

Supplementary Table 2. Details about deployments of pop-up satellite archival tags on green sturgeon (*Acipenser medirostris*) captured and tagged on 6 bottom-trawl fishery vessels that targeted California halibut (*Paralichthys californicus*) between 13 May 2015 and 7 September 2016 in nearshore waters of the Pacific Ocean just west of the San Francisco Bay Delta. The time that elapsed between the end of a tow (i.e., the start of the haul back of the trawl net) and the release of a tagged green sturgeon is provided (Time End Tow to Deploy). Water temperature is from data recorded by the tag if the tag was recovered. Otherwise, water and air temperature data are from a marine buoy (station 46026 west of San Francisco, located at 37°45'14"N, 122°50'20"W and maintained by the NOAA National Data Buoy Center; data available from [website](#)). The fate of some individuals could not be determined because of loss of the tag or no or limited broadcasted or recovered data (Undetermined) A few tagged individuals left the study early as a result of premature tag release or loss (Censored); these individuals survived until the tag released prior to the end of the 21-d study period. Processing time is the midpoint of the estimated additional time needed for processing and tagging. Ocean positions given for pop-off locations are relative to the Golden Gate Bridge. Fish lengths were measured in fork length (FL), and total haul weights are given in metric tons (t).

Data Type	Fate	Tow Duration (min)	No. Fish in Tow	Tagging Order	Time End Tow to Tag Deploy (min)	Processing Time (Midpoint in min)	Fish Condition	Fish Length (cm FL)	Survival Time (h:min:s)	Release Water Temp. (°C)	Release Air Temp. (°C)	Total Haul Weight (t)	Average Depth (Fathom)	Pop-off Location
No Data	Undetermined	228	1		27	7.5	Fair	74				0.064561976	7	Ocean North
No Data	Undetermined	237	3	1 <sup>st</sup>	28	7.5	Fair	95				0.034019777	7	
Broadcast	Undetermined	310	2	1 <sup>st</sup>	30	10	Fair	98				0.017596797	7	Ocean South
No Data	Undetermined	310	2	2 <sup>nd</sup>	40	20	Fair	99				0.017596797	7	SF Bay
Recovery	Undetermined	245	1		23	7.5	Good	69				0.058621447	7	SF Bay
Recovery	Undetermined	240	1		30	7.5	Fair	75				0.068719949	7	Ocean South
No Data	Undetermined	190	1		35	7.5	Good	104					25	SF Bay
No Data	Undetermined	318	25	1 <sup>st</sup>	37	7.5	Good	94				0.074389912	7	

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Recovery	Undetermined	195	1			7.5	Good	107				0.069173546	20	Ocean South
Broadcast	Undetermined	339			16	7.5	Good	91					54	Ocean South
No Data	Undetermined	225	1			7.5	Good	104				0.257553765	31	
Broadcast	Undetermined	265	2		45	7.5	Poor	127				0.165352227	7.5	Ocean South
Broadcast	Undetermined	230	1		22	7.5	Good	130				0.261120687	7	
No Data	Undetermined	200			150	7.5	Good	100					12	
No Data	Undetermined	120			45	7.5	Good	130					13	Ocean South
No Data	Undetermined	230			30	7.5	Good	93				0.703755783	7	
Broadcast	Undetermined	215	4	1st	15	7.5	Good	99				0.432687946	7	SF Bay
Recovery	Undetermined	210	1		22	7.5	Good	119				0.268258872	7	
No Data	Undetermined	250			50	7.5	Good	135					13	Ocean North
No Data	Undetermined	225			45	7.5	Good	86					14	SF Bay
No Data	Undetermined	140	1		30	7.5	Good	98				0.061009075	15	
No Data	Undetermined	210			45	7.5	Good	112					12	SF Bay
Broadcast	Undetermined	220			40	7.5	Good	112					13	Ocean North
No Data	Undetermined	165	3	2nd		12.5	Good	121				0.182734801	14	
No Data	Undetermined	210	6		14	7.5	Good	89				0.129080753	14	Ocean South
Recovery	Censored	195	2		31	12.5	Fair	88	674:16:23	11.568	11.5	0.145171666	6.5	Ocean South
Recovery	Censored	210	1		24	7.5	Fair	104	800:22:00	16.826	17	0.531220644	7	SF Bay
Recovery	Censored	330	7	2nd	40	12.5	Fair	84				0.083688651	7	SF Bay

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Recovery	Mortality	237	3		43	17.5	Good	83	678:40:10	12.204	11.5	0.034019777	7	SF Bay
Recovery	Mortality	330	7	3rd	50	17.5	Fair	96	17:51:14	13.296	12	0.083685933	7	SF Bay
Recovery	Mortality	150	2		76	7.5	Good	85	6:34:33	13.763	16	0.119058419	8	Ocean South
Recovery	Mortality	175	1		30	7.5	Good	89	569:02:51	12.072	17.5		25	SF Bay
Broadcast	Mortality	185	1		45	7.5	Fair	98	14:38:04	11.872	17		26	Ocean South
Recovery	Mortality	160	1		19	7.5	Good	100	4:48:00	12.998	11.5	0.097597204	22	Ocean South
Recovery	Mortality	315	1			7.5	Fair	84	8:37:00	11.997	12	0.085038288	7	Ocean South
Recovery	Mortality	265	2		35	7.5	Fair	98	0:32:00	11.191	11.5	0.188973973	7.5	Ocean South
Recovery	Mortality	230	1		24	7.5	Good	88	104:05:15	14.222	11.5	0.217289775	7	Ocean North
Recovery	Mortality	215	2	2nd	25	12.5	Fair	100	107:20:39	13.799	12.5	0.432690989	7	Ocean North
Recovery	Mortality	215	1		47	7.5	Good	132	4:20:00	12.196	12	0.517619876	7	Ocean North
Broadcast	Survival	195	1		20	7.5	Fair	81	288:00:00	11	11.5	0.040218936	7	Delta
Broadcast	Survival	237	3		34	12.5	Fair	82	648:00:00	11	11.5	0.034019777	7	Delta
Recovery	Survival	330	7		36	7.5	Fair	94	721:16:37	13.181	12.5	0.083688651	7	
Recovery	Survival	95	1		13	7.5	Fair	123	696:00:00	14.839	16.5	0.20495	8	Ocean South
Recovery	Survival	240	2		25	7.5	Poor	85	942:41:06	12.164	11.5	0.061462397	7	San Pablo Bay
Broadcast	Survival	123	1		15	7.5	Poor	118	600:00:00	17.5	17	0.204946033	7	Delta
Recovery	Survival	200	1		24	7.5	Good	80	184:43:43	13.647	11	0.026308627	7	SF Bay
Broadcast	Survival	195	2		22	7.5	Good	92	672:00:00	11.5	11.5	0.145171666	6.5	San Pablo Bay

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Broadcast	Survival	195	1		17	7.5	Fair	99	504:00:00	16.5	16	0.291502794	7	Delta
Broadcast	Survival	240	2	2nd	30	12.5	Good	79	624:00:00	11	1.5	0.061462397	7	
Broadcast	Survival	190	1		29	7.5	Fair	122	744:00:00	12	11.5	0.076286773	7	San Pablo Bay
Recovery	Survival	75	1			7.5	Fair	99	578:09:53	18.074	17	0.078662503	7	Grizzly Bay
Broadcast	Survival	90	1		15	7.5	Good	104	720:00:00	11	10.5	0.0106	7	San Pablo Bay
Recovery	Survival	360	1		21	7.5	Fair	88	748:37:26	14.556	15	0.037194956	7	Ocean North
Recovery	Survival	195	1		44	7.5	Poor	90	800:22:00	13.163	12.5	0.162887963	22	Ocean North
Recovery	Survival	180	1		30	7.5	Good	89	554:30:26	13.538	14	0.069037948	20	Ocean North
Recovery	Survival	170	1		33	7.5	Poor	132	1128:00:00	13	11	0.081768423	25	
Recovery	Survival	365				7.5	Good	81	539:14:02	13.66	12.5		39	Ocean South
Recovery	Survival	215	1		20	7.5	Good	91	620:51:20	14.041	13		34	San Pablo Bay
Recovery	Survival	350	1		30	7.5	Good	90	586:25:58	14.019	13.5		32.5	SF Bay
Broadcast	Survival	90	1		25	7.5	Good	130	222:46:29	10.5	11.5		46.9	Grizzly Bay
Broadcast	Survival	285			21	7.5	Good	101	679:33:39	10.5	11.5		42.75	Grizzly Bay
Broadcast	Survival	180	1		50	7.5	Fair	81	96:00:00	11.5	16.5	0.144102964	20	SF Bay
Broadcast	Survival	200	2		37	7.5	Good	94	456:00:00	13	11	0.094486987	7	Grizzly Bay
Recovery	Survival	225	6		21	7.5	Good	90	703:04:05	13.43	11	0.31334	7	Ocean South
Recovery	Survival	195	1		40	7.5	Fair	109	694:40:43	12.66	11.5	0.20889655	7	SF Bay
Recovery	Survival	180	2		22	7.5	Good	88				0.279036178	7	
Recovery	Survival	180	1		21	7.5	Good	92	671:04:18	13.898	12	0.174286301	7	Ocean North

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Recovery	Survival	180	1		20	7.5	Good	110	487:27:39	12.284	12	0.064537611	15	Ocean South
Recovery	Survival	240			15	7.5	Good	125	528:00:00	10.5	11		13	
Recovery	Survival	215	2		23	7.5	Fair	87	702:28:27	10.22	11.75	0.517617868	7	Grizzly Bay
Recovery	Survival	210	3		29	7.5	Good	120	678:26:10	15.035	12	0.28501013	7	
Recovery	Survival	185	2	1st	34	7.5	Good	107	408:00:00	12	10.75	0.100089973	15	Ocean South
Recovery	Survival	185	2	2nd	37	12.5	Fair	121	528:23:07	13.02	10.5	0.100089973	15	Ocean North
Recovery	Survival	210	1		40	7.5	Good	102	747:26:13	14.663	15		22.5	Ocean North
Broadcast	Survival	165	3	1st	14	7.5	Good	104	535:39:47	11.877	12.5	0.182734801	14	San Pablo Bay
Recovery	Survival	210	3		40	7.5	Good	107	441:04:51	15	15	0.16780066	10.5	Ocean North