

Table B-2. Larval Fish Sampling Results for Napa River Fish Monitoring, March 2001–July 2002, January 2003–July 2003, March 2004–July 2004, and March 2005–July 2005.

Location Code/ Gear Type/ Replicate Number	Inland silverside	Shinnofuri goby	Striped bass	Threadfin shad	Yellowfin goby	Arrow goby	Bay goby	Delta smelt	Jacksnelt	Long-jawed mudsucker	Longfin smelt	Northern anchovy	Pacific herring	Prickly sculpin	Sacramento splittail	Sacramento sucker	Starry flounder	Threespine stickleback	Tule perch	Tridentiger spp. (Gobiidae spp.)	Unidentified smelt	Unidentified centrarchid	Unidentified damaged	Total	
	Introduced											Native													
Date: 3-24-01																									
1A-1 CDFG 20-mm tow-net 1 of 3											2,917		15	12											2,944
1A-1 CDFG 20-mm tow-net 2 of 3		1			2			3			4,663		22	33											4,724
1A-1 CDFG 20-mm tow-net 3 of 3		9									3,974		7	8											3,998
1B-1 CDFG 20-mm tow-net 1 of 3								9			900		4	32											945
1B-1 CDFG 20-mm tow-net 2 of 3					3			19			955			89											1,066
1B-1 CDFG 20-mm tow-net 3 of 3								12			494			31											537
2-1 CDFG 20-mm tow-net 1 of 3								4			98			35											137
2-1 CDFG 20-mm tow-net 2 of 3								8			78			67											153
2-1 CDFG 20-mm tow-net 3 of 3								4			74			67											145
March 2001 Subtotal	0	10	0	0	5	0	0	59	0	0	14,153	0	48	374	0	0	0	0	0	0	0	0	0	0	14,649
Date: 4-7-01																									
1A-1 CDFG 20-mm tow-net 1 of 3					59			253			3,383		221	3											3,919
1A-1 CDFG 20-mm tow-net 2 of 3	1				23		3	259			3,453		432	12									1		4,183
1A-1 CDFG 20-mm tow-net 3 of 3		3			29		4	275			2,812		458	10											3,591
1B-1 CDFG 20-mm tow-net 1 of 3					14			439			673		92	39							1	1			1,258
1B-1 CDFG 20-mm tow-net 2 of 3					20			515			563		58	32											1,188
1B-1 CDFG 20-mm tow-net 3 of 3					7			788			503		126	39											1,463
2-1 CDFG 20-mm tow-net 1 of 3					3			289			145		8	208											653
2-1 CDFG 20-mm tow-net 2 of 3					2			194			140		8	175									1		519
2-1 CDFG 20-mm tow-net 3 of 3					3			263			103		8	84											461
April 2001 Subtotal	1	3	0	0	160	0	7	3,275	0	0	11,775	0	1,411	602	0	0	0	0	0	0	0	1	3	0	17,235
Date: 5-5-01																									
1A-1 CDFG 20-mm tow-net 1 of 3		798		1	461		478	20		3	616	19	81												2,477
1A-1 CDFG 20-mm tow-net 2 of 3		822			646		1130	21	1	6	1,473	25	105		1										4,230
1A-1 CDFG 20-mm tow-net 3 of 3		457	676			9	104	17	1	2	652		79												1,997
1B-1 CDFG 20-mm tow-net 1 of 3		962			266		61	87		9	251	2	37	1									1		1,676
1B-1 CDFG 20-mm tow-net 2 of 3		1071			328		85	92		10	314		34												1,934
1B-1 CDFG 20-mm tow-net 3 of 3		1004			491		102	75		6	331	3	39		1										2,052
2-1 CDFG 20-mm tow-net 1 of 3		573	1		276		2	50		10	134					1			1						1,048
2-1 CDFG 20-mm tow-net 2 of 3		537	1		587		13	68		16	171		2									1			1,395
2-1 CDFG 20-mm tow-net 3 of 3		1658			64		13	132		18	232		15												2,132
May 2001 Subtotal	0	7,882	678	1	3,119	9	1,988	562	2	80	4,174	49	392	1	2	1	0	1	0	0	0	2	0	0	18,941

Location Code/ Gear Type/ Replicate Number	Inland silverside	Shimofuri goby	Striped bass	Threadfin shad	Yellowfin goby	Arrow goby	Bay goby	Delta smelt	Jacksnelt	Long-jawed mudsucker	Longfin smelt	Northern anchovy	Pacific herring	Prickly sculpin	Sacramento splittail	Sacramento sucker	Starry flounder	Threespine stickleback	Tule perch	Tridentiger spp. (Gobiidae spp.)	Unidentified smelt	Unidentified centrarchid	Unidentified damaged	Total	
	Introduced					Native																			
Date: 6-4-01																									
1A-1 CDFG 20-mm tow-net 1 of 3		399			1								7												407
1A-1 CDFG 20-mm tow-net 2 of 3		237										4													241
1A-1 CDFG 20-mm tow-net 3 of 3		432									1	2													435
1B-1 CDFG 20-mm tow-net 1 of 3		1										1													2
1B-1 CDFG 20-mm tow-net 2 of 3		739										1													740
1B-1 CDFG 20-mm tow-net 3 of 3		806										1													807
2-1 CDFG 20-mm tow-net 1 of 3		493		1				1																	495
2-1 CDFG 20-mm tow-net 2 of 3		426																							426
2-1 CDFG 20-mm tow-net 3 of 3	1	185											1												187
June 2001 Subtotal	1	3,718	0	1	1	0	0	1	0	0	1	16	1	0	0	0	0	0	0	0	0	0	0	0	3,740
2001 Subtotal of larval fish	2	11,613	678	2	3,285	9	1,995	3,897	2	80	30,103	65	1,852	977	2	1	0	1	0	0	1	5	0	0	54,565
Date: 3/25/02																									
1A-6 Fyke												2	2										6	10	
1A-7 Fyke																									0
1A-4 Beach Seine (North End) 1 of 2														1											1
1A-4 Beach Seine (South End) 2 of 2														11											11
1A-2 Otter Trawl 1 of 2				1								3	2										34	40	
1A-2 Otter Trawl 2 of 2																							1	1	
Date: 3/26/02																									
1B-1 Otter Trawl 1 of 2																									0
1B-1 Otter Trawl 2 of 2																					1				1
1A-1 Otter Trawl 1 of 2																							2	2	
1A-10 Fyke																									0
March 2002 Subtotal	0	0	0	0	1	0	0	0	0	0	0	5	16	0	0	0	0	0	0	1	0	0	43	66	
Date: 4/8/02																									
1A-1 Otter Trawl 1 of 2					1								1												2
1A-1 Otter Trawl 2 of 2					1																				1
2-1 Otter Trawl 1 of 1					3								2												5
1A-4 (North End) Beach Seine 1 of 4														3											3
1A-4 (North End) Beach Seine 2 of 4	2												1										5	8	
1A-10 Fyke											5		6												11
Date: 4/9/02																									
2-1 Otter Trawl 1 of 3					10																		2	12	
2-1 Otter Trawl 2 of 3					2																				2
1B-1 Otter Trawl 1 of 2																									0
1B-1 Otter Trawl 2 of 2					2																				2

Location Code/ Gear Type/ Replicate Number	Inland silverside	Shimofuri goby	Striped bass	Threadfin shad	Yellowfin goby	Arrow goby	Bay goby	Delta smelt	Jacksnelt	Long-jawed mudsucker	Longfin smelt	Northern anchovy	Pacific herring	Prickly sculpin	Sacramento splittail	Sacramento sucker	Starry flounder	Threespine stickleback	Tule perch	Tridentiger spp. (Gobiidae spp.)	Unidentified smelt	Unidentified centrarchid	Unidentified damaged	Total	
	Introduced											Native													
Date: 4/22/02																									
1A-4 Beach Seine 1 of 2																									1
Date: 4/23/02																									
1A-1 Otter Trawl 1 of 1																									0
1B-1 Otter Trawl 1 of 2					9																		2	11	
1B-1 Otter Trawl 2 of 2					1																			1	
April 2002 Subtotal	2	0	0	0	29	0	0	0	0	0	5	0	14	0	0	0	0	0	0	0	0	5	4	59	
Date: 5/22/02																									
2-1 Otter Trawl 1 of 3		61																						61	
2-1 Otter Trawl 3 of 3		73			1																			74	
1B-1 Otter Trawl 1 of 2		13																						13	
May 2002 Subtotal	0	147	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	148	
Date: 6/21/02																									
1A-2 Otter Trawl 1 of 2		9																						9	
1A-2 Otter Trawl 2 of 2		40																						40	
2-1 Otter Trawl 2 of 2		63																						63	
June 2002 Subtotal	0	112	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	112	
2002 Subtotal of larval fish	2	259	0	0	31	0	0	0	0	0	5	5	30	0	0	0	0	0	0	1	0	5	47	385	
Date: 2/26/03																									
1A-1 Otter Trawl 1 of 2											4												2	6	
1A-1 Otter Trawl 2 of 2											12												3	15	
1A-2 Otter Trawl 1 of 2											41													41	
February 2003 Subtotal	0	0	0	0	0	0	0	0	0	0	57	0	0	0	0	0	0	0	0	0	0	0	5	62	
Date: 3/13/03																									
1B-1 Otter Trawl 1 of 2											12												5	17	
1B-1 Otter Trawl 2 of 2											74												9	83	
2-1 Otter Trawl 1 of 2											152												38	190	
2-1 Otter Trawl 2 of 2											1,262												47	1,309	
1A-1 Otter Trawl 1 of 2											292												22	314	
1A-1 Otter Trawl 2 of 2					2						586												45	633	
1A-2 Otter Trawl 1 of 2					2						166												2	170	
1A-2 Otter Trawl 2 of 2					1						155		1											157	
Date: 3/27/03																									
1A-6 Fyke	1												2											3	
1A-7 Fyke											3		1											4	
Date: 3/28/03																									
1A-1 Otter Trawl 1 of 2		1									147			1									6	155	
1A-1 Otter Trawl 2 of 2											59			2									3	64	
March 2003 Subtotal	1	1	0	0	5	0	0	0	0	0	2,908	0	4	3	0	0	0	0	0	0	0	0	177	3,099	

Location Code/ Gear Type/ Replicate Number	Inland silverside	Shimofuri goby	Striped bass	Threadfin shad	Yellowfin goby	Arrow goby	Bay goby	Delta smelt	Jacksnelt	Long-jawed mudsucker	Longfin smelt	Northern anchovy	Pacific herring	Prickly sculpin	Sacramento splittail	Sacramento sucker	Starry flounder	Threespine stickleback	Tule perch	Tridentiger spp. (Gobiidae spp.)	Unidentified smelt	Unidentified centrarchid	Unidentified damaged	Total
	Introduced											Native												
Date: 4/10/03																								
1A-1 Otter Trawl 1 of 2											2													2
1A-1 Otter Trawl 2 of 2											8													8
1B-1 Otter Trawl 1 of 2											53		1										1	55
1B-1 Otter Trawl 2 of 2											14												4	18
2-1 Otter Trawl 1 of 2											2													2
1A-2 Otter Trawl 1 of 2					5						246						1						3	255
1A-2 Otter Trawl 2 of 2											202			1			1							204
Date: 4/11/03																								
1A-6 Fyke											21													21
Date: 4/24/03																								
1A-1 Otter Trawl 1 of 2											2		1											3
1A-1 Otter Trawl 2 of 2											3													3
1A-2 Otter Trawl 1 of 2											11													11
1A-2 Otter Trawl 2 of 2		1									15													16
Date: 4/25/03																								
1A-6 Fyke											1													1
1A-7 Fyke		1									2		5											8
April 2003 Subtotal	0	2	0	0	5	0	0	0	0	0	582	0	7	1	0	0	2	0	0	0	0	0	8	607
Date: 6/7/03																								
1A-6 Fyke			4																					4
1A-7 Fyke			1																					1
2-1 Otter Trawl 1 of 2			73																					73
2-1 Otter Trawl 2 of 2			21																					21
1A-4 Beach Seine 1 of 4			11																					11
Date: 6/8/03																								
1A-1 Otter Trawl 1 of 2			3																					3
1A-1 Otter Trawl 2 of 2			9																					9
2-1 Otter Trawl 1 of 2			27																					27
1B-1 Otter Trawl 1 of 2			30																					30
1B-1 Otter Trawl 2 of 2			33																					33
1A-2 Otter Trawl 1 of 2			13																					13
1A-2 Otter Trawl 2 of 2			5																					5
1A-3 Beach Seine 1 of 2			2																					2
1A-3 Beach Seine 2 of 2			5																					5
June 2003 Subtotal	0	0	237	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	237
Date: 7/24/03																								
2-1 Otter Trawl 1 of 2			1																					1
1B-1 Otter Trawl 1 of 2			1																					1
July 2003 Subtotal	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2003 Subtotal of larval fish	1	3	239	0	10	0	0	0	0	0	3,547	0	11	4	0	0	2	1	0	0	0	0	190	4,007

Location Code/ Gear Type/ Replicate Number	Inland silverside	Shimofuri goby	Striped bass	Threadfin shad	Yellowfin goby	Arrow goby	Bay goby	Delta smelt	Jacksnelt	Long-jawed mudsucker	Longfin smelt	Northern anchovy	Pacific herring	Prickly sculpin	Sacramento splittail	Sacramento sucker	Starry flounder	Threespine stickleback	Tule perch	Tridentiger spp. (Gobiidae spp.)	Unidentified smelt	Unidentified centrarchid	Unidentified damaged	Total	
	Introduced					Native																			
Date: 4/15/04																									
2-1 Otter Trawl 1 of 3																				10					10
1A-2 Otter Trawl 2 of 2													1										2	3	
Date: 4/16/04																									
1A-6 Fyke											16		9												25
1A-10 Fyke													6												6
Date: 4/30/04																									
2-1 Otter Trawl 2 of 2					2								1										1	4	
1A-2 Otter Trawl 1 of 2											1													1	
1A-2 Otter Trawl 2 of 2											3												1	4	
April 2004 Subtotal	0	0	0	0	2	0	0	0	0	0	20	0	17	0	0	0	0	0	10	0	0	0	4	53	
Date: 05/14/04																									
2-1 Otter Trawl 1 of 2		1																						1	
2-1 Otter Trawl 2 of 2		10																						10	
Date: 05/13/04																									
1A-1 Otter Trawl 1 of 2																				12				12	
May 2004 Subtotal	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	23	
Date: 6/15/04																									
2-1 Otter Trawl 1 of 2		23																					2	25	
June 2004 Subtotal	0	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	2	25	
2004 Subtotal of larval fish	0	34	0	0	2	0	0	0	0	0	20	0	17	0	0	0	0	10	12	0	0	6	101		
Date: 4/20/05																									
1A-2 Otter Trawl 2 of 2		2																						2	
1A-6 Fyke Net		1								1														2	
April 2005 Subtotal	0	3	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	

Location Code/ Gear Type/ Replicate Number	Inland silverside	Shimofuri goby	Striped bass	Threadfin shad	Yellowfin goby	Arrow goby	Bay goby	Delta smelt	Jacksnelt	Long-jawed mudsucker	Longfin smelt	Northern anchovy	Pacific herring	Prickly sculpin	Sacramento splittail	Sacramento sucker	Starry flounder	Threespine stickleback	Tule perch	Tridentiger spp. (Gobiidae spp.)	Unidentified smelt	Unidentified centrarchid	Unidentified damaged	Total	
	Introduced										Native														
Date: 5/5/05																									
1A-6 Fyke														1											1
1A-2 Otter Trawl 1 of 2					2																				2
1B-1 Beach Seine 1 of 2		1																							1
Date: 5/18/05																									
1A-1 Otter Trawl 1 of 2											1														1
1A-2 Otter Trawl 1 of 2					1					1															2
1A-2 Otter Trawl 2 of 2		1			2					3															6
1B-1 Beach Seine 2 of 2		1																							1
1A-7 Fyke Net		1																							1
May 2005 Subtotal	0	4	0	0	5	0	0	0	0	0	5	0	1	0	0	0	0	0	0	0	0	0	0	0	15
Date: 6/29/05																									
1A-1 Otter Trawl 1 of 2		41	2																						43
2-1 Otter Trawl 2 of 2			4	1									5												10
Date: 6/30/05																									
1A-3 Beach Seine 1 of 3																							1	1	
1A-3 Beach Seine 3 of 3		2											3												5
1B-2 Beach Seine 1 of 2				1									1												2
1B-1 Otter Trawl 1 of 2		89	1																				5	95	
1B-1 Otter Trawl 2 of 2		275	9		1								1							40			7	333	
2-1 Otter Trawl 1 of 2		82	3																				7	92	
2-1 Otter Trawl 2 of 2		263	6	2	1								5							15				292	
June 2005 Subtotal	0	752	25	4	2	0	0	0	0	0	0	0	15	0	0	0	0	0	0	55	0	0	20	873	
Date: 7/29/05																									
2-1 Otter Trawl 1 of 2			8																				4	12	
2-1 Otter Trawl 2 of 2			23																					23	
1B-1 Otter Trawl 2 of 2		1																						1	
July 2005 Subtotal	0	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	36	
2005 Subtotal of larval fish	0	791	25	4	7	0	0	0	0	0	6	0	16	0	0	0	0	0	0	55	0	0	24	928	
Total larval fish, 2001, 2002, 2003, 2004, and 2005	5	12,700	942	6	3,335	9	1,995	3,897	2	80	33,681	70	1,926	981	2	1	2	1	10	68	1	10	267	59,991	