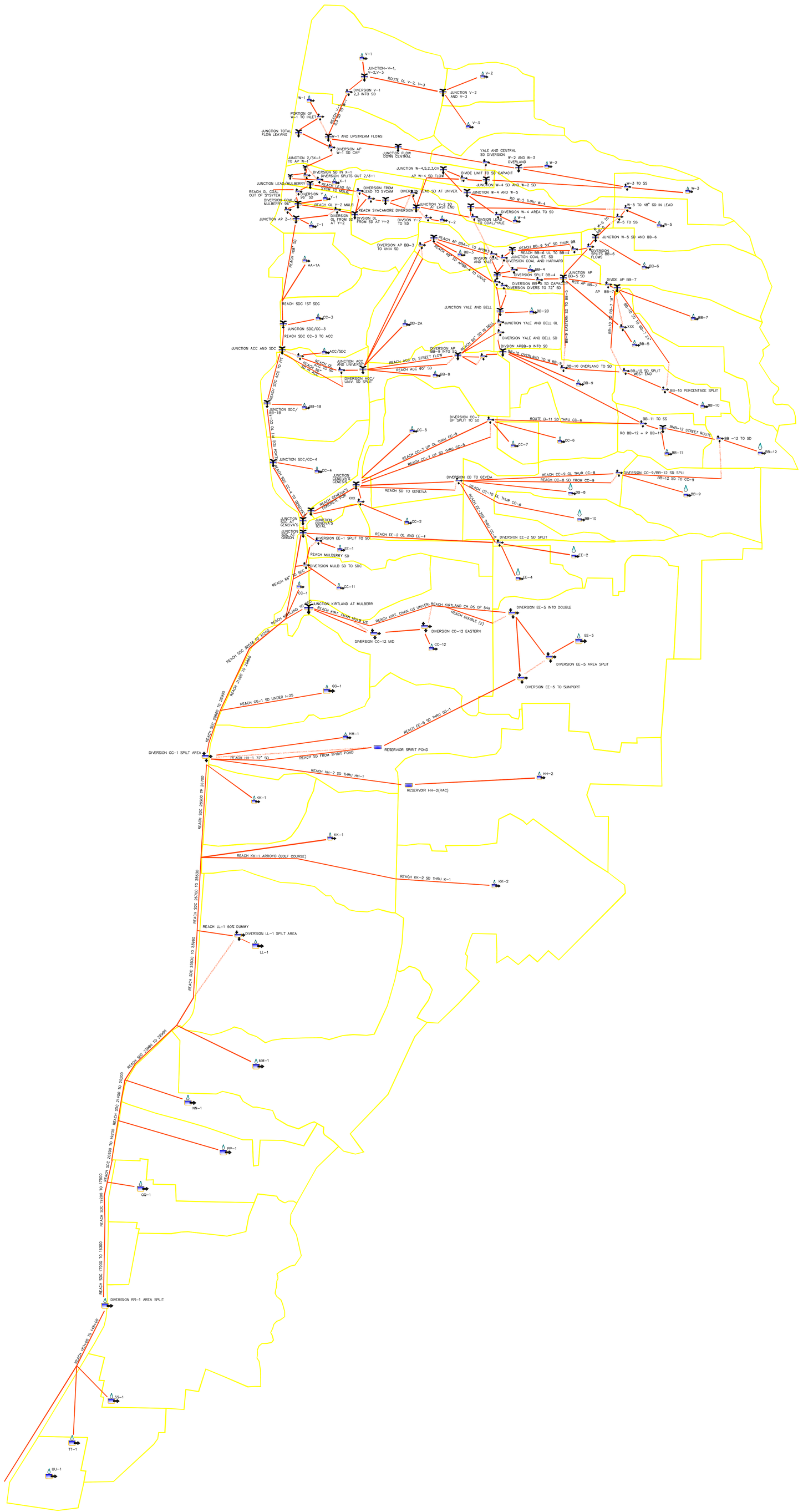

Sub-basin	Area	Existing Condition			Developed Condition		
	(sq. mi.)	Time to Peak (hr:mm)	Peak Q (cfs)	Volume (acre-feet)	Time to Peak (hr:mm)	Peak Q (cfs)	Volume (acre-feet)
AA-1A	0.07089	1:32	138.4	5.9	1:32	138.4	5.9
AP BB-5 OL to AP BB-4	0.3134	1:44	326.3	10.6	1:44	326.3	10.6
AP BB-7	0.13525	1:40	338.1	24.5	1:40	338.1	24.5
APBB-9	0.30029	1:38	503.3	29.5	1:38	503.3	29.5
AP W-4 SD Flow	0	1:54	35	6	1:54	35	6
AP W-4 Street Flow	0	1:36	5	0.3	1:36	5	0.3
BB-10	0.07055	1:32	137	5.7	1:32	137	5.7
BB-10 Overland to SD	0.07055	1:32	94	1.9	1:32	94	1.9
BB-10 Overland to W BB-9	0.07055	1:34	92.8	1.9	1:34	92.8	1.9
BB-10 Percentage Split	0.07055	1:32	116	3	1:32	116	3
BB-10 SD Split West End	0.07055	1:32	105	2.4	1:32	105	2.4
BB-10 SD to BB-7 18"	0	1:30	11	0.6	1:30	11	0.6
BB-10 SD to BB-7 24"	0	1:30	21	2.7	1:30	21	2.7
BB-11	0.07102	1:34	117.4	4.8	1:34	117.4	4.8
BB-11 to SS	0.13273	1:36	103.9	3.8	1:36	103.9	3.8
BB-12	0.06171	1:44	74.1	5.1	1:44	74.1	5.1
BB-12 SD to CC-9	0	1:48	13	2.3	1:48	13	2.3
BB-12 Street Route	0.06171	1:48	61.1	2.8	1:48	61.1	2.8
BB-12 to SD	0.06171	1:44	61.1	2.8	1:44	61.1	2.8
BB-1A	0.02752	1:32	53.4	2.3	1:32	59.8	2.8
BB-1B	0.11283	1:40	182	11.2	1:40	182	11.2
BB-2A	0.16434	1:48	198.4	15.6	1:48	198.4	15.6
BB-2B	0.06495	1:44	54.4	2.8	1:44	54.4	2.8
BB-3	0.03974	1:34	74.1	3.3	1:34	74.1	3.3
BB-4	0.06995	1:40	97.7	5.8	1:40	97.7	5.8
BB-5	0.17815	1:38	251.6	13.5	1:38	251.6	13.5
BB-5 Split 50-50	0.17815	1:38	116.2	2.4	1:38	116.2	2.4
BB-6	0.15058	1:38	217.6	11.5	1:38	217.6	11.5
BB-7	0.13525	1:40	170.7	10.1	1:40	170.7	10.1
BB-8	0.09559	1:38	147	8.1	1:38	147	8.1
BB-9	0.09701	1:36	160.3	7.8	1:36	160.3	7.8
BB-9 Eastern SD to BB-5	0	1:40	11	0.5	1:40	11	0.5
CC-1	0.02925	1:30	54.6	2.2	1:30	68.5	3.2
CC-1D	0.08297	1:40	112.7	6.9	1:40	112.7	6.9
CC-11	0.09264	1:32	183.4	7.8	1:32	183.4	7.8
CC-12	0.24083	1:34	428.9	19.8	1:34	428.9	19.8
CC-2	0.10018	1:34	160.5	7.3	1:34	190.2	9.7
CC-3	0.09982	1:38	152	8.1	1:38	174.7	10
CC-4	0.09506	1:34	120	3.5	1:34	189.5	8.8
CC-5	0.22138	1:36	323.9	16.5	1:36	323.9	16.5
CC-6	0.06931	1:30	139.4	5.8	1:30	139.4	5.8
CC-7	0.02529	1:30	40.6	1.3	1:30	40.6	1.3
CC-8	0.1377	1:32	265.7	11.7	1:32	265.7	11.7
CC-9	0.14493	1:44	138.6	10.5	1:44	138.6	10.5
Central flow in W-1	0.38013	1:50	304.2	15.2	1:50	304.2	15.2
Diversion-ACC/Univ. SD split	1.19884	1:46	157.7	2	1:46	157.7	2
Diversion-APBB-3 to Univ. SD	0.19032	1:36	64.2	1.5	1:36	64.2	1.5
Diversion-AP BB-6 SD	0.15058	1:38	195.5	10	1:38	195.5	10
Diversion-APBB-9 into SD	0.30029	0:00	0	0	0:00	0	0
Diversion-AP W-1 SD Cap	0.6945	1:40	6.6	0	1:40	6.6	0
Diversion-Bell&Yale 36"	0	0:00	0	0	0:00	0	0
Diversion-CC-12 Eastern	0.24083	1:34	300.2	13.9	1:34	300.2	13.9
Diversion-CC-12 Mid	0.24083	1:34	30	1.4	1:34	30	1.4
Diversion-CC-7Up Split to SD	0.0946	1:30	134	2.7	1:30	134	2.7
Diversion-CC-9/BB-12 SD Spli	0.14493	1:44	124.6	5.2	1:44	124.6	5.2
Diversion-Coal/Mulberry 96"	0.11665	1:42	31.1	0.5	1:42	31.1	0.5
Diversion-Coal and Harvard	0.15058	1:46	96.7	4.4	1:46	96.7	4.4
Diversion-Coal and Yale	0.15058	0:00	0	0	0:00	0	0
Diversion-Diverts to 72" SD	0	1:32	123	11	1:32	123	11
Diversion-EE-1 split to SD	0.09062	1:34	86.7	1.7	1:34	86.7	1.7
Diversion-EE-2 SD split	0.13714	1:54	45.8	1.4	1:54	45.8	1.4
Diversion-EE-5 Area split	0.42299	1:46	427.6	30.4	1:46	427.6	30.4
Diversion-EE-5 into Double	0.42299	1:46	213.8	15.2	1:46	213.8	15.2
Diversion-EE-5 to Sunport	0	0:00	0	0	0:00	0	0
Diversion-From Lead on Sycam	0	1:42	141	12.3	1:42	141	12.3
Diversion-GG-1 Split Area	0.30987	1:38	227.4	7.7	1:38	365.5	20.2
Diversion-Lead/Sycam. SD/St.	0	0:00	0	0	0:00	0	0
Diversion-Lead SD at Univer.	0	0:00	0	0	0:00	0	0
Diversion-Lead to Coal/Yale	0	1:38	142.4	7.8	1:38	142.4	7.8
Diversion-LL-1 Split Area	0.48104	1:36	280.2	10.1	1:36	382.3	16.5
Diversion-Multi. SD to SDC	0.09264	0:00	0	0	0:00	0	0
Diversion-OL from SD at Y-2	0.09809	1:38	11.9	0.1	1:38	11.9	0.1
Diversion-OL Inlets ACC/SDC	1.22636	0:00	0	0	0:00	0	0
Diversion-Overland APBB4	0.38335	1:46	353.8	8.8	1:46	353.8	8.8
Diversion-RR-1 Area Split	0.02726	1:30	50	1.9	1:30	50	1.9
Diversion-SD & Street ACC	0.74859	0:00	0	0	0:00	0	0
Diversion-SD in X-1	0	0:00	0	0	0:00	0	0
Diversion-SD to Geneivas	0.3656	1:40	206.4	6.3	1:40	206.4	6.3
Diversion-Split BB-4	0.06995	1:40	64.8	3.9	1:40	64.8	3.9
Diversion-Splits BB-6 Flows	0.15058	1:38	61.5	0.8	1:38	61.5	0.8
Diversion-Splits CC-2	0.10018	1:34	53.5	2.4	1:34	63.4	3.2
Diversion-Splits out 2/3 X-1	0.0368	1:34	23.4	1	1:34	23.4	1
Diversion- V-1,2,3 into SD	0.31437	1:36	279	6.8	1:36	279	6.8
Diversion-W-4 area to SD	0.10505	1:44	77	5.3	1:44	77	5.3
Diversion-Y-1 96" SD	0	1:40	114.4	1.3	1:40	114.4	1.3
Diversion-Yale & Bell OL	0.4483	1:46	393.4	10.1	1:46	393.4	10.1
Diversion- Yale& Bell SDs	0	1:34	129	11.8	1:34	129	11.8
Divide-AP BB-5 SD Capacity	0.3134	1:40	329.8	10.6	1:40	329.8	10.6
Divide AP-BB-7	0.13525	1:40	251.1	11.5	1:40	251.1	11.5
Divide - Limit to SD Capacit	0	1:36	5	0.3	1:36	5	0.3
Divide Y-2 to SD	0.09809	1:38	140.2	6	1:38	140.2	6
EE-1	0.09062	1:34	158.7	7.7	1:34	158.7	7.7
EE-2	0.13714	1:54	132.8	11.5	1:54	132.8	11.5
EE-4	0.06208	1:32	118.6	5.2	1:32	118.6	5.2
EE-5	0.42299	1:46	496.1	35.3	1:46	496.1	35.3
GG-1	0.19291	1:34	287.3	10.9	1:34	383.9	18
HH-1	0.30987	1:38	324.8	11	1:38	522.1	28.8
HH-2	0.38517	2:02	310.1	31.3	2:02	310.1	31.3
JJ-1	0.11471	1:32	136.5	4.3	1:32	266.6	11.6
Junct-APBB4 Yale-Garfield	0.38335	1:46	770.8	46.2	1:46	770.8	46.2
Junction-2/3 X-1 to AP W-1	0	1:40	684.7	33.7	1:40	684.7	33.7
Junction-ACC & Universit	1.19884	1:46	1387.7	89.3	1:46	1387.7	89.3
Junction-ACC and Buena Vista	0.74859	1:46	894.8	51.3	1:46	894.8	51.3
Junction-ACC and SDC	0.2408	1:48	2441.8	165.7	1:48	2463.7	168.1
Junction-APBB-3	0.19032	1:36	191.2	14.3	1:36	191.2	14.3
Junction-AP BB-5 SD	0.3134	1:40	489.8	29	1:40	489.8	29
Junction-AP Z-1	0.07009	1:36	990.1	61.2	1:36	990.1	61.2
Junction-Coal/Mulberry	0.11685	1:42	741.1	46.4	1:42	741.1	46.4
Junction-Coal St., SD,	0.15058	1:46	221.7	11.9	1:46	221.7	11.9
Junction- Flow Down Central	0.38013	1:46	307.9	15.2	1:46	307.9	15.2
Junction-Geneiva's Genesis	0.67158	1:38	1103.9	73.6	1:38	1121.5	75.2
Junction-Geneiva Total	0.77176	1:38	1148.7	76.1	1:38	1175.5	78.4
Junction-Kirtland at Mulberr	0.66382	1:40	709.2	50.2	1:40	709.2	50.2
Junction-Lead/Mulberry	0	1:40	824.4	46	1:40	824.4	46
Junction-Lead/Sycamore	0	1:42	184.2	16.1	1:42	184.2	16.1
Junction-Out of Syst. at X-1	0.0368	1:34	23.4	1	1:34	23.4	1
Junction-SDC/BB-1B	0.35363	1:50	2408.8	175.1	1:50	2429.7	177.5
Junction- SDC/ CC-3	0.2408	1:40	1131.7	74.6	1:40	1153.3	76.5
Junction-SDC/ CC-4	0.44869	1:54	2275.7	176.8	1:54	2337.5	184.5
Junction-SDC at Geneva's	1.22045	1:52	2876.7	250.9	1:52	2964.8	261
Junction-SDC at Gibson	1.51029	1:52	2964.4	259.2	1:52	3052.6	269.2
Junction-Total Flow Leaving	0.85036	1:40	64.4	3.2	1:40	64.4	3.2
Junction-V-1, V-3	0.31437	1:36	475	25.7	1:36	475	25.7
Junction- V-2 and V-3	0.11785	1:38	165.3	9.7	1:38	165.3	9.7
Junction - W-4,5,2,3 Ov	0.18456	1:44	82	5.6	1:44	82	5.6
Junction-W-4 and 5 SD	0	1:38	167.5	9.2	1:38	167.5	9.2
Junction-W-4 and W-5	0.18456	1:44	77	5.3	1:44	77	5.3
Junction W-4 SD and W-2 SD	0	1:36	40	6.3	1:36	40	6.3
Junction- W-5 SD and BB-6	0.15058	1:38	227.9	11.6	1:38	227.9	11.6
Junction Y-2 SD at east end	0	1:40	185.3	16.1	1:40	185.3	16.1
Junction-Y-2 West End (DS)	0.09809	1:38	181.9	9.8	1:38	181.9	9.8
Junction-Yale and Bell	0.4483	1:46	697.4	37.9	1:46	697.4	37.9
KK-1	0.22948	1:36	295.7	11.8	1:36	321	13.6
KK-2	0.42469	1:46	486.2	34.4	1:46	486.2	34.4
LL-1	0.48104	1:36	560.4	20.1	1:36	764.6	32.9
MM-1	0.32452	1:34	435.3	16.5	1:34	636.5	30.2
New Lead SD BV to Univ.	0	1:40	142.3	7.8	1:40	142.3	7.8
NN-1	0.12462	1:32	202.6	7.3	1:32	273.7	12.6
Portion of W-1 to Inlets	0.15586	1:38	59.8	3.2	1:38	59.8	3.2
PP-1	0.21256	1:32	285.6	8.5	1:32	443.8	19.8
QQ-1	0.10665	1:30	190.6	7.5	1:30	220	9.1
Reach-108" SD	0.07009	1:40	983.7	61	1:40	983.7	61
Reach-163+00 to 148+00	5.22948	2:32	2996.2	442.8	2:32	3483.9	528.4
Reach-31200 to 29860	2.296	1:58	3427.5	319.1	1:58	3527.8	330
Reach-48" SD APBB-4 to Unive	0	1:56	123	11	1:56	123	11
Reach-48" SD in Lead	0	1:36	123	5.7	1:36	123	5.7
Reach-60" SD in Bell	0	1:48	129	11.8	1:48	129	11.8
Reach-66" to SDC	0	1:32	253.4	13.7	1:32	253.4	13.7
Reach-72" SD	0	1:48	294	26.4	1:48	294	26.4
Reach-72" SD Bell to APBB9	0	1:50	175	16	1:50	175	16
Reach-96" SD in ACC	0	1:44	1230	87.3	1:44	1230	87.3
Reach-96" SD Lead to Coal	0	1:40	710	44.7	1:40	710	44.7
Reach-ACC 90" SD	0	1:48	893.7	51.3	1:48	893.7	51.3
Reach-ACC OL street flow	0.74859	0:00	0	0	0:00	0	0
Reach-ACC SD To Bell	0	1:38	503.3	29.5	1:38	503.3	29.5
Reach-AP BB4-1 to APBB3	0.15058	0:00	0	0	0:00	0	0
Reach- AP BB-5 SD to BB-4	0	1:52	160	18.5	1:52	160	18.5
Reach-APBB-9 ACC OL to Bell	0.30029	0:00	0	0	0:00	0	0
Reach-AP W-1 to X-1	0	1:40	650.9	31.7	1:40	650.9	31.7
Reach-BB-4 SD to APBB4	0	1:46	115.1	5.7	1:46	115.1	5.7
Reach - BB-6 54" SD thru BB-	0	1:44	134	9.1	1:44	134	9.1
Reach-BB-6 OL to BB-4	0.15058	1:46	58.6	0.8	1:46	58.6	0.8
Reach-BB-6 SD to BB-5 SD	0	1:40	31.9	1.6	1:40	31.9	1.6
Reach-CC-10 OL thru CC-8	0.08297	1:42	112.6	6.9	1:42	112.6	6.9
Reach-CC-7Up OL thru CC-5	0.0946	1:36	130.9	2.7	1:36	130.9	2.7
Reach-CC-7Up SD thru CC-5	0	1:30	82	8.2	1:30	82	8.2
Reach-CC-8 SD from CC-9	0	1:30	47.1	7.5	1:30	47.1	7.5
Reach-CC-9 OL thru CC-8	0.14493	1:48	124.5	5.2	1:48	124.5	5.2
Reach-Double (2)	0	1:46	213.4	15.2	1:46	213.4	15.2
Reach-Double 54" SD	0.42299	1:46	213.4	15.2	1:46	213.4	15.2
Reach- EE-2 OL and EE-4	0.19922	1:40	117.7	6.5	1:40	117.7	6.5
Reach-EE-2 SD thru CC-8	0	1:58	87	10.1	1:58	87	10.1
Reach-EE-5 SD thru GG-1	0	1:48	68.3	4.9	1:48	68.3	4.9
Reach-Geneiva's Concrete Por	0.67158	1:38	1102.5	73.6	1:38	1120.2	75.2
Reach-Geneiva's Earth/RipRap	0.67158	1:38	1098.2	73.6	1:38	1116.2	75.2
Reach-GG-1 SD under I-25	0.19291	1:34	287.3	10.9	1:34	383.9	18
Reach-Harvard 60" SD	0	1:48	125	7.5	1:48	125	7.5
Reach-HH-1 72" SD	0.38517	2:22	269.4	37.2	2:22	303.3	42.2
Reach-HH-2 SD thru HH-1	0.38517	2:26	221.7	30.1	2:26	221.7	30.1
Reach-Kirtl. Chan, DS Univer	0.42299	1:46	498.9	36.3	1:46	498.9	36.3
Reach-Kirtl. Chan. Mulb. US	0.42299	1:40	685.1	48.8	1:40	685.1	48.8
Reach-Kirtl. Chan. US Univer	0.42299	1:46	499	36.3	1:46	499	36.3
Reach-Kirtland Ch. DS of 54s	0.42299	1:46	426.1	30.4	1:46	426.1	30.4
Reach-Kirtland to SDC	0.66382	1:40	708.7	50.1	1:40	708.7	50.1
Reach-KK-1 Arroyo (Golf Cour	0.42469	1:50	483.4	34.3	1:50	483.4	34.3
Reach-KK-2 60" SD thru KK-1	0.42469	1:46	483.9	34.4	1:46	483.9	34.4
Reach-Lead OL Out of System	0	1:42	111.5	1.3	1:42	111.5	1.3
Reach- Lead SD Sycm. to Mulb	0	1:42	140.9	12.3	1:42	140.9	12.3
Reach-LL-1 50% Dummy	0.48104	1:36	280.2	10.1	1:36	382.3	16.5
Reach-Mulberry SD	0	1:48	72	5.9	1:48	72	5.9
Reach-Mulbury Rundown	0.09264	0:00	0	0	0:00	0	0
Reach-OL ACC to SD	1.19884	1:50	155.8	2	1:50	155.8	2
Reach-OL APBB4 to Bell	0.38335	1:46	350.1	8.7	1:46	350.1	8.7
Reach-OL Coal Out of System	0.11685	1:42	30.3	0.5	1:42	30.3	0.5
Reach-OL from Lead/Univ.	0	0:00	0	0	0:00	0	0
Reach-OL to Geveiva from Yal	0.3656	1:44	205.7	6.3	1:44	205.7	6.3
Reach-OL University flows	0.19032	1:46	61.8	1.5	1:46	61.8	1.5
Reach-OL-Y-2 to Mulb.	0.09809	1:42	11.6	0.1	1:42	11.6	0.1
Reach-OL Yale and Bell	0.4483	1:50	388.3	10	1:50	388.3	10
Reach-SDC 17900 to 16300	5.20222	2:28	3093.6	446	2:28	3587.9	532.2
Reach-SDC 19200 to 17900	5.20222	2:24	3206.9	451.2	2:24	3707.4	537.9
Reach-SDC 1st Seg.	0.14098	1:42	992.6	66.4	1:42	992.6	66.4
Reach-SDC 20200 to 19200	5.09557	2:20	3299.6	448.1	2:20	3799.3	533.8
Reach-SDC 21400 to 20200	4.88701	2:18	3178.3	442.9	2:18	3648.6	517.6
Reach-SDC 22990 to 21400	4.75839	2:14	3479.5	439.9	2:14	3946.4	509.6
Reach-SDC 23980 to 22990	4.43387	2:12	3601.7	428.9	2:12	4010.7	485.3
Reach-SDC 25530 to 23980	4.43387	2:10	3653.6	421.4	2:10	4031.7	471.6
Reach-SDC 26700 to 25530	3.95283	2:06	3754	415.4	2:06	4105.8	459.4
Reach-SDC 28900 to26700	3.29866	2:06	3464	372.4	2:06	3788.6	414.8
Reach-SDC 29860 to 28900	2.48891	2:00	3426.1	328.6	2:00	3577.3	346.6
Reach-SDC 32538 to 31200	2.296	1:54	3523	321.2	1:54	3625.1	332.1
Reach-SDC 66" to Kirtland	1.60293	1:54	3020	271.1	1:54	3114.3	281.1
Reach-SDC ACC to Pit	0.2408	1:52	2280.8	163.9	1:52	2301.9	166.3
Reach-SDC CC-1 to ACC	0.2408	1:44	1067.9	74.1	1:44	1087.8	76
Reach-SDC CC-4 to Geneiva's	0.44869	1:56	2118.1	174.9	1:56	2183.9	182.6
Reach-SDC DS to SS-1 Rundown	5.80839	2:42	2832.8	471.6	2:42	3334.8	564.5
Reach-SDC Gibson to Rundown	1.51029	1:54	2941.3	258.5	1:54	3032.5	268.5
Reach-SDC Pit to CC-4	0.35363	1:54	2249.8	173.3	1:54	2273	175.7
Reach-SDC Rundown to 66"	1.60293	1:54	2916.1	257.9	1:54	3009.2	267.9
Reach-SD DS of Y-2	0	1:40	170	9.7	1:40	170	9.7
Reach-SD from Spirit Pond	0	2:10	51.4	7.2	2:10	87.7	12.2
Reach-SD to Geneiva	0	1:32	305	35.1	1:32	305	35.1
Reach-Syc. St. Lead to Coal	0	0:00	0	0	0:00	0	0
Reach-Sycamore Diversion	0	1:42	43.1	3.8	1:42	43.1	3.8
Reach-University 54" SD	0	2:02	127	12.8	2:02	127	12.8
Reach V-1,2,3 SD to W-1	0.31437	1:38	273.4	6.8	1:38	273.4	6.8
Reservoir-HH-2 (RAC)	0.38517	2:24	221.7	30.1	2:24	221.7	30.1
Reservoir-Spirit Pond	0	2:08	51.4	7.2	2:08	87.7	12.2
RO BB-10 to BB-9	0.07055	1:32	105	2.4	1:32	105	2.4
RO BB-11 Up Thru BB-9	0.13273	1:42	103	3.8