

12-8-2009

Ex. 279-US-430

Unknown

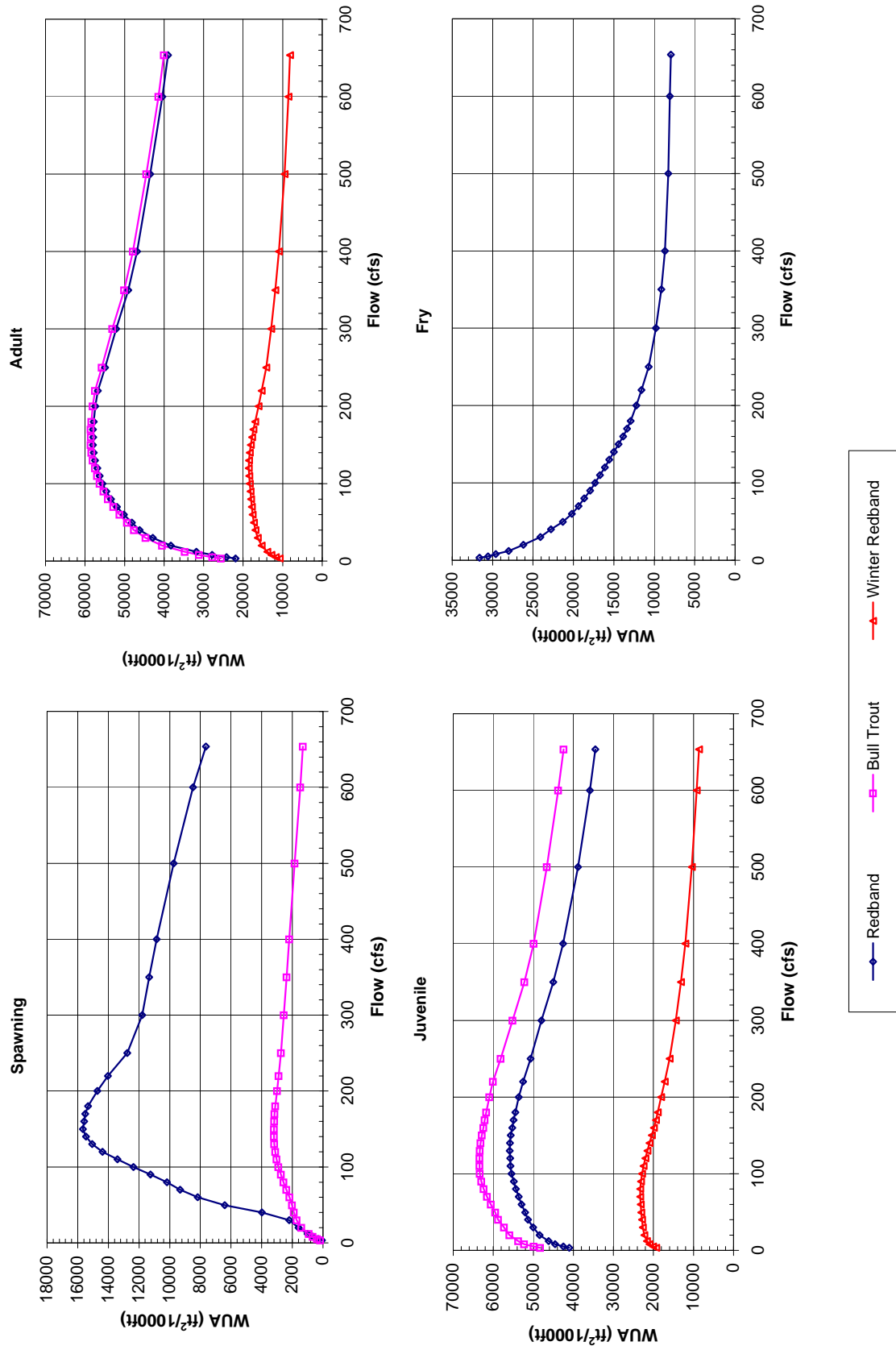
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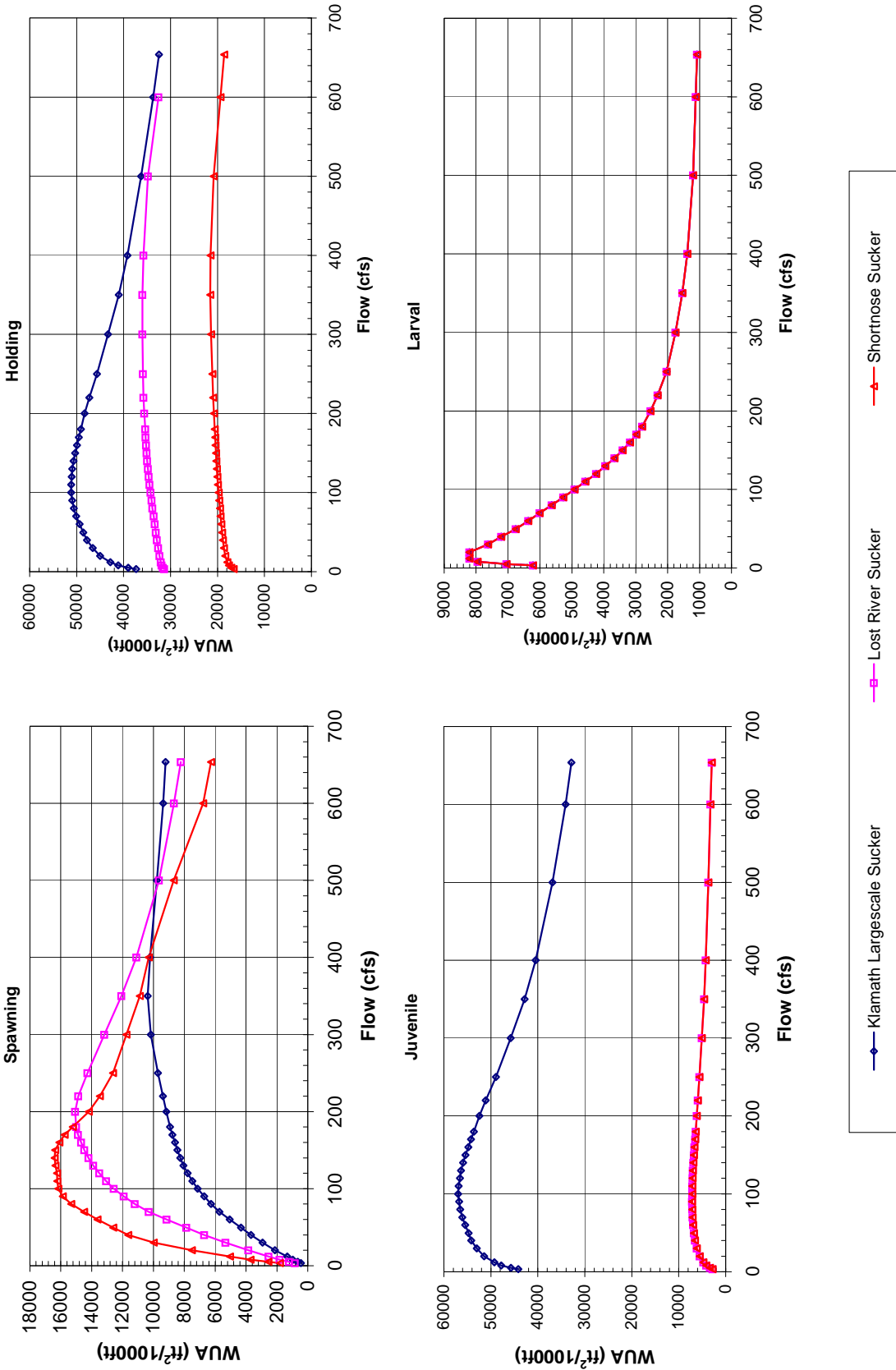
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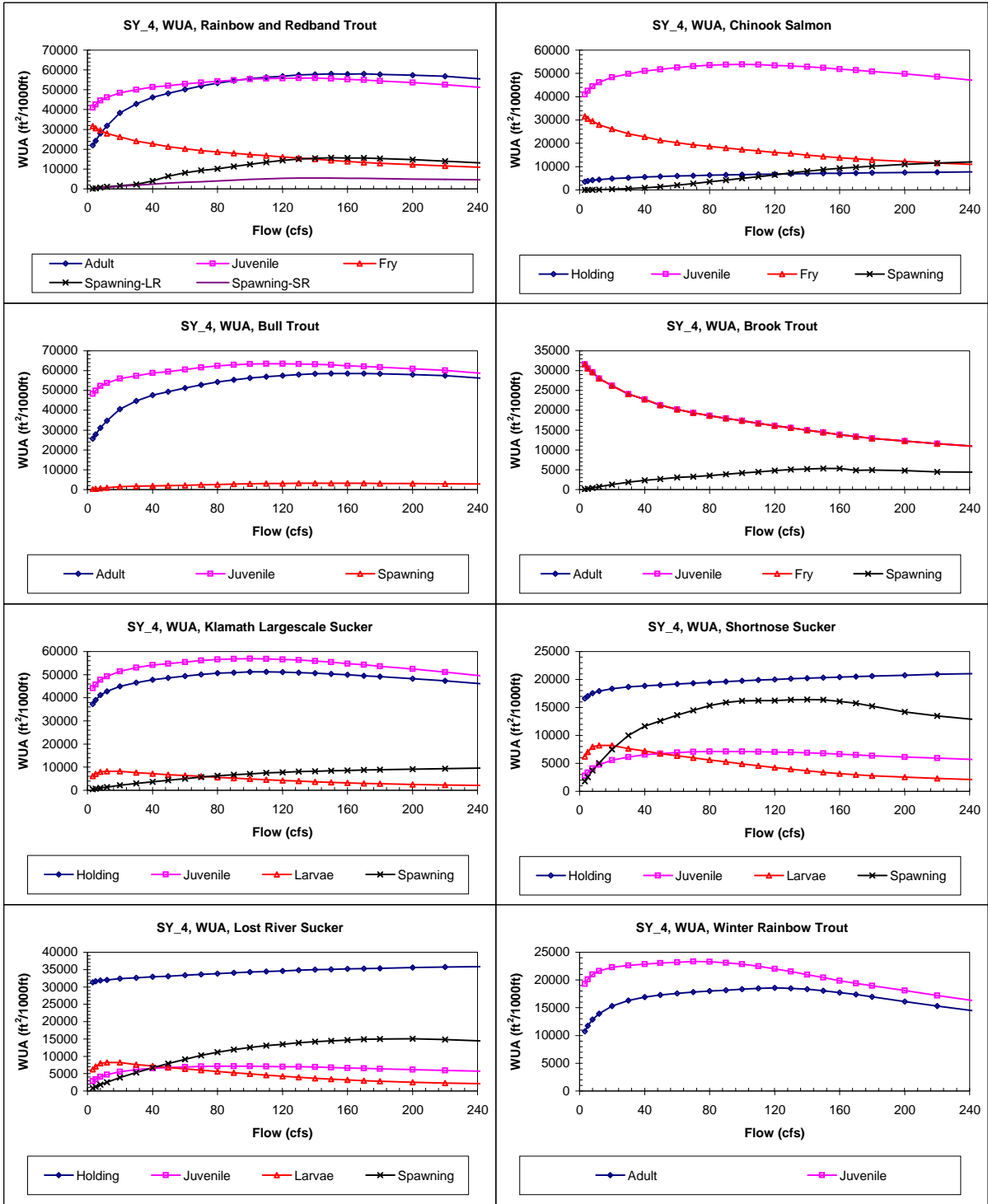
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Site SY 4 Priority Species Habitat - Flow Curves



Site SY 4
Priority Species Habitat - Flow Curves





Claim Reach 661 Sycan River, Site 4, Composite WUA

	WUA (ft ² /1000ft)				
	Q	Spawning - Spawning -			
	(cfs)	Adult	Juvenile	Fry	Large River
3.3	21943	41025	31614	68	60
5	24229	42532	30550	321	270
8	27881	44551	29598	656	552
12	31818	46204	28001	1002	861
20	38287	48410	26207	1601	1397
30	42893	50036	24087	2204	1863
40	46192	51342	22766	3980	2458
49.6	48134	52057	21300	6403	2988
60	50176	52906	20208	8181	3381
70	51921	53633	19357	9323	3644
80	53423	54329	18657	10174	3947
90	54615	54860	17945	11258	4380
100	55594	55423	17336	12357	4782
110	56301	55675	16729	13412	5114
120	56888	55774	16127	14377	5379
130	57447	55877	15575	15063	5503
140	57803	55829	14996	15458	5486
150	57998	55626	14413	15661	5491
160	57949	55230	13839	15581	5361
170	57972	54900	13354	15508	5304
180	57804	54470	12917	15317	5205
200	57419	53651	12229	14726	4946
220	56780	52574	11572	14022	4766
250	54943	50657	10702	12760	4490
300	52127	47975	9780	11798	4329
350	49063	45021	9133	11333	4199
400	46813	42559	8684	10848	4051
500	43532	38811	8274	9745	3747
600	40460	35877	8056	8471	3250
653.7	39037	34499	7945	7645	2980

	WUA (ft ² /1000ft)			
	Q	Spawning		
	(cfs)	Holding	Juvenile	Fry
3.3	3541	41025	31614	0
5	3814	42531	30550	11
8	4156	44528	29598	52
12	4470	46137	28001	144
20	4897	48284	26207	357
30	5263	49852	24087	596
40	5541	51083	22766	853
49.6	5755	51742	21300	1307
60	5957	52517	20208	2007
70	6132	53071	19357	2739
80	6291	53526	18657	3482
90	6431	53746	17945	4227
100	6567	53879	17336	4972
110	6684	53735	16729	5711
120	6795	53480	16127	6495
130	6905	53235	15575	7337
140	7008	52875	14996	8041
150	7097	52418	14413	8707
160	7180	51858	13839	9229
170	7265	51401	13354	9749
180	7344	50865	12917	10203
200	7496	49834	12229	10952
220	7633	48605	11572	11540
250	7805	46544	10702	12180
300	8040	43657	9780	12334
350	8167	40807	9133	11193
400	8226	38436	8684	10587
500	8082	34806	8274	9842
600	7789	32055	8056	9465
653.7	7633	30795	7945	9324

	WUA (ft ² /1000ft)			
	Q	Spawning		
	(cfs)	Adult	Juvenile	Fry
3.3	25647	48281		178
5	27813	49912		381
8	31207	52259		667
12	34744	53765		921
20	40527	55970		1415
30	44659	57302		1722
40	47641	58773		1905
49.6	49385	59496		2012
60	51248	60582		2184
70	52848	61584		2394
80	54239	62423		2581
90	55343	62964		2745
100	56271	63339		2910
110	56940	63461		3025
120	57495	63441		3106
130	58035	63385		3183
140	58379	63195		3200
150	58571	62883		3195
160	58532	62476		3177
170	58558	62165		3170
180	58404	61774		3116
200	58064	60988		2999
220	57477	60107		2892
250	55774	58147		2745
300	53094	55190		2554
350	50127	52211		2369
400	47876	49912		2211
500	44476	46630		1851
600	41425	43821		1485
653.7	40029	42452		1307

	WUA (ft ² /1000ft)			
	Q	Spawning		
	(cfs)	Adult	Juvenile	Fry
3.3	31614	31614	31614	87
5	30550	30550	30550	211
8	29598	29598	29598	422
12	28001	28001	28001	708
20	26207	26207	26207	1276
30	24087	24087	24087	1842
40	22766	22766	22766	2316
49.6	21300	21300	21300	2638
60	20208	20208	20208	3033
70	19357	19357	19357	3244
80	18657	18657	18657	3503
90	17945	17945	17945	3877
100	17336	17336	17336	4180
110	16729	16729	16729	4459
120	16127	16127	16127	4806
130	15575	15575	15575	5072
140	14996	14996	14996	5164
150	14413	14413	14413	5340
160	13839	13839	13839	5331
170	13354	13354	13354	4869
180	12917	12917	12917	4925
200	12229	12229	12229	4821
220	11572	11572	11572	4486
250	10702	10702	10702	4366
300	9780	9780	9780	4038
350	9133	9133	9133	3955
400	8684	8684	8684	3929
500	8274	8274	8274	3807
600	8056	8056	8056	3613
653.7	7945	7945	7945	3358

Claim Reach 661 Sycan River, Site 4, Composite WUA

	WUA (ft ² /1000ft)			
	Q (cfs)	Holding	Juvenile	Larvae
3.3	37320	44169	6215	444
5	39020	45735	7051	642
8	41130	47820	7955	970
12	42792	49267	8213	1329
20	44984	51456	8210	2130
30	46549	52991	7621	2921
40	47795	54173	7211	3686
49.6	48562	54750	6759	4323
60	49392	55486	6365	5058
70	50077	56083	6013	5717
80	50609	56543	5636	6272
90	50931	56770	5267	6717
100	51180	56964	4915	7127
110	51177	56839	4575	7484
120	51053	56572	4240	7782
130	50912	56334	3949	8056
140	50657	55923	3668	8263
150	50326	55398	3413	8444
160	49915	54775	3176	8598
170	49548	54245	2980	8777
180	49111	53627	2802	8919
200	48282	52437	2533	9168
220	47303	51089	2314	9387
250	45646	48905	2038	9714
300	43335	45811	1752	10162
350	41052	42815	1542	10369
400	39196	40466	1387	10220
500	36254	36896	1204	9771
600	33673	34096	1121	9366
653.7	32472	32864	1077	9216

	WUA (ft ² /1000ft)			
	Q (cfs)	Holding	Juvenile	Larvae
3.3	16595	2793	6215	1812
5	17046	3369	7051	2550
8	17567	4124	7955	3714
12	17924	4745	8213	5045
20	18365	5558	8210	7508
30	18662	6129	7621	9981
40	18887	6543	7211	11633
49.6	19029	6761	6759	12596
60	19197	6936	6365	13617
70	19349	7057	6013	14500
80	19501	7123	5636	15321
90	19635	7141	5267	15875
100	19782	7132	4915	16157
110	19901	7089	4575	16235
120	20014	7032	4240	16245
130	20135	6974	3949	16355
140	20246	6883	3668	16393
150	20339	6773	3413	16358
160	20420	6640	3176	16093
170	20512	6520	2980	15744
180	20592	6384	2802	15216
200	20767	6139	2533	14180
220	20920	5932	2314	13477
250	21098	5608	2038	12622
300	21400	5083	1752	11752
350	21567	4611	1542	10885
400	21492	4228	1387	10296
500	20801	3700	1204	8681
600	19359	3237	1121	6779
653.7	18590	2986	1077	6268

	WUA (ft ² /1000ft)			
	Q (cfs)	Holding	Juvenile	Larvae
3.3	31355	2793	6215	839
5	31641	3369	7051	1215
8	31898	4124	7955	1827
12	32049	4745	8213	2536
20	32375	5558	8210	3857
30	32653	6129	7621	5328
40	32914	6543	7211	6702
49.6	33116	6761	6759	7872
60	33365	6936	6365	9153
70	33598	7057	6013	10298
80	33835	7123	5636	11208
90	34045	7141	5267	11921
100	34276	7132	4915	12566
110	34466	7089	4575	13068
120	34639	7032	4240	13497
130	34825	6974	3949	13900
140	34968	6883	3668	14200
150	35086	6773	3413	14468
160	35185	6640	3176	14682
170	35294	6520	2980	14885
180	35387	6384	2802	15003
200	35582	6139	2533	15068
220	35737	5932	2314	14861
250	35878	5608	2038	14276
300	35997	5083	1752	13186
350	36000	4611	1542	12081
400	35791	4228	1387	11108
500	34808	3700	1204	9641
600	32591	3237	1121	8667
653.7	31273	2986	1077	8230

	WUA (ft ² /1000ft)			
	Q (cfs)	Adult	Juvenile	Fry
3.3	10757	19308		
5	11722	20084		
8	12863	20985		
12	13912	21633		
20	15306	22282		
30	16285	22644		
40	16916	22881		
49.6	17310	23031		
60	17591	23207		
70	17816	23328		
80	18011	23288		
90	18167	23096		
100	18338	22866		
110	18478	22462		
120	18561	22000		
130	18507	21526		
140	18340	20982		
150	18075	20418		
160	17734	19882		
170	17388	19412		
180	16945	18954		
200	16097	18122		
220	15324	17205		
250	14185	15958		
300	12904	14424		
350	11889	13158		
400	10986	12045		
500	9525	10427		
600	8538	9185		
653.7	8179	8641		