

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

STREAM: Honeygrove Creek (MC-35)
BASIN: Alsea River
SURVEY TYPE: Pre-Tx
DATE: January 31, 2000
SURVEY CREW: SG, JJ
REPORT PREPARED BY: Paul Jacobsen
BASIN AREA: 16.2 km²
USGS MAPS: Alsea
ECOREGION: Coast Range Sedimentary

GENERAL DESCRIPTION:

The Honeygrove Creek habitat survey extended 436 meters. The channel was unconstrained in a broad valley floor. The average valley width index was 3.1 (range: 2.0 – 5.3). Land use for the reach was young (3-15 cm dbh) and second growth (15-30 cm dbh) trees. The average unit gradient was 0.4 percent. Scour pools (59%) and riffles (21%) dominated stream habitat. Gravel (44%) and fines (35%) dominated stream substrate. Wood volume was moderate at 25.8 m³/100m.

COMMENTS:

There were no potential barriers to upstream fish migration in the surveyed length.

The crew noted several habitat structures during the survey.

REACH 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	3.1	VWI Range:	2 - 5.3

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	0%	Single Channel	100%
Bedrock	0%	Multiple Channel	0%
Terrace	0%	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	436	1,881	0
Secondary	179	445	0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>		<u>First Terrace</u>
Width	3.5	Width	9.0		30.9	9.9
Depth	0.69	Height	0.8		1.5	1.2
		W:D ratio	12.0	Entrenchment	3.0	
Stream Flow Type:	LF			Water temp (C):	6.5 - 6.5	
Avg. Unit Gradient:	0.4%			Habitat Units/100m:	8.5	

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	YT	ST
Riparian Vegetation:	D30	M30

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):	77	17.7
Volume (m ³):	112	25.8
Key pieces (>=10m x 0.60m):	4	0.9

OREGON DEPARTMENT OF FISH AND WILDLIFE

HONEYGROVE CREEK PRE-TX (MC-35)

HABITAT INVENTORY

Report Date: 11/12/03

Survey Date:

1/31/00

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 ²)	Large Boulders (#>0.5m)	Substrate Percent Wetted Area					
							S/O	Snd	Grvl	Cbl	Bldr	Bdrk
GLIDE	1	29	7.4	0.45	215	0	25	25	50	0	0	0
POOL-ALCOVE	3	58	2.2	0.40	187	0	83	0	17	0	0	0
POOL-BACKWATER	3	22	3.2	0.67	69	0	92	0	2	0	7	0
POOL-LATERAL SCOUR	18	284	4.4	0.97	1,296	0	32	16	46	6	0	0
POOL-STRAIGHT SCOUR	1	14	4.8	1.00	67	0	20	20	55	0	5	0
RIFFLE	7	129	2.1	0.31	301	0	17	9	55	19	0	0
RIFFLE W/ POCKETS	4	80	2.3	0.33	190	0	4	10	65	21	0	0
Total:	37	614	3.5	0.69	2,326	0	Avg 35	12	44	9	1	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	6	80	2.7	0.53	257	11.03%	0	0.0
Scour Pools	19	298	4.4	0.97	1,363	58.62%	0	0.0
Glides	1	29	7.4	0.45	215	9.23%	0	0.0
Riffles	11	208	2.2	0.31	491	21.12%	0	0.0
Rapids	0	0			0	0.00%	0	0.0
Cascades	0	0			0	0.00%	0	0.0
Step/Falls	0	0			0	0.00%	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:	25	57.4
Pools >=1m deep:	11	25.3
Complex pools (LWD pieces>=3):	10	23.0
Pool frequency (channel widths/pool):	2.7	
Residual pool depth (avg):	0.68	

STREAM SUMMARY

HONEYGROVE CREEK PRE-TX (MC-35)

Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Total Area (m ²)	Substrate						Large Boulders (#>0.5m)
					Percent Wetted Area						
					S/O	Snd	Grvl	Cbl	Bldr	Bdrk	
37	614	3.5	0.69	2,326	35	12	44	9	1	0	

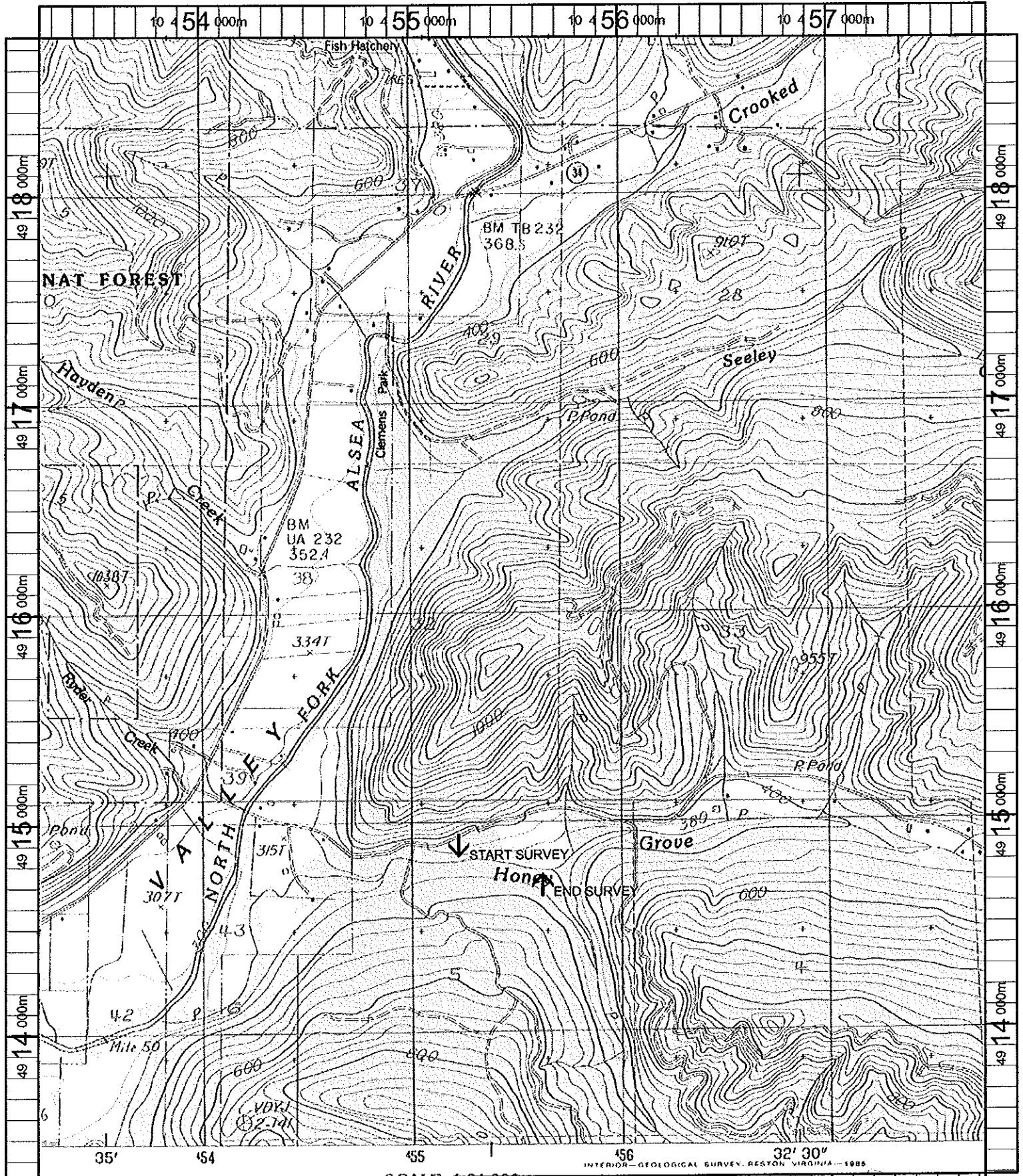
Habitat Group	Wetted Area	
	(m ²)	Percent
Dammed & BW Pools	257	11.03%
Scour Pools	1,363	58.62%
Glides	215	9.23%
Riffles	491	21.12%
Rapids	0	0.00%
Cascades	0	0.00%
Step/Falls	0	0.00%
Dry	0	0.00%
Culverts	0	0.00%

Comment Summary

Restoration Monitoring Sites 2003

MONITORING AREA: 2-MC SITE ID: 35 HONEYGROVE CREEK PRE-TX (MC-35)

UNIT#	TYPE	CHAN	DIST. (m)	COMMENTS	NOTE ESTIMATOR	NOTE NUMERATOR
1	LP	01	16	VWI=2.0	STRT SIGN L.BANK,STRT	
3	LP	02	38		APPROX.400M U/S OF 1S	
10	AL	10	104.5		/SS	
14	LP	00	158.5	SS/		
23	AL	10	334	SS/		
24	RI	11	334	TJ/		
26	LP	00	334	/SS	VWI= 5.3	
37	LP	00	435.5	VWI= 2.0	END @ RESTORATION SI	



<p>Name: ALSEA Date: 10/16/100 Scale: 1 inch equals 2000 feet</p>	<p>Location: 10 455385 E 4916008 N Caption: HONEY GROVE CREEK RESTORATION SITE - ALSEA BASIN</p>
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