

ODFW AQUATIC INVENTORY PROJECT
OREGON PLAN FOR SALMON & WATERSHEDS
STREAM RESTORATION HABITAT REPORT

STREAM: Jack Creek (SC-36)
BASIN: Chetco River
SURVEY TYPE: Pre-Tx
DATE: February 16, 2000
SURVEY CREW: Brent Crowe, Clark Watly
REPORT PREPARED BY: Paul Jacobsen
BASIN AREA: 12.2 km²
USGS MAPS: Mt Emily
ECOREGION: Coast Range California Extension

GENERAL DESCRIPTION:

The Jack Creek habitat survey extended 1,068 meters. The channel was constrained by terraces in a broad valley floor. The average valley width index was 2.7 (range: 2.3 – 3.5). Land use for the reach was large (30-50 cm dbh) and second growth (15-30 cm dbh) trees. The average unit gradient was 1.0 percent. Riffles (45%) and scour pools (40%) dominated stream habitat. Gravel (54%) and cobble (29%) dominated stream substrate. Wood volume was low at 15.0 m³/100m.

COMMENTS:

There were no potential barriers to upstream fish migration in the surveyed length.

The crew noted several habitat structures during the survey.

OREGON DEPARTMENT OF FISH AND WILDLIFE

JACK CREEK PRE-TX (SC-36)

HABITAT INVENTORY

Report Date: 11/12/03

Survey Date:

2/16/00

REACH 1

T41S-R13W-11NE

REACH 1

HABITAT DETAIL

Habitat Type	Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Total Area (m ²)	Large Boulders (#>0.5m)	Substrate Percent Wetted Area						
							S/O	Snd	Grvl	Cbl	Bldr	Bdrk	
CASCADE/BEDROCK	1	10	0.8	0.30	8	0	0	0	0	30	70	0	
CASCADE/BOULDERS	3	42	0.9	0.20	54	0	0	4	16	26	54	0	
POOL-ALCOVE	4	73	2.2	0.21	170	0	0	10	60	21	9	0	
POOL-BACKWATER	2	4	5.5	0.46	23	0	0	21	59	14	6	0	
POOL-ISOLATED	2	19	1.3	0.31	22	0	3	15	83	0	0	0	
POOL-LATERAL SCOUR	17	303	8.2	1.22	2,592	0	0	4	64	29	3	0	
POOL-STRAIGHT SCOUR	8	100	6.9	1.07	702	0	0	4	50	29	17	0	
RAPID/BOULDERS	5	158	6.3	0.33	967	0	0	6	40	44	10	0	
RIFFLE	17	518	7.1	0.39	3,535	0	0	0	57	31	12	0	
RIFFLE W/ POCKETS	1	31	5.8	0.50	177	0	0	0	20	80	0	0	
Total:	60	1,257	6.3	0.69	8,250	0	Avg	0	4	54	30	12	0

HABITAT SUMMARY

Habitat Group	Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Wetted Area		Large Boulders	
					(m ²)	Percent	Number	(# / 100m ²)
Dammed & BW Pools	8	96	2.8	0.30	215	2.61%	0	0.0
Scour Pools	25	402	7.8	1.18	3,294	39.93%	0	0.0
Glides	0	0			0	0.00%	0	0.0
Riffles	18	548	7.0	0.40	3,712	45.00%	0	0.0
Rapids	5	158	6.3	0.33	967	11.72%	0	0.0
Cascades	4	52	0.9	0.23	62	0.75%	0	0.0
Step/Falls	0	0			0	0.00%	0	0.0
Dry	0	0			0	0.00%	0	0.0
Culverts	0	0			0	0.00%	0	0.0

POOL SUMMARY

	Total	# / Km
All Pools:	33	30.9
Pools >=1m deep:	20	18.7
Complex pools (LWD pieces>=3):	9	8.4
Pool frequency (channel widths/pool):	3.5	
Residual pool depth (avg):	0.78	

STREAM SUMMARY

JACK CREEK PRE-TX (SC-36)

Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Total Area (m ²)	Substrate						Large Boulders (#>0.5m)
					Percent Wetted Area						
					S/O	Snd	Grvl	Cbl	Bldr	Bdrk	
60	1,257	6.3	0.69	8,250	0	4	54	30	12	0	

Habitat Group	Wetted Area	
	(m ²)	Percent
Dammed & BW Pools	215	2.61%
Scour Pools	3,294	39.93%
Glides	0	0.00%
Riffles	3,712	45.00%
Rapids	967	11.72%
Cascades	62	0.75%
Step/Falls	0	0.00%
Dry	0	0.00%
Culverts	0	0.00%

Comment Summary

Restoration Monitoring Sites 2003

MONITORING AREA: 5-SC SITE ID: 36 JACK CREEK PRE-TX (SC-36)

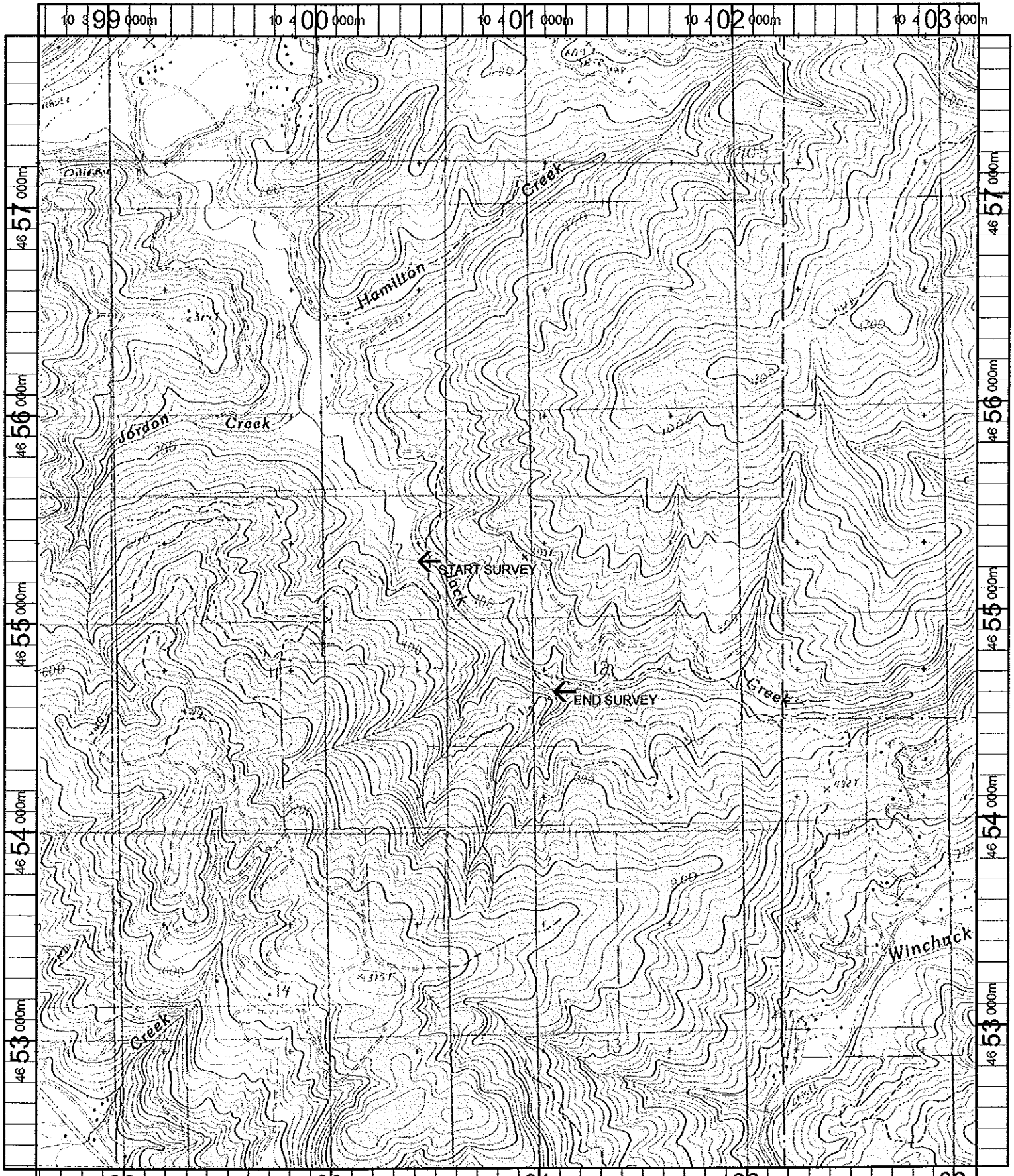
UNIT#	TYPE	CHAN	DIST. (m)	COMMENTS	NOTE ESTIMATOR	NOTE NUMERATOR
1	LP	00	11.1		VWI=2.5	
4	RB	00	69.1	HS	HAB LOGS	
6	LP	00	95.6	HS	HAB LOGS	
7	LP	00	105.4	HS	HAB LOGS	
9	LP	00	129.4	HS	HAB LOG	
10	RI	00	153.8	BC, CS/	RAIL CAR BRIDGE SMITH	
11	LP	00	168.2	SS/		
15	LP	00	257.8		STEELHEAD,+REDD	
16	RB	01	298.1	HS	HAB LOGS	
18	BW	10	298.1		VWI=2.5	
19	LP	01	340.6	HS, \TJ	HAB LOGS	
24	LP	01	406.1	HS	HAB LOGS	
35	LP	00	543.6		VWI= 2.6	
39	RI	01	614.4	TJ\		
41	SP	01	637.2	/TJ		
43	SP	00	648.1	SS\		
48	LP	00	761.6		VWI= 3.5, STEELHEAD	
52	SP	00	937.4	HS	HAB LOG	
54	LP	00	960.3	HS	HAB LOG	
56	LP	00	988.3	HS	HAB LOGS	
57	RI	00	1038.3	HS	HAB LOG, STEELHEAD	

Comment Summary

Restoration Monitoring Sites 2003

MONITORING AREA: 5-SC SITE ID: 36 JACK CREEK PRE-TX (SC-36)

<u>UNIT#</u>	<u>TYPE</u>	<u>CHAN</u>	<u>DIST. (m)</u>	<u>COMMENTS</u>	<u>NOTE ESTIMATOR</u>	<u>NOTE NUMERATOR</u>
59	SP	01	1068.3	VTJ		
60	CR	11	1068.3		VWI=2.3	



Name: MT EMILY
 Date: 10/16/100
 Scale: 1 inch equals 2000 feet

Location: 10 400784 E 4655057 N
 Caption: JACK CREEK RESTORATION SITE - CHETCO BASIN