

OREGON DEPARTMENT OF FISH AND WILDLIFE

ARGUE CREEK PRE-TX (U-183)

HABITAT INVENTORY

Report Date: 5/6/03

Survey Date:

2/4/03

REACH		T21S-R08W-S05SE					REACH					
Habitat Type	Number Units	HABITAT DETAIL					Substrate					
		Total	Avg	Avg	Total	Large	Percent Wetted Area					
		Length (m)	Width (m)	Depth (m)	Area (m ²)	Boulders (#>0.5m)	S/O	Snd	Grvl	Cbl	Bldr	Bdrk
CULVERT CROSSING	1	18	3.0	0.25	53	0	0	5	90	5	0	0
POOL-BACKWATER	3	11	2.8	0.38	29	0	14	56	19	0	0	11
POOL-DAMMED	3	62	3.8	0.62	267	0	10	69	8	5	6	2
POOL-LATERAL SCOUR	10	117	4.1	0.63	507	0	10	34	36	4	2	15
POOL-PLUNGE	5	44	5.6	0.78	257	0	7	29	42	11	5	6
RAPID/BEDROCK	1	25	4.9	0.20	123	0	0	5	5	0	0	90
RAPID/BOULDERS	4	61	4.9	0.19	305	0	0	9	43	38	8	2
RIFFLE	10	165	3.4	0.23	589	0	3	15	63	7	0	12
STEP/BEDROCK	2	6	5.4	0.05	36	0	0	0	0	0	0	100
STEP/BOULDERS	3	8	3.4	0.18	30	0	2	7	12	22	58	0
STEP/COBBLE	3	17	6.2	0.12	120	0	2	7	73	16	2	0
STEP/LOG	3	2	3.4	0.12	8	0	7	57	7	11	19	0
Total:	48	537	4.2	0.37	2,321	0	Avg 5	27	38	10	7	13

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	73	3.3	0.50	296	12.74%	0	0.0
Scour Pools	15	161	4.6	0.68	764	32.90%	0	0.0
Glides	0	0			0	0.00%	0	0.0
Riffles	10	165	3.4	0.23	589	25.38%	0	0.0
Rapids	5	86	4.9	0.19	427	18.40%	0	0.0
Cascades	0	0			0	0.00%	0	0.0
Step/Falls	11	34	4.5	0.12	193	8.32%	0	0.0
Dry	0	0			0	0.00%	0	0.0
Culverts	1	18	3.0	0.25	53	2.26%	0	0.0

POOL SUMMARY

	<u>Total</u>	<u># / Km</u>
All Pools:	21	41.6
Pools >=1m deep:	1	2.0
Complex pools (LWD pieces>=3):	8	15.9
Pool frequency (channel widths/pool):	4.3	
Residual pool depth (avg):	0.46	

STREAM SUMMARY

ARGUE CREEK PRE-TX (U-183)

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	
48	537	4.2	0.37	2,321	5	27	38	10	7	13	

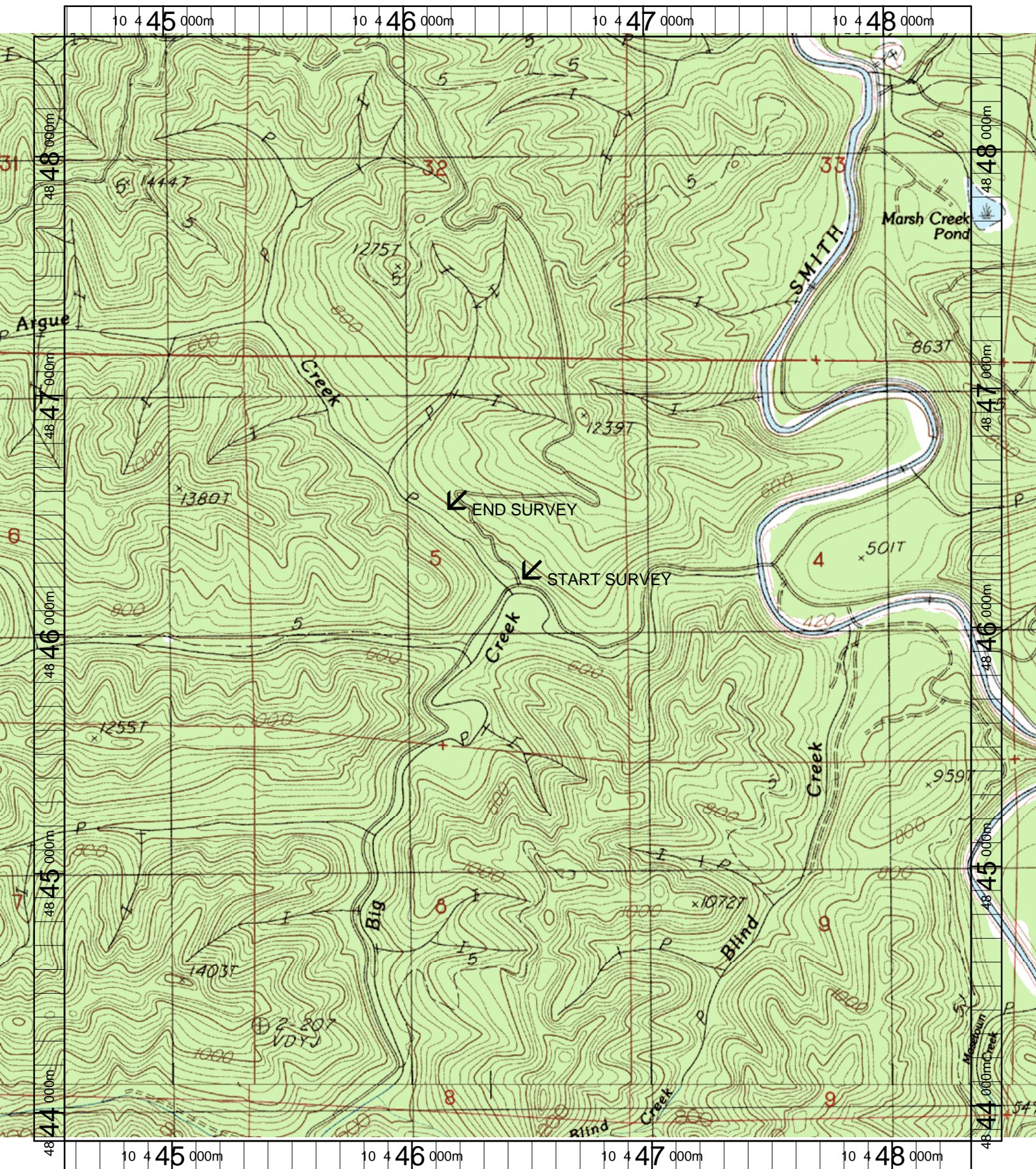
Habitat Group	Wetted Area	
	(m ²)	Percent
Dammed & BW Pools	296	12.74%
Scour Pools	764	32.90%
Glides	0	0.00%
Riffles	589	25.38%
Rapids	427	18.40%
Cascades	0	0.00%
Step/Falls	193	8.32%
Dry	0	0.00%
Culverts	53	2.26%

Comment Summary

Restoration Monitoring Sites 2003

MONITORING AREA: 4-UMP SITE ID: 183 ARGUE CREEK PRE-TX (U-183)

<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	CC	00	22.8		3.0M DIAM PIPE	
3	RI	00	38	CS/CS		
5	SR	00	47.3		H=.35M	
8	PP	00	86.4	DJ	CARCASS	
9	RB	00	97.9	DJ		
16	LP	00	143.4	DJ		
23	SL	00	242.3	DJ	H=.4M	
27	RB	00	331.6	/SS		
28	PP	00	345.7	/SS		
29	SR	00	349.7		H=.8M	
34	RB	01	420.8	/SS		
35	BW	10	420.8	/SS		
37	SB	01	447.4	BC	CARCASS	
38	DP	01	462.4	/SS		
39	SL	01	463.4		H=.5M	
40	SB	02	463.4		H=.5M	
42	SL	02	463.4		H=.4M	
44	SB	02	463.4		H=.35M	
47	LP	00	490.4	/SS	CARCASS	
48	RI	00	504.4		CARCASS, T=12.5C	



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

Location: 10 446455 E 4846181 N
 Caption: ARGUE CREEK RESTORATION SITE - SMITH BASIN