	0.32	ft
Froude Number	0.48	
Flow Type	Subcritical	

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.30	ft
Critical Depth	0.22	ft
Channel Slope	0.01300	ft/ft
Critical Slope	0.06128	ft/ft

Cross Section for A20-A

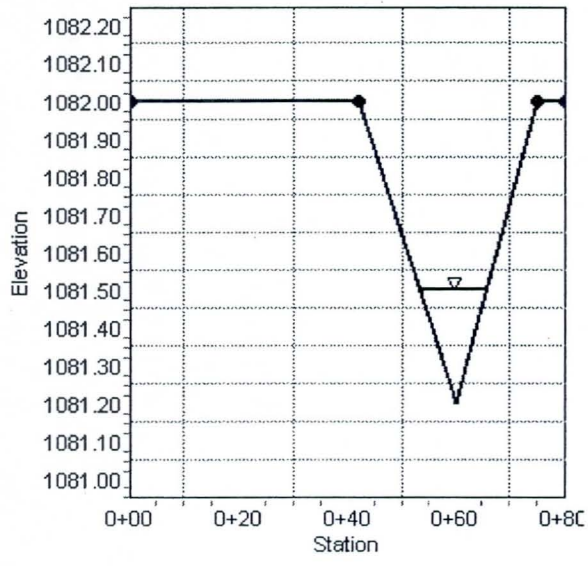
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01300	ft/ft
Normal Depth	0.30	ft
Discharge	1.97	ft³/s

Cross Section Image



Worksheet for A20

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01000	ft/ft
Normal Depth	0.10	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1081.44
0+30	1081.20
0+90	1081.20
1+56	1081.50

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1081.44)	(0+30, 1081.20)	0.050
(0+30, 1081.20)	(0+90, 1081.20)	0.045
(0+90, 1081.20)	(1+56, 1081.50)	0.050

Results

Discharge	4.61	ft^3/s
Elevation Range	1081.20 to 1081.50 ft	
Flow Area	7.72	ft^2
Wetted Perimeter	94.50	ft
Top Width	94.50	ft
Normal Depth	0.10	ft
Critical Depth	0.05	ft
Critical Slope	0.08837	ft/ft
Velocity	0.60	ft/s
Velocity Head	0.01	ft
Specific Energy	0.11	ft
Froude Number	0.37	

Worksheet for A20

Results

Flow Type	Subcritical

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.10	ft
Critical Depth	0.05	ft
Channel Slope	0.01000	ft/ft
Critical Slope	0.08837	ft/ft

Cross Section for A20

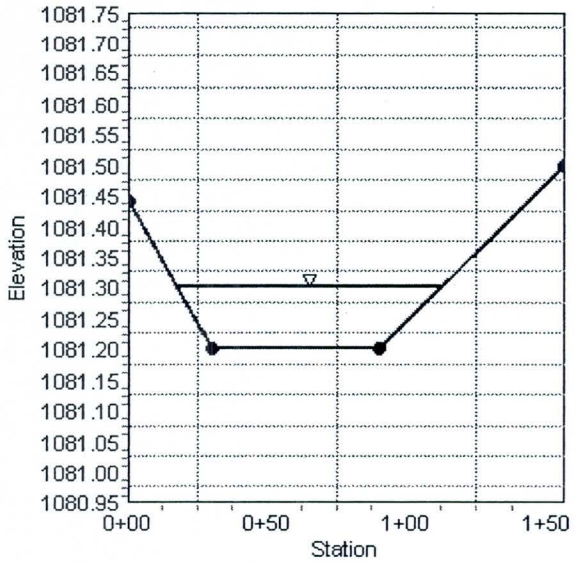
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01000	ft/ft
Normal Depth	0.10	ft
Discharge	4.61	ft³/s

Cross Section Image



Worksheet for A21-A

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01080	ft/ft
Normal Depth	2.00	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1127.00
0+90	1126.00
1+05	1125.00
1+20	1125.00
1+35	1126.00
2+35	1127.00
3+35	1126.00
3+45	1125.00
3+50	1125.00
3+60	1126.00
4+60	1127.00

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1127.00)	(0+90, 1126.00)	0.050
(0+90, 1126.00)	(1+35, 1126.00)	0.045
(1+35, 1126.00)	(3+35, 1126.00)	0.050
(3+35, 1126.00)	(3+60, 1126.00)	0.045
(3+60, 1126.00)	(4+60, 1127.00)	0.050

Results

Discharge	763.02	ft^3/s
Elevation Range	1125.00 to 1127.00 ft	
Flow Area	310.00	ft^2

Worksheet for A21-A

Results

Wetted Perimeter		460.19	ft
Top Width		460.00	ft
Normal Depth		2.00	ft
Critical Depth		1.68	ft
Critical Slope		0.04150	ft/ft
Velocity		2.46	ft/s
Velocity Head		0.09	ft
Specific Energy		2.09	ft
Froude Number		0.53	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	2.00	ft
Critical Depth	1.68	ft
Channel Slope	0.01080	ft/ft
Critical Slope	0.04150	ft/ft

Cross Section for A21-A

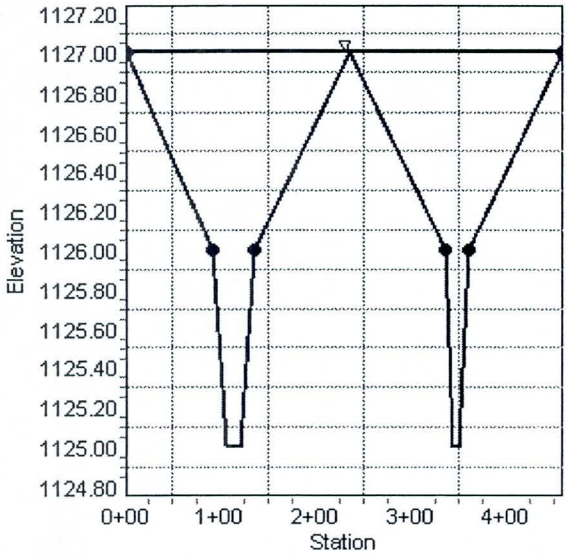
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01080	ft/ft
Normal Depth	2.00	ft
Discharge	763.02	ft³/s

Cross Section Image



Worksheet for A21

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01080	ft/ft
Normal Depth	2.00	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1127.00
0+90	1126.00
1+00	1125.00
1+05	1125.00
1+15	1126.00
1+95	1127.00
2+75	1126.00
2+85	1125.00
2+95	1125.00
3+05	1126.00
3+75	1127.00

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1127.00)	(0+90, 1126.00)	0.050
(0+90, 1126.00)	(1+15, 1126.00)	0.045
(1+15, 1126.00)	(2+75, 1126.00)	0.050
(2+75, 1126.00)	(3+05, 1126.00)	0.045
(3+05, 1126.00)	(3+75, 1127.00)	0.050

Results

Discharge		610.25	ft^3/s
Elevation Range	1125.00 to 1127.00 ft		
Flow Area		250.00	ft^2

Worksheet for A21

Results

Wetted Perimeter		375.22	ft
Top Width		375.00	ft
Normal Depth		2.00	ft
Critical Depth		1.68	ft
Critical Slope		0.04178	ft/ft
Velocity		2.44	ft/s
Velocity Head		0.09	ft
Specific Energy		2.09	ft
Froude Number		0.53	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	2.00	ft
Critical Depth	1.68	ft
Channel Slope	0.01080	ft/ft
Critical Slope	0.04178	ft/ft

Cross Section for A21

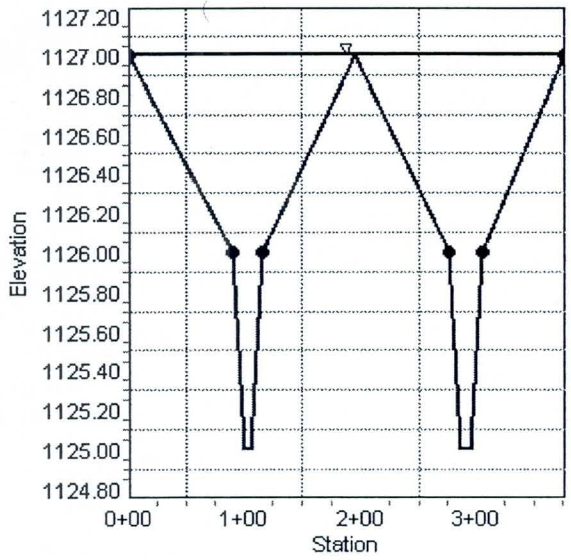
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01080	ft/ft
Normal Depth	2.00	ft
Discharge	610.25	ft³/s

Cross Section Image



Worksheet for A64-A

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00800	ft/ft
Normal Depth	0.30	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1163.60
0+44	1163.00
1+18	1162.70
1+72	1163.30
2+14	1163.60
3+50	1163.80

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1163.60)	(0+44, 1163.00)	0.050
(0+44, 1163.00)	(2+14, 1163.60)	0.045
(2+14, 1163.60)	(3+50, 1163.80)	0.050

Results

Discharge	12.63	ft^3/s
Elevation Range	1162.70 to 1163.80 ft	
Flow Area	15.15	ft^2
Wetted Perimeter	101.00	ft
Top Width	101.00	ft
Normal Depth	0.30	ft
Critical Depth	0.20	ft
Critical Slope	0.06319	ft/ft
Velocity	0.83	ft/s
Velocity Head	0.01	ft

Worksheet for A64-A

Results

Specific Energy		0.31	ft
Froude Number		0.38	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.30	ft
Critical Depth	0.20	ft
Channel Slope	0.00800	ft/ft
Critical Slope	0.06319	ft/ft

Cross Section for A64-A

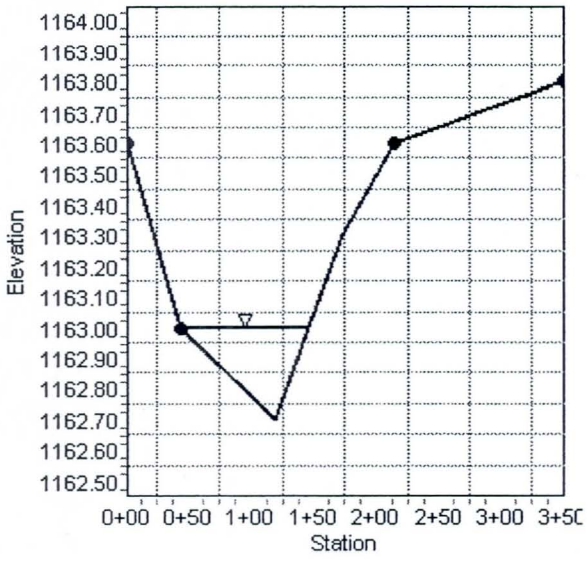
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00800	ft/ft
Normal Depth	0.30	ft
Discharge	12.63	ft³/s

Cross Section Image



Worksheet for A64

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00500	ft/ft
Normal Depth	0.20	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1163.90
0+60	1163.60
1+27	1163.30
1+61	1163.60
2+12	1163.60
2+15	1163.70

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1163.90)	(1+27, 1163.30)	0.050
(1+27, 1163.30)	(1+61, 1163.60)	0.045
(1+61, 1163.60)	(2+15, 1163.70)	0.050

Results

Discharge	3.15	ft^3/s
Elevation Range	1163.30 to 1163.90 ft	
Flow Area	6.74	ft^2
Wetted Perimeter	67.40	ft
Top Width	67.40	ft
Normal Depth	0.20	ft
Critical Depth	0.12	ft
Critical Slope	0.08791	ft/ft
Velocity	0.47	ft/s
Velocity Head	0.00	ft

Worksheet for A64

Results

Specific Energy	0.20	ft
Froude Number	0.26	
Flow Type	Subcritical	

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.20	ft
Critical Depth	0.12	ft
Channel Slope	0.00500	ft/ft
Critical Slope	0.08791	ft/ft

Cross Section for A64

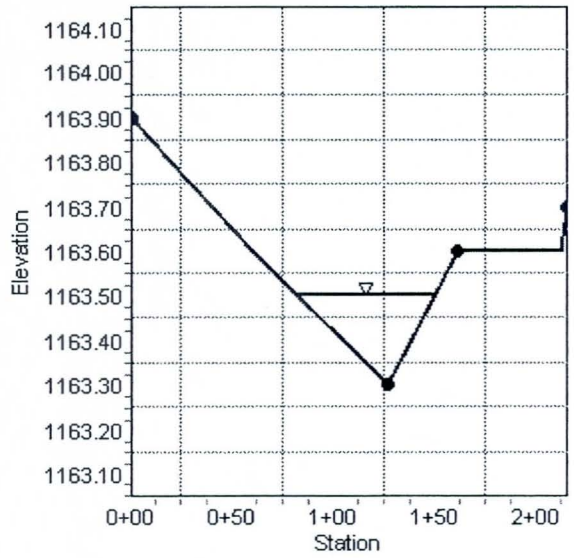
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00500	ft/ft
Normal Depth	0.20	ft
Discharge	3.15	ft³/s

Cross Section Image



Worksheet for B03-A*

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00630	ft/ft
Normal Depth	3.00	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1240.00
0+80	1239.00
0+95	1237.00
1+05	1237.00
1+20	1239.00
2+00	1240.00

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1240.00)	(0+80, 1239.00)	0.050
(0+80, 1239.00)	(1+20, 1239.00)	0.045
(1+20, 1239.00)	(2+00, 1240.00)	0.050

Results

Discharge	366.56	ft^3/s
Elevation Range	1237.00 to 1240.00 ft	
Flow Area	170.00	ft^2
Wetted Perimeter	200.28	ft
Top Width	200.00	ft
Normal Depth	3.00	ft
Critical Depth	2.35	ft
Critical Slope	0.03839	ft/ft
Velocity	2.16	ft/s
Velocity Head	0.07	ft

Worksheet for B03-A*

Results

Specific Energy		3.07	ft
Froude Number		0.41	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	3.00	ft
Critical Depth	2.35	ft
Channel Slope	0.00630	ft/ft
Critical Slope	0.03839	ft/ft

Cross Section for B03-A*

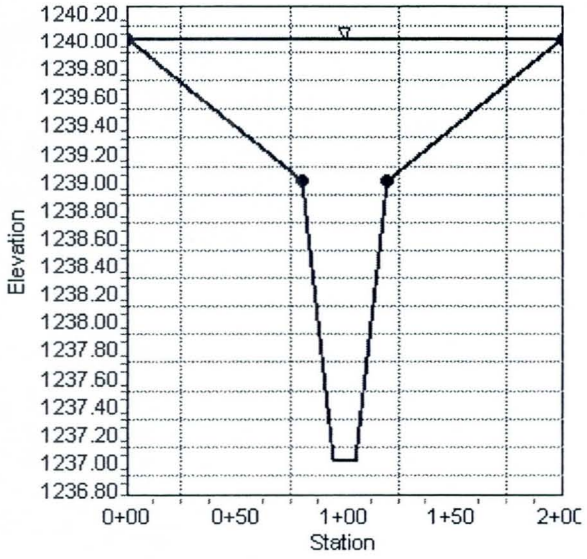
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00630	ft/ft
Normal Depth	3.00	ft
Discharge	366.56	ft³/s

Cross Section Image



Worksheet for B03*

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00630	ft/ft
Normal Depth	5.00	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1240.00
1+00	1238.00
1+30	1235.00
1+50	1235.00
1+80	1238.00
2+80	1240.00

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1240.00)	(1+00, 1238.00)	0.050
(1+00, 1238.00)	(1+80, 1238.00)	0.045
(1+80, 1238.00)	(2+80, 1240.00)	0.050

Results

Discharge	1843.63	ft^3/s
Elevation Range	1235.00 to 1240.00 ft	
Flow Area	510.00	ft^2
Wetted Perimeter	280.34	ft
Top Width	280.00	ft
Normal Depth	5.00	ft
Critical Depth	3.89	ft
Critical Slope	0.02988	ft/ft
Velocity	3.61	ft/s
Velocity Head	0.20	ft

Worksheet for B03*

Results

Specific Energy		5.20	ft
Froude Number		0.47	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	5.00	ft
Critical Depth	3.89	ft
Channel Slope	0.00630	ft/ft
Critical Slope	0.02988	ft/ft

Cross Section for B03*

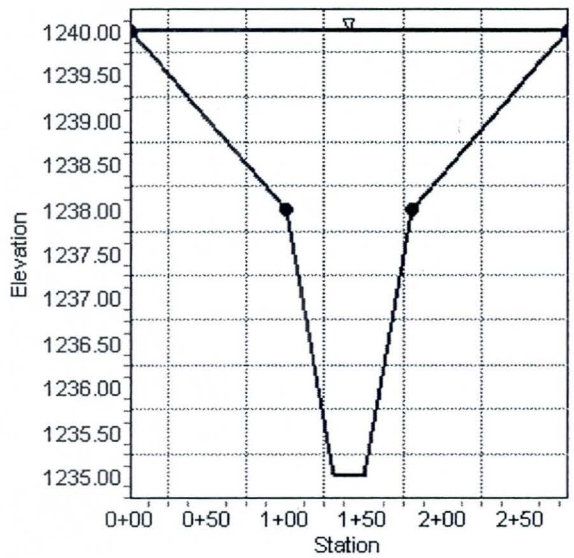
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00630	ft/ft
Normal Depth	5.00	ft
Discharge	1843.63	ft³/s

Cross Section Image



Worksheet for B13-A

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00600	ft/ft
Normal Depth	0.27	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1228.00
0+00	1228.00
0+25	1228.00
0+27	1228.00
0+28	1228.00
0+35	1227.85
0+84	1227.35
0+85	1227.36
1+09	1227.23
1+52	1227.85

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1228.00)	(0+28, 1228.00)	0.050
(0+28, 1228.00)	(1+09, 1227.23)	0.045
(1+09, 1227.23)	(1+52, 1227.85)	0.050

Results

Discharge	6.02	ft^3/s
Elevation Range	1227.23 to 1228.00 ft	
Flow Area	8.70	ft^2
Wetted Perimeter	58.43	ft
Top Width	58.43	ft
Normal Depth	0.27	ft

Worksheet for B13-A

Results

Critical Depth		0.17	ft
Critical Slope		0.07163	ft/ft
Velocity		0.69	ft/s
Velocity Head		0.01	ft
Specific Energy		0.28	ft
Froude Number		0.32	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.27	ft
Critical Depth	0.17	ft
Channel Slope	0.00600	ft/ft
Critical Slope	0.07163	ft/ft

Cross Section for B13-A

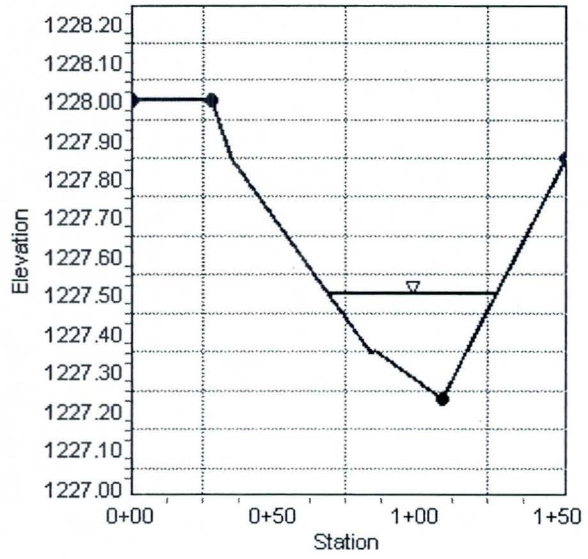
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00600	ft/ft
Normal Depth	0.27	ft
Discharge	6.02	ft³/s

Cross Section Image



Worksheet for B13

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00600	ft/ft
Normal Depth	1.00	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1228.00
0+37	1228.00
0+39	1227.75
0+51	1226.44
0+56	1226.00
0+58	1226.00
0+60	1226.00
0+65	1226.80
0+71	1228.00

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1228.00)	(0+39, 1227.75)	0.050
(0+39, 1227.75)	(0+65, 1226.80)	0.045
(0+65, 1226.80)	(0+71, 1228.00)	0.050

Results

Discharge	22.82	ft^3/s
Elevation Range	1226.00 to 1228.00 ft	
Flow Area	12.40	ft^2
Wetted Perimeter	20.16	ft
Top Width	20.03	ft
Normal Depth	1.00	ft
Critical Depth	0.65	ft

Worksheet for B13

Results

Critical Slope		0.04021	ft/ft
Velocity		1.84	ft/s
Velocity Head		0.05	ft
Specific Energy		1.05	ft
Froude Number		0.41	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth		0.00	ft
Length		0.00	ft
Number Of Steps		0	

GVF Output Data

Upstream Depth		0.00	ft
Profile Description			
Profile Headloss		0.00	ft
Downstream Velocity		Infinity	ft/s
Upstream Velocity		Infinity	ft/s
Normal Depth		1.00	ft
Critical Depth		0.65	ft
Channel Slope		0.00600	ft/ft
Critical Slope		0.04021	ft/ft

Cross Section for B13

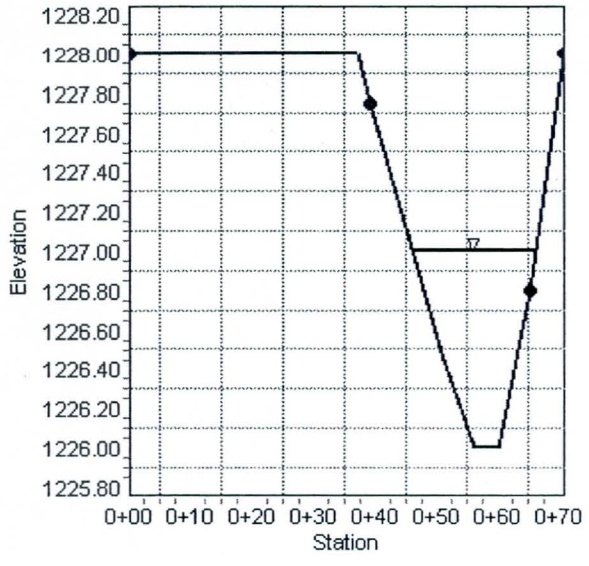
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00600	ft/ft
Normal Depth	1.00	ft
Discharge	22.82	ft³/s

Cross Section Image



Worksheet for B17-A

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00700	ft/ft
Normal Depth	0.30	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1208.00
0+11	1208.00
0+19	1208.00
0+20	1207.98
0+22	1207.90
0+27	1207.80
0+79	1207.20
1+02	1207.80
1+03	1207.83
1+08	1208.00
1+42	1208.00

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1208.00)	(0+19, 1208.00)	0.050
(0+19, 1208.00)	(1+08, 1208.00)	0.045
(1+08, 1208.00)	(1+42, 1208.00)	0.050

Results

Discharge	4.39	ft^3/s
Elevation Range	1207.20 to 1208.00 ft	
Flow Area	5.62	ft^2
Wetted Perimeter	37.51	ft
Top Width	37.50	ft

Worksheet for B17-A

Results

Normal Depth		0.30	ft
Critical Depth		0.20	ft
Critical Slope		0.06375	ft/ft
Velocity		0.78	ft/s
Velocity Head		0.01	ft
Specific Energy		0.31	ft
Froude Number		0.35	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth		0.00	ft
Length		0.00	ft
Number Of Steps		0	

GVF Output Data

Upstream Depth		0.00	ft
Profile Description			
Profile Headloss		0.00	ft
Downstream Velocity		Infinity	ft/s
Upstream Velocity		Infinity	ft/s
Normal Depth		0.30	ft
Critical Depth		0.20	ft
Channel Slope		0.00700	ft/ft
Critical Slope		0.06375	ft/ft

Cross Section for B17-A

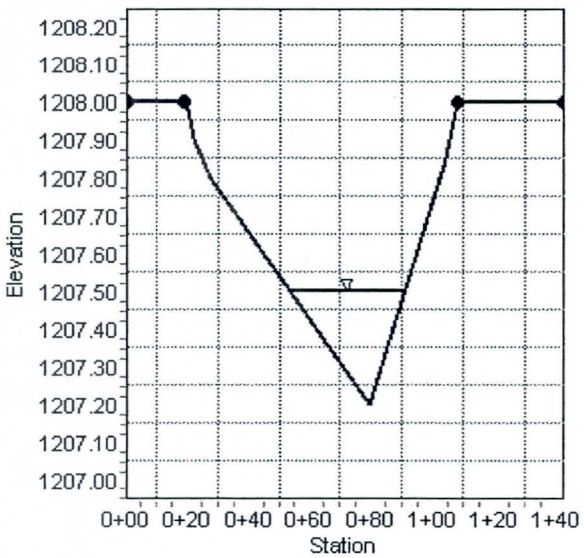
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00700	ft/ft
Normal Depth	0.30	ft
Discharge	4.39	ft^3/s

Cross Section Image



Worksheet for B17

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00600	ft/ft
Normal Depth	0.70	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1208.00
0+24	1208.00
0+28	1208.00
0+32	1208.00
0+33	1208.00
0+85	1207.30
1+10	1207.40
1+12	1208.00
1+14	1208.00
1+39	1208.00
1+73	1208.00

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1208.00)	(0+28, 1208.00)	0.050
(0+28, 1208.00)	(1+14, 1208.00)	0.045
(1+14, 1208.00)	(1+73, 1208.00)	0.050

Results

Discharge		52.11	ft^3/s
Elevation Range	1207.30 to 1208.00 ft		
Flow Area		35.05	ft^2
Wetted Perimeter		79.09	ft
Top Width		79.00	ft

Worksheet for B17

Results

Normal Depth		0.70	ft
Critical Depth		0.44	ft
Critical Slope		0.04461	ft/ft
Velocity		1.49	ft/s
Velocity Head		0.03	ft
Specific Energy		0.73	ft
Froude Number		0.39	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth		0.00	ft
Length		0.00	ft
Number Of Steps		0	

GVF Output Data

Upstream Depth		0.00	ft
Profile Description			
Profile Headloss		0.00	ft
Downstream Velocity		Infinity	ft/s
Upstream Velocity		Infinity	ft/s
Normal Depth		0.70	ft
Critical Depth		0.44	ft
Channel Slope		0.00600	ft/ft
Critical Slope		0.04461	ft/ft

Cross Section for B17

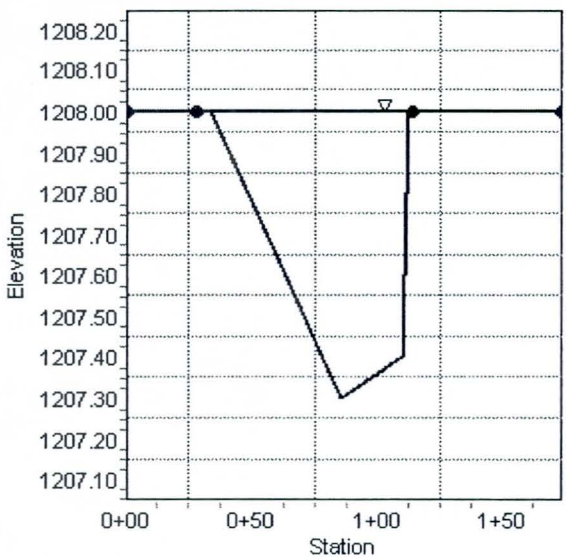
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00600	ft/ft
Normal Depth	0.70	ft
Discharge	52.11	ft^3/s

Cross Section Image



Worksheet for B23-A

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00800	ft/ft
Normal Depth	0.16	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1169.00
0+04	1169.01
0+05	1169.00
0+20	1168.90
0+25	1168.90
0+29	1168.90
0+45	1168.74
0+46	1168.73
0+71	1168.69
1+24	1168.92
1+25	1168.92
1+74	1169.04
1+77	1169.04
1+78	1169.05
1+81	1169.04
1+85	1169.04
1+88	1169.04
1+92	1169.03

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1169.00)	(0+29, 1168.90)	0.050
(0+29, 1168.90)	(1+24, 1168.92)	0.045
(1+24, 1168.92)	(1+92, 1169.03)	0.050

Worksheet for B23-A

Results

Discharge		4.48	ft³/s
Elevation Range	1168.69 to 1169.05 ft		
Flow Area		7.18	ft²
Wetted Perimeter		73.87	ft
Top Width		73.87	ft
Normal Depth		0.16	ft
Critical Depth		0.10	ft
Critical Slope		0.07518	ft/ft
Velocity		0.62	ft/s
Velocity Head		0.01	ft
Specific Energy		0.17	ft
Froude Number		0.35	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.16	ft
Critical Depth	0.10	ft
Channel Slope	0.00800	ft/ft
Critical Slope	0.07518	ft/ft

Cross Section for B23-A

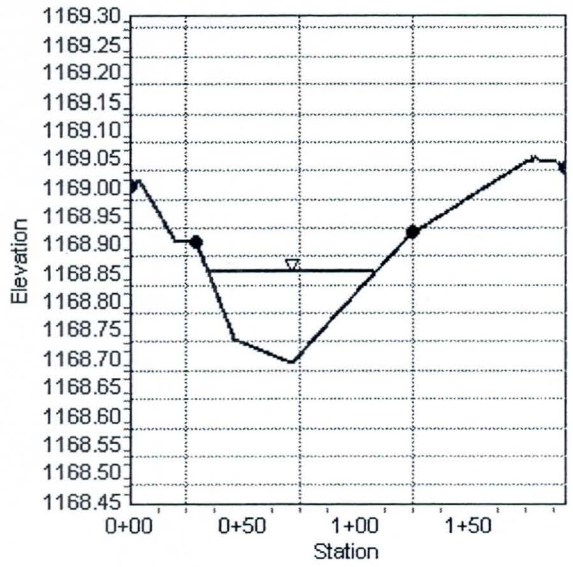
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00800	ft/ft
Normal Depth	0.16	ft
Discharge	4.48	ft³/s

Cross Section Image



Worksheet for B23

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01200	ft/ft
Normal Depth	0.50	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1168.70
0+25	1168.00
0+85	1168.00
1+24	1168.40
1+26	1168.40
1+28	1168.40
1+28	1168.40
1+33	1168.50

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1168.70)	(0+85, 1168.00)	0.050
(0+85, 1168.00)	(1+28, 1168.40)	0.045
(1+28, 1168.40)	(1+33, 1168.50)	0.050

Results

Discharge		81.48	ft^3/s
Elevation Range	1168.00 to 1168.70 ft		
Flow Area		46.81	ft^2
Wetted Perimeter		125.87	ft
Top Width		125.86	ft
Normal Depth		0.50	ft
Critical Depth		0.34	ft
Critical Slope		0.05305	ft/ft

Worksheet for B23

Results

Velocity		1.74	ft/s
Velocity Head		0.05	ft
Specific Energy		0.55	ft
Froude Number		0.50	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.50	ft
Critical Depth	0.34	ft
Channel Slope	0.01200	ft/ft
Critical Slope	0.05305	ft/ft

Cross Section for B23

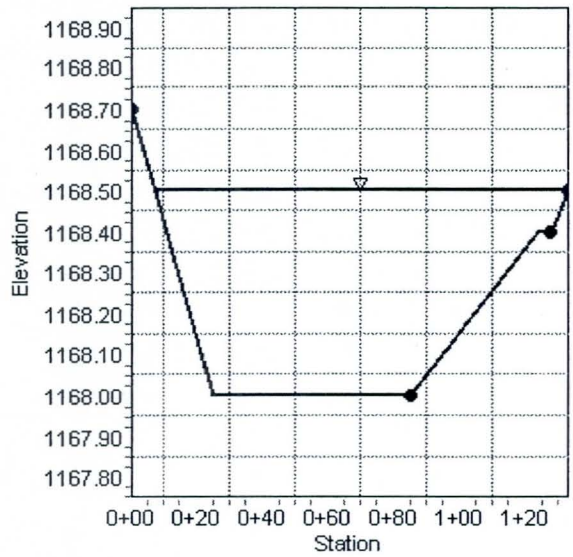
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01200	ft/ft
Normal Depth	0.50	ft
Discharge	81.48	ft³/s

Cross Section Image



Worksheet for B26-A

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00500	ft/ft
Normal Depth	0.06	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1118.00
0+87	1118.00
0+89	1117.99
0+93	1117.98
1+21	1117.94
1+43	1118.00
1+52	1118.00

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1118.00)	(0+89, 1117.99)	0.044
(0+89, 1117.99)	(1+43, 1118.00)	0.049
(1+43, 1118.00)	(1+52, 1118.00)	0.044

Results

Discharge	0.41	ft^3/s
Elevation Range	1117.94 to 1118.00 ft	
Flow Area	1.86	ft^2
Wetted Perimeter	56.20	ft
Top Width	56.20	ft
Normal Depth	0.06	ft
Critical Depth	0.03	ft
Critical Slope	0.13672	ft/ft
Velocity	0.22	ft/s

Worksheet for B26-A

Results

Velocity Head	0.00	ft
Specific Energy	0.06	ft
Froude Number	0.22	
Flow Type	Subcritical	

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.06	ft
Critical Depth	0.03	ft
Channel Slope	0.00500	ft/ft
Critical Slope	0.13672	ft/ft

Cross Section for B26-A

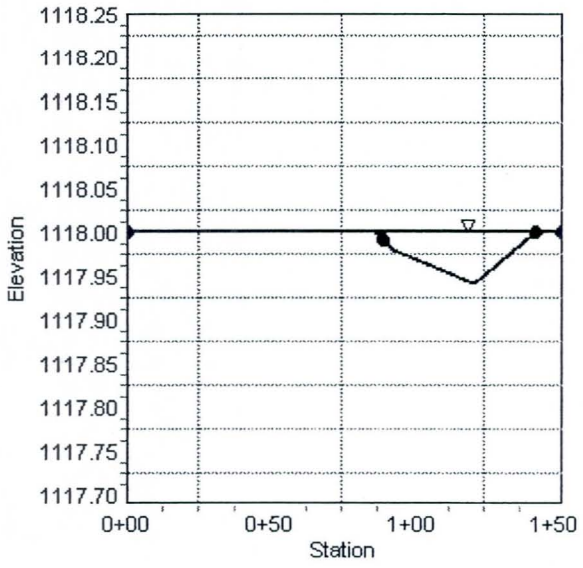
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00500	ft/ft
Normal Depth	0.06	ft
Discharge	0.41	ft^3/s

Cross Section Image



Worksheet for B26

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00400	ft/ft
Normal Depth	0.30	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1118.00
0+03	1118.00
0+05	1118.00
0+07	1118.00
0+21	1118.00
0+82	1118.00
0+87	1117.73
0+88	1117.60
0+93	1117.32
0+95	1116.94
0+97	1116.82
0+97	1116.70
1+01	1118.00
1+04	1118.00

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1118.00)	(0+82, 1118.00)	0.044
(0+82, 1118.00)	(1+01, 1118.00)	0.049
(1+01, 1118.00)	(1+04, 1118.00)	0.044

Results

Discharge	0.25	ft^3/s
Elevation Range	1116.70 to 1118.00 ft	

Worksheet for B26

Results

Flow Area	0.47	ft²
Wetted Perimeter	3.25	ft
Top Width	3.18	ft
Normal Depth	0.30	ft
Critical Depth	0.18	ft
Critical Slope	0.08297	ft/ft
Velocity	0.53	ft/s
Velocity Head	0.00	ft
Specific Energy	0.30	ft
Froude Number	0.24	
Flow Type	Subcritical	

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.30	ft
Critical Depth	0.18	ft
Channel Slope	0.00400	ft/ft
Critical Slope	0.08297	ft/ft

Cross Section for B26

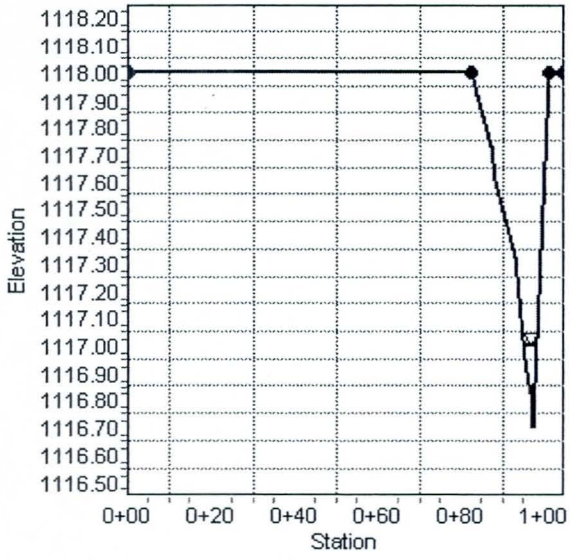
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00400	ft/ft
Normal Depth	0.30	ft
Discharge	0.25	ft³/s

Cross Section Image



Worksheet for B30-A

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01000	ft/ft
Normal Depth	0.17	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1150.00
0+34	1150.00
0+90	1148.83
0+91	1148.85
0+96	1148.84
1+09	1149.05
1+37	1150.00
1+84	1150.00

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1150.00)	(0+34, 1150.00)	0.050
(0+34, 1150.00)	(1+37, 1150.00)	0.045
(1+37, 1150.00)	(1+84, 1150.00)	0.050

Results

Discharge	1.73	ft^3/s
Elevation Range	1148.83 to 1150.00 ft	
Flow Area	2.42	ft^2
Wetted Perimeter	24.04	ft
Top Width	24.04	ft
Normal Depth	0.17	ft
Critical Depth	0.11	ft
Critical Slope	0.07260	ft/ft

Worksheet for B30-A

Results

Velocity		0.71	ft/s
Velocity Head		0.01	ft
Specific Energy		0.18	ft
Froude Number		0.40	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.17	ft
Critical Depth	0.11	ft
Channel Slope	0.01000	ft/ft
Critical Slope	0.07260	ft/ft

Cross Section for B30-A

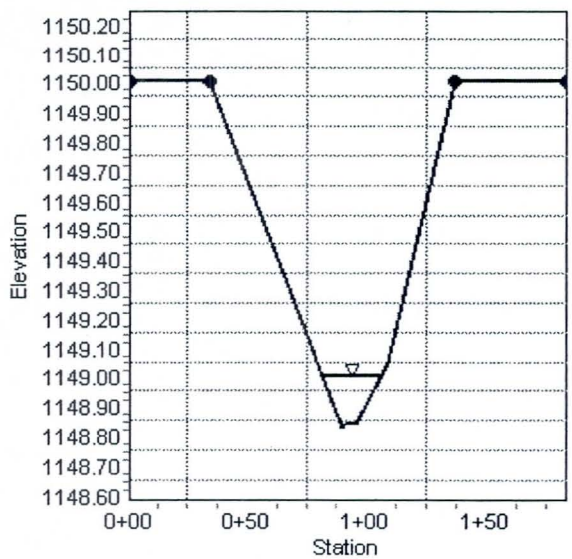
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01000	ft/ft
Normal Depth	0.17	ft
Discharge	1.73	ft³/s

Cross Section Image



Worksheet for B30

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00900	ft/ft
Normal Depth	0.08	ft

Section Definitions

Station (ft)	Elevation (ft)
0+13	1150.00
0+16	1150.00
0+31	1150.00
0+36	1149.94
0+82	1149.92
0+86	1150.00
0+89	1150.00
1+68	1150.00

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+13, 1150.00)	(0+31, 1150.00)	0.050
(0+31, 1150.00)	(0+86, 1150.00)	0.045
(0+86, 1150.00)	(1+68, 1150.00)	0.050

Results

Discharge	1.77	ft^3/s
Elevation Range	1149.92 to 1150.00 ft	
Flow Area	3.52	ft^2
Wetted Perimeter	54.50	ft
Top Width	54.50	ft
Normal Depth	0.08	ft
Critical Depth	0.05	ft
Critical Slope	0.09135	ft/ft

Worksheet for B30

Results

Velocity		0.50	ft/s
Velocity Head		0.00	ft
Specific Energy		0.08	ft
Froude Number		0.35	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.08	ft
Critical Depth	0.05	ft
Channel Slope	0.00900	ft/ft
Critical Slope	0.09135	ft/ft

Cross Section for B30

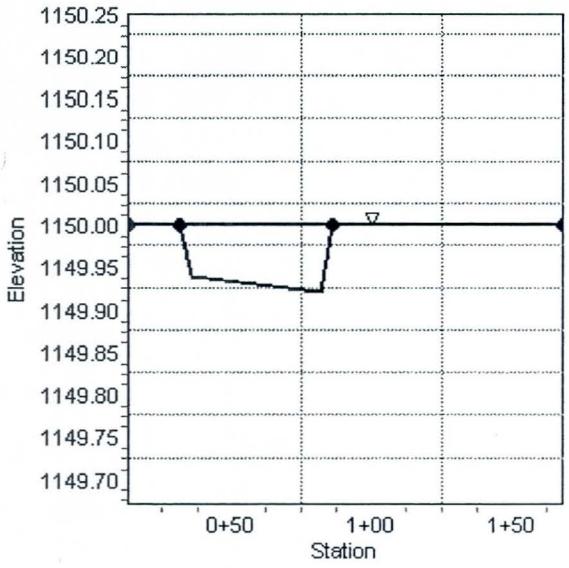
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00900	ft/ft
Normal Depth	0.08	ft
Discharge	1.77	ft³/s

Cross Section Image



Worksheet for B03-B*

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00630	ft/ft
Normal Depth	6.00	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1240.00
1+70	1239.00
1+80	1236.00
1+90	1236.00
2+00	1239.00
2+90	1240.00
3+80	1239.00
3+90	1236.00
4+00	1236.00
4+10	1239.00
4+70	1240.00
5+30	1239.00
5+50	1234.00
5+60	1234.00
5+80	1239.00
6+60	1240.00
7+40	1239.00
7+60	1235.00
7+70	1235.00
7+90	1239.00
8+60	1240.00
9+30	1239.00
9+50	1235.00
9+60	1235.00
9+80	1239.00
11+00	1240.00

Roughness Segment Definitions

Worksheet for B03-B*

Input Data

Start Station	Ending Station	Roughness Coefficient
(0+00, 1240.00)	(1+70, 1239.00)	0.050
(1+70, 1239.00)	(2+00, 1239.00)	0.045
(2+00, 1239.00)	(3+80, 1239.00)	0.050
(3+80, 1239.00)	(4+10, 1239.00)	0.045
(4+10, 1239.00)	(5+30, 1239.00)	0.050
(5+30, 1239.00)	(5+80, 1239.00)	0.045
(5+80, 1239.00)	(7+40, 1239.00)	0.050
(7+40, 1239.00)	(7+90, 1239.00)	0.045
(7+90, 1239.00)	(9+30, 1239.00)	0.050
(9+30, 1239.00)	(9+80, 1239.00)	0.045
(9+80, 1239.00)	(11+00, 1240.00)	0.050

Results

Discharge		2982.29	ft^3/s
Elevation Range	1234.00 to 1240.00 ft		
Flow Area		1165.00	ft^2
Wetted Perimeter		1104.64	ft
Top Width		1100.00	ft
Normal Depth		6.00	ft
Critical Depth		4.27	ft
Critical Slope		0.02688	ft/ft
Velocity		2.56	ft/s
Velocity Head		0.10	ft
Specific Energy		6.10	ft
Froude Number		0.44	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft

Worksheet for B03-B*

GVF Output Data

Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	6.00	ft
Critical Depth	4.27	ft
Channel Slope	0.00630	ft/ft
Critical Slope	0.02688	ft/ft

Cross Section for B03-B*

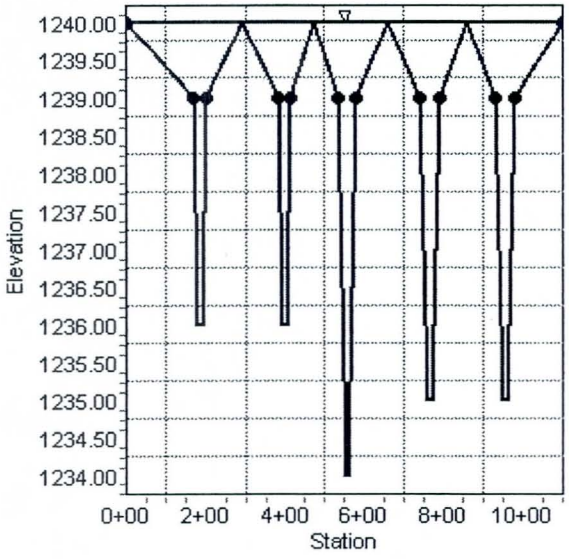
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00630	ft/ft
Normal Depth	6.00	ft
Discharge	2982.29	ft^3/s

Cross Section Image



Worksheet for C46-A

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00900	ft/ft
Normal Depth	1.00	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1234.00
0+72	1234.00
0+78	1233.90
0+94	1233.76
0+95	1233.75
1+01	1233.69
1+02	1233.67
2+30	1232.60
2+42	1232.62
2+43	1232.62
2+47	1232.63
2+55	1232.70
2+58	1232.70
2+62	1232.70
3+28	1233.38
3+64	1234.00
3+68	1234.00
3+80	1232.09
3+81	1232.00
3+82	1232.00
3+89	1234.00
3+96	1234.00

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient

Worksheet for C46-A

Input Data

Start Station	Ending Station	Roughness Coefficient
(0+00, 1234.00)	(0+78, 1233.90)	0.050
(0+78, 1233.90)	(3+89, 1234.00)	0.045
(3+89, 1234.00)	(3+96, 1234.00)	0.050

Results

Discharge		39.80	ft^3/s
Elevation Range	1232.00 to 1234.00 ft		
Flow Area		31.21	ft^2
Wetted Perimeter		120.15	ft
Top Width		119.94	ft
Normal Depth		1.00	ft
Critical Depth		0.86	ft
Critical Slope		0.05179	ft/ft
Velocity		1.28	ft/s
Velocity Head		0.03	ft
Specific Energy		1.03	ft
Froude Number		0.44	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	1.00	ft
Critical Depth	0.86	ft
Channel Slope	0.00900	ft/ft
Critical Slope	0.05179	ft/ft

Cross Section for C46-A

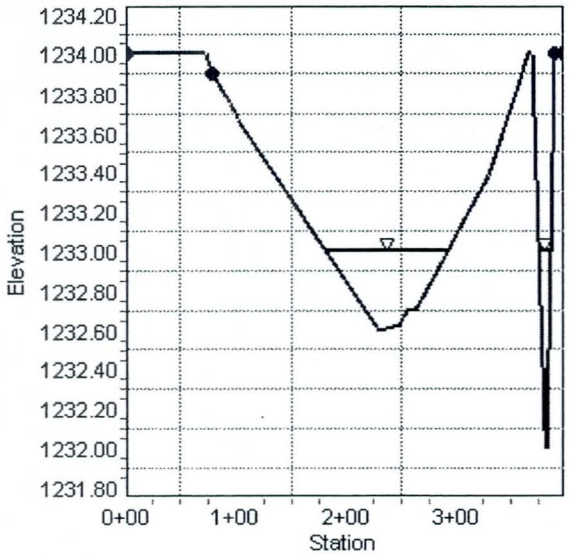
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00900	ft/ft
Normal Depth	1.00	ft
Discharge	39.80	ft³/s

Cross Section Image



Worksheet for C46

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00700	ft/ft
Normal Depth	0.50	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1233.40
0+21	1233.20
0+27	1233.20
0+35	1233.10
0+36	1233.10
0+39	1233.08
0+49	1232.90
0+74	1232.80
0+78	1232.80
0+88	1232.60
1+15	1232.60
1+22	1232.50
1+23	1232.50
1+24	1232.50
1+25	1232.50
1+39	1232.60
1+41	1232.60
1+57	1232.70
1+63	1232.80
1+65	1232.90
1+67	1232.90
2+29	1233.50
2+45	1233.60
2+56	1233.70
2+74	1233.90
2+74	1233.90
2+76	1233.90

Worksheet for C46

Input Data

Station (ft)	Elevation (ft)
2+82	1234.00
2+87	1234.00

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1233.40)	(0+27, 1233.20)	0.050
(0+27, 1233.20)	(1+67, 1232.90)	0.045
(1+67, 1232.90)	(3+08, 1234.00)	0.050

Results

Discharge		45.91	ft^3/s
Elevation Range	1232.50 to 1234.00 ft		
Flow Area		38.49	ft^2
Wetted Perimeter		133.90	ft
Top Width		133.89	ft
Normal Depth		0.50	ft
Critical Depth		0.33	ft
Critical Slope		0.05221	ft/ft
Velocity		1.19	ft/s
Velocity Head		0.02	ft
Specific Energy		0.52	ft
Froude Number		0.39	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft

Worksheet for C46

GVF Output Data

Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.50	ft
Critical Depth	0.33	ft
Channel Slope	0.00700	ft/ft
Critical Slope	0.05221	ft/ft

Cross Section for C46

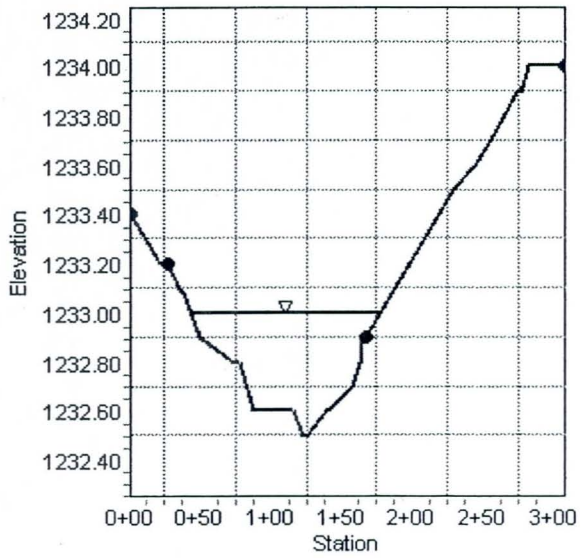
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00700	ft/ft
Normal Depth	0.50	ft
Discharge	45.91	ft^3/s

Cross Section Image



Worksheet for E13-A

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00300	ft/ft
Normal Depth	0.10	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1421.90
0+01	1421.90
0+02	1421.90
0+56	1422.02
0+93	1422.03
1+66	1422.14
2+23	1422.29
2+89	1422.53
3+06	1422.60
3+09	1422.60
3+91	1422.70

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1421.90)	(0+56, 1422.02)	0.050
(0+56, 1422.02)	(2+89, 1422.53)	0.045
(2+89, 1422.53)	(3+91, 1422.70)	0.050

Results

Discharge	0.56	ft^3/s
Elevation Range	1421.90 to 1422.70 ft	
Flow Area	2.45	ft^2
Wetted Perimeter	47.10	ft
Top Width	47.00	ft

Worksheet for E13-A

Results

Normal Depth	0.10	ft
Critical Depth	0.05	ft
Critical Slope	0.12325	ft/ft
Velocity	0.23	ft/s
Velocity Head	0.00	ft
Specific Energy	0.10	ft
Froude Number	0.18	
Flow Type	Subcritical	

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.10	ft
Critical Depth	0.05	ft
Channel Slope	0.00300	ft/ft
Critical Slope	0.12325	ft/ft

Cross Section for E13-A

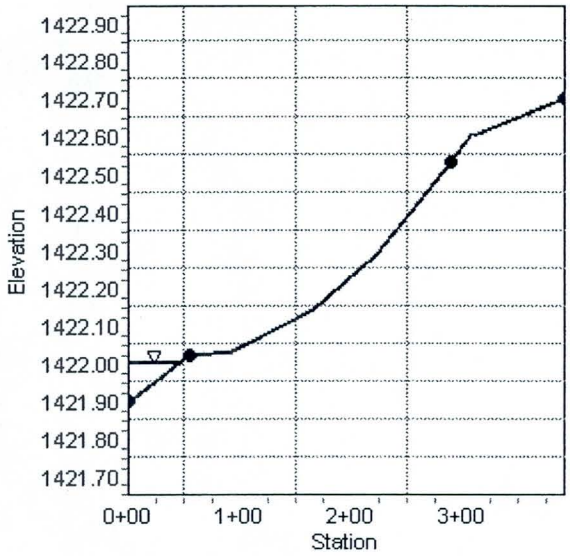
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00300	ft/ft
Normal Depth	0.10	ft
Discharge	0.56	ft³/s

Cross Section Image



Worksheet for E13

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00300	ft/ft
Normal Depth	0.26	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1421.24
0+41	1421.29
0+42	1421.30
0+46	1421.31
0+50	1421.33
0+51	1421.33
0+55	1421.36
1+89	1421.81
2+32	1421.86
3+06	1421.85
3+37	1421.91
3+39	1421.91
3+56	1421.92
3+96	1421.95
3+97	1421.96
3+97	1421.96

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1421.24)	(0+46, 1421.31)	0.050
(0+46, 1421.31)	(2+32, 1421.86)	0.045
(2+32, 1421.86)	(3+97, 1421.96)	0.050

Worksheet for E13

Results

Discharge		7.45	ft^3/s
Elevation Range	1421.24 to 1421.96 ft		
Flow Area		15.05	ft^2
Wetted Perimeter		96.95	ft
Top Width		96.69	ft
Normal Depth		0.26	ft
Critical Depth		0.12	ft
Critical Slope		0.07567	ft/ft
Velocity		0.50	ft/s
Velocity Head		0.00	ft
Specific Energy		0.26	ft
Froude Number		0.22	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.26	ft
Critical Depth	0.12	ft
Channel Slope	0.00300	ft/ft
Critical Slope	0.07567	ft/ft

Cross Section for E13

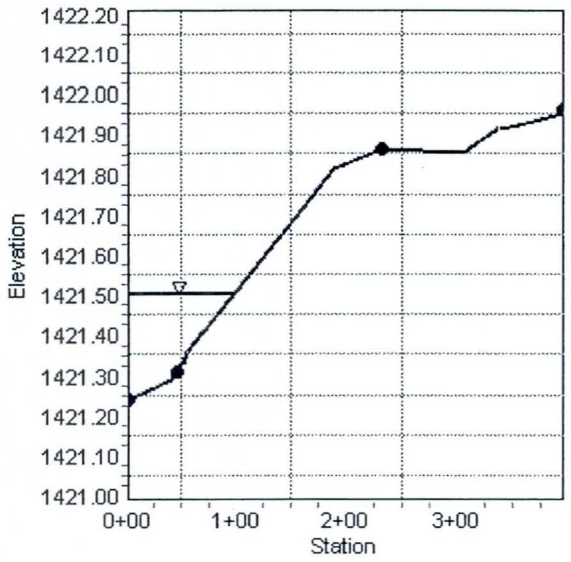
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00300	ft/ft
Normal Depth	0.26	ft
Discharge	7.45	ft³/s

Cross Section Image



Worksheet for E19-A*

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00610	ft/ft
Normal Depth	0.50	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1425.00
0+25	1424.00
1+25	1424.00
1+55	1421.00
1+85	1421.00
2+15	1424.00
3+15	1424.00
3+40	1425.00

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1425.00)	(1+25, 1424.00)	0.050
(1+25, 1424.00)	(2+15, 1424.00)	0.045
(2+15, 1424.00)	(3+40, 1425.00)	0.050

Results

Discharge	25.99	ft^3/s
Elevation Range	1421.00 to 1425.00 ft	
Flow Area	17.50	ft^2
Wetted Perimeter	40.05	ft
Top Width	40.00	ft
Normal Depth	0.50	ft
Critical Depth	0.28	ft
Critical Slope	0.04657	ft/ft

Worksheet for E19-A*

Results

Velocity		1.49	ft/s
Velocity Head		0.03	ft
Specific Energy		0.53	ft
Froude Number		0.40	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.50	ft
Critical Depth	0.28	ft
Channel Slope	0.00610	ft/ft
Critical Slope	0.04657	ft/ft

Cross Section for E19-A*

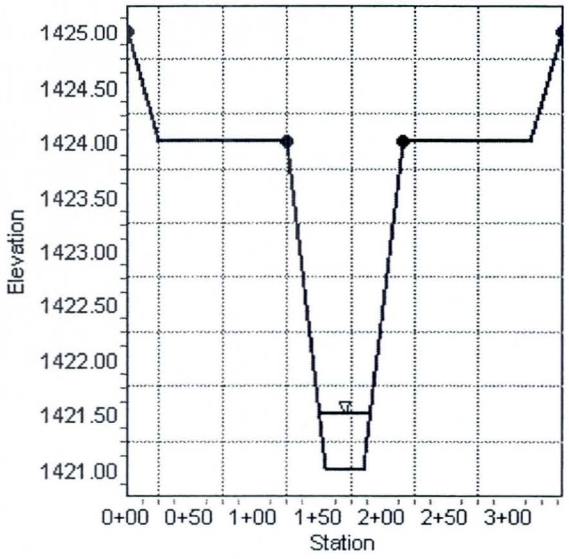
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00610	ft/ft
Normal Depth	0.50	ft
Discharge	25.99	ft³/s

Cross Section Image



Worksheet for E19*

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00610	ft/ft
Normal Depth	0.50	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1425.00
0+25	1424.00
1+25	1424.00
1+45	1422.00
1+55	1422.00
1+75	1424.00
2+75	1424.00
3+00	1425.00

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1425.00)	(1+25, 1424.00)	0.050
(1+25, 1424.00)	(1+75, 1424.00)	0.045
(1+75, 1424.00)	(3+00, 1425.00)	0.050

Results

Discharge	10.04	ft^3/s
Elevation Range	1422.00 to 1425.00 ft	
Flow Area	7.50	ft^2
Wetted Perimeter	20.05	ft
Top Width	20.00	ft
Normal Depth	0.50	ft
Critical Depth	0.29	ft
Critical Slope	0.04805	ft/ft

Worksheet for E19*

Results

Velocity		1.34	ft/s
Velocity Head		0.03	ft
Specific Energy		0.53	ft
Froude Number		0.39	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.50	ft
Critical Depth	0.29	ft
Channel Slope	0.00610	ft/ft
Critical Slope	0.04805	ft/ft

Cross Section for E19*

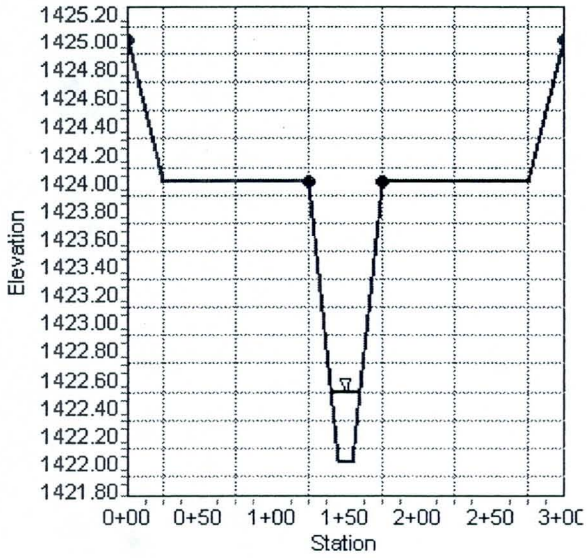
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00610	ft/ft
Normal Depth	0.50	ft
Discharge	10.04	ft^3/s

Cross Section Image



Worksheet for E21-A*

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00650	ft/ft
Normal Depth	0.50	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1430.00
1+00	1429.00
1+35	1428.00
1+45	1427.00
1+55	1427.00
1+65	1428.00
2+00	1429.00
3+00	1430.00

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1430.00)	(1+35, 1428.00)	0.050
(1+35, 1428.00)	(1+65, 1428.00)	0.045
(1+65, 1428.00)	(3+00, 1430.00)	0.050

Results

Discharge	10.37	ft^3/s
Elevation Range	1427.00 to 1430.00 ft	
Flow Area	7.50	ft^2
Wetted Perimeter	20.05	ft
Top Width	20.00	ft
Normal Depth	0.50	ft
Critical Depth	0.29	ft
Critical Slope	0.04778	ft/ft

Worksheet for E21-A*

Results

Velocity		1.38	ft/s
Velocity Head		0.03	ft
Specific Energy		0.53	ft
Froude Number		0.40	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.50	ft
Critical Depth	0.29	ft
Channel Slope	0.00650	ft/ft
Critical Slope	0.04778	ft/ft

Cross Section for E21-A*

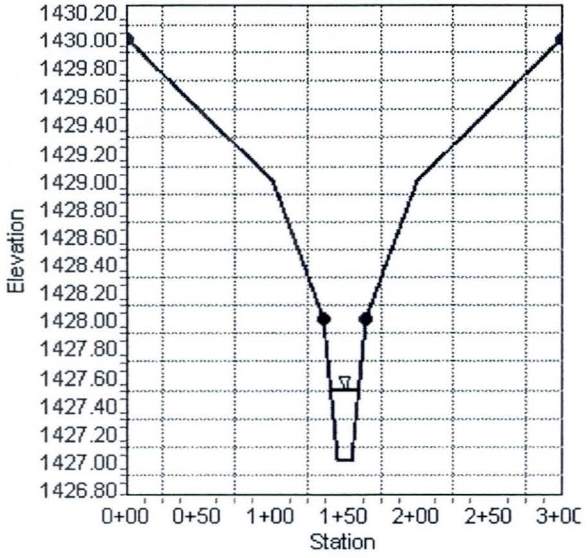
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00650	ft/ft
Normal Depth	0.50	ft
Discharge	10.37	ft³/s

Cross Section Image



Worksheet for E21*

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00650	ft/ft
Normal Depth	0.50	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1430.00
1+00	1429.00
1+25	1429.00
1+35	1428.00
1+40	1428.00
1+50	1429.00
1+75	1429.00
2+75	1430.00

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1430.00)	(1+25, 1429.00)	0.050
(1+25, 1429.00)	(1+50, 1429.00)	0.045
(1+50, 1429.00)	(2+75, 1430.00)	0.050

Results

Discharge	6.39	ft^3/s
Elevation Range	1428.00 to 1430.00 ft	
Flow Area	5.00	ft^2
Wetted Perimeter	15.05	ft
Top Width	15.00	ft
Normal Depth	0.50	ft
Critical Depth	0.30	ft
Critical Slope	0.04916	ft/ft

Worksheet for E21*

Results

Velocity		1.28	ft/s
Velocity Head		0.03	ft
Specific Energy		0.53	ft
Froude Number		0.39	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.50	ft
Critical Depth	0.30	ft
Channel Slope	0.00650	ft/ft
Critical Slope	0.04916	ft/ft

Cross Section for E21*

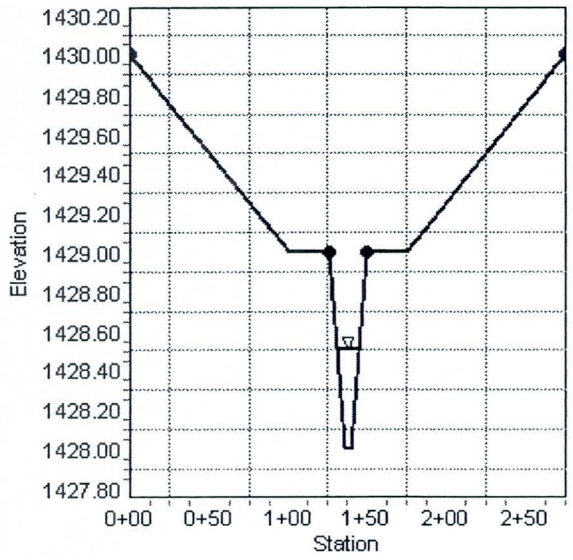
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00650	ft/ft
Normal Depth	0.50	ft
Discharge	6.39	ft³/s

Cross Section Image



Worksheet for E28-A

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00500	ft/ft
Normal Depth	0.25	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1398.80
0+59	1398.60
0+62	1398.50
1+26	1398.50
1+32	1398.50
1+91	1398.70
2+38	1398.60
2+39	1398.60
3+13	1398.50
3+20	1398.50

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1398.80)	(0+62, 1398.50)	0.050
(0+62, 1398.50)	(1+32, 1398.50)	0.045
(1+32, 1398.50)	(3+20, 1398.50)	0.050

Results

Discharge	33.95	ft^3/s
Elevation Range	1398.50 to 1398.80 ft	
Flow Area	51.67	ft^2
Wetted Perimeter	305.50	ft
Top Width	305.25	ft
Normal Depth	0.25	ft

Worksheet for E28-A

Results

Critical Depth	0.13	ft
Critical Slope	0.07773	ft/ft
Velocity	0.66	ft/s
Velocity Head	0.01	ft
Specific Energy	0.26	ft
Froude Number	0.28	
Flow Type	Subcritical	

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.25	ft
Critical Depth	0.13	ft
Channel Slope	0.00500	ft/ft
Critical Slope	0.07773	ft/ft

Cross Section for E28-A

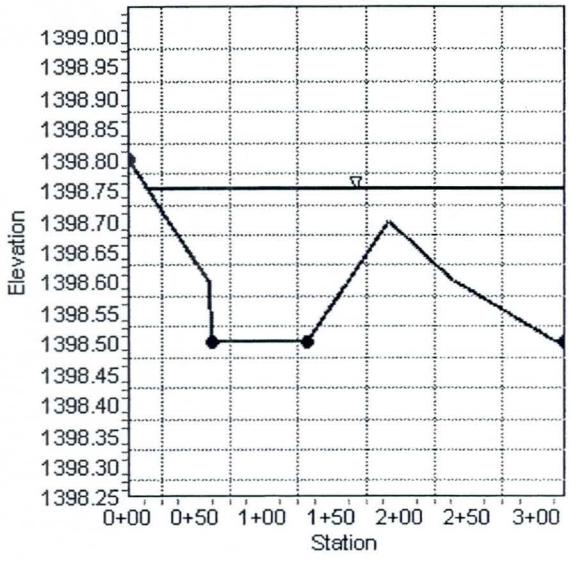
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00500	ft/ft
Normal Depth	0.25	ft
Discharge	33.95	ft^3/s

Cross Section Image



Worksheet for E28

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00400	ft/ft
Normal Depth	0.04	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1398.46
0+25	1398.50
0+61	1398.60
0+64	1398.60
1+12	1398.65
1+16	1398.64
1+19	1398.64
1+71	1398.63
1+75	1398.63
2+72	1398.77
2+74	1398.78
3+11	1398.92

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1398.46)	(0+61, 1398.60)	0.050
(0+61, 1398.60)	(1+71, 1398.63)	0.045
(1+71, 1398.63)	(3+11, 1398.92)	0.050

Results

Discharge	0.07	ft^3/s
Elevation Range	1398.46 to 1398.92 ft	
Flow Area	0.50	ft^2
Wetted Perimeter	25.04	ft

Worksheet for E28

Results

Top Width	25.00	ft
Normal Depth	0.04	ft
Critical Depth	0.02	ft
Critical Slope	0.16963	ft/ft
Velocity	0.14	ft/s
Velocity Head	0.00	ft
Specific Energy	0.04	ft
Froude Number	0.17	
Flow Type	Subcritical	

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.04	ft
Critical Depth	0.02	ft
Channel Slope	0.00400	ft/ft
Critical Slope	0.16963	ft/ft

Cross Section for E28

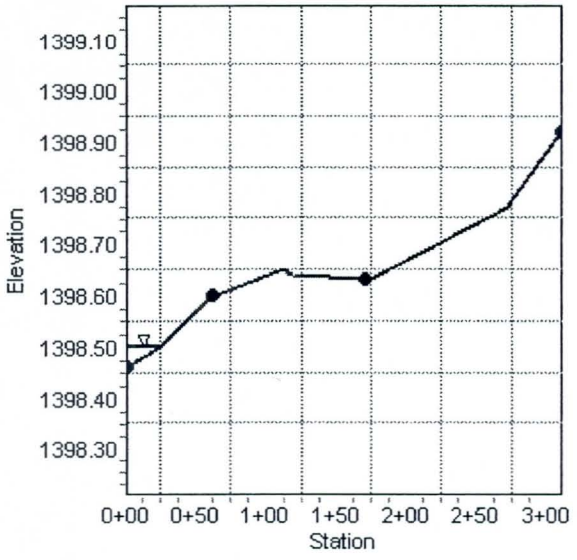
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00400	ft/ft
Normal Depth	0.04	ft
Discharge	0.07	ft³/s

Cross Section Image



Worksheet for E05-A*

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00800	ft/ft
Normal Depth	0.50	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1445.00
0+75	1444.00
1+25	1443.00
1+40	1442.00
1+45	1442.00
1+60	1443.00
2+10	1444.00
2+85	1445.00

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1445.00)	(1+25, 1443.00)	0.050
(1+25, 1443.00)	(1+60, 1443.00)	0.045
(1+60, 1443.00)	(2+85, 1445.00)	0.050

Results

Discharge	8.49	ft^3/s
Elevation Range	1442.00 to 1445.00 ft	
Flow Area	6.25	ft^2
Wetted Perimeter	20.03	ft
Top Width	20.00	ft
Normal Depth	0.50	ft
Critical Depth	0.32	ft
Critical Slope	0.04916	ft/ft

Worksheet for E05-A*

Results

Velocity		1.36	ft/s
Velocity Head		0.03	ft
Specific Energy		0.53	ft
Froude Number		0.43	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.50	ft
Critical Depth	0.32	ft
Channel Slope	0.00800	ft/ft
Critical Slope	0.04916	ft/ft

Cross Section for E05-A*

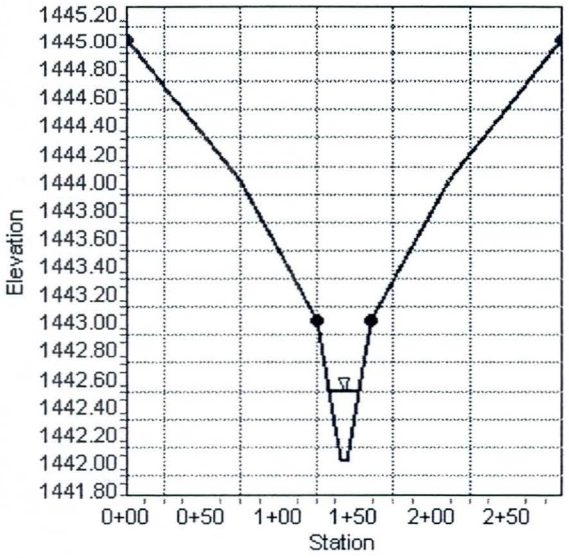
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00800	ft/ft
Normal Depth	0.50	ft
Discharge	8.49	ft³/s

Cross Section Image



Worksheet for E05*

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00800	ft/ft
Normal Depth	0.50	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1445.00
0+75	1444.00
1+00	1443.00
1+10	1442.00
1+20	1442.00
1+30	1443.00
1+65	1444.00
2+00	1443.00
2+10	1442.00
2+20	1442.00
2+30	1443.00
2+55	1444.00
3+30	1445.00

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1445.00)	(1+00, 1443.00)	0.050
(1+00, 1443.00)	(1+30, 1443.00)	0.045
(1+30, 1443.00)	(2+00, 1443.00)	0.050
(2+00, 1443.00)	(2+30, 1443.00)	0.045
(2+30, 1443.00)	(3+30, 1445.00)	0.050

Results

Discharge	23.00	ft^3/s

Worksheet for E05*

Results

Elevation Range	1442.00 to 1445.00 ft		
Flow Area		15.00	ft²
Wetted Perimeter		40.10	ft
Top Width		40.00	ft
Normal Depth		0.50	ft
Critical Depth		0.31	ft
Critical Slope		0.04694	ft/ft
Velocity		1.53	ft/s
Velocity Head		0.04	ft
Specific Energy		0.54	ft
Froude Number		0.44	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.50	ft
Critical Depth	0.31	ft
Channel Slope	0.00800	ft/ft
Critical Slope	0.04694	ft/ft

Cross Section for E05*

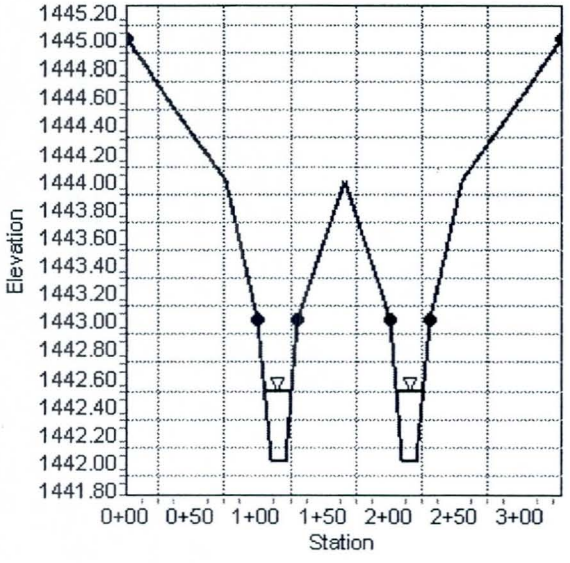
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00800	ft/ft
Normal Depth	0.50	ft
Discharge	23.00	ft^3/s

Cross Section Image



Worksheet for F11-A*

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00710	ft/ft
Normal Depth	0.50	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1385.00
0+25	1384.00
1+25	1384.00
1+45	1383.00
1+55	1383.00
1+75	1384.00
2+75	1384.00
3+00	1385.00

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1385.00)	(1+25, 1384.00)	0.050
(1+25, 1384.00)	(1+75, 1384.00)	0.045
(1+75, 1384.00)	(3+00, 1385.00)	0.050

Results

Discharge	13.37	ft^3/s
Elevation Range	1383.00 to 1385.00 ft	
Flow Area	10.00	ft^2
Wetted Perimeter	30.02	ft
Top Width	30.00	ft
Normal Depth	0.50	ft
Critical Depth	0.31	ft
Critical Slope	0.04869	ft/ft

Worksheet for F11-A*

Results

Velocity		1.34	ft/s
Velocity Head		0.03	ft
Specific Energy		0.53	ft
Froude Number		0.41	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.50	ft
Critical Depth	0.31	ft
Channel Slope	0.00710	ft/ft
Critical Slope	0.04869	ft/ft

Cross Section for F11-A*

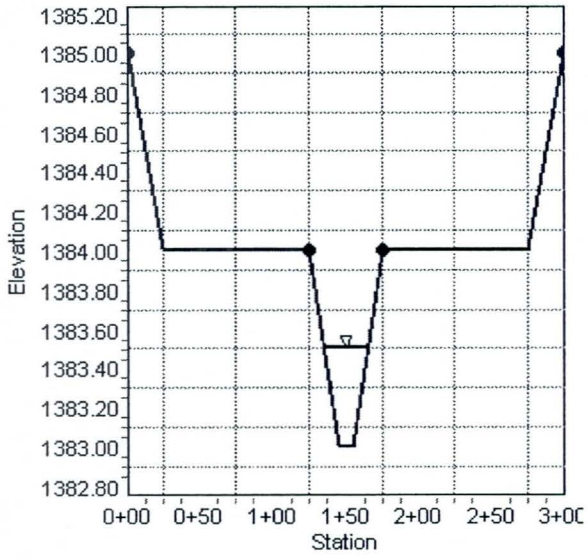
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00710	ft/ft
Normal Depth	0.50	ft
Discharge	13.37	ft³/s

Cross Section Image



Worksheet for F11*

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00710	ft/ft
Normal Depth	0.50	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1385.00
0+25	1384.00
1+50	1384.00
1+70	1383.00
1+80	1383.00
2+00	1384.00
2+50	1385.00
3+00	1384.00
3+15	1383.00
3+30	1383.00
3+45	1384.00
4+70	1384.00
4+95	1385.00

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1385.00)	(1+50, 1384.00)	0.050
(1+50, 1384.00)	(2+00, 1384.00)	0.045
(2+00, 1384.00)	(3+00, 1384.00)	0.050
(3+00, 1384.00)	(3+45, 1384.00)	0.045
(3+45, 1384.00)	(4+95, 1385.00)	0.050

Results

Discharge	29.58	ft³/s

Worksheet for F11*

Results

Elevation Range	1383.00 to 1385.00 ft		
Flow Area		21.25	ft²
Wetted Perimeter		60.06	ft
Top Width		60.00	ft
Normal Depth		0.50	ft
Critical Depth		0.30	ft
Critical Slope		0.04797	ft/ft
Velocity		1.39	ft/s
Velocity Head		0.03	ft
Specific Energy		0.53	ft
Froude Number		0.41	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.50	ft
Critical Depth	0.30	ft
Channel Slope	0.00710	ft/ft
Critical Slope	0.04797	ft/ft

Cross Section for F11*

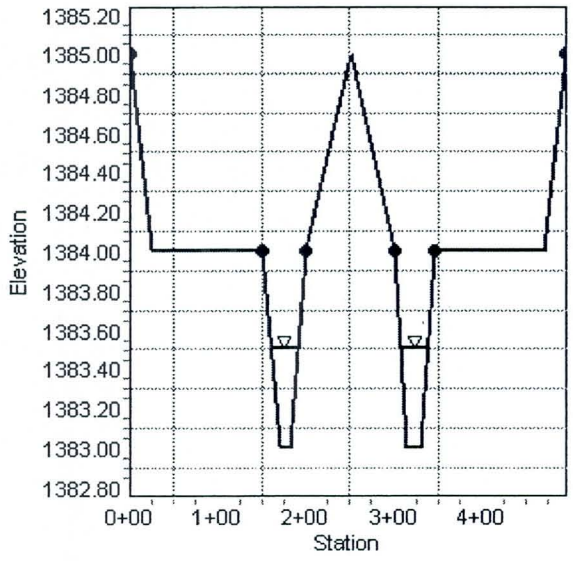
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00710	ft/ft
Normal Depth	0.50	ft
Discharge	29.58	ft³/s

Cross Section Image



Worksheet for F16-A*

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00560	ft/ft
Normal Depth	0.50	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1370.00
1+25	1369.00
1+35	1368.00
1+45	1368.00
1+55	1369.00
2+80	1370.00

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1370.00)	(1+25, 1369.00)	0.050
(1+25, 1369.00)	(1+55, 1369.00)	0.045
(1+55, 1369.00)	(2+80, 1370.00)	0.050

Results

Discharge	9.62	ft^3/s
Elevation Range	1368.00 to 1370.00 ft	
Flow Area	7.50	ft^2
Wetted Perimeter	20.05	ft
Top Width	20.00	ft
Normal Depth	0.50	ft
Critical Depth	0.28	ft
Critical Slope	0.04840	ft/ft
Velocity	1.28	ft/s
Velocity Head	0.03	ft

Worksheet for F16-A*

Results

Specific Energy		0.53	ft
Froude Number		0.37	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.50	ft
Critical Depth	0.28	ft
Channel Slope	0.00560	ft/ft
Critical Slope	0.04840	ft/ft

Cross Section for F16-A*

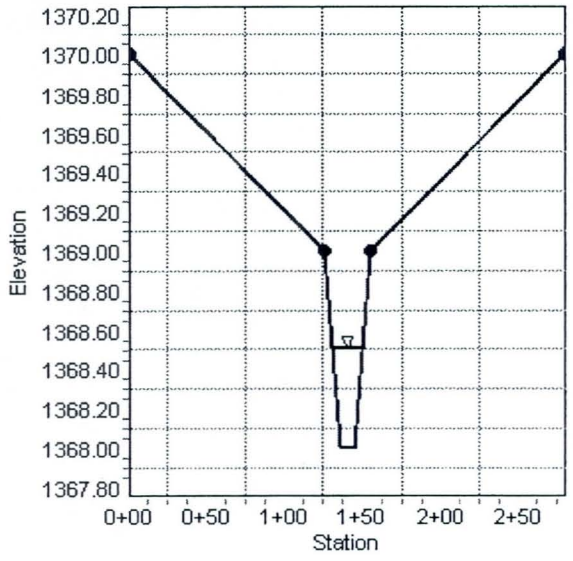
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00560	ft/ft
Normal Depth	0.50	ft
Discharge	9.62	ft³/s

Cross Section Image



Worksheet for F16*

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00560	ft/ft
Normal Depth	0.50	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1370.00
2+00	1369.00
2+20	1368.00
2+30	1368.00
2+50	1369.00
4+50	1370.00

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1370.00)	(2+00, 1369.00)	0.050
(2+00, 1369.00)	(2+50, 1369.00)	0.045
(2+50, 1369.00)	(4+50, 1370.00)	0.050

Results

Discharge	11.87	ft^3/s
Elevation Range	1368.00 to 1370.00 ft	
Flow Area	10.00	ft^2
Wetted Perimeter	30.02	ft
Top Width	30.00	ft
Normal Depth	0.50	ft
Critical Depth	0.29	ft
Critical Slope	0.04958	ft/ft
Velocity	1.19	ft/s
Velocity Head	0.02	ft

Worksheet for F16*

Results

Specific Energy		0.52	ft
Froude Number		0.36	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.50	ft
Critical Depth	0.29	ft
Channel Slope	0.00560	ft/ft
Critical Slope	0.04958	ft/ft

Cross Section for F16*

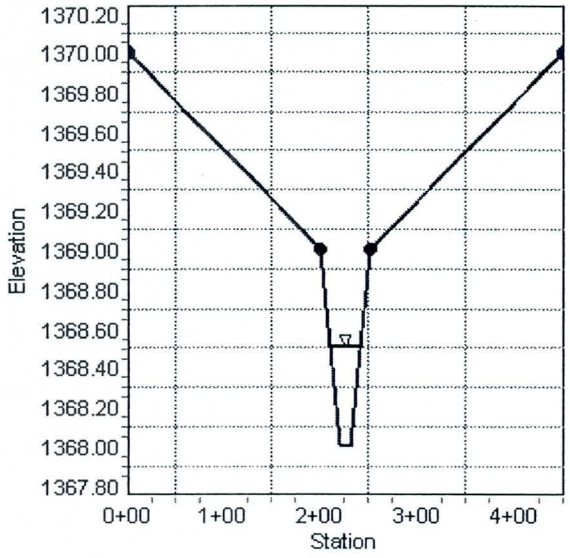
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00560	ft/ft
Normal Depth	0.50	ft
Discharge	11.87	ft³/s

Cross Section Image



Worksheet for F18-A*

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00500	ft/ft
Normal Depth	0.50	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1370.00
1+00	1369.00
3+20	1368.00
3+60	1367.00
3+90	1367.00
4+30	1368.00
6+50	1369.00
7+50	1370.00

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1370.00)	(3+20, 1368.00)	0.050
(3+20, 1368.00)	(4+30, 1368.00)	0.045
(4+30, 1368.00)	(7+50, 1370.00)	0.050

Results

Discharge		29.38	ft^3/s
Elevation Range	1367.00 to 1370.00 ft		
Flow Area		25.00	ft^2
Wetted Perimeter		70.01	ft
Top Width		70.00	ft
Normal Depth		0.50	ft
Critical Depth		0.27	ft
Critical Slope		0.04924	ft/ft

Worksheet for F18-A*

Results

Velocity		1.18	ft/s
Velocity Head		0.02	ft
Specific Energy		0.52	ft
Froude Number		0.35	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.50	ft
Critical Depth	0.27	ft
Channel Slope	0.00500	ft/ft
Critical Slope	0.04924	ft/ft

Cross Section for F18-A*

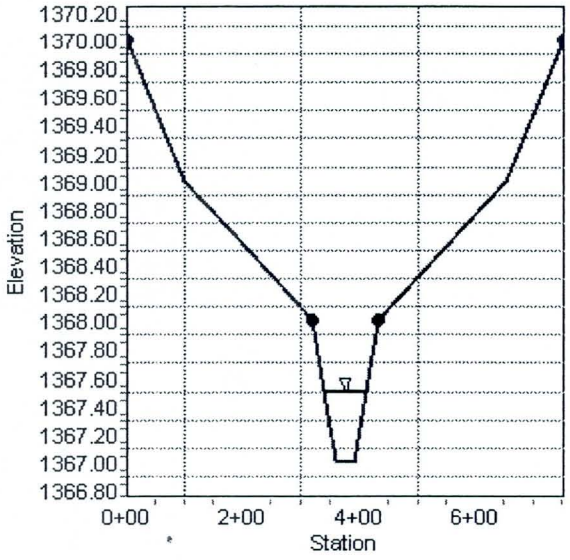
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00500	ft/ft
Normal Depth	0.50	ft
Discharge	29.38	ft³/s

Cross Section Image



Worksheet for F18*

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00500	ft/ft
Normal Depth	0.50	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1370.00
1+00	1369.00
2+50	1368.00
2+65	1367.00
2+80	1367.00
2+95	1368.00
4+45	1369.00
5+45	1370.00

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1370.00)	(2+50, 1368.00)	0.050
(2+50, 1368.00)	(2+95, 1368.00)	0.045
(2+95, 1368.00)	(5+45, 1370.00)	0.050

Results

Discharge	13.65	ft^3/s
Elevation Range	1367.00 to 1370.00 ft	
Flow Area	11.25	ft^2
Wetted Perimeter	30.03	ft
Top Width	30.00	ft
Normal Depth	0.50	ft
Critical Depth	0.27	ft
Critical Slope	0.04881	ft/ft

Worksheet for F18*

Results

Velocity		1.21	ft/s
Velocity Head		0.02	ft
Specific Energy		0.52	ft
Froude Number		0.35	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.50	ft
Critical Depth	0.27	ft
Channel Slope	0.00500	ft/ft
Critical Slope	0.04881	ft/ft

Cross Section for F18*

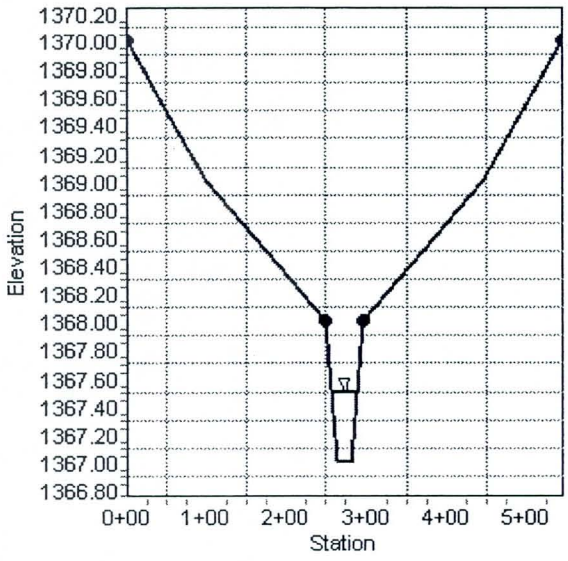
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00500	ft/ft
Normal Depth	0.50	ft
Discharge	13.65	ft³/s

Cross Section Image



Worksheet for F19-A*

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00510	ft/ft
Normal Depth	0.50	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1340.00
0+50	1339.00
2+50	1339.00
2+55	1338.00
2+60	1338.00
2+65	1339.00
4+65	1339.00
5+15	1340.00

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1340.00)	(2+50, 1339.00)	0.050
(2+50, 1339.00)	(2+65, 1339.00)	0.045
(2+65, 1339.00)	(5+15, 1340.00)	0.050

Results

Discharge	4.57	ft^3/s
Elevation Range	1338.00 to 1340.00 ft	
Flow Area	3.75	ft^2
Wetted Perimeter	10.10	ft
Top Width	10.00	ft
Normal Depth	0.50	ft
Critical Depth	0.27	ft
Critical Slope	0.04917	ft/ft

Worksheet for F19-A*

Results

Velocity		1.22	ft/s
Velocity Head		0.02	ft
Specific Energy		0.52	ft
Froude Number		0.35	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.50	ft
Critical Depth	0.27	ft
Channel Slope	0.00510	ft/ft
Critical Slope	0.04917	ft/ft

Cross Section for F19-A*

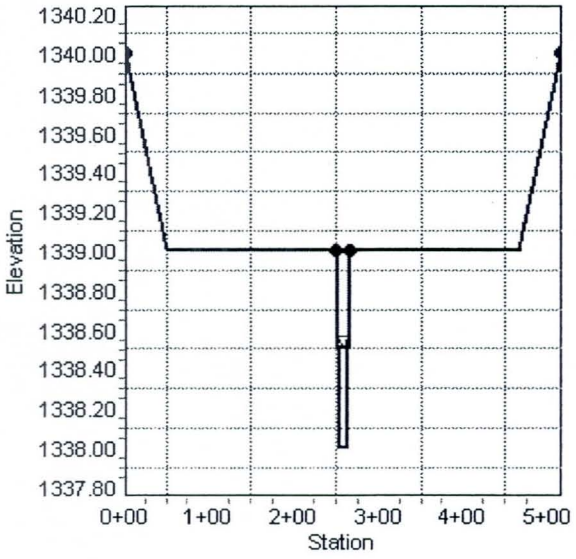
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00510	ft/ft
Normal Depth	0.50	ft
Discharge	4.57	ft³/s

Cross Section Image



Worksheet for F19*

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00510	ft/ft
Normal Depth	0.50	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1340.00
0+50	1339.00
2+50	1339.00
2+56	1338.00
2+62	1338.00
2+68	1339.00
4+68	1339.00
5+18	1340.00

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1340.00)	(2+50, 1339.00)	0.050
(2+50, 1339.00)	(2+68, 1339.00)	0.045
(2+68, 1339.00)	(5+18, 1340.00)	0.050

Results

Discharge	5.49	ft^3/s
Elevation Range	1338.00 to 1340.00 ft	
Flow Area	4.50	ft^2
Wetted Perimeter	12.08	ft
Top Width	12.00	ft
Normal Depth	0.50	ft
Critical Depth	0.27	ft
Critical Slope	0.04902	ft/ft

Worksheet for F19*

Results

Velocity		1.22	ft/s
Velocity Head		0.02	ft
Specific Energy		0.52	ft
Froude Number		0.35	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.50	ft
Critical Depth	0.27	ft
Channel Slope	0.00510	ft/ft
Critical Slope	0.04902	ft/ft

Worksheet for F22-A*

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00470	ft/ft
Normal Depth	0.50	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1335.00
1+00	1335.00
1+10	1333.00
1+20	1333.00
1+30	1334.00
2+80	1335.00
4+30	1334.00
4+40	1333.00
4+50	1333.00
4+60	1334.00
5+60	1335.00
6+60	1334.00
6+70	1333.00
6+80	1333.00
6+90	1334.00
7+90	1335.00

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1335.00)	(1+00, 1335.00)	0.050
(1+00, 1335.00)	(1+30, 1334.00)	0.045
(1+30, 1334.00)	(4+30, 1334.00)	0.050
(4+30, 1334.00)	(4+60, 1334.00)	0.045
(4+60, 1334.00)	(6+60, 1334.00)	0.050

Worksheet for F22-A*

Input Data

Start Station	Ending Station	Roughness Coefficient
(6+60, 1334.00)	(6+90, 1334.00)	0.045
(6+90, 1334.00)	(7+90, 1335.00)	0.050

Results

Discharge		25.95	ft^3/s
Elevation Range	1333.00 to 1335.00 ft		
Flow Area		21.88	ft^2
Wetted Perimeter		57.67	ft
Top Width		57.50	ft
Normal Depth		0.50	ft
Critical Depth		0.26	ft
Critical Slope		0.04903	ft/ft
Velocity		1.19	ft/s
Velocity Head		0.02	ft
Specific Energy		0.52	ft
Froude Number		0.34	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.50	ft
Critical Depth	0.26	ft
Channel Slope	0.00470	ft/ft
Critical Slope	0.04903	ft/ft

Cross Section for F22-A*

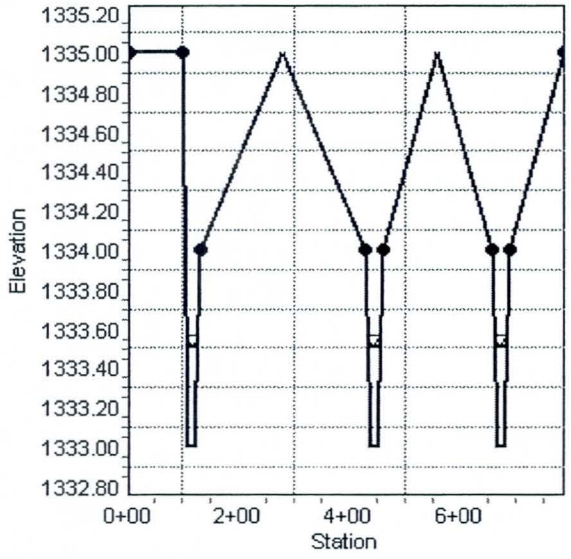
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00470	ft/ft
Normal Depth	0.50	ft
Discharge	25.95	ft³/s

Cross Section Image



Worksheet for F22*

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00470	ft/ft
Normal Depth	0.50	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1335.00
0+25	1334.00
1+00	1334.00
1+20	1333.00
1+40	1333.00
1+60	1334.00
3+30	1335.00
5+00	1334.00
5+20	1333.00
5+40	1333.00
5+60	1334.00
6+60	1334.00
7+10	1335.00

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1335.00)	(1+00, 1334.00)	0.050
(1+00, 1334.00)	(1+60, 1334.00)	0.045
(1+60, 1334.00)	(5+00, 1334.00)	0.050
(5+00, 1334.00)	(6+60, 1334.00)	0.045
(6+60, 1334.00)	(7+10, 1335.00)	0.050

Results

Discharge	35.30	ft^3/s

Worksheet for F22*

Results

Elevation Range	1333.00 to 1335.00 ft		
Flow Area		30.00	ft²
Wetted Perimeter		80.05	ft
Top Width		80.00	ft
Normal Depth		0.50	ft
Critical Depth		0.26	ft
Critical Slope		0.04905	ft/ft
Velocity		1.18	ft/s
Velocity Head		0.02	ft
Specific Energy		0.52	ft
Froude Number		0.34	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.50	ft
Critical Depth	0.26	ft
Channel Slope	0.00470	ft/ft
Critical Slope	0.04905	ft/ft

Cross Section for F22*

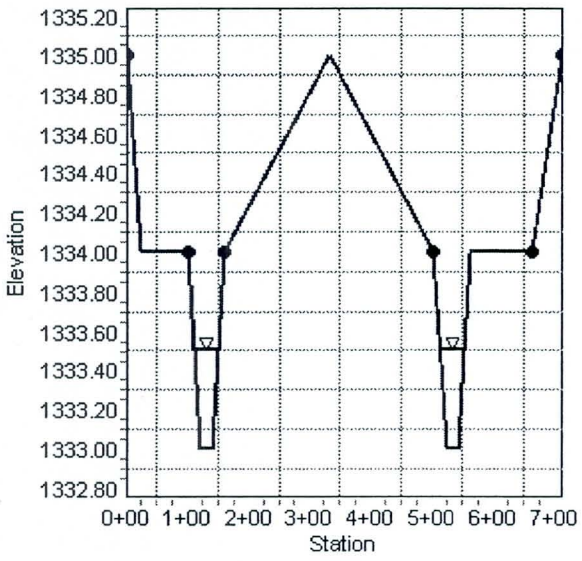
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00470	ft/ft
Normal Depth	0.50	ft
Discharge	35.30	ft³/s

Cross Section Image



Worksheet for G06-A

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00800	ft/ft
Normal Depth	2.00	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1540.90
0+50	1539.40
1+81	1536.00
2+01	1536.00
2+14	1536.00
2+15	1536.00
2+44	1536.00
2+90	1536.00
3+11	1536.00
3+40	1536.00
3+68	1536.00
3+97	1536.00
4+86	1536.00
5+41	1537.00

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1540.90)	(1+81, 1536.00)	0.050
(1+81, 1536.00)	(4+86, 1536.00)	0.045
(4+86, 1536.00)	(5+41, 1537.00)	0.050

Results

Discharge	3196.97	ft^3/s
Elevation Range	1536.00 to 1540.90 ft	

Worksheet for G06-A

Results

Flow Area		769.56	ft²
Wetted Perimeter		438.09	ft
Top Width		437.06	ft
Normal Depth		2.00	ft
Critical Depth		1.39	ft
Critical Slope		0.02955	ft/ft
Velocity		4.15	ft/s
Velocity Head		0.27	ft
Specific Energy		2.27	ft
Froude Number		0.55	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	2.00	ft
Critical Depth	1.39	ft
Channel Slope	0.00800	ft/ft
Critical Slope	0.02955	ft/ft

Cross Section for G06-A

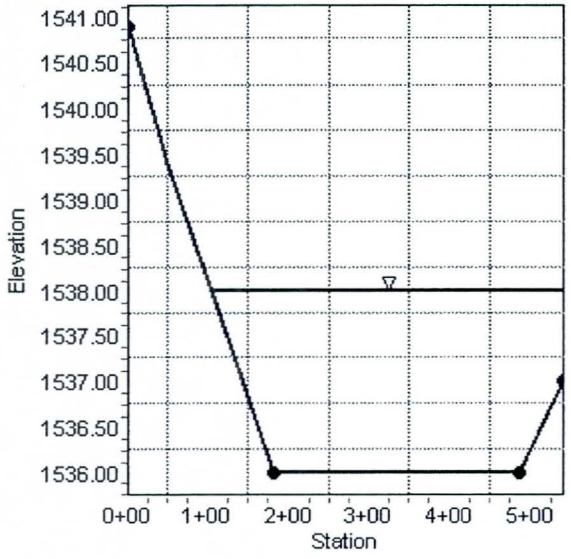
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00800	ft/ft
Normal Depth	2.00	ft
Discharge	3196.97	ft^3/s

Cross Section Image



Worksheet for G06

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00800	ft/ft
Normal Depth	1.00	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1537.20
0+60	1536.00
0+84	1536.00
1+04	1536.00
1+53	1536.00
1+54	1536.00
1+55	1536.00
2+27	1536.00
2+34	1536.00
2+38	1536.00
3+51	1536.00
3+60	1536.00
3+74	1536.00
3+84	1536.10
3+85	1536.20
3+88	1536.40
3+89	1536.50
4+09	1536.60
6+21	1539.00

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1537.20)	(0+60, 1536.00)	0.050
(0+60, 1536.00)	(3+74, 1536.00)	0.045

Worksheet for G06

Input Data

Start Station	Ending Station	Roughness Coefficient
(3+74, 1536.00)	(6+21, 1539.00)	0.050

Results

Discharge		943.25	ft³/s
Elevation Range	1536.00 to 1539.00 ft		
Flow Area		368.07	ft²
Wetted Perimeter		434.36	ft
Top Width		434.33	ft
Normal Depth		1.00	ft
Critical Depth		0.64	ft
Critical Slope		0.03786	ft/ft
Velocity		2.56	ft/s
Velocity Head		0.10	ft
Specific Energy		1.10	ft
Froude Number		0.49	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	1.00	ft
Critical Depth	0.64	ft
Channel Slope	0.00800	ft/ft
Critical Slope	0.03786	ft/ft

Cross Section for G06

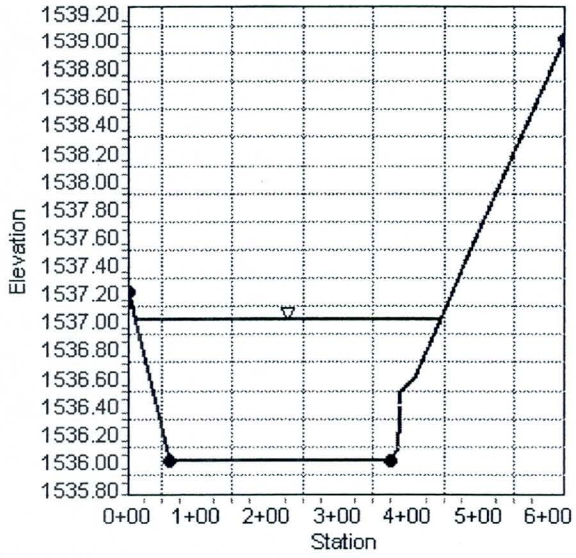
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00800	ft/ft
Normal Depth	1.00	ft
Discharge	943.25	ft^3/s

Cross Section Image



Worksheet for G08-A

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00800	ft/ft
Normal Depth	0.50	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1382.58
0+37	1382.00
0+80	1382.00
1+49	1382.00
1+82	1382.00
2+13	1382.70

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1382.58)	(0+37, 1382.00)	0.050
(0+37, 1382.00)	(1+82, 1382.00)	0.045
(1+82, 1382.00)	(2+13, 1382.70)	0.050

Results

Discharge	140.78	ft^3/s
Elevation Range	1382.00 to 1382.70 ft	
Flow Area	86.01	ft^2
Wetted Perimeter	199.05	ft
Top Width	199.04	ft
Normal Depth	0.50	ft
Critical Depth	0.30	ft
Critical Slope	0.04858	ft/ft
Velocity	1.64	ft/s
Velocity Head	0.04	ft

Worksheet for G08-A

Results

Specific Energy		0.54	ft
Froude Number		0.44	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.50	ft
Critical Depth	0.30	ft
Channel Slope	0.00800	ft/ft
Critical Slope	0.04858	ft/ft

Cross Section for G08-A

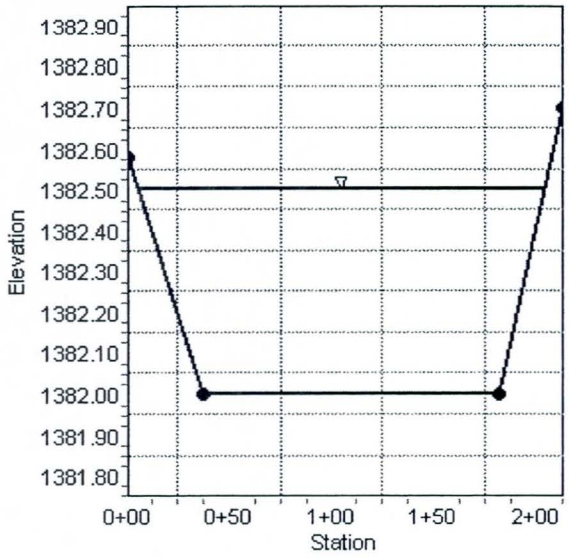
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00800	ft/ft
Normal Depth	0.50	ft
Discharge	140.78	ft^3/s

Cross Section Image



Worksheet for G08

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01000	ft/ft
Normal Depth	0.50	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1382.95
0+08	1382.90
0+33	1382.70
0+64	1382.50
0+65	1382.60
1+10	1382.90
1+27	1383.10
2+26	1383.90

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1382.95)	(0+33, 1382.70)	0.050
(0+33, 1382.70)	(0+65, 1382.60)	0.045
(0+65, 1382.60)	(2+26, 1383.90)	0.050

Results

Discharge	36.80	ft^3/s
Elevation Range	1382.50 to 1383.90 ft	
Flow Area	30.09	ft^2
Wetted Perimeter	118.56	ft
Top Width	118.50	ft
Normal Depth	0.50	ft
Critical Depth	0.37	ft
Critical Slope	0.06246	ft/ft

Worksheet for G08

Results

Velocity		1.22	ft/s
Velocity Head		0.02	ft
Specific Energy		0.52	ft
Froude Number		0.43	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.50	ft
Critical Depth	0.37	ft
Channel Slope	0.01000	ft/ft
Critical Slope	0.06246	ft/ft

Cross Section for G08

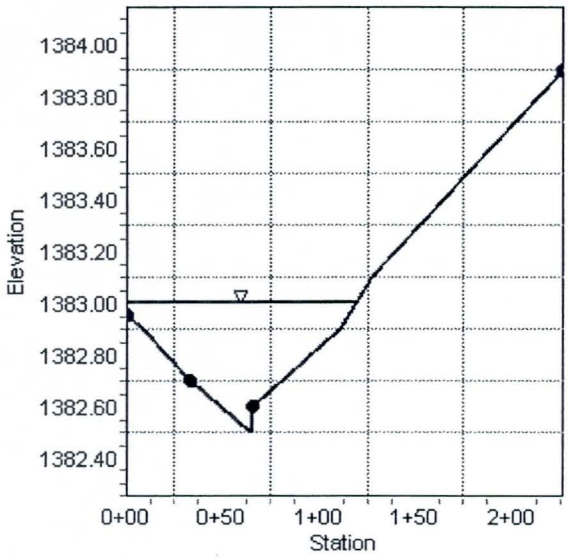
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01000	ft/ft
Normal Depth	0.50	ft
Discharge	36.80	ft³/s

Cross Section Image



Worksheet for G11-A

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00600	ft/ft
Normal Depth	1.00	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1233.30
0+72	1232.60
1+42	1232.00
1+44	1232.00
1+54	1232.00
1+84	1232.00
2+22	1232.00
2+43	1232.00
3+36	1232.00
3+48	1231.00
3+51	1232.00
3+64	1232.00
3+87	1232.00
4+59	1232.80
5+20	1233.50

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1233.30)	(1+44, 1232.00)	0.050
(1+44, 1232.00)	(3+87, 1232.00)	0.045
(3+87, 1232.00)	(5+20, 1233.50)	0.050

Results

Discharge	11.98	ft^3/s

Worksheet for G11-A

Results

Elevation Range	1231.00 to 1233.50 ft		
Flow Area		7.50	ft²
Wetted Perimeter		15.20	ft
Top Width		15.00	ft
Normal Depth		1.00	ft
Critical Depth		0.69	ft
Critical Slope		0.04280	ft/ft
Velocity		1.60	ft/s
Velocity Head		0.04	ft
Specific Energy		1.04	ft
Froude Number		0.40	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	1.00	ft
Critical Depth	0.69	ft
Channel Slope	0.00600	ft/ft
Critical Slope	0.04280	ft/ft

Cross Section for G11-A

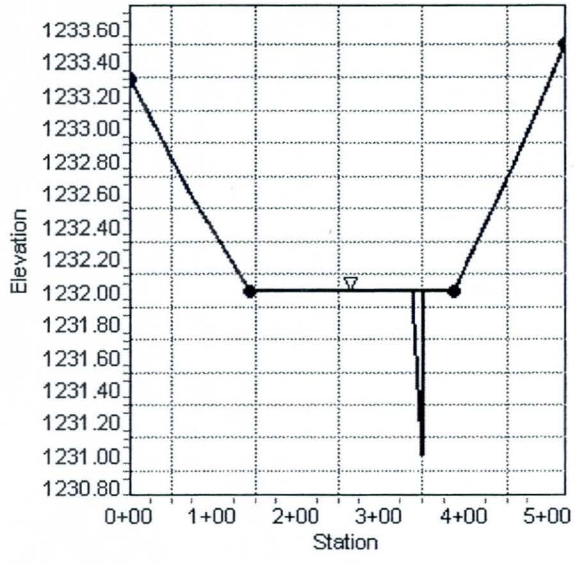
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00600	ft/ft
Normal Depth	1.00	ft
Discharge	11.98	ft³/s

Cross Section Image



Worksheet for G11

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00800	ft/ft
Normal Depth	0.14	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1233.70
0+09	1233.67
0+70	1233.60
0+74	1233.60
1+15	1233.05
1+61	1232.00
1+66	1232.00
1+73	1232.00
1+86	1232.00
2+05	1231.86
2+95	1231.96
2+99	1232.00
3+12	1232.00
3+31	1232.04
4+29	1232.85
4+71	1233.20

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1233.70)	(1+61, 1232.00)	0.050
(1+61, 1232.00)	(3+12, 1232.00)	0.045
(3+12, 1232.00)	(4+71, 1233.20)	0.050

Worksheet for G11

Results

Discharge		5.39	ft³/s
Elevation Range	1231.86 to 1233.70 ft		
Flow Area		9.51	ft²
Wetted Perimeter		113.00	ft
Top Width		113.00	ft
Normal Depth		0.14	ft
Critical Depth		0.09	ft
Critical Slope		0.08219	ft/ft
Velocity		0.57	ft/s
Velocity Head		0.00	ft
Specific Energy		0.14	ft
Froude Number		0.34	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.14	ft
Critical Depth	0.09	ft
Channel Slope	0.00800	ft/ft
Critical Slope	0.08219	ft/ft

Cross Section for G11

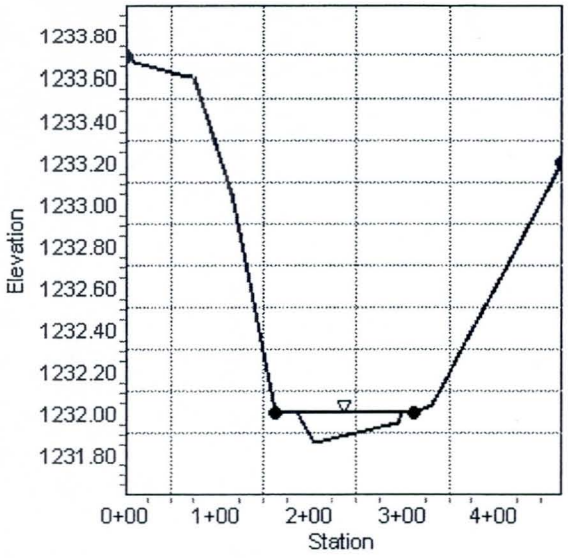
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00800	ft/ft
Normal Depth	0.14	ft
Discharge	5.39	ft^3/s

Cross Section Image



Worksheet for G18-A

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00900	ft/ft
Normal Depth	0.86	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1300.40
0+17	1300.40
1+38	1300.14
1+42	1300.16
1+48	1300.17
1+90	1300.40
2+48	1300.90
3+66	1302.13

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1300.40)	(0+17, 1300.40)	0.050
(0+17, 1300.40)	(1+90, 1300.40)	0.045
(1+90, 1300.40)	(3+66, 1302.13)	0.050

Results

Discharge	343.04	ft^3/s
Elevation Range	1300.14 to 1302.13 ft	
Flow Area	157.82	ft^2
Wetted Perimeter	258.20	ft
Top Width	257.59	ft
Normal Depth	0.86	ft
Critical Depth	0.60	ft
Critical Slope	0.04284	ft/ft

Worksheet for G18-A

Results

Velocity		2.17	ft/s
Velocity Head		0.07	ft
Specific Energy		0.93	ft
Froude Number		0.49	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.86	ft
Critical Depth	0.60	ft
Channel Slope	0.00900	ft/ft
Critical Slope	0.04284	ft/ft

Cross Section for G18-A

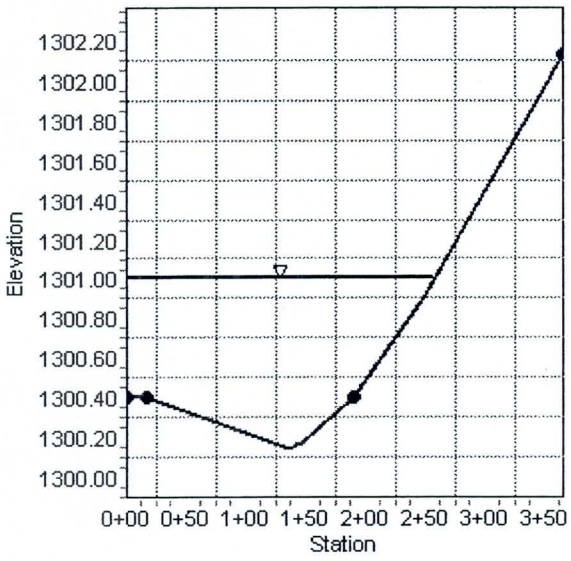
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00900	ft/ft
Normal Depth	0.86	ft
Discharge	343.04	ft³/s

Cross Section Image



Worksheet for G18

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00900	ft/ft
Normal Depth	0.50	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1300.33
0+43	1300.00
0+74	1300.00
0+83	1300.00
0+91	1300.00
1+14	1300.00
1+17	1300.00
1+49	1300.00
1+90	1300.20
2+10	1300.33
2+51	1300.63

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1300.33)	(0+43, 1300.00)	0.050
(0+43, 1300.00)	(1+49, 1300.00)	0.045
(1+49, 1300.00)	(2+51, 1300.63)	0.050

Results

Discharge	141.64	ft^3/s
Elevation Range	1300.00 to 1300.63 ft	
Flow Area	90.40	ft^2
Wetted Perimeter	233.41	ft
Top Width	233.23	ft

Worksheet for G18

Results

Normal Depth	0.50	ft
Critical Depth	0.32	ft
Critical Slope	0.05328	ft/ft
Velocity	1.57	ft/s
Velocity Head	0.04	ft
Specific Energy	0.54	ft
Froude Number	0.44	
Flow Type	Subcritical	

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.50	ft
Critical Depth	0.32	ft
Channel Slope	0.00900	ft/ft
Critical Slope	0.05328	ft/ft

Cross Section for G18

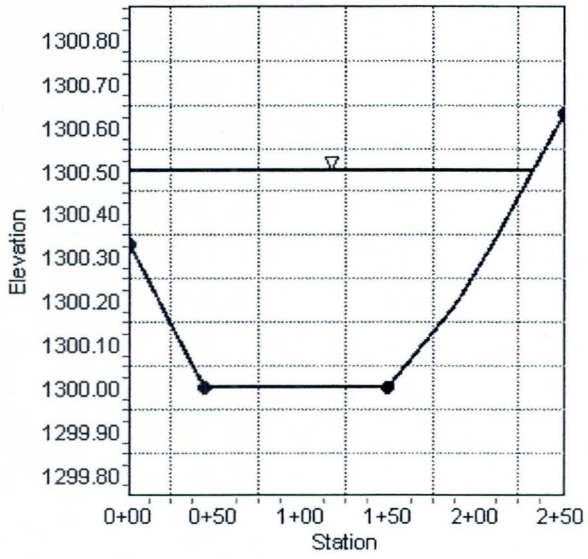
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00900	ft/ft
Normal Depth	0.50	ft
Discharge	141.64	ft³/s

Cross Section Image



Worksheet for G31-A

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00900	ft/ft
Normal Depth	0.38	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1340.75
0+55	1340.35
2+67	1340.14
2+79	1340.12
3+10	1340.29
3+18	1340.30
3+58	1340.73

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1340.75)	(0+55, 1340.35)	0.050
(0+55, 1340.35)	(3+10, 1340.29)	0.045
(3+10, 1340.29)	(3+58, 1340.73)	0.050

Results

Discharge	86.50	ft^3/s
Elevation Range	1340.12 to 1340.75 ft	
Flow Area	72.69	ft^2
Wetted Perimeter	302.23	ft
Top Width	302.23	ft
Normal Depth	0.38	ft
Critical Depth	0.27	ft
Critical Slope	0.05823	ft/ft
Velocity	1.19	ft/s

Worksheet for G31-A

Results

Velocity Head		0.02	ft
Specific Energy		0.40	ft
Froude Number		0.43	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.38	ft
Critical Depth	0.27	ft
Channel Slope	0.00900	ft/ft
Critical Slope	0.05823	ft/ft

Cross Section for G31-A

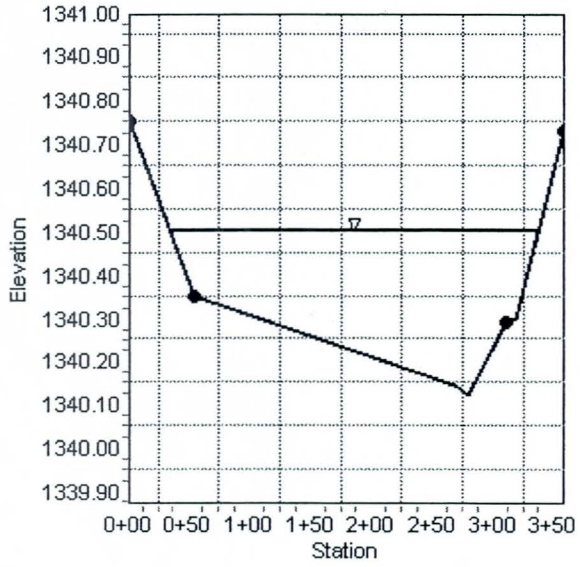
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00900	ft/ft
Normal Depth	0.38	ft
Discharge	86.50	ft^3/s

Cross Section Image



Worksheet for G31

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01000	ft/ft
Normal Depth	0.25	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1340.90
0+47	1340.35
0+59	1340.30
0+68	1340.25
2+38	1340.70
2+61	1340.65
3+07	1340.78

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1340.90)	(0+47, 1340.35)	0.050
(0+47, 1340.35)	(2+38, 1340.70)	0.045
(2+38, 1340.70)	(3+07, 1340.78)	0.050

Results

Discharge	14.33	ft^3/s
Elevation Range	1340.25 to 1340.90 ft	
Flow Area	16.94	ft^2
Wetted Perimeter	128.44	ft
Top Width	128.44	ft
Normal Depth	0.25	ft
Critical Depth	0.17	ft
Critical Slope	0.06726	ft/ft
Velocity	0.85	ft/s

Worksheet for G31

Results

Velocity Head		0.01	ft
Specific Energy		0.26	ft
Froude Number		0.41	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.25	ft
Critical Depth	0.17	ft
Channel Slope	0.01000	ft/ft
Critical Slope	0.06726	ft/ft

Cross Section for G31

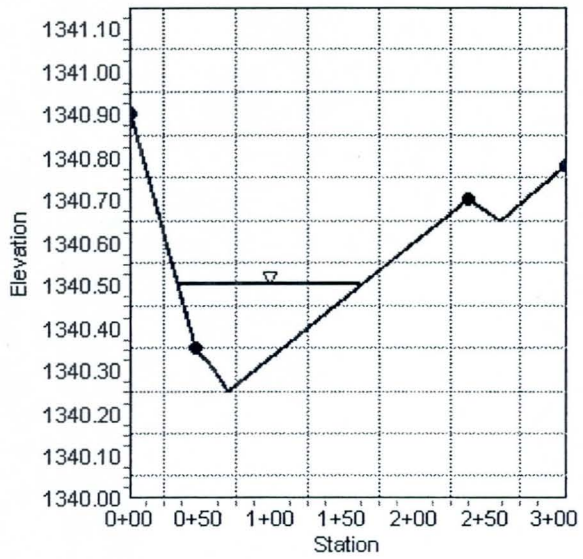
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01000	ft/ft
Normal Depth	0.25	ft
Discharge	14.33	ft³/s

Cross Section Image



Worksheet for G47-A

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01100	ft/ft
Normal Depth	0.60	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1297.12
0+74	1296.40
0+78	1296.40
1+35	1297.00
1+92	1298.00
2+04	1298.00
2+15	1298.00

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1297.12)	(0+74, 1296.40)	0.050
(0+74, 1296.40)	(1+35, 1297.00)	0.045
(1+35, 1297.00)	(2+15, 1298.00)	0.050

Results

Discharge	56.98	ft^3/s
Elevation Range	1296.40 to 1298.00 ft	
Flow Area	38.00	ft^2
Wetted Perimeter	122.67	ft
Top Width	122.67	ft
Normal Depth	0.60	ft
Critical Depth	0.44	ft
Critical Slope	0.05385	ft/ft
Velocity	1.50	ft/s

Worksheet for G47-A

Results

Velocity Head	0.03	ft
Specific Energy	0.63	ft
Froude Number	0.47	
Flow Type	Subcritical	

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.60	ft
Critical Depth	0.44	ft
Channel Slope	0.01100	ft/ft
Critical Slope	0.05385	ft/ft

Cross Section for G47-A

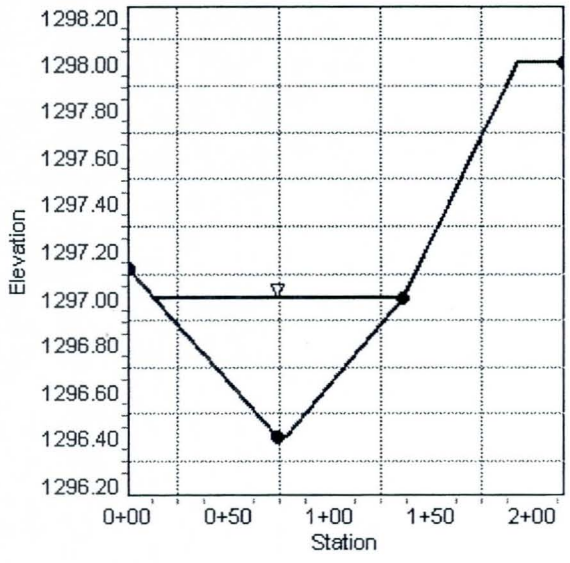
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01100	ft/ft
Normal Depth	0.60	ft
Discharge	56.98	ft^3/s

Cross Section Image



Worksheet for G47

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00900	ft/ft
Normal Depth	0.50	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1297.20
0+29	1297.10
0+68	1297.00
1+11	1297.20
1+26	1297.29
1+84	1297.90

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1297.20)	(0+29, 1297.10)	0.050
(0+29, 1297.10)	(1+11, 1297.20)	0.045
(1+11, 1297.20)	(1+84, 1297.90)	0.050

Results

Discharge	74.62	ft^3/s
Elevation Range	1297.00 to 1297.90 ft	
Flow Area	50.70	ft^2
Wetted Perimeter	146.27	ft
Top Width	145.97	ft
Normal Depth	0.50	ft
Critical Depth	0.33	ft
Critical Slope	0.05428	ft/ft
Velocity	1.47	ft/s
Velocity Head	0.03	ft

Worksheet for G47

Results

Specific Energy	0.53	ft
Froude Number	0.44	
Flow Type	Subcritical	

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.50	ft
Critical Depth	0.33	ft
Channel Slope	0.00900	ft/ft
Critical Slope	0.05428	ft/ft

Cross Section for G47

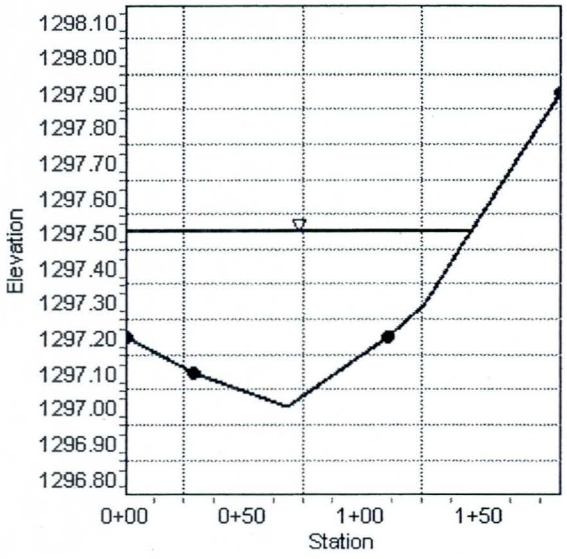
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00900	ft/ft
Normal Depth	0.50	ft
Discharge	74.62	ft^3/s

Cross Section Image



Worksheet for G20-A

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01300	ft/ft
Normal Depth	1.24	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1358.87
0+14	1358.97
0+53	1359.13
1+46	1358.79
1+61	1358.76
2+77	1359.28

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1358.87)	(0+53, 1359.13)	0.050
(0+53, 1359.13)	(1+61, 1358.76)	0.050
(1+61, 1358.76)	(2+77, 1359.28)	0.050

Results

Discharge	959.11	ft^3/s
Elevation Range	1358.76 to 1359.28 ft	
Flow Area	281.45	ft^2
Wetted Perimeter	279.06	ft
Top Width	277.20	ft
Normal Depth	1.24	ft
Critical Depth	0.94	ft
Critical Slope	0.04091	ft/ft
Velocity	3.41	ft/s
Velocity Head	0.18	ft

Worksheet for G20-A

Results

Specific Energy		1.42	ft
Froude Number		0.60	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	1.24	ft
Critical Depth	0.94	ft
Channel Slope	0.01300	ft/ft
Critical Slope	0.04091	ft/ft

Cross Section for G20-A

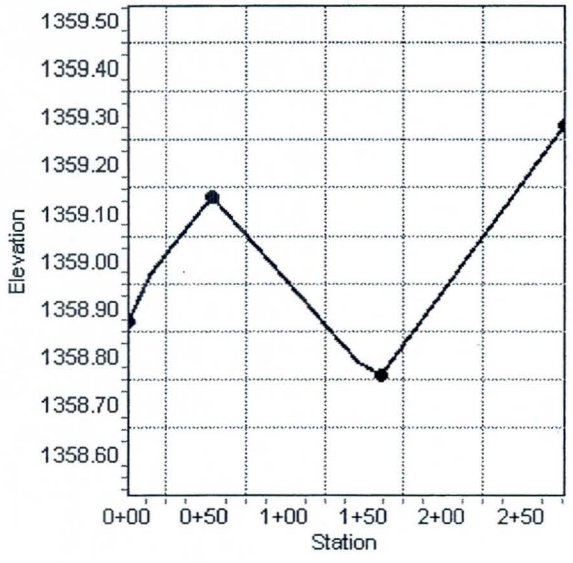
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01300	ft/ft
Normal Depth	1.24	ft
Discharge	959.11	ft^3/s

Cross Section Image



Worksheet for G20

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01300	ft/ft
Normal Depth	2.17	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1358.54
0+20	1358.40
0+80	1358.58
1+35	1357.93
1+87	1357.83
2+31	1358.26
2+57	1358.59

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1358.54)	(2+57, 1358.59)	0.050

Results

Discharge		2233.12	ft^3/s
Elevation Range	1357.83 to 1358.59 ft		
Flow Area		453.93	ft^2
Wetted Perimeter		259.47	ft
Top Width		256.59	ft
Normal Depth		2.17	ft
Critical Depth		1.73	ft
Critical Slope		0.03347	ft/ft
Velocity		4.92	ft/s
Velocity Head		0.38	ft
Specific Energy		2.55	ft

Worksheet for G20

Results

Froude Number	0.65	
Flow Type	Subcritical	

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	2.17	ft
Critical Depth	1.73	ft
Channel Slope	0.01300	ft/ft
Critical Slope	0.03347	ft/ft

Cross Section for G20

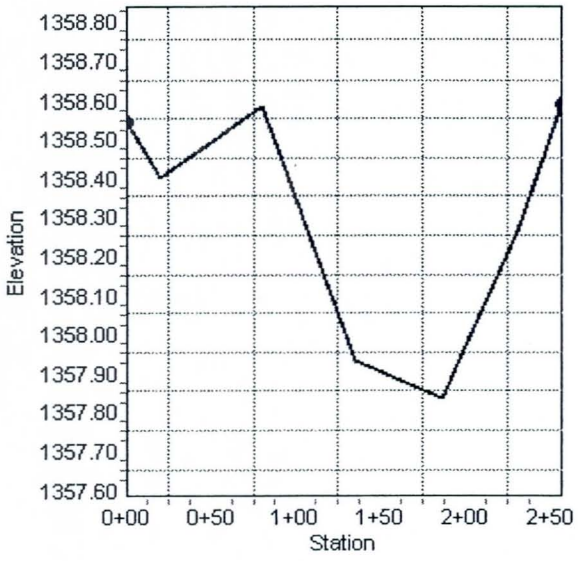
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01300	ft/ft
Normal Depth	2.17	ft
Discharge	2233.12	ft³/s

Cross Section Image



Worksheet for H01-A

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01400	ft/ft
Normal Depth	2.90	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1398.10
0+10	1398.00
0+21	1397.70
0+89	1396.80
1+32	1396.40
1+69	1396.50
1+80	1396.40
2+04	1396.40
2+88	1396.10
3+47	1397.10

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1398.10)	(1+32, 1396.40)	0.050
(1+32, 1396.40)	(2+88, 1396.10)	0.045
(2+88, 1396.10)	(3+47, 1397.10)	0.050

Results

Discharge		5122.49	ft^3/s
Elevation Range	1396.10 to 1398.10 ft		
Flow Area		801.75	ft^2
Wetted Perimeter		349.82	ft
Top Width		347.00	ft
Normal Depth		2.90	ft

Worksheet for H01-A

Results

Critical Depth		2.48	ft
Critical Slope		0.02717	ft/ft
Velocity		6.39	ft/s
Velocity Head		0.63	ft
Specific Energy		3.53	ft
Froude Number		0.74	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth		0.00	ft
Length		0.00	ft
Number Of Steps		0	

GVF Output Data

Upstream Depth		0.00	ft
Profile Description			
Profile Headloss		0.00	ft
Downstream Velocity		Infinity	ft/s
Upstream Velocity		Infinity	ft/s
Normal Depth		2.90	ft
Critical Depth		2.48	ft
Channel Slope		0.01400	ft/ft
Critical Slope		0.02717	ft/ft

Cross Section for H01-A

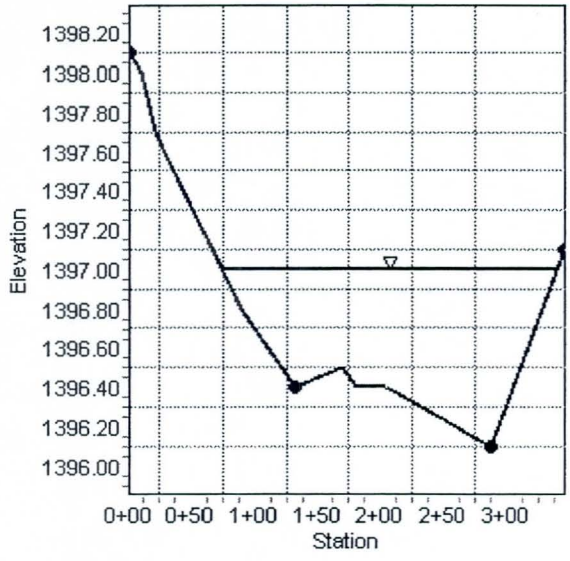
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01400	ft/ft
Normal Depth	0.90	ft
Discharge	365.57	ft³/s

Cross Section Image



Worksheet for H01

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01500	ft/ft
Normal Depth	2.20	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1396.90
0+62	1395.80
0+63	1395.80
0+85	1396.00
1+82	1396.40
1+96	1396.60
2+02	1396.60
2+66	1397.20
3+10	1397.60

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1396.90)	(0+63, 1395.80)	0.050
(0+63, 1395.80)	(0+85, 1396.00)	0.045
(0+85, 1396.00)	(3+10, 1397.60)	0.050

Results

Discharge	2118.91	ft^3/s
Elevation Range	1395.80 to 1397.60 ft	
Flow Area	451.50	ft^2
Wetted Perimeter	311.52	ft
Top Width	310.00	ft
Normal Depth	2.20	ft
Critical Depth	1.88	ft

Worksheet for H01

Results

Critical Slope		0.03461	ft/ft
Velocity		4.69	ft/s
Velocity Head		0.34	ft
Specific Energy		2.54	ft
Froude Number		0.69	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth		0.00	ft
Length		0.00	ft
Number Of Steps		0	

GVF Output Data

Upstream Depth		0.00	ft
Profile Description			
Profile Headloss		0.00	ft
Downstream Velocity		Infinity	ft/s
Upstream Velocity		Infinity	ft/s
Normal Depth		2.20	ft
Critical Depth		1.88	ft
Channel Slope		0.01500	ft/ft
Critical Slope		0.03461	ft/ft

Cross Section for H01

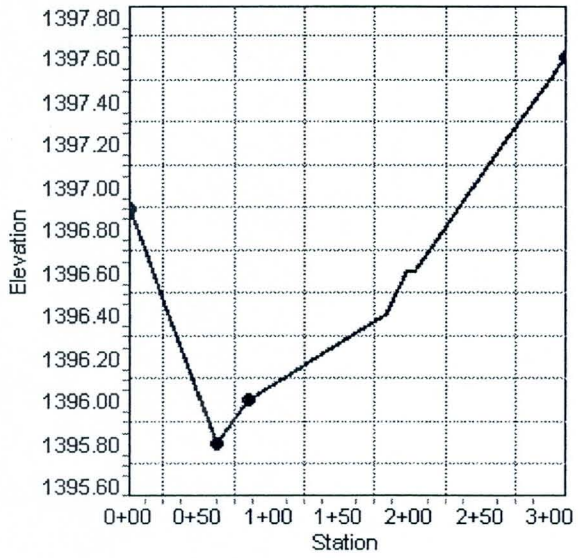
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01500	ft/ft
Normal Depth	2.20	ft
Discharge	2118.91	ft^3/s

Cross Section Image



Worksheet for H07-A

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00900	ft/ft
Normal Depth	2.00	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1267.57
0+16	1267.39
1+35	1266.45
1+82	1266.34
2+26	1266.00
2+41	1266.00
2+42	1266.00
2+75	1266.00
3+60	1267.14

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1267.57)	(1+82, 1266.34)	0.050
(1+82, 1266.34)	(2+75, 1266.00)	0.045
(2+75, 1266.00)	(3+60, 1267.14)	0.050

Results

Discharge	1869.49	ft^3/s
Elevation Range	1266.00 to 1267.57 ft	
Flow Area	512.34	ft^2
Wetted Perimeter	361.30	ft
Top Width	360.00	ft
Normal Depth	2.00	ft
Critical Depth	1.52	ft

Worksheet for H07-A

Results

Critical Slope		0.03528	ft/ft
Velocity		3.65	ft/s
Velocity Head		0.21	ft
Specific Energy		2.21	ft
Froude Number		0.54	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	2.00	ft
Critical Depth	1.52	ft
Channel Slope	0.00900	ft/ft
Critical Slope	0.03528	ft/ft

Cross Section for H07-A

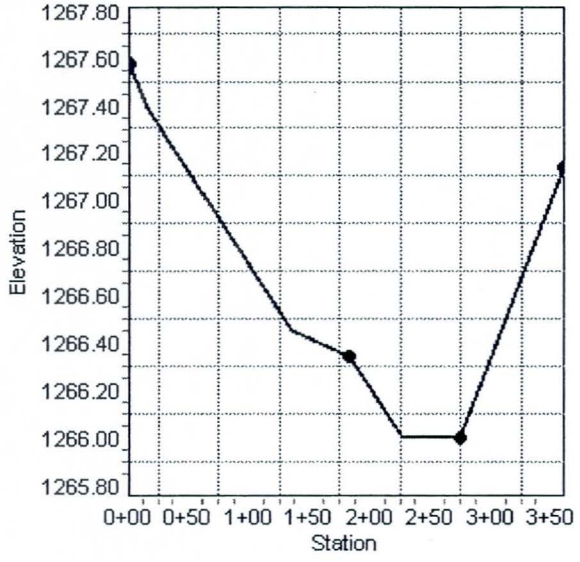
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00900	ft/ft
Normal Depth	2.00	ft
Discharge	1869.49	ft³/s

Cross Section Image



Worksheet for H07

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01000	ft/ft
Normal Depth	1.89	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1267.15
0+91	1266.74
1+15	1266.50
1+88	1266.18
2+00	1266.15
2+35	1266.11
2+56	1266.25
2+69	1266.40
3+65	1267.20
4+14	1267.35

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1267.15)	(1+15, 1266.50)	0.050
(1+15, 1266.50)	(2+69, 1266.40)	0.045
(2+69, 1266.40)	(4+14, 1267.35)	0.050

Results

Discharge	2033.04	ft^3/s
Elevation Range	1266.11 to 1267.35 ft	
Flow Area	548.26	ft^2
Wetted Perimeter	415.51	ft
Top Width	414.00	ft
Normal Depth	1.89	ft

Worksheet for H07

Results

Critical Depth		1.47	ft
Critical Slope		0.03504	ft/ft
Velocity		3.71	ft/s
Velocity Head		0.21	ft
Specific Energy		2.10	ft
Froude Number		0.57	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth		0.00	ft
Length		0.00	ft
Number Of Steps		0	

GVF Output Data

Upstream Depth		0.00	ft
Profile Description			
Profile Headloss		0.00	ft
Downstream Velocity		Infinity	ft/s
Upstream Velocity		Infinity	ft/s
Normal Depth		1.89	ft
Critical Depth		1.47	ft
Channel Slope		0.01000	ft/ft
Critical Slope		0.03504	ft/ft

Cross Section for H07

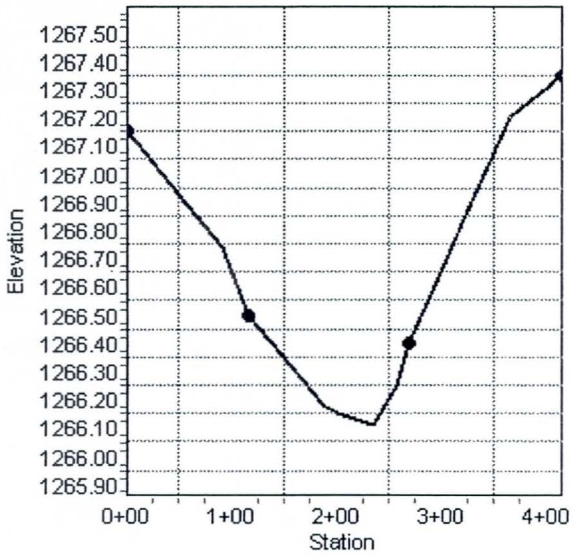
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01000	ft/ft
Normal Depth	1.89	ft
Discharge	2033.04	ft^3/s

Cross Section Image



Worksheet for H11-A

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01500	ft/ft
Normal Depth	2.50	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1317.56
0+58	1316.63
1+10	1316.00
1+26	1315.83
1+51	1315.80
2+25	1315.50
2+76	1316.00
2+90	1316.20
3+00	1316.30
3+11	1316.40
3+12	1316.50

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1317.56)	(1+10, 1316.00)	0.050
(1+10, 1316.00)	(2+76, 1316.00)	0.045
(2+76, 1316.00)	(3+12, 1316.50)	0.050

Results

Discharge	3355.13	ft^3/s
Elevation Range	1315.50 to 1317.56 ft	
Flow Area	580.28	ft^2
Wetted Perimeter	313.79	ft
Top Width	311.83	ft

Worksheet for H11-A

Results

Normal Depth		2.50	ft
Critical Depth		2.17	ft
Critical Slope		0.02858	ft/ft
Velocity		5.78	ft/s
Velocity Head		0.52	ft
Specific Energy		3.02	ft
Froude Number		0.75	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	2.50	ft
Critical Depth	2.17	ft
Channel Slope	0.01500	ft/ft
Critical Slope	0.02858	ft/ft

Cross Section for H11-A

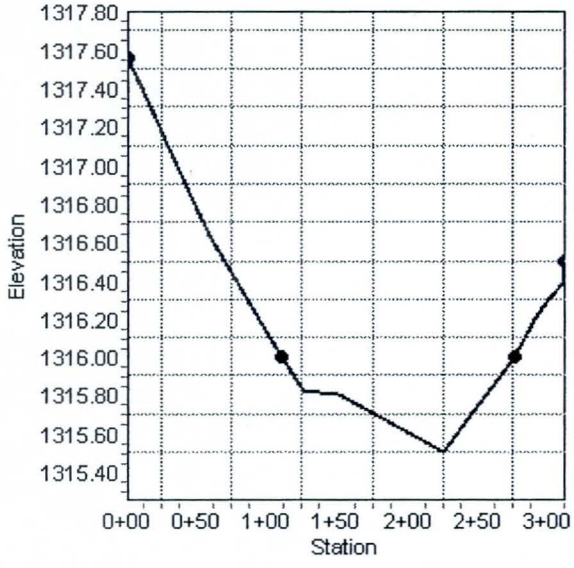
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01500	ft/ft
Normal Depth	2.50	ft
Discharge	3355.13	ft³/s

Cross Section Image



Worksheet for H11

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01400	ft/ft
Normal Depth	3.74	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1316.20
0+03	1316.20
0+24	1316.00
1+33	1316.00
1+37	1316.00
1+63	1315.11
1+70	1314.86
1+76	1314.73
2+01	1314.26
2+14	1314.31
2+63	1314.75
3+18	1315.63
3+31	1315.71
3+50	1316.00
3+53	1316.00
4+80	1317.40

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1316.20)	(1+37, 1316.00)	0.050
(1+37, 1316.00)	(3+18, 1315.63)	0.045
(3+18, 1315.63)	(4+80, 1317.40)	0.050

Worksheet for H11

Results

Discharge		6724.05	ft³/s
Elevation Range	1314.26 to 1317.40 ft		
Flow Area		1078.08	ft²
Wetted Perimeter		482.45	ft
Top Width		480.00	ft
Normal Depth		3.74	ft
Critical Depth		3.32	ft
Critical Slope		0.02779	ft/ft
Velocity		6.24	ft/s
Velocity Head		0.60	ft
Specific Energy		4.34	ft
Froude Number		0.73	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	3.74	ft
Critical Depth	3.32	ft
Channel Slope	0.01400	ft/ft
Critical Slope	0.02779	ft/ft

Cross Section for H11

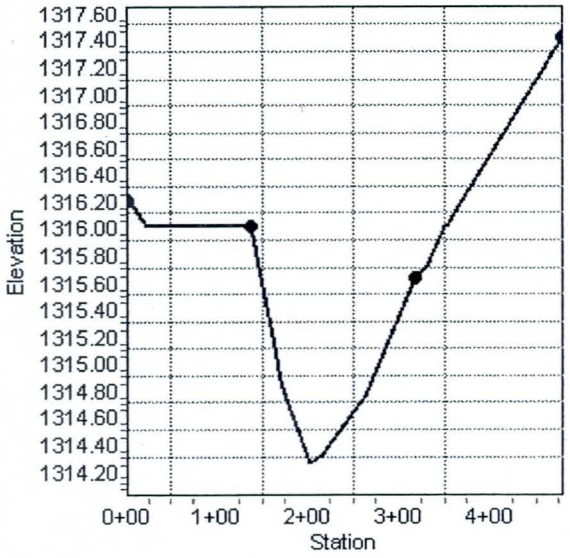
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01400	ft/ft
Normal Depth	3.74	ft
Discharge	6724.05	ft³/s

Cross Section Image



Worksheet for H17-A

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01700	ft/ft
Normal Depth	2.34	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1391.93
1+70	1389.79
2+17	1389.66
2+76	1390.20
3+40	1390.81

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1391.93)	(1+70, 1389.79)	0.050
(1+70, 1389.79)	(2+17, 1389.66)	0.045
(2+17, 1389.66)	(3+40, 1390.81)	0.050

Results

Discharge	2690.90	ft^3/s
Elevation Range	1389.66 to 1391.93 ft	
Flow Area	518.53	ft^2
Wetted Perimeter	341.28	ft
Top Width	340.00	ft
Normal Depth	2.34	ft
Critical Depth	2.03	ft
Critical Slope	0.03265	ft/ft
Velocity	5.19	ft/s
Velocity Head	0.42	ft
Specific Energy	2.76	ft

Worksheet for H17-A

Results

Froude Number	0.74	
Flow Type	Subcritical	

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	2.34	ft
Critical Depth	2.03	ft
Channel Slope	0.01700	ft/ft
Critical Slope	0.03265	ft/ft

Cross Section for H17-A

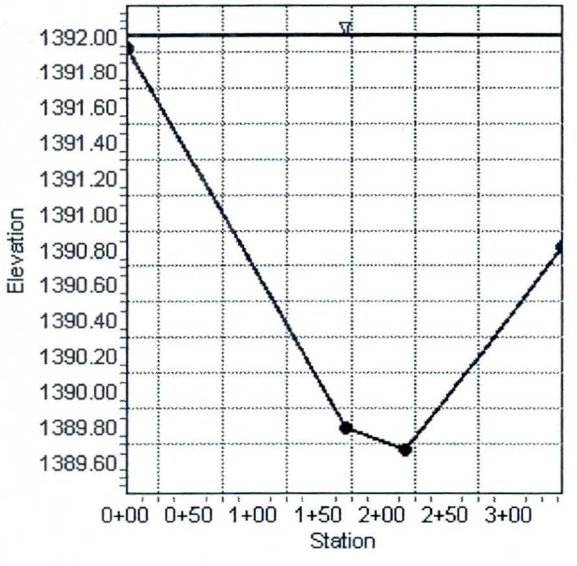
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01700	ft/ft
Normal Depth	2.34	ft
Discharge	2690.90	ft^3/s

Cross Section Image



Worksheet for H17

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01300	ft/ft
Normal Depth	3.60	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1390.75
0+34	1390.50
0+84	1390.00
1+30	1389.40
1+89	1389.40
1+92	1389.45
2+42	1390.04
2+80	1390.56
3+46	1392.00
3+91	1392.00
4+20	1392.40

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1390.75)	(0+84, 1390.00)	0.050
(0+84, 1390.00)	(2+42, 1390.04)	0.045
(2+42, 1390.04)	(4+20, 1392.40)	0.050

Results

Discharge	6663.97	ft³/s
Elevation Range	1389.40 to 1392.40 ft	
Flow Area	1040.24	ft²
Wetted Perimeter	422.88	ft
Top Width	420.00	ft

Worksheet for H17

Results

Normal Depth		3.60	ft
Critical Depth		3.11	ft
Critical Slope		0.02709	ft/ft
Velocity		6.41	ft/s
Velocity Head		0.64	ft
Specific Energy		4.24	ft
Froude Number		0.72	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	3.60	ft
Critical Depth	3.11	ft
Channel Slope	0.01300	ft/ft
Critical Slope	0.02709	ft/ft

Cross Section for H17

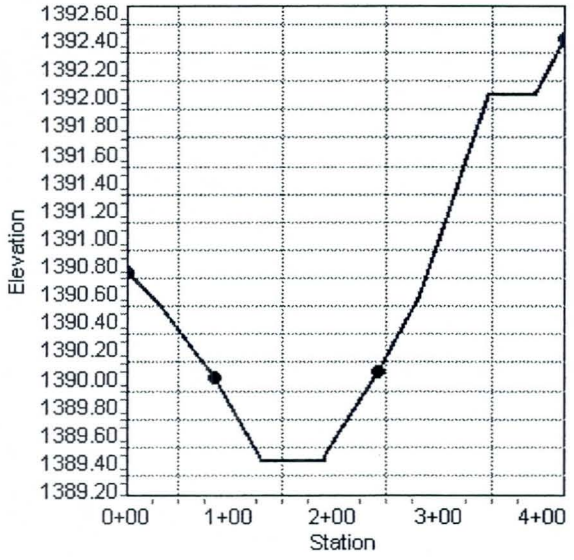
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01300	ft/ft
Normal Depth	3.60	ft
Discharge	6663.97	ft³/s

Cross Section Image



Worksheet for H31-A

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01200	ft/ft
Normal Depth	3.20	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1316.70
0+45	1316.00
1+02	1315.20
1+45	1314.70
1+94	1314.00
1+96	1314.00
2+33	1314.00
2+65	1314.00
3+06	1314.00
3+19	1313.80
3+41	1315.70
3+66	1315.20
3+87	1315.50

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1316.70)	(1+45, 1314.70)	0.050
(1+45, 1314.70)	(3+19, 1313.80)	0.045
(3+19, 1313.80)	(3+87, 1315.50)	0.050

Results

Discharge	4647.23	ft^3/s
Elevation Range	1313.80 to 1316.70 ft	
Flow Area	826.25	ft^2

Worksheet for H31-A

Results

Wetted Perimeter		388.91	ft
Top Width		387.00	ft
Normal Depth		3.20	ft
Critical Depth		2.69	ft
Critical Slope		0.02810	ft/ft
Velocity		5.62	ft/s
Velocity Head		0.49	ft
Specific Energy		3.69	ft
Froude Number		0.68	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	3.20	ft
Critical Depth	2.69	ft
Channel Slope	0.01200	ft/ft
Critical Slope	0.02810	ft/ft

Cross Section for H31-A

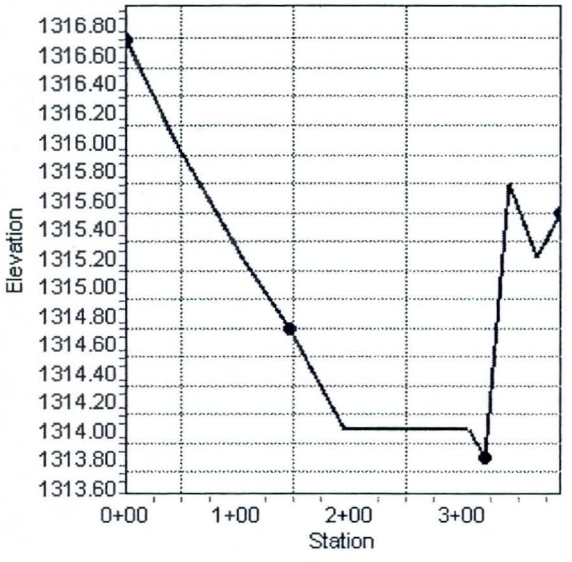
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01200	ft/ft
Normal Depth	3.20	ft
Discharge	4647.23	ft³/s

Cross Section Image



Worksheet for H31

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00800	ft/ft
Normal Depth	3.30	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1315.40
0+85	1313.40
1+36	1312.70
1+46	1312.80
2+41	1314.00
2+46	1314.00
2+76	1314.00
2+94	1314.00
3+26	1314.40
3+28	1314.41

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1315.40)	(0+85, 1313.40)	0.050
(0+85, 1313.40)	(2+41, 1314.00)	0.045
(2+41, 1314.00)	(3+28, 1314.41)	0.050

Results

Discharge	3472.96	ft^3/s
Elevation Range	1312.70 to 1315.40 ft	
Flow Area	732.74	ft^2
Wetted Perimeter	330.23	ft
Top Width	328.00	ft
Normal Depth	3.30	ft

Worksheet for H31

Results

Critical Depth		2.57	ft
Critical Slope		0.02887	ft/ft
Velocity		4.74	ft/s
Velocity Head		0.35	ft
Specific Energy		3.65	ft
Froude Number		0.56	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth		0.00	ft
Length		0.00	ft
Number Of Steps		0	

GVF Output Data

Upstream Depth		0.00	ft
Profile Description			
Profile Headloss		0.00	ft
Downstream Velocity		Infinity	ft/s
Upstream Velocity		Infinity	ft/s
Normal Depth		3.30	ft
Critical Depth		2.57	ft
Channel Slope		0.00800	ft/ft
Critical Slope		0.02887	ft/ft

Cross Section for H31

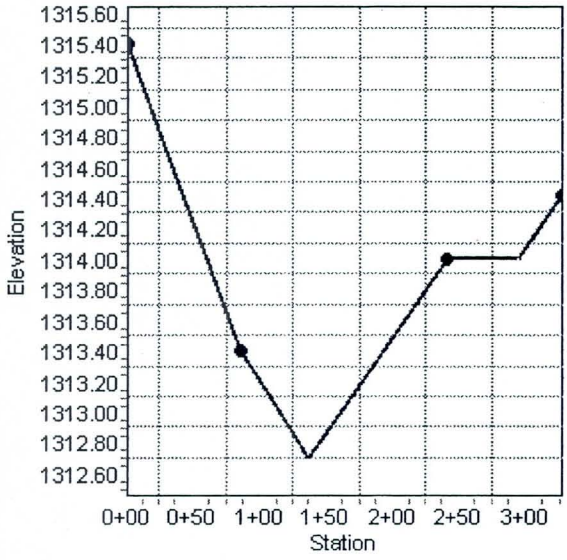
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00800	ft/ft
Normal Depth	3.30	ft
Discharge	3472.96	ft³/s

Cross Section Image



Worksheet for H32-A

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00800	ft/ft
Normal Depth	1.50	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1249.30
0+26	1249.10
0+83	1248.84
1+10	1248.60
1+59	1248.50
1+78	1248.50
1+85	1248.60
2+51	1249.20
2+57	1249.80

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1249.30)	(0+83, 1248.84)	0.050
(0+83, 1248.84)	(1+85, 1248.60)	0.045
(1+85, 1248.60)	(2+57, 1249.80)	0.050

Results

Discharge	913.84	ft^3/s
Elevation Range	1248.50 to 1249.80 ft	
Flow Area	299.37	ft^2
Wetted Perimeter	257.94	ft
Top Width	257.00	ft
Normal Depth	1.50	ft
Critical Depth	1.06	ft

Worksheet for H32-A

Results

Critical Slope		0.03736	ft/ft
Velocity		3.05	ft/s
Velocity Head		0.14	ft
Specific Energy		1.64	ft
Froude Number		0.50	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	1.50	ft
Critical Depth	1.06	ft
Channel Slope	0.00800	ft/ft
Critical Slope	0.03736	ft/ft

Cross Section for H32-A

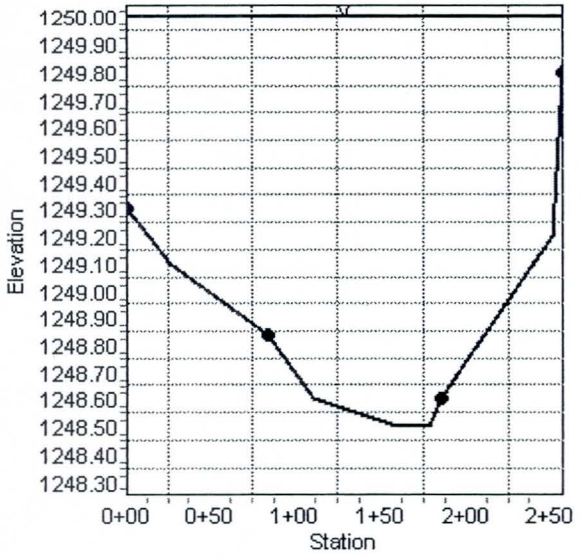
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00800	ft/ft
Normal Depth	1.50	ft
Discharge	913.84	ft^3/s

Cross Section Image



Worksheet for H32

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00800	ft/ft
Normal Depth	2.00	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1249.24
0+21	1249.06
1+10	1248.20
1+32	1248.20
1+38	1248.18
1+68	1248.00
2+60	1248.60
3+09	1248.23
3+21	1248.40
3+51	1249.00

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1249.24)	(1+10, 1248.20)	0.050
(1+10, 1248.20)	(2+60, 1248.60)	0.045
(2+60, 1248.60)	(3+51, 1249.00)	0.050

Results

Discharge	1993.54	ft^3/s
Elevation Range	1248.00 to 1249.24 ft	
Flow Area	540.83	ft^2
Wetted Perimeter	352.78	ft
Top Width	351.00	ft
Normal Depth	2.00	ft

Worksheet for H32

Results

Critical Depth		1.46	ft
Critical Slope		0.03357	ft/ft
Velocity		3.69	ft/s
Velocity Head		0.21	ft
Specific Energy		2.21	ft
Froude Number		0.52	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth		0.00	ft
Length		0.00	ft
Number Of Steps		0	

GVF Output Data

Upstream Depth		0.00	ft
Profile Description			
Profile Headloss		0.00	ft
Downstream Velocity		Infinity	ft/s
Upstream Velocity		Infinity	ft/s
Normal Depth		2.00	ft
Critical Depth		1.46	ft
Channel Slope		0.00800	ft/ft
Critical Slope		0.03357	ft/ft

Cross Section for H32

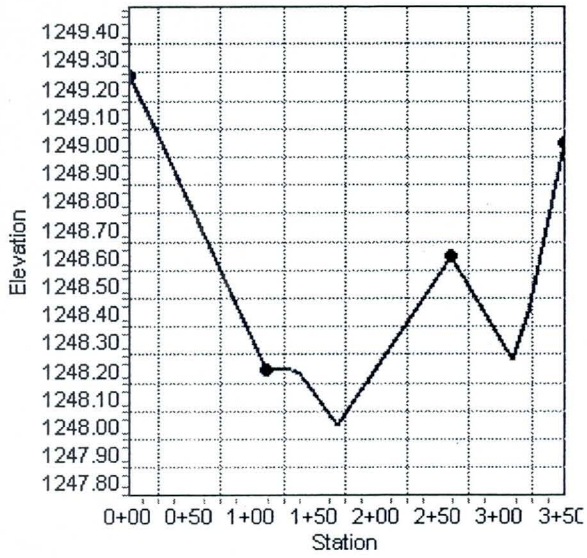
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00800	ft/ft
Normal Depth	2.00	ft
Discharge	1993.54	ft³/s

Cross Section Image



Worksheet for H33-A

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00700	ft/ft
Normal Depth	3.00	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1214.09
0+08	1214.00
0+17	1213.90
0+19	1213.90
0+48	1213.70
1+62	1212.80
1+89	1212.60
2+04	1212.50
2+51	1212.20
2+59	1212.20
2+94	1212.00
2+96	1212.00
3+12	1212.00
4+00	1212.10
4+04	1212.10
5+12	1212.10
5+53	1212.40
5+69	1212.50
6+35	1212.80
7+94	1214.00
8+31	1214.00

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient

Worksheet for H33-A

Input Data

Start Station	Ending Station	Roughness Coefficient
(0+00, 1214.09)	(1+62, 1212.80)	0.050
(1+62, 1212.80)	(5+53, 1212.40)	0.045
(5+53, 1212.40)	(8+31, 1214.00)	0.050

Results

Discharge		8126.32	ft³/s
Elevation Range	1212.00 to 1214.09 ft		
Flow Area		1839.34	ft²
Wetted Perimeter		832.92	ft
Top Width		831.00	ft
Normal Depth		3.00	ft
Critical Depth		2.22	ft
Critical Slope		0.02942	ft/ft
Velocity		4.42	ft/s
Velocity Head		0.30	ft
Specific Energy		3.30	ft
Froude Number		0.52	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	3.00	ft
Critical Depth	2.22	ft
Channel Slope	0.00700	ft/ft
Critical Slope	0.02942	ft/ft

Cross Section for H33-A

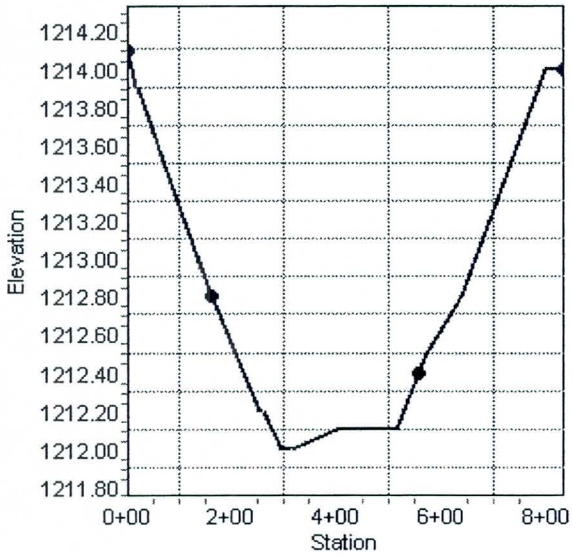
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00700	ft/ft
Normal Depth	3.00	ft
Discharge	8126.32	ft^3/s

Cross Section Image



Worksheet for H33

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00700	ft/ft
Normal Depth	3.00	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1214.09
0+08	1214.00
0+17	1213.90
0+19	1213.90
0+48	1213.70
1+62	1212.80
1+89	1212.60
2+04	1212.50
2+51	1212.20
2+59	1212.20
2+94	1212.00
2+96	1212.00
3+12	1212.00
4+00	1212.10
4+04	1212.10
5+12	1212.10
5+53	1212.40
5+69	1212.50
6+35	1212.80
7+94	1214.00
8+31	1214.00

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient

Worksheet for H33

Input Data

Start Station	Ending Station	Roughness Coefficient
(0+00, 1214.09)	(1+62, 1212.80)	0.050
(1+62, 1212.80)	(5+53, 1212.40)	0.045
(5+53, 1212.40)	(8+31, 1214.00)	0.050

Results

Discharge		8126.32	ft^3/s
Elevation Range	1212.00 to 1214.09 ft		
Flow Area		1839.34	ft^2
Wetted Perimeter		832.92	ft
Top Width		831.00	ft
Normal Depth		3.00	ft
Critical Depth		2.22	ft
Critical Slope		0.02942	ft/ft
Velocity		4.42	ft/s
Velocity Head		0.30	ft
Specific Energy		3.30	ft
Froude Number		0.52	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	3.00	ft
Critical Depth	2.22	ft
Channel Slope	0.00700	ft/ft
Critical Slope	0.02942	ft/ft

Cross Section for H33

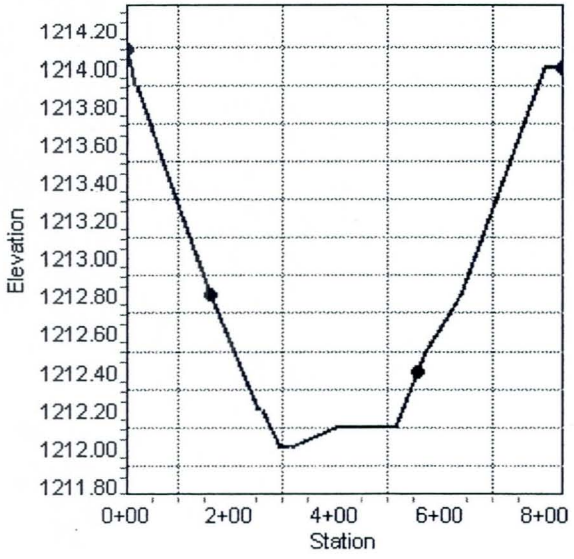
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00700	ft/ft
Normal Depth	3.00	ft
Discharge	8126.32	ft³/s

Cross Section Image



Worksheet for H39-A

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00900	ft/ft
Normal Depth	3.00	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1192.50
0+03	1192.50
0+44	1192.00
0+95	1190.00
1+32	1192.00
1+48	1192.00
1+54	1192.00
1+79	1192.50
2+27	1192.50

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1192.50)	(0+44, 1192.00)	0.050
(0+44, 1192.00)	(1+32, 1192.00)	0.045
(1+32, 1192.00)	(2+27, 1192.50)	0.050

Results

Discharge		901.32	ft^3/s
Elevation Range	1190.00 to 1192.50 ft		
Flow Area		273.00	ft^2
Wetted Perimeter		228.10	ft
Top Width		227.00	ft
Normal Depth		3.00	ft
Critical Depth		2.59	ft

Worksheet for H39-A

Results

Critical Slope		0.03660	ft/ft
Velocity		3.30	ft/s
Velocity Head		0.17	ft
Specific Energy		3.17	ft
Froude Number		0.53	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	3.00	ft
Critical Depth	2.59	ft
Channel Slope	0.00900	ft/ft
Critical Slope	0.03660	ft/ft

Cross Section for H39-A

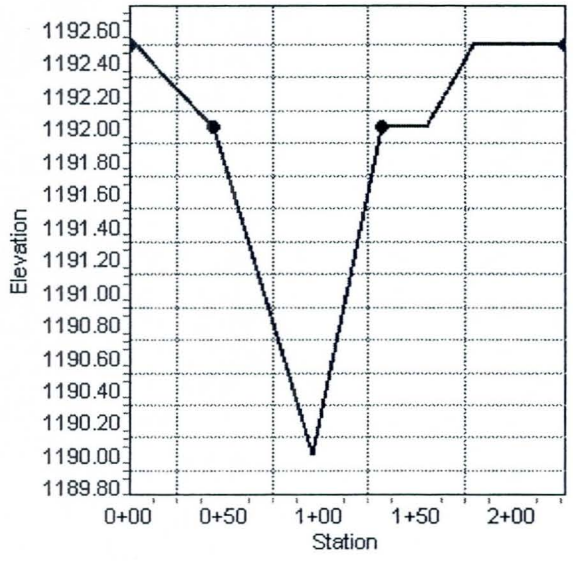
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00900	ft/ft
Normal Depth	3.00	ft
Discharge	901.32	ft³/s

Cross Section Image



Worksheet for H39

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00900	ft/ft
Normal Depth	1.50	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1192.00
0+12	1192.00
0+23	1192.00
0+45	1192.00
0+58	1192.00
0+59	1191.90
0+91	1191.80
0+95	1191.50
0+99	1191.90
1+23	1192.00
1+43	1192.50
2+31	1192.80

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1192.00)	(0+91, 1191.80)	0.050
(0+91, 1191.80)	(0+99, 1191.90)	0.045
(0+99, 1191.90)	(2+31, 1192.80)	0.050

Results

Discharge	419.51	ft^3/s
Elevation Range	1191.50 to 1192.80 ft	
Flow Area	177.45	ft^2
Wetted Perimeter	232.24	ft

Worksheet for H39

Results

Top Width		231.00	ft
Normal Depth		1.50	ft
Critical Depth		1.16	ft
Critical Slope		0.04479	ft/ft
Velocity		2.36	ft/s
Velocity Head		0.09	ft
Specific Energy		1.59	ft
Froude Number		0.48	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth		0.00	ft
Length		0.00	ft
Number Of Steps		0	

GVF Output Data

Upstream Depth		0.00	ft
Profile Description			
Profile Headloss		0.00	ft
Downstream Velocity		Infinity	ft/s
Upstream Velocity		Infinity	ft/s
Normal Depth		1.50	ft
Critical Depth		1.16	ft
Channel Slope		0.00900	ft/ft
Critical Slope		0.04479	ft/ft

Cross Section for H39

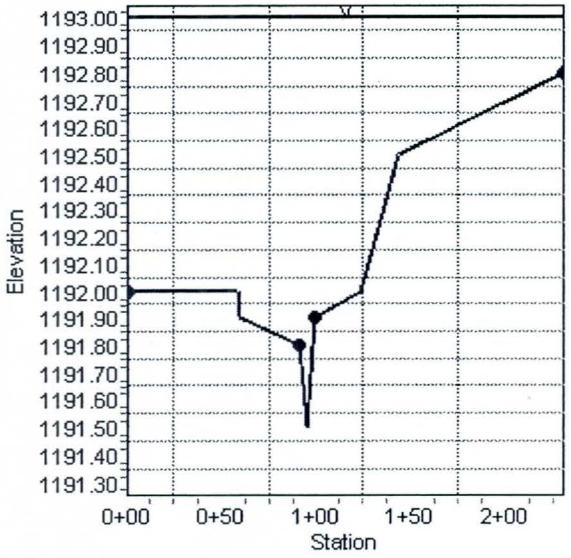
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00900	ft/ft
Normal Depth	1.50	ft
Discharge	419.51	ft³/s

Cross Section Image



Worksheet for H48-A

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00700	ft/ft
Normal Depth	0.50	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1200.90
0+01	1200.89
1+81	1200.00
2+30	1199.90
2+44	1199.90
2+46	1199.90
2+52	1199.90
2+56	1199.80
2+56	1199.80
2+58	1199.80
3+42	1199.50
4+10	1200.00
4+11	1200.00
4+15	1200.00
5+07	1200.50
5+30	1200.60

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1200.90)	(1+81, 1200.00)	0.050
(1+81, 1200.00)	(4+10, 1200.00)	0.045
(4+10, 1200.00)	(5+30, 1200.60)	0.050

Worksheet for H48-A

Results

Discharge		53.56	ft³/s
Elevation Range	1199.50 to 1200.90 ft		
Flow Area		52.05	ft²
Wetted Perimeter		229.00	ft
Top Width		229.00	ft
Normal Depth		0.50	ft
Critical Depth		0.33	ft
Critical Slope		0.05307	ft/ft
Velocity		1.03	ft/s
Velocity Head		0.02	ft
Specific Energy		0.52	ft
Froude Number		0.38	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.50	ft
Critical Depth	0.33	ft
Channel Slope	0.00700	ft/ft
Critical Slope	0.05307	ft/ft

Cross Section for H48-A

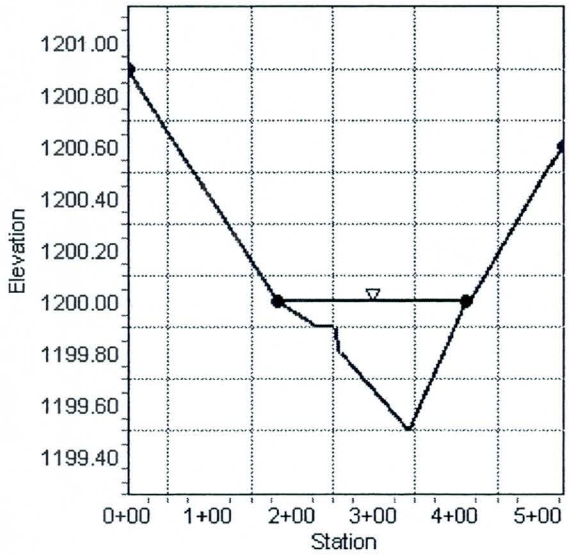
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00700	ft/ft
Normal Depth	0.50	ft
Discharge	53.56	ft^3/s

Cross Section Image



Worksheet for H48

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00700	ft/ft
Normal Depth	0.30	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1200.70
0+29	1200.50
1+09	1200.00
1+51	1199.70
2+17	1199.70
2+65	1199.90
2+68	1199.95
2+86	1200.00
4+15	1200.40
4+40	1200.40
4+72	1200.50
4+97	1200.80
5+70	1201.20
6+15	1201.40

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1200.70)	(1+51, 1199.70)	0.050
(1+51, 1199.70)	(2+65, 1199.90)	0.045
(2+65, 1199.90)	(6+15, 1201.40)	0.050

Results

Discharge	33.62	ft^3/s
Elevation Range	1199.70 to 1201.40 ft	

Worksheet for H48

Results

Flow Area		36.37	ft²
Wetted Perimeter		177.00	ft
Top Width		177.00	ft
Normal Depth		0.30	ft
Critical Depth		0.17	ft
Critical Slope		0.06356	ft/ft
Velocity		0.92	ft/s
Velocity Head		0.01	ft
Specific Energy		0.31	ft
Froude Number		0.36	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.30	ft
Critical Depth	0.17	ft
Channel Slope	0.00700	ft/ft
Critical Slope	0.06356	ft/ft

Cross Section for H48

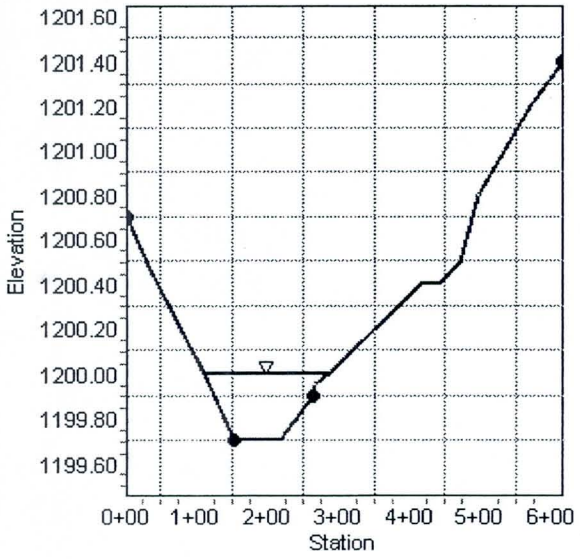
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00700	ft/ft
Normal Depth	0.30	ft
Discharge	33.62	ft³/s

Cross Section Image



Worksheet for H59-A

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00700	ft/ft
Normal Depth	0.50	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1234.20
0+31	1234.02
0+37	1234.00
0+63	1234.00
0+70	1234.00
1+12	1233.90
1+15	1233.80
1+17	1233.90
1+32	1233.90
1+47	1233.90
1+75	1233.90
1+77	1233.90
1+79	1233.90
2+65	1233.50
2+74	1233.60
3+15	1234.00
3+24	1234.00
3+40	1234.10

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1234.20)	(1+79, 1233.90)	0.050
(1+79, 1233.90)	(3+15, 1234.00)	0.045
(3+15, 1234.00)	(3+40, 1234.10)	0.050

Worksheet for H59-A

Results

Discharge		41.24	ft³/s
Elevation Range	1233.50 to 1234.20 ft		
Flow Area		47.10	ft²
Wetted Perimeter		245.01	ft
Top Width		245.00	ft
Normal Depth		0.50	ft
Critical Depth		0.34	ft
Critical Slope		0.05938	ft/ft
Velocity		0.88	ft/s
Velocity Head		0.01	ft
Specific Energy		0.51	ft
Froude Number		0.35	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.50	ft
Critical Depth	0.34	ft
Channel Slope	0.00700	ft/ft
Critical Slope	0.05938	ft/ft

Cross Section for H59-A

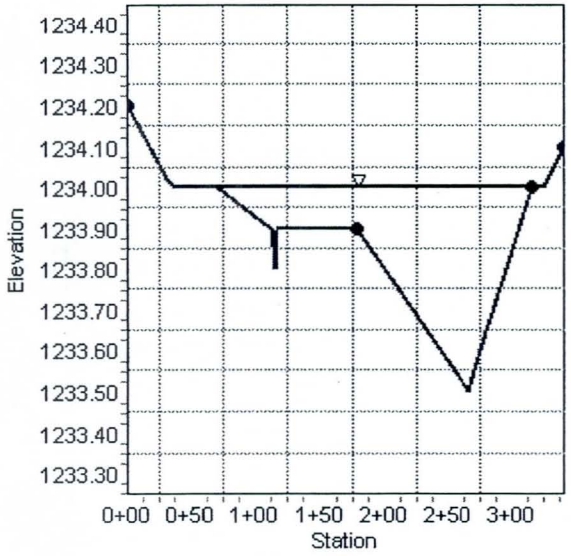
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00700	ft/ft
Normal Depth	0.50	ft
Discharge	41.24	ft³/s

Cross Section Image



Worksheet for H59

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00700	ft/ft
Normal Depth	0.50	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1234.10
0+08	1234.00
0+27	1234.00
0+58	1233.50
0+96	1234.00
1+04	1234.00
1+51	1234.00
1+80	1234.00
3+20	1234.80
3+32	1234.90
3+37	1235.00

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1234.10)	(0+27, 1234.00)	0.050
(0+27, 1234.00)	(0+96, 1234.00)	0.045
(0+96, 1234.00)	(3+37, 1235.00)	0.050

Results

Discharge		18.91	ft^3/s
Elevation Range	1233.50 to 1235.00 ft		
Flow Area		17.25	ft^2
Wetted Perimeter		69.01	ft
Top Width		69.00	ft

Worksheet for H59

Results

Normal Depth		0.50	ft
Critical Depth		0.34	ft
Critical Slope		0.05317	ft/ft
Velocity		1.10	ft/s
Velocity Head		0.02	ft
Specific Energy		0.52	ft
Froude Number		0.39	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth		0.00	ft
Length		0.00	ft
Number Of Steps		0	

GVF Output Data

Upstream Depth		0.00	ft
Profile Description			
Profile Headloss		0.00	ft
Downstream Velocity		Infinity	ft/s
Upstream Velocity		Infinity	ft/s
Normal Depth		0.50	ft
Critical Depth		0.34	ft
Channel Slope		0.00700	ft/ft
Critical Slope		0.05317	ft/ft

Cross Section for H59

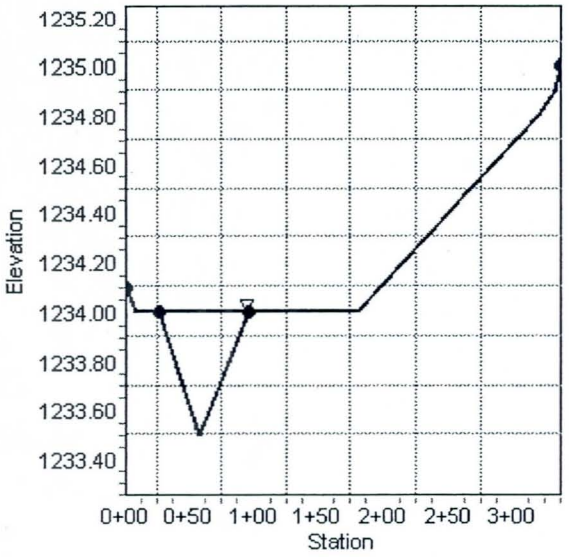
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00700	ft/ft
Normal Depth	0.50	ft
Discharge	18.91	ft³/s

Cross Section Image



Worksheet for H63-A

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00700	ft/ft
Normal Depth	0.04	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1225.22
0+98	1224.20
1+15	1224.00
1+28	1224.00
1+29	1224.00
1+50	1224.00
1+71	1224.00
1+74	1224.00
1+75	1224.00
2+07	1224.00
3+03	1223.96
3+08	1224.00
3+11	1224.00
3+41	1224.00
3+77	1224.00
3+88	1224.00
3+94	1224.00
4+56	1224.50

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1225.22)	(1+75, 1224.00)	0.050
(1+75, 1224.00)	(3+08, 1224.00)	0.045
(3+08, 1224.00)	(4+56, 1224.50)	0.050

Worksheet for H63-A

Results

Discharge		0.41	ft³/s
Elevation Range	1223.96 to 1225.22 ft		
Flow Area		2.02	ft²
Wetted Perimeter		101.00	ft
Top Width		101.00	ft
Normal Depth		0.04	ft
Critical Depth		0.02	ft
Critical Slope		0.13017	ft/ft
Velocity		0.20	ft/s
Velocity Head		0.00	ft
Specific Energy		0.04	ft
Froude Number		0.25	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.04	ft
Critical Depth	0.02	ft
Channel Slope	0.00700	ft/ft
Critical Slope	0.13017	ft/ft

Cross Section for H63-A

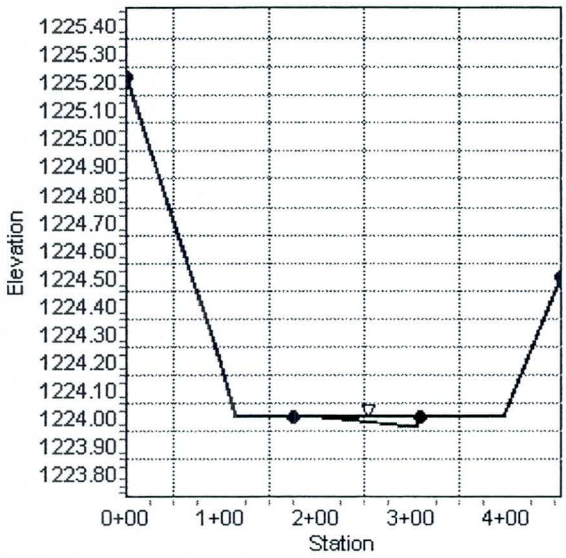
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00700	ft/ft
Normal Depth	0.04	ft
Discharge	0.41	ft^3/s

Cross Section Image



Worksheet for H63

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00700	ft/ft
Normal Depth	0.50	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1224.43
0+52	1224.00
1+15	1224.00
1+32	1224.00
1+66	1224.00
1+93	1224.00
1+97	1224.00
2+06	1224.00
2+23	1224.00
2+63	1224.00
2+67	1224.00
2+88	1224.00
3+03	1224.00
3+59	1224.70
4+17	1225.30
4+78	1225.40
5+24	1225.50

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1224.43)	(0+52, 1224.00)	0.050
(0+52, 1224.00)	(3+03, 1224.00)	0.045
(3+03, 1224.00)	(5+24, 1225.50)	0.050

Worksheet for H63

Results

Discharge		232.37	ft^3/s
Elevation Range	1224.00 to 1225.50 ft		
Flow Area		150.32	ft^2
Wetted Perimeter		343.07	ft
Top Width		343.00	ft
Normal Depth		0.50	ft
Critical Depth		0.29	ft
Critical Slope		0.04914	ft/ft
Velocity		1.55	ft/s
Velocity Head		0.04	ft
Specific Energy		0.54	ft
Froude Number		0.41	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.50	ft
Critical Depth	0.29	ft
Channel Slope	0.00700	ft/ft
Critical Slope	0.04914	ft/ft

Cross Section for H63

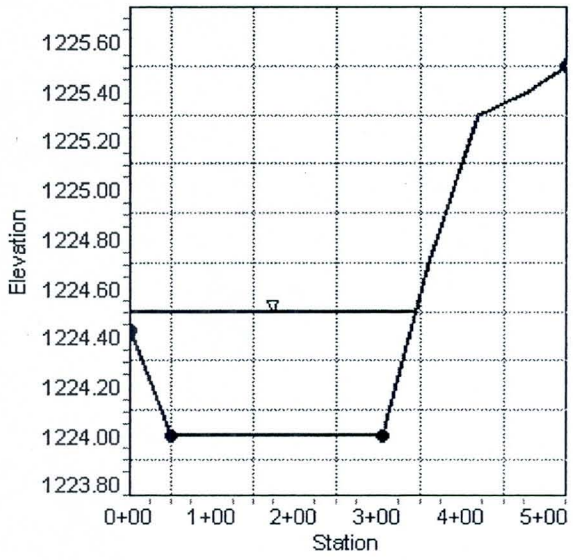
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.00700	ft/ft
Normal Depth	0.50	ft
Discharge	232.37	ft³/s

Cross Section Image



Worksheet for H35-A

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01200	ft/ft
Normal Depth	1.32	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1305.99
0+06	1305.99
1+14	1305.75
1+37	1305.71
1+39	1305.68
1+40	1305.68
2+48	1306.00
2+49	1306.00
2+49	1306.00
2+95	1306.00
2+95	1306.00
3+83	1306.50

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1305.99)	(1+39, 1305.68)	0.050
(1+39, 1305.68)	(2+49, 1306.00)	0.050
(2+49, 1306.00)	(3+83, 1306.50)	0.045

Results

Discharge	1380.57	ft^3/s
Elevation Range	1305.68 to 1306.50 ft	
Flow Area	399.46	ft^2
Wetted Perimeter	384.51	ft

Worksheet for H35-A

Results

Top Width		383.00	ft
Normal Depth		1.32	ft
Critical Depth		1.02	ft
Critical Slope		0.03773	ft/ft
Velocity		3.46	ft/s
Velocity Head		0.19	ft
Specific Energy		1.51	ft
Froude Number		0.60	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth		0.00	ft
Length		0.00	ft
Number Of Steps		0	

GVF Output Data

Upstream Depth		0.00	ft
Profile Description			
Profile Headloss		0.00	ft
Downstream Velocity		Infinity	ft/s
Upstream Velocity		Infinity	ft/s
Normal Depth		1.32	ft
Critical Depth		1.02	ft
Channel Slope		0.01200	ft/ft
Critical Slope		0.03773	ft/ft

Cross Section for H35-A

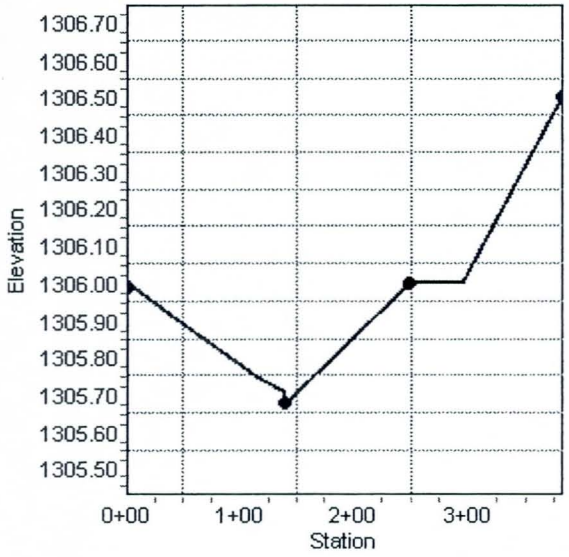
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01200	ft/ft
Normal Depth	1.32	ft
Discharge	1380.57	ft^3/s

Cross Section Image



Worksheet for H35

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01000	ft/ft
Normal Depth	2.60	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1307.00
0+48	1306.80
1+09	1306.00
1+52	1305.60
2+61	1305.20
2+73	1304.90
3+27	1304.40
3+59	1304.60
3+87	1304.60
4+11	1304.90
5+16	1306.00
5+28	1306.10

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1307.00)	(2+61, 1305.20)	0.045
(2+61, 1305.20)	(4+11, 1304.90)	0.050
(4+11, 1304.90)	(5+28, 1306.10)	0.045

Results

Discharge	3321.77	ft^3/s
Elevation Range	1304.40 to 1307.00 ft	
Flow Area	793.05	ft^2
Wetted Perimeter	528.92	ft

Worksheet for H35

Results

Top Width		528.00	ft
Normal Depth		2.60	ft
Critical Depth		2.07	ft
Critical Slope		0.02979	ft/ft
Velocity		4.19	ft/s
Velocity Head		0.27	ft
Specific Energy		2.87	ft
Froude Number		0.60	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	2.60	ft
Critical Depth	2.07	ft
Channel Slope	0.01000	ft/ft
Critical Slope	0.02979	ft/ft

Cross Section for H35

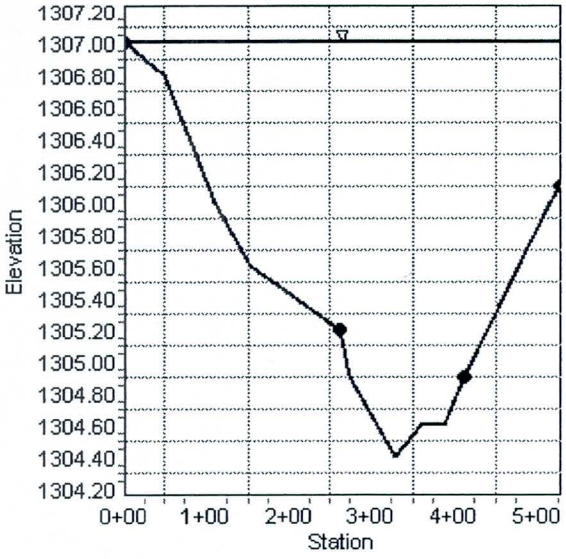
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01000	ft/ft
Normal Depth	2.60	ft
Discharge	3321.77	ft³/s

Cross Section Image



Worksheet for I03-A

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01500	ft/ft
Normal Depth	2.12	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1353.30
0+41	1353.10
0+97	1352.00
1+00	1351.95
1+67	1351.89
1+73	1351.88
1+98	1352.50
2+19	1353.25
2+28	1353.56

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1353.30)	(0+41, 1353.10)	0.050
(0+41, 1353.10)	(1+98, 1352.50)	0.045
(1+98, 1352.50)	(2+28, 1353.56)	0.050

Results

Discharge		1780.09	ft^3/s
Elevation Range	1351.88 to 1353.56 ft		
Flow Area		346.35	ft^2
Wetted Perimeter		229.18	ft
Top Width		228.00	ft
Normal Depth		2.12	ft
Critical Depth		1.84	ft

Worksheet for I03-A

Results

Critical Slope		0.02962	ft/ft
Velocity		5.14	ft/s
Velocity Head		0.41	ft
Specific Energy		2.53	ft
Froude Number		0.74	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	2.12	ft
Critical Depth	1.84	ft
Channel Slope	0.01500	ft/ft
Critical Slope	0.02962	ft/ft

Cross Section for I03-A

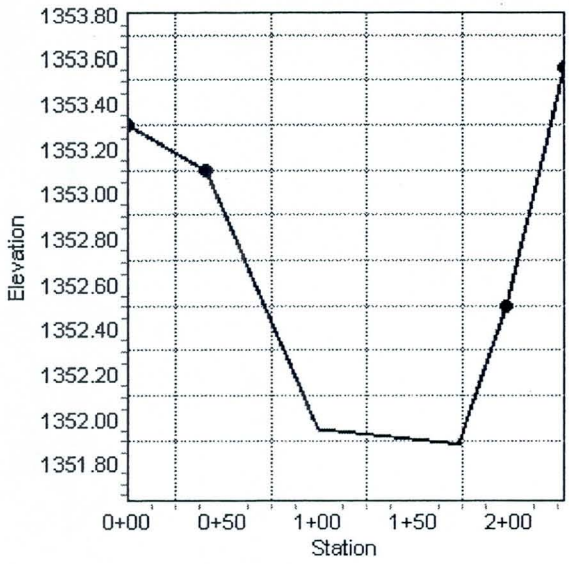
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01500	ft/ft
Normal Depth	2.12	ft
Discharge	1780.09	ft³/s

Cross Section Image



Worksheet for I03

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01800	ft/ft
Normal Depth	1.30	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1353.30
0+14	1353.40
0+26	1352.90
1+48	1352.20
1+58	1352.30
1+79	1352.40
1+97	1352.70
2+40	1353.40
2+51	1353.50

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1353.30)	(0+26, 1352.90)	0.050
(0+26, 1352.90)	(1+97, 1352.70)	0.045
(1+97, 1352.70)	(2+51, 1353.50)	0.050

Results

Discharge	708.84	ft^3/s
Elevation Range	1352.20 to 1353.50 ft	
Flow Area	195.85	ft^2
Wetted Perimeter	251.22	ft
Top Width	251.00	ft
Normal Depth	1.30	ft
Critical Depth	1.11	ft

Worksheet for I03

Results

Critical Slope		0.03599	ft/ft
Velocity		3.62	ft/s
Velocity Head		0.20	ft
Specific Energy		1.50	ft
Froude Number		0.72	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	1.30	ft
Critical Depth	1.11	ft
Channel Slope	0.01800	ft/ft
Critical Slope	0.03599	ft/ft

Cross Section for I03

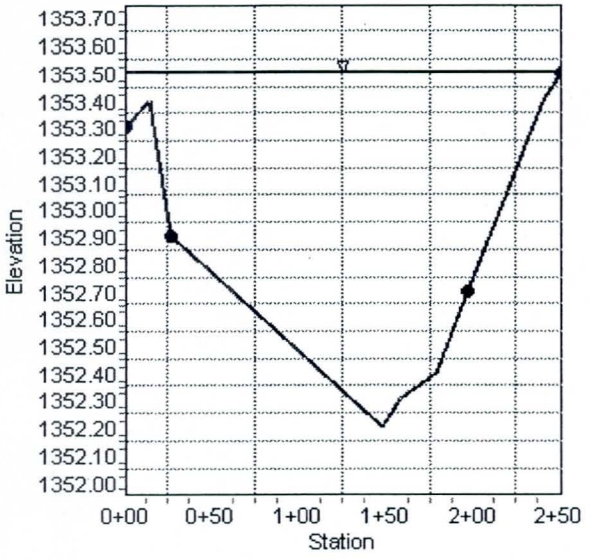
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01800	ft/ft
Normal Depth	1.30	ft
Discharge	708.84	ft³/s

Cross Section Image



Worksheet for J04

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01600	ft/ft
Normal Depth	5.00	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1227.00
1+64	1224.00
1+77	1224.00
1+97	1223.00
1+98	1223.00
2+00	1223.00
2+02	1223.00
2+52	1224.00
2+96	1224.00
3+02	1224.00
4+12	1225.00
4+26	1225.50

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1227.00)	(1+64, 1224.00)	0.050
(1+64, 1224.00)	(2+52, 1224.00)	0.045
(2+52, 1224.00)	(4+26, 1225.50)	0.050

Results

Discharge	12160.78	ft^3/s
Elevation Range	1223.00 to 1227.00 ft	
Flow Area	1425.50	ft^2
Wetted Perimeter	429.58	ft

Worksheet for J04

Results

Top Width		426.00	ft
Normal Depth		5.00	ft
Critical Depth		4.59	ft
Critical Slope		0.02466	ft/ft
Velocity		8.53	ft/s
Velocity Head		1.13	ft
Specific Energy		6.13	ft
Froude Number		0.82	
Flow Type	Subcritical		

GVF Input Data

Downstream Depth		0.00	ft
Length		0.00	ft
Number Of Steps		0	

GVF Output Data

Upstream Depth		0.00	ft
Profile Description			
Profile Headloss		0.00	ft
Downstream Velocity		Infinity	ft/s
Upstream Velocity		Infinity	ft/s
Normal Depth		5.00	ft
Critical Depth		4.59	ft
Channel Slope		0.01600	ft/ft
Critical Slope		0.02466	ft/ft

Cross Section for J04

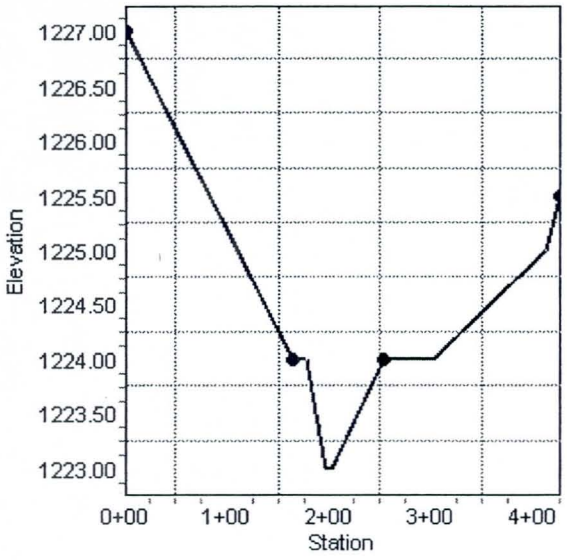
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.01600	ft/ft
Normal Depth	5.00	ft
Discharge	12160.78	ft^3/s

Cross Section Image



Worksheet for J04-A

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.02000	ft/ft
Normal Depth	4.40	ft

Section Definitions

Station (ft)	Elevation (ft)
0+00	1225.20
0+24	1224.70
0+62	1224.00
0+97	1223.60
1+50	1224.00
1+69	1224.20
1+69	1224.20
1+78	1224.20
1+82	1224.20
3+05	1225.50

Roughness Segment Definitions

Start Station	Ending Station	Roughness Coefficient
(0+00, 1225.20)	(0+62, 1224.00)	0.050
(0+62, 1224.00)	(1+50, 1224.00)	0.045
(1+50, 1224.00)	(3+05, 1225.50)	0.050

Results

Discharge	10923.46	ft^3/s
Elevation Range	1223.60 to 1225.50 ft	
Flow Area	1092.45	ft^2
Wetted Perimeter	310.32	ft
Top Width	305.00	ft
Normal Depth	4.40	ft

Worksheet for J04-A

Results

Critical Depth	4.23	ft
Critical Slope	0.02339	ft/ft
Velocity	10.00	ft/s
Velocity Head	1.55	ft
Specific Energy	5.95	ft
Froude Number	0.93	
Flow Type	Subcritical	

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	4.40	ft
Critical Depth	4.23	ft
Channel Slope	0.02000	ft/ft
Critical Slope	0.02339	ft/ft

Cross Section for J04-A

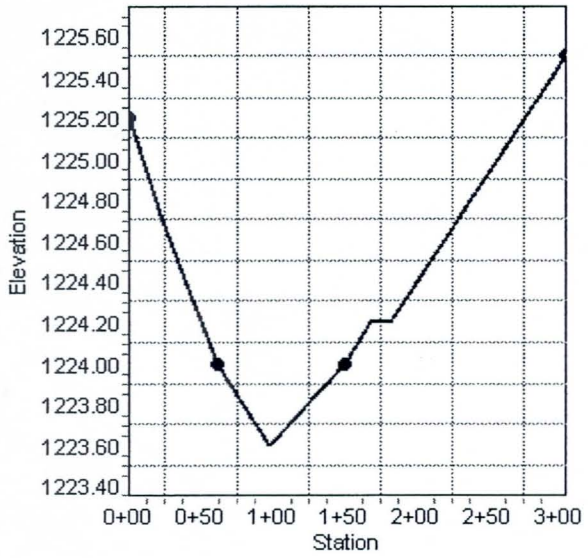
Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Channel Slope	0.02000	ft/ft
Normal Depth	4.40	ft
Discharge	10923.46	ft^3/s

Cross Section Image



RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from A01-A	Remainder flow from A01 to A03 A01	Total Q
A01	1261	0	0	0
	1261.5	24	24	47
	1262	77	77	155
	1262.5	158	158	315
	1263	264	264	528
	1263.5	276	279	555
	1264	469	466	935
	1264.5	819	844	1662
	1265	1352	1353	2704
	1265.5	2323	2247	4570
	1266	3432	3303	6736
	1266.5	5022	4821	9843
	1267	6456	6183	12639

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from A03-A	Remainder flow from A03	Total Q
A03	1239	0	0	0
	1239.5	0	0	0
	1240	0	0	0
	1240.5	27.58	87.32	114.9
	1241	304.55	487.33	791.88
	1241.5	804.24	1146.83	1951.07
	1242	1475.85	2009.25	3485.1
	1242.5	2296.52	3049.94	5346.46
	1243	3251.13	4252.1	7503.23
	1243.5	4328.52	5603.17	9931.69
	1244	5519.89	7093.13	12613.02
	1244.5	6818	8713.74	15531.74
	1245	8216.75	10458	18674.75

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from A04 to A07	Remainder flow from A04 to A06	Total Q
		A04-A	A04	
A04	1342	0	0	0
	1342.5	26	38	64
	1343	92	129	221
	1343.5	182	222	404
	1344	464	543	1007
	1344.5	1100	1283	2383
	1345	2052	2351	4403
	1345.5	3071	3478	6549
	1346	4252	4782	9034
	1346.5	5582	6249	11831
	1347	7051	7867	14918

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from A07 to A21	Remainder flow from A07 to A22	Total Q
		a07-A	a07	
a07	1239	0	0	0
	1239.5	0	0	0
	1240	0	0	0
	1240.5	28	87	114.9
	1241	305	487	791.88
	1241.5	804	1147	1951.07
	1242	1476	2009	3485.1
	1242.5	2297	3050	5346.46
	1243	3251	4252	7503.23
	1243.5	4329	5603	9931.69
	1244	5520	7093	12613.02
	1244.5	6818	8714	15531.74
	1245	8217	10458	18674.75

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from A09 to A18 A09*-A	Remainder flow from A09 to A08 A09*	Total Q
A09*	1192	0	0	0
	1192.5	7	42	49
	1193	30	158	188
	1193.5	69	309	378
	1194	176	774	950
	1194.5	405	1727	2131
	1195	701	2995	3696
	1195.5	1056	4525	5581
	1196	1464	6293	7757

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from A10 to A34	Remainder flow from A10 to A17	Total Q
		A10*-A	A10*	
A10*	1106			0
	1106.5	9	7	16
	1107	42	32	74
	1107.5	100	74	175
	1108	243	202	444
	1108.5	542	483	1025
	1109	927	852	1779
	1109.5	1387	1297	2684
	1110	1915	1810	3725
	1110.5	2504	2385	4890
	1111	3151	3018	6170
	1111.5	3852	3705	7557
	1112	4603	4442	9045

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	flow from A18 to A33	flow from A18 to A19	Total Q
		A18	A18-A	
A18	1095.5	0	0	0
	1096	0	0	0
	1096.5	6	0	6
	1097	35	0	35
	1097.5	106	0	106
	1098	215	34	249
	1098.5	304	227	531
	1099	519	667	1186
	1099.5	975	1273	2248
	1100	1537	2023	3560
	1100.5	2194	2902	5095
	1101	2938	3898	6836
	1101.5	3764	5003	8767
	1102	4667	6211	10878
	1102.5	5641	7515	13157
	1103	6685	8911	15597
	1103.5	7795	10395	18190
	1104	8968	11961	20929
	1104.5	10201	13608	23808
	1105	11492	15331	26823

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from A20 to A51	Remainder flow from A20 to A32	Total Q
		A20-A	A20	
A20	1081			0
	1081.5	2	37	39
	1082	27	273	300
	1082.5	142	659	800
	1083	358	1165	1523
	1083.5	643	1778	2421
	1084	988	2485	3473
	1084.5	1385	3280	4666
	1085	1830	4156	5986
	1085.5	2318	5108	7426
	1086	2845	6132	8977
	1086.5	3410	7223	10633
	1087	4009	8378	12387
	1087.5	4640	9595	14235
	1088	5301	10871	16173
	1088.5	5992	12203	18195
	1089	6709	13589	20298
	1089.5	7451	15027	22478
	1090	8218	16515	

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from A21 to A20	Remainder flow from A21 to A32	Total Q
		A21*-A	A21*	
A21*	1125	0	0	0
	1125.5	28	22	50
	1126	115	89	203
	1126.5	252	198	450
	1127	763	610	1373
	1127.5	1880	1515	3396
	1128	3391	2741	6132
	1128.5	5235	4237	9472
	1129	7381	5978	13359

Upstream Basin	Water Surface Elevation	Diverted flow from A64 to A10	Remainder flow from A64 to A18	Total Q
		A64-A	A64	
A64	1162	0	0	0
	1162.5	0	0	0
	1163	13	0	13
	1163.5	148	3	151
	1164	498	111	609
	1164.5	1261	403	1664
	1165	2279	825	3103
	1165.5	3520	1356	4876
	1166	4965	1985	6949
	1166.5	6597	2703	9300
	1167	8405	3504	11910
	1167.5	10380	4384	14763
	1168	12512	5336	17848
	1168.5	14795	6358	21153
	1169	17222	7447	24669
	1169.5	19789	8599	28388
	1170	22489	9812	32301

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from A11 to A15	Remainder flow from A11 to A14	Total Q
		A11*-A	A11*	
A11*	1143			0
	1143.5	7	7	14
	1144	31	31	62
	1144.5	79	79	159
	1145	272	272	545
	1145.5	779	779	1557
	1146	1391	1391	2782
	1146.5	2143	2143	4286
	1147	3020	3020	6039

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from A08 to A21	Remainder flow from A08 to A19	Total Q
		A08-A	A08	
A08	1159.5	0	0	0
	1160	0	0	0
	1160.5	196	78	273
	1161	705	416	1121
	1161.5	1448	986	2433
	1162	2386	1733	4119
	1162.5	3499	2638	6137
	1163	4772	3685	8456
	1163.5	6194	4864	11057
	1164	7756	6165	13921
	1164.5	9450	7584	17034
	1165	11271	9113	20384
	1165.5	13213	10747	23960
	1166	15270	12482	27752
	1166.5	17438	14315	31753
	1167	19714	16240	35955
	1167.5	22094	18256	40351
	1168	24574	20360	44934
	1168.5	27152	22548	49700
	1169	29824	24818	54642
	1169.5	32589	27167	59756
	1170	35442	29594	65037

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from B03 to B18 B03*-A	Remainder flow from B03 to B16 B03*	Remainder flow from B03 to B13 B03*-B	Total Q
B03*	1234	0	0	0	0
	1234.5	0	0	9	9
	1235	0	0	31	31
	1235.5	0	18	84	102
	1236	0	65	180	245
	1236.5	0	142	340	482
	1237	0	253	577	830
	1237.5	10	404	895	1309
	1238	36	596	1301	1933
	1238.5	82	682	1804	2568
	1239	151	926	2410	3487
	1239.5	181	1310	1887	3378
	1240	367	1845	3030	5242
	1240.5	815	2893	5840	9548
	1241	1356	3942	9457	14755
	1241.5	2128	5120	13656	20904
	1242	2873	6420	18004	27297

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from B17 to B18	Remainder flow from B17 to B16	Total Q
		B17-A	B17	
B17	1206.5			0
	1207			0
	1207.5	4	3	8
	1208	62	52	114
	1208.5	245	231	476
	1209	558	564	1123
	1209.5	964	1003	1968
	1210	1452	1535	2986
	1210.5	2011	2149	4161
	1211	2638	2841	5479
	1211.5	3327	3603	6930
	1212	4073	4433	8506

Upstream Basin	Water Surface Elevation	Diverted flow from B23 to B36	Remainder flow from B23 to B24	Total Q
		B23-A	B23	
B23	1168			0
	1168.5		81	81
	1169	19	337	357
	1169.5	240	727	966
	1170	641	1224	1865
	1170.5	1183	1815	2998
	1171	1846	2492	4338
	1171.5	2618	3247	5865
	1172	3491	4074	7565
	1172.5	4457	4970	9427
	1173	5510	5930	11440
	1173.5	6646	6950	13595
	1174	7860	8027	15887
	1174.5	9148	9159	18308
	1175	10508	10344	20852

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from B26 to B65	Remainder flow from B26 to B33	Total Q
		B26-A	B26	
B26	1116.5	0	0	0
	1117	0	0	0
	1117.5	0	3	3
	1118	0	13	14
	1118.5	114	92	206
	1119	353	251	604
	1119.5	686	467	1152
	1120	1099	730	1830
	1120.5	1585	1036	2621
	1121	2136	1381	3518
	1121.5	2749	1762	4511
	1122	3418	2176	5594
	1122.5	4141	2622	6762
	1123	4914	3096	8010
	1123.5	5736	3598	9334
	1124	6603	4127	10730
	1124.5	7515	4680	12194
	1125	8468	5257	13725

Upstream Basin	Water Surface Elevation	Diverted flow from B30 to B29	Remainder flow from B30 to B57	Total Q
		B30-A	B30	
B30	1148			0
	1148.5			0
	1149	2		2
	1149.5	44		44
	1150	165	2	167
	1150.5	450	153	603
	1151	961	466	1427
	1151.5	1612	901	2512
	1152	2386	1439	3826
	1152.5	3274	2071	5344
	1153	4265	2787	7052
	1153.5	5353	3581	8934
	1154	6532	4449	10981
	1154.5	7798	5385	13183
	1155	9145	6386	15531
	1155.5	10571	7449	18020
	1156	12071	8570	20641

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from C03 to C09	Remainder flow from C03 to C06	
		C03-A	C03	Total Q
C03	1673.00	0	0	0
	1673.50	19	25	43
	1674.00	78	98	176
	1674.50	172	201	373
	1675.00	469	545	1014
	1675.50	1150	1265	2415
	1676.00	2125	2332	4457
	1676.50	3187	3481	6668
	1677.00	4419	4810	9229

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from C06 to C18	Remainder flow from C06 to C16	Total Q
		C06-A	C06	
C06	1562.00	0	0	0
	1562.50	8	8	16
	1563.00	34	34	68
	1563.50	83	83	166
	1564.00	162	162	324
	1564.50	204	204	408
	1565.00	470	470	940
	1565.50	1106	1106	2212
	1566.00	2050	2050	4100
	1566.50	3010	3010	6020
	1567.00	4120	4120	8240

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from C07 to C19	Remainder flow from C07 to C20	Total Q
		C07-A	C07	
C07	1542.00	0	0	0
	1542.50	65	23	88
	1543.00	231	79	310
	1543.50	521	209	730
	1544.00	966	453	1419
	1544.50	1139	669	1808
	1545.00	2584	2050	4634
	1545.50	5973	5243	11216
	1546.00	10521	9129	19650
	1546.50	15855	13891	29746
	1547.00	21658	19565	41223

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from C09 to C15	Remainder flow from C09 to C16	Total Q
		C09-A	C09	
C09	1572.00	0	0	0
	1572.50	16	15	31
	1573.00	59	52	111
	1573.50	134	115	249
	1574.00	246	205	451
	1574.50	292	227	519
	1575.00	615	540	1155
	1575.50	1396	1299	2695
	1576.00	2352	2444	4796
	1576.50	3709	3606	7315
	1577.00	5032	4952	9984

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from C11 to C31	Remainder flow from C11 to C14	Total Q
		C11-A	C11	
C11	1553.00	0	0	0
	1553.50	14	9	22
	1554.00	54	38	92
	1554.50	115	96	211
	1555.00	337	330	667
	1555.50	857	943	1800
	1556.00	1607	1686	3293
	1556.50	2434	2597	5031
	1557.00	3395	3659	7054

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from C12 to C31	Remainder flow from C12 to C13	Total Q
		C12-A	C12	
C12	1558.00	0	0	0
	1558.50	20	20	40
	1559.00	72	72	144
	1559.50	141	150	291
	1560.00	398	391	789
	1560.50	999	941	1940
	1561.00	1867	1739	3606
	1561.50	2816	2610	5426
	1562.00	3918	3620	7538

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from C15 to C10 C15-A	Remainder flow from C15 to C30 C15	Total Q
C15	1531.00	0	0	0
	1531.50	0	22	22
	1532.00	0	83	83
	1532.50	11	191	202
	1533.00	54	355	409
	1533.50	134	456	590
	1534.00	418	852	1270
	1534.50	1156	1738	2894
	1535.00	2025	3056	5081
	1535.50	3086	4514	7600
	1536.00	4320	6046	10366

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from C17 to C30	Remainder flow from C17 to C29	
		C17-A	C17	Total Q
C17	1512.00	0	0	0
	1512.50	0	23	23
	1513.00	0	83	83
	1513.50	8	181	189
	1514.00	36	324	360
	1514.50	91	369	460
	1515.00	311	727	1038
	1515.50	889	1601	2490
	1516.00	1589	2650	4239
	1516.50	2447	4163	6610
	1517.00	3448	5608	9056

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from C18 to C17	Remainder flow from C18 to C19	Total Q
		C18-A	C18	
C18	1532.00	0	0	0
	1532.50	19	0	19
	1533.00	69	0	69
	1533.50	151	18	169
	1534.00	269	79	348
	1534.50	297	205	502
	1535.00	707	641	1348
	1535.50	1702	1775	3477
	1536.00	3207	3142	6349
	1536.50	4735	4817	9552
	1537.00	6507	6772	13279

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from C19 to C29	Remainder flow from C19 to C27	Total Q
		C19-A	C19	
C19	1507.00	0	0	0
	1507.50	12	24	36
	1508.00	42	84	126
	1508.50	126	211	337
	1509.00	319	432	751
	1509.50	560	595	1155
	1510.00	1636	1357	2993
	1510.50	4145	3021	7166
	1511.00	7320	5467	12787
	1511.50	11053	8238	19291
	1512.00	15403	11270	26673

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from C21 to C20	Remainder flow from C21 to C22	Total Q
		C21-A	C21	
C21	1493.00	0	0	0
	1493.50	0	17	17
	1494.00	0	59	59
	1494.50	12	129	141
	1495.00	49	231	280
	1495.50	105	260	365
	1496.00	327	531	858
	1496.50	917	1191	2108
	1497.00	1608	1992	3600
	1497.50	2453	3142	5595
	1498.00	3436	4249	7685

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from C39 to C43	Remainder flow from C39 to C38	Total Q
		C39-A	C39	
C39	1353.00	0	0	0
	1353.50	23	16	39
	1354.00	95	67	162
	1354.50	211	153	364
	1355.00	621	471	1092
	1355.50	1707	1308	3015
	1356.00	2960	2286	5246
	1356.50	4489	3482	7971
	1357.00	6270	4874	11144

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from C40 to C42	Remainder flow from C40 to C43	Total Q
		C40-A	C40	
C40	1322.00	0	0	0
	1322.50	14	0	14
	1323.00	51	0	51
	1323.50	116	11	127
	1324.00	213	51	264
	1324.50	249	127	376
	1325.00	629	396	1025
	1325.50	1519	1097	2616
	1326.00	2868	1920	4788
	1326.50	4263	2926	7189
	1327.00	5883	4097	9980

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from C41 to C42	Remainder flow from C41 to C46	Total Q
		C41-A	C41	
C41	1325.00	0	0	0
	1325.50	17	8	25
	1326.00	74	37	111
	1326.50	185	106	291
	1327.00	503	385	888
	1327.50	1214	1111	2325
	1328.00	2262	2018	4280
	1328.50	3412	3136	6548
	1329.00	4748	4444	9192

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow to C46	Remainder flow to C45	Diverted flow to C47	Total Q
		C42-B	C42-A	C42-B	
C42	1287.00	0	0	0	0
	1287.50	12	14	12	38
	1288.00	43	53	43	139
	1288.50	94	125	94	313
	1289.00	167	235	167	569
	1289.50	186	289	187	662
	1290.00	433	597	423	1453
	1290.50	978	1335	934	3247
	1291.00	1670	2232	1615	5517
	1291.50	2642	3504	2542	8688
	1292.00	3605	4743	3461	11809

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from C43 to C44	Remainder flow from C43 to C38	Total Q
		C43-A	C43	
C43	1291.00	0	0	0
	1291.50	14	7	21
	1292.00	53	30	83
	1292.50	125	73	198
	1293.00	235	140	375
	1293.50	390	236	626
	1294.00	596	364	960
	1294.50	575	338	913
	1295.00	1013	727	1740
	1295.50	2142	1693	3835
	1296.00	3451	2894	6345
	1296.50	5006	4640	9646
	1297.00	7218	6314	13532

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from C45 to C44	Remainder flow from C45 to C47	
		C45-A	C45	Total Q
C45	1252.00	0	0	0
	1252.50	11	12	23
	1253.00	42	47	89
	1253.50	97	110	207
	1254.00	178	208	386
	1254.50	213	259	472
	1255.00	431	548	979
	1255.50	958	1140	2098
	1256.00	1594	1879	3473
	1256.50	2501	2926	5427
	1257.00	3377	3943	7320

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from C46 to C37	Remainder flow from C46 to C47	Total Q
		C46-A	C46	
C46	1232			0
	1232.5	2		2
	1233	40	46	86
	1233.5	242	238	480
	1234	693	644	1337
	1234.5	1515	1309	2824
	1235	2765	2212	4976
	1235.5	4294	3290	7584
	1236	6076	4530	10606
	1236.5	8093	5920	14012
	1237	10329	7449	17778
	1237.5	12772	9112	21884
	1238	15412	10901	26313
	1238.5	18241	12810	31051
	1239	21250	14836	36086
	1239.5	24433	16972	41406
	1240	27784	19217	47001

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from D01 to D05	Remainder flow from D01 to D09	Total Q
		D01-A	D01	
D01	1520.00	0	0	0
	1520.50	24	0	24
	1521.00	83	0	83
	1521.50	175	14	190
	1522.00	305	55	360
	1522.50	474	130	603
	1523.00	686	244	930
	1523.50	627	301	928
	1524.00	979	620	1599
	1524.50	1632	1211	2843
	1525.00	2629	2132	4760
	1525.50	4475	3779	8253
	1526.00	6558	6092	12650
	1526.50	9668	8345	18013
	1527.00	12351	10887	23238

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from D02 to D03	Remainder flow from D02 to D01	Total Q
		D02-A	D02	
D02	1690.00	0	0	0
	1690.50	32	0	32
	1691.00	113	0	113
	1691.50	246	20	266
	1692.00	440	83	523
	1692.50	569	183	752
	1693.00	905	425	1330
	1693.50	1450	847	2297
	1694.00	2233	1490	3723
	1694.50	3672	2820	6492
	1695.00	5230	4139	9369
	1695.50	7002	5665	12667
	1696.00	9481	7380	16861

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from D03 to D04 D03-A	Remainder flow from D03 to D01 D03	Total Q
D03	1661.00	0	0	0
	1661.50	31	44	75
	1662.00	106	145	252
	1662.50	227	327	555
	1663.00	397	608	1005
	1663.50	485	733	1218
	1664.00	782	1309	2090
	1664.50	1277	2622	3899
	1665.00	2057	4116	6173
	1665.50	3596	6233	9828
	1666.00	5469	8692	14161
	1666.50	8217	12051	20268
	1667.00	10679	15132	25811

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from D04 to D05	Remainder flow from D04 to D01	Total Q
		D04-A	D04	
D04	1601.00	0	0	0
	1601.50	20	14	34
	1602.00	71	52	123
	1602.50	154	119	273
	1603.00	276	220	496
	1603.50	321	279	600
	1604.00	598	493	1091
	1604.50	1097	864	1961
	1605.00	1864	1421	3285
	1605.50	3244	2424	5668
	1606.00	5216	3561	8777
	1606.50	7062	5161	12223
	1607.00	9138	6626	15764

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from D05 to D13	Remainder flow from D05 to D11	Total Q
		D05-A	D05	
D05	1460.00	0	0	0
	1460.50	60	0	60
	1461.00	198	4	202
	1461.50	413	12	425
	1462.00	712	26	738
	1462.50	1101	45	1146
	1463.00	1586	70	1656
	1463.50	1588	71	1659
	1464.00	2288	132	2420
	1464.50	3838	248	4086
	1465.00	5451	426	5877
	1465.50	9243	740	9983
	1466.00	13248	1178	14426

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from D06 to D10	Remainder flow from D06 to D08	Total Q
		D06-A	D06	
D06	1530.00	0	0	0
	1530.50	11	23	34
	1531.00	44	89	133
	1531.50	92	184	276
	1532.00	239	418	658
	1532.50	515	826	1341
	1533.00	951	1445	2396
	1533.50	1831	2534	4365
	1534.00	2750	4013	6763
	1534.50	3818	5489	9307
	1535.00	5025	7149	12174

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from D07 to D17	Remainder flow from D07 to D15	Total Q
		D07-A	D07	
D07	1450.00	0	0	0
	1450.50	15	0	15
	1451.00	53	0	53
	1451.50	120	6	127
	1452.00	220	29	249
	1452.50	289	66	354
	1453.00	474	178	652
	1453.50	779	378	1157
	1454.00	1252	758	2011
	1454.50	2178	1608	3786
	1455.00	3304	2546	5850
	1455.50	4945	3656	8601
	1456.00	6424	4924	11348

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Remainder flow from E09 to E10	Diverted flow from E09 to E13	Total Q
		E09-A	E09	
E09	1547.00	0	0	0
	1547.50	14	8	22
	1548.00	53	37	90
	1548.50	112	85	197
	1549.00	232	190	422
	1549.50	407	349	756
	1550.00	748	673	1421
	1550.50	1444	1336	2780
	1551.00	2477	2304	4781
	1551.50	3503	3291	6794
	1552.00	4671	4419	9090

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Remainder flow from E10 to E05	Diverted flow from E10 to E13	Total Q
		E10-A	E10	
E10	1522.00	0	0	0
	1522.50	8	25	33
	1523.00	37	95	132
	1523.50	85	199	283
	1524.00	230	453	683
	1524.50	488	917	1405
	1525.00	979	1597	2576
	1525.50	2076	2901	4977
	1526.00	3287	4193	7479
	1526.50	4720	5679	10398
	1527.00	6357	7344	13701

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from E11 TO E05	Remainder flow from E11 to E12	Total Q
		E11-A	E11	
E11	1491.00	0	0	0
	1491.50	21	10	32
	1492.00	88	42	130
	1492.50	215	111	326
	1493.00	415	233	648
	1493.50	592	330	922
	1494.00	983	659	1642
	1494.50	1604	1302	2906
	1495.00	2492	2172	4664
	1495.50	4109	3568	7677
	1496.00	5871	5349	11220
	1496.50	8387	7089	15476
	1497.00	10637	9030	19667

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from E13 TO E24	Remainder flow from E13 TO E23	
		E13-A	E13	Total Q
E13	1421			0
	1421.5		7	7
	1422	1	94	94
	1422.5	89	470	560
	1423	391	1050	1442
	1423.5	939	1800	2739
	1424	1661	2700	4362
	1424.5	2536	3739	6275
	1425	3550	4906	8456
				0
				0

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from E16 TO E20	Remainder flow from E16 to E19	Total Q
		E16-A	E16	
E16	1450.00	0	0	0
	1450.50	0	31	31
	1451.00	0	104	104
	1451.50	16	221	236
	1452.00	56	383	439
	1452.50	123	596	719
	1453.00	219	863	1082
	1453.50	271	1086	1357
	1454.00	473	1408	1881
	1454.50	767	1603	2370
	1455.00	1230	2086	3316
	1455.50	2035	3387	5422
	1456.00	2975	4621	7597
	1456.50	4371	6014	10385
	1457.00	5576	7554	13130

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from E21 to E20	Remainder flow from E21 to E22	Total Q
		E21*-A	E21*	
E21*	1427			0
	1427.5	10		10
	1428	41		41
	1428.5	84	6	91
	1429	188	28	216
	1429.5	335	109	444
	1430	666	359	1025
	1430.5	1345	887	2232
	1431	2198	1587	3785
	1431.5	3209	2438	5647
	1432	4363	3426	7789

Upstream Basin	Water Surface Elevation	Diverted flow from E28 to E20	Remainder flow from E28 to E29	Total Q
		E28-A	E28	
E28	1398			0
	1398.5		0	0
	1399	155	101	257
	1399.5	585	453	1038
	1400	1211	983	2194
	1400.5	2004	1662	3666
	1401	2947	2475	5421
	1401.5	4026	3409	7434
	1402	5232	4456	9688
	1402.5	6558	5609	12167
	1403	7998	6862	14860
	1403.5	9546	8211	17756
	1404	11197	9651	20847
	1404.5	12947	11178	24125
	1405	14793	12790	27583

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from E19 to E30	Remainder flow from E19 to E29	Total Q
		E19*-A	E19*	
E19*	1421			0
	1421.5	26		26
	1422	89		89
	1422.5	188	10	198
	1423	327	39	366
	1423.5	508	92	600
	1424	735	174	910
	1424.5	817	354	1172
	1425	1514	850	2364
	1425.5	2471	1571	4042
	1426	3603	2457	6060
	1426.5	4897	3491	8388
	1427	6342	4661	11003

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from E35*-A	Remainder flow from E35*	Total Q
E35*				0
		10	10	20
		25	25	50
		50	50	100
		100	100	200
		200	200	400
		400	400	800
		800	800	1600
		1600	1600	3200
		3200	3200	6400
				0
				0
				0

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from F02 to F05	Remainder flow from F02 to F04	Total Q
		F02-A	F02	
F02	1687.00	0	0	0
	1687.50	7	8	15
	1688.00	31	40	71
	1688.50	72	99	171
	1689.00	161	211	372
	1689.50	296	372	668
	1690.00	570	675	1245
	1690.50	1132	1285	2417
	1691.00	1952	2190	4142
	1691.50	2789	3085	5874
	1692.00	3745	4106	7851

Upstream Basin	Water Surface Elevation	Diverted flow from F18 to F22	Remainder flow from F18 to F21	Total Q
		F18-A	F18	
F18	1367			0
	1367.5	29	14	43
	1368	121	53	174
	1368.5	261	115	376
	1369	693	360	1053
	1369.5	1571	866	2437
	1370	2801	1628	4429
	1370.5	4655	2872	7527
	1371	6864	4381	11245
	1371.5	9401	6130	15531
	1372	12244	8104	20348

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from F19 to F21	Remainder flow from F19 to F20	Total Q
		F19-A	F19	
F19	1338			0
	1338.5	5	5	10
	1339	18	21	39
	1339.5	306	313	619
	1340	958	971	1929
	1340.5	1969	1991	3960
	1341	3248	3281	6529
	1341.5	4769	4814	9583
	1342	6512	6570	13081

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from F13 to F15	Remainder flow from F13 to F12	Total Q
		F13-A	F13	
F13	1433.00	0	0	0
	1433.50	6	17	23
	1434.00	28	68	96
	1434.50	213	158	371
	1435.00	643	447	1090
	1435.50	1265	1147	2412
	1436.00	2047	2078	4125
	1436.50	2971	3148	6119
	1437.00	4025	4392	8417

Upstream Basin	Water Surface Elevation	Diverted flow from F22 to F28	Remainder flow from F22 to F29	Total Q
		F22-A	F22	
F22	1333			0
	1333.5	26	35	61
	1334	100	138	238
	1334.5	216	402	618
	1335	711	1099	1809
	1335.5	1800	2367	4167
	1336	3419	4039	7458
	1336.5	5426	6046	11472
	1337	7783	8361	16144

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from F11 to F17	Remainder flow from F11 to F16	Total Q
		F11-A	F11	
F11	1383			0
	1383.5	13	30	43
	1384	59	123	182
	1384.5	288	457	744
	1385	785	1212	1996
	1385.5	1525	2395	3920
	1386	2446	3897	6343
	1386.5	3530	5673	9203
	1387	4764	7704	12467
				0
				0

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from F16 to F24	Remainder flow from F16 to F25	Total Q
		F16-A	F16	
F16	1368			0
	1368.5	10	12	21
	1369	38	53	90
	1369.5	85	134	219
	1370	287	459	746
	1370.5	764	1224	1987
	1371	1406	2258	3664
	1371.5	2193	3529	5722
	1372	3112	5013	8125
				0
				0

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from F28-A	Remainder flow from F28	Total Q
F28		0	0	0
		25	25	50
		50	50	100
		150	150	300
		300	300	600
		600	600	1200
		1500	1500	3000
				0
				0
				0
				0

Upstream Basin	Water Surface Elevation	Diverted flow from G06 TO G07	Remainder flow from G06 TO G45	
		G06-A	G06	Total Q
G06	1535	0	0	0
	1535.5	0	0	0
	1536	0	0	0
	1536.5	287	300	588
	1537	931	943	1874
	1537.5	1924	1953	3877
	1538	3197	3306	6503
	1538.5	4731	4980	9711
	1539	6516	6976	13493
	1539.5	8553	9664	18216
	1540	10856	12685	23541
	1540.5	13398	16022	29420
	1541	16245	19659	35904
	1541.5	19607	23581	43188
	1542	23211	27778	50989

Upstream Basin	Water Surface Elevation	Diverted flow from G08 to G45	Remainder flow from G08 to G09	Total Q
		G08-A	G08	
G08	1381.5	0	0	0
	1382	0	0	0
	1382.5	141	0	141
	1383	507	37	543
	1383.5	1055	217	1272
	1384	1750	582	2332
	1384.5	2575	1202	3777
	1385	3518	1987	5505
	1385.5	4571	2918	7489
	1386	5727	3982	9708
	1386.5	6979	5170	12149
	1387	8323	6475	14797
	1387.5	9754	7889	17642
	1388	11268	9407	20675
	1388.5	12862	11024	23886
	1389	14533	12737	27270
	1389.5	16277	14541	30818
	1390	18093	16432	34525

Upstream Basin	Water Surface Elevation	Diverted flow from G31 to G47	Remainder flow from G31 to G43	Total Q
		G31-A	G31	
G31	1340			0
	1340.5	87	14	101
	1341	576	269	845
	1341.5	1434	910	2344
	1342	2574	1822	4396
	1342.5	3962	2967	6929
	1343	5575	4320	9895
	1343.5	7396	5865	13260
	1344	9412	7587	16999
	1344.5	11612	9477	21089
	1345	13987	11526	25513
	1345.5	16529	13726	30255
	1346	19232	16070	35302
	1346.5	22089	18553	40642
	1347	25095	21169	46263
	1347.5	28244	23913	52157
	1348	31533	26782	58315

Upstream Basin	Water Surface Elevation	Diverted flow from G11 to G40	Remainder flow from G11 to G42	Total Q
		G11-A	G11	
G11	1230	0		0
	1230.5	0	0	0
	1231	0	0	0
	1231.5	2	0	2
	1232	12	5	17
	1232.5	225	187	413
	1233	740	604	1344
	1233.5	1587	1316	2903
	1234	2890	2289	5179
	1234.5	4484	3790	8274
	1235	6343	5574	11917
	1235.5	8447	7620	16067
	1236	10782	9910	20691
	1236.5	13334	12429	25763
	1237	16095	15167	31261
	1237.5	19054	18113	37166
	1238	22204	21258	43463
	1238.5	25539	24596	50136
	1239	29052	28120	57172
	1239.5	32738	31824	64562
	1240	36592	35701	72293

Upstream Basin	Water Surface Elevation	Diverted flow from G20 to G21 and CPF31	Remainder flow from G20 to CPG22	Total Q
		G20-A	G20	
G20	1357			0
	1357.5			0
	1358		6	6
	1358.5		115	115
	1359	14	560	574
	1359.5	310	1287	1598
	1360	959	2233	3192
	1360.5	1865	3373	5238
	1361	2992	4688	7681
	1361.5	4319	6167	10486
	1362	5829	7798	13627
	1362.5	7510.32	9572.62	17083
	1363	9351.9	11484.32	20836
	1363.5	11345.74	13526.45	24872
	1364	13484.64	15693.46	29178
	1364.5	15762.28	17980.44	33743
	1365	18173.1	20382.95	38556

Upstream Basin	Water Surface Elevation	Diverted flow from G18 to G27	Remainder flow from G18 to G17	Total Q
		G18-A	G18	
G18	1300	0	0	0
	1300.5	47	142	188
	1301	343	567	910
	1301.5	875	1218	2093
	1302	1638	2049	3687
	1302.5	2772	3042	5813
	1303	4193	4181	8374
	1303.5	5836	5456	11292
	1304	7685	6858	14543
	1304.5	9727	8380	18107
	1305	11952	10017	21969

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from H01 to H24 H01-A	Remainder flow from H01 to H25 H01	Total Q
H01	1395	0	0	0
	1395.5	0	0	0
	1396	0	3	3
	1396.5	33	103	137
	1397	365	448	813
	1397.5	1035	1083	2118
	1398	2044	2118	4162
	1398.5	3418	3457	6875
	1399	5122	5041	10163
	1399.5	7085	6851	13936
	1400	9290	8870	18160

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from H06 INTO H16	Remainder flow from H06 TO CPH13	Total Q
		H06-A	H06	
H06	1381	0	0	0
	1381.5	30	23	53
	1382	108	81	189
	1382.5	236	177	414
	1383	422	316	738
	1383.5	479	351	830
	1384	956	777	1733
	1384.5	1842	1594	3436
	1385	3226	2896	6123
	1385.5	5710	5697	11407
	1386	9236	8479	17715
	1386.5	12629	11721	24350
	1387	16459	15389	31848

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from H07 to H34	Remainder flow from H07 to H36	Total Q
		H07-A	H07	
H07	1265.5	0	0	0
	1266	0	0	0
	1266.5	70	47	117
	1267	353	299	652
	1267.5	922	924	1846
	1268	1869	2033	3902
	1268.5	3082	3461	6543
	1269	4521	5174	9695
	1269.5	6169	7147	13316
	1270	8011	9362	17373

Upstream Basin	Water Surface Elevation	Diverted flow from H11 to H35	Remainder flow from H11 to H38	Total Q
		H11-A	H11	
H11	1314	0	0	0
	1314.5	0	7	7
	1315	0	107	107
	1315.5	0	368	368
	1316	75	795	870
	1316.5	413	1443	1856
	1317	1077	2722	3799
	1317.5	2014	4425	6439
	1318	3355	6724	10079
	1318.5	4977	9386	14363
	1319	6839	12385	19224
	1319.5	8925	15703	24628
	1320	11220	19322	30542

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from H17 to H30	Remainder flow from H17 to H32	Total Q
		H17-A	H17	
H17	1389	0		0
	1389.5	0		0
	1390	29		29
	1390.5	233		233
	1391	722		722
	1391.5	1545		1545
	1392	2690		2690
	1392.5	4308		4308
	1393	6210		6210
	1393.5	8376		8376
	1394	10787		10787
	1394.5	13429		13429
	1395	16291		16291

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from H31 to H32	Remainder flow from H31 to H33	Total Q
		H31-A	H31	
H31	1312	0	0	0
	1312.5	0	0	0
	1313	0	6	6
	1313.5	0	82	82
	1314	1	286	287
	1314.5	159	670	828
	1315	519	1365	1884
	1315.5	1016	2282	3298
	1316	1882	3473	5355
	1316.5	3066	4852	7918
	1317	4647	6406	11053
	1317.5	6587	8123	14710
	1318	8783	9994	18777

Upstream Basin	Water Surface Elevation	Diverted flow from H32 to H50	Remainder flow from H32 to H48	Total Q
		H32-A	H32	
H32	1248	0	0	0
	1248.5	0	56	56
	1249	68	381	449
	1249.5	364	1039	1403
	1250	914	1994	2907
	1250.5	1653	3178	4831
	1251	2553	4570	7123
	1251.5	3600	6153	9753
	1252	4782	7914	12696
	1252.5	6090	9843	15933
	1253	7517	11932	19449
	1253.5	9056	14174	23229
	1254	10702	16561	27263
	1254.5	12451	19088	31539
	1255	14298	21751	36049

Upstream Basin	Water Surface Elevation	Diverted flow from H39 to H41	Remainder flow from H30 to H40	Total Q
		H39-A	H39	
H39	1189	0	0	0
	1189.5	0	0	0
	1190	0	0	0
	1190.5	7	0	7
	1191	43	0	43
	1191.5	128	0	128
	1192	275	6	282
	1192.5	443	138	581
	1193	901	420	1321
	1193.5	1604	965	2569
	1194	2456	1674	4130
	1194.5	3443	2528	5971
	1195	4555	3513	8068
	1195.5	5784	4620	10403
	1196	7121	5840	12962
	1196.5	8563	7168	15731
	1197	10103	8597	18701
	1197.5	11738	10124	21862
	1198	13463	11743	25206

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from H48 to H50	Remainder flow from H48 to H49	Total Q
		H48-A	H48	
H48	1199			0
	1199.5			0
	1200	54	34	87
	1200.5	363	270	633
	1201	1107	957	2063
	1201.5	2343	2039	4382
	1202	3919	3675	7595
	1202.5	5801	5672	11473
	1203	7962	7997	15959
	1203.5	10384	10628	21012
	1204	13053	13545	26598
	1204.5	15956	16734	32690
	1205	19082	20182	39264

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from H59 to H60	Remainder flow from H59 to H61	Total Q
		H59-A	H59	
H59	1232.5	0	0	0
	1233	0	0	0
	1233.5	0	0	0
	1234	41	19	60
	1234.5	402	201	604
	1235	1068	637	1705
	1235.5	1966	1386	3352
	1236	3068	2346	5414
	1236.5	4353	3496	7849
	1237	5809	4818	10627
	1237.5	7423	6301	13724
	1238	9188	7935	17123
	1238.5	11095	9712	20807
	1239	13138	11624	24762
	1239.5	15312	13667	28979
	1240	17611	15835	33445

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from H63 to H66 H63-A	Remainder flow from H63 to H53 H63	Total Q
H63	1223	0	0	0
	1223.5	0	0	0
	1224	0	0	0
	1224.5	248	232	481
	1225	864	796	1660
	1225.5	1836	1471	3307
	1226	3137	2817	5954
	1226.5	4700	4488	9187
	1227	6501	6452	12953
	1227.5	8525	8687	17212
	1228	10759	11176	21935
	1228.5	13191	13905	27097
	1229	15813	16863	32676
	1229.5	18616	20039	38655
	1230	21593	23425	45018

RVADMP
Split Flow Data

Upstream Basin	Water Surface Elevation	Diverted flow from H35 INTO H07	Remainder flow from H35 TO CPH35	Total Q
		H35-A	H35	
H35	1304			0
	1304.5		1	1
	1305		78	78
	1305.5		322	322
	1306	36	924	960
	1306.5	466	1989	2455
	1307	1381	3322	4702
	1307.5	2647	5356	8003
	1308	4219	7757	11976
	1308.5	6067	10497	16564
	1309	8169	13553	21722
	1309.5	10509	16909	27418
	1310	13074	20550	33624

Upstream Basin	Water Surface Elevation	Diverted flow from I03 to I04	Remainder flow from I03 to I05	
		i03-A	i03	Total Q
I03	1351.5	0	0	0
	1352	5	0	5
	1352.5	140	18	158
	1353	450	225	675
	1353.5	924	709	1632
	1354	1780	1613	3393
	1354.5	2851	2787	5638
	1355	4109	4197	8306
	1355.5	5539	5824	11362
	1356	7128	7650	14778
	1356.5	8866	9663	18529

Upstream Basin
J04

Water Surface Elevation	Diverted flow from J04 to J07 J04-A	Remainder flow from J04 to J06 J04	Total Q
1223	0	0	0
1223.5	0	20	20
1224	28	110	138
1224.5	228	356	583
1225	694	911	1604
1225.5	1502	1864	3366
1226	2823	3182	6005
1226.5	4452	4811	9263
1227	6358	6451	12810
1227.5	8521	9301	17822
1228	10923	12161	23084