

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

STREAM: Honeygrove Creek (MC-35)  
BASIN: Alsea River  
SURVEY TYPE: Post-Tx  
DATE: February 27, 2001  
SURVEY CREW: Eric Brown, Joe Zuccarello  
REPORT PREPARED BY: Paul Jacobsen  
BASIN AREA: 16.2 km<sup>2</sup>  
USGS MAPS: Alsea  
ECOREGION: Coast Range Sedimentary

**GENERAL DESCRIPTION:**

The Honeygrove Creek habitat survey extended 582 meters. The channel was constrained by terraces in a broad valley floor. The average valley width index was 6.1 (range: 1.8 – 10.0). Land use for the reach was second growth (15-30 cm dbh) trees. The average unit gradient was 0.7 percent. Scour pools (53%) dominated stream habitat. Gravel (71%) dominated stream substrate. Wood volume was high at 30.9 m<sup>3</sup>/100m.

**COMMENTS:**

There were no potential barriers to upstream fish migration in the surveyed length.  
The crew noted several habitat structures during the survey.

REACH SUMMARY

REACH 1

T14S-R7W-S5NE

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	0
Moderate V-shape	0	Multiple Terraces	100
Open V-shape	0	Wide Floodplain	0

Valley Width Index avg: 6.1 range: 1.8-10.0

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	582	3,144	0
Secondary	205	937	0

Channel Dimensions (m)

<u>Wetted</u>	<u>Active</u>	<u>Floodprone</u>	<u>First Terrace</u>
Width 4.3	7.4	16.2	11.6
Depth 0.49	Height 0.6	1.1	1.3
W:D ratio 12.4		Entrenchment 2.3	

Stream Flow Type: MF Water Temp: 5.0-5.0°C  
 Avg. Unit Gradient: 0.7% Habitat Units/100m: 5.8

Riparian, Bank, and Wood Summary

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

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding	0%	Reach avg: 0%
Undercut Banks	0%	Range: 0- 0

Large Woody Debris

	<u>Total</u>	<u>Total/100m</u>
All pieces ( $\geq 3m \times 0.15m$ )	131	22.5
Volume (m <sup>3</sup> )	180	30.9
Key pieces ( $\geq 10m \times 0.6m$ )	11	1.9

HABITAT UNIT SUMMARY

REACH 1												
T14S-R7W-S5NE												
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	Cbbl	Bldr	Bdrk
GLIDE	5	103	4.3	0.25	515	0	5	13	79	3	0	0
POOL-ALCOVE	3	15	1.5	0.17	25	0	62	8	30	0	0	0
POOL-BACKWATER	2	43	4.7	0.55	208	0	93	5	3	0	0	0
POOL-LATERAL SCOUR	17	296	5.9	0.91	1,853	0	15	12	69	3	1	0
POOL-STRAIGHT SCOUR	1	52	5.8	1.10	302	0	5	10	85	0	0	0
PUDDLED CHANNEL	1	62	8.1	0.00	503	0	5	5	90	0	0	0
RIFFLE	12	159	2.6	0.18	501	0	1	12	85	2	1	0
RIFFLE W/ POCKETS	2	39	2.7	0.25	104	0	10	15	73	3	0	0
STEP/COBBLE	2	12	4.2	0.10	48	0	0	3	90	8	0	0
STEP/LOG	1	5	5.2	0.10	23	0	0	5	95	0	0	0
<b>Total:</b>	<b>46</b>	<b>787</b>	<b>4.3</b>	<b>0.49</b>	<b>4,081</b>	<b>0</b>	<b>Avg:15</b>	<b>11</b>	<b>71</b>	<b>2</b>	<b>0</b>	<b>0</b>

HABITAT SUMMARY

Habitat Group	No. Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Wetted Area (m <sup>2</sup> )	Percent	Large Boulders Number	#/100m <sup>2</sup>
Dammed & BW Pools	5	59	2.8	0.32	233	5.70	0	0.0
Scour Pools	18	348	5.9	0.92	2,154	52.79	0	0.0
Glides	5	103	4.3	0.25	515	12.61	0	0.0
Riffles	14	198	2.6	0.19	605	14.83	0	0.0
Rapids	0	0	-	-	0	0.00	0	0.0
Cascades	0	0	-	-	0	0.00	0	0.0
Step/Falls	3	17	4.5	0.10	71	1.74	0	0.0
Dry	1	62	8.1	0.00	503	12.33	0	0.0

POOL SUMMARY

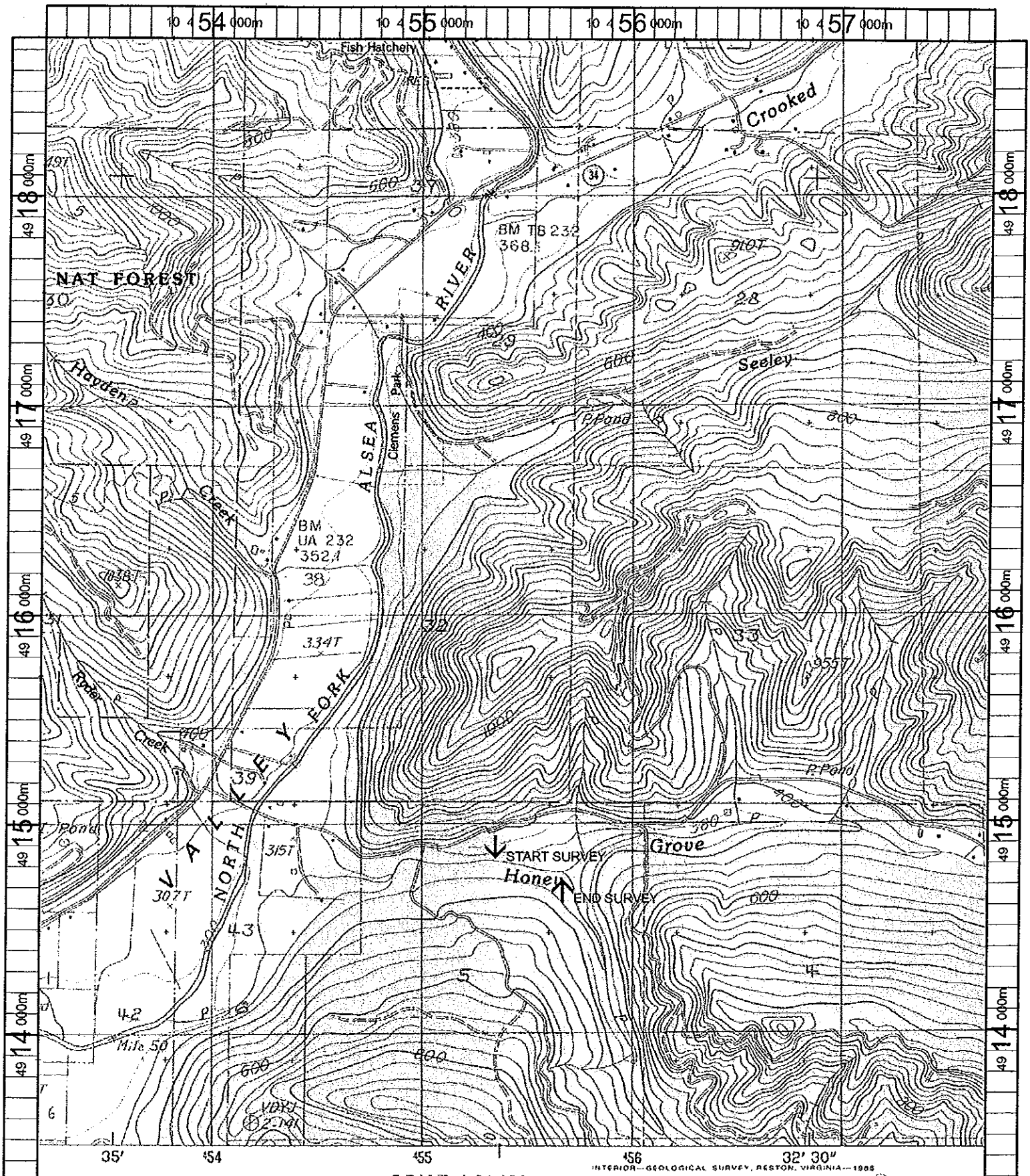
All Pools	<u>Total</u>	<u>#/Km</u>
	23	29.2
Pools ≥1m deep:	6	7.6
Complex pools (LWD pieces ≥3):	14	17.8
Pool Frequency (channel widths/pool):	4.7	
Residual pool depth (avg)	0.75m	

STREAM SUMMARY

HONEYGROVE CREEK POST-TX

Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Total Area (m <sup>2</sup> )	Substrate Percent Wetted Area					Total Large Boulder
					S/O	Sand	Grvl	Cbbl	Bldr	
46	787	4.3	0.49	4,081	15	11	71	2	0	0

Habitat Group	Wetted Area	
	(m <sup>2</sup> )	Percent
Scour Pool	2,154	52.8
Backwater Pools	233	5.7
Glide	515	12.6
Riffle	605	14.8
Rapid	0	0.0
Cascade	0	0.0
Step	71	1.7
Dry	503	12.3



Name: ALSEA  
 Date: 11/1/100  
 Scale: 1 Inch equals 2000 feet

Location: 10 455343 E 4916008 N  
 Caption: HONEY GROVE CREEK RESTORATION SITE - ALSEA BASIN