

**Klamath River Basin Spring Chinook Salmon Spawner Escapement, River Harvest and Run-size Estimates
1980-2023 a/**

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SPAWNER ESCAPEMENT

Hatchery Spawners Trinity River Hatchery (TRH) b/	1980			1981			1982		
	Grilse	Adults	Totals	Grilse	Adults	Totals	Grilse	Adults	Totals
	353	547	900	95	2,405	2,500	150	1,226	1,376
Natural Spawners									
Klamath River Basin									
Salmon River		22	c/		20	c/		17	c/
Misc. Tribs. d/		0		4	4		0	5	5
Trinity River Basin									
Above JCW, excluding TRH b/	1,312	1,614	2,926	242	3,362	3,604	387	3,868	4,255
South Fork e/		25	25				161	161	
Misc. Tribs. f/		49	49				8	8	
Subtotals	1,312	1,688	3,022	242	3,366	3,628	387	4,042	4,446
Total Spawner Escapement	1,665	2,235	3,922	337	5,771	6,128	537	5,268	5,822

RIVER HARVEST

Harvest	1980			1981			1982		
	Grilse	Adults	Totals	Grilse	Adults	Totals	Grilse	Adults	Totals
Klamath River Basin									
Yurok Tribal Harvest				0	1,717	1,717	0	2,440	2,440
Angler									
Trinity River Basin									
Hoopa Tribal Harvest				17	1,090	1,107	10	715	725
Angler b/	284	140	424	10	2,146	2,156	119	637	756
Total River Harvest	284	140	424	27	4,953	4,980	129	3,792	3,921

RUN-SIZE ESTIMATES

Total Run-size Estimates	1980			1981			1982		
	Grilse	Adults	Totals	Grilse	Adults	Totals	Grilse	Adults	Totals
	1,949	2,375	4,346	364	10,724	11,108	666	9,060	9,743

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SPAWNER ESCAPEMENT

Hatchery Spawners Trinity River Hatchery (TRH) b/	1983			1984			1985		
	Grilse	Adults	Totals	Grilse	Adults	Totals	Grilse	Adults	Totals
	385	930	1,315	76	736	812	508	2,645	3,153
Natural Spawners									
Klamath River Basin									
Salmon River									
Misc. Tribs. d/									
Trinity River Basin									
Above JCW, excluding TRH b/									
South Fork e/									
Misc. Tribs. f/									
Subtotals	6	6		16	16		2	32	c/
	140	1,354	1,494	799	4,897	5,696			
	27	27		300	300				
	39	39		25	25		29	29	
	45	45		140	1,422	1,562	799	5,228	6,059
Total Spawner Escapement	385	975	1,360	216	2,158	2,374	1,307	7,873	9,212

RIVER HARVEST

Harvest	1983			1984			1985		
	Grilse	Adults	Totals	Grilse	Adults	Totals	Grilse	Adults	Totals
Klamath River Basin									
Yurok Tribal Harvest									
Angler									
Trinity River Basin									
Hoopa Tribal Harvest									
Angler b/									
	510	510		247	247		1,074	1,074	
	5	75	75	0	380	380	115	1,000	1,115
				39	375	414	127	736	863
Total River Harvest	5	585	585	39	1,002	1,041	242	2,810	3,052

RUN-SIZE ESTIMATES

Total Run-size Estimates	1983			1984			1985		
	Grilse	Adults	Totals	Grilse	Adults	Totals	Grilse	Adults	Totals
	390	1,560	1,945	255	3,160	3,415	1,549	10,683	12,264

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SPAWNER ESCAPEMENT

Hatchery Spawners Trinity River Hatchery (TRH) b/	1986			1987			1988		
	Grilse	Adults	Totals	Grilse	Adults	Totals	Grilse	Adults	Totals
	1,461	7,083	8,544	1,387	8,466	9,853	377	13,905	14,282
Natural Spawners									
Klamath River Basin									
Salmon River		88	c/		63	c/		98	c/
Misc. Tribs. d/				2	2		7	7	
Trinity River Basin									
Above JCW, excluding TRH b/	4,335	13,371	17,706	2,577	29,083	31,660	241	39,329	39,570
South Fork e/		183	183		153	153		59	59
Misc. Tribs. f/								273	273
Subtotals	4,335	13,554	17,977	2,577	29,238	31,878	241	39,668	40,007
Total Spawner Escapement	5,796	20,637	26,521	3,964	37,704	41,731	618	53,573	54,289

RIVER HARVEST

Harvest	1986			1987			1988		
	Grilse	Adults	Totals	Grilse	Adults	Totals	Grilse	Adults	Totals
Klamath River Basin									
Yurok Tribal Harvest	0	692	692	0	1,646	1,646	0	2,918	2,918
Angler							104	44	148 h/
Trinity River Basin									
Hoopa Tribal Harvest	81	2,022	2,022	122	4,146	4,268	84	2,727	2,811
Angler b/	1,222	2,949	4,171	894	8,467	9,361	102	8,738	8,840
Total River Harvest	1,303	5,663	6,885	1,016	14,259	15,275	290	14,427	14,717

RUN-SIZE ESTIMATES

Total Run-size Estimates	1986			1987			1988		
	Grilse	Adults	Totals	Grilse	Adults	Totals	Grilse	Adults	Totals
	7,099	26,300	33,406	4,980	51,963	57,006	908	68,000	69,006

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SPAWNER ESCAPEMENT

Hatchery Spawners Trinity River Hatchery (TRH) b/	1989			1990			1991				
	Grilse	Adults	Totals	Grilse	Adults	Totals	Grilse	Adults	Totals		
	17	4,983	5,000		104	2,433	2,537		71	614	685
Natural Spawners											
Klamath River Basin											
Salmon River											
Misc. Tribs. d/											
Trinity River Basin											
Above JCW, excluding TRH b/											
South Fork e/											
Misc. Tribs. f/											
Subtotals											
	435	18,241	18,676		126	2,880	3,006		92	1,268	1,360
		7	7			82	82			66	66
			17				33				5
	435	18,257	18,709		126	2,962	3,290		92	1,334	1,618
Total Spawner Escapement	452	23,240	23,709	230	5,395	5,827	163	1,948	2,303		

RIVER HARVEST

Harvest	1989			1990			1991		
	Grilse	Adults	Totals	Grilse	Adults	Totals	Grilse	Adults	Totals
Klamath River Basin									
Yurok Tribal Harvest	0	4,745	4,745	0	1,413	1,413	0	283	283
Angler	0	145	145	0	17	17	17	91	108 h/
Trinity River Basin									
Hoopa Tribal Harvest	20	1,978	1,998	24	865	889	0	263	263
Angler b/	50	2,580	2,630	35	810	845	27	309	336
Total River Harvest	70	9,448	9,518	59	3,105	3,164	44	946	990

RUN-SIZE ESTIMATES

Total Run-size Estimates									
	Grilse	Adults	Totals	Grilse	Adults	Totals	Grilse	Adults	Totals
	522	32,688	33,227	289	8,500	8,991	207	2,894	3,293

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SPAWNER ESCAPEMENT

Hatchery Spawners Trinity River Hatchery (TRH) b/	1992			1993			1994		
	Grilse	Adults	Totals	Grilse	Adults	Totals	Grilse	Adults	Totals
	533	1,313	1,846	31	2,630	2,661	944	1,943	2,887
Natural Spawners									
Klamath River Basin									
Salmon River		368	g/		311	g/		755	g/
Misc. Tribs. d/								1	1
Trinity River Basin									
Above JCW, excluding TRH b/	944	942	1,886	37	2,111	2,148	550	2,897	3,447
South Fork e/	30	136	166		284	284	18	217	235
Misc. Tribs. f/	3	15	18			48			22
Subtotals	944	1,093	2,438	37	2,395	2,791	550	3,115	4,460
Total Spawner Escapement	1,477	2,406	4,284	68	5,025	5,452	1,494	5,058	7,347

RIVER HARVEST

Harvest	1992			1993			1994		
	Grilse	Adults	Totals	Grilse	Adults	Totals	Grilse	Adults	Totals
Klamath River Basin									
Yurok Tribal Harvest	0	396	396	0	550	550	0	501	501
Angler	0	17	17	0	0	0	96	0	96
Trinity River Basin									
Hoopa Tribal Harvest	0	346	346	0	228	228	0	255	255
Angler b/	194	104	298	0	423	423	299	155	454
Total River Harvest	194	863	1,057	0	1,201	1,201	395	911	1,306

RUN-SIZE ESTIMATES

Total Run-size Estimates	1992			1993			1994		
	Grilse	Adults	Totals	Grilse	Adults	Totals	Grilse	Adults	Totals
	1,671	3,269	5,341	68	6,226	6,653	1,889	5,969	8,653

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SPAWNER ESCAPEMENT									
Hatchery Spawners	1995			1996			1997		
	Grilse	Adults	Totals	Grilse	Adults	Totals	Grilse	Adults	Totals
Trinity River Hatchery (TRH) b/	385	8,722	9,107	119	5,131	5,250	225	4,892	5,117
Natural Spawners									
Klamath River Basin									
Salmon River	194	1,335	1,529	7	1,246	1,246	57	1,234	1,291
Misc. Tribs. d/	2	2	g/	7	7	g/	1	1	g/
Trinity River Basin									
Above JCW, excluding TRH b/	370	16,283	16,653	543	13,049	13,592			
South Fork e/	108	447	555	1,097	1,097	1,097	647	647	647
Misc. Tribs. f/		135		73		73		49	
Subtotals	302	1,784	2,221	370	17,387	19,076	600	14,931	15,580
Total Spawner Escapement	687	10,506	11,328	489	22,518	24,326	825	19,823	20,697
RIVER HARVEST									
Harvest	1995			1996			1997		
	Grilse	Adults	Totals	Grilse	Adults	Totals	Grilse	Adults	Totals
Klamath River Basin									
Yurok Tribal Harvest	0	2,592	2,592	0	5,905	5,905	0	5,440	5,440
Angler	206	258	464	264	406	670	227	559	786
Trinity River Basin									
Hoopa Tribal Harvest	93	1,175	1,268	6	1,182	1,188	1	1,250	1,251
Angler b/		0	1,513	0	1,513	1,513	0	1,330	1,330
Total River Harvest	299	4,025	4,324	270	9,006	9,276	228	8,579	8,807
RUN-SIZE ESTIMATES									
Total Run-size Estimates	1995			1996			1997		
	Grilse	Adults	Totals	Grilse	Adults	Totals	Grilse	Adults	Totals
Total Run-size Estimates	986	14,531	15,652	759	31,524	33,602	1,053	28,402	29,504

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SPAWNER ESCAPEMENT

Hatchery Spawners Trinity River Hatchery (TRH) b/	1998			1999			2000		
	Grilse	Adults	Totals	Grilse	Adults	Totals	Grilse	Adults	Totals
	184	4,679	4,863	547	3,671	4,218	571	11,594	12,165

Natural Spawners									
Klamath River Basin									
Salmon River		265	g/	56	380	436	22	203	225
Misc. Tribs. d/	2	2		14	14	14	5	5	5
Trinity River Basin									
Above JCW, excluding TRH b/	567	9,057	9,624	440	5,968	6,408	1,264	10,846	12,110
South Fork e/	1	171	172	18	157	175	25	231	256
Misc. Tribs. f/		33				15	0	16	16
Subtotals	568	9,230	10,096	514	6,519	7,048	1,311	11,301	12,612
Total Spawner Escapement	752	13,909	14,959	1,061	10,190	11,266	1,882	22,895	24,777

RIVER HARVEST

Harvest	1998			1999			2000		
	Grilse	Adults	Totals	Grilse	Adults	Totals	Grilse	Adults	Totals
Klamath River Basin									
Yurok Tribal Harvest		2,338	2,338		2,392	2,392		3,207	3,207
Angler	19	393	412	41	604	645	39	122	161
Trinity River Basin									
Hoopa Tribal Harvest	45	426	471	13	776	789	41	1,856	1,897
Angler b/	51	1,629	1,680	41	626	667	324	1,483	1,807
Total River Harvest	115	4,786	4,901	95	4,398	4,493	404	6,668	7,072

RUN-SIZE ESTIMATES

Total Run-size Estimates	1998			1999			2000		
	Grilse	Adults	Totals	Grilse	Adults	Totals	Grilse	Adults	Totals
	867	18,695	19,860	1,156	14,588	15,759	2,286	29,563	31,849

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SPAWNER ESCAPEMENT									
Hatchery Spawners	2001			2002			2003		
	Grilse	Adults	Totals	Grilse	Adults	Totals	Grilse	Adults	Totals
Trinity River Hatchery (TRH) b/	629	6,366	6,995	617	10,440	11,057	130	14,512	14,642
Natural Spawners									
Klamath River Basin									
Salmon River	63	325	388	27	984	1,011	25	1,241	1,266
Misc. Tribs. d/	1	1	g/	2	6	8	0	8	8
Trinity River Basin									
Above JCW, excluding TRH b/	1,178	10,284	11,462	1,883	23,674	25,557	909	30,211	31,120
South Fork e/	22	144	166	37	347	384	12	263	275
Misc. Tribs. f/	2	6	8	10	16	26	1	83	84
Subtotals	1,265	10,760	12,025	1,959	25,027	26,986	947	31,806	32,753
Total Spawner Escapement	1,894	17,126	19,020	2,576	35,467	38,043	1,077	46,318	47,395
RIVER HARVEST									
Harvest	2001			2002			2003		
	Grilse	Adults	Totals	Grilse	Adults	Totals	Grilse	Adults	Totals
Klamath River Basin									
Yurok Tribal Harvest		14,890	14,890						
Angler	65	833	898	61	751	812	20	226	246
Trinity River Basin									
Hoopa Tribal Harvest	46	4,164	4,210	40	3,192	3,232	7	2,377	2,384
Angler b/	258	906	1,164	75	1,796	1,871	0	2,033	2,033
Total River Harvest	369	20,793	21,162	303	17,878	18,181	120	11,233	11,353
RUN-SIZE ESTIMATES									
Total Run-size Estimates	2001			2002			2003		
	Grilse	Adults	Totals	Grilse	Adults	Totals	Grilse	Adults	Totals
	2,263	37,919	40,182	2,879	53,345	56,224	1,197	57,551	58,748

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SPAWNER ESCAPEMENT

Hatchery Spawners	2004			2005			2006		
	Grilse	Adults	Totals	Grilse	Adults	Totals	Grilse	Adults	Totals
Trinity River Hatchery (TRH) b/	985	5,251	6,236	25	6,966	6,991	819	2,565	3,384

Natural Spawners	2004			2005			2006		
Klamath River Basin	Grilse	Adults	Totals	Grilse	Adults	Totals	Grilse	Adults	Totals
Salmon River	101	343	444	12	78	90	83	233	316
Misc. Tribs. d/	1	3	4	2	2	2	0	1	1
Trinity River Basin									
Above JCW, excluding TRH b/	1,708	7,314	9,022	30	6,003	6,033	1,127	2,955	4,082
South Fork e/	14	45	59	11	61	72	8	138	146
Misc. Tribs. f/	5	12	17	2	4	6	42	70	112
Subtotals	1,829	7,717	9,546	55	6,148	6,203	1,260	3,397	4,657

Total Spawner Escapement	2,814	12,968	15,782	80	13,114	13,194	2,079	5,962	8,041
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RIVER HARVEST

Harvest	2004			2005			2006		
	Grilse	Adults	Totals	Grilse	Adults	Totals	Grilse	Adults	Totals
Klamath River Basin									
Yurok Tribal Harvest	15	3,595	3,610	0	2,258	2,258	47	2,671	2,718
Angler	16	17	33	9	84	93	123	35	158
Trinity River Basin									
Hoopa Tribal Harvest	62	1,944	2,006	17	1,858	1,875	58	1,632	1,690
Angler b/	236	653	889	0	961	961	17	0	17

Total River Harvest	329	6,209	6,538	26	5,161	5,187	245	4,338	4,583
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RUN-SIZE ESTIMATES

Total Run-size Estimates	2004			2005			2006		
	Grilse	Adults	Totals	Grilse	Adults	Totals	Grilse	Adults	Totals
	3,143	19,177	22,320	106	18,275	18,381	2,324	10,300	12,624

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SPAWNER ESCAPEMENT

Hatchery Spawners	2007			2008			2009		
	Grilse	Adults	Totals	Grilse	Adults	Totals	Grilse	Adults	Totals
Trinity River Hatchery (TRH) b/	55	5,981	6,036	329	3,437	3,766	69	3,000	3,069
Natural Spawners									
Klamath River Basin									
Salmon River	80	842	922	367	945	1,312	124	545	669
Misc. Tribs. d/	2	2	g/	2	5	7	0	3	3
Trinity River Basin									
Above JCW, excluding TRH b/	80	8,154	8,234	1,741	4,470	6,211	191	3,724	3,915
South Fork e/	4	208	212	5	23	28	9	107	116
Misc. Tribs. f/	4	54	58	2,115	5,443	7,558	47	46	93
Subtotals	168	9,260	9,428				371	4,425	4,796
Total Spawner Escapement	223	15,241	15,464	2,444	8,880	11,324	440	7,425	7,865

RIVER HARVEST

Harvest	2007			2008			2009		
	Grilse	Adults	Totals	Grilse	Adults	Totals	Grilse	Adults	Totals
Klamath River Basin									
Yurok Tribal Harvest	0	4,494	4,494	9	2,020	2,029	2	1,760	1,762
Angler	25	72	97	174	74	248	11	37	48
Trinity River Basin									
Hoopa Tribal Harvest	6	1,349	1,355	77	1,327	1,404	74	1,764	1,838
Angler b/	0	565	565	148	158	306	0	442	442
Total River Harvest	31	6,480	6,511	408	3,579	3,987	87	4,003	4,090

RUN-SIZE ESTIMATES

Total Run-size Estimates	2007			2008			2009		
	Grilse	Adults	Totals	Grilse	Adults	Totals	Grilse	Adults	Totals
	254	21,721	21,975	2,852	12,459	15,311	527	11,428	11,955

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SPAWNER ESCAPEMENT

Hatchery Spawners	2010			2011			2012		
	Grilse	Adults	Totals	Grilse	Adults	Totals	Grilse	Adults	Totals
Trinity River Hatchery (TRH) b/	245	2,457	2,702	2,758	3,823	6,581	109	6,712	6,821

Natural Spawners	2010	2011	2012
Klamath River Basin			
Salmon River	280	1,081	1,361
Misc. Tribs. d/	0	3	3
Trinity River Basin			
Above JCW, excluding TRH b/	1,309	6,810	8,119
South Fork e/	15	108	123
Misc. Tribs. f/	50	180	230
Subtotals	1,654	8,182	9,836
Total Spawner Escapement	1,899	10,639	12,538
	8,724	12,978	21,702
	970	25,070	26,040

RIVER HARVEST

Harvest	2010			2011			2012		
	Grilse	Adults	Totals	Grilse	Adults	Totals	Grilse	Adults	Totals
Klamath River Basin									
Yurok Tribal Harvest	6	3,273	3,279	29	2,586	2,615	33	3,589	3,622
Angler	183	566	749	645	942	1,587	230	545	775
Trinity River Basin									
Hoopa Tribal Harvest	4	1,740	1,744	108	2,282	2,390	21	2,647	2,668
Angler b/	0	463	463	112	0	112	163	1,976	2,139
Total River Harvest	193	6,042	6,235	894	5,810	6,704	447	8,757	9,204

RUN-SIZE ESTIMATES

Total Run-size Estimates	2010			2011			2012		
	Grilse	Adults	Totals	Grilse	Adults	Totals	Grilse	Adults	Totals
	2,092	16,681	18,773	9,618	18,788	28,406	1,417	33,827	35,244

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SPAWNER ESCAPEMENT

Hatchery Spawners	2013			2014			2015		
	Grilse	Adults	Totals	Grilse	Adults	Totals	Grilse	Adults	Totals
Trinity River Hatchery (TRH) b/	96	2,482	2,578	362	3,255	3,617	240	1,748	1,988
Natural Spawners									
Klamath River Basin									
Salmon River	125	770	895	63	832	895	28	273	301
Misc. Tribs. d/	5	13	18	0	21	21	0	7	7
Trinity River Basin									
Above JCW, excluding TRH b/	185	5,956	6,141	282	2,833	3,115	250	1,980	2,230
South Fork e/	36	295	331	8	83	91	0	0	0
Misc. Tribs. f/	58	166	224	27	105	132	278	2,260	2,538
Subtotals	409	7,200	7,609	380	3,874	4,254			
Total Spawner Escapement	505	9,682	10,187	742	7,129	7,871	518	4,008	4,526

RIVER HARVEST

Harvest	2013			2014			2015		
	Grilse	Adults	Totals	Grilse	Adults	Totals	Grilse	Adults	Totals
Klamath River Basin									
Yurok Tribal Harvest	7	3,753	3,760	16	3,145	3,161	0	2,577	2,577
Angler	141	1,221	1,362	169	1,107	1,276	76	457	533
Trinity River Basin									
Hoopa Tribal Harvest	19	1,202	1,221	85	1,733	1,818	15	1,087	1,102
Angler b/	0	243	243	16	210	226	0	190	190
Total River Harvest	167	6,419	6,586	286	6,195	6,481	91	4,311	4,402

RUN-SIZE ESTIMATES

Total Run-size Estimates	2013			2014			2015		
	Grilse	Adults	Totals	Grilse	Adults	Totals	Grilse	Adults	Totals
	672	16,101	16,773	1,028	13,324	14,352	609	8,319	8,928

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**Klamath River Basin Spring Chinook Salmon Spawner Escapement, River Harvest and Run-size Estimates
1980-2023 a/**

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SPAWNER ESCAPEMENT

Hatchery Spawners	2016			2017			2018		
	Grilse	Adults	Totals	Grilse	Adults	Totals	Grilse	Adults	Totals
Trinity River Hatchery (TRH) b/	277	1,830	2,107	246	1,134	1,380	420	2,488	2,908
Natural Spawners									
Klamath River Basin									
Salmon River	33	406	439	33	133	166	20	171	191
Misc. Tribs. d/	0	1	1	0	2	2	1	11	12
Trinity River Basin									
Above JCW, excluding TRH b/	250	1,331	1,581	481	2,459	2,940	507	4,352	4,859
South Fork e/	3	58	61	4	17	21	2	17	19
Misc. Tribs. f/	6	42	48	2	32	34	6	11	17
Subtotals	292	1,838	2,130	520	2,643	3,163	536	4,562	5,098
Total Spawner Escapement	569	3,668	4,237	766	3,777	4,543	956	7,050	8,006

IN-RIVER HARVEST

Harvest	2016			2017			2018		
	Grilse	Adults	Totals	Grilse	Adults	Totals	Grilse	Adults	Totals
Klamath River Basin									
Yurok Tribal Harvest	0	1001	1,001	5	884	889	5	1,306	1,311
Angler	65	467	532	79	373	452	139	853	992
Trinity River Basin									
Hoopa Tribal Harvest	14	679	693	8	412	420	49	481	530
Angler b/	18	198	216	75	29	104	0	265	265
Total River Harvest	97	2,345	2,442	167	1,698	1,865	193	2,905	3,098

RUN-SIZE ESTIMATES

Total Run-size Estimates	2016			2017			2018		
	Grilse	Adults	Totals	Grilse	Adults	Totals	Grilse	Adults	Totals
Total Run-size Estimates	666	6,013	6,679	933	5,475	6,408	1,149	9,955	11,104

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**Klamath River Basin Spring Chinook Salmon Spawner Escapement, River Harvest and Run-size Estimates
1980-2023 a/**

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SPAWNER ESCAPEMENT

Hatchery Spawners	2019			2020			2021		
	Grilse	Adults	Totals	Grilse	Adults	Totals	Grilse	Adults	Totals
Trinity River Hatchery (TRH) b/	68	4,410	4,478	303	957	1,260	307	1,698	2,005
Natural Spawners									
Klamath River Basin									
Salmon River	23	138	161	9	97	106	6	89	95
Misc. Tribs. d/	0	0	0	0	0	0	0	9	9
Trinity River Basin									
Above JCW, excluding TRH b/	162	7,378	7,540	336	1,567	1,903	471	2,927	3,398
South Fork e/	2	13	15	1	11	12			0
Misc. Tribs. f/	10	25	35	0	0	0			0
Subtotals	197	7,554	7,751	346	1,675	2,021	477	3,025	3,502
Total Spawner Escapement	265	11,964	12,229	649	2,632	3,281	784	4,723	5,507

IN-RIVER HARVEST

Harvest	2019			2020			2021		
	Grilse	Adults	Totals	Grilse	Adults	Totals	Grilse	Adults	Totals
Klamath River Basin									
Yurok Tribal Harvest	0	201	201	10	255	265	16	1,091	1,107
Angler	144	397	541	13	33	46	88	393	481
Trinity River Basin									
Hoopa Tribal Harvest	316	838	1,154	5	147	152	135	982	1,117
Angler b/	16	603	619	69	76	145	10	147	157
Total River Harvest	476	2,039	2,515	97	511	608	249	2,613	2,862

RUN-SIZE ESTIMATES

Total Run-size Estimates	2019			2020			2021		
	Grilse	Adults	Totals	Grilse	Adults	Totals	Grilse	Adults	Totals
	741	14,003	14,744	746	3,143	3,889	1,033	7,336	8,369

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**Klamath River Basin Spring Chinook Salmon Spawner Escapement, River Harvest and Run-size Estimates
1980-2023 a/**

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SPAWNER ESCAPEMENT

Hatchery Spawners	2022			2023			2024		
	Grilse	Adults	Totals	Grilse	Adults	Totals	Grilse	Adults	Totals
Trinity River Hatchery (TRH) b/	180	3,971	4,151	338	2,540	2,878			0
Natural Spawners									
Klamath River Basin									
Salmon River	19	271	290	23	218	241	0		
Misc. Tribs. d/	1	2	3	9	8	17	0		
Trinity River Basin									
Above JCW, excluding TRH b/	395	8,531	8,926	451	3,776	4,227	0		
South Fork e/	6	28	34	0	4	4	0		
Misc. Tribs. f/	19	118	137	8	70	78	0		
Subtotals	440	8,950	9,390	491	4,076	4,567	0	0	0
Total Spawner Escapement	620	12,921	13,541	829	6,616	7,445	0	0	0

IN-RIVER HARVEST

Harvest	2022			2023			2024		
	Grilse	Adults	Totals	Grilse	Adults	Totals	Grilse	Adults	Totals
Klamath River Basin									
Yurok Tribal Harvest	23	1,042	1,065	12	717	729	0		
Angler	43	197	240	0	0	0	0		
Trinity River Basin									
Hoopa Tribal Harvest	32	1,538	1,570	64	854	918	0		
Angler b/	0	186	186	0	6	6	0		
Total River Harvest	98	2,963	3,061	76	1,577	1,653	0	0	0

RUN-SIZE ESTIMATES

	2022			2023			2024		
	Grilse	Adults	Totals	Grilse	Adults	Totals	Grilse	Adults	Totals
Total Run-size Estimates	718	15,884	16,602	905	8,193	9,098	0	0	0

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Footnotes

- a/ 2023 data is preliminary and subject to revision.
- b/ CDFW Trinity Basin Salmon and Steelhead Monitoring Project Annual Reports (1980 to present).
 - Mark-recapture project above JCW not funded in 1995.
- c/ Index reach counts only (1980-1989). Adults and grilse not enumerated separately.
- d/ Select mid-Klamath Tributaries from Orleans and Happy Camp Ranger Districts Summer steelhead surveys; incidental observations of Spring Chinook (all streams not surveyed each year).
- e/ Dive surveys of South Fork Trinity and tributary Hayfork Creek. Hayfork Creek surveys began 1995. Jacks not enumerated in 1989-1991, 1993, 1996-1997. Hayfork Creek not surveyed in 2009, 2013-2014 and 2023. No surveys conducted in 2008, 2015, and 2021.
- f/ Trinity River Misc Tribs includes New River, North Fork Trinity and Canyon Creek.
 - Jacks not enumerated for all tributaries, combined totals only for 1989-1991, 1993-1999.
 - Canyon Creek not surveyed 1989, 2014-2015, 2021. North Fork Trinity not surveyed 1989, 2018, 2021. New River not surveyed in 2015, 2020, 2021. Not all reaches surveyed each year.
- g/ Full habitat Dive Survey Count of Salmon River Mainstem, Wooley Creek, North Fork, South Fork, and East Fork of the South Fork, including Index reach counts (1990 to present). Jacks not enumerated, or jacks/adult counts combined in 1990-1994, 1996, 1998. Additional tributaries to the Salmon River surveyed 1996, 2006, 2007, 2015, 2017 to present (counts included in totals).
 - Observed spring Chinook mortalities included in adult counts in 1994, 2002-2004, 2014 to present.
- h/ From Spring Chinook salmon CWTs recovered in CDFW Fall Chinook recreational creel survey (1988-2009).
- i/ Includes Hoopa creel below Willow Creek weir and estimated harvest above Junction City weir.
- j/ Numbers from the Spring Chinook salmon creel performed by CDFW mid-April until the fall Chinook salmon creel began the first weekend in August (2010 to 2018).
- k/ Above JC weir, numbers derived from tag returns only.
- l/ Beginning 2019, creel survey conducted from July 1 through Aug 5 in response to UKTR Spring Chinook Emergency Regulations, or subsequent approved regulations following listing under CESA. May include additional estimated harvest from Aug 6 through Aug 14 based upon coded wire tag returns in Spring and Fall Creel Surveys.
- m/ Includes 2 adult Spring Chinook estimated harvest from the Hoopa Non-Tribal Creel Survey.
- n/ Includes 10 jack Spring Chinook estimated harvest from the Hoopa Non-Tribal Creel Survey.
- o/ State-wide closure to recreational salmon fishing; no creel survey conducted in 2023.
- p/ State-wide closure to recreational salmon fishing, estimate derived from single Chinook tag return.

SPAWNER ESCAPEMENT	CONTACT NAME	EMAIL
Hatchery Spawners		
Trinity River Hatchery (TRH)	CDFW - Mary Claire Kier	maryclaire.kier@wildlife.ca.gov
Natural Spawners		
Klamath River Basin		
Salmon River	USFS - Maija Meneks	maiжа.meneks@usda.gov
Misc. Tributaries (Mid-Klamath)	USFS - John Grunbaum	jon.grunbaum@usda.gov
	USFS - LeRoy Cyr	leroy.cyr@usda.gov
	CDFW - Domenic Giudice	domenic.giudice@wildlife.ca.gov
Trinity River Basin		
Above JCW, excluding TRH	CDFW - Mary Claire Kier	maryclaire.kier@wildlife.ca.gov
South Fork	WRTC - Cindy Buxton	cbuxton@thewatershedcenter.com
Upper Trinity Tributaries	USFS - Eric Wiseman	eric.wiseman@usda.gov
	USFS - Amelia Fleitz	Amelia.Fleitz@usda.gov
	TCRCD - Annyssa Interrante	ainterrante@tcrcd.net
Lower Trinity Tributaries	USFS - LeRoy Cyr	leroy.cyr@usda.gov
HARVEST		
Klamath River Basin		
Yurok Tribe	Yurok Tribe - Keith Parker	kparker@yuroktribe.nsn.us
Recreational (Lower Klamath)	CDFW - Dan Troxel	dan.troxel@wildlife.ca.gov
Trinity River Basin		
Hoopa Tribal Harvest	Hoopa Tribe - Karl Seitz	kseitz@hoopa-nsn.gov
Recreational (above JCW)	CDFW - Mary Claire Kier	maryclaire.kier@wildlife.ca.gov

Data Caveats

1. Data are provided by Klamath basin agencies, tribes and non-profits and are not subject to external peer review.
2. Blanks cells represent no surveys or estimates, and zeros indicate surveys where no fish were observed. Basin estimates are subject to funding, personnel availability and entity priorities, therefore some sector estimates in some years are missing or are partial estimates.
3. Data collection methods vary by sector, general descriptions are the following:

Escapement

Trinity River Hatchery- Direct count

Salmon River- Single pass dive count

Misc. Klamath trib- Single pass dive count

Trinity River above Junction City Weir- mark/recapture estimate

South Fork Trinity River- Single pass dive count

Trinity River misc. trib- Single pass dive count

Harvest

Yurok Tribal harvest- roving estimate of effort and catch

Lower Klamath rec. harvest - roving and access point creel survey estimate

Hoopa Tribal Harvest - roving estimate of effort and catch

Trinity River rec. harvest (above Junction City weir) - Estimated via angler tag returns (harvest rate X run above Junction City weir)

4. Jack and adult estimates are obtained by visual interpretation (single pass dive counts) or by length frequency analyses (hatchery, Junction City weir, harvest estimates)
5. Natural escapement above Junction City weir contains annual variable hatchery component (stray component).
6. Trinity River Hatchery Spring Chinook mitigation production goals are 1 million smolts and 400,000 yearlings annually. These goals are not achieved in all years.
7. Run and spawn timing and spawn locations overlap with fall Chinook salmon in some areas, which could bias escapement and harvest estimates in some years.
8. State and Tribal fishery regulations can influence both harvest and escapement. Klamath basin Spring Chinook are currently not managed by the Pacific Fishery Management Council for tribal/non-tribal allocations.