

Oregon Streamflow Duration Field Assessment Form (Interim Version – March 2009)

Project # / Name		Evaluator Attended <input type="checkbox"/> Orientation <input type="checkbox"/> Field Training <input type="checkbox"/>				
Address			Date			
Waterway Name		Coordinates at downstream end (ddd.mm.ss) Lat. N Long. W				
Reach Boundaries						
Precipitation w/in 48 hours (cm)		Channel Gradient (%)		Channel Width (m)		
Observed Hydrology:	"Dry Channel"		"Wet Channel"			
	<input type="checkbox"/> Water Absent	<input type="checkbox"/> No surface flow but at least one pool present	<input type="checkbox"/> Surface flow present but not spatially continuous	<input type="checkbox"/> Continuous surface flow		
<input type="checkbox"/> Disturbed Site / Difficult Situation (Describe in "Notes")		Absent	Weak	Moderate		
		Strong				
Geomorphology	1. Continuous Bed and Bank	<input type="checkbox"/> 0	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	
	2. In-channel Structure / Organized Sequences	<input type="checkbox"/> 0	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	
	3. Soil texture or stream substrate sorting	<input type="checkbox"/> 0	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	
	4. Erosional Features	<input type="checkbox"/> Check this box if >50% of the streambed consists of exposed bedrock	<input type="checkbox"/> 0	<input type="checkbox"/> 0.5	<input type="checkbox"/> 1	<input type="checkbox"/> 1.5
	5. Depositional Features		<input type="checkbox"/> 0	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3
	6. Sinuosity	<input type="checkbox"/> 0	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	
	7. Headcuts And Grade Controls	<input type="checkbox"/> 0	<input type="checkbox"/> 0.5	<input type="checkbox"/> 1	<input type="checkbox"/> 1.5	
GEOMORPHOLOGY SUBTOTAL: _____						
Hydrology	8. Groundwater (Wet) / Hyporheic (Dry)	<input type="checkbox"/> 0	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	
	9. Springs And Seeps (Note Locations)	<input type="checkbox"/> 0	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	
	10. Evenly Disbursed Leaf Litter / Loose Debris ▼	<input type="checkbox"/> 1.5	<input type="checkbox"/> 1	<input type="checkbox"/> 0.5	<input type="checkbox"/> 0	
	11. Debris Piles And Wrack Lines	<input type="checkbox"/> 0	<input type="checkbox"/> 0.5	<input type="checkbox"/> 1	<input type="checkbox"/> 1.5	
	12. Redoximorphic Features In Toe Of Bank	<input type="checkbox"/> Absent = 0		<input type="checkbox"/> Present = 1.5		
HYDROLOGY SUBTOTAL: _____						
Biology	13. Wetland Plants In / Near Streambed	<input type="checkbox"/> FAC 0.5	<input type="checkbox"/> FACW 0.75	<input type="checkbox"/> OBL 1.5	<input type="checkbox"/> SAV 2 <input type="checkbox"/> None	
	14. Fibrous Roots / Rooted Plants In Thalweg ▼	<input type="checkbox"/> 3	<input type="checkbox"/> 2	<input type="checkbox"/> 1	<input type="checkbox"/> 0	
	15. Streamer Mosses And Algal Mats	<input type="checkbox"/> 0	<input type="checkbox"/> 0.5	<input type="checkbox"/> 1	<input type="checkbox"/> 1.5	
	16. Iron Oxidizing Bacteria, Fungus, Flocculent	<input type="checkbox"/> 0	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	
	17. Macroinvertebrates	<input type="checkbox"/> 0	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	
	18. Amphibians	<input type="checkbox"/> 0	<input type="checkbox"/> 0.5	<input type="checkbox"/> 1	<input type="checkbox"/> 1.5	
	19. Fish	<input type="checkbox"/> 0	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	
	20. Lichen Line (Arid Regions and Alpine Areas Only)	<input type="checkbox"/> 0	<input type="checkbox"/> 0.5	<input type="checkbox"/> 1	<input type="checkbox"/> 1.5	
21. Riparian Corridor (Arid Regions Only)	<input type="checkbox"/> 0	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3		
BIOLOGY SUBTOTAL: _____						
Single Indicators: <input type="checkbox"/> Fish <input type="checkbox"/> Amphibians <input type="checkbox"/> Macroinvertebrates		★ TOTAL SCORE: _____				
		Flow Duration (select only one) Ephemeral <input type="checkbox"/> Total Score < 13 Intermittent <input type="checkbox"/> Total Score ≥ 13 <u>or</u> Single Indicator Perennial <input type="checkbox"/> Total Score ≥ 25				
Note: Scoring scale is reversed for indicators marked with ▼.						

Notes (explanation of any single indicator conclusions, description of disturbances or modifications that may interfere with indicators, etc.)

Difficult Situation:

Describe situation. For disturbed streams, note extent, type, and history of disturbance.

- Prolonged Abnormal Rainfall / Snowpack
 - Below Average
 - Above Average
- Natural or Anthropogenic Disturbance
- Other: _____

Describe and Explain any Indicators of Questionable Applicability:

Other Notes (sketch of site, description of photos, depth of observed groundwater, etc.)