

REACH

T12S-R10W-S06SE

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 | 100% |
| Moderate V-shape | 0% | Multiple Terraces | 0% |
| Open V-shape | 0% | Wide Floodplain | 0% |
| Valley Width Index | 4.7 | VWI Range: | 3 - 6.5 |

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 (m2)</u> | <u>Dry Units</u> |
|-------------|-------------------|------------------|------------------|
| Primary | 526 | 2,360 | 0 |
| Secondary | 10 | 8 | 0 |

Channel Dimensions (m)

| <u>Wetted</u> | | <u>Active</u> | | <u>Floodprone</u> | <u>First Terrace</u> |
|---------------|------|---------------|------|-------------------|----------------------|
| Width | 4.4 | Width | 6.9 | 8.2 | 10.0 |
| Depth | 0.61 | Height | 0.5 | 1.0 | 1.3 |
| | | W:D ratio | 13.7 | Entrenchment | 1.2 |

| | | | |
|---------------------|------|---------------------|-----------|
| Stream Flow Type: | HF | Water temp (C): | 9.0 - 9.0 |
| Avg. Unit Gradient: | 1.0% | Habitat Units/100m: | 5.5 |

Riparian, Bank, and Wood Summary

| | <u>Primary</u> | <u>Secondary</u> |
|----------------------|----------------|------------------|
| Land Use: | ST | |
| Riparian Vegetation: | D30 | P |

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): | 45 | 8.6 |
| Volume (m ³): | 30 | 5.7 |
| Key pieces (>=10m x 0.60m): | 1 | 0.2 |

OREGON DEPARTMENT OF FISH AND WILDLIFE

WRIGHT CREEK PRE-TX (MC-179)

HABITAT INVENTORY

Report Date: 5/6/03

Survey Date:

2/10/03

| REACH | | T12S-R10W-S06SE | | | | | 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 | 1 | 10 | 0.8 | 0.05 | 8 | 0 | 0 | 40 | 50 | 10 | 0 | 0 | |
| POOL-LATERAL SCOUR | 12 | 187 | 4.6 | 0.96 | 864 | 0 | 11 | 31 | 50 | 5 | 1 | 0 | |
| POOL-PLUNGE | 1 | 4 | 5.5 | 0.95 | 23 | 0 | 20 | 50 | 30 | 0 | 0 | 0 | |
| POOL-STRAIGHT SCOUR | 1 | 27 | 4.2 | 1.00 | 112 | 0 | 10 | 60 | 30 | 0 | 0 | 0 | |
| RIFFLE | 14 | 309 | 4.6 | 0.30 | 1,361 | 0 | 6 | 14 | 75 | 5 | 0 | 0 | |
| Total: | 29 | 536 | 4.4 | 0.61 | 2,368 | 0 | Avg 8 | 25 | 61 | 5 | 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 | 0 | 0 | | | 0 | 0.00% | 0 | 0.0 |
| Scour Pools | 14 | 217 | 4.6 | 0.96 | 998 | 42.17% | 0 | 0.0 |
| Glides | 0 | 0 | | | 0 | 0.00% | 0 | 0.0 |
| Riffles | 14 | 309 | 4.6 | 0.30 | 1,361 | 57.50% | 0 | 0.0 |
| Rapids | 0 | 0 | | | 0 | 0.00% | 0 | 0.0 |
| Cascades | 1 | 10 | 0.8 | 0.05 | 8 | 0.34% | 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 | # / Km |
| All Pools: | 14 | 26.6 |
| Pools >=1m deep: | 5 | 9.5 |
| Complex pools (LWD pieces>=3): | 4 | 7.6 |
| Pool frequency (channel widths/pool): | 5.6 | |
| Residual pool depth (avg): | 0.66 | |

STREAM SUMMARY

WRIGHT CREEK PRE-TX (MC-179)

| 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 | |
| 29 | 536 | 4.4 | 0.61 | 2,368 | 8 | 25 | 61 | 5 | 1 | 0 | |

| Habitat Group | Wetted Area | |
|-------------------|-------------------|---------|
| | (m ²) | Percent |
| Dammed & BW Pools | 0 | 0.00% |
| Scour Pools | 998 | 42.17% |
| Glides | 0 | 0.00% |
| Riffles | 1,361 | 57.50% |
| Rapids | 0 | 0.00% |
| Cascades | 8 | 0.34% |
| 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: 179 WRIGHT CREEK PRE-TX (MC-179)

| UNIT# | TYPE | CHAN | DIST. (m) | COMMENTS | NOTE ESTIMATOR | NOTE NUMERATOR |
|-------|------|------|-----------|----------|-------------------------|----------------|
| 1 | LP | 00 | 16 | | T=9C/1110, SIGN ON WILL | |
| 2 | RI | 00 | 49 | RB | OLD RD XING | |
| 3 | LP | 00 | 60 | | SG=1M | |
| 4 | LP | 00 | 73 | DJ, /SS | | |
| 6 | PP | 00 | 109.2 | | STEP<.3 | |
| 9 | RI | 00 | 154.2 | SS/ | CO | |
| 10 | LP | 00 | 176.7 | | CARCASS | |
| 11 | RI | 00 | 188.9 | | SG=2M | |
| 12 | LP | 00 | 201.4 | | SG=1M, REDD? | |
| 16 | LP | 00 | 308.5 | | CARCASS | |
| 20 | LP | 00 | 390.6 | BC | CULVERT REMOVED, NE | |
| 21 | RI | 00 | 404.1 | /SS | | |
| 22 | LP | 00 | 421.5 | /SS | | |
| 23 | RI | 00 | 441 | /SS | SG=1M | |
| 24 | LP | 00 | 457.3 | | SG=3M | |
| 25 | RI | 01 | 471.3 | /TJ | | |
| 26 | CB | 11 | 471.3 | | TRIB UNIT | |
| 27 | LP | 00 | 484.8 | | T=9.5C/1310, TROUT | |
| 28 | RI | 00 | 514.8 | | SG=3M, CARCASS | |
| 29 | LP | 00 | 525.8 | | EOS, STRUCTURE SITE, / | |



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

Location: 10 424476 E 4934226 N
 Caption: WRIGHT CREEK RESTORATION SITE - YAQUINA BASIN