

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: _____ Allotment ID: _____ Allotment Name: _____ Management Status: _____
A3f: Allotment Number: _____ Allotment ID: _____ Allotment Name: _____ 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: _____
Deg Min Sec N/S Decimal Deg Min Sec E/W Decimal Accuracy Initial
+/- 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: _____
- D2.** Is the waterbody a 303(d) listed impaired stream? (Yes; No) _____ Year of listing: _____
- D3.** Waterbody TMDL priority: _____
- D4.** TMDL development status: _____
- D5.** Probable cause(s):

- 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	_____	_____	_____

Vegetation Subtotal: _____

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)	_____	_____	_____

Soil / Hydrology Subtotal: _____

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)

