

**STUDY REPORT W&AR-17  
RESERVOIR FISH POPULATION**

**ATTACHMENT B**

**BASS NESTING HABITAT SURVEY DATA**

**Table B-1. Summary of comparison of measured and modeled statistics describing bass nesting habitat in Don Pedro Reservoir.**

	Distance (ft) From Random Sample Point To Survey Area	Average Percent Slope Based on Bathymetry Model	Average Percent Slope Calculated from Survey Transects
LV1	92	9.261111259	29.64912281
LV2	122	9.389296532	15.31100478
LV3	55	10.86377048	21.9924812
LV4	202	23.88143349	27.04678363
LV5	25	6.940048695	18.2748538
LV6	15	22.00548553	21.19883041
LV7	13	12.8448801	27.57309942
LV8	510	--	68.07017544
LV9	22	18.9151783	50.7518797
LV10	54	12.72452927	13.15789474
LV11	36	14.34134197	19.36090226
LV12	30	17.53594398	25.58479532
LV14	58	12.73394871	17.54385965
LV16	37	14.18078899	20.57416268
LV18	173	11.37833214	13.74269006
LV19	17	13.04664516	15.12303486
LV20	35	11.71995449	17.9244066
LV21	46	13.77182198	22.95321637
LV22	423	17.71149826	25.48358075
LV23	26	24.18478584	40.66985646
LV24	92	14.67205238	28.07017544
LV25	210	22.3139801	--
MLV1	750	19.43855286	17.34755687
MLV2	170	24.51216507	38.41655421
MLV3	22	17.95923805	37.28070175
MLV4	14	49.9507637	41.66666667
MLV5	93	18.35230064	27.45723489
MLV10	88	24.23433495	20.84795322
MLV11	564	12.14775467	14.23655292
MLV12	24	21.85465622	65.05847953
MLV13	300	8.763425827	13.3566482
MLV15	70	12.45050049	41.66666667
MLV16	182	7.029069424	7.596675034
MLV17	72	10.28205299	15.52287582
MLV18	102	35.46584702	43.10776942
MLV19	95	53.21976089	44.72488038
MLV20	2320	30.94618607	44.75238984
MLV21	13	35.31928635	78.94736842
MLV22	112	12.77369022	14.62962963
MLV23	26	28.00794601	46.60331384
MHV1	120	30.55106163	54.16666667
MHV2	110	24.28796577	29.54340981
MHV4	176	36.63057709	31.5612263
MHV6	76	17.920084	--
MHV7	126	22.69138908	24.66680267
MHV9	958	14.98862362	20.28508772
MHV10	117	43.63079834	70.1754386
MHV11	168	13.76362896	21.66483402

	<b>Distance (ft) From Random Sample Point To Survey Area</b>	<b>Average Percent Slope Based on Bathymetry Model</b>	<b>Average Percent Slope Calculated from Survey Transects</b>
MHV12	62	18.57670212	33.84015595
MHV13	240	20.39792824	23.96616541
MHV14	100	6.558805466	8.798936998
MHV15	144	10.803339	8.760531787
MHV16	883	21.01062965	24.26948052
MHV17	186	37.55208588	45.60738969
MHV18	41	--	41.22807018
MHV19	200	35.48554993	61.35477583
MHV20	24	34.55274963	60.4288499
MHV23	190	16.28932762	23.0628655
MHV24	53	20.80405807	22.13868003
MHV25	92	31.80298424	240.3283851
HV1	208	10.27791214	13.99331662
HV2	454	14.72746849	19.36090226
HV3	185	15.67484474	24.24549135
HV4	140	21.70242119	23.60446571
HV8	214	13.98120499	26.81704261
HV9	183	10.65107536	15.12955643
HV11	88	22.7088089	27.2556391
HV12	65	28.49526596	31.53814769
HV13	506	26.92913437	21.21480171
HV14	314	9.649372101	21.14661654
HV15	210	10.12749863	16.83053788
HV16	107	15.86354065	30.26315789
HV17	170	27.65468025	29.70720111
HV18	244	13.66698837	18.84635832
HV21	351	16.865942	16.34099942
HV22	220	16.24079895	18.47265222
HV23	112	16.60954666	25.68922306
HV24	950	13.40922737	18.2748538
HV25	130	18.92339134	29.97873472

**Table B-2. Comparison of bass nesting habitat survey measurements and bathymetry-based predictions of conditions at the transect sites evaluated during the Don Pedro Reservoir fish population survey, May 2012.**

Site_ID	Date	Boundary1_Lat	Boundary1_Long	Boundary2_Lat	Boundary2_Long	StartDepthSuitability	EndDepthSuitability	DistShoreline	DistShorlineStart
HV1	5/11/2012	37.70158	-120.42781	37.70197	-120.42828	Low	Low	3	70
HV11	5/11/2012	37.9	-120.36028	37.79056	-120.36083	Low	Medium Low	52	
HV12	5/11/2012	37.72408	-120.39319	37.72472	-120.394	Low	Low	15	6
HV13	5/9/2012	37.68047	-120.34597	37.68029	-120.34496	Medium Low	Low	43	43
	5/9/2012	37.68047	-120.34597	37.68029	-120.34496	Medium Low	Low	41	42
	5/9/2012	37.68047	-120.34597	37.68029	-120.34496	Medium Low	Low	40	42
HV14	5/11/2012	37.82634	-120.33062	37.82681	-120.33131	Medium Low	Low	--	--
HV15	5/11/2012	37.73	-120.37361	37.72778	-120.37361	High	Low	30	140
HV16	5/11/2012	37.78917	-120.39639	37.78889	-120.39583	Low	Low	25	8
HV17	5/11/2012	37.85908	-120.39538	37.86024	-120.39452	Medium Low	High	33	59
HV18	5/9/2012	37.68261	-120.34345	37.68188	-120.34278	Low	Low	30	24
HV19	5/9/2012	37.69641	-120.38156	0	0	Low	Low	--	--
HV2	5/11/2012	37.72775	-120.39508	37.72864	-120.395	Low	Low	18	22
HV20	5/11/2012	37.81384	-120.41	37.81333	-120.40778	Low	High	--	--
HV21	5/23/2012	37.76691	-120.41265	37.76714	-120.41363	Low	Low	13	63
HV22	5/9/2012	37.70971	-120.42677	37.71061	-120.42731	Low	Low	30	33
HV23	5/11/2012	37.79278	-120.38028	37.79306	-120.38139	Low	Low	52	72
HV24	5/11/2012	37.73205	-120.3939833	37.73131667	-120.3932167	Low	Low	19	18
HV25	5/23/2012	37.8374	-120.37765	37.83775	-120.37708	High	Low	13	75
HV3	5/9/2012	37.68431	-120.35065	37.68338	-120.35113	Low	Low	34	44
HV4	5/9/2012	37.71298	-120.42845	37.7133	-120.42804	Low	Low	15	45
HV8	5/11/2012	37.72594	-120.39003	37.72511	-120.38972	Low	Low	10	6
HV9	5/9/2012	37.70116	-120.38579	37.70055	-120.38538	Low	Low	50	74
LV1	5/9/2012	37.68404	-120.35407	37.68411	-120.35529	Low	Low	50	48
LV10	5/11/2012	37.79417	-120.38361	37.79417	-120.38389	Low	Low	9	8
LV11	5/11/2012	37.71277778	-120.3577778	37.71277778	-120.3566667	Low	Low	52	54
LV12	5/11/2012	37.80194	-120.41556	37.80194	-120.41472	Medium Low	Medium High	27	49
LV14	5/11/2012	37.7475	-120.3902778	37.74805556	-120.3897222	Medium Low	Low	28	23
	5/11/2012	37.7475	-120.3902778	37.74805556	-120.3897222	Medium Low	Low	--	--
LV16	5/11/2012	37.72138889	-120.3725	37.72055556	-120.3730556	Low	Low	35	20
LV17	5/11/2012	37.84336	120.36414	37.84413	-120.36445	Low	Medium High	--	--
LV18	5/11/2012	37.80417	-120.41528	37.80472	-120.41611	Low	Low	0	38
LV19	5/11/2012	37.74972	-120.34028	37.74944	-120.34111	Low	Low	32	15
LV2	5/11/2012	37.72139	-120.3725	37.72167	-120.37111	Low	Low	39	23
LV20	5/9/2012	37.68064	-120.34608	37.681	-120.34496	Low	Low	30	23
	5/9/2012	37.68064	-120.34608	37.681	-120.34496	Low	Low	--	--
LV21	5/11/2012	37.70666667	-120.3588889	37.70611111	-120.3583333	Low	Low	3	21
LV22	5/11/2012	37.84062	-120.355525	37.84049	-120.35584	High	Low	25	63
LV23	5/11/2012	37.73992	-120.40942	37.74042	-120.40861	Low	Low	17	6
LV24	5/11/2012	37.88882	-120.42009	37.88815	-120.41932	Low	Low	27	20
LV25	5/11/2012	37.89093	-120.42187	37.89162	-120.42229	Low	Low	2	15
LV3	5/11/2012	37.71983333	-120.4141333	37.7191	-120.4135	Low	Low	20	30
LV4	5/23/2012	37.76427	-120.36163	37.76422	-120.36246	Medium High	Low	15	51
LV5	5/11/2012	37.741	-120.3982167	37.7405	-120.398	Low	Low	10	63
LV6	5/11/2012	37.805	-120.41278	37.805	-120.41361	Low	Low	3	17
LV7	5/9/2012	37.71179	-120.43011	37.71254	-120.43044	Medium Low	Low	54	88
LV8	5/11/2012	37.88735	-120.41963	37.88677	-120.41908	Medium High	Low	3	60
LV9	5/11/2012	37.70125	-120.42739	37.70058	-120.42656	Low	Low	27	54
MHV1	5/11/2012	37.87963	-120.29251	37.88018	-120.29146	High	Low	2	83
MHV10	5/11/2012	37.81194	-120.39917	37.81167	-120.40028	Medium Low	Low	2	12
MHV11	5/9/2012	37.70559	-120.38721	37.70555	-120.38673	Low	Low	35	23

Site_ID	Date	Boundary1_Lat	Boundary1_Long	Boundary2_Lat	Boundary2_Long	StartDepthSuitability	EndDepthSuitability	DistShoreline	DistShorlineStart
	5/9/2012	37.70559	-120.38721	37.70555	-120.38673	Low	Low	--	--
MHV12	5/11/2012	37.87397	-120.40678	37.87353	-120.40705	Low	Low	2	50
MHV13	5/11/2012	37.79917	-120.39389	37.79889	-120.39417	Low	Low	10	20
MHV14	5/23/2012	37.76339	-120.42194	37.76411	-120.42154	Low	Low	22	31
MHV15	5/11/2012	37.79639	-120.37861	37.79667	-120.37833	Low	Low	15	3
MHV16	5/11/2012	37.87368	-120.29923	37.87381	-120.29977	Medium High	Low	12	25
MHV17	5/11/2012	37.85747	-120.33456	37.85818	-120.33511	High	Medium Low	13	53
MHV18	5/11/2012	37.75917	-120.35917	37.75944	-120.35833	Low	Medium Low	17	5
MHV19	5/11/2012	37.87767	-120.29436	37.87703	-120.29482	High	High	130	120
MHV2	5/11/2012	37.84554	-120.3711	37.84633	-120.3718	Medium High	Low	10	125
MHV20	5/23/2012	37.8302	-120.38377	37.83107	-120.38343	Low	Medium Low	12	120
MHV23	5/23/2012	37.6981	-120.3933	37.69907	-120.39413	Low	Low	15	15
MHV24	5/11/2012	37.731889	-120.412028	37.73253	-120.4125	Low	Low	5	3
MHV25	5/11/2012	37.87112	-120.33813	37.87063	-120.33851	High	Low	22	53
MHV3	5/11/2012	0	0	37.79361	-120.37	Low	Low	--	--
MHV4	5/11/2012	37.8597	-120.3995	37.86017	-120.40015	Low	Low	0	130
MHV5	5/11/2012	37.80333	-120.41611	37.80472	-120.41611	Low	Low	--	--
MHV6	5/11/2012	37.70597	-120.42822	37.70622	-120.42903	High	Low	6	93
MHV7	5/11/2012	37.72208	-120.38864	37.72183	-120.38958	Low	Low	13	10
MHV8	5/23/2012	37.69654	-120.39015	37.64746	-120.39104	Low	Low	--	--
MHV9	5/9/2012	37.70303	-120.38131	37.70384	-120.38213	Low	Low	42	4
MLV1	5/9/2012	37.70192	-120.38314	37.70253	-120.38219	Low	Low	2	23
MLV10	5/11/2012	37.85303	-120.38203	37.85339	-120.38291	Low	Low	8	14
MLV11	5/9/2012	37.70118	-120.3839	37.70184	-120.38342	Low	Low	16	53
MLV12	5/11/2012	37.863	-120.40184	37.86369	-120.40266	High	Low	15	45
MLV13	5/11/2012	37.82223	-120.32206	37.822244	-120.32304	Low	Low	48	53
MLV15	5/11/2012	37.82417	-120.38556	37.82417	-120.38583	Low	Low	26	12
MLV16	5/9/2012	37.69811	-120.38285	37.69913	-120.38378	Low	Low	64	74
MLV17	5/11/2012	37.73028	-120.37444	37.72944	-120.37389	Low	Low	20	28
MLV18	5/11/2012	37.85062	-120.33607	37.84993	-120.3368	Medium Low	Low	3	32
MLV19	5/23/2012	37.83361	-120.3783	37.83377	-120.37779	High	Medium High	38	66
MLV2	5/11/2012	37.87437	-120.40719	37.87386	-120.40777	Low	Low	1	17
MLV20	5/11/2012	37.712	-120.40936	37.71242	-120.41011	Low	Low	4	20
MLV21	5/11/2012	37.7675	-120.35972	37.76667	-120.36	Medium High	Low	10	30
MLV22	5/11/2012	37.82438	-120.32212	37.82469	-120.32316	Low	Low	22	30
MLV23	5/11/2012	37.87544	-120.33269	37.87485	-120.33283	High	Medium High	34	50
MLV3	5/11/2012	37.72694	-120.36722	37.72806	-120.3675	Low	Low	3	42
MLV4	5/11/2012	37.73917	-120.36417	37.73889	-120.36444	High	Medium High	40	47
MLV5	5/11/2012	37.84631	-120.35906	37.8467	-120.36003	Low	Low	24	43
MLV6	5/11/2012	37.79806	-120.3875	37.79833	-120.38806	Low	Low	--	--
MLV8	5/11/2012	37.74018333	-120.3999333	37.7402	-120.4009167	Low	Low	--	--
MLV9	5/11/2012	37.73028	-120.40183	37.73022	-120.40103	Low	Low	--	--