2011 Sturgeon Fishing Report Card: Preliminary Data Report

Jason DuBois, Teresa MacColl, and Eric Haydt

California Department of Fish and Game Bay Delta Region (East) 4001 North Wilson Way Stockton, CA 95205

23 March 2012

Summary

The 2011 Sturgeon Fishing Report Card (Card) was issued to anglers at no charge through the Automated License Data System (ALDS). Approximately 112,000 Cards were issued in 2011, which was many more than in previous years. As of 08-Mar-2012¹, 9,841 Cards were returned to the Department and 1,831 of those Cards had data on sturgeon catch.

Anglers reported the release of 89 green sturgeon, retention of 1,652 white sturgeon, and release of 3,396 white sturgeon. Anglers reported total length measurements for 27 green sturgeon (range 13-71 inches, average 31.3 inches). Of the white sturgeon retained, anglers reported total length measurements for 1,645 (range 40-66 inches², average 55.0 inches). Of the white sturgeon released, anglers reported a total length measurement for 895 fish (range 12-96 inches, average 42.9 inches).

Catch of green sturgeon was greatest in San Pablo and Suisun bays. Catch of white sturgeon was greatest in Suisun Bay and in the Sacramento River from Rio Vista to Chipps Island.

Introduction

This report summarizes data from the 2011 California Sturgeon Fishing Report Card (Card). The Card became part of a suite of sport fishing regulations in March 2007 that was intended to protect California's year-round white sturgeon fishery while increasing protections for the federally-threatened green sturgeon population and adding resiliency to the conservation-dependent white sturgeon population.

The 2011 Card was distributed to any angler at no charge exclusively³ through the Automated License Data System (ALDS) and was required of every angler — including minors, anglers fishing only from piers, and anglers fishing on 'free fishing' days — to fish for or retain a sturgeon in California.

Cards included fields for contact information, retained fish, and released fish (Appendix 1). To aid the Department's efforts to reduce illegal commercialization of sturgeon and to enforce the daily and annual bag limits on white sturgeon, the Cards included detachable single-use serially-numbered Card-specific tags to be placed on fish retained by anglers.

Information on catch of sturgeon from 2011 Cards is complementary to on-going research conducted by the Department and others and will be used in planned articles and technical reports.

Card Distribution and Return

Approximately 112,000 Cards were issued to anglers. Anglers began returning Cards almost immediately after distribution. Cards returned during and after preparation of this report began were not described here (cutoff date 08-Mar-2012¹). Nine thousand eight hundred forty-one (9,841) Cards were returned of which 4,432 had no data (effort but no catch), 3,578 indicated no fishing effort, and 1,831 had data on sturgeon catch.

Angler Data

The Card included fields for general, personal, and contact information, as well as for catch data and — if applicable — the code number of any DFG-applied disk tag (Appendix 1). Contact information included name, street address, and city.

¹ We are summarizing data at this point because the number of Cards with catch data is (roughly) the same as previous years and we can only guess how many more Cards will be returned ² See notes 1 and 2 in 'Length Data' section

³ A small subset of 2010 Cards were issued through ALDS.

Catch Data

The Card contained three sections for reporting sturgeon catch: (1) Sturgeon Retained, (2) Sturgeon Released (no reward disk present), and (3) Sturgeon Released (reward disk present). These sections included fields to report month, day, location, and reward disk number. The 'Sturgeon Retained' section also contained a field for reporting length and reminded anglers that only white sturgeon 44–66 inches total length may be retained. The 'Sturgeon Released (no reward disk present)' section also contained check boxes for species identification that some anglers also used to report fish length.

Thirty-two (32) anglers each caught one tagged sturgeon (Table 1). One of the 32 anglers reported catching (and releasing) the same tagged fish (HH1001⁴) on three separate occasions, and this tagged fish also was reportedly caught and released by two other anglers (Table 1). Of the 22 tagged white sturgeon, seven were released and 15 were retained. Of the 12 sturgeon where species was not given or unknown, all were released. No tagged green sturgeon were reported. All species were identified as white sturgeon when tagged by the Department (Table 1).

Table 1. Angler-reported tag recaptures from 2011 Card with corresponding CDFG tagging data; table sorted by date tagged

	Angler-reported Tag F	Recaptures				CDFG Tagging Data					
Date	Location	Species	Retained	Total Length (inches)	Tag Number	Date Tagged	Species	Total Length (inches)	Days at large		
18-Jan	San Pablo Bay	Unknown	No		FF0617	16-Oct-01	White	55	3,381		
7-Dec	Sacramento River: Red Bluff to Colusa	Unknown	No		HH1001	15-Aug-06	White	49	1,940		
16-Dec	Sacramento River: Rio Vista to Chipps Island	Unknown	No		HH1001 ^b	15-Aug-06	White	49	1,949		
16-Dec	Sacramento River: Knights Landing to Rio Vista	White	No		HH1001	15-Aug-06	White	49	1,949		
20-Dec	Sacramento River: Rio Vista to Chipps Island	Unknown	No		HH1001 ^b	15-Aug-06	White	49	1,953		
21-Dec	Sacramento River: Rio Vista to Chipps Island	Unknown	No		HH1001 ^b	15-Aug-06	White	49	1,954		
14-Dec	Sacramento River: Knights Landing to Rio Vista	Unknown	No		ST12137	12-Sep-06		42	1,919		
1-Feb	Sacramento River: Knights Landing to Rio Vista	Unknown	No		HH1221	16-Aug-07		54	1,265		
23-Jul	Montezuma Slough	White	Yes	47	ST12235	6-Sep-07	White	38	1,416		
25-Nov	Sacramento River: Rio Vista to Chipps Island	White	Yes	60	ST12520	10-Sep-07	White	55	1,537		
8-Mar	Yolo Bypass	White	Yes	56	FF1534	13-Sep-07	White	56	1,272		
30-Dec	Sacramento Deepwater Ship Channel	White	Yes	66	HH1526	13-Sep-07	White	58	1,569		
3-Apr	San Pablo Bay	White	Yes	50	FF1613	20-Aug-08	White	59	956		
29-Apr	Sacramento River: Colusa to Knights Landing	Unknown	No		FF1647	29-Aug-08	White	74	973		
15-Feb	Sacramento River: Rio Vista to Chipps Island	White	Yes	60	ST12661	4-Sep-08	White	57	894		
25-Dec	Sacramento River: Rio Vista to Chipps Island	White	No		HH1678	16-Sep-08	White	70	1,195		
21-May	San Pablo Bay	White	No		ST12421	2-Oct-08	White	43	961		
23-Apr	Grizzly Bay	White	Yes	47	FF1446	9-Oct-08	White	44	926		
22-Jan	Suisun Bay	White	Yes	49	HH1466	20-Oct-08	White	44	824		
4-May	Sacramento River: Rio Vista to Chipps Island	White	Yes	46	FF1598	17-Aug-09	White	41	625		
30-Dec	Grizzly Bay	White	Yes	48	HH1277	18-Aug-09	White	50	864		
11-Dec	Sacramento River: Knights Landing to Rio Vista	White	No		ST12700	2-Sep-09	White	44	830		
24-Dec	Napa River	White	Yes	52	FF1792	6-Oct-09	White	47	809		
4-Apr	San Pablo Bay	Unknown	No		HH1823	21-Oct-09	White	43	530		
19-Apr	San Pablo Bay	White	No		ST12824	21-Oct-09	White	48	545		
4-Feb	Suisun Bay	Unknown	No		FF1870	12-Aug-10		41	176		
25-Nov	Carquinez Strait	White	Yes	55	FF1911	27-Sep-10		53	424		
19-Nov	Sacramento River: Rio Vista to Chipps Island	White	Yes	53	HH1916	28-Sep-10		49	417		
21-May	Montezuma Slough	White	No		ST12853	14-Oct-10	White	43	219		
7-Nov	Sacramento River: Rio Vista to Chipps Island	White	No	58	FF2143	13-Sep-11	White	58	55		
12-Nov	Sacramento River: Rio Vista to Chipps Island	White	Yes	60	ST13157	27-Sep-11	White	59	46		
31-Dec	San Francisco Bay: South of Hwy 80	White	Yes	47	HH2175	17-Oct-11	White	50	75		
27-Mar	San Pablo Bay	Unknown	No		1843	а	White	а	а		
19-Jun	San Pablo Bay	Unknown	No		1856	а	White	а	а		

^aCannot determine with partial tag number supplied

^bReported by the same angler

Catch data — Anglers reported releasing 89 green sturgeon, while keeping 1,652 white sturgeon and releasing 3,396 white sturgeon (Table 2). Thirty-two (32) sturgeon were not identified to species.

⁴ We contacted (by phone) the 3 anglers who reported catching tagged fish HH1001, but have not yet been able to confirm the accuracy of their accounts and we believe the accounts are inaccurate.

		White Sturgeon	Green Sturgeon	Unidentified Sturgeon	Overall Total
	Measured	1,645	-	-	1,645
Retained	Not Measured	7	-	-	7
	Total	1,652	-	-	1,652
	Measured	895	27	2	924
Released	Not Measured	2,501	62	30	2,593
	Total	3,396	89	32	3,517
	Overall Total	5,048	89	32	5,169

Table 2. White sturgeon and green sturgeon catch reported on 2011 Cards

One thousand two hundred thirty-four (1,234) anglers reported retaining white sturgeon (Table 3; average of 1.3 sturgeon). Seventy-one (71) anglers retained the limit of three white sturgeon.

One thousand forty-four (1,044) anglers reported releasing white sturgeon (Table 3). Of these anglers, 71 each released 10-60 fish, and one angler released 79 fish.

Sixty-six (66) anglers reported releasing green sturgeon (Table 3; average of 1.3 sturgeon). Of these anglers, 14 each released 2-5 fish, and one angler reported releasing five fish.

	Number of Anglers	Number of Sturgeon	Maximum Number of Sturgeon per Angler	Average Number of Sturgeon per Angler
Retained White Sturgeon	1,234	1,652	3	1.3
Released White Sturgeon	1,044	3,396	79	3.3
Green Sturgeon	66	89	5	1.3
Unidentified Sturgeon	25	32	4	1.3

Of the 1,817 anglers who caught white sturgeon, 228^5 anglers retained and released white sturgeon on the same day (average = 1.6 anglers/day, maximum = 5 anglers/day). Of those 228 anglers, one released nine on the same day. Because the length of sturgeon released was not a required field on the Card, the number of white sturgeon voluntarily conserved could not be calculated.

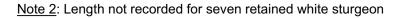
Length data — Green sturgeon total length ranged 13.0-71.0 inches and averaged 31.3 inches (Figure 1). Retained white sturgeon total length ranged 40.0-66.0 inches (see Notes 1 and 2 below) and averaged 55.0 inches (Figure 2). Released white sturgeon total length⁶ ranged 12.0-96.0 inches and averaged 42.9 inches (Figure 3).

Lengths of retained white sturgeon were skewed slightly to the lower end of the slot limit (46-66 inches total length; Figure 2). Of the released white sturgeon for which a length measurement was reported, 174 were within the slot limit (Figure 3), the majority was below the slot limit (N = 600) and 121 were above the slot limit.

⁵ Four individual anglers retained and released white sturgeon on three separate days, 25 individual anglers retained and released white sturgeon on two separate days, and 166 individual anglers retained and released white sturgeon on one day.

⁶ Length of released fish is not a required field, but many anglers volunteered the information.

<u>Note 1</u>: We spoke directly to angler who recorded keeping the 40-inch white sturgeon. The angler said it was a 'keeper', kept the fish, and (although '40' is clearly written on the Card) must have recorded length incorrectly.



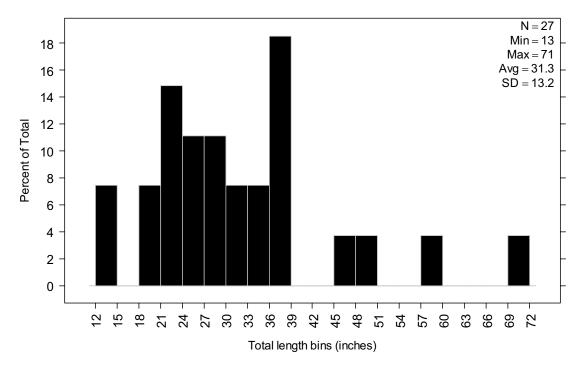


Figure 1. Length frequency distribution of green sturgeon reported on 2011 Cards

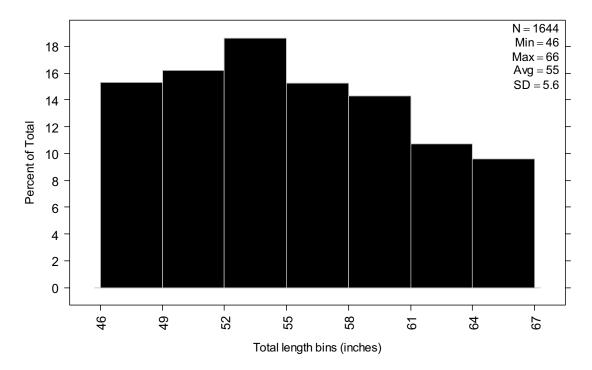


Figure 2. Length frequency distribution of white sturgeon retained as reported on 2011 Cards; figure does not included a 40-inch fish reported as retained by angler

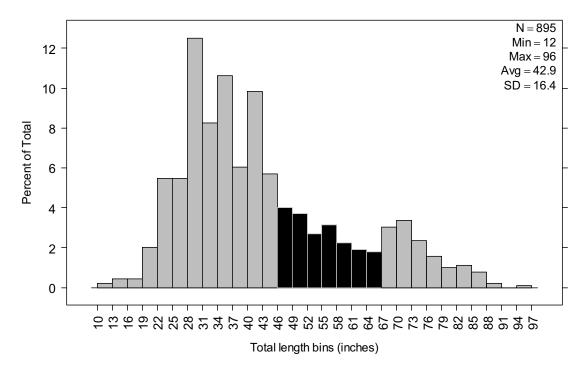


Figure 3. Length frequency distribution of white sturgeon released as reported on 2011 Cards (dark bars denote slot limit of 46–66 inches TL)

Seasonality — Catch per month ranged from approximately 10-16% of the total sturgeon catch (N = 5,169) for each of the following months: January; February; March; April; November; and December (Table 4). For all other months, catch was $\leq 8.0\%$ of total.

Month	White Sturgeon	Green Sturgeon	Unknown Sturgeon	Catch Total	Percent of Total
Not given	23	-	1	24	0.5%
January	629	7	3	639	12.4%
February	678	7	6	691	13.4%
March	590	14	1	605	11.7%
April	594	8	4	606	11.7%
May	404	11	-	415	8.0%
June	367	10	3	380	7.4%
July	179	8	1	188	3.6%
August	88	2	1	91	1.8%
September	124	4	-	128	2.5%
October	281	5	-	286	5.5%
November	562	9	3	574	11.1%
December	529	4	9	542	10.5%
Totals	5,048	89	32	5,169	

Table 4, G	reen sturgeon an	d white sturgeon	catch per mont	h for 2011
	con sturgeon an	a winte stargeon	caton per mont	

Location data — Sturgeon were collected from 26^7 of the 28 locations listed on the Card (Figure 4; see note below). For the present purposes, locations where 1-50 sturgeon were collected were grouped as 'All Other Locations' (N = 15). Location codes were either not specified or were illegible (grouped as 'Unknown') for 21 retained white sturgeon, 32 released white sturgeon, one green sturgeon, and one unidentified sturgeon.

Note: Five entries were made for Location 1 (currently not offered as a location choice on the Card), and one entry was made for Location 1B. Of the five anglers reporting Location 1, one angler fished Location 3; the others only reported fishing Location 1. The angler reported having fished Location 1B also fished in Locations 3 and 4, and by the looks of the cross-out on the Card, may have intended to write '3' instead of '1B'. For summary purposes, we considered all locations reported as '1' as 'unknown'.

Catch of green sturgeon was greatest in San Pablo and Suisun bays (Table 5). Catch of white sturgeon was greatest in Suisun Bay and in the Sacramento River from Rio Vista to Chipps Island (Tables 6 and 7). Sixty-nine (69) percent of anglers who reported catching white sturgeon (N = 1,256), caught 1-2 fish each (Figure 5).

⁷ Absent were locations '24' – Pacific Ocean (Point Sur to San Diego) and '26' – Klamath River

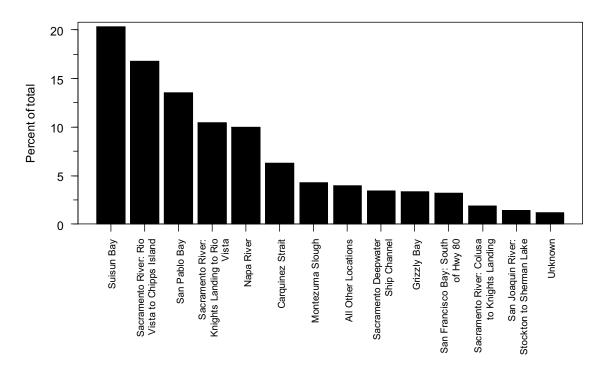


Figure 4. Percent of total catch of all sturgeon by location as reported on 2011 Cards

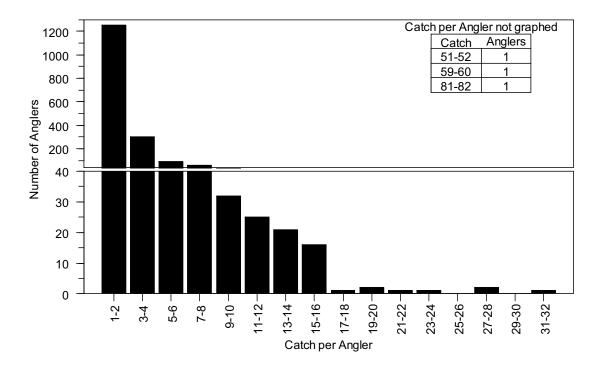


Figure 5. Frequency distribution of white sturgeon catch per angler as reported on 2011 Cards; catch per angler > 32 presented as table in upper-right corner of plot; y-axis break at 40 for ease of display

Table 5. Green sturgeon catch and length statistics by location and season as provided on 2011 Cards. The five locations where total catch was highest were ranked. Seasons were defined as follows: Winter=December-February, Spring= March-May, Summer=June-August, Fall=September-November.

Location Code	Location Name	Rank of Catch	Number of Anglers	No Date of Capture	Winter Catch	Spring Catch	Summer Catch	Fall Catch	Total Catch	Number Measured	Minimum Length (inches)	Maximum Length (inches)	Average Length (inches)
Unknown	Unknown		1	-	-	-	-	1	1	1	20	20	20.0
1A	Sacramento River: Upstream of Red Bluff		-	-	-	-	-	-	-	-			
1B	Sacramento River: Red Bluff to Hwy 32 Bridge		-	-	-	-	-	-	-	-			
1C	Sacramento River: Hwy 32 Bridge to Colusa		-	-	-	-	-	-	-	-			
2	Sacramento River: Colusa to Knights Landing		4	-	-	4	-	-	4	-			
3	Sacramento River: Knights Landing to Rio Vista	4	6	-	4	2	-	1	7	3	14	71	34.3
4	Sacramento River: Rio Vista to Chipps Island	5	6	-	2	1	2	1	6	2	28	29	28.5
5	Feather River		1	-	-	1	-	-	1	-			
6	American River		-	-	-	-	-	-	-	-			
7	Sacramento Deepwater Ship Channel		1	-	-	-	-	1	1	1	21	21	21.0
8	Yolo Bypass		-	-	-	-	-	-	-	-			
9	Montezuma Slough		2	-	2	-	-	-	2	2	22	24	23.0
10	Napa River		3	-	-	4	-	-	4	-			
11	Petaluma River		-	-	-	-	-	-	-	-			
12	San Joaquin River: Upstream of Hwy 140 Bridge		-	-	-	-	-	-	-	-			
13	San Joaquin River: Hwy 140 Bridge to Stockton		-	-	-	-	-	-	-	-			
14	San Joaquin River: Stockton to Sherman Lake		4	-	-	1	1	2	4	-			
15	Old River		-	-	-	-	-	-	-	-			
16	San Pablo Bay	1	19	-	6	9	11	2	28	11	21	59	37.5
17	Carquinez Strait	3	6	-	1	3	2	2	8	1	30	30	30.0
18	Suisun Bay	2	15	-	2	8	4	6	20	4	13	27	21.8
19	Grizzly Bay		2	-	1	-	-	2	3	2	33	36	34.5
20	San Francisco Bay: North of Hwy 80		-	-	-	-	-	-	-	-			
21	San Francisco Bay: South of Hwy 80		-	-	-	-	-	-	-	-			
22	Pacific Ocean: North of Golden Gate Bridge		-	-	-	-	-	-	-	-			
23	Pacific Ocean: Golden Gate Bridge to Point Sur		-	-	-	-	-	-	-	-			
24	Pacific Ocean: Point Sur to San Diego		-	-	-	-	-	-	-	-			
25	Any reservoir or lake		-	-	-	-	-	-	-	-			
26	Klamath River		-	-	-	-	-	-	-	-			

* = 4 anglers fished and caught a green sturgeon at 2 different locations, 62 anglers fished and caught a green sturgeon at 1 location

2011 Sturgeon Fishing Report Card: Preliminary Data Report (23 March 2012)

Page 9 of 13

Table 6. Retained white sturgeon catch and length statistics by location and season as provided on 2011 Cards. The five locations where total catch was highest were ranked. Seasons were defined as follows: Winter=December-February, Spring= March-May, Summer=June-August, Fall=September-November.

Location Code	Location Name	Rank of Catch	Number of Anglers	No Date of Capture	Winter Catch	Spring Catch	Summer Catch	Fall Catch	Total Catch	Number Measured	Minimum Length (inches)	Maximum Length (inches)	Average Length (inches)
Unknown	Unknown		21	-	12	6	1	5	24	22	46	66	57.8
1A	Sacramento River: Upstream of Red Bluff		5	-	2	2	-	1	5	5	46	60	52.8
1B	Sacramento River: Red Bluff to Hwy 32 Bridge		1	-	1	-	-	-	1	1	49	49	49.0
1C	Sacramento River: Hwy 32 Bridge to Colusa		12	-	3	6	1	2	12	12	51	62	55.9
2	Sacramento River: Colusa to Knights Landing		46	-	17	35	-	1	53	51	46	66	56.6
3	Sacramento River: Knights Landing to Rio Vista	2	188	1	125	89	2	40	257	257	46	66	56.8
4	Sacramento River: Rio Vista to Chipps Island	1	224	-	85	75	12	123	295	293	46	66	55.2
5	Feather River		7	-	-	9	-	-	9	9	47	65	58.3
6	American River		3	-	1	1	-	1	3	3	48	58	53.0
7	Sacramento Deepwater Ship Channel		45	2	27	12	1	13	55	55	46	66	55.2
8	Yolo Bypass		23	-	11	10	-	5	26	26	47	65	57.4
9	Montezuma Slough		41	-	12	17	8	9	46	46	46	66	54.6
10	Napa River		70	-	21	38	22	2	83	83	40	66	54.1
11	Petaluma River		8	-	1	9	1	1	12	12	46	61	53.9
12	San Joaquin River: Upstream of Hwy 140 Bridge		4	-	1	2	-	1	4	4	52	58	54.2
13	San Joaquin River: Hwy 140 Bridge to Stockton		1	-	1	-	-	-	1	1	62	62	62.0
14	San Joaquin River: Stockton to Sherman Lake		19	-	9	4	1	9	23	23	47	63	53.4
15	Old River		1	-	-	-	1	1	2	2	60	61	60.5
16	San Pablo Bay	4	193	1	91	103	42	8	245	245	46	66	53.6
17	Carquinez Strait	5	91	1	10	50	32	16	109	109	46	66	54.9
18	Suisun Bay	3	200	-	90	66	30	61	247	246	46	66	54.3
19	Grizzly Bay		36	-	12	13	5	10	40	40	47	66	53.6
20	San Francisco Bay: North of Hwy 80		10	-	11	1	-	2	14	14	50	61	55.5
21	San Francisco Bay: South of Hwy 80		64	-	60	9	3	13	85	85	46	66	54.6
22	Pacific Ocean: North of Golden Gate Bridge		1	-	1	-	-	-	1	1	55	55	55.0
23	Pacific Ocean: Golden Gate Bridge to Point Sur		-	-	-	-	-	-	-	-			
24	Pacific Ocean: Point Sur to San Diego		-	-	-	-	-	-	-	-			
25	Any reservoir or lake		-	-	-	-	-	-	-	-			
26	Klamath River		-	-	-	-	-	-	-	-			
		Totals	1,314*	5	604	557	162	324	1,652	1,645			

* = 2 anglers caught and retained fish at 3 different locations, 76 anglers caught and retained fish at 2 different locations, and 1,156 anglers caught and retained fish at 1 location Location recorded as "1" (N=1, winter; N=2, spring) included in location Unknown; Location 10 includes fish reported kept at 40 inches

2011 Sturgeon Fishing Report Card: Preliminary Data Report (23 March 2012)

Page 10 of 13

Table 7. Released white sturgeon catch and length statistics by location and season as provided on 2011 Cards. The five locations where total catch was highest were ranked. Seasons were defined as follows: Winter=December-February, Spring= March-May, Summer=June-August, Fall=September-November

Location Code	Location Name	Rank of Catch	Number of Anglers	No Date of Capture	Winter Catch	Spring Catch	Summer Catch	Fall Catch	Total Catch	Number Measured	Minimum Length (inches)	Maximum Length (inches)	Average Length (inches)
Unknown	Unknown		18	-	12	6	1	14	33	6	40	57	48.7
1A	Sacramento River: Upstream of Red Bluff		1	-	1	-	-	-	1	1	75	75	75.0
1B	Sacramento River: Red Bluff to Hwy 32 Bridge		-	-	-	-	-	-	-	-			
1C	Sacramento River: Hwy 32 Bridge to Colusa		5	-	7	5	-	-	12	3	46	78	63.3
2	Sacramento River: Colusa to Knights Landing		18	-	11	25	3	-	39	2	76	81	78.5
3	Sacramento River: Knights Landing to Rio Vista	5	119	-	146	61	6	61	274	50	18	84	48.6
4	Sacramento River: Rio Vista to Chipps Island	2	216	2	208	118	32	199	559	88	15	80	43.7
5	Feather River		5	-	3	9	-	-	12	-			
6	American River		-	-	-	-	-	-	-	-			
7	Sacramento Deepwater Ship Channel		53	-	63	21	2	35	121	28	25	76	42.2
8	Yolo Bypass		14	-	9	13	-	2	24	12	32	86	56.3
9	Montezuma Slough		70	-	48	63	34	27	172	59	20	86	46.8
10	Napa River	3	108	-	73	189	149	17	428	199	12	88	40.5
11	Petaluma River		20	-	11	17	-	3	31	10	24	81	44.6
12	San Joaquin River: Upstream of Hwy 140 Bridge		3	-	2	-	3	-	5	-			
13	San Joaquin River: Hwy 140 Bridge to Stockton		1	-	-	-	-	1	1	-			
14	San Joaquin River: Stockton to Sherman Lake		18	-	11	18	7	7	43	6	22	74	40.7
15	Old River		1	-	4	-	1	1	6	-			
16	San Pablo Bay	4	161	-	165	158	76	21	420	82	24	87	44.1
17	Carquinez Strait		95	6	39	82	43	38	208	34	24	72	39.0
18	Suisun Bay	1	236	9	313	181	95	181	779	233	12	86	37.9
19	Grizzly Bay		56		47	47	13	20	127	29	20	96	45.4
20	San Francisco Bay: North of Hwy 80		8	-	16	1	-	1	18	2	67	77	72.0
21	San Francisco Bay: South of Hwy 80		44	1	43	16	7	15	82	51	20	85	54.8
22	Pacific Ocean: North of Golden Gate Bridge		-	-	-	-	-	-	-	-			
23	Pacific Ocean: Golden Gate Bridge to Point Sur		1	-	-	1	-	-	1	-			
24	Pacific Ocean: Point Sur to San Diego		-	-	-	-	-	-	-	-			
25	Any reservoir or lake		-	-	-	-	-	-	-	-			
26	Klamath River		-	-	-	-	-	-	-	-			
		Totals	1,271*	18	1,232	1,031	472	643	3,396	895			

* = 3 anglers caught and released fish at 6 different locations, 2 anglers caught and released fish at 5 different locations, 7 anglers caught and released fish at 4 different locations, 2 anglers caught and released fish at 5 different locations, 7 anglers caught and released fish at 4 different locations, 2 anglers caught and released fish at 2 different locations, 7 anglers caught and released fish at 4 different locations, 2 anglers caught and released fish at 3 different locations, 139 anglers caught and released fish at 2 different locations, and 871 anglers caught and released fish at 1 location Location recorded as "1" (N=1, spring) included in location Unknown

2011 Sturgeon Fishing Report Card: Preliminary Data Report (23 March 2012)

Page 11 of 13

Discussion

The 2011 Sturgeon Fishing Report Cards provided pertinent information for relatively little cost. We recommend continuing use of Sturgeon Fishing Report Cards.

Highlights of information from 2011 Cards include the following:

- (1) Nine white sturgeon were reported to have been caught in Location 12 (San Joaquin River, upstream of Highway 140 Bridge) by 6 anglers. Because occurrence of sturgeon in this reach of the San Joaquin River is rare, we contacted each of the 6⁸ anglers to confirm their reporting. We could not make contact with 5 of the 6 (i.e., did not return our call; number no longer in service). One of the 6 confirmed catching the fish in Location 12.
- (2) The fraction of unidentified sturgeon (0.6%) was about half of last year's record high of 1.3%.
- (3) Recapture data (32 disk-tagged fish caught and reported) will be used to augment markrecapture data used by the Department's sturgeon population study, and thus are important for the precision and perhaps accuracy of estimates of abundance, harvest rate, and survival rate.
- (4) Approximately twice as many 2011 Cards were issued than had been issued in any previous year, which is likely attributable to use of the ALDS system.
- (5) More than half the anglers who fished for sturgeon were not successful and successful anglers retained on average less than half the annual bag limit of three white sturgeon.

Bibliography

DuBois J, Gingras M, Aasen, G. 2011. Status and Trends of San Francisco Estuary White Sturgeon. Interagency Ecological Program for the San Francisco Estuary Newsletter 24(1).

DuBois J, Gingras M. 2011. Using Harvest Rate and Harvest to Estimate White Sturgeon Abundance. Interagency Ecological Program for the San Francisco Estuary Newsletter 24(3).

For more literature click on additional bibliography.

Acknowledgements

This effort was funded in part by the Sport Fish Restoration Act and the Interagency Ecological Program. Special thanks to Eva Olin and Richard Lescalleet for sorting some returned Cards. Very special thanks to all anglers who returned Cards and provided valuable information on Card format/function.

 $^{^{8}}$ Was actually 11 anglers, but we confirmed — based on their description to us of where each was fishing — 5 of them had reported the incorrect location

Appendix 1. Scan of ALDS California Sturgeon Fishing Report Card (color = blue-ish grey)

12. State OF CALIFORNIA DESTINATION OF CALIFORNIA CALIFORNIA INFORMATION OF CALIFORNIA CALIFORNIA DESTINATION OF CALIFORNIA CALIFORNIA DESTINATION OF CALIFORNIA CALIFORNIA DESTINATION OF CALIFORNIA DESTINATION DESTINATION OF CALIFORNIA DESTINATION DESTINATION OF CALIFORNIA DESTINATION DESTINATION OF CALIFORNIA DESTINATION DESTINATION DESTINATION OF CALIFORNIA DESTINATION DESTINATION OF CALIFORNIA DESTINATION DESTINATION DESTINATION DESTINATION DESTINATION DESTINATION DESTINATION DESTINATION DESTINATION DESTINATION DESTINATION DESTINATION DESTINATION DE	GO IE STAT JOHN 1234 ROSE SEX: HT: Doc No Trans: C Rem Sturged Must ha ege or f	EPARTI URGEC Valid U E 101966 E 1D: C3 I DOE NORTH EVILLE, M DO0400000002 I 1079 B 1070 D 004000 D 004000 D 004000 D D 004000 D D 004000 D D D D D D D D D D D D D D D D D D	DN FISH 03/14/20 0-0004 29503 33**** C LANE CA 9567 141R: Bis VT: 170 9592-8 13441 1102 Report Cas cable applic urcharge. port Shing a public pie GEON FISH	ING REC 00958 00958 A 78 78 78 78 78 78 78 78 78 78	YES: Bro OB: 03/1 iet No: 3100 agent hand less under 1 waters. orr CARD turgeon 46-	wn 14/1990 06-001 34 AM Fee' 50:00 fotal: 50:00 ling fees 16 years of 66 Inches DISK # (f
STATE OF CALIFORNIA DEPARTMENT OF FISH AND GAME INSTRUCTORS FOR STURGEON FISHING ARCLERS Tills 14, Section 174, 5.79 and 27.92, of the California Code of Regulations requere that this card be in your possession while your calch and this card be in your possession while synthesis and the section of the California Code of Regulations requere that this card be in your possession while the section of the section of the California Code of Regulations requere that in a cardinate with these indructions. Use a ball point pen with indelible ink to make a new entry for each sturgeon retained or released. If your retain a sturgeon, immediately record the following information below under the heading STURGEON RETAINED 1. Record the negate that in an account of the sturgeon. 2. Use tags in sequential arder. Do not remove sturgeon tags from the report card until immediately prior to affixing to a sturgeon. Any tags detached footin code, and the total length (inches) of the sturgeon; retained on the tag located at the eact of the sturgeon retained on the tag located at the bottom of this card. Using scissor, completely detach the tag from the card and attach it to the sturgeon. To affix the tag a zipt (inches) of the sturgeon retained on the tag and takehed to the fish. 5. Once a sturgeon has a DFC-affixed reward disk, the the eard disk number in the space provided 5. Once a sturgeon has a DFC-affixed reward disk present, immediately record the information below under the heading STURGEON RELEASED. NO REWARD DISK RESENT. If a reward disk number, under the Bassing STURGEON 2. Record the normation below including the reward disk number in the Bassing STURGEON 1. Record the normation below including the reward disk number in the space provided 2. Addate the species of sturgeon released by marking an 'X in the WHIT & String for Sturgeon tags beard disk, write the reward disk number in the space provided 3. The sturgeon has a DFC-affixed reward disk, write the reward disk number in the space provided.	GO IE STAT JOHN 1234 ROSE SEX: HT: Doc No: Trans: C Trans: C Trans: C Rem Sturger 'Include and lice Must ha ege or fi	Valid (C: 101966 E ID: C3 I DOE NORTH VILLE, NORTH EVILLE, NORTH STR Star Star Star Composition Star Sta	D-0004 29503 33**** C LANE CA 9563 IAIR: BIA VT: 170 5592-8 13441 1102 Report Car Report Car Report Car Report Car Report Car Report Car a public ple GEON FISH	112 to 1 00958 A 78 78 78 78 78 78 78 78 78 78	YES: Bro OB: 03/1 let No: 3100 ur2012 9:33: agent hand less under 1 waters. ORT CARD ORT CARD ORT CARD ORT CARD	WN 14/1990 06:001 34:AM Feet 50:00 fotal: 50:00 ling fees 16 years of 66 Inches DISK # pt
STATE OF CALIFORNIA DEPARTMENT OF FISH AND GAME INSTRUCTORS FOR STURGEON FISHING ARCLERS Tills 41, Section 1.74, 5.79 and 27.92, of the California Code of Regulations require that this card be in your possession while your calch and fug each stuggeon taken in accroadnes with these indructions. Use a ball point pen with indelible ink to make a new entry for each stuggeon reteined or released. If your retain a stuggeon, immediately record the following information below under the heading STURGEON RETAINED. 1. Record the negoted taken in accroadnes with these indructions. Use a ball point pen with indelible ink to make a new entry for each stuggeon reteined or released. If your retains a stuggeon, immediately record the following information below under the heading STURGEON RETAINED. 1. Record the negoted active to a study of the stuggeon. 2. Use tags in sequential order. Do not remove sturgeon tags from the report card until immediately prior to affixing to a stuggeon Any tage datached footin code, and the total length (inches) of the sturgeon; canyletely deliach the tag from the card and attach it to the sturgeon. To affix the tag a zip the stuggeon has a DFG-affixed reward disk, the tag from the card and attach it to the sturgeon. To affix the tag a the card and attach it to the sturgeon the tag and attached to the fish. 6. Once a sturgeon has a DFG-affixed reward disk present, immediately record the information below under the heading STURGEON RELEASED. NO REWARD DISK RESENT. If a reward disk number in the space provided 2. Acctae the space bar of DFG-affixed reward disk, write the calendar year.	STAT JOHN 1234 ROSE SEX: HT: Doc No: Trans: 0 Trans: 0 Trans: 0 Trans: 0 Trans: 0 Trans: 0 Trans: 0 Trans: 0 Trans: 0 Sturger	CI 101966 E ID: C3 I DOE NORTH EVILLE, MA D. 0004000 00000001279 m Fishing s any appli- nn Fishing for STUR STUR DAY	D-0004 29503 i33**** C LANE CA 956; IAIR: Bia VT: 17(592:8 11341 1102 Report Ca cable applic port fishing a public pie geon Fish AINED (on tal length r Locafron	00958 A % kck E) D Out 314 d ation fees, license unit r in ocean tino cean tino cean	YES: Bro OB: 03/1 B: 03/1 Ident No: 3100 I/2012 9:33:	WN 14/1990 06:001 34:AM Feet \$0:00 fotal: \$0:00 fotal: \$0
STATE OF CALIFORNIA DEPARTMENT OF FISH AND GAME INSTRUCTORS FOR STURGEON FISHING ARCLERS Tills 41, Section 1.74, 5.79 and 27.92, of the California Code of Regulations require that this card be in your possession while your calch and fug each stuggeon taken in accroadnes with these indructions. Use a ball point pen with indelible ink to make a new entry for each stuggeon reteined or released. If your retain a stuggeon, immediately record the following information below under the heading STURGEON RETAINED. 1. Record the negoted taken in accroadnes with these indructions. Use a ball point pen with indelible ink to make a new entry for each stuggeon reteined or released. If your retains a stuggeon, immediately record the following information below under the heading STURGEON RETAINED. 1. Record the negoted active to a study of the stuggeon. 2. Use tags in sequential order. Do not remove sturgeon tags from the report card until immediately prior to affixing to a stuggeon Any tage datached footin code, and the total length (inches) of the sturgeon; canyletely deliach the tag from the card and attach it to the sturgeon. To affix the tag a zip the stuggeon has a DFG-affixed reward disk, the tag from the card and attach it to the sturgeon. To affix the tag a the card and attach it to the sturgeon the tag and attached to the fish. 6. Once a sturgeon has a DFG-affixed reward disk present, immediately record the information below under the heading STURGEON RELEASED. NO REWARD DISK RESENT. If a reward disk number in the space provided 2. Acctae the space bar of DFG-affixed reward disk, write the calendar year.	STAT JOHN 1234 ROSE SEX: HT: Doc No: Trans: 0 Trans: 0 Trans: 0 Trans: 0 Trans: 0 Trans: 0 Trans: 0 Trans: 0 Trans: 0 Sturger	E ID: C3 I DOE NORTH EVILLE, M I I I I I I I I I I I I I I I I I I I	29503 33**** C LANE CA 9567 IAIR: Bla VT: 17(9592-8 13441 1102 Report Cas cable applic urcharge. port fishing a public pic GEON FISH AINED (On tal length r LICCATION	A 78 10 CK EV 0 Out 3/14 d d d d icense unla in ocean in ocean IING REPO by white sta may be ref	YES: Bro OB: 03/1 let No: 3100 u/2012 9:33: , agent hand less under 1 waters. ORT CARD turgeon 46- ained.) REWARD	14/1990 06:001 34:AM Fee" \$0:00 Fotal: \$0:00 Fotal: \$0:00
DEPARTMENT OF FISH AND GAME INSTRUCTIONS FOR STURGEON FISHING ANGLERS TITLE 14, Section 174, 5.79 and 27.92, of the California Code of Regulations require that this car do be in your possession while shing for stargeon in California waters and the you record your calch and tag each sturgeon taken in accordance with these instructions. Use as all point per with indible ink to make a new entry for each sturgeon retained or released. If your relina 34 surgeon, immediately secord the following information below under the heading STURGEON RETAINED. 1. Record the negate distribution code, and the total length (inches) of the sturgeon. Sturgeon Any tags delached forms for to all sing to a sturgeon any tags delached forms the report card and the form the report card until immediately prior to all sing to a sturgeon any tags delached forms code, and the total length (inches) of the sturgeon; retained on the tag located at the bottom of this card until immediately prior to all sing to a sturgeon any testing do the sturgeon. To all with the tag from the report card until in the sturgeon. To all with the sturgeon has a DFG-allised reward disk, write the the out the sturgeon base a DFG-allised reward disk, write the colored sturgeon has a DFG-allised reward disk, write the calendar year. If your release a sturgeon with no reward disk present, immediately record the information below under the heading STURGEON RELEASED. NO REWARD DISK PRESENT. If a reward disk number of the space provided. 2. Acdate the species of sturgeon released by marking an 'X' in the WWITE G CREPAN DOCK MERESENT. 3. Brits burgeon has a DFG-allised reward disk, write the reward disk number; under the heading STURGEON RELEASED. NO REWARD DISK PRESENT. 1. RELEASED. PAGEND NO REVERSENT 2. Addate the species of sturgeon released by marking an 'X' in the WWITE G STURGEON has a DFG-allised reward disk, write the reward disk number; number and the space provided. EXAMELSE ACEED ACOMEND ACE MERESENT 3. If the sturgeon has a	STAT JOHN 1234 ROSE SEX: HT: Doc No: Trans: 0 Trans: 0 Trans: 0 Trans: 0 Trans: 0 Trans: 0 Trans: 0 Trans: 0 Trans: 0 Sturger	E ID: C3 I DOE NORTH EVILLE, M I I I I I I I I I I I I I I I I I I I	29503 33**** C LANE CA 9567 IAIR: Bla VT: 17(9592-8 13441 1102 Report Cas cable applic urcharge. port fishing a public pic GEON FISH AINED (On tal length r LICCATION	A 78 10 CK EV 0 Out 3/14 d d d d icense unla in ocean in ocean IING REPO by white sta may be ref	YES: Bro OB: 03/1 let No: 3100 u/2012 9:33: , agent hand less under 1 waters. ORT CARD turgeon 46- ained.) REWARD	14/1990 06:001 34:AM Fee" \$0:00 Fotal: \$0:00 Fotal: \$0:00
Tille 14. Section 174. 578 and 27.92. of the California Code of Regulations regule has this cale is now provision while shing for sturgeon in California writes and the type record the to make a new entry for each sturgeon taken in accordance with these instructions. Use a ball point pen with indelible ink to make a new entry for each sturgeon reteined or released. If you retain a sturgeon, immediately record the following information below under the heading STURGEON RETANED. 1. Record the month, day, to calino code, and the total length (inches) of the surgeon. 2. Use tags in sequential or del. Do not remove sturgeon tags from the report card on the sturgeon. 3. Record the month, day, to calino code, and the total length (inches) of the sturgeon retained on the tag located at the obtain sturgen tags to the sturgeon retained on the tag located at the bottom of this card. Using scissor, completely delach the fore the sturgeon tag a "zit tota". So once a sturgeon has a Deconsidered used and therefore inweld with the sturgeon retained on the tag and tached to the sturgeon has a DFG-atticed text write the reward disk number in the space provided is the sturgeon has a DFG-atticed text math. Be and stached to the day. Once there sturgeon have been retained, you must top fishing for sturgeon bas the retained, you must stop fishing for sturgeon bas the read information below under the heading STURGEON RELEASED. NO REVARD DISK PRESENT. If a reward disk number in the space provided is the space is form the space and the space and the early sturgeon have been retained. The space and the space is formation below under the heading STURGEON RELEASED. NO REVARD DISK PRESENT. If a reward disk number in the space provided.	STAT JOHN 1234 ROSE SEX: HT: Doc No: Trans: 0 Trans: 0 Trans: 0 Trans: 0 Trans: 0 Trans: 0 Trans: 0 Trans: 0 Trans: 0 Sturger	E ID: C3 I DOE NORTH EVILLE, M I I I I I I I I I I I I I I I I I I I	29503 33**** C LANE CA 9567 IAIR: Bla VT: 17(9592-8 13441 1102 Report Cas cable applic urcharge. port fishing a public pic GEON FISH AINED (On tal length r LICCATION	A 78 10 CK EV 0 Out 3/14 d d d d icense unla in ocean in ocean IING REPO by white sta may be ref	YES: Bro OB: 03/1 let No: 3100 u/2012 9:33: , agent hand less under 1 waters. ORT CARD turgeon 46- ained.) REWARD	14/1990 06:001 34:AM Fee" \$0:00 Fotal: \$0:00 Fotal: \$0:00
Regulations require that this card be in your possession while shing for strugono in California waters and they your ecord your calch and tag each sturgeon taken in accordance with these instructions. Use as tail point pen with indibile ink to make a new entry for each sturgeon taken in accordance with these instructions. Use as tail point pen with indibile ink to make a new entry for each sturgeon retained or released. If your retain a sturgeon, immediately scord the following information below under the heading STURGEON RETAINED. 1. Record the surgeon. 2. Use tags in sequential order. Do not remove sturgeon tags from the report card until immediately prior to affining to a sturgeon. Any tags diatched form the report card and in affined to a sturgeon intellined on the tag located at the bottom of this card. Using scissors, completely delach the tag from the card and attach it to the sturgeon. To affix the tag a tag from the card and attach it to the sturgeon. To affix the tag a the sturgeon has a DFG-affixed reward disk, write the reword disk number in the space provided. sturgeon for the day. Once three sturgeon have been refained to be sturgeon the a DFG-affixed reward disk, write the calendar year. If your release a sturgeon with no reward disk present, immediately record the information below under the heading STURGEON RELEASED. NO REVARD DISK PRESENT If a reward disk number; under the ResENT If RELEASED. PREVARD DISK PRESENT If RELEASED. PREVARD DISK PRESENT If RELEASED. PREVARD DISK PRESENT If RELEASED. REVARD DISK PRESENT If a reward disk number; more space provided. 2. Addet the species of sturgeon released by marking an 'X' in the WHITE & GOREDN to DISK PRESENT If a reward disk number; number the space provided. 2. Addet the species of sturgeon released by marking an 'X' in the WHITE & GOREDN to DISK PRESENT If a reward disk number in the space provided. 2. Addet the species of sturgeon released by marking an 'X' in the WHITE & GOREDN to DISK PRESENT If a reward	STAT JOHN 1234 ROSE SEX: HT: Doc No: Trans: 0 Trans: 0 Trans: 0 Trans: 0 Trans: 0 Trans: 0 Trans: 0 Trans: 0 Trans: 0 Sturger	E ID: C3 I DOE NORTH EVILLE, M I I I I I I I I I I I I I I I I I I I	29503 33**** C LANE CA 9567 IAIR: Bla VT: 17(9592-8 13441 1102 Report Cas cable applic urcharge. port fishing a public pic GEON FISH AINED (On tal length r LICCATION	A 78 10 CK EV 0 Out 3/14 d d d d icense unla in ocean in ocean IING REPO by white sta may be ref	YES: Bro OB: 03/1 let No: 3100 u/2012 9:33: , agent hand less under 1 waters. ORT CARD turgeon 46- ained.) REWARD	14/1990 06:001 34:AM Fee" \$0:00 Fotal: \$0:00 Fotal: \$0:00
your catch and tag each sturgeon taken in accordance with these instructions. Use a ball point pan with individual in the make a new entry for each sturgeon reteined or neleased. If you retain a sturgeon, immediately record the following information below under the heading STURGEON RETAINED 1. Record the month, day, location code, and the total length (inches) of the sturgeon. 2. Use targets in sequential order. Do not remove sturgeon lags from the report cad until immediately prior to all wings to a sturgeon. Any tags detached from the report card and not element. 3. Record the month, day, location code, and the total length (inches) of the sturgeon shall be considered used and therefore sturgeon any tags detached from the report card and not element. 3. Record the month, day, location code, and the total length (inches) of the sturgeon networks on the tag located at the bottom of this card. Using scissors, completely detach the tag from the capt and tatch it to the sturgeon. To affix the tag a cap tile, string, line, or other sturgeolited on the tag located at the reward dak number in the space provided. 5. Once a sturgeon has a DFG-affixed reward disk, write the reward dak number in the space provided. 5. Once a sturgeon how how not not stop fishing for sturgeon for the day. Once three sturgeon have been retained, you unsit stop fishing for sturgeon for the remainder of the calending year. If you release a sturgeon vitin on reward disk present, immediately view of the information below, including the reward disk number; under the heading sturgeon RELEASED - REVARD DISK PRESENT. 1. Record the number, and the heading of the calending year. 2. Addate the species of sturgeon released by marking an 'X in the WHITE & GREEN column. 3. If the sturgeon has a DFG-affixed reward disk, write the reward disk number in the space provided. EXAMPLE	STAT JOHN 1234 ROSE SEX: HT: Doc No: Trans: 0 Trans: 0 Trans: 0 Trans: 0 Trans: 0 Trans: 0 Trans: 0 Trans: 0 Trans: 0 Sturger	E ID: C3 I DOE NORTH EVILLE, M I I I I I I I I I I I I I I I I I I I	LANE CA 9567 IAIR: BIa VT: 17(9582-8 13441 1102 Report Cas cable applicancharge. port fishing a public pie GEON FISH AINED (On tal length r LIOCATION	78 Outl 3/14 d d ation fees, license uni r in ocean UNG REPO	OB: 03/1 let No: 3100 i/2012 9:33: agent hand less under 1 waters. ORT CARD turgeon 46- alned.) REWARD	14/1990 06:001 34:AM Fee" \$0:00 Fotal: \$0:00 Fotal: \$0:00
make a new entry for each sturgeon retained or released. If you retain a sturgeon, immediately record the following information below under the heading STURGEON RETAINED 1. Record the month, day, location code, and the total length (inches) of the sturgeon. 2. Use targs in sequential order. Do not remove sturgeon targs from the report cad until immediately prior to all wings to a sturgeon. Any targe detached from the report card and not alfined to a sturgeon shall be considered used and therefore 3. Record the month, day, location code, and the total length (inches) of the sturgeon relation code, and the total length (inches) of the sturgeon in the subcommon to alfine the sturgeon to though the lag at the location specified on the tag located at the bottom of this card. Using scissors, completely detach the tag from the card and tatch it to the sturgeon. To alfine the sturgeon to the card and tatch it to the sturgeon. The sturge the tag is through the lag at the location specified on the tag located to the fsh. 4. If the sturgeon has a DFG-affixed reward disk, write the reward disk number in the space provided. 5. Once a sturgeon with no reward disk present, immediately record the information below under the heading STURGON RELEACED - NO REVERD DOK MRESENT If a STURGEON RELEACED - NO REVERD DOK MRESENT 1. Record the runder-under the heading STURGEON RELEASED - REVARD DISK PRESENT 1. Record the number, the space provided. 2. Addate the species of sturgeon released by marking an 'X in the event disk number in the space provided. 2. Modate the species of sturgeon released by marking an 'X in the WHITE & GREEN column. 3. If the sturgeon has a DFG-affixed reward disk, write the revend disk number in the space provided. EXAMPLE	JOHN 1234 ROSE SEX: HT: Doc No Trans: (Trans: (Trans: (SURGEC and lice end lice end lice sec or 5	DOE NORTH EVILLE, M F 6-06 V D-00040000002 000000000000000000000000000	LANE CA 9567 IAIR: BIA VT: 17(9582-8 13441 1102 Report Ca a public pie GEON FISH AINED (On tal length r LOCATION	78 Outl 3/14 d d ation fees, license uni r in ocean UNG REPO	OB: 03/1 let No: 3100 i/2012 9:33: agent hand less under 1 waters. ORT CARD turgeon 46- alned.) REWARD	14/1990 06:001 34:AM Fee" \$0:00 Fotal: \$0:00 Fotal: \$0:00
Information below under the heading STURGEON RETAINED. 1. Record the north, day, location code, and the total length (inches) of the sturgeon. 2. Use tags in sequential order. Do not remove sturgeon tags to the report card until immediately prior to affixing to a structure report card until immediately prior to affixing to a structure report card until immediately prior to affixing to a affixed to a sturgeon shall be considered used and therefore immediately card the north, day, location code, and the total length (inches) of the sturgeon retained on the tag located at the bottom of this card. Using scisors, completely detach the tag from the card and attach it to the sturgeon. To affix the tag a, zip tie, shing, line: or other suitable metiand shall be passed through the tag at the location specified on the tag and attached 4. If the sturgeon has a DFG-affixed reward disk, write the reward disk number in the space provided. 5. Once a sturgeon with no reward disk present, immediately record the information below under the heading STURGEON RELEASED. NO REVARD DISK PRESENT. If a reward disk number, under the tagens of STURGEON 1. Record the north, day, diocation code 1. Record the north, day and leadow code 2. Recard the species of sturgeon released by marking an 'X in the WHIT E of REPEN column.	1234 ROSE SEX: HT: Doc No Trans: C Item Sturget and lice and lice sturget Stur	NORTH VILLE, ' M 6-06 V D-000400: 000000022 14179 In Fishing s any appli s any appli s any appli s any appli s any appli s any appli STUR GEON RET to DAY	CA 9567 AIR: Bla VT: 17(9582-8 313441 1102 Report Ca port fishing a public pie GEON FISH AINED (On tal length r LIOCATION	d Outl 3/14 d d license uni r in ocean liNG REPO	OB: 03/1 let No: 3100 i/2012 9:33: agent hand less under 1 waters. ORT CARD turgeon 46- alned.) REWARD	14/1990 06:001 34:AM Fee" \$0:00 Fotal: \$0:00 Fotal: \$0:00
Information below under the heading STURGEON RETAINED. 1. Record the north, day, location code, and the total length (inches) of the sturgeon. 2. Use tags in sequential order. Do not remove sturgeon tags to the report card until immediately prior to affixing to a structure report card until immediately prior to affixing to a structure report card until immediately prior to affixing to a affixed to a sturgeon shall be considered used and therefore immediately card the north, day, location code, and the total length (inches) of the sturgeon retained on the tag located at the bottom of this card. Using scisors, completely detach the tag from the card and attach it to the sturgeon. To affix the tag a, zip tie, shing, line: or other suitable metiand shall be passed through the tag at the location specified on the tag and attached 4. If the sturgeon has a DFG-affixed reward disk, write the reward disk number in the space provided. 5. Once a sturgeon with no reward disk present, immediately record the information below under the heading STURGEON RELEASED. NO REVARD DISK PRESENT. If a reward disk number, under the tagens of STURGEON 1. Record the north, day, diocation code 1. Record the north, day and leadow code 2. Recard the species of sturgeon released by marking an 'X in the WHIT E of REPEN column.	ROSE SEX: HT: Doc No: Trans: C Rem Sturget Must he ege or fi STURC	M F 6-06 V D-0004000 000000002 14179 m Fishing sany appli sany appli s	CA 9567 AIR: Bla VT: 17(9582-8 313441 1102 Report Ca port fishing a public pie GEON FISH AINED (On tal length r LIOCATION	d Outl 3/14 d d license uni r in ocean liNG REPO	OB: 03/1 let No: 3100 i/2012 9:33: agent hand less under 1 waters. ORT CARD turgeon 46- alned.) REWARD	14/1990 06:001 34:AM Fee" \$0:00 Fotal: \$0:00 Fotal: \$0:00
(inches) of the sturgeon. 2. Use tags in sequential order. Do not remove sturgeon tags from the report card until immediately prior to all king to a sturgeon. Any tags distached form the report card and not all the report card until immediately prior to all king to a sturgeon. Any tags distached form the report card and not all the sturgeon retained on the tag located at the finches) of the sturgeon retained on the tag located at the bottom of this card. Using scisors, completely detech the tag from the card and attach it to the sturgeon. To all kit the tag from the card and attach it to the sturgeon. To all kit the tag from the card and attach it to the sturgeon. To all kit the tag and the sturgeon has a DFC-all kind the word disk, write the 4. If the tak number in the space provided 5. Once a sturgeon has a DFC-all kind the word disk, write the calendar year. If you release a sturgeon with no reward disk present, immediately recent the information below under the heading STURGEON RELEASED. NO REVARD DISK PRESENT. If a reward disk number in the space provided 1. Record the information below under the heading STURGEON RELEASED. NO REVARD DISK PRESENT. If a reward disk number in the space provided 2. Addate the species of sturgeon released by marking an 'X' in the WHITE G or REPEN column 3. If the sturgeon has a DFC-alliked reward disk, write the reward disk number in the space provided. EXAMPLE	HT: Doc No: Trans: (Rem Sturget 'Include and lice Must ha ege of fi STUR(MONTH	6-06 V D-000400: 000000022 14179 m Fishing s any appli nse byers s ve a valid s shing from STUR GEON RET to DAY	VT: 17(9592-8 913441 1102 Report Ca rable applic urcharge. port fishing a public pie GEON FISH AINED (On tal length r LIOCATION	d Outl 3/14 ation fees, license uni r in ocean UNG REPO	OB: 03/1 let No: 3100 i/2012 9:33: agent hand less under 1 waters. ORT CARD turgeon 46- alned.) REWARD	14/1990 06:001 34:AM Fee" \$0:00 Fotal: \$0:00 Fotal: \$0:00
from the report card until immediately prior to alliving to a sturgeon. Any tags diatched form the report card and not affixed to a sturgeon shall be considered used and therefore in-bid. The sturgeon relative of the sturgeon relative to the sturgeon relative do the sturgeon relative do not the total length (inches) of the sturgeon relative do not the tag located at the bottom of this card and attach it to the sturgeon. To all with the arg from the card and attach it to the sturgeon. To all with the age through the tag at the location specified on the tag and attached to the fish. 4. If the sturgeon has a DFG-allised reward disk, write the reword disk number in the space provided. 4. Stress sturgeon has a borg-allised reward disk, write the reword disk number in the space provided. 4. If the sturgeon has a borg-allised reward disk, write the reword disk number in the space provided. 5. Sturgeon for the day. Once three sturgeon have been relatined. you must top shing for sturgeon for the remainder of the calendar year. If you release a sturgeon with no reward disk present, immediately record the information below. Including the reward disk number; muder tha heading STURGEON RELEASCD. NOR REVARD DISK PRESENT. If a reward disk number; muder tha heading STURGEON RELEASED. NOR REVERSINT if the WHITE G of REPENSION 2. Addate the species of sturgeon released by marking an 'X' in the WHITE of REPENSION 3. If the sturgeon has a DFG-allised reward disk, write the reward disk intomber in the space provided. EXAMPLE	Doc No. Trans: C Rem Sturged Include and lice Must ha ege or fi STURC	D-000400: D-000400: 14179 on Fishing s any appli- sse buyer s ve a valid s shing from STUR GEON RET to DAY	9592-9 213441 1102 Report Ca cable applic urcharge. port fishing a public pie GEON FISH AINEO CATON FISH AINEO CATON	Out 3/14 ation fees, license uni r in ocean IING REPO	let No: 3100 1/2012 9:33: agent hand less under 1 waters. ORT CARD turgeon 46- ained.) REWARD	06-001 34 AM Fee* \$0.00 Fotal: \$0.00 ling fees 16 years of 66 Inches DISK # (#
affinish a sturgeon shall be considered used and therefore inveiid. 3. Record the month, day, location code, and the total length (inches) of the sturgeon relatived on the tag located at the bottom of this card. Using scissors, completely detach the tag from the card and tatch it to the sturgeon. To affit the tag argent tile, string, line, or other suitable material shall be passed through the tag at the location specified on the tag located to the sh. 4. If the sturgeon has a DFG-affixed reward disk, write the 4. If the sturgeon has a DFG-affixed reward disk, write the 5. Once a sturgeon has been relatived, you must stop fishing for sturgeon for the day. Once three sturgeon have been relatived, you must stop fishing for sturgeon for the remainder of the calendar year. Hyou release a sturgeon with no reward disk present, immodiately record the information below under the heading STURGEON RELEASED. NO REWARD DISK PRESENT. If a reward disk is present record the information below, including the reward disk number, under the heading STURGEON RELEASED. The REWARD DISK PRESENT. If a reward disk unmother, under the relation code. 2. Indicate the species of sturgeon released by marking an 'X in the WHIT EG of REPLA volume in the space provided. EXAMPLE	Trans: C Rem Sturgec 'Include and lice Must ha ege or f STUR(MONTH	00000002 14179 on Fishing s any appli- se buyer s shing from STUR GEON RET to DAY	Al 3441 1102 Report Ca cable applic urcharge. port fishing a public pie GEON FISH AINED (On tal length r LOCATION	3/14 ation fees, license un r in ocean IING REPO ly white st nay be ret	agent hand less under 1 waters. ORT CARD turgeon 46- ained.) REWARD	34 AM Fee \$0.00 Fotal: \$0.00 ling fees 16 years of 66 Inches DISK # (f
(inches) of the sturgeon relatived on the tag located at the bottom of this card and stach it to the sturgeon. To affix the tag a zep tie, shing, line card and stach it to the sturgeon. To affix the tag and the shing line or other suitable metrical shall be passed to the shing at the location specified on the tag and attached to the shing at the location specified on the tag and attached to the shing at the location specified on the tag and attached to the shing on the so DFG-affixed reward disk, write the reward disk number in the space provided. 5. Once a sturgeon has be percentised, you must stop fishing for sturgeon for the day. Once three sturgeon have been retained, you must stop Shing for sturgeon for the remainder of the calendar year. If you release a sturgeon with no reward disk present, immediately record the information below under the heading STURGEON RELEASED - NO REVARD DISK PRESENT. If a reward disk tag beard in domination tablew under the heading the Lastor to the present excord the information below under the tag of the species of sturgeon released by marking an 'X' in the WHITE of OREPLAY of the space provided. EXAMPLE	Rem Sturgec Include and lice Must ha ege or f	14179 on Fishing s any appli- nse buyer s ve a valid s shing from STUR GEON RET to DAY	1102 Report Ca surcharge. port fishing a public pie GEON FISH AINED (On tal length r [LOCATION	d ation fees, license un r in ocean IING REPO ly white st nay be ret	agent hand less under 1 waters. ORT CARD turgeon 46- ained.) REWARD	Fee* \$0.00 Fotal: \$0.00 ling fees 16 years of 66 Inches DISK # (if
bottom of this card. Using sciesces, completely detech the tag from the card and attach it to the surgeon. To affit the tag a; pip tie', string, line, or other suitable material shall be passed through the tag at the location specified on the tag and attached to the fsh. 4. If the stuggeon has a DFG-affixed reward disk, write the reward disk number in the space provided. 5. Once a sturgeon has been retained, you must stop fishing for sturgeon for the day. Once three sturgeon have been retained, you must stop fishing for sturgeon for the remainder of the celendary year. If you release a sturgeon with no reward disk present, immodately record the information balow under the heading STURGEON RELEASED. NO REWARD DISK PRESENT. If is reward disk is present record the information balow, including the reward disk number under the heading STURGEON RELEASED. A REWARD DISK PRESENT. 1. Record the month, day and location code. 2. Indicate the species of sturgeon released by marking an 'X' in the WHIT E & GREEN colum. 3. If the sturgeon has a DFG-affixed reward disk, write the reward disk number in the space provided. EXAMPLE	Sturgec Include and lice Must ha ege or fi STUR(MONTH	s any appli his buyer s we a valid s shing from STUR GEON RET to DAY	cable applic surcharge. port fishing a public pie GEON FISH AINED (On tal length r [LOCATION	ation fees, license un r in ocean IING REPO ly white st nay be ret	agent hand less under 1 waters. ORT CARD turgeon 46- ained.) REWARD	\$0.00 Fotal: \$0.00 ling fees 66 years of 66 Inches DISK # (f
Lie, string, line, or other suitable material shall be passed through the lag and the location specified on the lag and attached to the shi. 4. If the suitgeon has a DFG-affixed reward disk, write the reward disk number in the space provided. 5. Once a surgeon has been retained, you must stop fashing for sturgeon for the day. Once three sturgeon have been retained, you must stop fashing for surgeon for the remainder of the calendary year. Hyou release a sturgeon with no reward disk present, immediately record the information below, including the reward disk number under the heading STURGEON RELEASED - NO REVARD DISK PRESENT. 1. Record the number, under the heading STURGEON RELEASED - REVARD DISK PRESENT. 1. Record the nonth, day and location code. 2. Indicate the species of sturgeon released by marking an 'X' in the VMITE G OREEN column. 3. If the sturgeon has a DFG-affixed reward disk, write the reward disk mumber in the space provided. EXAMPLE While Stimus the Sacramento River (Rio Vista to Chicos Island)	and lice Must he age or f	nse buyer s ve a valid s shing from STUR GEON RET to DAY	urcharge. port fishing a public pie GEON FISH AINED (On tal length r [LOCATION	license un r in ocean IING REPO ly white st nay be ret	agent hand less under 1 waters. ORT CARD turgeon 46- ained.) REWARD	ling fees 16 years of 66 Inches DISK # (f
to the 5sh. 4. If the sturgeon has a DFG-affixed reward disk, write the reward disk number in the space provided. 5. Once a sturgeon has been retained, you must stop fashing for sturgeon for the day. Once three sturgeon have been retained. you must stop fashing for sturgeon for the remainder of the calendary year. If you release a sturgeon with no reward disk present, immediately record the information below under the heading immediately record the information below. The technic the reward disk is present tecord the information below; including the reward disk number; under the heading STURGEON RELEASED - REVARD DISK PRESENT 1. Record the month, day and location code. 2. Indicate the species of sturgeon released by marking an 'X' in the VWHITE & GREEN column. 3. If the sturgeon has a DFG-affixed reward disk, write the reward disk number in the space provided. EXAMPLE	and lice Must he age or f	nse buyer s ve a valid s shing from STUR GEON RET to DAY	urcharge. port fishing a public pie GEON FISH AINED (On tal length r [LOCATION	license un r in ocean IING REPO ly white st nay be ret	less under 1 waters. ORT CARD turgeon 46- ained.) REWARD	6 years of 66 Inches DISK # (#
reward disk number in the space provided. 5. Once a storgeon has been retained, you must stop fishing for sturgeon for the day. Once three sturgeon have been retained, you must stop fishing for sturgeon for the remainder of the calendar year. If you release a sturgeon with no reward disk present, immediately record the information below under the heading STURGEON RELEASED - NO REVARD DISK PRESENT. If a reward disk is present record the information below including RELEASED - REVARD DISK PRESENT 1. Record the month, day and location code. 2. Indicate the species of sturgeon released by marking an 'X' in the VWHITE C GREEN column 3. If the sturgeon has a DFG-affixed reward disk, write the reward disk number in the space provided. EXAMPLE	ege or fi	STUR STUR GEON RET to DAY	a public pie GEON FISH AINED (On tal length r [LOCATION	r in ocean IING REPO ly white st nay be ret	waters. ORT CARD turgeon 46- ained.) REWARD	66 Inches DISK # 대
sturgeon for the day. Once three sturgeon have been retained, you must stop Shing for sturgeon for the remainder of the calendar year. If you release a sturgeon with no reward disk present, immediately record the information below under the heading STURGEON RELEASED - NO REVARD DISK PRESENT. If a reward disk to present record the information below including RELEASED - REVARD DISK PRESENT 1. Record the month, day and focation code. 2. Indicate the species of sturgeon released by marking an 'X' in the WHITE & GREEN column 3. If the sturgeon has a DFG-affixed reward disk, write the reward disk number in the space provided. EXAMPLE	STURG	STUR GEON RET to DAY	GEON FISH AINED (On tal length r [LOCATION	IING REPO	ORT CARD turgeon 46- ained.) REWARD	DISK # (#
calendar year. If you release a sturgeon with no reward disk present, immediately record the information below under the heading STURGEON RELEASED - NO REWARD DISK PRESENT. If a reward disk number, under the heading STURGEON the reward disk number, under the heading STURGEON 1. Record the north, day and leading code 2. Indicate the species of sturgeon released by marking an 'X' in the WHITE of RCEND column 3. If the sturgeon has a DFG-affixed reward disk, write the reward disk number in the space provided. EXAMPLE	MONTH	DAY	AINED (On tal length r	ly white st nay be ret	turgeon 46- ained.) REWARD	DISK # (#
immediately record the information below under the heading STURCEON RELEASED - NO REWARD DISK PRESENT. If a reward disk is present record the information below, including the reward disk number, under the heading STURCEON RELEASED - REWARD DISK PRESENT. 1. Record the month, day and location code 2. Indicate the species of sturgeon released by marking an 'X' in the WHITE & GREEN column 3. If the sturgeon has a DFG-affixed reward disk, write the reward disk number in the space provided. EXAMPLE White Sating the Sacramento River (Rio Vista to Chicos Island)	MONTH	DAY DAY	tal length r	nay be ret	REWARD	DISK # (#
immediately record the information below under the heading STURCEON RELEASED - NO REVARD DISK PRESENT. If a reward disk is present record the information below, including the reward disk number, under the heading STURCEON RELEASED - REWARD DISK PRESENT. 1. Record the month, day and location code 2. Indicate the species of sturgeon released by marking an 'X' in the WHITE G OREEN column 3. If the sturgeon has a DFG-affixed reward disk, write the reward disk number in the space provided EXAMPLE	STU	RGEON RI	CODE	LENGTH	REWARD prei	
reward disk is present record the information below, including the reward disk number, under the heading STURGEON RELEASED - REWARD DISK PRESENT. 1. Record the month, day and location code. 2. Indicate the species of sturgeon released by marking an 'X' in the WHITE G REREN column 3. If the sturgeon has a DFG-affixed reward disk, write the reward disk number in the space provided. EXAMPLE White Sating the Sacramento River (Rio Vista to Chicos Island)						
RELEASED - REWARD DISK PRESENT. 1. Record the month, day and location code. 2. Indicate the species of sturgeon released by marking an 'X' in the WHITE G REREN column 3. If the sturgeon has a DFG-affixed reward disk, write the reward disk number in the space provided. EXAMPLE While Sating the Sacramento River (Rio Vista to Chicos Island)						
the WHITE or GREEN column. 3. If the sturgeon has a DFC-affixed reward disk, write the reward disk number in the space provided. EXAMPLE While Sching the Sacramento River (Rio Vista to Chicos Island)				i i	i	
3. If the sturgeon has a DFG-affixed reward disk, write the reward disk number in the space provided. EXAMPLE While Sching the Sacramento River (Rio Vista to Chicos Island)			I I			
EXAMPLE While 5shing the Sacramento River (Rio Vista to Chipos Island)					I.,	
on December 7th, you catch two white sturgeon: 1 of which you	2	-		NO REWA		GREEN
and the state of t	-	1				
disk. One sturgeon you retained nad a Dric-ainxed reward disk. One sturgeon tag would be completed and attached to the white sturgeon you retained and this information would be						
white sturgeon you retained and this information would be recorded as follows:						
STURGEON RETAINED (Only white sturgeon may be retained)		+				
MONTH DAY LOCATION LENGTH REWARD DISK #(If CODE LENGTH present)		,				
12 7 4 52"	_					
STURGEON RELEASED - REWARD DISK PRESENT						
MONTH DAY LOCATION REWARD DISK NUMBER						
12 7 4 HH1001						
Title 14. Section 1.74 of the California Code of Regulations,		-				
requires you to return this report card (whether you fished for sturgeon or not) by January 31, 2013. Mail your card to:	·		_			
California DFG Fisheries Branch Sturgeon Fishing Report Card						
P.O. Box 944209 Sacramento, CA 94244-2090	·	1	1			1
Code Location Code Location					D DISK PR	
01A. Sacramento River: 13, San Joaquin River:HWY Upstream of Red Bluff 140 bridge to Stockton	MONTH	DAY	LOCAI	UN CODE	REWARD DI	SK NUMBER
01B. Sacramento River: Red 14. San Joaquin River:	<u></u>					
01C. Sacramento River: Hwy 15. Old River 32 bridge to Colusa 16. San Pablo Bay	s					
02. Sacramento River: Colusa 17. Carquinez Strait to Knights Landing 18. Suisun Bay		1				
Consigns Landing to River: Knights 19, Grizzly Bay Landing to Rio Vista 20, San Francisco Bay: North					SH FOR ST	
Vista to Chipps Island 21. San Francisco Bay: North 04. Sacramento River: Rio Vista to Chipps Island 21. San Francisco Bay: South	LIMIT	S. ONLY O	NE STURG	EON FISH	ULATIONS	RT CARD
05. Feather River of HWY 80 05. American River 22. Pacific Ocean: North of	MAY E	BE ISSUED	PER LICEN	ISE YEAR	ER PERSON	N NOT BE
07. Sacramento Deepwater Golden Gate Bridge						
08. Yolo Bypass Gate Bridge to Point Sur	12 STR	# D-00040	09582-8 - 1	ag003		
10. Napa River San Diego	JOHN	DOE . (10	19629503)			
11. Petaluma River 25. Any reservoir or lake 12. San Joaquin River: 26. Klamath River	0	MONTH	DAY	LOCATION	CODE L	ENGTH
Upstream of HWY 140 bridge						
The Constitution of the Constitution			MARTON -			
0 10 30	12 STR JOHN	# D-00040 DOE . (10	009582-8 - 1 19629503)	ag002		
White Sturgeon 38-48 midlateral plates	lo]	MONTH	DAY	LOCATION	CODE	ENGTH
barbles closer to tip of snout than to mouth	Ĭ					
() William ()			I		L	
Section Contraction			009582-8 -	Fag001		
Green Sturgeon	JOHN	DOE . (10			an ar	
23-30 midiateral plates barbles closer to mouth than to tip of shout	0	MONTH	DAY	LOCATION	CODE	LENGTH
green stripe on the belly. CUT ALONG LINE TO SEPARATE FROM REPORT CARD	- L L		LI		Τ,	I
COT ALONG LINE TO SEPARATE FROM REPORT CARD						
		End	of Docume	nt D-000	4009582-8	
-			1 (J.)			