

Lake Billy Chinook Creel Survey, Boat and Bank Anglers - 2005

**** SECOND DRAFT ****

December 29, 2005

ESTIMATED CATCH AND ESTIMATED EFFORT
SUMMARIZED BY MONTH AND DAY TYPE

----- TRIP TYPE=Boat Anglers -----

Month	Day Type	Num Days in Strat	Num Days Samp	Num Parties Samp	Num Anglr Samp	Party Hours Samp	Angler Hours Samp	Estim Anglr Hours Effort	Estim Num Anglr Trips	Avg Trip Length (Hrs)	Bull Trout Kept	Bull Trout Rel Legal	Bull Trout Rel Subleg	Kok Rel Kept	Kok Rel Legal	Sm Mth Bass Kept	Sm Mth Bass Rel	Sm Mth Bass Rel	Rain Rel Kept	Rain Rel Legal	Rain Rel Subleg	Brown Trout Kept	Brown Trout Rel Legal	Brown Trout Rel Subleg
March	W/day	23	11	75	177	340	808	7,929	1,749	4.5	216	511	727	422	0	0	0	0	0	0	0	0	0	0
March	W/end	8	8	157	394	744	1,882	8,993	1,899	4.7	191	449	516	468	0	0	0	0	14	0	0	0	0	0
April	W/day	21	13	63	148	355	874	4,520	803	5.6	57	171	435	98	0	83	0	10	0	0	0	0	0	10
April	W/end	9	9	108	256	494	1,166	6,894	1,507	4.6	160	302	591	148	0	0	0	0	0	0	0	0	0	0
May	W/day	21	8	24	46	113	220	4,419	938	4.7	40	161	683	1,727	723	121	783	0	0	0	0	0	0	0
May	W/end	10	9	70	164	346	811	6,747	1,367	4.9	75	117	608	1,107	0	441	1,881	8	0	0	0	0	0	0
June	W/day	22	13	107	262	460	1,155	11,621	2,701	4.3	10	10	322	7,295	181	362	2,234	171	0	0	0	10	0	0
June	W/end	8	8	108	289	443	1,189	6,882	1,616	4.3	17	0	237	2,495	191	174	1,621	23	23	0	12	6	0	0
July	W/day	20	8	39	100	156	395	8,520	2,102	4.1	0	0	561	4,771	367	583	4,706	43	43	0	0	43	0	0
July	W/end	11	8	66	159	260	629	6,566	1,637	4.0	10	0	31	2,035	230	428	7,669	125	230	10	10	52	0	0
trip		153	95	817	1995	3,708	9,127	73,091	16,321		777	1,719	4,711	20,566	1,692	2,191	18,894	381	310	10	22	111	10	10
		153	95	817	1995	3,708	9,127	73,091	16,321		777	1,719	4,711	20,566	1,692	2,191	18,894	381	310	10	22	111	10	10

Lake Billy Chinook Creel Survey, Boat and Bank Anglers - 2005

**** SECOND DRAFT ****

December 29, 2005

ESTIMATED CATCH AND ESTIMATED EFFORT
SUMMARIZED BY MONTH

----- TRIP TYPE=Boat Anglers -----

Month	Strat	Num Days in	Num Parties Samp	Num Anglr Samp	Party Hours Samp	Angler Hours Samp	Estim Anglr Hours Effort	Estim Num Anglr Trips	Avg Trip Length (Hrs)	Bull Trout Kept	Bull Trout Rel Legal	Bull Trout Rel Subleg	Kok Rel Kept	Kok Rel Legal	Sm Mth Bass Kept	Sm Mth Bass Rel	Rain Rel Kept	Rain Rel Legal	Brown Trout Kept	Brown Trout Rel Legal	Brown Trout Rel Subleg	
March	31	19	232	571	1,084	2,689	16,922	3,648	4.6	407	960	1,243	891	0	0	0	0	14	0	0	0	0
April	30	22	171	404	848	2,039	11,414	2,311	4.9	217	472	1,026	246	0	83	0	10	0	0	0	0	10
May	31	17	94	210	459	1,031	11,166	2,305	4.8	115	277	1,291	2,834	723	562	2,664	8	0	0	0	0	0
June	30	21	215	551	903	2,344	18,503	4,318	4.3	27	10	559	9,790	372	536	3,855	194	23	0	12	16	0
July	31	16	105	259	415	1,024	15,087	3,740	4.0	10	0	593	6,805	597	1,011	12,375	168	273	10	10	95	0
trip	153	95	817	1,995	3,708	9,127	73,091	16,321		777	1,719	4,711	20,566	1,692	2,191	18,894	381	310	10	22	111	10
	153	95	817	1,995	3,708	9,127	73,091	16,321		777	1,719	4,711	20,566	1,692	2,191	18,894	381	310	10	22	111	10

Lake Billy Chinook Creel Survey, Boat and Bank Anglers - 2005
 **** SECOND DRAFT ****
 December 29, 2005

SAMPLED (UNEXPANDED) CATCH AND ESTIMATED EFFORT
 SUMMARIZED BY MONTH AND DAY TYPE

----- TRIP TYPE=Bank Anglers -----

Month	Day Type	Num Days in Strat	Num Days Samp	Num Parties Samp	Num Anglr Samp	Party Hours Samp	Angler Hours Samp	Estim Anglr Hours Effort	Estim Num Anglr Trips	Avg Trip Length (Hrs)	Bull Trout	Bull Trout	Kok Kept	Kok Rel Legal	Sm Mth Bass Kept	Sm Mth Bass Rel	Rain Kept	Rain Rel Legal	Rain Subleg	Brown Trout	Brown Trout	
											Kept	Rel Legal								Kept	Rel Subleg	Kept
June	W/day	22	13	11	27	21	50	.	.	1.9	0	0	0	0	14	40	0	0	0	0	0	0
June	W/end	8	8	11	26	27	81	.	.	3.4	0	0	0	0	21	26	0	0	0	0	0	0
July	W/day	20	8	8	15	10	18	.	.	1.3	0	0	0	0	2	40	0	0	0	0	0	0
July	W/end	11	8	24	60	35	104	.	.	1.5	0	0	0	0	40	198	0	0	0	0	0	0
trip		61	37	54	128	93	253	0	0		0	0	0	0	77	304	0	0	0	0	0	0

----- TRIP TYPE=Boat Anglers -----

Month	Day Type	Num Days in Strat	Num Days Samp	Num Parties Samp	Num Anglr Samp	Party Hours Samp	Angler Hours Samp	Estim Anglr Hours Effort	Estim Num Anglr Trips	Avg Trip Length (Hrs)	Bull Trout	Bull Trout	Kok Kept	Kok Rel Legal	Sm Mth Bass Kept	Sm Mth Bass Rel	Rain Kept	Rain Rel Legal	Rain Subleg	Brown Trout	Brown Trout		
											Kept	Rel Legal								Kept	Rel Subleg	Kept	Rel Subleg
March	W/day	23	11	75	177	340	808	7,929	1,749	4.5	22	52	74	43	0	0	0	0	0	0	0	0	
March	W/end	8	8	157	394	744	1,882	8,993	1,899	4.7	40	94	108	98	0	0	0	3	0	0	0	0	
April	W/day	21	13	63	148	355	874	4,520	803	5.6	11	33	84	19	0	16	0	2	0	0	0	2	
April	W/end	9	9	108	256	494	1,166	6,894	1,507	4.6	27	51	100	25	0	0	0	0	0	0	0	0	
May	W/day	21	8	24	46	113	220	4,419	938	4.7	2	8	34	86	36	6	39	0	0	0	0	0	
May	W/end	10	9	70	164	346	811	6,747	1,367	4.9	9	14	73	133	0	53	226	1	0	0	0	0	
June	W/day	22	13	107	262	460	1,155	11,621	2,701	4.3	1	1	32	725	18	36	222	17	0	0	0	1	
June	W/end	8	8	108	289	443	1,189	6,882	1,616	4.3	3	0	41	431	33	30	280	4	4	0	2	1	
July	W/day	20	8	39	100	156	395	8,520	2,102	4.1	0	0	26	221	17	27	218	2	2	0	0	2	
July	W/end	11	8	66	159	260	629	6,566	1,637	4.0	1	0	3	195	22	41	735	12	22	1	1	5	
trip		153	95	817	1,995	3,708	9,127	73,091	16,321		116	253	575	1976	126	209	1720	38	31	1	3	9	2

----- TRIP TYPE=House Boat Anglers -----

Month	Day Type	Num Days in Strat	Num Days Samp	Num Parties Samp	Num Anglr Samp	Party Hours Samp	Angler Hours Samp	Estim Anglr Hours Effort	Estim Num Anglr Trips	Avg Trip Length (Hrs)	Bull Trout	Bull Trout	Kok Kept	Kok Rel Legal	Sm Mth Bass Kept	Sm Mth Bass Rel	Rain Kept	Rain Rel Legal	Rain Subleg	Brown Trout	Brown Trout		
											Kept	Rel Legal								Kept	Rel Subleg	Kept	Rel Subleg
June	W/end	8	8	1	8	5	36	.	.	4.5	0	0	0	20	5	0	0	0	0	0	0	0	
July	W/day	20	8	1	2	1	2	.	.	1.0	0	0	0	0	0	1	0	0	0	0	0	0	
trip		28	16	2	10	6	38	0	0		0	0	0	20	5	0	1	0	0	0	0	0	
=====		242	148	873	2,133	3,807	9,418	73,091	16,321		116	253	575	1996	131	286	2025	38	31	1	3	9	2

Lake Billy Chinook Creel Survey, Boat and Bank Anglers - 2005

**** SECOND DRAFT ****

December 29, 2005

SAMPLED (UNEXPANDED) CATCH AND ESTIMATED EFFORT
SUMMARIZED BY MONTH

----- TRIP TYPE=Bank Anglers -----

Month	Strat	Num Days in	Num Days	Num Parties	Num Anglr Samp	Party Hours	Angler Hours	Estim Anglr Hours	Estim Num Trips	Avg Trip Length (Hrs)	Bull Trout Kept	Bull Trout Rel Legal	Bull Trout Subleg	Kok Kept	Kok Rel Legal	Sm Mth Bass Kept	Sm Mth Bass Rel	Rain Kept	Rain Rel Legal	Rain Subleg	Brown Trout Kept	Brown Trout Rel Legal	Brown Trout Subleg
June		30	21	22	53	48	131	.	.	.	0	0	0	0	0	35	66	0	0	0	0	0	0
July		31	16	32	75	45	122	.	.	.	0	0	0	0	0	42	238	0	0	0	0	0	0
trip		61	37	54	128	93	253	0	0		0	0	0	0	0	77	304	0	0	0	0	0	0

----- TRIP TYPE=Boat Anglers -----

Month	Strat	Num Days in	Num Days	Num Parties	Num Anglr Samp	Party Hours	Angler Hours	Estim Anglr Hours	Estim Num Trips	Avg Trip Length (Hrs)	Bull Trout Kept	Bull Trout Rel Legal	Bull Trout Subleg	Kok Kept	Kok Rel Legal	Sm Mth Bass Kept	Sm Mth Bass Rel	Rain Kept	Rain Rel Legal	Rain Subleg	Brown Trout Kept	Brown Trout Rel Legal	Brown Trout Subleg	
March		31	19	232	571	1,084	2,689	16,922	3,648	4.6	62	146	182	141	0	0	0	0	3	0	0	0	0	0
April		30	22	171	404	848	2,039	11,414	2,311	4.9	38	84	184	44	0	16	0	2	0	0	0	0	0	2
May		31	17	94	210	459	1,031	11,166	2,305	4.8	11	22	107	219	36	59	265	1	0	0	0	0	0	0
June		30	21	215	551	903	2,344	18,503	4,318	4.3	4	1	73	1156	51	66	502	21	4	0	2	2	0	0
July		31	16	105	259	415	1,024	15,087	3,740	4.0	1	0	29	416	39	68	953	14	24	1	1	7	0	0
trip		153	95	817	1,995	3,708	9,127	73,091	16,321		116	253	575	1976	126	209	1720	38	31	1	3	9	2	2

----- TRIP TYPE=House Boat Anglers -----

Month	Strat	Num Days in	Num Days	Num Parties	Num Anglr Samp	Party Hours	Angler Hours	Estim Anglr Hours	Estim Num Trips	Avg Trip Length (Hrs)	Bull Trout Kept	Bull Trout Rel Legal	Bull Trout Subleg	Kok Kept	Kok Rel Legal	Sm Mth Bass Kept	Sm Mth Bass Rel	Rain Kept	Rain Rel Legal	Rain Subleg	Brown Trout Kept	Brown Trout Rel Legal	Brown Trout Subleg	
June		8	8	1	8	5	36	.	.	.	0	0	0	20	5	0	0	0	0	0	0	0	0	0
July		20	8	1	2	1	2	.	.	.	0	0	0	0	0	0	1	0	0	0	0	0	0	0
trip		28	16	2	10	6	38	0	0		0	0	0	20	5	0	1	0	0	0	0	0	0	0
=====		242	148	873	2,133	3,807	9,418	73,091	16,321		116	253	575	1996	131	286	2025	38	31	1	3	9	2	2

Lake Billy Chinook Creel Survey, Boat and Bank Anglers - 2005

**** SECOND DRAFT ****

December 29, 2005

ESTIMATED CATCH RATE (fish/angler hour) AND ESTIMATED EFFORT
SUMMARIZED BY MONTH AND DAY TYPE

----- TRIP TYPE=Bank Anglers -----

Month	Day Type	Num Days in Strat	Num Days Samp	Num Parties Samp	Num Anglr Samp	Party Hours Samp	Angler Hours Samp	Estim Anglr Hours Effort	Estim Num Anglr Trips	Avg Trip Length (Hrs)	Bull Trout Kept	Bull Trout Rel Legal	Bull Trout Subleg	Kok Kept	Kok Rel Legal	Sm Mth Bass Kept	Sm Mth Bass Rel	Rain Kept	Rain Rel Legal	Rain Subleg	Brown Trout Kept	Brown Trout Rel Legal	Brown Trout Subleg
June	W/day	22	13	11	27	21	50	.	.	1.9	.000	.000	.000	.000	.000	.282	.806	.000	.000	.000	.000	.000	.000
June	W/end	8	8	11	26	27	81	.	.	3.4	.000	.000	.000	.000	.000	.258	.319	.000	.000	.000	.000	.000	.000
July	W/day	20	8	8	15	10	18	.	.	1.3	.000	.000	.000	.000	.000	.110	2.20	.000	.000	.000	.000	.000	.000
July	W/end	11	8	24	60	35	104	.	.	1.5	.000	.000	.000	.000	.000	.384	1.90	.000	.000	.000	.000	.000	.000
trip		61	37	54	128	93	253	0	0														

----- TRIP TYPE=Boat Anglers -----

Month	Day Type	Num Days in Strat	Num Days Samp	Num Parties Samp	Num Anglr Samp	Party Hours Samp	Angler Hours Samp	Estim Anglr Hours Effort	Estim Num Anglr Trips	Avg Trip Length (Hrs)	Bull Trout Kept	Bull Trout Rel Legal	Bull Trout Subleg	Kok Kept	Kok Rel Legal	Sm Mth Bass Kept	Sm Mth Bass Rel	Rain Kept	Rain Rel Legal	Rain Subleg	Brown Trout Kept	Brown Trout Rel Legal	Brown Trout Subleg	
March	W/day	23	11	75	177	340	808	7,929	1,749	4.5	.027	.064	.092	.053	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
March	W/end	8	8	157	394	744	1,882	8,993	1,899	4.7	.021	.050	.057	.052	.000	.000	.000	.000	.002	.000	.000	.000	.000	.000
April	W/day	21	13	63	148	355	874	4,520	803	5.6	.013	.038	.096	.022	.000	.018	.000	.002	.000	.000	.000	.000	.000	.002
April	W/end	9	9	108	256	494	1,166	6,894	1,507	4.6	.023	.044	.086	.021	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
May	W/day	21	8	24	46	113	220	4,419	938	4.7	.009	.036	.155	.391	.164	.027	.177	.000	.000	.000	.000	.000	.000	.000
May	W/end	10	9	70	164	346	811	6,747	1,367	4.9	.011	.017	.090	.164	.000	.065	.279	.001	.000	.000	.000	.000	.000	.000
June	W/day	22	13	107	262	460	1,155	11,621	2,701	4.3	.001	.001	.028	.628	.016	.031	.192	.015	.000	.000	.000	.000	.001	.000
June	W/end	8	8	108	289	443	1,189	6,882	1,616	4.3	.003	.000	.034	.363	.028	.025	.236	.003	.003	.000	.002	.001	.000	.000
July	W/day	20	8	39	100	156	395	8,520	2,102	4.1	.000	.000	.066	.560	.043	.068	.552	.005	.005	.000	.000	.005	.000	.000
July	W/end	11	8	66	159	260	629	6,566	1,637	4.0	.002	.000	.005	.310	.035	.065	1.17	.019	.035	.002	.002	.008	.000	
trip		153	95	817	1,995	3,708	9,127	73,091	16,321															

----- TRIP TYPE=House Boat Anglers -----

Month	Day Type	Num Days in Strat	Num Days Samp	Num Parties Samp	Num Anglr Samp	Party Hours Samp	Angler Hours Samp	Estim Anglr Hours Effort	Estim Num Anglr Trips	Avg Trip Length (Hrs)	Bull Trout Kept	Bull Trout Rel Legal	Bull Trout Subleg	Kok Kept	Kok Rel Legal	Sm Mth Bass Kept	Sm Mth Bass Rel	Rain Kept	Rain Rel Legal	Rain Subleg	Brown Trout Kept	Brown Trout Rel Legal	Brown Trout Subleg	
June	W/end	8	8	1	8	5	36	.	.	4.5	.000	.000	.000	.556	.139	.000	.000	.000	.000	.000	.000	.000	.000	.000
July	W/day	20	8	1	2	1	2	.	.	1.0	.000	.000	.000	.000	.000	.000	.500	.000	.000	.000	.000	.000	.000	.000
trip		28	16	2	10	6	38	0	0															
		====	====	====	====	====	====	====	====															
		242	148	873	2,133	3,807	9,418	73,091	16,321															

Lake Billy Chinook Creel Survey, Boat and Bank Anglers - 2005

**** SECOND DRAFT ****

December 29, 2005

ESTIMATED CATCH RATE (fish/angler hour) AND ESTIMATED EFFORT
SUMMARIZED BY MONTH

----- TRIP TYPE=Boat Anglers -----

Month	Days in Strat	Num Days Samp	Num Parties Samp	Num Angr Samp	Party Hours Samp	Angler Hours Samp	Estim Angr Hours Effort	Estim Num Angr Trips	Avg Trip Length (Hrs)	Bull Trout Kept	Bull Trout Rel Legal	Bull Trout Rel Subleg	Kok Kept	Kok Rel Legal	Sm Mth Bass Kept	Sm Mth Bass Rel Legal	Rain Kept	Rain Rel Legal	Rain Rel Subleg	Brown Trout Kept	Brown Trout Rel Legal	Brown Trout Rel Subleg	
March	31	19	232	571	1,084	2,689	16,922	3,648	4.6	0.024	0.057	0.073	0.053	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000
April	30	22	171	404	848	2,039	11,414	2,311	4.9	0.019	0.041	0.090	0.022	0.000	0.007	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.001
May	31	17	94	210	459	1,031	11,166	2,305	4.8	0.010	0.025	0.116	0.254	0.065	0.050	0.239	0.001	0.000	0.000	0.000	0.000	0.000	0.000
June	30	21	215	551	903	2,344	18,503	4,318	4.3	0.001	0.001	0.030	0.529	0.020	0.029	0.208	0.010	0.001	0.000	0.001	0.001	0.000	0.000
July	31	16	105	259	415	1,024	15,087	3,740	4.0	0.001	0.000	0.039	0.451	0.040	0.067	0.820	0.011	0.018	0.001	0.001	0.006	0.000	0.000
trip	153	95	817	1,995	3,708	9,127	73,091	16,321															
	====	====	=====	=====	=====	=====	=====	=====															
	153	95	817	1,995	3,708	9,127	73,091	16,321															