

U.S. LOTIC WETLAND HEALTH ASSESSMENT FOR STREAMS AND SMALL RIVERS (Survey)

Record ID No: \_\_\_\_\_

ADMINISTRATIVE DATA

Unique Location ID: \_\_\_\_\_

A1. Field data collected by: \_\_\_\_\_
A2. Funding Agency/Organization: \_\_\_\_\_
A3a. BLM State Office: \_\_\_\_\_
A3b. BLM Field Office/Field Station: \_\_\_\_\_
A3c. BLM Office Code: \_\_\_\_\_ A3d. Is the polygon in an active BLM grazing allotment? (Yes; No; NA): \_\_\_\_\_
If Yes, A3e: Allotment Number: \_\_\_\_\_ A3f: Allotment Number: \_\_\_\_\_
Allotment ID: \_\_\_\_\_ Allotment ID: \_\_\_\_\_
Allotment Name: \_\_\_\_\_ Allotment Name: \_\_\_\_\_
Management Status: \_\_\_\_\_ Management Status: \_\_\_\_\_
A4. USFWS Refuge: \_\_\_\_\_
A5. Reservation: \_\_\_\_\_
A6. NPS Park/NHS: \_\_\_\_\_
A7. USFS National Forest: \_\_\_\_\_
A8. Other Location: \_\_\_\_\_
A9. Year: \_\_\_\_\_ A10. Date Field data collected: \_\_\_\_\_ A11. Observers: \_\_\_\_\_
A12a. At least some part of this polygon has been inventoried more than once (resampled)? (Yes; No): \_\_\_\_\_
If No, go to item A13a. If Yes, A12b. This polygon coincides exactly with another inventoried polygon? (Yes; No): \_\_\_\_\_
A12c. Is this the latest inventory for this polygon? (Yes; No): \_\_\_\_\_
A12d. ID No.(s) of other inventories of this polygon: \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
A12e. Other years: \_\_\_\_\_
A12f. This polygon shares common area with other inventoried polygon(s)? (Yes; No): \_\_\_\_\_ A12g. Other years: \_\_\_\_\_
A12h. ID No.(s) of other records sharing area with this polygon: \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
A13a. Has a change in management occurred? (Yes; No): \_\_\_\_\_ If Yes, A13b. Year that changed occurred: \_\_\_\_\_
A13c. Type of management change applied: \_\_\_\_\_

LOCATION DATA

B1. State/Province: \_\_\_\_\_ B2. County/Municipal District: \_\_\_\_\_
B3. Allotment/Range Unit: \_\_\_\_\_
B4a. Area name: \_\_\_\_\_
B4b. Tributary to: \_\_\_\_\_
B4c. Group name: \_\_\_\_\_ B4d. Group number: \_\_\_\_\_ B5. Polygon number: \_\_\_\_\_
B6. Location: 1/4 1/4 Sec: \_\_\_\_\_ 1/4 Sec: \_\_\_\_\_ Sec: \_\_\_\_\_
Township (NS): \_\_\_\_\_ Range (EW): \_\_\_\_\_ B7. Elev. (ft): \_\_\_\_\_ ; (m): \_\_\_\_\_
B8a. Hydrologic unit code (HUC): \_\_\_\_\_ B8b. Sub-basin name (4th level HUC): \_\_\_\_\_
B8c. Sub-basin (sq mi): \_\_\_\_\_ ; (sq m): \_\_\_\_\_ B8d. Sub-basin (ac): \_\_\_\_\_ ; (hect): \_\_\_\_\_
B8e. Sub-basin perimeter (mi): \_\_\_\_\_ ; (m): \_\_\_\_\_
B9a. Polygon latitude/longitude coordinates: \_\_\_\_\_ GPS Projection: \_\_\_\_\_ Accuracy Initial
Deg Min Sec N/S Decimal Deg Min Sec E/W Decimal +/- ft +/- m & WPT
Upper: Lat: \_\_\_\_\_ Lon: \_\_\_\_\_
Lower: Lat: \_\_\_\_\_ Lon: \_\_\_\_\_
Other: Lat: \_\_\_\_\_ Lon: \_\_\_\_\_
B9b. Other Point
Comments: \_\_\_\_\_
B10. Quad map(s): \_\_\_\_\_

**SELECTED SUMMARY DATA**

Record ID No: \_\_\_\_\_ Unique Location ID: \_\_\_\_\_

- C1.** Wetland type: \_\_\_\_\_ **C2.** Polygon size (ac): \_\_\_\_\_ ; (hect): \_\_\_\_\_
- C3a.** Is the entire polygon an upland? (Yes; No): \_\_\_\_\_ **If No, C3b.** Does the polygon consist entirely of functional wetland types? (Yes; No): \_\_\_\_\_ **C3c.** Functional wetland (ac): \_\_\_\_\_ ; (hect): \_\_\_\_\_ **C3d.** Percent of total polygon: \_\_\_\_\_
- C4.** Does the polygon contain a defined streambank or channel? (Yes; No; NC): \_\_\_\_\_
- C5.** Channel length (mi): \_\_\_\_\_ ; (km): \_\_\_\_\_ **C6.** Number of river miles the polygon represents: (mi) \_\_\_\_\_ ; (km): \_\_\_\_\_
- C7a.** Average riparian zone width (ft): \_\_\_\_\_ ; (m): \_\_\_\_\_
- C7b.** Riparian zone width range (ft): \_\_\_\_\_ to \_\_\_\_\_ ; (m): \_\_\_\_\_ to \_\_\_\_\_

**C8. Habitat Types and Community Types**

Classification Type Name	Phase	Pct of Poly	Successional Stage or Comments
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**WATER QUALITY DATA**

- D1.** Waterbody number: \_\_\_\_\_ **D5.** Probable cause(s):  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_
- D2.** Is the waterbody a 303(d) listed impaired stream? (Yes; No) \_\_\_\_\_ Year of listing: \_\_\_\_\_
- D3.** Waterbody TMDL priority: \_\_\_\_\_
- D4.** TMDL development status: \_\_\_\_\_
- D6.** Probable impaired uses:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_
- D7.** Probable source(s):  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**PHOTOGRAPH DATA**

Unique Location ID: \_\_\_\_\_

**E1a.** Identification of photos (taken at the **Upstream** end of polygon): Roll #: \_\_\_\_\_ Photographer: \_\_\_\_\_

Photo nos.: (Upstream): _____	(DwnStream): _____	(others): _____
_____	_____	_____
_____	_____	_____
_____	_____	_____

**E1b.** Location of "other" photos: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**E1c.** Descript. of views Upstream: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(Down-stream): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(others): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**E2a.** Identification of photos (taken at **Downstream** end of polygon): Roll #: \_\_\_\_\_ Photographer: \_\_\_\_\_

Photo nos.: (Upstream): _____	(DwnStream): _____	(others): _____
_____	_____	_____
_____	_____	_____

**E2b.** Location of "other" photos: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**E1c.** Descript. of views Upstream: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(Down-stream): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(others): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**LOTIC WETLAND HEALTH ASSESSMENT SCORE SHEET**

Data Record ID: \_\_\_\_\_

Unique Location ID: \_\_\_\_\_

	Actual Score	Possible Score	Comment
1. Vegetative Cover of Floodplain and Streambanks	_____	_____	_____
2a. Total Canopy Cover of Invasive Plant Species (Weeds)	_____	_____	_____
2b. Density Distribution Pattern of Invasive Plant Species (Weeds)	_____	_____	_____

Are invasive species present? (Yes; No; NC): \_\_\_\_\_

List Invasive Plant Species present, including Percent Canopy Cover and Density Distribution Class:

	Can.Cov.	Dens.	Dist.		Can.Cov.	Dens.	Dist.		Can.Cov.	Dens.	Dist.
bluebuttons:	_____	_____	_____	Japanese brome:	_____	_____	_____	St. John's wort:	_____	_____	_____
Canada thistle:	_____	_____	_____	leafy spurge:	_____	_____	_____	sulphur cinquefoil:	_____	_____	_____
cheatgrass:	_____	_____	_____	musk thistle:	_____	_____	_____	tall buttercup:	_____	_____	_____
common burdock:	_____	_____	_____	orange hawkweed:	_____	_____	_____	teasel:	_____	_____	_____
common cuprina:	_____	_____	_____	oxeye daisy:	_____	_____	_____	whitetop:	_____	_____	_____
common hound's-tongue:	_____	_____	_____	perennial pepperweed:	_____	_____	_____	yellow iris:	_____	_____	_____
common tansy:	_____	_____	_____	purple loosestrife:	_____	_____	_____	yellow starthistle:	_____	_____	_____
dalmatian toadflax:	_____	_____	_____	Russian knapweed:	_____	_____	_____	yellow toadflax:	_____	_____	_____
diffuse knapweed:	_____	_____	_____	Russian olive:	_____	_____	_____	Others: _____	_____	_____	_____
Dyer's woad:	_____	_____	_____	saltcedar (tamarisk):	_____	_____	_____	Others: _____	_____	_____	_____
field bindweed:	_____	_____	_____	Scotch thistle:	_____	_____	_____				
field sow thistle:	_____	_____	_____	spotted knapweed:	_____	_____	_____				

3. Disturbance-increaser Undesirable Herbaceous Species	_____	_____	_____
4. Preferred Tree and Shrub Species Establishment and/or Regeneration	_____	_____	_____
5a. Browse Util. of Preferred Trees and Shrubs	_____	_____	_____
5b. Woody Veg. Removal other than Browsing	_____	_____	_____
6. Standing Decadent and Dead Woody Material	_____	_____	_____
<b>Vegetation Subtotal:</b>	_____	_____	_____
7. Streambank Root Mass Protection	_____	_____	_____
8. Human-Caused Bare Ground	_____	_____	_____
9. Streambank Structurally Altered by Human Activity	_____	_____	_____
10. Human Physical Alteration to the Rest of the Polygon	_____	_____	_____
11. Stream Channel Incisement (Vertical Stability)	_____	_____	_____
<b>Soil / Hydrology Subtotal:</b>	_____	_____	_____

**Overall Polygon Total:** \_\_\_\_\_

**RATING CALCULATION**

(Actual Score/Possible Score) X 100 = Rating Percent

Descriptive Category

Vegetation Rating: \_\_\_\_\_ / \_\_\_\_\_ x 100 = \_\_\_\_\_

Soil / Hydrology: \_\_\_\_\_ / \_\_\_\_\_ x 100 = \_\_\_\_\_

**OVERALL:** \_\_\_\_\_ / \_\_\_\_\_ x 100 = \_\_\_\_\_

Rating Percent Range	Descriptive Category
80-100	Proper Functioning Condition (Healthy)
60-79	Functional At Risk (Healthy, but with Problems)
<60	Nonfunctional (Unhealthy)

12. Polygon trend (Is the polygon: Improving, Degrading, Static, or Status Unknown?): \_\_\_\_\_

