

REACH

T41S-R13W-S02NW

REACH

Valley and Channel Summary

Valley Characteristics (Percent Reach Length)

<u>Narrow Valley Floor</u>		<u>Broad Valley Floor</u>	
Steep V-shape	0%	Constraining Terraces	100%
Moderate V-shape	0%	Multiple Terraces	0%
Open V-shape	0%	Wide Floodplain	0%
Valley Width Index	8.5	VWI Range:	4 - 10

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	0%	Single Channel	0%
Bedrock	0%	Multiple Channel	0%
Terrace	100%	Braided Channel	0%
Alt. Terrace/Hill	0%		
Landuse	0%		

Channel Characteristics

<u>Type</u>	<u>Length (m)</u>	<u>Area (m2)</u>	<u>Dry Units</u>
Primary	522	4,866	0
Secondary	81	480	0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	8.6	Width	12.4	24.6	21.1
Depth	0.78	Height	0.6	1.2	2.1
		W:D ratio	21.3	Entrenchment	2.0

Stream Flow Type:	MF	Water temp (C):	8.5 - 8.5
Avg. Unit Gradient:	0.5%	Habitat Units/100m:	5.0

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	LT	
Riparian Vegetation:	S	G

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:		Reach avg:
Undercut Banks:		Range: -

Large Wood Debris

	<u>Total</u>	<u>Total / 100m</u>
All pieces (>=3m x 0.15m):	34	6.5
Volume (m ³):	21	4.0
Key pieces (>=10m x 0.60m):	2	0.4

OREGON DEPARTMENT OF FISH AND WILDLIFE

JACK CREEK PRE-TX (S-188)

HABITAT INVENTORY

Report Date: 5/6/03

Survey Date:

2/25/03

REACH		T41S-R13W-S02NW					REACH						
Habitat Type	Number Units	HABITAT DETAIL					Substrate						
		Total	Avg	Avg	Total	Large	Percent Wetted Area						
		Length (m)	Width (m)	Depth (m)	Area (m ²)	Boulders (#>0.5m)	S/O	Snd	Grvl	Cbl	Bldr	Bdrk	
GLIDE	1	25	10.3	0.60	258	0	5	35	60	0	0	0	
POOL-ALCOVE	1	80	6.0	0.40	480	0	21	58	21	0	0	0	
POOL-DAMMED	1	33	10.0	2.00	330	0	25	25	50	0	0	0	
POOL-LATERAL SCOUR	9	213	8.6	1.18	1,896	0	5	18	63	9	5	0	
POOL-PLUNGE	1	32	14.0	2.00	442	0	5	15	65	10	5	0	
POOL-STRAIGHT SCOUR	2	69	9.6	1.00	669	0	13	38	33	18	0	0	
RIFFLE	7	137	8.4	0.31	1,158	0	5	16	74	4	2	0	
STEP/COBBLE	1	7	6.5	0.15	44	0	0	5	95	0	0	0	
STEP/STRUCTURE	3	7	7.0	0.07	69	0	9	25	46	18	2	0	
Total:	26	603	8.6	0.78	5,346	0	Avg	7	22	61	8	3	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	2	113	8.0	1.20	810	15.15%	0	0.0
Scour Pools	12	314	9.2	1.22	3,008	56.27%	0	0.0
Glides	1	25	10.3	0.60	258	4.82%	0	0.0
Riffles	7	137	8.4	0.31	1,158	21.67%	0	0.0
Rapids	0	0			0	0.00%	0	0.0
Cascades	0	0			0	0.00%	0	0.0
Step/Falls	4	14	6.9	0.09	112	2.10%	0	0.0
Dry	0	0			0	0.00%	0	0.0
Culverts	0	0			0	0.00%	0	0.0

POOL SUMMARY		
	<u>Total</u>	<u># / Km</u>
All Pools:	14	26.8
Pools >=1m deep:	11	21.1
Complex pools (LWD pieces>=3):	4	7.7
Pool frequency (channel widths/pool):	3.5	
Residual pool depth (avg):	0.92	

STREAM SUMMARY

JACK CREEK PRE-TX (S-188)

Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Total Area (m ²)	Substrate Percent Wetted Area						Large Boulders (>0.5m)
					S/O	Snd	Grvl	Cbl	Bldr	Bdrk	
26	603	8.6	0.78	5,346	7	22	61	8	3	0	

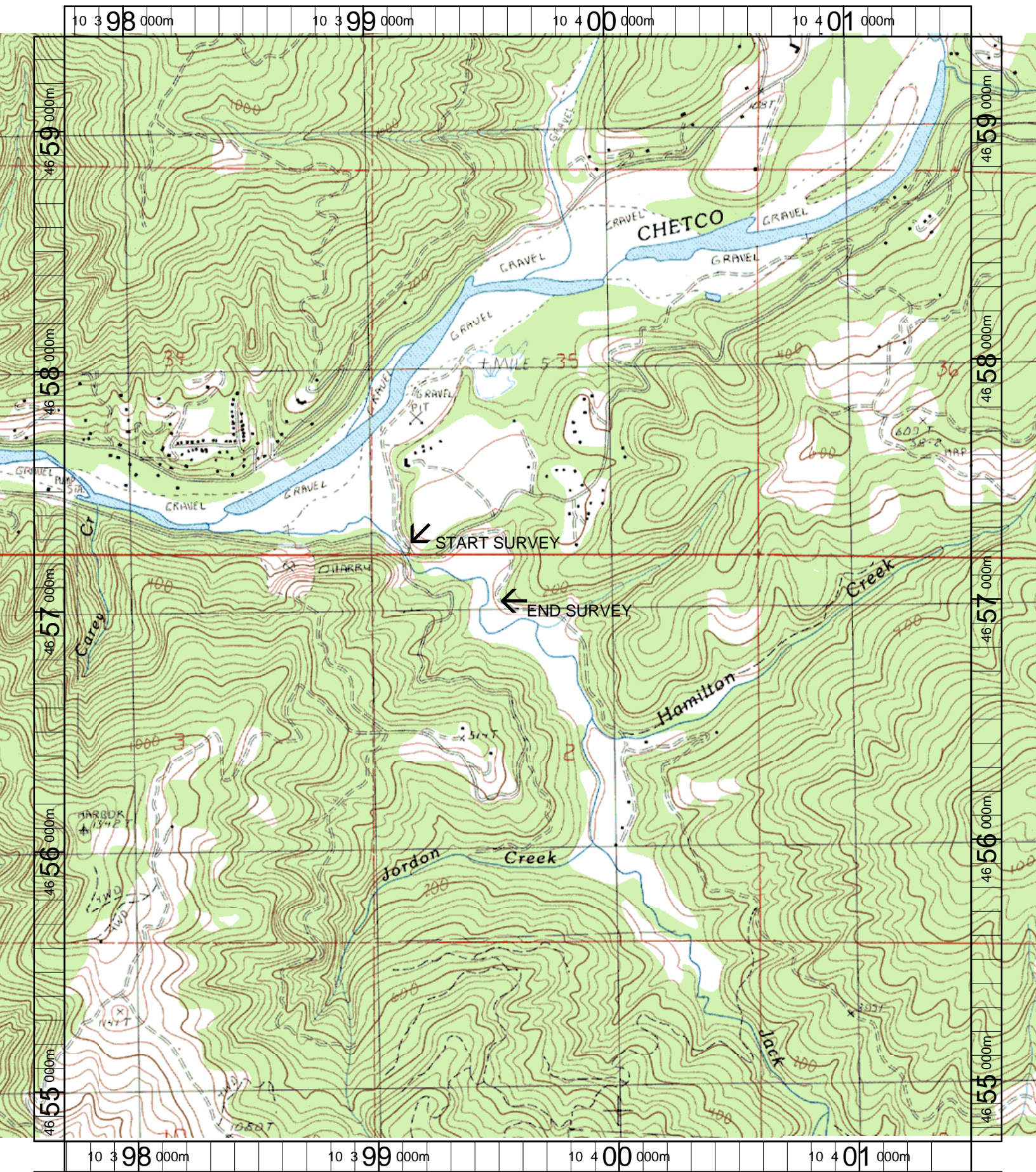
Habitat Group	Wetted Area	
	(m ²)	Percent
Dammed & BW Pools	810	15.15%
Scour Pools	3,008	56.27%
Glides	258	4.82%
Riffles	1,158	21.67%
Rapids	0	0.00%
Cascades	0	0.00%
Step/Falls	112	2.10%
Dry	0	0.00%
Culverts	0	0.00%

Comment Summary

Restoration Monitoring Sites 2003

MONITORING AREA: 5-SC SITE ID: 188 JACK CREEK PRE-TX (S-188)

UNIT#	TYPE	CHAN	DIST. (m)	COMMENTS	NOTE ESTIMATOR	NOTE NUMERATOR
2	RI	00	43.4		HS, 2 CABLED LOGS	
3	RI	01	62.2	/TJ		
4	SS	11	62.2	/CE	H=2.0M, ORANGE FLAGS	
5	LP	00	79.1	/CS	BLDRS	
6	RI	00	93.1		/OLD CHNL, REDD	
7	PP	00	124.7	BV	CABLED WEIR	
8	SS	00	130.3		H=1.5, EST, MANMADE D	
9	DP	00	163.3	BV	STICKS, DEPTH EST	
10	GL	01	188.3	WL	NW SAL. EGGS	
13	RI	00	257.3	FC	GOLFBALLS	
14	LP	00	287.7	BC, DJ	FOOTBRIDGE, MUDDY EX	
15	LP	00	310.3	/CS	BOULDERS	
16	LP	00	337.8	BV	STICKS	
17	LP	00	371.6		U14-ENTERING	
18	RI	00	396.6	CS/	BLDRS, GOLF COURSE	
20	LP	00	435.7		U18=0399477/4652117	
21	SS	00	436.4	HS	V-SHAPED LOGS WITH BL	
23	LP	00	488.4	CS/	BLDRS	
26	SC	00	522		EOS, T=9C	



Name: MT EMILY
 Date: 6/11/2003
 Scale: 1 inch equals 1666 feet

Location: 10 399607 E 4657072 N
 Caption: JACK CREEK RESTORATION SITE - CHETCO BASIN