

12-4-2009

Ex. 280-US-439

Unknown

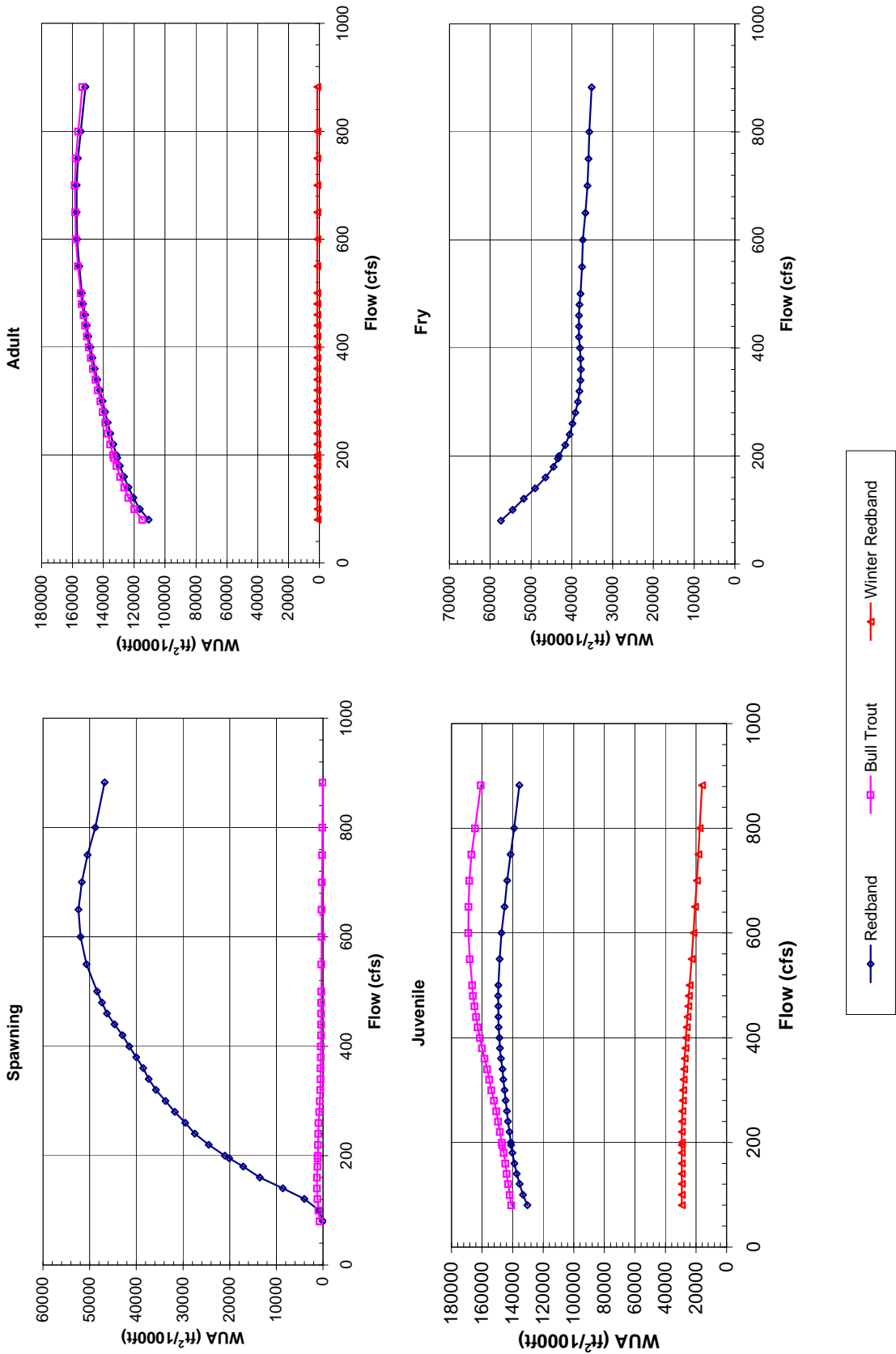
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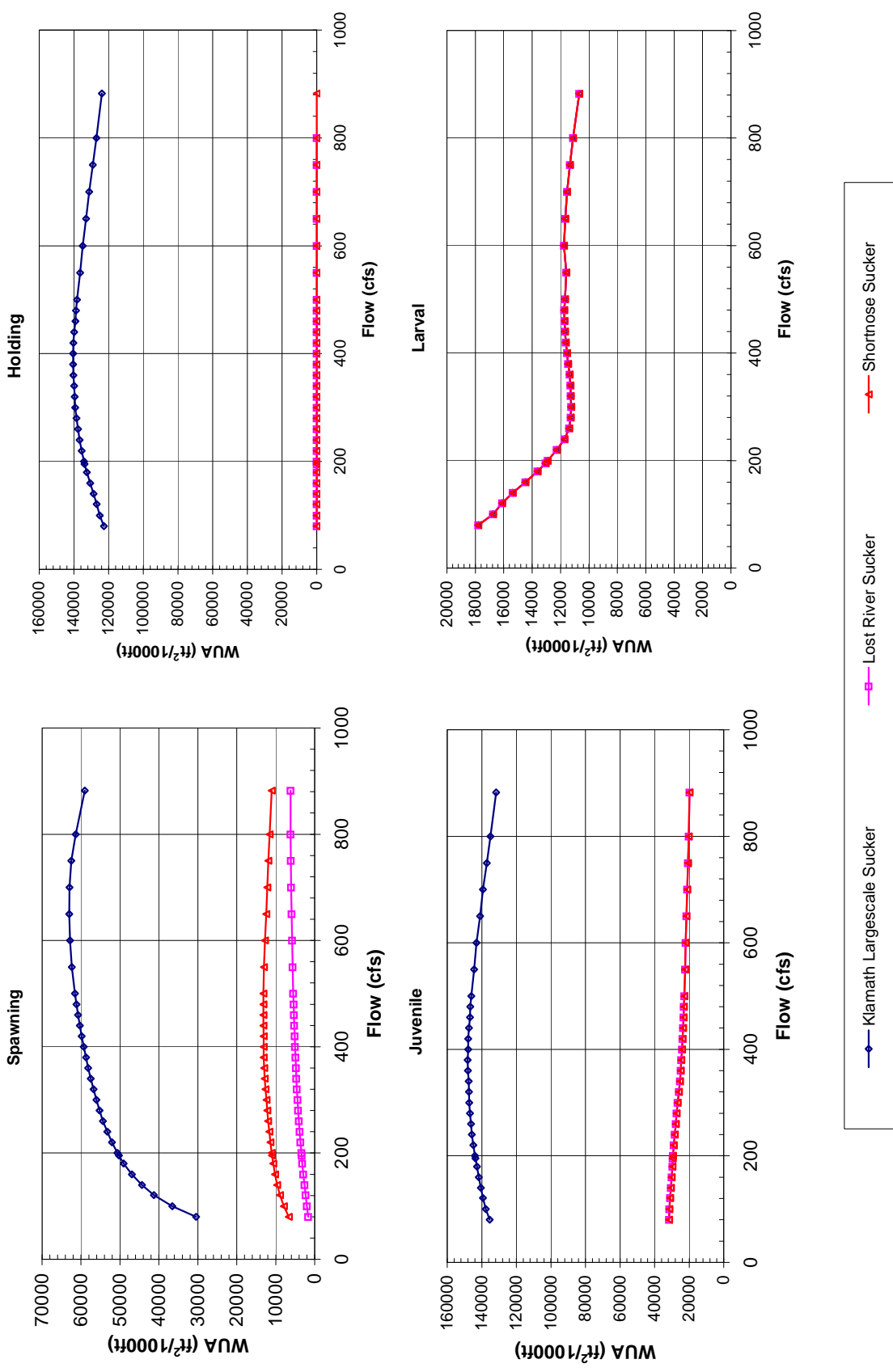
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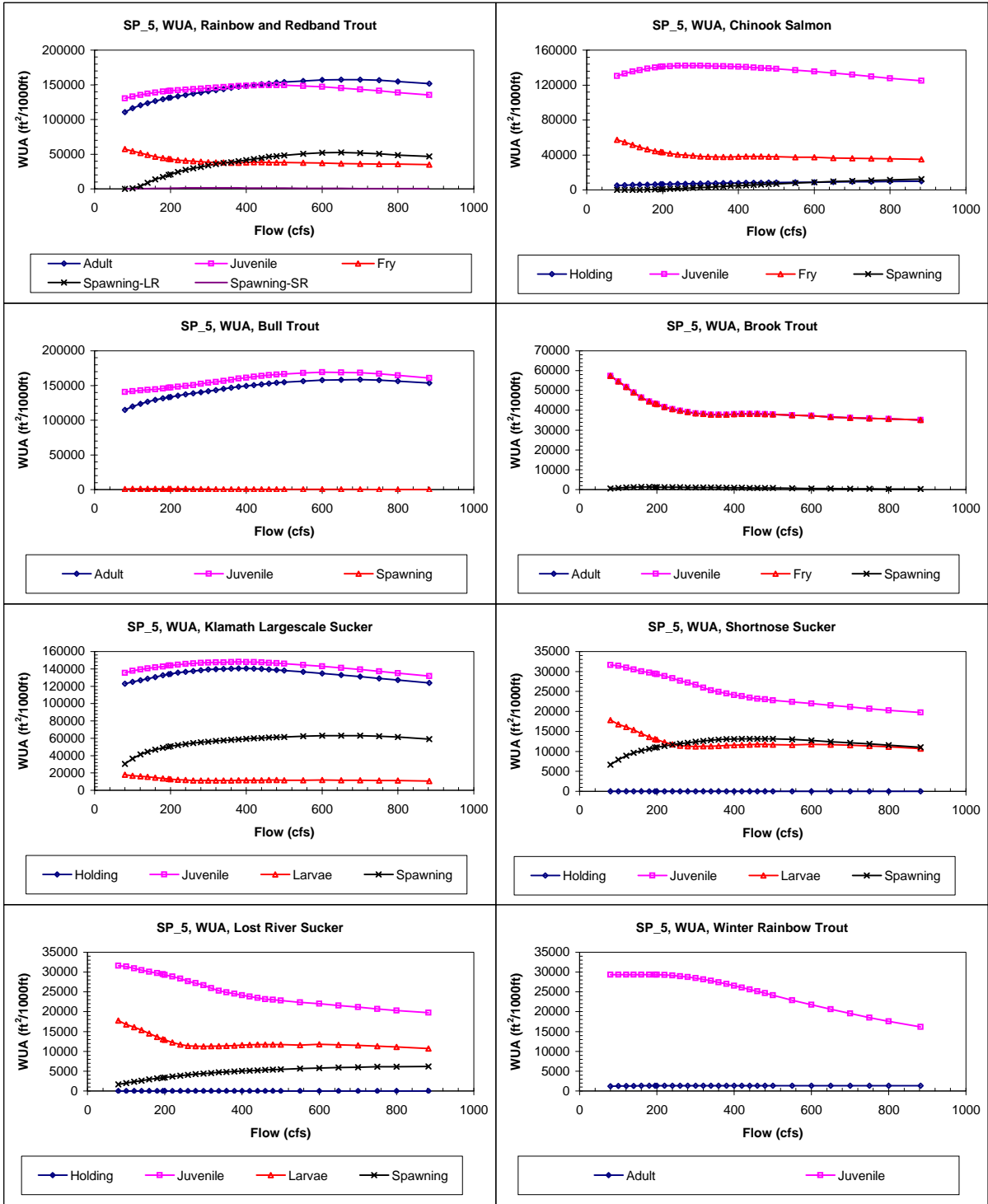
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Site 645
Priority Species Habitat - Flow Curves



Site 645
Priority Species Habitat - Flow Curves





Claim Reach 645 Sprague River, Site 5, Composite WUA

Q (cfs)	WUA (ft ² /1000ft)			Spawning - Spawning -			Q (cfs)	WUA (ft ² /1000ft)		
	Adult	Juvenile	Fry	Large River	Small River	Chinook Salmon		Adult	Juvenile	Fry
80	110602	130411	57380	0	0	80	5273	130411	57380	227
100	116344	133194	54505	842	42	100	5516	133194	54505	875
120.8	120576	136410	51747	3992	195	120.8	5721	136410	51747	1204
140	123728	137207	48996	8594	457	140	5941	137207	48996	1542
160	126673	136890	46409	13516	701	160	6118	136890	46409	1890
180	129243	140123	44465	17104	840	180	6342	140122	44465	2227
195.1	131046	141067	43415	20097	947	195.1	6504	140991	43415	2608
200	131575	141270	43134	21062	987	200	6537	141167	43134	3024
220	133555	142088	41622	24465	1173	220	6722	141708	41622	3358
240	135428	142975	40547	27479	1334	240	6886	142157	40547	3650
260	137128	143763	39815	29549	1451	260	7027	142276	39815	3839
280	138798	144515	39098	31734	1492	280	7184	142270	39098	3955
300	140533	145331	38471	33738	1479	300	7334	142257	38471	4032
320	142243	146021	38141	35787	1492	320	7454	141949	38141	4079
340	143887	146689	37838	37377	1514	340	7576	141611	37838	4103
360	145562	147613	37374	38525	1410	360	7726	141590	37374	4115
380	147088	148268	37827	39997	1344	380	7858	141371	37827	4128
400	148367	148639	37998	41502	1312	400	7963	140924	37998	4138
420	149699	149184	38227	42960	1239	420	8089	140743	38227	4148
440	150841	149355	38240	44654	1207	440	8187	140175	38240	4156
460	151842	149302	38208	46281	1170	460	8267	139429	38208	4167
480	153068	149463	38107	47929	1079	480	8377	139160	38107	4175
500	153907	149266	37898	49381	1025	500	8459	138514	37898	4147
550	156654	148417	37482	50670	866	550	8672	137017	37482	4061
600	156957	147260	37289	51973	720	600	8694	135671	37289	3835
650	157269	146240	36646	52390	613	650	9072	133625	36646	3423
700	157351	143499	36134	51684	502	700	9269	131953	36134	2892
750	156478	141418	35899	50434	430	750	9438	129910	35899	2575
800	154717	139895	35698	48801	355	800	9608	127825	35698	2200
882.3	151630	135535	35107	46803	251	882.3	9893	124843	35107	1943

Q (cfs)	WUA (ft ² /1000ft)			Spawning - Spawning			Q (cfs)	WUA (ft ² /1000ft)		
	Adult	Juvenile	Fry	Large River	Small River	Bull Trout		Adult	Juvenile	Fry
80	114749	140785	726	726	951	80	57380	57380	57380	3765
100	119900	141825	1187	1187	1187	100	54505	54505	54505	8168
120.8	123711	142900	1293	1293	1293	120.8	51747	51747	51747	9439
140	126519	143869	1283	1283	1283	140	48996	48996	48996	10445
160	129175	144683	1190	1190	1190	160	46409	46409	46409	11157
180	131504	145797	1099	1099	1099	180	44465	44465	44465	11646
195.1	133160	146823	1114	1114	1114	195.1	43415	43415	43415	11925
200	133632	147069	1039	1039	1039	200	43134	43134	43134	12167
220	135450	148285	978	978	978	220	41622	41622	41622	12040
240	137182	149448	916	916	916	240	40547	40547	40547	11706
260	138749	150717	854	854	854	260	39815	39815	39815	11271
280	140312	152285	794	794	794	280	39098	39098	39098	10890
300	141943	153852	645	645	645	300	38471	38471	38471	10434
320	143527	155278	566	566	566	320	38141	38141	38141	10003
340	145066	156605	513	513	513	340	37838	37838	37838	9533
360	146699	158337	475	475	475	360	37734	37734	37734	8913
380	148158	159982	452	452	452	380	37827	37827	37827	8330
400	149383	161349	433	433	433	400	37998	37998	37998	7609
420	150678	162816	414	414	414	420	38227	38227	38227	6868
440	151775	163914	395	395	395	440	38240	38240	38240	6101
460	152731	164858	381	381	381	460	38208	38208	38208	4776
480	153918	165879	363	363	363	480	38107	38107	38107	4141
500	154729	166472	346	346	346	500	37888	37888	37888	2783
550	156462	167923	318	318	318	550	37492	37492	37492	1867
600	157809	169047	278	278	278	600	37289	37289	37289	1291
650	158216	169881	250	250	250	650	36646	36646	36646	925
700	158438	168351	217	217	217	700	36134	36134	36134	740
750	157764	166896	174	174	174	750	35699	35699	35699	622
800	156263	164634	136	136	136	800	35698	35698	35698	435
882.3	153621	160848	82	82	82	882.3	35107	35107	35107	363

Claim Reach 645 Sprague River, Site 5, Composite WUA

Q (cfs)	WUA (ft ² /1000ft)			
	Holding	Juvenile	Larvae	Spawning
80	122761	135482	17799	30044
100	125019	137670	16756	36639
120.8	126892	139368	16113	41259
140	128651	140470	15372	44359
160	130552	141685	14483	46919
180	132592	142809	13623	49065
195.1	133863	143731	13088	50272
200	134169	143912	12913	50685
220	135596	144847	12267	52029
240	136725	145705	11729	53261
260	137547	146239	11400	54366
280	138501	146805	11280	55245
300	139239	147256	11243	56019
320	139571	147394	11290	56796
340	139663	147566	11307	57498
360	140339	147944	11356	58140
380	140514	148100	11463	58707
400	140381	147900	11547	59275
420	140250	147833	11637	59805
440	139769	147448	11685	60284
460	139176	146885	11722	60731
480	138942	146679	11734	61152
500	138160	146003	11682	61540
550	136455	144415	11586	62366
600	134893	143010	11761	62833
650	132971	141043	11673	63031
700	131191	139331	11532	62983
750	129067	137142	11340	62497
800	127021	134987	11128	61326
882.3	123837	131656	10685	59032

Q (cfs)	WUA (ft ² /1000ft)			
	Holding	Juvenile	Larvae	Spawning
80	0	31620	17799	6657
100	0	31417	16756	7899
120.8	0	30967	16113	8934
140	0	30501	15372	9642
160	0	30077	14483	10191
180	0	29723	13623	10658
195.1	0	29456	13058	10944
200	0	29289	12913	11045
220	0	28868	12267	11364
240	0	28333	11729	11660
260	0	27698	11400	11856
280	0	27195	11290	12181
300	0	26662	11243	12395
320	0	25961	11290	12608
340	0	25307	11307	12799
360	0	24909	11356	12960
380	0	24530	11463	13068
400	0	24125	11547	13102
420	0	23815	11637	13124
440	0	23475	11685	13136
460	0	23188	11722	13149
480	0	23025	11734	13160
500	0	22797	11682	13136
550	0	22376	11586	13004
600	0	22009	11761	12764
650	0	21528	11673	12408
700	0	21151	11532	12177
750	0	20696	11340	11871
800	0	20261	11128	11568
882.3	0	19741	10685	11013

Q (cfs)	WUA (ft ² /1000ft)			
	Holding	Juvenile	Fry	Spawning
80	1214	29333		
100	1241	29333		
120.8	1269	29333		
140	1292	29333		
160	1314	29333		
180	1333	29333		
195.1	1333	29333		
200	1333	29270		
220	1333	29270		
240	1333	29154		
260	1333	28930		
280	1333	28720		
300	1333	28473		
320	1333	28145		
340	1333	27800		
360	1333	27418		
380	1333	26997		
400	1333	26554		
420	1333	26107		
440	1333	25636		
460	1333	25148		
480	1333	24686		
500	1333	24154		
550	1333	22900		
600	1333	21742		
650	1333	20647		
700	1333	19574		
750	1333	18530		
800	1333	17598		
882.3	1333	16178		

Q (cfs)	WUA (ft ² /1000ft)			
	Holding	Juvenile	Larvae	Spawning
80	0	31620	17799	1664
100	0	31417	16756	1986
120.8	0	30967	16113	2332
140	0	30501	15372	2632
160	0	30077	14483	2904
180	0	29723	13623	3162
195.1	0	29456	13088	3349
200	0	29289	12913	3418
220	0	28868	12267	3647
240	0	28333	11729	3866
260	0	27698	11400	4058
280	0	27195	11290	4236
300	0	26662	11243	4401
320	0	25961	11290	4555
340	0	25307	11307	4700
360	0	24909	11356	4812
380	0	24530	11463	4918
400	0	24125	11547	5029
420	0	23815	11637	5121
440	0	23475	11685	5222
460	0	23188	11722	5324
480	0	23025	11734	5410
500	0	22797	11682	5486
550	0	22376	11586	5659
600	0	22009	11761	5799
650	0	21528	11673	5929
700	0	21151	11532	6021
750	0	20696	11340	6094
800	0	20261	11128	6152
882.3	0	19741	10685	6199