

LINDSAY CREEK WATERSHED SURVEYS AND OBSERVATIONS TABLE Attachment 1B

Lindsay Creek Project: Watershed and Community Based Land Use Assessment

Sub-Watershed	Survey Number	Creek	Surveyor	Date	Survey Type	Fish Present	Redds Present	Observations
Grassy Creek (A)	25	Grassy	DFG	12/11/51	Large Woody Debris LWD survey	5 adult coho (3 male, 2 female), 4 grilse coho	yes	LWD survey conducted 300 yards below where Fieldbrook Rd crosses Grassy Ck u/s to Fieldbrook Rd. Observed many redds, especially above log jams in 200' yard section. One small jam looked impassable at the current water level of 4 cfs, but observed coho above it.
Grassy Creek (A)	24	Grassy	DFG	7/9/58	stream survey	85 salmonids	no	
Grassy Creek (A)	23	Grassy	DFG	1/19/61	stream survey	salmonids	no	e-fished to determine possible end of anadromy; approximately 10,350' of stream accessible to anadromous fish above the marsh. Substrate mainly gravel with some sand and silt mixed in. Less than 5% of substrate is clay. 5,240 cubic feet of logs and misc. debris observed. Removal of log jams may result in a loss of shelter.
Grassy Creek (A)	26	Grassy	DFG	6/23/72	stream survey	coho fry and fingerlings	no	surveyed from the mouth of Grassy Ck u/s 2 mi.; possible end of anadromy at natural waterfall, which is about 800 yards above Fieldbrook Rd. From mouth u/s 2 mi. substrate composed of rubble and gravel. Beyond 2 mi. the substrate changes to boulders. 15% potential spawning area.
Grassy Creek (A)	22	Grassy	DFG	12/1/00	e-fish	salmonids	no	e-fished to determine end of anadromy; map location is not accurate
Grassy Creek (A)	11	Grassy	Green Diamond	9/10/99	Presence/Absence P/A	none	no	dry creek, looking for coho distribution
Squaw Creek (B)	32	Squaw	DFG	1/19/61	stream survey	salmonids	no	survey conducted from mouth of Squaw Ck to a little u/s of Fieldbrook Rd at map #32. Possible end of anadromy. Stream bottom predominantly gravel w/ sand and silt mixed in. Shelter is adequate for fry, but lacking for large salmon. Overhanging vegetation is along most of stream's length. 3,600 lineal feet of riffle area with spawning potential. Low flows in summer. Two major log jams exist. Total of 8,400 cubic feet of logs & misc. debris.
Squaw Creek (B)	37	Squaw	DFG	1/4/65	spawner survey	6 coho carcasses (4 females, 2 males); 2 skeletons	no	survey from mouth of Squaw to Fieldbrook Rd. Over 23 7/8 in. ft. 3 females and 1 male. Under 23 7/8 in. ft. 1 female and 1 male. Appeared to be little damage due to 1964 flooding. Banks eroded slightly. Streambed predominantly gravel. Good spawning habitat.
Squaw Creek (B)	36	Squaw	DFG	6/23/72	stream survey	coho fry and fingerlings	no	Surveyed from mouth of Squaw to Fieldbrook Rd. to determine condition of habitat; 10% potential spawning area. Stream bottom composed of rubble and gravel. Observed 3 log jams. Flow estimated at 1.5 cfs.
Squaw Creek (B)	30	Squaw	DFG	1/15/87	spawner survey	1 chinook (jack), 2 steelhead	17 redds (no fish present, larger cobble used in some, may indicate chinook redds); 2 steelhead redds	
Squaw Creek (B)	15	Squaw	DFG	3/21/88 and 3/27/87	e-fish	15 yoy coho, 2 steelhead	no	e-fished 450' section; rearing habitat for 1+ coho limited, generally lacking diversity, pools, and woody debris; on 3/27/87 DFG stocked confluence of Squaw with mainstem with 5,460 coho
Squaw Creek (B)	31	Squaw	Jud Ellinwood (Humboldt Fishermen's Marketing Assoc's L.C. Enhancement Project)	11/30/83 3/12/84	stream survey	5 coho (2 males spawning, 3 females spawning), 4 chinook (1 male spawning, 1 unknown sex migrating, 2 unknown sex resting), 1 steelhead (1 male migrating), 1 unknown species resting, 2 salmon carcasses	no	d/s boundary of survey was location of Humboldt Fishermen's Marketing Association's incubation boxes. This is the first year that coho hatched in the HFMA's incubation boxes would be expected to start returning as adults.
Squaw Creek (B)	35	Squaw	Jud Ellinwood (Humboldt Fishermen's Marketing Assoc's L.C. Enhancement Project)	5/9/84	N/A	4000 late run Mad R. chinook eggs	no	May 8th the few remaining chinook fry in incubation boxes were released into Ck; survival from egg to swim-up fry was 95%
Anker Creek (C)	39	Anker	DFG	6/17/81	stream survey	salmonids	no	surveyed to determine value to anadromous fish; salmonids observed 400' u/s from mouth at railroad bridge; silty and slow moving water, but good spawning habitat due to abundance of loose gravel
Anker Creek (C)	41	North Fork Anker	DFG?	8/27/28/01	e-fish	salmonids	no	E-fished above and below NF Anker Ck culvert at Fieldbrook Rd. Captured salmonids and relocated outside of the project area
Anker Creek (C)	34	SF Anker	DFG	9/9/02	e-fish	7 2+ steelhead, 1 1+ steelhead, 14 yoy coho, 1 1+ cutthroat	no	e-fished d/s of SF Anker Ck culvert at Anker Rd prior to culvert replacement. Relocated captured fish to LC due to the lack of adequate stream flow/habitat in SF Anker Ck.
Anker Creek (C)	33	SF Anker	DFG, Inc.	8/27/01	e-fish	Upper Pool: 67 yoy coho, 23 yoy cutthroat (could not differentiate yoy cutthroat from steelhead with confidence), 0 1+ cutthroat; Lower Pool: 45 yoy coho, 6 yoy cutthroat (able to distinguish yoy cutthroat from steelhead with confidence except for 5 fish reported as cutthroat that were likely steelhead), 8 1+ cutthroat	no	e-fished above and below SF Anker Ck culvert at Fieldbrook Rd. Fine substrates present.
Anker Creek (C)	8	SF Anker	Green Diamond	9/10/99	P/A	none	no	dry creek, looking for coho distribution
Anker Creek (C)	9	SF Anker	Green Diamond	2/22/02	P/A	cutthroat	no	end of fish
Anker Creek (C)	20	SF Anker	DFG	3/21/88	e-fish	2 yoy coho, 14 steelhead	no	e-fished 350' section; no 1+ coho collected; rearing habitat for 1+ coho limited, lacking deep pools, with not much woody debris. Mainstem LC below Fieldbrook is a good candidate for yoy coho stocking.
Upper Main Stem Lindsay Creek (D)	13	Mainstem LC	Brian Michaels & DFG	2003 and 12/12/87	observation	coho, chinook	no	doublets coho can go much further b/c headwaters. Memo 12/12/87 in DFG file about 18 spawning Chinook at Crockett's Crossing on Franke property.
Upper Main Stem Lindsay Creek (D)	18	Mainstem LC	DFG	7/17/84	e-fish	9 cutthroat, 10 coho, 36 salmo unknown to species, 5 steelhead, and stickleback	no	North Railroad Grade Culvert washed out Nov. 98. DFG Final Report for culvert replacement near this site (where Murray Rd crosses LC) says that approx. 1.5 sq.mi. of drainage area and 13,000' of potential salmonid habitat u/s => about .5 mi u/s is #12. Alders, maples, berries present. 20% canopy. Several large redwood stumps in stream. Fine sediments present.
Upper Main Stem Lindsay Creek (D)	38	Mainstem LC	Dr. Walt Duffy	3/10/98	e-fish	15 coho, 3 cutthroat, 2 sticklebacks,	no	d/s from Old Railroad Grade culvert
Upper Main Stem Lindsay Creek (D)	40	Mainstem LC	DFG, Inc.	9/7/01 and 9/8/01	e-fish	salmonids	no	e-fished u/s and d/s of culvert prior to culvert replacement.
Mather Creek (E)	14	Mather	Brian Michaels	1997	observation	1 adult coho, cutthroat	no	Dam had blown out prior to observation; John Schwabe rebuilt the dam and then it blew out again. There was a large pond beside the dam.
Mather Creek (E)	7	Mather	Brian Michaels	2001	observation	coho	no	cutthroat probably exist u/s
Mather Creek (E)	29	Mather	DFG	6/26/72	stream survey	coho	no	survey conducted to determine condition of habitat; coho observed 150 yards from mouth of Mather Ck. Mouth u/s 150 yds stream covered in dense vegetation. Continuing u/s streambed is silty.
Mather Creek (E)	27	Mather	DFG	12/25/02	observation	4 coho (3 adult, 1 grilse); 2 salmonids	yes	streamside observation at newly installed culvert; 2 salmonids not ID'd to species were excavating redds inside culvert
Mather Creek (E)	28	Mather	DFG, Inc.	9/27/02	e-fish	6 steelhead (3=0+, 2=1+, 1=2+); 4 coho (4=0+); 3 cutthroat (2=0+, 1=1+)	no	e-fished above and below Mather Ck culvert at Murray Rd. prior to culvert replacement. Found all fish below culvert. Deep layers of silt are substrate of pool u/s of culvert. Silt and small cobble are substrate of pool d/s of culvert.
Van Eck Creek (F)	3	West Trib	Green Diamond	7/26/01	P/A	cutthroat	no	end of fish
Van Eck Creek (F)	4	West Trib	Green Diamond	7/26/01	P/A	cutthroat	no	end of fish
Van Eck Creek (F)	6	West Trib	Green Diamond	7/26/01	P/A	cutthroat	no	
Van Eck Creek (F)	5	West Trib	Green Diamond	7/00/03	P/A	none	no	
Lower Main Stem Lindsay Creek (H)	21	Mainstem LC	DFG	1/4/65	spot check	1 salmon skeleton	no	spot checks conducted where LC crosses road. This spot check took place near confluence of Squaw Ck.; map location is not accurate.
Lower Main Stem Lindsay Creek (H)	16	Mainstem LC	DFG	3/21/88	e-fish	4 1+ coho, 1 steelhead	no	spot checked 500' with e-fisher; no yoy coho observed; rearing habitat for 1+ coho good, with deep pools, undercut banks, and woody debris; appeared to be underutilized
Lower Main Stem Lindsay Creek (H)	17	Mainstem LC	DFG	10/13/93	e-fish	23 coho (2 largest were 0+); 2 cutthroat, 3 rainbow trout, stickleback, sculpin	no	e-fished 125' section about .25 mi u/s of Squaw Ck. Rearing habitat for 1+ coho was good, w/ deep pools, undercut banks, and large woody debris.
Lower Main Stem Lindsay Creek (H)	35	Squaw	Jud Ellinwood (Humboldt Fishermen's Marketing Assoc's L.C. Enhancement Project)	5/9/84	N/A	4000 late run Mad R. chinook eggs	no	May 8th the few remaining chinook fry in incubation boxes were released into Ck; survival from egg to swim-up fry was 95%
Lower Main Stem Lindsay Creek (H)	1	Trib to MS	Green Diamond	5/28/02	P/A	cutthroat	no	end of fish, class I
Lower Main Stem Lindsay Creek (H)	2	West Trib	Green Diamond	6/6/02	P/A	none	no	class II
Essex (I)	19	Mainstem LC	DFG	10/13/93	e-fish	non-salmonids only	no	e-fished 50' from Hwy 299 u/s until pool depth was too deep. Few overhanging alder branches and instream rip-rap provided some instream cover.
Essex (I)	12	Trib to MS	Green Diamond	3/20/02	P/A	none	no	no fish d/s end of culvert