

REACH 1

T31S-R06W-S04NW

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	10.9	VWI Range:	2.4 - 26

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	492	1,282	0
Secondary	14	21	1

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	2.5	Width	5.8	8.6	11.8
Depth	0.23	Height	0.3	0.7	1.3
		W:D ratio	18.2	Entrenchment	1.5
Stream Flow Type:	LF	Water temp (C):		16.0 - 16.0	
Avg. Unit Gradient:	2.7%	Habitat Units/100m:		7.5	

**Riparian, Bank, and Wood Summary**

	<u>Primary</u>	<u>Secondary</u>
Land Use:	HG	YT
Riparian Vegetation:	D15	S

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:	16%	Reach avg: 72%
Undercut Banks:	10%	Range: 25 - 100

Large Wood Debris

	<u>Total</u>	<u>Total / 100m</u>
All pieces (>=3m x 0.15m):	13	2.6
Volume (m <sup>3</sup> ):	19	3.8
Key pieces (>=10m x 0.60m):	3	0.6

OREGON DEPARTMENT OF FISH AND WILDLIFE

CATCHING CREEK PRE-TX (UMP-127)

HABITAT INVENTORY

Report Date: 3/17/03

Survey Date:

6/25/02

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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 UNIT	1	5	1.5	0.00	8	0	0	50	50	0	0	0
GLIDE	4	59	2.7	0.17	184	1	1	20	44	23	12	0
POOL-LATERAL SCOUR	11	105	2.8	0.40	276	3	2	24	38	25	10	1
POOL-STRAIGHT SCOUR	3	47	2.9	0.56	136	1	3	15	45	23	10	3
RAPID/BOULDERS	2	41	3.3	0.09	137	5	0	8	30	28	35	0
RIFFLE	10	147	2.2	0.09	326	1	0	7	26	45	22	0
RIFFLE W/ POCKETS	6	104	2.3	0.11	236	6	0	13	24	40	23	0
<b>Total:</b>	<b>37</b>	<b>506</b>	<b>2.5</b>	<b>0.23</b>	<b>1,303</b>	<b>17</b>	<b>Avg 1</b>	<b>16</b>	<b>34</b>	<b>32</b>	<b>17</b>	<b>1</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	0	0			0	0.00%	0	0.0
Scour Pools	14	151	2.9	0.43	412	31.66%	4	1.0
Glides	4	59	2.7	0.17	184	14.12%	1	0.5
Riffles	16	251	2.2	0.10	562	43.12%	7	1.2
Rapids	2	41	3.3	0.09	137	10.52%	5	3.6
Cascades	0	0			0	0.00%	0	0.0
Step/Falls	0	0			0	0.00%	0	0.0
Dry	1	5	1.5	0.00	8	0.58%	0	0.0
Culverts	0	0			0	0.00%	0	0.0

POOL SUMMARY

	Total	# / Km
All Pools:	14	28.4
Pools >=1m deep:	0	0.0
Complex pools (LWD pieces>=3):	1	2.0
Pool frequency (channel widths/pool):	6.2	
Residual pool depth (avg):	0.36	

**RIPARIAN ZONE VEGETATION SUMMARY**

**REACH 1** **REACH 1**

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

Total hardwoods/1000	853
Total conifers/1000 ft	284
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		Zone 2		Zone 3		Zones 1-3	
	0-10 meters		10 - 20 meters		20 - 30 meters		0-30 meters	
	Conifer	Hardwood	Conifer	Hardwood	Conifer	Hardwood	Conifer	Hardwood
3-15cm	0.7	5.3	2.3	1.0	0.7	0.7	3.7	7.0
15-30cm	0.7	2.0	0.0	2.3	0.0	1.0	0.7	5.3
30-50cm	0.0	1.3	0.0	0.0	0.0	0.3	0.0	1.7
50-90cm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
>90cm	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0
Total/100m2	1.7	8.7	2.3	3.3	0.7	2.0	1.6	4.7

**Canopy closure and ground cover**

	Zone 1		Zone 2		Zone 3	
	0-10 meters		10 - 20 meters		20 - 30 meters	
	(%)		(%)		(%)	
Canopy closure	63		49		38	
Shrub cover	61		46		43	
Grass/forb cover	35		52		53	

**Predominant landform in each zone**

	Zone 1		Zone 2		Zone 3	
	0-10 meters		10 - 20 meters		20 - 30 meters	
	(%)		(%)		(%)	
Hillslope	17		50		50	
High terrace	67		50		33	
Low terrace	17		0		0	
Floodplain	0		0		0	
Wetland/meadow	0		0		0	
Stream channel	0		0		0	
Roadbed/Railroad	0		0		17	
Riprap	0		0		0	
Surface slope (%)	5		11		11	

**RIPARIAN ZONE VEGETATION**

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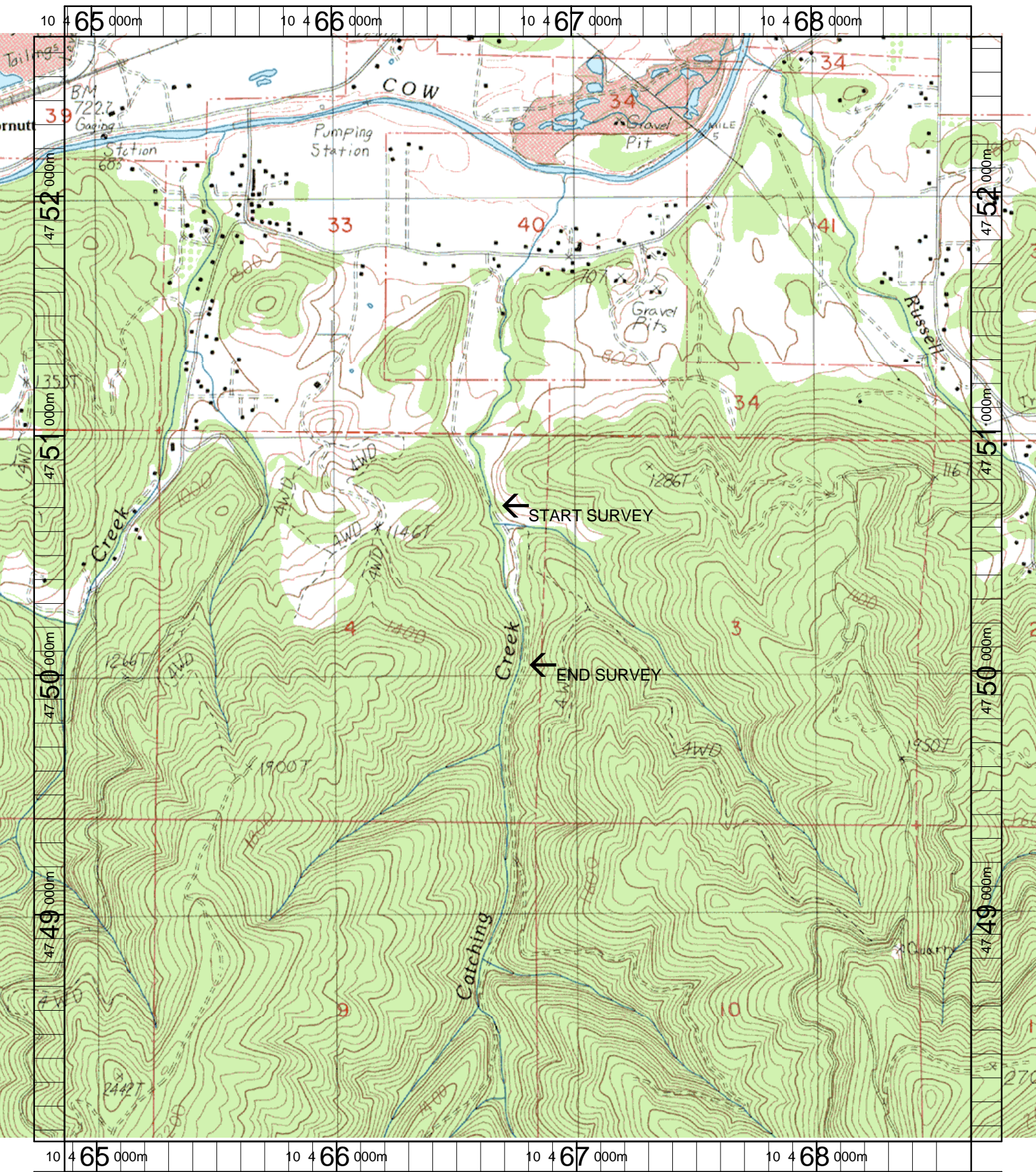
Unit	Side	Zone	Surface	Slope	Cover (percent)				Diameter class (cm)					Notes	
					Canopy	Shrub	Grass		3-15	15-30	30-50	50-90	>90		
7	LF	1	HT	0	30	30	70	Conifer							
								Hardwood	1		1				
7	LF	2	HS	10	40	30	70	Conifer							
								Hardwood		5					
7	LF	3	RB	3	40	20	40	Conifer							
								Hardwood			3				
7	RT	1	HT	5	100	10	75	Conifer							
								Hardwood	4	3	3				
7	RT	2	HS	25	90	10	75	Conifer	2						
								Hardwood							
7	RT	3	HS	30	60	80	20	Conifer							
								Hardwood							
19	LF	1	HT	0	15	100	0	Conifer							THICK
								Hardwood							BLACKBERRIE
19	LF	2	HT	0	0	10	90	Conifer							S
								Hardwood							
19	LF	3	HT	0	0	0	100	Conifer							
								Hardwood							
19	RT	1	HT	5	30	90	10	Conifer							
								Hardwood	3						
19	RT	2	HT	0	0	100	0	Conifer							
								Hardwood							
19	RT	3	HS	20	40	80	20	Conifer	1						
								Hardwood							
29	LF	1	LT	2	100	85	15	Conifer							
								Hardwood	4	3					
29	LF	2	HT	3	100	40	60	Conifer							
								Hardwood	2	2					
29	LF	3	HT	3	15	15	85	Conifer							
								Hardwood	1						
29	RT	1	HS	18	100	50	40	Conifer	2	2				1	
								Hardwood	4						
29	RT	2	HS	25	65	85	15	Conifer	5						
								Hardwood	1						
29	RT	3	HS	8	75	60	50	Conifer	1						
								Hardwood	1		1				

# Comment Summary

## Oregon Plan Monitoring Sites 2002

MONITORING AREA: **4-UMP**    SITE ID: **127**    CATCHING CREEK PRE-TX (UMP-127)

<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	RI	00	22	BC	START SURVEY ABOVE B	DOWNSTREAM END
2	LP	00	41		COHO	COHO
3	LP	01	54		DJ	
6	LP	00	87		COHO	
7	RP	00	112		RESTORATION SITE #5	
9	RP	00	141.5		CRAYFISH	
10	SP	00	158.5		COHO	
12	LP	00	181.4		RESTORATION SITE#6	
14	SP	00	211.9		COHO	
15	RI	01	235.9	TJ/	TJ/	
16	DU	11	235.9			TRIB UNIT
19	LP	00	262.9	WL	RSN, COHO, CRAYFISH	RSN
20	RI	00	287.9		T=16C@0915	
21	GL	00	298.9	WL		RSN
28	LP	00	348.9	WL	COHO	
29	RP	00	370.9		RIP#3	
34	RP	00	435.4		SITE #8	
36	RB	00	467.4		COHO FRY	
37	GL	00	492.4		REST. SITE #9	END OF S    END SURVEY



Name: NICKEL MT  
 Date: 3/21/2003  
 Scale: 1 inch equals 1666 feet

Location: 10 466762 E 4750355 N  
 Caption: CATCHING CREEK RESTORATION SITE - COW CR/S.  
 UMPQUA BASIN