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Ex. 279-US-425

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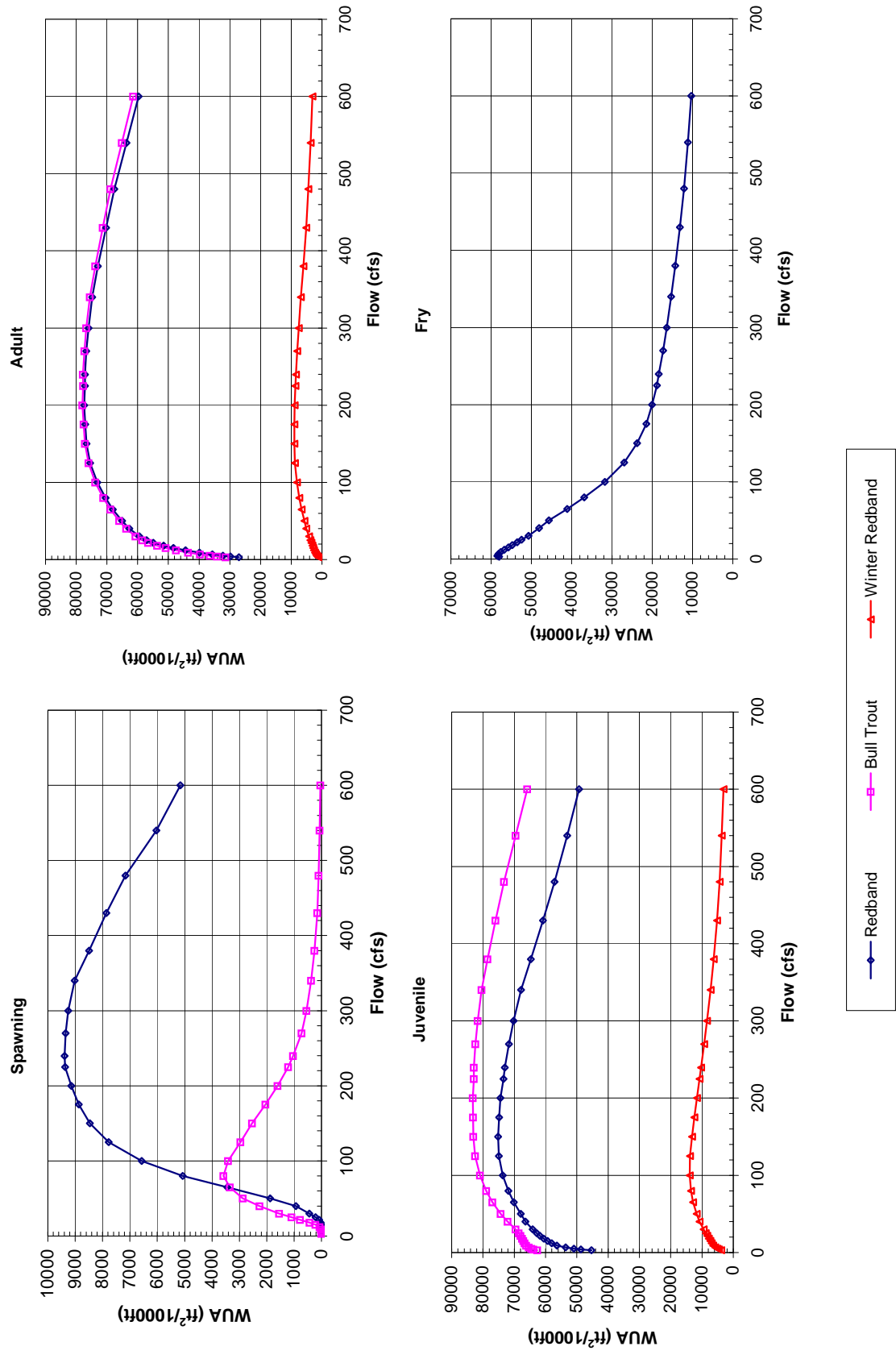
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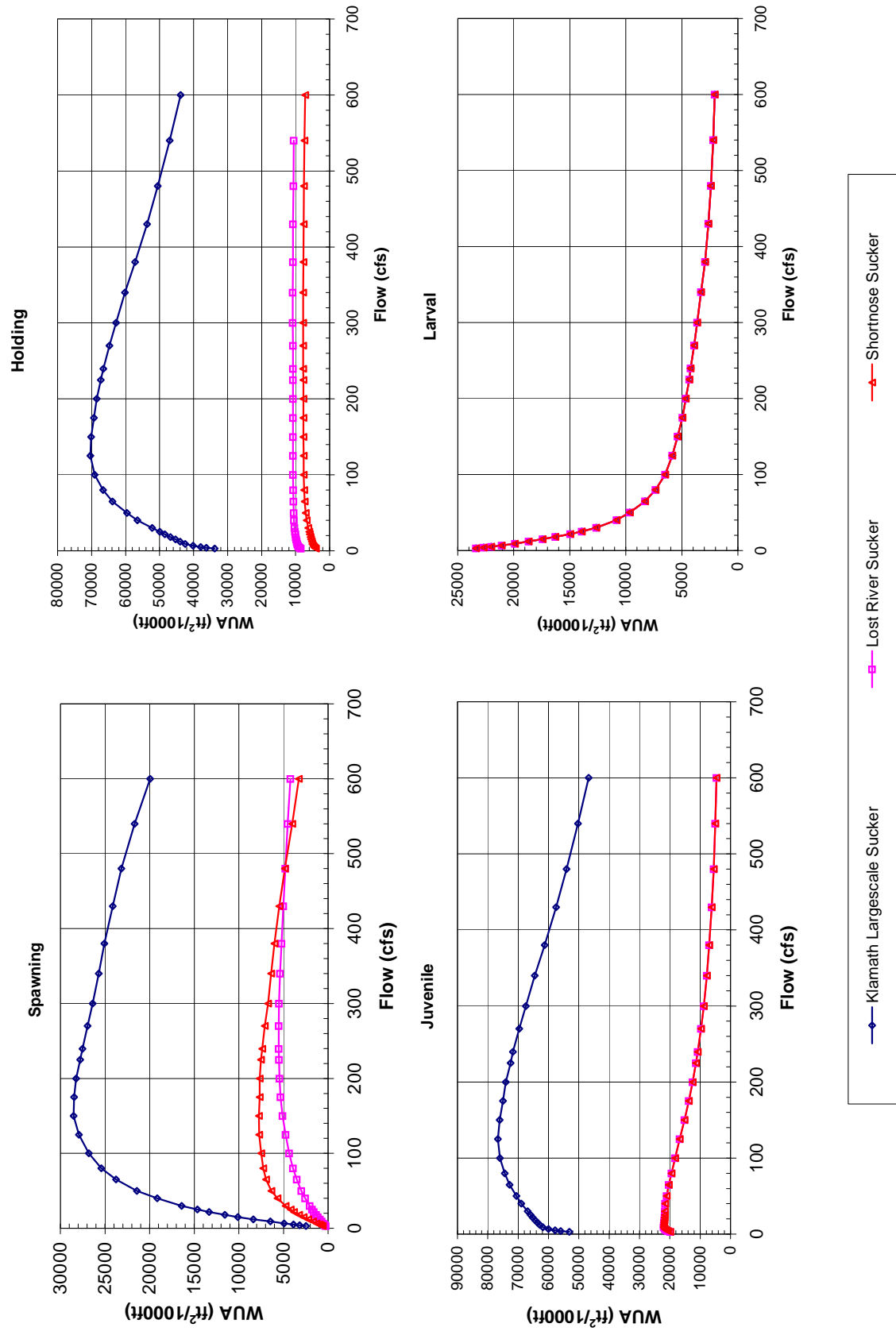
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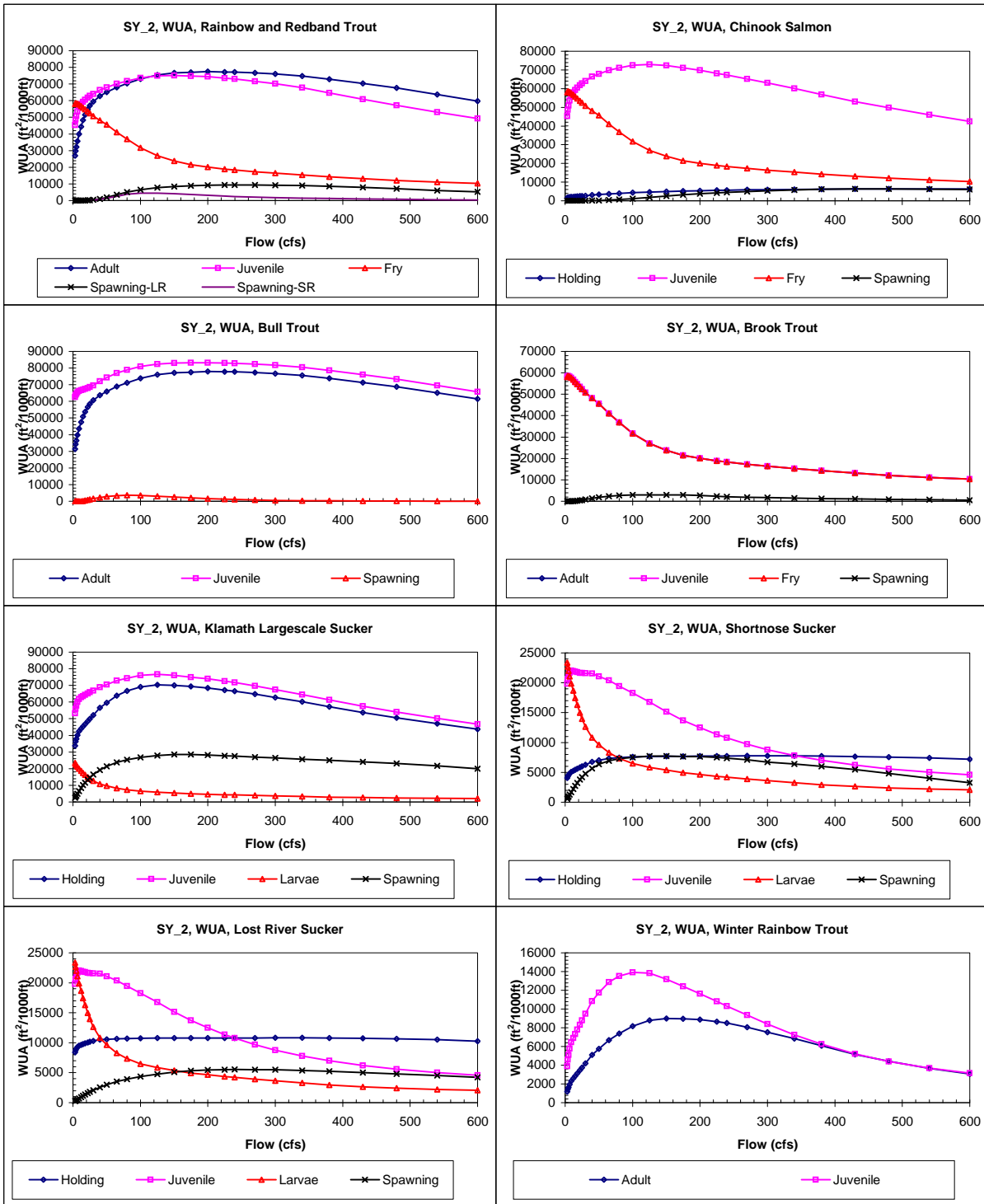
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Site SY 2 Priority Species Habitat - Flow Curves



Site SY 2
Priority Species Habitat - Flow Curves





Claim Reach 659 Sycan River, Site 2, Composite WUA

Claim Reach 659 Sycan River, Site 2, Composite WUA

Q (cfs)	WUA (ft ² /1000ft)			Spawning - Spawning - Large River Small River		
	Adult	Juvenile	Fry	Adult	Juvenile	Fry
3	27007	45290	58006	0	0	0
4	29841	48695	58498	0	0	0
5	32244	50923	58376	0	0	0
6.6	35673	53611	58141	0	0	0
9	39898	56346	57628	0	0	0
12	44406	58028	57628	0	0	0
15	48332	59319	57226	0	0	0
18	51552	60595	54757	29	21	87
21.8	54890	61839	53517	67	65	162
25	57062	62828	52427	116	162	216
30	59460	64092	50735	439	329	439
33	62096	65626	49129	937	671	871
36.6	64984	67367	47584	1621	1214	1621
40	68069	70156	41097	2442	2580	3424
43.3	70419	71853	36872	3759	3759	4409
46.6	73111	73887	31734	6569	4409	6569
50	75436	74943	26942	7771	4494	7771
53.3	76630	75181	23789	8465	4171	8465
56.6	77057	74798	21485	8868	3678	8868
60	77436	74415	20044	9141	3166	9141
63.3	77166	73446	18839	9367	2682	9367
66.6	77192	73045	18381	9384	2448	9384
70	76705	71697	17299	9345	2024	9345
73.3	76013	70212	16423	9256	1766	9256
76.6	74811	67790	15320	9021	1452	9021
80	72943	64672	14259	8489	1193	8489
83.3	70306	60786	13130	7860	915	7860
86.6	67581	57127	12102	7164	727	7164
90	63658	53039	11129	6035	502	6035
93.3	59731	49274	10329	5155	330	5155

Q (cfs)	WUA (ft ² /1000ft)			Holding Juvenile Fry Spawning		
	Adult	Juvenile	Fry	Adult	Juvenile	Fry
3	1530	45290	58006	0	0	0
4	1680	48695	58498	0	0	0
5	1785	50923	58376	0	0	0
6.6	1923	53611	58141	0	0	0
9	2067	56346	57628	0	0	0
12	2162	58028	57628	0	0	0
15	2255	59319	57226	0	0	0
18	2355	60595	54757	0	0	0
21.8	2469	61839	53517	0	0	0
25	2573	62828	52427	7	7	7
30	2737	64092	50735	19	19	19
33	2874	65626	49129	39	39	39
36.6	3027	67367	47584	67	67	67
40	3203	69388	41097	109	109	109
43.3	3393	71166	36872	172	172	172
46.6	3606	72516	31734	258	258	258
50	3863	73015	26942	375	375	375
53.3	4163	73278	23789	502	502	502
56.6	4514	71067	21485	678	678	678
60	4939	69896	20044	915	915	915
63.3	5447	68201	18839	1214	1214	1214
66.6	6057	67332	18381	1621	1621	1621
70	6806	65202	17299	2148	2148	2148
73.3	7719	63040	16423	2864	2864	2864
76.6	8811	60151	15320	3867	3867	3867
80	10151	56882	14259	5155	5155	5155
83.3	11851	53117	13130	6989	6989	6989
86.6	13941	49744	12102	9545	9545	9545
90	16584	45956	11129	13130	13130	13130
93.3	19929	42529	10329	17299	17299	17299

Chinook Salmon

Q (cfs)	WUA (ft ² /1000ft)			Spawning - Spawning - Large River Small River		
	Adult	Juvenile	Fry	Adult	Juvenile	Fry
3	31367	62648	0	0	0	0
4	34203	63885	0	0	0	0
5	36510	64550	0	0	0	0
6.6	38724	65374	3	3	3	3
9	43550	66176	18	18	18	18
12	47477	66667	65	65	65	65
15	50876	67064	214	214	214	214
18	53686	67507	436	436	436	436
21.8	56605	68027	786	786	786	786
25	59530	68611	1093	1093	1093	1093
30	60718	69582	1544	1544	1544	1544
40	63746	72143	2286	2286	2286	2286
50	65987	74335	3074	3074	3074	3074
60	68874	76079	3550	3550	3550	3550
70	71156	78085	4284	4284	4284	4284
80	73065	80373	5266	5266	5266	5266
90	74695	82173	6590	6590	6590	6590
125	77118	83102	2532	2532	2532	2532
150	77549	83124	2049	2049	2049	2049
175	77966	83249	1606	1606	1606	1606
200	77959	82951	1214	1214	1214	1214
225	77759	82946	1040	1040	1040	1040
239.7	77802	82946	722	722	722	722
270	77348	82424	546	546	546	546
300	76700	81683	379	379	379	379
340	75573	80441	257	257	257	257
380	73836	78565	153	153	153	153
430	71382	76009	82	82	82	82
480	68804	73309	41	41	41	41
540	65120	69545	16	16	16	16
600	61422	65825	38	38	38	38

Q (cfs)	WUA (ft ² /1000ft)			Adult Juvenile Fry Spawning		
	Adult	Juvenile	Fry	Adult	Juvenile	Fry
3	58006	58006	58006	0	0	0
4	58498	58498	58498	0	0	0
5	58376	58376	58376	0	0	0
6.6	58141	58141	58141	0	0	0
9	57628	57628	57628	10	10	10
12	56766	56766	56766	44	44	44
15	55726	55726	55726	106	106	106
18	54757	54757	54757	214	214	214
21.8	53517	53517	53517	389	389	389
25	52427	52427	52427	551	551	551
30	50735	50735	50735	825	825	825
40	48129	48129	48129	1330	1330	1330
50	45647	45647	45647	1820	1820	1820
60	41087	41087	41087	2327	2327	2327
80	34672	34672	34672	2755	2755	2755
100	28044	28044	28044	2682	2682	2682
125	26044	26044	26044	2096	2096	2096
150	23786	23786	23786	3005	3005	3005
175	21485	21485	21485	2898	2898	2898
200	20044	20044	20044	2712	2712	2712
225	18839	18839	18839	2371	2371	2371
239.7	18381	18381	18381	2117	2117	2117
270	17299	17299	17299	1846	1846	1846
300	16423	16423	16423	1704	1704	1704
340	15320	15320	15320	1484	1484	1484
380	14259	14259	14259	1275	1275	1275
430	13130	13130	13130	1092	1092	1092
480	12102	12102	12102	836	836	836
540	11129	11129	11129	699	699	699
600	10329	10329	10329	492	492	492

Brook Trout

Bull Trout

Claim Reach 659 Sycan River, Site 2, Composite WUA

Q		WUA (ft ² /000ft)			
(cfs)		Holding	Juvenile	Larvae	Spawning
3	33781	53168	23375	23375	2488
4	36229	56012	22684	3185	3185
5	37934	57844	21986	3868	3868
6	40113	59882	21072	4928	4928
9	42443	61810	19897	6488	6488
12	43984	62829	18676	8388	8388
15	45327	63896	17428	10104	10104
18	46773	64958	16262	11581	11581
21.8	48422	65179	14961	13341	13341
25	49913	65889	13937	14642	14642
30	51560	66807	12831	16413	16413
35	53344	67947	11637	18744	18744
40	55244	70347	10347	21434	21434
45	57244	72922	8990	23750	23750
50	59340	75737	7347	25612	25612
55	61540	78791	5483	27033	27033
60	63840	81991	3423	28014	28014
65	66240	85336	1263	28514	28514
70	68740	88827	-843	28514	28514
75	71340	92464	-2443	28462	28462
80	74040	96247	-3443	28219	28219
85	76840	100176	-4443	27769	27769
90	79740	104261	-5443	27169	27169
95	82740	108502	-6443	26528	26528
100	85840	112909	-7443	25847	25847
105	89040	117492	-8443	25126	25126
110	92340	122251	-9443	24365	24365
115	95740	127176	-10443	23564	23564
120	99240	132267	-11443	22723	22723
125	102840	137524	-12443	21842	21842
130	106540	142947	-13443	20921	20921
135	110340	148536	-14443	20000	20000
140	114240	154291	-15443	19079	19079
145	118240	160212	-16443	18158	18158
150	122340	166309	-17443	17237	17237
155	126540	172582	-18443	16316	16316
160	130840	179031	-19443	15395	15395
165	135240	185656	-20443	14474	14474
170	139740	192457	-21443	13553	13553
175	144340	199434	-22443	12632	12632
180	149040	206587	-23443	11711	11711
185	153840	213916	-24443	10790	10790
190	158740	221421	-25443	9869	9869
195	163740	229102	-26443	8948	8948
200	168840	236959	-27443	8027	8027
205	174040	245002	-28443	7106	7106
210	179340	253231	-29443	6185	6185
215	184740	261646	-30443	5264	5264
220	190240	270247	-31443	4343	4343
225	195840	279034	-32443	3422	3422
230	201540	288007	-33443	2501	2501
235	207340	297166	-34443	1580	1580
240	213240	306511	-35443	659	659
245	219240	316042	-36443	-262	-262
250	225340	325859	-37443	-1143	-1143
255	231540	335962	-38443	-1664	-1664
260	237840	346351	-39443	-2185	-2185
265	244240	357026	-40443	-2706	-2706
270	250740	367987	-41443	-3227	-3227
275	257340	379234	-42443	-3748	-3748
280	264040	390767	-43443	-4269	-4269
285	270840	402586	-44443	-4790	-4790
290	277740	414691	-45443	-5311	-5311
295	284740	427082	-46443	-5832	-5832
300	291840	439759	-47443	-6353	-6353
305	299040	452722	-48443	-6874	-6874
310	306340	465971	-49443	-7395	-7395
315	313740	479506	-50443	-7916	-7916
320	321240	493327	-51443	-8437	-8437
325	328840	507434	-52443	-8958	-8958
330	336540	521827	-53443	-9479	-9479
335	344340	536506	-54443	-10000	-10000
340	352240	551471	-55443	-10521	-10521
345	360240	566722	-56443	-11042	-11042
350	368340	582259	-57443	-11563	-11563
355	376540	598082	-58443	-12084	-12084
360	384840	614191	-59443	-12605	-12605
365	393240	630586	-60443	-13126	-13126
370	401740	647267	-61443	-13647	-13647
375	410340	664234	-62443	-14168	-14168
380	419040	681487	-63443	-14689	-14689
385	427840	699026	-64443	-15210	-15210
390	436740	716851	-65443	-15731	-15731
395	445740	734962	-66443	-16252	-16252
400	454840	753359	-67443	-16773	-16773
405	464040	772042	-68443	-17294	-17294
410	473340	791011	-69443	-17815	-17815
415	482740	810266	-70443	-18336	-18336
420	492240	829807	-71443	-18857	-18857
425	501840	849634	-72443	-19378	-19378
430	511540	869747	-73443	-19900	-19900
435	521340	890146	-74443	-20421	-20421
440	531240	910831	-75443	-20942	-20942
445	541240	931802	-76443	-21463	-21463
450	551340	953059	-77443	-21984	-21984
455	561540	974602	-78443	-22505	-22505
460	571840	996431	-79443	-23026	-23026
465	582240	1016546	-80443	-23547	-23547
470	592740	1036987	-81443	-24068	-24068
475	603340	1057754	-82443	-24589	-24589
480	614040	1078847	-83443	-25110	-25110
485	624840	1100266	-84443	-25631	-25631
490	635740	1122011	-85443	-26152	-26152
495	646740	1144082	-86443	-26673	-26673
500	657840	1166479	-87443	-27194	-27194
505	669040	1189202	-88443	-27715	-27715
510	680340	1212251	-89443	-28236	-28236
515	691740	1235626	-90443	-28757	-28757
520	703240	1259327	-91443	-29278	-29278
525	714840	1283354	-92443	-29800	-29800
530	726540	1307707	-93443	-30321	-30321
535	738340	1332386	-94443	-30842	-30842
540	750240	1357391	-95443	-31363	-31363
545	762240	1382722	-96443	-31884	-31884
550	774340	1408379	-97443	-32405	-32405
555	786540	1434362	-98443	-32926	-32926
560	798840	1460681	-99443	-33447	-33447
565	811240	1487336	-100443	-33968	-33968
570	823740	1514327	-101443	-34489	-34489
575	836340	1541654	-102443	-35010	-35010
580	849040	1569317	-103443	-35531	-35531
585	861840	1597316	-104443	-36052	-36052
590	874740	1625651	-105443	-36573	-36573
595	887740	1654322	-106443	-37094	-37094
600	900840	1683329	-107443	-37615	-37615

Q		WUA (ft ² /000ft)			
(cfs)		Holding	Juvenile	Larvae	Spawning
3	4043	19820	23375	23375	596
4	4342	20643	22684	22684	789
5	4552	21140	21986	21986	977
6	4682	21660	21072	21072	1271
9	5081	22053	19897	19897	1694
12	5244	21968	18676	18676	2219
15	5431	21851	17428	17428	2749
18	5619	21784	16262	16262	3236
21.8	5822	21662	14861	14861	3804
25	6006	21624	13837	13837	4198
30	6273	21583	12831	12831	4766
35	6514	21543	11837	11837	5340
40	6729	21507	10847	10847	5924
45	6918	21483	9869	9869	6516
50	7081	21469	8902	8902	7116
55	7218	21466	7947	7947	7722
60	7330	21473	7004	7004	8334
65	7418	21490	6072	6072	8952
70	7483	21517	5151	5151	9576
75	7525	21554	4241	4241	10206
80	7546	21601	3341	3341	10842
85	7546	21658	2451	2451	11484
90	7525	21725	1571	1571	12142
95	7483	21801	691	691	12816
100	7421	21886	-199	-199	13506
105	7339	21991	-1099	-1099	14212
110	7238	22116	-2199	-2199	14934
115	7119	22261	-3300	-3300	15672
120	6983	22426	-4400	-4400	16426
125	6831	22611	-5500	-5500	17196
130	6664	22816	-6600	-6600	18082
135	6483	23041	-7700	-7700	18984
140	6288	23286	-8800	-8800	19902
145	6080	23551	-9900	-9900	20836
150	5859	23836	-11000	-11000	21786
155	5627	24141	-12100	-12100	22752
160	5385	24466	-13200	-13200	23734
165	5134	24811	-14300	-14300	24732
170	4875	25176	-15400	-15400	25746
175	4609	25561	-16500	-16500	26776
180	4337	25966	-17600	-17600	27822
185	4061	26391	-18700	-18700	28884
190	3782	26836	-19800	-19800	29962
195	3501	27301	-20900	-20900	31056
200	3219	27786	-22000	-22000	32166
205	2937	28291	-23100	-23100	33292
210	2655	28816	-24200	-24200	34434
215	2374	29361	-25300	-25300	35592
220	2094	29926	-26400	-26400	36766
225	1816	30511	-27500	-27500	37956
230	1540	31116	-28600	-28600	39162
235	1267	31741	-29700	-29700	40384
240	1000	32386	-30800	-30800	41622
245	739	33051	-31900	-31900	42876
250	485	33736	-33000	-33000	44146
255	238	34441	-34100	-34100	45432
260	-11	35166	-35200	-35200	46734
265	-161	35911	-36300	-36300	48052
270	-312	36676	-37400	-37400	49386
275	-464	37461	-38500	-38500	50736
280	-617	38266	-39600	-39600	52102
285	-771	39091	-40700	-40700	53484
290	-926	39936	-41800	-41800	54882
295	-1082	40801	-42900	-42900	56296
300	-1239	41686	-44000	-44000	57726
305	-1397	42591	-45100	-45100	59172
310	-1556	43516	-46200	-46200	60634