

ZONE 6 SPORT STURGEON FACT SHEET No. 2

June 22, 2004

Purpose: To consider modifications to the sport fishing seasons for sturgeon in The Dalles Reservoir.

We estimate 377 white sturgeon were harvested from The Dalles Reservoir from January 1 through June 20, 2004 (Table 1). Harvest was estimated by applying harvest per hour of effort to estimated total effort. 18.8 percent of the estimated 377 sturgeon harvest was sampled in the creel.

From May 1 through June 20, harvest was estimated weekly by expanding numbers of sturgeon observed in the sampled creel by the January through April average sample rate, corrected by the numbers of days per week creel checkers worked the reservoir.

Harvest averaged 2.4 fish per week from May 1 through June 20 and ranged from a low of 0 fish five weeks ago to a high of 41 fish. The number of fish observed in the creel and weekly estimated harvest was fairly consistent for about a month, then increased dramatically this last week. Assuming harvest will average 25 fish per week from this point on, the 400 fish guideline would be reached during the current week (June 21-27).

Table 1. Sample data, estimated, and projected harvest for The Dalles Reservoir, 2004.

Month/Week	Monthly or weekly sample rate	Average weekly # of fish in-sample	Monthly or weekly harvest estimate	Cumulative harvest
January	0.20	0.2	5	5
February	0.16	2.7	68	73
March	0.27	7.7	124	197
April	0.10	1.4	62	259
May 1-9	0.14	0.8	7	266
May 10-16	----	0	0	266
May 17-23	0.15	2	13	279
May 24-30	0.11	2	18	297
May 31-Jun 6	0.14	3	21	318
Jun 7-13	0.17	3	18	336
Jun 14-20	0.15	6	41	377
Apr 1-Jun 20 average/week	0.11	2.4	25	
Jun 21-27			25	402
Jun 28-Jul 4			25	427
Jul 5-11			25	452

Annual estimated harvest and harvest guidelines, 1996-2003, are presented in Table 2 (attached). Preliminary treaty Indian commercial harvest estimates for 2004 are presented in Table 3.

Table 3. Estimated white sturgeon harvest during 2004 treaty Indian commercial fisheries, by reservoir.

	<u>Bonneville Reservoir</u>	<u>The Dalles reservoir</u>	<u>John Day Reservoir</u>
Harvest guideline	400	900	335
Estimated harvest	500	1,017	323

<i>Zone 6 Sturgeon Harvest Guidelines and Harvest ¹</i>															
Area/Fishery	1996		1997		1998-2000 Guideline	1998 Catch	1999 Catch	2000 Catch	2001		4-Year Ovg	2002		2003	
	Guideline	Catch	Guideline	Catch					Guideline	Catch		Guideline	Catch	Guideline	Catch
Bonneville Reservoir															
Sport ²	1,350	1,353	1,520	1,463	1,520	1,626	1,235	1,262	1,520	1,426	-531	1,520	1,560	1,700	1,542
Treaty Commercial	1,250	1,005	1,300	1,852	1,300	1,462	1,280	1,177	1,300	1,287	6	1,300	472	1,150	398
Total	2,600	2,358	2,820	3,315	2,820	3,088	2,515	2,439	2,820	2,713	-525	2,820	2,032	2,850	1,940
Treaty Subsistence	--	260	--	130	--	109	90	191					146		
The Dalles Reservoir															
Sport ³	100	80	200	178	600-800	857	695	809	700	677	238	700	878	400	432
Treaty Commercial	300	230	400	498	1,000-1,200	1,108	1,051	1,342	1,100	1,215	316	1,100	1,152	900	866
Total	400	310	600	676	1,800	1,965	1,746	2,151	1,800	1,892	554	1,800	2,030	1,300	1,298
Treaty Subsistence	--	120	--	40	--	86	116	128					197		
John Day Reservoir															
Sport ⁴	100	62	560	464	560	593	422	434	560	299	-492	165	187	165	163
Treaty Commercial	100	360	1,160	1,260	1,160	1,100	760	786	1,160	759	-1,235	335	326	335	265
Total	200	422	1,720	1,724	1,720	1,693	1,182	1,220	1,720	1,058	-1,727	500	513	500	428
Treaty Subsistence	--	110	--	63	--	45	28	24					27		
Zone 6 Total															
Sport	1,550	1,495	2,280	2,105	2,680-2,880	3,076	2,352	2,505	2,780	2,402	-785	2,385	2,625	2,265	2,137
Treaty Commercial	1,650	1,595	2,860	3,610	3,460-3,660	3,670	3,091	3,305	3,560	3,261	-913	2,735	1,950	2,385	1,529
Total	3,200	3,090	5,140	5,715	6,340	6,746	5,443	5,810	6,340	5,663	-1,698	5,120	4,575	4,650	3,666
Treaty Subsistence		490		233		240	234	343		476			370		

¹ Harvest does not include incidental catch-and-release mortality in sport or treaty commercial fisheries.

² Closed to sport retention on 1 April 1996, 5 April 1997, 20 April 1998, 17 April 1999, 8 April 2000, 13 August 2001, and 5 August – 27 September 2002, and 7 July 2003.

³ Closed to sport retention on 1 May 1996, 5 May 1997, 8 June 1998, 12 June 1999, 19 June 2000, 9 April 2001, 13 July 2002, and 21 June 2003.

⁴ Closed to sport retention on 1 May 1996, 2 September 1997, and 23 November 1998. No closure during 1999-2001. Closed 24 August 2002, and 28 July 2003.

⁵ Preliminary.