

OREGON DEPARTMENT OF FISH AND WILDLIFE

ESMOND CREEK UPPER PRE-TX (MC-139)

HABITAT INVENTORY

Report Date: 5/6/03

Survey Date:

2/11/03

REACH		T19S-R08W-S26SW					REACH					
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
CASCADE/BOULDERS	2	22	4.3	0.20	121	0	5	5	62	11	17	0
POOL-BACKWATER	6	50	2.6	0.45	148	0	18	36	34	9	3	0
POOL-LATERAL SCOUR	22	367	5.2	0.64	1,971	0	3	5	57	7	6	22
PUDDLED UNIT	1	8	0.2	0.02	2	0	0	0	95	5	0	0
RIFFLE	8	105	4.5	0.17	477	0	0	1	82	18	0	0
STEP/BEDROCK	1	1	7.0	0.05	7	0	0	0	0	0	0	100
STEP/BOULDERS	2	9	4.5	0.20	42	0	0	0	38	8	54	0
Total:	42	563	4.6	0.45	2,768	0	Avg 4	8	57	9	7	14

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	50	2.6	0.45	148	5.36%	0	0.0
Scour Pools	22	367	5.2	0.64	1,971	71.21%	0	0.0
Glides	0	0			0	0.00%	0	0.0
Riffles	8	105	4.5	0.17	477	17.23%	0	0.0
Rapids	0	0			0	0.00%	0	0.0
Cascades	2	22	4.3	0.20	121	4.37%	0	0.0
Step/Falls	3	10	5.3	0.15	49	1.77%	0	0.0
Dry	1	8	0.2	0.02	2	0.06%	0	0.0
Culverts	0	0			0	0.00%	0	0.0

POOL SUMMARY		
	<u>Total</u>	<u># / Km</u>
All Pools:	28	56.2
Pools >=1m deep:	2	4.0
Complex pools (LWD pieces>=3):	12	24.1
Pool frequency (channel widths/pool):	2.9	
Residual pool depth (avg):	0.40	

STREAM SUMMARY

ESMOND CREEK UPPER PRE-TX (MC-139)

Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Total Area (m ²)	Substrate Percent Wetted Area						Large Boulders (#>0.5m)
					S/O	Snd	Grvl	Cbl	Bldr	Bdrk	
42	563	4.6	0.45	2,768	4	8	57	9	7	14	

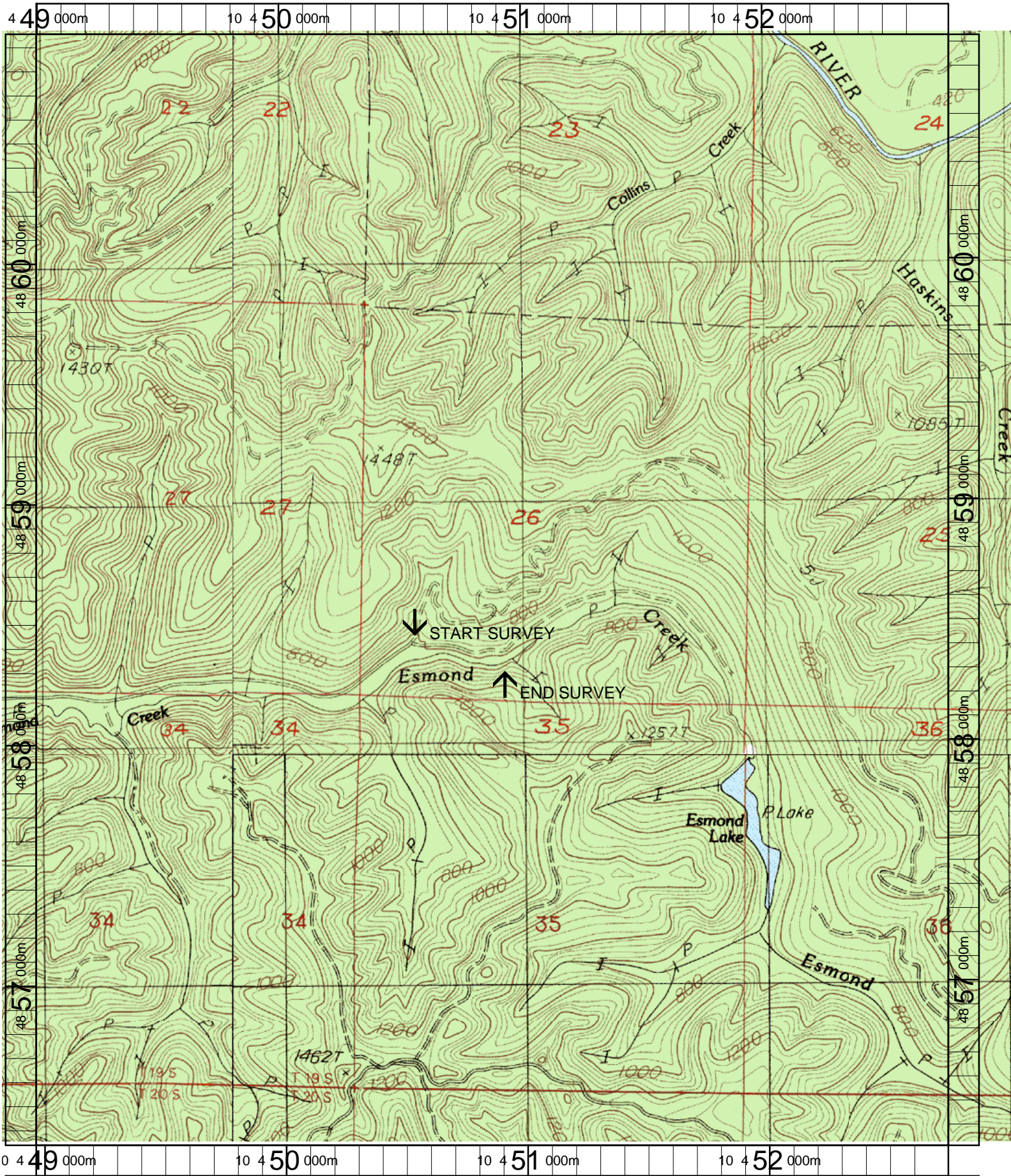
Habitat Group	Wetted Area	
	(m ²)	Percent
Dammed & BW Pools	148	5.36%
Scour Pools	1,971	71.21%
Glides	0	0.00%
Riffles	477	17.23%
Rapids	0	0.00%
Cascades	121	4.37%
Step/Falls	49	1.77%
Dry	2	0.06%
Culverts	0	0.00%

Comment Summary

Restoration Monitoring Sites 2003

MONITORING AREA: 2-MC SITE ID: 139 ESMOND CREEK UPPER PRE-TX (MC-139)

<u>UNIT#</u>	<u>TYPE</u>	<u>CHAN</u>	<u>DIST. (m)</u>	<u>COMMENTS</u>	<u>NOTE ESTIMATOR</u>	<u>NOTE NUMERATOR</u>
2	CB	11	22.6		T=8C, ACW=2.0M	
3	SR	00	23.6		T=7C	
5	CB	00	66		CARCASS	
6	LP	01	78		ORANGE FLAG	
8	LP	00	99		CARCASS	
10	LP	00	118.6		ORANGE FLAG	
16	LP	01	183.7		PINK FLAG	
20	BW	10	219.4	LI/	CARCASS, EROSION FRO	
21	LP	00	240.8	DJ	CARCASS	
24	LP	00	269.8	DJ	CARCASS	
26	RI	01	316.8		ORANGE FLAGS	
29	LP	00	347.8		ORANGE FLAG, CARCAS	
38	LP	01	456.8	/SS		
39	PD	11	456.8	/TJ	T=7C, ACW=1.0	
40	RI	00	464.2	BC	T=6C, ABOVE TRIB	
42	LP	00	498.1	/SS		



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

Location: 10 450864 E 4858638 N
 Caption: ESMOND CREEK (UPPER) RESTORATION SITE -
 SIUSLAW BASIN