

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

STREAM: Beaver Creek Upper (L-205)
BASIN: Sandy River
SURVEY TYPE: Post-Tx
DATE: February 2, 2005
SURVEY CREW: Brian Bangs, Sheila Davis
REPORT PREPARED BY: Paul Jacobsen
BASIN AREA: 32.8 km²
USGS MAPS: Camas
ECOREGION: Willamette Valley Plains

GENERAL DESCRIPTION:

The Beaver Creek habitat survey extended 509 meters. The channel was constrained by terraces in a broad valley floor. The average valley width index was 14.0 (range: 4.0-30.0). Land use for the reach was urban and greenway. The average unit gradient was 0.3 percent. Scour pools (83%) and riffles (11%) dominated stream habitat. Sand (41%), silt (24%) and gravel (22%) dominated stream substrate. Wood volume was very low at 5.6 m³/100m.

COMMENTS:

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

The crew noted two habitat structures during the survey.

HABITAT INVENTORY

Report Date: 11/29/2005

Survey Date:

2/2/2005

REACH 1		T01N-R03E-S25SE					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	1	17	3.7	0.70	62	0	80	20	0	0	0	0
POOL-ISOLATED	1	16	4.2	0.85	69	0	9	9	55	18	9	0
POOL-LATERAL SCOUR	16	362	6.6	1.24	2,392	0	26	58	9	2	4	0
POOL-PLUNGE	1	4	4.8	0.50	20	0	5	30	25	20	20	0
POOL-STRAIGHT SCOUR	1	41	4.6	0.70	190	0	5	10	80	5	0	0
RAPID/BOULDERS	1	15	4.1	0.50	62	0	0	5	5	0	90	0
RIFFLE	6	96	3.6	0.33	358	0	22	18	47	5	8	0
Total:	27	551	5.5	0.93	3,152	0	Avg: 24	41	22	4	9	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	2	33	4.0	0.78	131	4.16%	0	0.0
Scour Pools	18	407	6.4	1.17	2,601	82.52%	0	0.0
Glides	0	0			0	0.00%	0	0.0
Riffles	6	96	3.6	0.33	358	11.34%	0	0.0
Rapids	1	15	4.1	0.50	62	1.98%	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

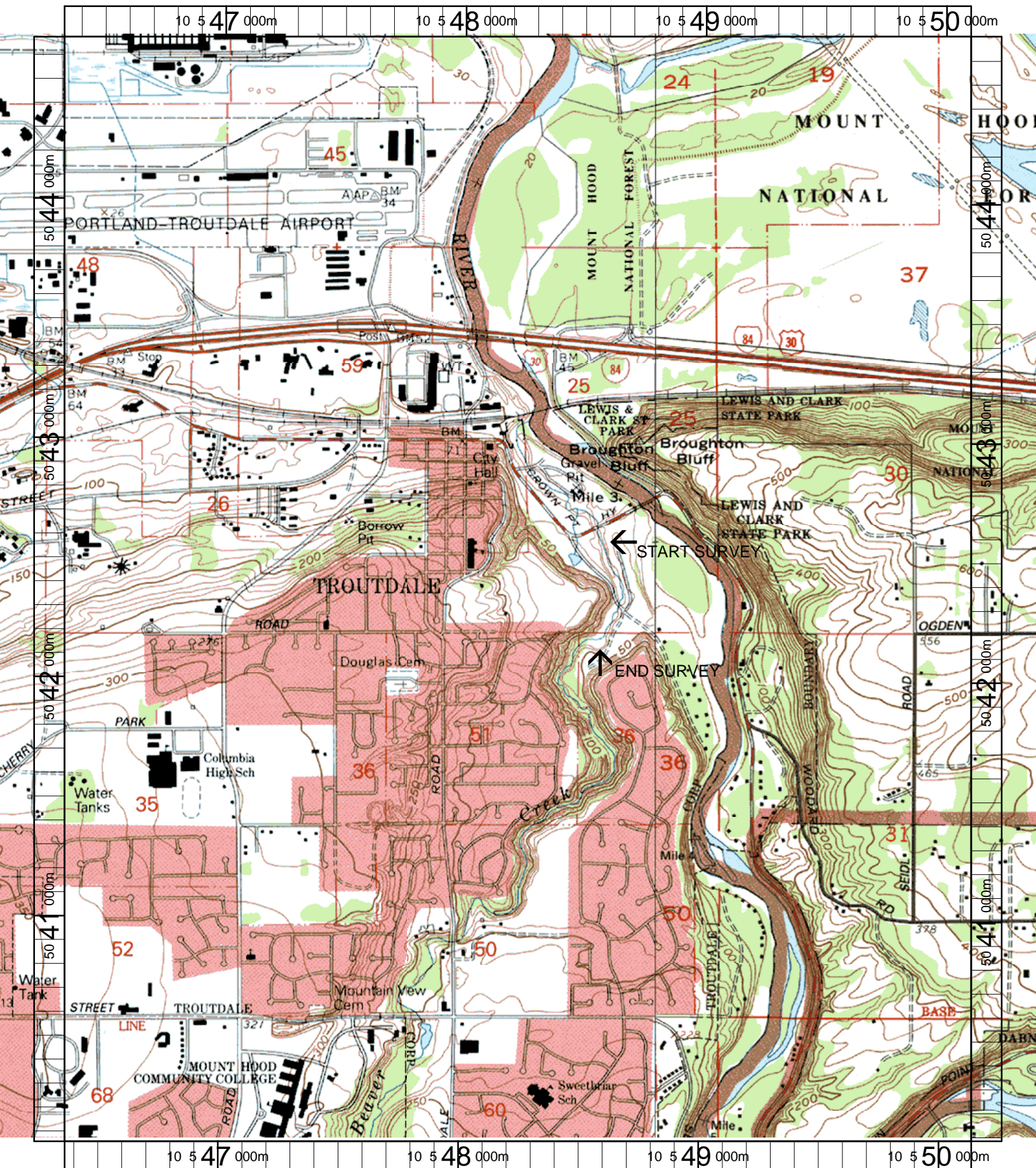
POOL SUMMARY			
	Total of all Channel Lengths		Primary Channel Length
	Total	# / Km	# / Km
All Pools:	20	36.3	39.3
Pools >=1m deep:	13	23.6	25.5
Complex pools (LWD pieces>=3):	8	14.5	15.7
Pool frequency (channel widths/pool):	3.3		
Residual pool depth (avg):	0.78		

Comment Summary

Restoration Monitoring Sites 2005

MONITORING AREA: 7-L SITE ID: 205 BEAVER CREEK UPPER POST-TX

UNIT#	TYPE	CHAN	DIST. (m)	COMMENTS	NOTE ESTIMATOR	NOTE NUMERATOR
1	RI	00	9.6	CS BC	BRIDGE CROSSING	
2	PP	00	13.7		CT MT UR GN D50 S	
3	LP	00	41.9	DJ		
5	LP	00	110	DJ		
6	RI	00	130.5		CT MT UR GN D50 S	
8	LP	00	165.3	DJ		
10	LP	00	210.3	CS		
11	RI	00	226.4	CS	CT MT UR GN D50 S	
12	LP	00	240.1	CS		
15	LP	00	296.1	DJ		
16	LP	01	311.1	HS		
17	BW	10	311.1	DJ		
19	LP	00	330.3	CS	DEPTH EST., POOL TOO DEEP	
20	RB	00	345.5	CS BC	BRIDGE CROSSING	
21	LP	01	367.3	HS, CS, TJ	CT MT UR RR S G	
25	LP	00	474.5	CS		
26	LP	00	497.2	CS		
27	LP	00	508.9	DJ	CT MT UR RR S D15	



Name: CAMAS
 Date: 6/11/2003
 Scale: 1 inch equals 1666 feet

Location: 10 548227 E 5042384 N
 Caption: BEAVER CREEK UPPER RESTORATION SITE - SANDY RIVER BASIN