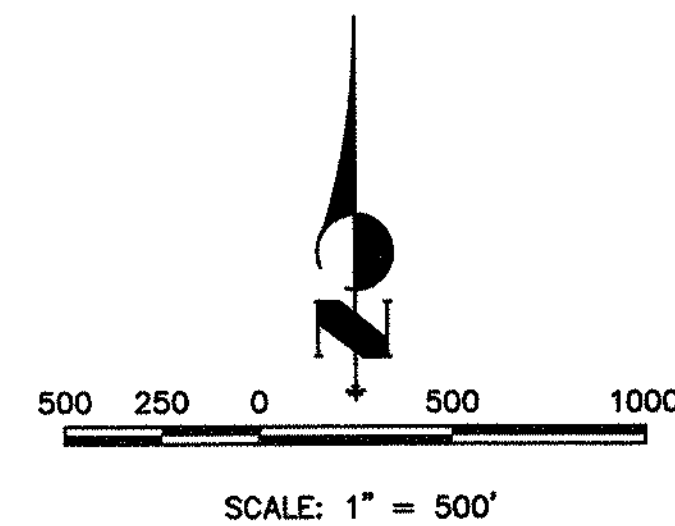
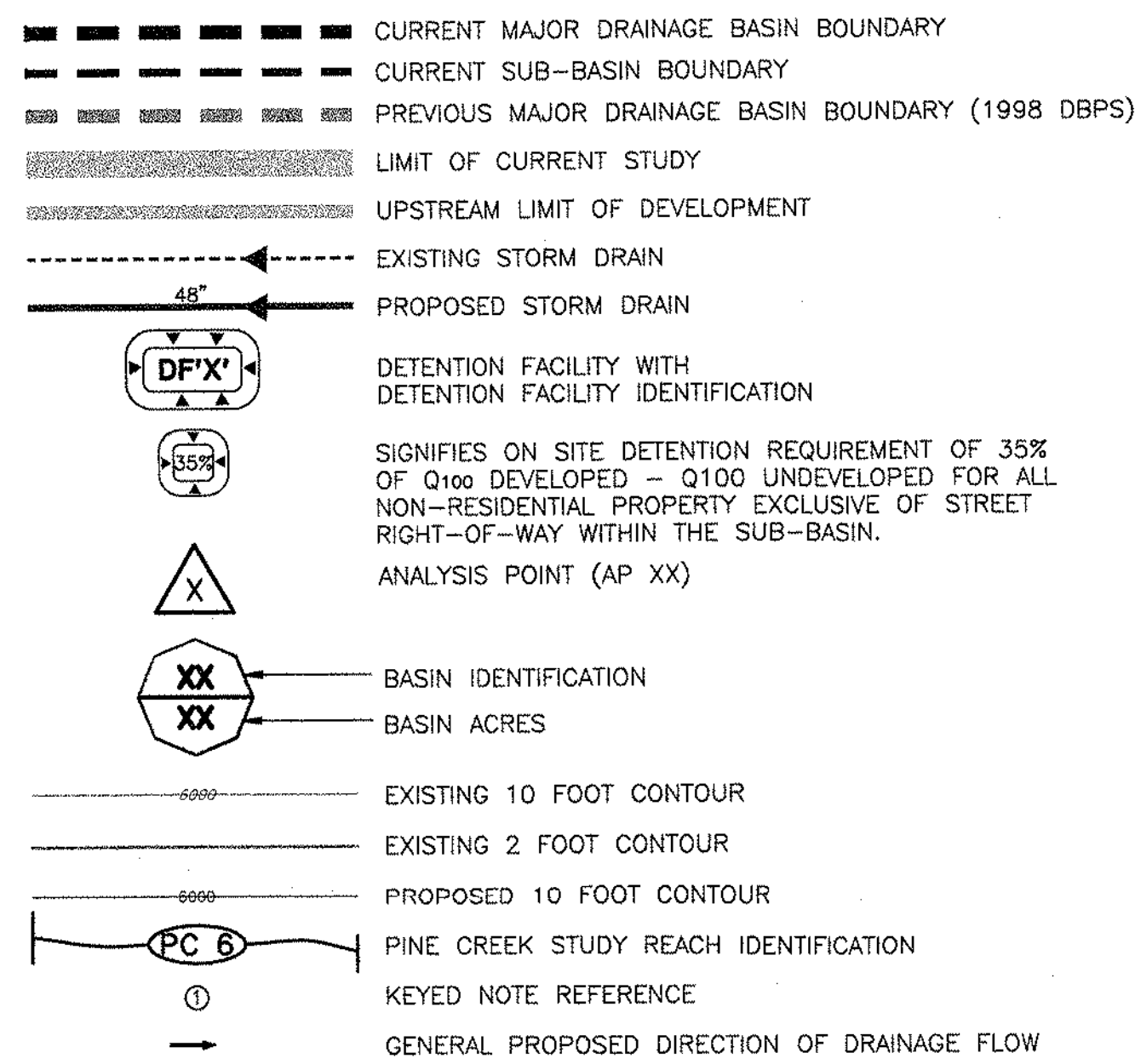
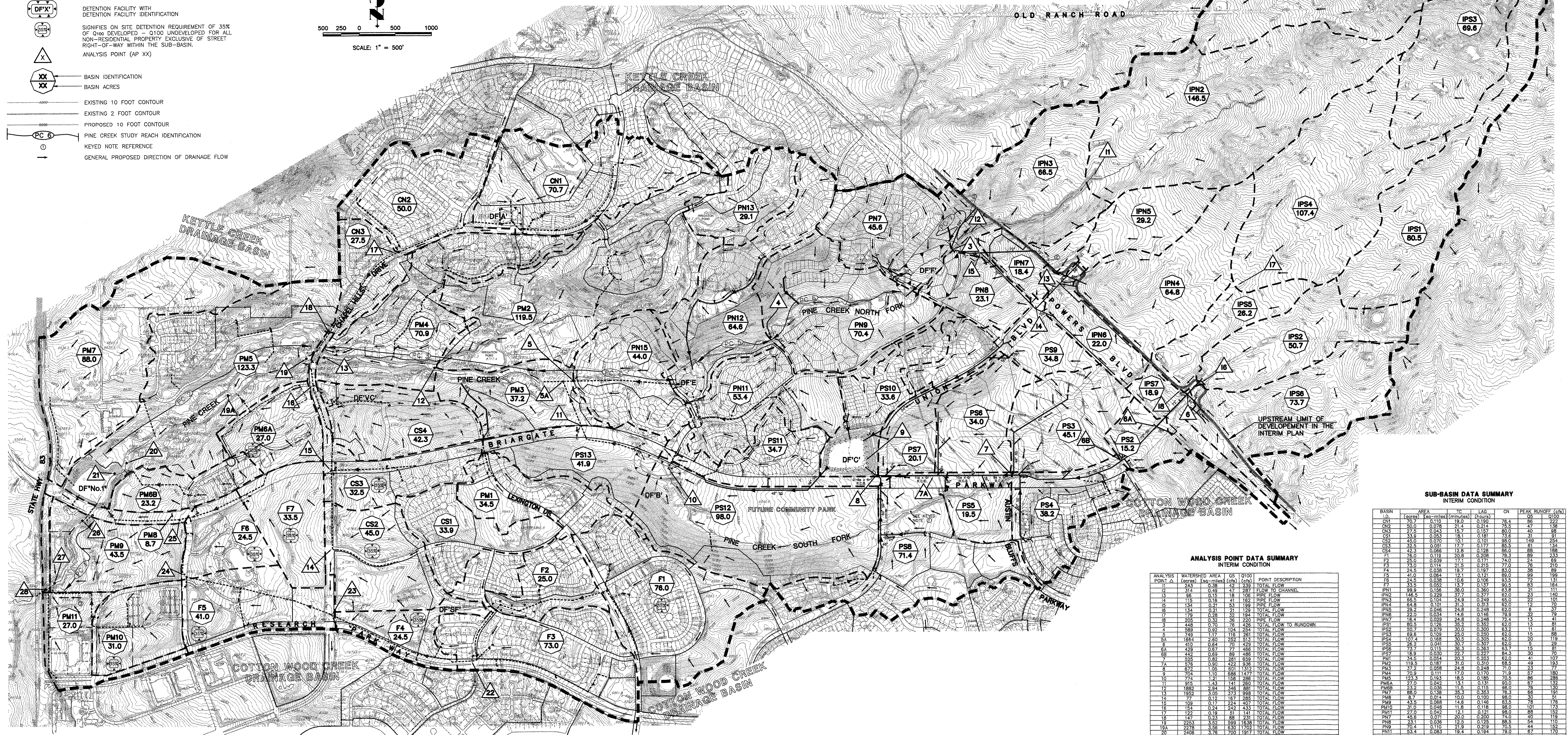


LEGEND



AMENDMENT 3 TO PINE CREEK BASIN PLANNING STUDY INTERIM (PARTIALLY DEVELOPED) CONDITION BASIN MAP AND MASTER PLAN



SUB-BASIN DATA SUMMARY INTERIM CONDITION

BASIN	AREA	TC	LAG	ON	PEAK RUNOFF (cfs)
(acres)	(sq-miles)	(minutes)	(hours)	Q5	Q100
IPN1	99.9	0.110	1.0	75.4	86
IPN2	146.5	0.078	21.4	0.214	75.5
IPN3	66.5	0.043	18.1	0.181	73.8
IPN4	23.1	0.050	17.7	0.177	83.5
IPN5	28.2	0.119	0.8	0.008	76.0
IPN6	22.0	0.039	17.1	0.171	74.0
IPN7	18.4	0.114	11.5	0.215	77.0
IPN8	23.1	0.038	19.7	0.197	83.0
IPN9	23.1	0.064	0.1	0.101	86.0
IPN10	23.1	0.039	10.6	0.106	83.5
IPN11	99.9	0.110	1.0	75.4	86
IPN12	146.5	0.078	21.7	0.217	75.0
IPN13	66.5	0.043	18.1	0.181	73.8
IPN14	23.1	0.050	17.3	0.173	86.0
IPN15	28.2	0.119	0.8	0.008	76.0
IPN16	22.0	0.039	16.8	0.168	74.0
IPN17	18.4	0.114	11.5	0.215	77.0
IPN18	23.1	0.038	19.7	0.197	83.0
IPN19	23.1	0.064	0.1	0.101	86.0
IPN20	23.1	0.039	10.6	0.106	83.5
IPN21	99.9	0.079	30.0	0.300	63.2
IPN22	58.8	0.039	10.6	0.106	83.5
IPN23	102.4	0.043	18.1	0.181	73.8
IPN24	26.7	0.041	30.7	0.307	54.0
IPN25	26.7	0.113	0.3	0.003	5.0
IPN26	26.7	0.041	30.7	0.307	54.0
IPN27	18.4	0.030	22.7	0.227	83.0
IPN28	26.7	0.041	30.7	0.307	54.0
IPN29	119.5	0.187	31.0	0.310	68.5
IPN30	26.7	0.041	30.7	0.307	54.0
IPN31	119.5	0.187	31.0	0.310	68.5
IPN32	26.7	0.111	0.1	0.111	4.8
PMS1	123.3	0.153	18.5	0.185	70.5
PMS2	26.7	0.041	30.7	0.307	54.0
PMS3	26.7	0.041	30.7	0.307	54.0
PMS4	26.7	0.041	30.7	0.307	54.0
PMS5	26.7	0.041	30.7	0.307	54.0
PMS6	26.7	0.041	30.7	0.307	54.0
PMS7	26.7	0.041	30.7	0.307	54.0
PMS8	26.7	0.041	30.7	0.307	54.0
PMS9	26.7	0.041	30.7	0.307	54.0
PMS10	26.7	0.041	30.7	0.307	54.0
PMS11	26.7	0.041	30.7	0.307	54.0
PMS12	26.7	0.041	30.7	0.307	54.0
PMS13	26.7	0.041	30.7	0.307	54.0
PMS14	26.7	0.041	30.7	0.307	54.0
PMS15	26.7	0.041	30.7	0.307	54.0
PMS16	26.7	0.041	30.7	0.307	54.0
PMS17	26.7	0.041	30.7	0.307	54.0
PMS18	26.7	0.041	30.7	0.307	54.0
PMS19	26.7	0.041	30.7	0.307	54.0
PMS20	26.7	0.041	30.7	0.307	54.0
PMS21	26.7	0.041	30.7	0.307	54.0
PMS22	26.7	0.041	30.7	0.307	54.0
PMS23	26.7	0.041	30.7	0.307	54.0
PMS24	26.7	0.041	30.7	0.307	54.0
PMS25	26.7	0.041	30.7	0.307	54.0
PMS26	26.7	0.041	30.7	0.307	54.0
PMS27	26.7	0.041	30.7	0.307	54.0
PMS28	26.7	0.041	30.7	0.307	54.0
PMS29	26.7	0.041	30.7	0.307	54.0
PMS30	26.7	0.041	30.7	0.307	54.0
PMS31	26.7	0.041	30.7	0.307	54.0
PMS32	26.7	0.041	30.7	0.307	54.0
PMS33	26.7	0.041	30.7	0.307	54.0
PMS34	26.7	0.041	30.7	0.307	54.0
PMS35	26.7	0.041	30.7	0.307	54.0
PMS36	26.7	0.041	30.7	0.307	54.0
PMS37	26.7	0.041	30.7	0.307	54.0
PMS38	26.7	0.041	30.7	0.307	54.0
PMS39	26.7	0.041	30.7	0.307	54.0
PMS40	26.7	0.041	30.7	0.307	54.0
PMS41	26.7	0.041	30.7	0.307	54.0
PMS42	26.7	0.041	30.7	0.307	54.0
PMS43	26.7	0.041	30.7	0.307	54.0
PMS44	26.7	0.041	30.7	0.307	54.0
PMS45	26.7	0.041	30.7	0.307	54.0
PMS46	26.7	0.041	30.7	0.307	54.0
PMS47	26.7	0.041	30.7	0.307	54.0
PMS48	26.7	0.041	30.7	0.307	54.0
PMS49	26.7	0.041	30.7	0.307	54.0
PMS50	26.7	0.041	30.7	0.307	54.0
PMS51	26.7	0.041	30.7	0.307	54.0
PMS52	26.7	0.041	30.7	0.307	54.0
PMS53	26.7	0.041	30.7	0.307	54.0
PMS54	26.7	0.041	30.7	0.307	54.0
PMS55	26.7	0.041	30.7	0.307	54.0
PMS56	26.7	0.041	30.7	0.307	54.0
PMS57	26.7	0.041	30.7	0.307	54.0
PMS58	26.7	0.041	30.7	0.307	54.0
PMS59	26.7	0.041	30.7	0.307	54.0
PMS60	26.7	0.041	30.7	0.307	54.0
PMS61	26.7	0.041	30.7	0.307	54.0
PMS62	26.7	0.041	30.7	0.307	54.0
PMS63	26.7	0.041	30.7	0.307	54.0
PMS64	26.7	0.041	30.7	0.307	54.0
PMS65	26.7	0.041	30.7	0.307	54.0
PMS66	26.7	0.041	30.7	0.307	54.0
PMS67	26.7	0.041	30.7	0.307	54.0
PMS68	26.7	0.041	30.7	0.307	54.0
PMS69	26.7	0.041	30.7	0.307	54.0
PMS70	26.7	0.041	30.7	0.307	54.0
PMS71	26.7	0.041	30.7	0.307	54.0
PMS72	26.7	0.041	30.7	0.307	54.0
PMS73	26.7	0.041	30.7	0.307	54.0
PMS74	26.7	0.041	30.7	0.307	54.0
PMS75	26.7	0.041	30.7	0.307	54.0
PMS76	26.7	0.041	30.7	0.307	54.0
PMS77	26.7	0.041	30.7	0.307	54.0
PMS78	26.7	0.041	30.7	0.307	54.0
PMS79	26.7	0.041	30.7	0.307	54.0
PMS80	26.7	0.041	30.7	0.307	54.0
PMS81	26.7	0.041	30.7	0.307	54.0
PMS82	26.7	0.041	30.7	0.307	54.0
PMS83	26.7	0.041	30.7	0.307	54.0
PMS84	26.7	0.041	30.7	0.307	54.0
PMS85	26.7	0.041	30.7	0.307	54.0
PMS86	26.7	0.041	30.7	0.307	54.0
PMS87	26.7	0.041	30.7	0.307	54.0
PMS88	26.7	0.041	30.7	0.307	54.0
PMS89	26.7	0.041	30.7	0.307	54.0
PMS90	26.7	0.041	30.7	0.307	54.0
PMS91	26.7	0.041	30.7	0.307	54.0
PMS92	26.7	0.041	30.7	0.307	54.0
PMS93	26.7	0.041	30.7	0.307	54.0
PMS94	26.7	0.041	30.7	0.307	54.0
PMS95	26.7	0.041	30.7	0.307	54.0
PMS96	26.7	0.041	30.7	0.307	54.0
PMS97	26.7	0.041	30.7	0.307	54.0
PMS98	26.7	0.041	30.7	0.307	54.0
PMS99	26.7	0.041	30.7	0.307	54.0
PMS100	26.7	0.041	30.7	0.307	54.0
TOTAL	2397.0				

ANALYSIS POINT DATA SUMMARY INTERIM CONDITION

ANALYSIS POINT A	WATERSHED AREA (acres)	Q5 (cfs)	Q100 (cfs)	POINT DESCRIPTION
11	24.3	0.38	2.39	TOTAL FLOW
12	314	0.49	2.87	FLOW TO CHANNEL
13	56	0.15	1.06	PIPE FLOW
14	115	0.16	1.02	PIPE FLOW
15	144	0.21	1.39	PIPE FLOW
16	134	0.21	1.39	TOTAL FLOW
17	179	0.28	1.84	TOTAL FLOW
18	205	0.32	2.20	PIPE FLOW
19	446	0.42	2.87	TOTAL FLOW TO RUNDOWN
20	589	0.52	3.54	TOTAL FLOW
21	748	0.61	4.28	TOTAL FLOW
22	1084	0.80	5.13	TOTAL FLOW
23	1392	0.94	6.09	TOTAL FLOW
24	179	0.11	0.71	TOTAL FLOW
25	429	0.37	2.46	TOTAL FLOW
26	452	0.38	2.50	TOTAL FLOW
27	476	0.39	2.58	TOTAL FLOW
28	512	0.42	2.79	TOTAL FLOW
29	554	0.46	3.03	TOTAL FLOW
30	594	0.50	3.28	TOTAL FLOW
31	632	0.54	3.54	TOTAL FLOW
32	669	0.58	3.81	TOTAL FLOW
33	704	0.62	4.08	TOTAL FLOW
34	737	0.66	4.35	TOTAL FLOW
35	769	0.70	4.62	TOTAL FLOW
36	800	0.74	4.90	TOTAL FLOW
37	829	0.78	5.17	TOTAL FLOW
38	857	0.82	5.45	TOTAL FLOW
39	884	0.86	5.72	TOTAL FLOW
40	910	0.90	6.00	TOTAL FLOW
41	935	0.94	6.28	TOTAL FLOW
42	959	0.98	6.56	TOTAL FLOW
43	982	1.02	6.84	TOTAL FLOW
44	1004	1.06	7.12	TOTAL FLOW
45	1026	1.10	7.40	TOTAL FLOW
46	1047	1.14	7.68	TOTAL FLOW
47	1068	1.18	7.96	TOTAL FLOW
48	1088	1.22	8.24	TOTAL FLOW
49	1107	1.26	8.52	TOTAL FLOW
50	1126	1.30	8.80	TOTAL FLOW
51	1144	1.34	9.08	TOTAL FLOW
52	1162	1.38	9.36	TOTAL FLOW
53	1179	1.42	9.64	TOTAL FLOW
54	1196	1.46	9.92	TOTAL FLOW
55	1213	1.50	10.20	TOTAL FLOW
56	1229	1.54	10.48	TOTAL FLOW
57	1246	1.58	10.76	TOTAL FLOW
58	1262	1.62	11.04	TOTAL FLOW
59	1278	1.66	11.32	TOTAL FLOW
60	1294	1.70	11.60	TOTAL FLOW
61	1309	1.74	11.88	TOTAL FLOW
62	1324	1.78	12.16	TOTAL FLOW
63	1339	1.82	12.44	TOTAL FLOW
64	1353	1.86	12.72	TOTAL FLOW
65	1368	1.90	13.00	TOTAL FLOW
66	1382	1.94	13.28	TOTAL FLOW
67	1396	1.98	13.56	TOTAL FLOW
68	1410	2.02	13.84	TOTAL FLOW
69	1424	2.06	14.12	TOTAL FLOW
70	1438	2.10	14.40	TOTAL FLOW
71	1451	2.14	14.68	TOTAL FLOW
72	1465	2.18	14.96	TOTAL FLOW
73	1478	2.22	15.24	TOTAL FLOW
74	1491	2.26	15.52	TOTAL FLOW
75	1504	2.30	15.80	TOTAL FLOW
76	1517	2.34	16.08	TOTAL FLOW
77	1529	2.38	16.36	TOTAL FLOW
78	1542	2.42	16.64	TOTAL FLOW
79	1554	2.46	16.92	TOTAL FLOW
80	1567	2.50	17.20	TOTAL FLOW
81	1579	2.54	17.48	TOTAL FLOW
82	1591	2.58	17.76	TOTAL FLOW
83	1604	2.62	18.04	TOTAL FLOW
84	1616	2.66	18.32	TOTAL FLOW
85	1628	2.70	18.60	TOTAL FLOW
86	1640	2.74	18.88	TOTAL FLOW
87	1652	2.78	19.16	TOTAL FLOW
88	1664	2.82	19.44	TOTAL FLOW
89	1676	2.86	19.72	TOTAL FLOW
90	1688	2.90	20.00	TOTAL FLOW
91	1700	2.94	20.28	TOTAL FLOW
92	1712	2.98	20.56	TOTAL FLOW
93	1724	3.02	20.84	TOTAL FLOW
94	1736	3.06	21.12	TOTAL FLOW
95	1748	3.10	21.40	TOTAL FLOW
96	1760	3.14	21.68	TOTAL FLOW
97	1772	3.18	21.96	TOTAL FLOW
98	1784	3.22	22.24	TOTAL FLOW
99	1796	3.26	22.52	TOTAL FLOW
100	1808	3.30	22.80	TOTAL FLOW
101	1820	3.34	23.08	TOTAL FLOW
102	1832	3.38	23.36	TOTAL FLOW
103	1844	3.42	23.64	TOTAL FLOW
104	1856	3.46	23.92	TOTAL FLOW
105	1868	3.50	24.20	TOTAL FLOW
106	1880	3.54	24.48	TOTAL FLOW
107	1892	3.58	24.76	TOTAL FLOW
108	1904	3.62	25.04	TOTAL FLOW
109	1916	3.66	25.32	TOTAL FLOW
110	1928	3.70	25.60	TOTAL FLOW
111	1940	3.74	25.88	TOTAL FLOW
112	1952	3.78	26.16	TOTAL FLOW
113	1964	3.82	26.44	TOTAL FLOW
114	1976	3.86	26.72	TOTAL FLOW
115	1988	3.90	27.00	TOTAL FLOW
116	2000	3.94	27.28	TOTAL FLOW
117	2012	3.98	27.56	TOTAL FLOW
118	2024	4.02	27.84	TOTAL FLOW
119	2036	4.06	28.12	TOTAL FLOW
120	2048	4.10	28.40	TOTAL FLOW
121	2060	4.14	28.68	TOTAL FLOW
122	2072	4.18	28.96	TOTAL FLOW
123	2084	4.22	29.24	TOTAL FLOW
124	2096	4.26	29.52	TOTAL FLOW
125	2108	4.30	29.80	TOTAL FLOW
126	2120	4.34	30.08	TOTAL FLOW
127	2132	4.38	30.36	TOTAL FLOW
128	2144	4.42	30.64	TOTAL FLOW
129	2156	4.46	30.92	TOTAL FLOW
130	2168	4.50	31.20	TOTAL FLOW
131	2180	4.54	31.48	TOTAL FLOW
132	2192	4.58	31.76	TOTAL FLOW
133	2204	4.62	32.04	TOTAL FLOW
134	2216	4.66	32.32	TOTAL FLOW
135	2228	4.70	32.60	TOTAL FLOW
136	2240	4.74	32.88	TOTAL FLOW
137	2252	4.78	33.16	TOTAL FLOW
138	2264	4.82	33.44	TOTAL FLOW
139	2276	4.86	33.72	TOTAL FLOW
140	2288	4.90	34.00	TOTAL FLOW
141	2300	4.94	34.28	TOTAL FLOW
142	2312	4.98	34.56	TOTAL FLOW
143	2324	5.02	34.84	TOTAL FLOW
144	2336	5.06	35.12	TOTAL FLOW
145	2348	5.10	35.40	TOTAL FLOW
146	2360	5.14	35.68	TOTAL FLOW
147	2372	5.18	35.96	TOTAL FLOW
148	2384	5.22	36.24	TOTAL FLOW
149	2396	5.26	36.52	TOTAL FLOW
150	2408	5.30	36.80	TOTAL FLOW
151	2420	5.34	37.08	TOTAL FLOW
152	2432	5.38	37.36	TOTAL FLOW
153	2444	5.42	37.64	TOTAL FLOW
154	2456	5.46	37.92	TOTAL FLOW
155	2468	5.50	38.20	TOTAL FLOW
156	2480	5.54	38.48	TOTAL FLOW
157	2492	5.58	38.76	TOTAL FLOW
158	2504	5.62	39.04	TOTAL FLOW
159	2516	5.66	39.32	TOTAL FLOW
160	2528	5.70	39.60	TOTAL FLOW
161	2540	5.74	39.88	TOTAL FLOW
162	2552	5.78	40.16	TOTAL FLOW
163	2564	5.82	40.44	TOTAL FLOW
164	2576	5.86	40.72	TOTAL FLOW
165	2588	5.90	41.00	TOTAL FLOW
166	2600	5.94	41.28	TOTAL FLOW
167	2612	5.98	41.56	TOTAL FLOW
168	2624	6.02	41.84	TOTAL FLOW
169	2636	6.06	42.12	TOTAL FLOW
170	2648	6.10	42.40	TOTAL FLOW
171	2660	6.14	42.68	TOTAL FLOW
172	2672	6.18	42.96	TOTAL FLOW
173	2684	6.22	43.24	TOTAL FLOW
174	2696	6.26	43.52	TOTAL FLOW
175	2708	6.30	43.80	TOTAL FLOW
176	2720	6.34	44.08	TOTAL FLOW
177	2732	6.38	44.36	TOTAL FLOW
178	2744	6.42	44.64	TOTAL FLOW
179	2756	6.46	44.92	TOTAL FLOW
180	2768	6.50	45.20	TOTAL FLOW
181	2780	6.54	45.48	TOTAL FLOW
182	2792	6.58	45.76	TOTAL FLOW
183	2804	6.62	46.04	TOTAL FLOW
184	2816	6.66	46.32	TOTAL FLOW
185	2828	6.70	46.60	TOTAL FLOW
186	2840	6.74	46.88	TOTAL FLOW
187	2852	6.78	47.16	TOTAL FLOW
188	2864	6.82	47.44	TOTAL FLOW
189	2876	6.86	47.72	TOTAL FLOW
190	2888	6.90	48.00	TOTAL FLOW
191	2900	6.94	48.28	TOTAL FLOW
192	2912	6.98	48.56	TOTAL FLOW
193	2924	7.02	48.84	TOTAL FLOW
194	2936	7.06	49.12	TOTAL FLOW
195	2948	7.10	49.40	TOTAL FLOW
196	2960	7.14	49.68	TOTAL FLOW
197	2972	7.18	49.96	TOTAL FLOW
198	2984	7.22	50.24	TOTAL FLOW
199	2996	7.26	50.52	TOTAL FLOW
200	3008	7.30	50.80	TOTAL FLOW
201	3020	7.34	51.08	TOTAL FLOW
202	3032	7.38	51.36	TOTAL FLOW
203	3044	7.42	51.64	TOTAL FLOW
204	3056	7.46	51.92	TOTAL FLOW
205	3068	7.50	52.20	TOTAL FLOW
206	3080	7.54	52.48	TOTAL FLOW
207	3092	7.58	52.76	TOTAL FLOW
208	3104	7.62	53.04	TOTAL FLOW
209	3116	7.66	53.32	TOTAL FLOW
210	3128	7.70	53.60	TOTAL FLOW
211	3140	7.74	53.88	TOTAL FLOW
212	3152	7.78	54.16	TOTAL FLOW
213	3164	7.82	54.44	TOTAL FLOW
214	3176	7.86	54.72	TOTAL FLOW
215	3188	7.90	55.00	TOTAL FLOW
216	3200	7.94	55.28	TOTAL FLOW
217	3212	7.98	55.56	TOTAL FLOW
218	3224	8.02	55.84	TOTAL FLOW
219	3236	8.06	56.12	TOTAL FLOW
220	3248	8.10	56.40	TOTAL FLOW
221	3260	8.14	56.68	TOTAL FLOW
222	3272	8.18	56.96	TOTAL FLOW
223	3284	8.22	57.24	TOTAL FLOW
224	3296	8.26	57.52	TOTAL FLOW
225	3308	8.30	57.80	TOTAL FLOW
226	3320	8.34	58.08	TOTAL FLOW
227	3332	8.38	58.36	TOTAL FLOW
228	3344	8.42	58.64	TOTAL FLOW
229	3356	8.46	58.92	TOTAL FLOW
230	3368	8.50	59.20	TOTAL FLOW
231	3380	8.54	59.48	TOTAL FLOW
232	3392	8.58	59.76	TOTAL FLOW
233	3404	8.62	60.04	TOTAL FLOW
234	3416	8.66	60.32	TOTAL FLOW
235	3428	8.70	60.60	TOTAL FLOW
236	3440	8.74	60.88	TOTAL FLOW
237	3452	8.78	61.16	TOTAL FLOW
238	3464	8.82	61.44	TOTAL FLOW
239	3476	8.86	61.72	TOTAL FLOW
240	3488	8.90	62.00	TOTAL FLOW
241	3500	8.94	62.28	TOTAL FLOW
242	3512	8.98	62.56	TOTAL FLOW
243	3524	9.02	62.84	TOTAL FLOW
244	3536	9.06	63.12	TOTAL FLOW
245	3548	9.10	63.40	TOTAL FLOW
246	3560	9.14	63.68	TOTAL FLOW
247	3572	9.18	63.96	TOTAL FLOW
248	3584	9.22	64.24	TOTAL FLOW
249	3596	9.26	64.52	TOTAL FLOW
250	3608	9.30	64.80	TOTAL FLOW
251	3620	9.34	65.08	TOTAL FLOW
252	3632	9.38	65.36	TOTAL FLOW
253	3644	9.42	65.64	TOTAL FLOW
254	3656	9.46	65.92	TOTAL FLOW
255	3668	9.50	66.20	TOTAL FLOW
256	3680	9.54	66.48	TOTAL FLOW
257	3692	9.58	66.76	TOTAL FLOW
258	3704	9.62	67.04	TOTAL FLOW
259	3716	9.66	67.32	TOTAL FLOW
260	3728	9.70	67.60	TOTAL FLOW
261	3740	9.74	67.88	TOTAL FLOW
262	3752	9.78	68.16	TOTAL FLOW
263	3764	9.82	68.44	TOTAL FLOW
264	3776	9.86	68.72	TOTAL FLOW
265	3788	9.90	69.00	TOTAL FLOW
266	3800	9.94	69.28	TOTAL FLOW
267	3812	9.98	69.56	TOTAL FLOW
268	3824	10.02	69.84	TOTAL FLOW
269	3836	10.06	70.12	TOTAL FLOW
270	3848	10.10	70.40	TOTAL FLOW