

REACH 1

T15S-R10W-S12SE

REACH 1

**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	4.0	VWI Range:	3 - 4.5

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	611	3,476	0
Secondary	76	177	1

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	5.1	Width	11.1	12.1	13.4
Depth	0.40	Height	0.4	0.9	1.2
		W:D ratio	25.8	Entrenchment	1.1
Stream Flow Type:	LF	Water temp (C): 16.5 - 16.5			
Avg. Unit Gradient:	0.4%	Habitat Units/100m: 5.7			

**Riparian, Bank, and Wood Summary**

	<u>Primary</u>	<u>Secondary</u>
Land Use:	AG	
Riparian Vegetation:	D30	P

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:	7%	Reach avg: 81%
Undercut Banks:	9%	Range: 39 - 100

Large Wood Debris

	<u>Total</u>	<u>Total / 100m</u>
All pieces (>=3m x 0.15m):	62	10.2
Volume (m <sup>3</sup> ):	48	7.9
Key pieces (>=10m x 0.60m):	2	0.3

OREGON DEPARTMENT OF FISH AND WILDLIFE

CRAB CREEK PRE-TX (MC-20)

HABITAT INVENTORY

Report Date: 3/17/03

Survey Date:

7/2/02

REACH 1		T15S-R10W-S12SE					REACH 1					
HABITAT DETAIL												
Habitat Type	Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Total Area (m <sup>2</sup> )	Large Boulders (#>0.5m)	Substrate Percent Wetted Area					
							S/O	Snd	Grvl	Cbl	Bldr	Bdrk
DRY CHANNEL	1	42	2.0	0.00	85	0	10	80	10	0	0	0
GLIDE	1	24	6.2	0.30	151	0	5	55	25	5	0	10
POOL-BACKWATER	3	24	2.8	0.43	75	0	12	36	49	3	0	0
POOL-BEAVER DAM	1	28	5.7	0.80	158	0	10	25	40	0	0	25
POOL-ISOLATED	1	10	1.7	0.45	17	0	60	30	10	0	0	0
POOL-LATERAL SCOUR	14	326	5.5	0.60	1,850	0	15	48	27	3	0	7
POOL-STRAIGHT SCOUR	2	62	6.5	0.65	398	0	16	50	22	5	0	7
RIFFLE	9	163	6.0	0.14	890	0	2	17	81	1	0	0
STEP/BEAVER DAM	1	0	5.7	0.05	2	0	30	30	10	0	0	30
STEP/COBBLE	2	8	3.2	0.08	27	0	0	0	90	10	0	0
<b>Total:</b>	<b>35</b>	<b>687</b>	<b>5.1</b>	<b>0.40</b>	<b>3,653</b>	<b>0</b>	<b>Avg 12</b>	<b>36</b>	<b>45</b>	<b>3</b>	<b>0</b>	<b>5</b>

HABITAT SUMMARY								
Habitat Group	Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Wetted Area		Large Boulders	
					(m <sup>2</sup> )	Percent	Number	(# / 100m <sup>2</sup> )
Dammed & BW Pools	5	62	3.2	0.51	251	6.86%	0	0.0
Scour Pools	16	388	5.6	0.60	2,248	61.54%	0	0.0
Glides	1	24	6.2	0.30	151	4.12%	0	0.0
Riffles	9	163	6.0	0.14	890	24.36%	0	0.0
Rapids	0	0			0	0.00%	0	0.0
Cascades	0	0			0	0.00%	0	0.0
Step/Falls	3	8	4.0	0.07	29	0.80%	0	0.0
Dry	1	42	2.0	0.00	85	2.32%	0	0.0
Culverts	0	0			0	0.00%	0	0.0

POOL SUMMARY		
	<u>Total</u>	<u># / Km</u>
All Pools:	21	34.4
Pools >=1m deep:	0	0.0
Complex pools (LWD pieces>=3):	8	13.1
Pool frequency (channel widths/pool):	2.9	
Residual pool depth (avg):	0.51	

**RIPARIAN ZONE VEGETATION SUMMARY**

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**Summary of Riparian Zone (0-30m) 3 transects**

Total hardwoods/1000	183
Total conifers/1000 ft	81
Total conifers >20" dbh/1000 ft	20
Total conifers >35" dbh/1000 ft	20

**Average number of trees in a 5-meter wide band**

Diameter class (cm)	Zone 1 0-10 meters		Zone 2 10 - 20 meters		Zone 3 20 - 30 meters		Zones 1-3 0-30 meters	
	Conifer	Hardwood	Conifer	Hardwood	Conifer	Hardwood	Conifer	Hardwood
3-15cm	0.7	0.0	0.3	0.0	0.0	1.0	1.0	1.0
15-30cm	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.3
30-50cm	0.0	0.3	0.0	0.7	0.0	0.7	0.0	1.7
50-90cm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
>90cm	0.0	0.0	0.0	0.0	0.3	0.0	0.3	0.0
Total/100m2	0.7	0.3	0.3	0.7	0.3	2.0	0.4	1.0

**Canopy closure and ground cover**

	Zone 1 0-10 meters		Zone 2 10 - 20 meters		Zone 3 20 - 30 meters	
	(%)		(%)		(%)	
Canopy closure	63		67		60	
Shrub cover	45		28		18	
Grass/forb cover	55		72		82	

**Predominant landform in each zone**

	Zone 1 0-10 meters		Zone 2 10 - 20 meters		Zone 3 20 - 30 meters	
	(%)		(%)		(%)	
Hillslope	33		67		83	
High terrace	67		33		17	
Low terrace	0		0		0	
Floodplain	0		0		0	
Wetland/meadow	0		0		0	
Stream channel	0		0		0	
Roadbed/Railroad	0		0		0	
Riprap	0		0		0	
Surface slope (%)	17		47		53	

**RIPARIAN ZONE VEGETATION**

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Unit	Side	Zone	Surface	Slope	Cover (percent)				Diameter class (cm)					Notes	
					Canopy	Shrub	Grass		3-15	15-30	30-50	50-90	>90		
9	LF	1	HT	10	40	100	0	Conifer							
								Hardwood							
9	LF	2	HS	35	100	60	40	Conifer							
								Hardwood							
9	LF	3	HS	35	50	10	90	Conifer						1	CEDAR
								Hardwood							
9	RT	1	HS	35	100	30	70	Conifer							
								Hardwood							
9	RT	2	HS	85	100	60	40	Conifer							
								Hardwood							
9	RT	3	HS	85	70	70	30	Conifer							
								Hardwood							
12	LF	1	HT	4	60	80	20	Conifer							
								Hardwood							
12	LF	2	HT	0	0	0	100	Conifer							
								Hardwood							
12	LF	3	HT	4	20	0	100	Conifer							
								Hardwood							
12	RT	1	HS	40	100	30	70	Conifer							ALDER
								Hardwood			1				
12	RT	2	HS	80	100	40	60	Conifer							
								Hardwood							
12	RT	3	HS	80	100	10	90	Conifer							ALDER
								Hardwood		1	1				
19	LF	1	HT	3	0	10	90	Conifer	2						SPRUCE/DFIR
								Hardwood							
19	LF	2	HT	0	0	0	100	Conifer	1						
								Hardwood							
19	LF	3	HS	35	20	0	100	Conifer							
								Hardwood	1						
19	RT	1	HT	9	80	20	80	Conifer							
								Hardwood							
19	RT	2	HS	80	100	10	90	Conifer							MAPLE
								Hardwood			2				
19	RT	3	HS	80	100	20	80	Conifer							MAPLE
								Hardwood	2		1				

# Comment Summary

## Oregon Plan Monitoring Sites 2002

MONITORING AREA: **2-MC**      SITE ID: **20**      **CRAB CREEK PRE-TX (MC-20)**

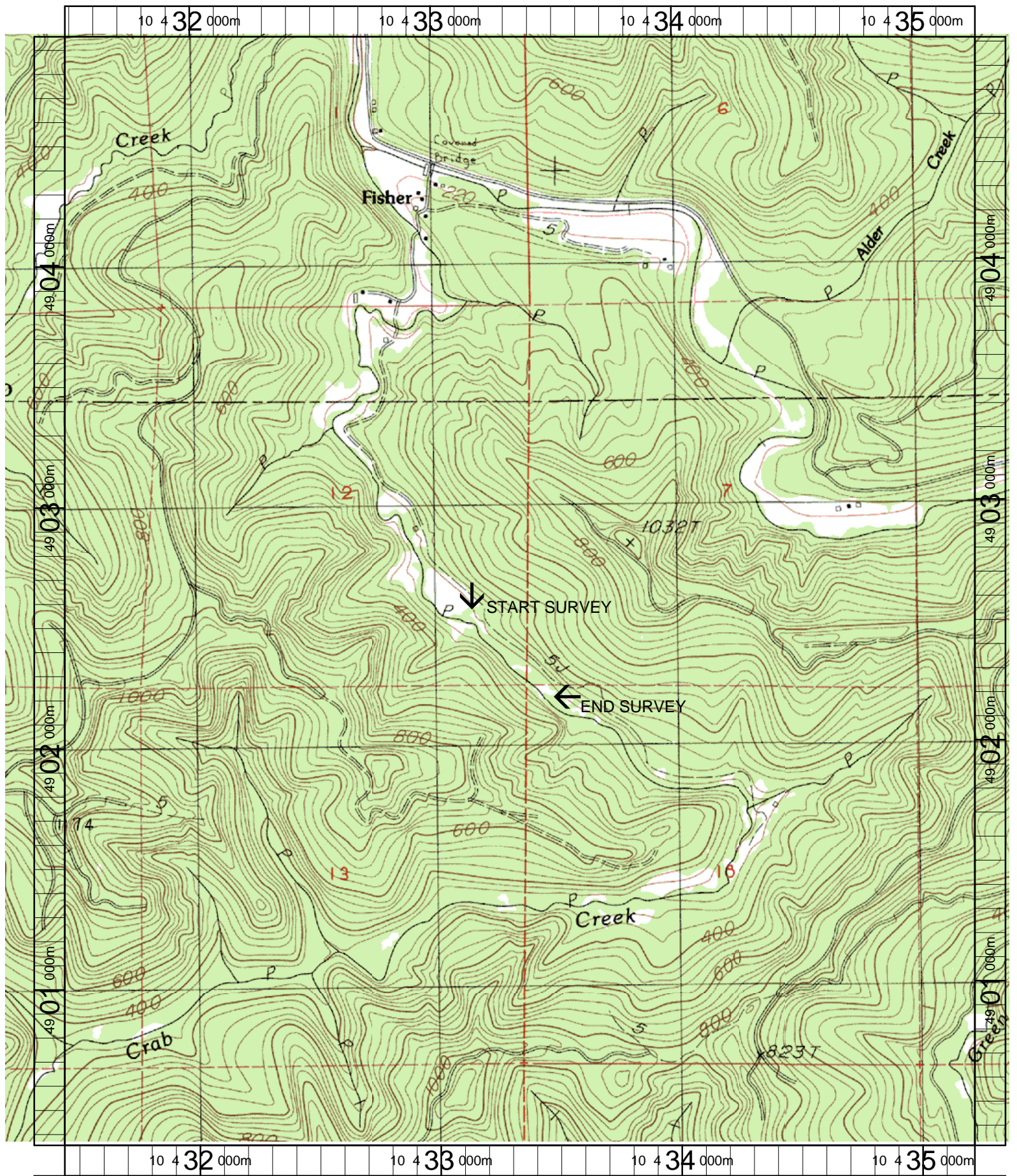
<u>UNIT#</u>	<u>TYPE</u>	<u>CHAN</u>	<u>DIST. (m)</u>	<u>COMMENTS</u>	<u>NOTE ESTIMATOR</u>	<u>NOTE NUMERATOR</u>
1	LP	00	17.9		START SURVEY, T=16C@	START SURVEY, T=16C@114
2	SP	01	51.2		COHO	FISH
3	BW	10	51.2	WL		RSN, FISH
5	LP	00	106.3	BV		FISH
9	RI	00	174.5		RIP#1	
10	LP	00	197			DACE
12	RI	00	254.5		RIP#2	
14	LP	00	302.7			CRAYFISH
15	LP	00	317.5			COHO
18	IP	10	363.9	WL		TREE FROG, RSN
19	RI	00	379.2		RIP#3	
21	SC	01	394.5	BV		OLD BEAVER DAM REMNAN
22	BW	10	394.5			FISH
23	LP	00	422.8			CRAYFISH
24	RI	00	431.8	BV,WL		RSN, COHO
25	LP	00	457.9	BV		DACE
26	SD	00	458.3	BV	H=.15	
27	BP	00	486.1	BV		COHO
28	RI	00	503.7	BV		
29	LP	01	533.7	BV		FISH
31	LP	01	558.8			FISH

# Comment Summary

## Oregon Plan Monitoring Sites 2002

MONITORING AREA: 2-MC      SITE ID: 20      CRAB CREEK PRE-TX (MC-20)

<u>UNIT#</u>	<u>TYPE</u>	<u>CHAN</u>	<u>DIST. (m)</u>	<u>COMMENTS</u>	<u>NOTE ESTIMATOR</u>	<u>NOTE NUMERATOR</u>
35	LP	00	610.7		END SURVEY	END SURVEY, FISH



Name: FIVE RIVERS  
 Date: 3/20/2003  
 Scale: 1 inch equals 1666 feet

Location: 10 433345 E 4902640 N  
 Caption: CRAB CREEK RESTORATION SITE - ALSEA BASIN