

Table 1- 2003 Fall Chinook Spawning Survey results by stream, date, actual surveyed reach, and surveyors - Klamath NF, Happy Camp and Ukonom Ranger Districts

<u>Stream</u>	<u>Reach Surveyed</u>	<u>Date Surveyed</u>	<u>Surveyors & Affiliation</u>	<u>Survey Method</u>
Notes: (1)The fall Chinook surveys do not extend late enough in the season in Elk Creek (or any other stream on the Happy Camp or Ukonom Ranger Districts) to make any quantitative estimates of the spawning population of Coho				
(2) These are actual reaches that were surveyed and may not correspond to established reaches.				
Clear	0.25 miles above Slippery RA - Mouth	10/8/2003	Alan Crockett-USFS, Steve Robinson- USFS	Snorkel
Clear	0.25 miles above Slippery RA - Mouth	10/21/2003	Alan Crockett-USFS, Steve Robinson- USFS	Snorkel
Clear	Slippery RA - Mouth	11/5/2003	Mike Stutsman - Yurok Tribe Fisheries; Jon Grunbaum - USFS	Snorkel
Clear	0.25 miles above Slippery RA to slippery ra	11/13/2003	Alan Crockett-USFS	Snorkel
Clear	0.25 miles above Slippery RA - Mouth	11/19/2003	Alan Crockett-USFS, Steve Robinson- USFS	Snorkel
Clear	Slippery RA - Mouth	12/11/2003	Mike Stutsman - Yurok Tribe Fisheries; Jon Grunbaum - USFS	Snorkel
Dillon	2 mile to Mouth	10/17/2003	Alan Crockett-USFS, Steve Robinson- USFS	Snorkel
Dillon	Mill Ck - mouth	11/3/2003	Jon Grunbaum-USFS	Snorkel
Dillon	2 mile to Mouth	11/20/2003	Alan Crockett-USFS, Steve Robinson- USFS	Snorkel
Dillon	Mill Ck - mouth	12/10/2003	Jon Grunbaum-USFS	Snorkel

Table 1- 2003 F								
Notes:								
<u>Stream</u>	<u>Reach Surveyed</u>	<u># Chin Redds</u>	<u># Live Adult Chin.</u>	<u># Live Jack Chin</u>	<u>Total # Chin</u>	<u># Live Adult Steelhead</u>	<u># Live 1/2 pounders</u>	<u>Total # Steelhead</u>
				(b)	(b)	(c)	(c)	(c)
Clear	0.25 miles above Slippery RA - Mouth	11	93	1	94	a	a	346
Clear	0.25 miles above Slippery RA - Mouth	56	259	5	264	a	a	251
Clear	Slippery RA - Mouth	49	220	0	220	a	a	224
Clear	0.25 miles above Slippery RA to slippery ra	11	41	3	44	a	a	66
Clear	0.25 miles above Slippery RA - Mouth	44	111	0	111	a	a	92
Clear	Slippery RA - Mouth	0*	2	0	2	a	a	278
Totals		171						
Dillon	2 mile to Mouth	3	3	0	3	a	a	73
Dillon	Mill Ck - mouth	12	16	0	16	a	a	71
Dillon	2 mile to Mouth	18	21	1	22	a	a	21
Dillon	Mill Ck - mouth	1*	0	0	0	a	a	60**
Totals		33						

Table 1- 2003 F					
Notes:					
<u>Stream</u>	<u>Reach Surveyed</u>	<u># Live Adult Coho</u>	<u># Coho Redds</u>	<u>Retrievable (d) Chin. Carcasses</u>	<u>Retrievable (d) Coho Carcasses</u>
Clear	0.25 miles above Slippery RA - Mouth	0	0	2	0
Clear	0.25 miles above Slippery RA - Mouth	0	0	0	0
Clear	Slippery RA - Mouth	0	0	2	0
Clear	0.25 miles above Slippery RA to slippery ra	0	0	2	0
Clear	0.25 miles above Slippery RA - Mouth	0	0	17	0
Clear	Slippery RA - Mouth	0	0	0	0
Totals				23	
Dillon	2 mile to Mouth	0	0	0	0
Dillon	Mill Ck - mouth	0	0	0	0
Dillon	2 mile to Mouth	0	0	2	0
Dillon	Mill Ck - mouth	0	0	0	0
Totals				2	

Table 1- 2003 F	
Notes:	
<u>Stream</u>	<u>Comments</u>
Clear	
Clear	
Clear	
Clear	
Clear	1 otter, 1 mink, 2 bald eagles
Clear	#####
Dillon	
Dillon	large bear seen @ 1/2 way into reach. About 30% of sthd were 1/2 pounders
Dillon	bald eagle eating on carcass #1. Large bear seen in same spot as previous survey.
Dillon	#####

<u>Stream</u>	<u>Reach Surveyed</u>	<u>Date Surveyed</u>	<u>Surveyors & Affiliation</u>	<u>Survey Method</u>
Elk	5MB - water plant	10/22/2003	Alan Crockett-USFS, Mike Stutsman- Yurok tribal fisheries	Snorkel
Elk	5MB - water plant	11/5/2003	Alan Crockett-USFS	Snorkel
Elk	5MB - water plant	11/19/2003	Jon Grunbaum-USFS	Snorkel
Elk	5MB - water plant	12/3/2003	Mike Stutsman, Seth Naman - Yurok Tribe	Snorkel
Elk	Twins Ck - 5MB	10/22/2003	Alan Crockett-USFS, Mike Stutsman- Yurok tribal fisheries	Snorkel
Elk	Twins Ck - 5MB	11/5/2003	Alan Crockett-USFS	Snorkel
Elk	Twins Ck - 5MB	11/19/2003	Jon Grunbaum-USFS	Snorkel
Elk	Twins Ck - 5MB	12/3/2003	Mike Stutsman, Seth Naman - Yurok Tribe	Snorkel
Elk	Doolittle - Twins	10/22/2003	Guy Smith, Trish Delrose, USF&G	Walk
Elk	Doolittle - Twins	11/5/2003	Ken Brinks, Sonny Mitchel.: Karuk Tribe	Walk
Elk	Doolittle - Twins	11/19/2003	Mike Stutsman, Bob Hunsucker; Yurok Tribal fisheries	Walk
Elk	Doolittle - Twins	12/3/2003	Steve Robinson, Jon Grunbaum - USFS	Snorkel
Elk	Bear - Doolittle	10/25/2003	Alan Crockett-USFS, Jon Grunbaum- USFS	Snorkel
Elk	Bear - Doolittle	11/5/2003	Bob Hunsucker- Yurok tribe, Bubba King- Karuk tribe	Walk
Elk	Bear - Doolittle	11/26/2003	Alan Crockett-USFS, Jon Grunbaum- USFS	Snorkel/Walk
Grider	No Name - mouth	10/22/2003	Eileen Williams, E. Reese: CDF&G	Walk
Grider	No Name - mouth	11/5/2003	Guy Smith, Ruddy Pengrast;CDF&G	Walk
Grider	No Name - mouth	11/19/2003	Eileen Williams, Trish Delrose : CDF&G	Walk
Grider	No Name - mouth	12/10/2003	Eileen Williams, Eric Ojerholm, Scott Brown : CDF&G	Walk
Grider	Bark Shanty - No Name	10/22/2003	Steve Robinson-USFS, Bob Hunsucker- yurok tribal fisheries	Walk

<u>Stream</u>	<u>Reach Surveyed</u>	<u># Chin Redds</u>	<u># Live Adult Chin.</u>	<u># Live Jack Chin</u>	<u>Total # Chin</u>	<u># Live Adult Steelhead</u>	<u># Live 1/2 pounders</u>	<u>Total # Steelhead</u>
Elk	5MB - water plant	44	87	0	87	a	a	95
Elk	5MB - water plant	17	42	1	43	a	a	69
Elk	5MB - water plant	14	20	0	20	a	a	31
Elk	5MB - water plant	1	10	0	10	33	11	44
Elk	Twins Ck - 5MB	16	30	0	30	a	a	80
Elk	Twins Ck - 5MB	7	23	0	23	a	a	58
Elk	Twins Ck - 5MB	1	9	0	9	a	a	162
Elk	Twins Ck - 5MB	0	2	0	2	131	9	140
Elk	Doolittle - Twins	0	18	0	18	a	a	0
Elk	Doolittle - Twins	27	25	0	25	a	a	2
Elk	Doolittle - Twins	12	16	0	0	a	a	0
Elk	Doolittle - Twins	3	3	0	3	a	a	134
Elk	Bear - Doolittle	6	17	0	17	a	a	19
Elk	Bear - Doolittle	8	8	0	8	a	a	1
Elk	Bear - Doolittle	3	2	0	2	a	a	32
	Totals	159						
Grider	No Name - mouth	41	56	0	56	a	a	0
Grider	No Name - mouth	32	47	0	47	a	a	0
Grider	No Name - mouth	7	6	0	6	a	a	0
Grider	No Name - mouth	3	0	0	0	a	a	0
Grider	Bark Shanty - No Name	22	30	0	30	a	a	0

<u>Stream</u>	<u>Reach Surveyed</u>	<u># Live Adult Coho</u>	<u># Coho Redds</u>	<u>Retrievable (d) Chin. Carcasses</u>	<u>Retrievable (d) Coho Carcasses</u>
Elk	5MB - water plant	0	0	2	0
Elk	5MB - water plant	0	0	7	0
Elk	5MB - water plant	0	0	6	0
Elk	5MB - water plant	0	0	1	0
Elk	Twins Ck - 5MB	0	0	0	0
Elk	Twins Ck - 5MB	0	0	2	0
Elk	Twins Ck - 5MB	0	0	5	0
Elk	Twins Ck - 5MB	0	0	2	0
Elk	Doolittle - Twins	0	0	0	0
Elk	Doolittle - Twins	0	0	2	0
Elk	Doolittle - Twins	0	0	12	0
Elk	Doolittle - Twins	0	0	1	0
Elk	Bear - Doolittle	0	0	0	0
Elk	Bear - Doolittle	0	0	0	0
Elk	Bear - Doolittle	0	0	3	0
	Totals			43	
Grider	No Name - mouth	0	0	3	0
Grider	No Name - mouth	0	0	3	0
Grider	No Name - mouth	0	0	1	0
Grider	No Name - mouth	1*	0	2	0
Grider	Bark Shanty - No Name	0	0	0	0

<u>Stream</u>	<u>Comments</u>
Elk	bear claw marks on carcass #1, carcass #2 is ad clipped jack.
Elk	some of weeks previous flagging had been torn down.
Elk	about 15% of steelhead seen were half-pounders
Elk	Thirteen KS carcasses seen - only three process-able. Only 3 of the 13 carcasses seen were male. A couple of steelhead in one pool had fungus. Not sure second trib break identified correctly, but the break made was close.
Elk	
Elk	some flags ripped down by something.
Elk	about 15% of steelhead seen were half-pounders
Elk	
Elk	
Elk	
Elk	
Elk	about 15% of steelhead seen were half-pounders
Elk	dive conducted over two days due to knee injury
Elk	
Elk	
Grider	
Grider	
Grider	
Grider	Need to confirm this coho with Eileen!!
Grider	

<u>Stream</u>	<u>Reach Surveyed</u>	<u>Date Surveyed</u>	<u>Surveyors & Affiliation</u>	<u>Survey Method</u>
Grider	Bark Shanty - No Name	11/5/2003	Eileen Williams, Trish Delrose : CDF&G	Walk
Grider	Bark Shanty - No Name	11/19/2003	Guy Smith, Eric Ojerholm; CDF&G	Walk
Grider	Bark Shanty - No Name	12/3/2003	Eric Ojerholm, Scott Brown - CDF&G	Walk
MS Salmon R	Wooley - mouth	10/14/2003	Nat Pennington- MKWK , Anita Andazola- usfs	Snorkel
MS Salmon R	Wooley - mouth	10/24/2003	Alan Crockett-USFS, Steve Robinson- USFS	Snorkel
MS Salmon R	Wooley - mouth	11/4/2003	Jon Grunbaum-USFS	Snorkel
MS Salmon R	Wooley - mouth	11/18/2003	Nat Pennington- MKWK	Snorkel
MS Salmon R	Grants - Wooley	10/14/2003	Alan Crockett-USFS; Tony Hacking- USFS	Snorkel
MS Salmon R	Grants - Wooley	10/28/2003	Steve Robinson -USFS David McNeil- MKWK	Snorkel
MS Salmon R	Grants - Wooley	11/18/2003	Steve Robinson -USFS David McNeil- MKWK	Snorkel
MS Salmon R	Nordheimer - Grants	10/14/2003	Steve Robinson:USFS, Jon Grunbaum- USFS	Snorkel
MS Salmon R	Nordheimer - Grants	10/24/2003	Jon Grunbaum-USFS, Alan Crockett- USFS	Snorkel
MS Salmon R	Nordheimer - Grants	11/4/2003	Alan Crockett-USFS, Steve Robinson- USFS	Snorkel
MS Salmon R	Nordheimer - Grants	11/18/2003	Alan Crockett-USFS, Jon Grunbaum- USFS	Snorkel

<u>Stream</u>	<u>Reach Surveyed</u>	<u># Chin Redds</u>	<u># Live Adult Chin.</u>	<u># Live Jack Chin</u>	<u>Total # Chin</u>	<u># Live Adult Steelhead</u>	<u># Live 1/2 pounders</u>	<u>Total # Steelhead</u>
Grider	Bark Shanty - No Name	7	16	0	16	a	a	0
Grider	Bark Shanty - No Name	7	9	0	9	a	a	0
Grider	Bark Shanty - No Name	1	0	0	0	0	0	0
	Totals	120						
MS Salmon R	Wooley - mouth	1	157	0	157	a	a	378
MS Salmon R	Wooley - mouth	11	116	1	117	a	a	575
MS Salmon R	Wooley - mouth	15	50	0	a	a	a	521
MS Salmon R	Wooley - mouth	5	17	0	17	a	a	51
MS Salmon R	Grants - Wooley	6	121	3	246	a	a	28
MS Salmon R	Grants - Wooley	18	25	1	26	a	a	22
MS Salmon R	Grants - Wooley	16	6	0	6	a	a	21
MS Salmon R	Nordheimer - Grants	9	350	3	353	a	a	270
MS Salmon R	Nordheimer - Grants	64	241	8	249	a	a	358
MS Salmon R	Nordheimer - Grants	17	59	0	59	a	a	182
MS Salmon R	Nordheimer - Grants	21	42	1	43	a	a	335
	Totals	183						

<u>Stream</u>	<u>Reach Surveyed</u>	<u># Live Adult Coho</u>	<u># Coho Redds</u>	<u>Retrievable (d) Chin. Carcasses</u>	<u>Retrievable (d) Coho Carcasses</u>
Grider	Bark Shanty - No Name	0	0	3	0
Grider	Bark Shanty - No Name	0	0	0	0
Grider	Bark Shanty - No Name	0	0	1	0
	Totals			13	
MS Salmon R	Wooley - mouth	0	0	0	0
MS Salmon R	Wooley - mouth	0	0	1	0
MS Salmon R	Wooley - mouth	0	0	3	0
MS Salmon R	Wooley - mouth	0	0	0	0
MS Salmon R	Grants - Wooley	0	0	0	0
MS Salmon R	Grants - Wooley	0	0	1	0
MS Salmon R	Grants - Wooley	0	0	1	0
MS Salmon R	Nordheimer - Grants	0	0	0	0
MS Salmon R	Nordheimer - Grants	0	0	10	0
MS Salmon R	Nordheimer - Grants	0	0	6	0
MS Salmon R	Nordheimer - Grants	0	0	8	0
	Totals			30	

<u>Stream</u>	<u>Comments</u>
Grider	walked
Grider	walked
Grider	
	walked
MS Salmon R	1 steelhead carcass. Poor Visibility
MS Salmon R	
MS Salmon R	1 otter underwater above brannon bar. Only snorkled a few pools below merrill cr.
MS Salmon R	two steelhead carcasses too deep to retrieve. Poor visibility
MS Salmon R	14 adult steelhead were seen at head of wooley pool.
MS Salmon R	
MS Salmon R	2 unretrievable carcasses in reach 1
MS Salmon R	
MS Salmon R	juv. Chinook seen in nord. To lewis stretch.
MS Salmon R	2 steelhead carcasses were extremely fresh, probably catch and release mortality.
MS Salmon R	Many carcasses were unretrievable. Visibility limited to 10-12 ft. max.

<u>Stream</u>	<u>Reach Surveyed</u>	<u>Date Surveyed</u>	<u>Surveyors & Affiliation</u>	<u>Survey Method</u>
Wooley	Gates - mouth	11/6/2003	Alan Crockett, Jon Grunbaum: USFS	Snorkel
Wooley	Bridge - Gates	11/6/2003	Steve Robinson-USFS; Nancy Bailey-CDF&G	Snorkel
Wooley	Hancock - Bridge	not surveyed.		
Wooley	North Fork - Hancock	11/6/2003	Carl Reese, Eric Ojerholm; CDF&G	Snorkel
Thompson	bridge to mouth	10/24/2003	Jon Grunbaum-USFS	Snorkel
Thompson	2.0 Mi. - mouth	11/14/2003	Alan Crockett- USFS	Snorkel
Thompson	bridge to mouth	12/9/2003	Jon Grunbaum-USFS	Snorkel
Independence	lower 1/2 mile	10/16/2002	Alan Crockett- USFS	Walk
	a = jacks or half-pounders lumped in with adult Chinook or adult steelhead, respectively			
	b = Chinook between 10 and 15 inches long (FL) were classified as jacks or grilse; over 15 inches long (FL) were classified as adults.			
	c = steelhead between 14 and 18 inches long (FL) were classified as half-pounders; over 18 inches long (FL) were classified as adults.			
	d = only includes the number of observed carcasses from which scale samples were collected			

<u>Stream</u>	<u>Reach Surveyed</u>	<u># Chin Redds</u>	<u># Live Adult Chin.</u>	<u># Live Jack Chin</u>	<u>Total # Chin</u>	<u># Live Adult Steelhead</u>	<u># Live 1/2 pounders</u>	<u>Total # Steelhead</u>
Wooley	Gates - mouth	43	38	0	38	a	a	33
Wooley	Bridge - Gates	24	2	0	2	a	a	76
Wooley	Hancock - Bridge	---	---	---	---	---	---	---
Wooley	North Fork - Hancock	3	0	0	0	a	a	4
	Totals	70						
Thompson	bridge to mouth	5	9	0	9	a	a	0
Thompson	2.0 Mi. - mouth	46	27	0	27	a	a	1
Thompson	bridge to mouth	2	0	0	0	0	0	0
	Totals	51						
Independence	lower 1/2 mile	0	0	0	0	a	a	0
	Totals	0						
a = jacks or half-pounders lumped in with adult Chinook or adult steelhead, respectively								
b = Chinook between 10 and 15 inches long (FL) were classified as jacks or grilse; over 15 inches long (FL) were classified as adults.								
c = steelhead between 14 and 18 inches long (FL) were classified as half-pounders; over 18 inches long (FL) were classified as adults.								
d = only includes the number of observed carcasses from which scale samples were collected								

<u>Stream</u>	<u>Reach Surveyed</u>	<u># Live Adult Coho</u>	<u># Coho Redds</u>	<u>Retrievable (d) Chin. Carcasses</u>	<u>Retrievable (d) Coho Carcasses</u>
Wooley	Gates - mouth	0	0	4	0
Wooley	Bridge - Gates	0	0	1	0
Wooley	Hancock - Bridge	---	---	---	---
Wooley	North Fork - Hancock	0	0	0	0
	Totals			5	
Thompson	bridge to mouth	0	0	0	0
Thompson	2.0 Mi. - mouth	0	0	3	0
Thompson	bridge to mouth	0	0	0	0
	Totals			3	
Independence	lower 1/2 mile	0	0	0	0
				0	
	Totals				

<u>Stream</u>	<u>Comments</u>
Wooley	
Wooley	smelled 1 carcass in reach #1. 2 carcasses unretrievable.
Wooley	
Wooley	
Thompson	
Thompson	Carcass #2 had bear slash marks.
Thompson	Flows had come up during Dec 3 - 6 storm but 2003 flagged redds were still obvious, so this redd count is accurate + not missing or mis-ID ing redds.
Independence	mouth is extremely spread out might be difficult Chinook passage

Comments (these did not print to PDF – represented by ##### in PDF file)

Item 13: Clear Creek /Slippery RA – Mouth/12/11/2003

Medium flow. Good water clarity. 10% or less of steelhead were 1/2 pounders. *=pre-existing (preflagged) redds that were flattened out by high flows Dec 3-6, 2003 storm. No redds appeared to have been constructed since the storm even though area of useable spawning habitat has been greatly increased over pre-storm due to higher sustained flows. Additional redds, if any, that may have been constructed since last survey but before the Dec 3-6 storm would have been difficult to identify.

Item 19: Dillon Creek/Mill Ck –mouth/12/10/2003

Medium flow. **Good water clarity but a lot of water to cover for one diver - probably missed a few fish fish. 10% or less of steelhead were half-pounders.. * = pre-existing (pre-flagged) redds were semi-flattened out by high flows of Dec. 3 - 6, 2003 storm. Only one redd appeared to have been constructed since the storm. Additional redds, if any, that may have been constructed since last survey but before the Dec 3 - 6 storm could not be positively ID'd .