

12-8-2009

Ex. 279-US-428

Unknown

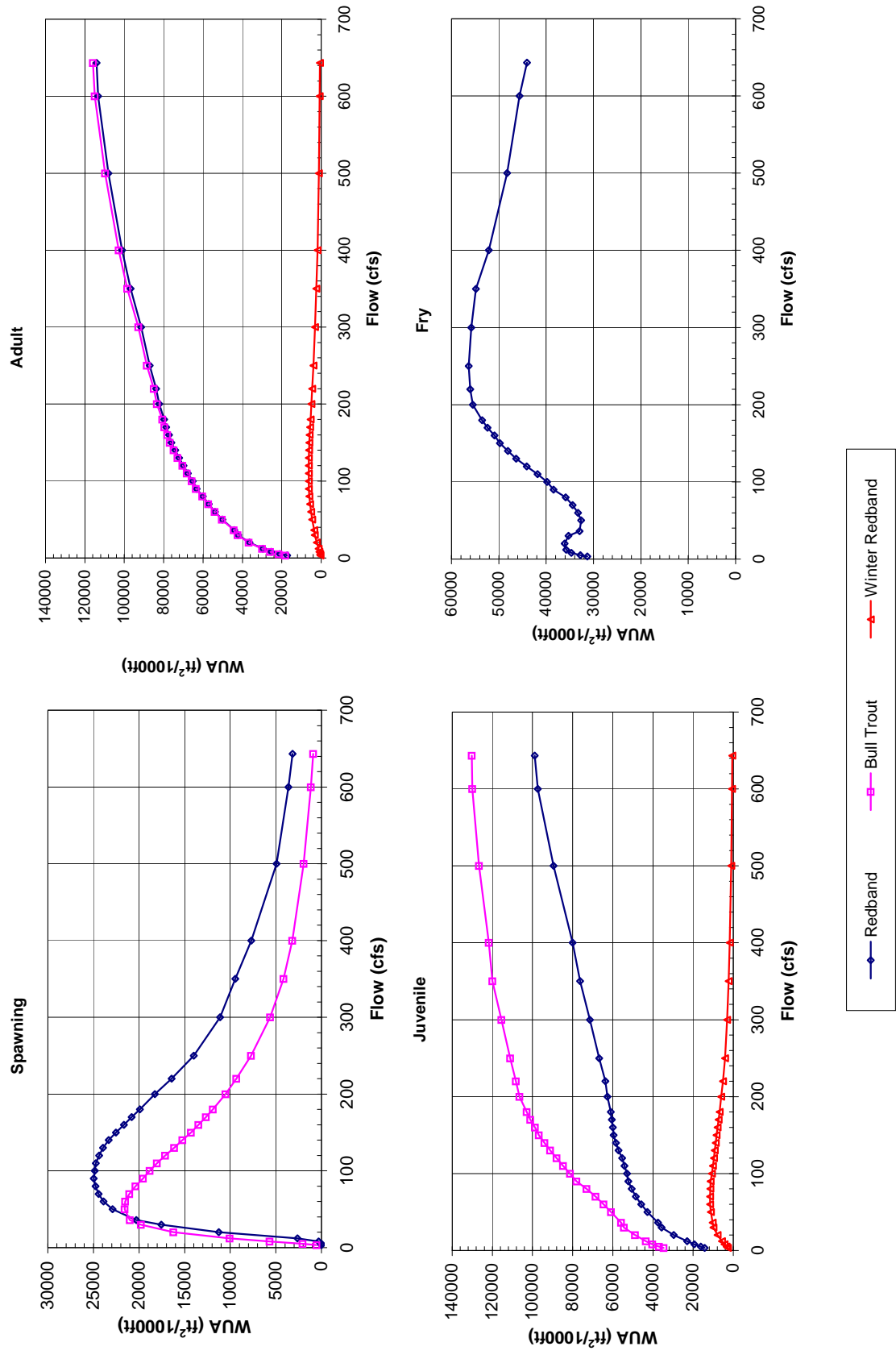
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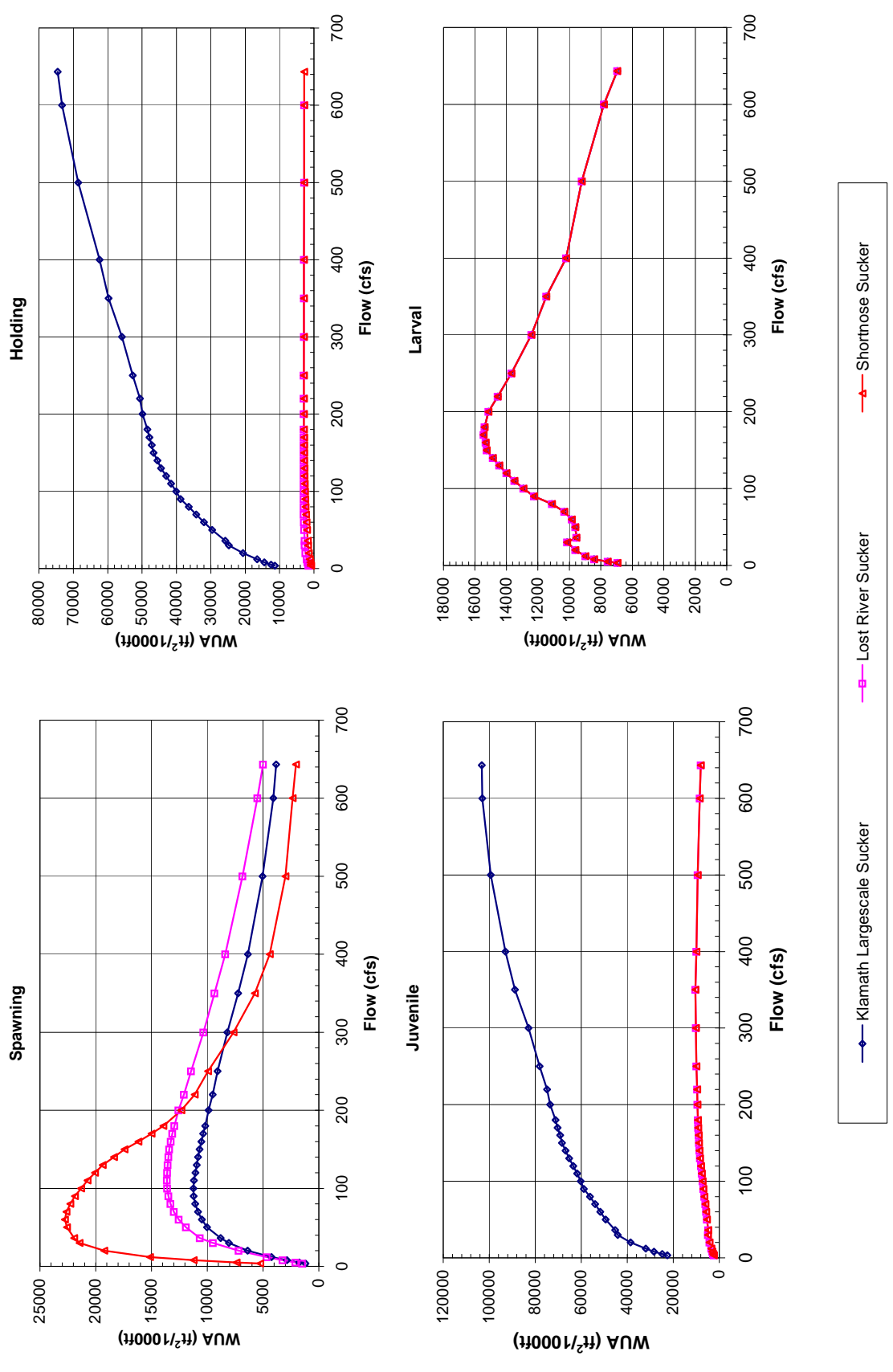
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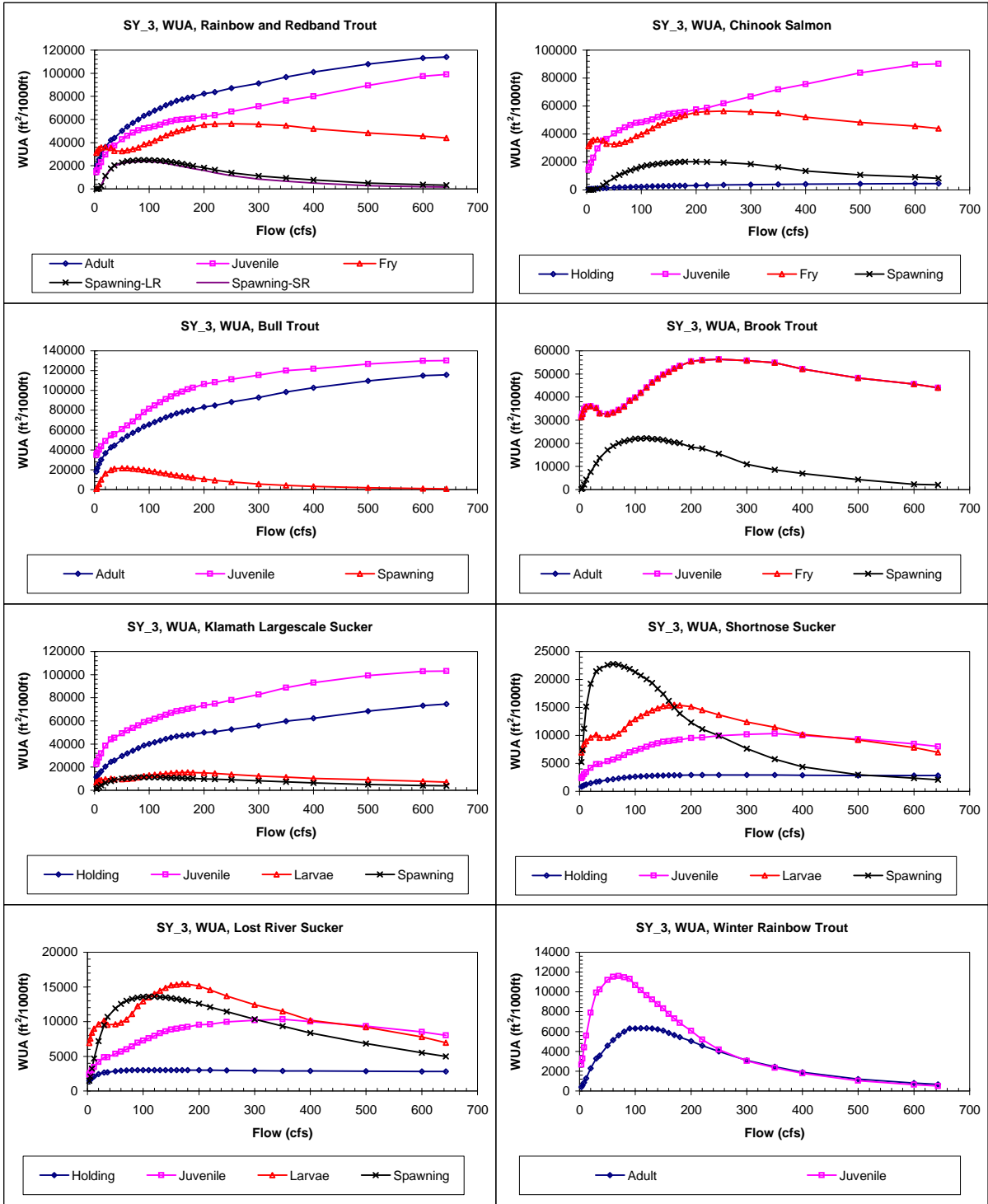
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Site SY 3
Priority Species Habitat - Flow Curves



Site SY 3
Priority Species Habitat - Flow Curves





Claim Reach 660 Sycan River, Site 3, Composite WUA

	WUA (ft ² /1000ft)				
	Q	Spawning - Spawning -			
	(cfs)	Adult	Juvenile	Fry	Large River Small River
3.5	17302	14306	31312	0	0
5	20890	16174	32765	0	0
8	25463	19350	34673	311	284
12	29605	22942	35767	2622	2539
20	36374	29727	36090	11264	11157
30	42111	35766	35283	17563	17277
36.1	44134	37510	32938	20312	19808
50	50221	42809	32626	22896	22044
60	53942	45882	33257	23889	22878
70	57056	48555	34418	24424	23310
80	60069	50575	35891	24781	23590
90	63263	52316	38453	24967	23703
100	65278	52938	39795	24866	23542
110	67714	54162	41831	24745	23293
120	69901	55419	44115	24387	22768
130	72214	57217	46348	23953	22124
140	74153	58484	48059	23332	21315
150	76104	59591	49761	22536	20391
160	77303	59932	50889	21653	19463
170	78747	60504	52387	20816	18559
180	79709	60990	53511	19893	17629
200	82269	62615	55479	18277	15917
220	83804	63680	56017	16415	14024
250	87079	66802	56371	13998	11452
300	91350	71369	55802	11116	8412
350	96796	76295	54824	9454	6617
400	101095	80082	52103	7684	5037
500	108007	89462	48261	4912	2737
600	113267	97372	45640	3624	1773
643.3	114109	98943	44030	3168	1492

	WUA (ft ² /1000ft)			
	Q	Spawning		
	(cfs)	Holding	Juvenile	Fry
3.5	541	14306	31312	0
5	607	16174	32765	0
8	721	19350	34673	0
12	844	22942	35767	109
20	1084	29655	36090	933
30	1311	35273	35283	3230
36.1	1382	36358	32938	5160
50	1628	40345	32626	8672
60	1794	42640	33257	10755
70	1954	44748	34418	12522
80	2098	46400	35891	14007
90	2241	47866	38453	15279
100	2342	48244	39795	16573
110	2456	49265	41831	17461
120	2568	50389	44115	18164
130	2686	52084	46348	18637
140	2789	53261	48059	19113
150	2886	54380	49761	19422
160	2957	54775	50889	19699
170	3033	55372	52387	19918
180	3102	55889	53511	20097
200	3248	57575	55479	20207
220	3359	58748	56017	20062
250	3552	61953	56371	19654
300	3792	66799	55802	18444
350	3997	71837	54824	16202
400	4122	75606	52103	13569
500	4386	83830	48261	10809
600	4583	89584	45640	9216
643.3	4609	90251	44030	8302

	WUA (ft ² /1000ft)			
	Q	Spawning		
	(cfs)	Adult	Juvenile	Fry
3.5	18181	34741		525
5	21551	36961		2060
8	25949	40288		5672
12	29990	43550		10062
20	36737	48955		16218
30	42492	54440		19803
36.1	44456	55853		21002
50	50456	60870		21580
60	54146	64619		21515
70	57297	68627		21064
80	60375	73115		20382
90	63665	78044		19563
100	65772	81365		18833
110	68260	84803		18039
120	70517	87989		17136
130	72886	91182		16153
140	74881	93966		15233
150	76886	96845		14321
160	78134	98713		13481
170	79620	101127		12675
180	80673	102869		11912
200	83378	106420		10526
220	85034	108308		9335
250	88468	111157		7728
300	92898	115404		5632
350	98426	120017		4160
400	102744	121799		3192
500	109707	126639		1939
600	115006	130005		1156
643.3	115875	130229		909

	WUA (ft ² /1000ft)			
	Q	Spawning		
	(cfs)	Adult	Juvenile	Fry
3.5	31312	31312	31312	96
5	32765	32765	32765	595
8	34673	34673	34673	2177
12	35767	35767	35767	4285
20	36090	36090	36090	7655
30	35283	35283	35283	11325
36.1	32938	32938	32938	13702
50	32626	32626	32626	17058
60	33257	33257	33257	18796
70	34418	34418	34418	20045
80	35891	35891	35891	20874
90	38453	38453	38453	21430
100	39795	39795	39795	22006
110	41831	41831	41831	22018
120	44115	44115	44115	22225
130	46348	46348	46348	21859
140	48059	48059	48059	21816
150	49761	49761	49761	21458
160	50889	50889	50889	20869
170	52387	52387	52387	20419
180	53511	53511	53511	20041
200	55479	55479	55479	18370
220	56017	56017	56017	17761
250	56371	56371	56371	15499
300	55802	55802	55802	10996
350	54824	54824	54824	8507
400	52103	52103	52103	6987
500	48261	48261	48261	4298
600	45640	45640	45640	2289
643.3	44030	44030	44030	2020

Claim Reach 660 Sycan River, Site 3, Composite WUA

	WUA (ft ² /1000ft)				
	Q (cfs)	Holding	Juvenile	Larvae	Spawning
Klamath Largescale Sucker	3.5	11341	22574	6936	1206
	5	12515	24856	7564	1753
	8	14456	28380	8420	2855
	12	16525	31917	8981	4244
	20	20601	38518	9613	6376
	30	24726	44092	10136	8076
	36.1	25805	45293	9562	8809
	50	29607	49337	9625	10015
	60	32007	51747	9843	10488
	70	34277	53930	10315	10835
	80	36429	56155	11109	11077
	90	38793	58861	12258	11228
	100	40068	60188	12913	11235
	110	41542	61836	13493	11190
	120	42959	63473	13991	11070
	130	44462	65307	14462	10948
	140	45566	66779	14869	10820
	150	46671	68360	15255	10684
	160	47149	69169	15315	10522
	170	47838	70247	15456	10362
	180	48419	71138	15382	10194
	200	49899	73509	15143	9895
	220	50652	74881	14551	9509
250	52723	78135	13692	9081	
300	55834	82855	12419	8197	
350	59711	88797	11467	7238	
400	62333	92976	10202	6366	
500	68528	99318	9211	5043	
600	73294	102999	7812	4088	
643.3	74525	103188	6965	3815	

	WUA (ft ² /1000ft)				
	Q (cfs)	Holding	Juvenile	Larvae	Spawning
Shortnose Sucker	3.5	858	2351	6936	5243
	5	940	2630	7564	7371
	8	1074	3055	8420	11210
	12	1216	3446	8981	15141
	20	1479	4198	9613	19246
	30	1719	4882	10136	21455
	36.1	1794	4849	9562	21930
	50	2040	5360	9625	22583
	60	2189	5682	9843	22766
	70	2324	6026	10315	22623
	80	2449	6442	11109	22276
	90	2568	6973	12258	21866
	100	2641	7275	12913	21305
	110	2696	7618	13493	20729
	120	2743	7957	13991	20065
	130	2786	8328	14462	19382
	140	2815	8587	14869	18366
	150	2840	8862	15255	17429
	160	2857	8967	15315	16178
	170	2877	9111	15456	14998
	180	2894	9225	15382	13935
	200	2931	9533	15143	12325
	220	2938	9637	14551	11131
250	2948	9968	13692	9933	
300	2929	10195	12419	7647	
350	2908	10348	11467	5739	
400	2881	9987	10202	4390	
500	2842	9349	9211	2991	
600	2833	8502	7812	2346	
643.3	2814	8035	6965	2059	

	WUA (ft ² /1000ft)				
	Q (cfs)	Holding	Juvenile	Larvae	Spawning
Lost River Sucker	3.5	1501	2351	6936	1488
	5	1638	2630	7564	2094
	8	1859	3055	8420	3241
	12	2091	3446	8981	4670
	20	2451	4198	9613	7187
	30	2657	4882	10136	9498
	36.1	2709	4849	9562	10669
	50	2855	5360	9625	11912
	60	2917	5682	9843	12551
	70	2974	6026	10315	12996
	80	2987	6442	11109	13286
	90	3001	6973	12258	13479
	100	3008	7275	12913	13590
	110	3008	7618	13493	13618
	120	3008	7957	13991	13601
	130	3008	8328	14462	13539
	140	3008	8587	14869	13482
	150	3008	8862	15255	13401
	160	3008	8967	15315	13269
	170	3008	9111	15456	13131
	180	3008	9225	15382	12957
	200	3008	9533	15143	12580
	220	2996	9637	14551	12108
250	2973	9968	13692	11454	
300	2936	10195	12419	10347	
350	2908	10348	11467	9353	
400	2881	9987	10202	8379	
500	2842	9349	9211	6834	
600	2833	8502	7812	5510	
643.3	2814	8035	6965	5000	

	WUA (ft ² /1000ft)		
	Q (cfs)	Adult	Juvenile
Winter Rainbow Trout	3.5	409	2655
	5	553	3280
	8	852	4395
	12	1286	5597
	20	2278	7897
	30	3267	9921
	36.1	3567	10249
	50	4571	11217
	60	5143	11525
	70	5625	11611
	80	5985	11458
	90	6296	11306
	100	6319	10686
	110	6335	10159
	120	6324	9653
	130	6314	9233
	140	6221	8760
	150	6089	8336
	160	5854	7782
	170	5649	7316
	180	5428	6864
	200	5039	6070
	220	4573	5188
250	3983	4172	
300	3086	3046	
350	2457	2351	
400	1898	1794	
500	1201	1047	
600	806	649	
643.3	655	519	