

REACH 1

T20S-R07W-S26SW

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	10.0	VWI Range:	10 - 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	546	2,475	0
Secondary	29	112	0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	4.1	Width	9.2	13.5	14.8
Depth	0.50	Height	0.4	0.7	1.0
		W:D ratio	25.7	Entrenchment	1.5
Stream Flow Type:	LF	Water temp (C):		15.0 - 15.0	
Avg. Unit Gradient:	0.7%	Habitat Units/100m:		6.8	

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	ST	YT
Riparian Vegetation:	D30	S

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:	2%	Reach avg: 93%
Undercut Banks:	26%	Range: 78 - 100

Large Wood Debris

	<u>Total</u>	<u>Total / 100m</u>
All pieces (>=3m x 0.15m):	56	10.3
Volume (m ³):	113	20.7
Key pieces (>=10m x 0.60m):	7	1.3

OREGON DEPARTMENT OF FISH AND WILDLIFE

HANEY CREEK POST-TX (UMP-142)

HABITAT INVENTORY

Report Date: 3/17/03

Survey Date:

7/18/02

REACH 1		T20S-R07W-S26SW					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
POOL-BACKWATER	2	18	4.5	0.43	74	0	20	70	10	0	0	0
POOL-DAMMED	1	20	4.8	1.00	95	0	9	36	45	9	0	0
POOL-ISOLATED	2	12	3.0	0.43	38	0	35	60	0	5	0	0
POOL-LATERAL SCOUR	17	404	5.2	0.84	2,004	19	9	32	52	7	0	0
RIFFLE	6	84	2.5	0.15	227	10	3	22	62	13	0	0
STEP/BEAVER DAM	1	2	5.0	0.01	12	0	10	60	30	0	0	0
STEP/COBBLE	8	36	2.9	0.08	138	4	1	20	74	5	0	0
Total:	37	575	4.1	0.50	2,587	33	Avg 8	32	52	7	0	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	5	49	3.9	0.54	207	8.00%	0	0.0	
Scour Pools	17	404	5.2	0.84	2,004	77.44%	19	0.9	
Glides	0	0			0	0.00%	0	0.0	
Riffles	6	84	2.5	0.15	227	8.78%	10	4.4	
Rapids	0	0			0	0.00%	0	0.0	
Cascades	0	0			0	0.00%	0	0.0	
Step/Falls	9	39	3.1	0.07	150	5.78%	4	2.7	
Dry	0	0			0	0.00%	0	0.0	
Culverts	0	0			0	0.00%	0	0.0	

POOL SUMMARY		
	Total	# / Km
All Pools:	22	40.3
Pools >=1m deep:	6	11.0
Complex pools (LWD pieces>=3):	8	14.7
Pool frequency (channel widths/pool):	2.8	
Residual pool depth (avg):	0.77	

RIPARIAN ZONE VEGETATION SUMMARY

REACH 1 **REACH 1**

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

Total hardwoods/1000	813
Total conifers/1000 ft	41
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	0.0	1.0	0.0	1.0	0.0	2.3	0.0	4.3
15-30cm	0.0	2.0	0.0	1.7	0.0	2.0	0.0	5.7
30-50cm	0.0	1.7	0.3	0.7	0.0	0.3	0.3	2.7
50-90cm	0.0	0.3	0.0	0.3	0.0	0.0	0.0	0.7
>90cm	0.0	0.0	0.3	0.0	0.0	0.0	0.3	0.0
Total/100m2	0.0	5.0	0.7	3.7	0.0	4.7	0.2	4.4

Canopy closure and ground cover

	Zone 1		Zone 2		Zone 3	
	0-10 meters		10 - 20 meters		20 - 30 meters	
	(%)		(%)		(%)	
Canopy closure	90		90		85	
Shrub cover	65		30		35	
Grass/forb cover	33		53		43	

Predominant landform in each zone

	Zone 1		Zone 2		Zone 3	
	0-10 meters		10 - 20 meters		20 - 30 meters	
	(%)		(%)		(%)	
Hillslope	17		33		33	
High terrace	67		67		67	
Low terrace	0		0		0	
Floodplain	0		0		0	
Wetland/meadow	0		0		0	
Stream channel	0		0		0	
Roadbed/Railroad	17		0		0	
Riprap	0		0		0	
Surface slope (%)	10		18		16	

RIPARIAN ZONE VEGETATION

Reach 1

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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		
10	LF	1	HT	0	80	90	10	Conifer							
								Hardwood	1	2					
10	LF	2	HS	45	90	0	80	Conifer				1			
								Hardwood		1					
10	LF	3	HS	40	100	0	90	Conifer							
								Hardwood							
10	RT	1	RB	0	90	70	30	Conifer							
								Hardwood		1	2				
10	RT	2	HT	0	100	100	0	Conifer							
								Hardwood					1		
10	RT	3	HT	0	90	90	10	Conifer							
								Hardwood		1					
18	LF	1	HT	0	100	90	10	Conifer							
								Hardwood							
18	LF	2	HT	0	100	0	100	Conifer						1	CEDAR
								Hardwood	1	1	2				
18	LF	3	HT	0	100	30	70	Conifer							
								Hardwood	7						
18	RT	1	HT	0	90	100	0	Conifer							
								Hardwood	2	2	2				
18	RT	2	HT	0	50	20	20	Conifer							RECENTLY PLANTED
								Hardwood							DFIR
18	RT	3	HT	0	20	0	0	Conifer							
								Hardwood		1					
28	LF	1	HS	60	100	0	90	Conifer							
								Hardwood		1	1				
28	LF	2	HS	60	100	0	80	Conifer							
								Hardwood	2	2					
28	LF	3	HS	57	100	0	80	Conifer							
								Hardwood		4					
28	RT	1	HT	0	80	40	60	Conifer							
								Hardwood					1		
28	RT	2	HT	0	100	60	40	Conifer							
								Hardwood		1					
28	RT	3	HT	0	100	90	10	Conifer							
								Hardwood				1			

Comment Summary

Oregon Plan Monitoring Sites 2002

MONITORING AREA: 4-UMP SITE ID: 142 HANEY CREEK POST-TX (UMP-142)

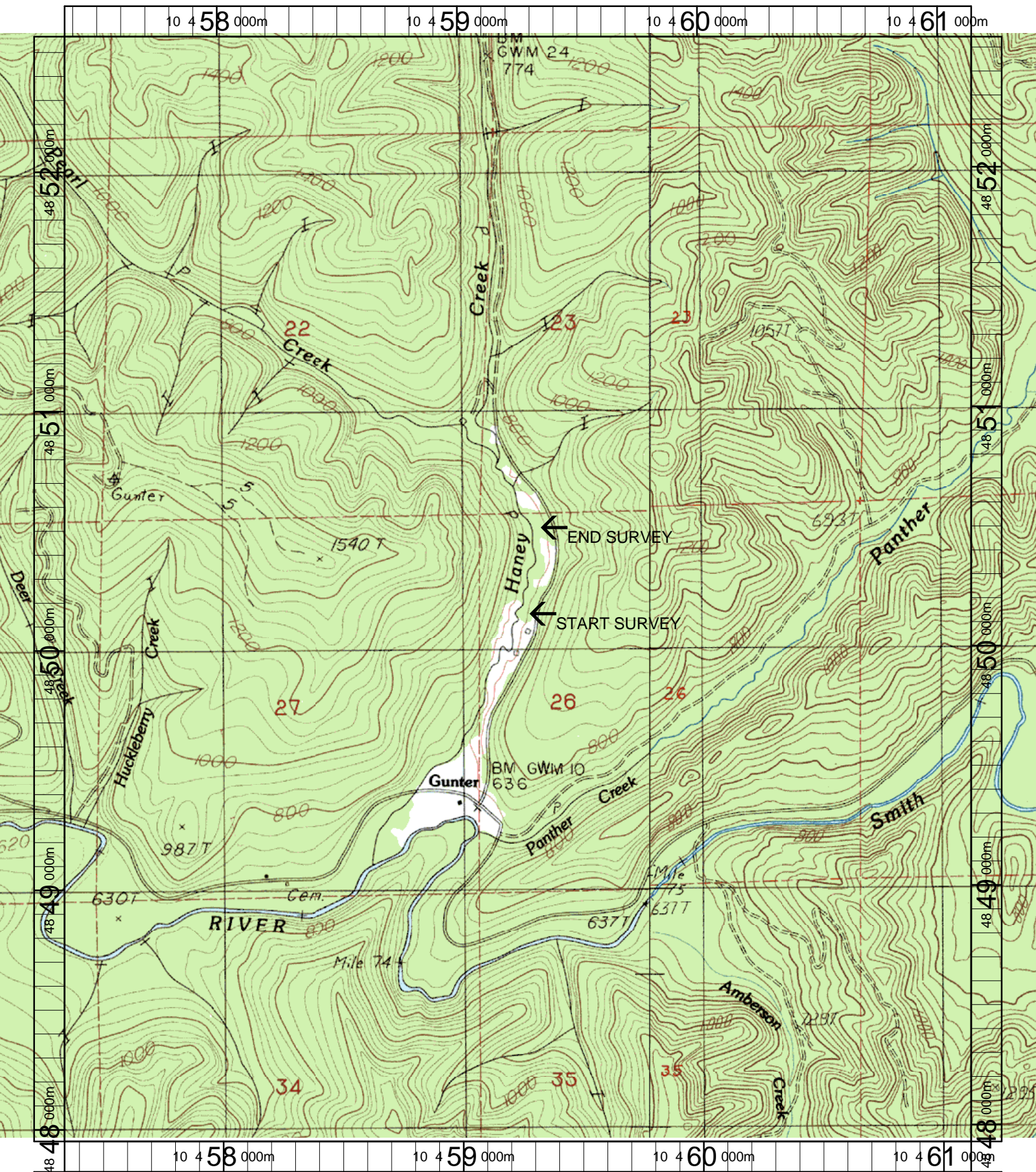
UNIT#	TYPE	CHAN	DIST. (m)	COMMENTS	NOTE ESTIMATOR	NOTE NUMERATOR
1	SC	00	1.7		START, T=15C	START
2	LP	00	24.2	HS		BOULDERS
4	IP	10	35.5		ELK & DEER TRACKS	COHO
6	LP	00	84		6.8M TAILOUT	
8	LP	01	117.1			DEPTH AROUND BOULDER
9	BW	10	117.1	WL	ORANGE TINT	RSN
10	LP	00	136.6		RIP#1	
11	RI	00	146.7	WL		ELK TRAIL
12	LP	00	165.2	HS		
14	LP	00	191.4	DJ		
16	LP	00	219.9			COHO
18	LP	00	254.3		RIP#2, POOL#15 FLAG	4X4 ROAD COMES TO CREE
20	LP	00	279.8		UT	4" TROUT
25	LP	01	375.9		FLAG "POOL #16"	
26	BW	10	375.9		ORANGE TINT, SF	BEHIND COBBLE BAR
27	SC	00	378		RIP#3	
28	LP	00	400.2			RIP#3
30	SD	00	428.7	DJ,BV	H=1.5	POOLS CONNECT THROUGH
32	RI	00	470.4			.45M POCKET
34	LP	00	495.1		ELK/DEER TRACK	
35	SC	00	503.4			CLEARCUT BEGINS ON LEFT

Comment Summary

Oregon Plan Monitoring Sites 2002

MONITORING AREA: 4-UMP SITE ID: 142 HANEY CREEK POST-TX (UMP-142)

<u>UNIT#</u>	<u>TYPE</u>	<u>CHAN</u>	<u>DIST. (m)</u>	<u>COMMENTS</u>	<u>NOTE ESTIMATOR</u>	<u>NOTE NUMERATOR</u>
37	IP	10	546	END SURVEY	ORANGE TINT/END SURV	



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

Location: 10 459235 E 4850251 N
 Caption: HANEY CREEK RESTORATION SITE - SMITH BASIN