

REACH

T12S-R08W-S30NE

REACH

**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	5.4	VWI Range:	4 - 8

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 (m<sup>2</sup>)</u>	<u>Dry Units</u>
Primary	465	3,247	0
Secondary	106	224	0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	5.8	Width	9.8	13.4	20.0
Depth	0.45	Height	0.6	1.2	2.4
		W:D ratio	15.9	Entrenchment	1.4

Stream Flow Type:	MF	Water temp (C):	9.0 - 9.0
Avg. Unit Gradient:	2.2%	Habitat Units/100m:	8.4

**Riparian, Bank, and Wood Summary**

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

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):	116	24.9
Volume (m <sup>3</sup> ):	115	24.8
Key pieces (>=10m x 0.60m):	9	1.9

OREGON DEPARTMENT OF FISH AND WILDLIFE

FEAGLES CREEK POST-TX (MC-31)

HABITAT INVENTORY

Report Date: 5/6/03

Survey Date:

1/27/03

REACH		T12S-R08W-S30NE						REACH					
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	
CASCADE/BEDROCK	1	6	1.0	0.13	6	0	0	0	20	20	0	60	
CASCADE/BOULDERS	1	7	0.5	0.10	4	0	5	15	50	30	0	0	
POOL-BACKWATER	2	10	2.9	0.65	28	0	30	60	5	5	0	0	
POOL-DAMMED	2	20	8.0	1.15	151	0	7	15	51	20	0	7	
POOL-ISOLATED	1	13	2.3	0.55	29	0	30	60	5	5	0	0	
POOL-LATERAL SCOUR	8	95	8.4	0.73	812	0	6	14	47	30	0	3	
POOL-PLUNGE	1	11	7.3	0.90	80	0	5	10	30	15	0	40	
RAPID/BOULDERS	5	99	5.6	0.31	594	0	1	4	33	60	2	0	
RIFFLE	16	311	5.9	0.29	1,764	0	3	7	49	41	0	1	
STEP/BOULDERS	1	1	0.5	0.04	1	0	0	0	10	90	0	0	
STEP/LOG	1	0	5.0	0.01	2	0	5	5	30	30	0	30	
<b>Total:</b>	<b>39</b>	<b>572</b>	<b>5.8</b>	<b>0.45</b>	<b>3,470</b>	<b>0</b>	<b>Avg 6</b>	<b>12</b>	<b>41</b>	<b>37</b>	<b>0</b>	<b>4</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	43	4.8	0.83	208	5.99%	0	0.0	
Scour Pools	9	106	8.3	0.75	892	25.71%	0	0.0	
Glides	0	0			0	0.00%	0	0.0	
Riffles	16	311	5.9	0.29	1,764	50.84%	0	0.0	
Rapids	5	99	5.6	0.31	594	17.12%	0	0.0	
Cascades	2	13	0.8	0.12	9	0.26%	0	0.0	
Step/Falls	2	1	2.8	0.03	3	0.07%	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:	14	30.1
Pools >=1m deep:	2	4.3
Complex pools (LWD pieces>=3):	10	21.5
Pool frequency (channel widths/pool):	4.2	
Residual pool depth (avg):	0.59	

**STREAM SUMMARY**

**FEAGLES CREEK POST-TX (MC-31)**

Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Total Area (m <sup>2</sup> )	Substrate Percent Wetted Area						Large Boulders (#>0.5m)
					S/O	Snd	Grvl	Cbl	Bldr	Bdrk	
39	572	5.8	0.45	3,470	6	12	41	37	0	4	

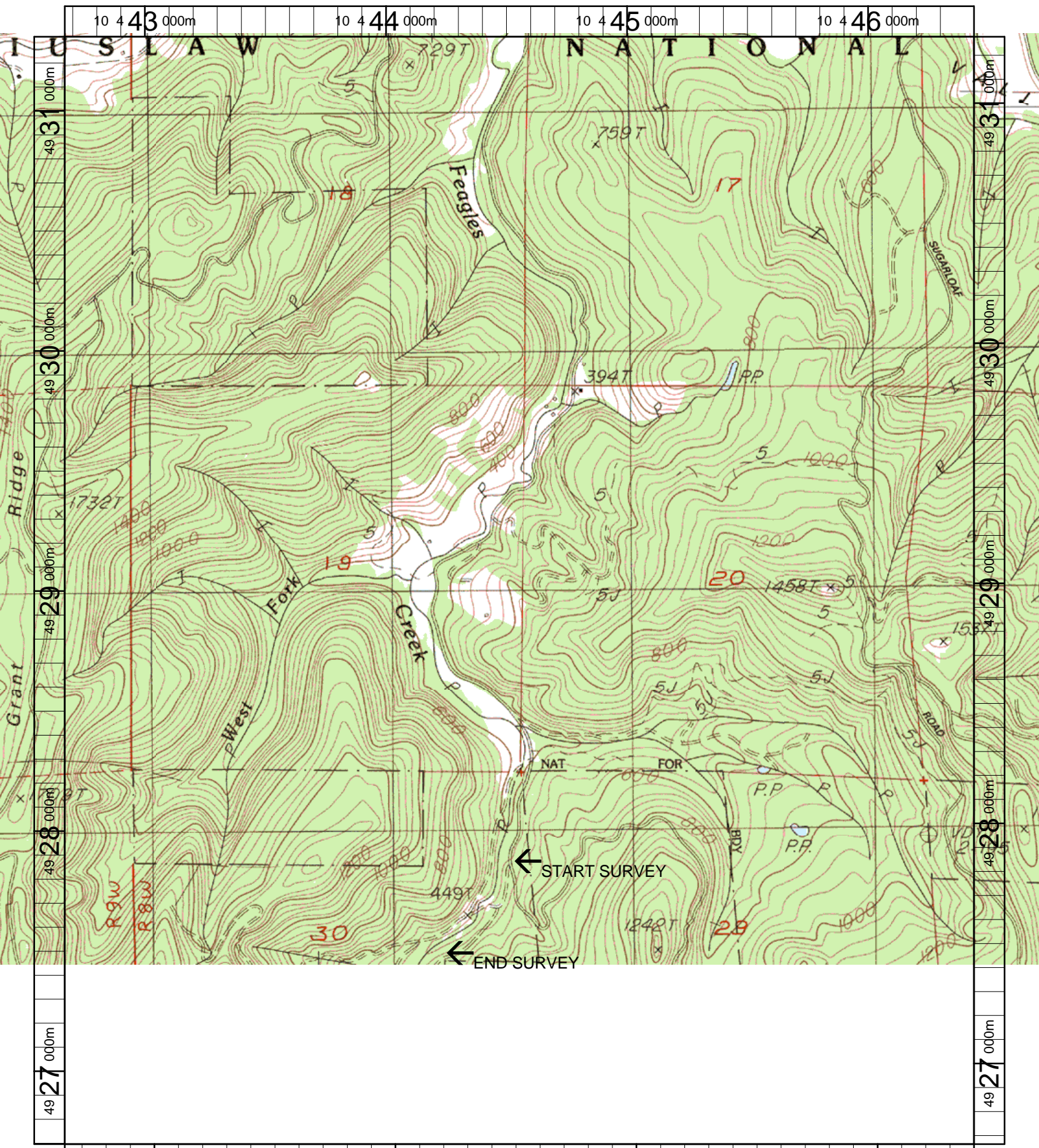
Habitat Group	Wetted Area	
	(m <sup>2</sup> )	Percent
Dammed & BW Pools	208	5.99%
Scour Pools	892	25.71%
Glides	0	0.00%
Riffles	1,764	50.84%
Rapids	594	17.12%
Cascades	9	0.26%
Step/Falls	3	0.07%
Dry	0	0.00%
Culverts	0	0.00%

# Comment Summary

## Restoration Monitoring Sites 2003

**MONITORING AREA: 2-MC    SITE ID: 31    FEAGLES CREEK POST-TX (MC-31)**

<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	17.5		BEGIN @ SIGN ON RT	
2	LP	01	25		2 DEAD CO	
3	BW	10	25		CO, 1 DEAD, 1 ALIVE	
4	RI	01	43.5		T=9C/1230	
12	RI	01	159.5	SS/	SEEP <1%, 2 DEAD CO	
14	LP	01	165.5	TJ/	2 DEAD CO	
17	DP	00	198.7	DJ	POOL CREATED BY JAM	
18	RI	00	218.7	HS	DEAD CO	
23	SL	00	257.9		H=.4M	
24	DP	01	264.4	HS		
29	LP	00	314.4	HS		
30	RB	00	339.4	BC/CS	RIPRAP W/BC	
31	RB	01	364.4	TJ/	2% FLOW FROM TRIB	
34	RB	01	381.4		3 DEAD CO	
35	LP	02	381.4		2 LIVE CO	
36	RB	00	406.4		3 DEAD CO	
37	LP	00	421.4	HS	2 LIVE CO	
38	RI	00	446.4		ATYPICAL METRICS-CON	
39	RI	00	465.4		3 DEAD CO, EOS SIGN AL	



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

Location: 10 444529 E 4928990 N  
 Caption: FEAGLES CREEK RESTORATION SITE - YAQUINA BASIN