

**STREAM ASSESSMENT SCORES SHEET**    **Version 1.1**    **Assessment Timing:**    **Current conditions**

Project Area Name:	NW HALF MILE LANE		
Investigator Name:	J. Gordon & A. Capretti		
Date of Field Assessment:	10/18/2018		
Latitude (decimal degrees):	45.5483	Longitude (decimal degrees):	-123.1860

SPECIFIC FUNCTIONS	Function Score	Function Rating	Value Score	Value Rating
Surface Water Storage (SWS)	6.57	Moderate	5.42	Moderate
Sub/Surface Water Transfer (SST)	7.50	Higher	10.00	Higher
Flow Variation (FV)	6.91	Moderate	6.67	Moderate
Sediment Continuity (SC)	8.03	Higher	5.33	Moderate
Sediment Mobility (SM)	6.67	Moderate	6.25	Moderate
Maintain Biodiversity (MB)	5.16	Moderate	7.21	Higher
Create and Maintain Habitat (CMH)	4.92	Moderate	10.00	Higher
Sustain Trophic Structure (STS)	8.20	Higher	8.27	Higher
Nutrient Cycling (NC)	9.02	Higher	5.00	Moderate
Chemical Regulation (CR)	9.75	Higher	5.00	Moderate
Thermal Regulation (TR)	6.10	Moderate	8.42	Higher

GROUPED FUNCTIONS	REPRESENTATIVE FUNCTION	Function Group Rating	Value Group Rating
Hydrologic Function (SWS, SST, FV)	Sub/Surface Water Transfer (SST)	Higher	Higher
Geomorphic Function (SC, SM)	Sediment Continuity (SC)	Higher	Moderate
Biologic Function (MB, CMH, STS)	Sustain Trophic Structure (STS)	Higher	Higher
Water Quality Function (NC, CR, TR)	Chemical Regulation (CR)	Higher	Moderate

Formulas for each specific function and value (shown on Subscores tab) produce a numerical score between 0.0 and 10.0. For ecological functions, a score of 0.0 indicates that negligible function is being provided by the stream whereas a score of 10.0 indicates that the stream is providing maximum function (as defined) given certain contextual factors. For values, a score of 0.0 indicates that there is low opportunity for the site to provide a specific ecological function and that, even if it did, the specific function would not be of particular significance given the context of the site. Conversely, a value score of 10.0 indicates that a site has the opportunity to provide a specific function and that it would be highly significant in that particular location. For all function and value formulas, both extents of the scoring range (0.0 and 10.0) are mathematically possible.

To facilitate conceptual understanding, numerical scores are translated into ratings of Lower, Moderate, or Higher. The numerical thresholds for each of these rating categories are consistent across all functions and values such that scores of <3.0 are rated "Lower," scores ≥3.0 but ≤7.0 are rated "Moderate," and scores that are >7.0 are rated "Higher." These thresholds are consistent with the standard scoring scheme applied to all individual measures.

Each specific function, and its associated value, is included in one of four thematic groups: hydrologic, geomorphic, biologic, and water quality functions. Group ratings provide an indication of the degree to which each group of processes is present at a site. Groups are represented by the highest-rated function with the highest-rated associated value among the 2-3 functions that comprise each group. This hierarchical selection system ensures that thematic functional groups are represented by the highest-performing and highest-valued ecological function.

<b>ORWAP V.3.2 Site Name:</b>	<b>Half Mile Lane</b>
<b>Investigator Name:</b>	<b>John Gordon</b>
<b>Date of Field Assessment:</b>	<b>11/1/2018</b>
Scores will appear below after data are entered in worksheets OF, F, T, and S. See Manual for definitions and descriptions of how scores were computed and ratings assigned.	

<b>Normalized Scores &amp; Ratings for this Assessment Area (AA):</b>								
<b>Specific Functions or Values:</b>	<b>Function Score</b>	<b>Function Rating</b>	<b>Rating Break Proximity</b>	<b>Values Score</b>	<b>Values Rating</b>	<b>Rating Break Proximity</b>	<b>Function Score (raw)</b>	<b>Values Score (raw)</b>
Water Storage & Delay (WS)	4.56	Moderate	LM	0.00	Lower		4.56	0.00
Sediment Retention & Stabilization (SR)	5.73	Moderate		8.33	Higher		5.92	6.35
Phosphorus Retention (PR)	5.81	Moderate	MH	7.19	Higher		5.97	5.98
Nitrate Removal & Retention (NR)	6.32	Moderate	MH	10.00	Higher		7.03	10.00
Anadromous Fish Habitat (FA)	8.59	Higher		10.00	Higher		7.54	10.00
Resident Fish Habitat (FR)	8.63	Higher		3.55	Moderate		7.13	3.55
Amphibian & Reptile Habitat (AM)	6.04	Moderate		6.67	Moderate	MH	5.47	6.67
Waterbird Nesting Habitat (WBN)	6.69	Moderate	MH	4.50	Moderate		5.55	4.50
Waterbird Feeding Habitat (WBF)	8.34	Higher		6.25	Moderate	MH	7.52	6.25
Aquatic Invertebrate Habitat (INV)	6.11	Moderate	MH	3.56	Moderate		6.68	3.99
Songbird, Raptor, Mammal Habitat (SBM)	4.91	Moderate		5.33	Moderate		6.25	5.33
Water Cooling (WC)	9.32	Higher		6.45	Higher		8.16	6.15
Native Plant Diversity (PD)	6.88	Higher	MH	3.37	Lower	LM	6.17	3.37
Pollinator Habitat (POL)	6.48	Moderate		8.14	Higher		5.66	6.58
Organic Nutrient Export (OE)	6.36	Moderate	MH				5.63	
Carbon Sequestration (CS)	5.03	Moderate					4.63	
Public Use & Recognition (PU)				5.01	Moderate			5.40

<b>Other Attributes:</b>	<b>Score</b>	<b>Rating</b>	<b>Rating Break Proximity</b>		
Wetland Sensitivity (SEN)	3.36	Moderate			5.16
Wetland Ecological Condition (EC)	3.82	Moderate	LM		5.10
Wetland Stressors (STR)	5.65	Higher	MH		5.20

<b>GROUPS</b>	<b>Selected Function</b>	<b>Function Rating</b>	<b>Rating Break Proximity</b>	<b>Values Rating</b>	<b>Rating Break Proximity</b>
Hydrologic Function (WS)	Water Storage & Delay (WS)	Moderate	LM	Lower	
Water Quality Support (SR, PR, or NR)	Sediment Retention & Stabilization (SR)	Moderate		Higher	
Fish Habitat (FA or FR)	Anadromous Fish Habitat (FA)	Higher		Higher	
Aquatic Habitat (AM, WBF, or WBN)	Waterbird Feeding Habitat (WBF)	Higher		Moderate	MH
Ecosystem Support (WC, INV, PD, POL, SBM, or OE)	Water Cooling (WC)	Higher		Higher	

**NOTE:** A score of 0 does not always mean the function or value is absent from the wetland. It usually means that this wetland has equal or less capacity than the lowest-scoring one, for that function or value, from among the 200 calibration wetlands that were assessed previously by Oregon Department of State Lands.