

U.S. LOTIC WETLAND HEALTH ASSESSMENT FOR LARGE RIVER SYSTEMS (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

Unique Location ID: _____ Record ID No: _____

C1. Wetland type: _____ **C2.** Polygon size (ac): _____ ; (hect): _____

C3a. Is the entire polygon 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. Channel length (mi): _____ ; (km): _____ **C5.** Number of river miles the polygon represents: _____ ; (km): _____

C6a. Average polygon width (ft): _____ ; (m): _____

C6b. Polygon width range (ft): _____ to _____ ; (m): _____ to _____

C7. Habitat Types and Community Types

Classification Type Name	Phase	Percent of Polygon	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):

ADDITIONAL PHYSICAL SITE CHARACTERISTICS

D8. Polygon Has Tall Woody Type(s) (Yes, No): _____

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. Description of views Upstream: _____

(Downstream): _____

(others): _____

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

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

E2b. Location of "other" photos: _____

E2c. Description of views Upstream: _____

(Downstream): _____

(others): _____

RIVER HEALTH EVALUATION

Record ID No: _____

Unique Location ID: _____

	Actual Score	Possible Score	Comment
1. Cottonwood and Poplar Regeneration from seed	_____	_____	_____
2. Regeneration of other Native Tree Species	_____	_____	_____
3. Regeneration of Preferred Shrub Species	_____	_____	_____
4. Standing Decadent and Dead Woody Material	_____	_____	_____
5a. Browse Util. of Preferred Trees and Shrubs	_____	_____	_____
5b. Woody Veg. Removal other than Browsing	_____	_____	_____
6. Total Canopy Cover of Woody Species	_____	_____	_____
7a. Total Canopy Cover of Invasive Plant Species	_____	_____	_____
7b. Density/Distribution Pattern of Invasive Plant Species	_____	_____	_____

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:	_____	_____	_____				

8. Disturbance-increaser Undesirable Herbaceous Species _____

Vegetation Subtotal: _____

RIVER HEALTH EVALUATION (continued)

- 9. Riverbank Root Mass Protection _____
- 10. Human-Caused Bare Ground _____
- 11. Removal or Addition of Water from/to the River System _____
- 12. Control of Flood Peak and Timing by Upstream Dam(s) _____
- 13. Riverbanks Structurally Altered By Human Activity _____
- 14. Human Physical Alteration to the Rest of the Polygon _____
- 15. Floodplain Accessibility within the Polygon _____

Soil / Hydrology Subtotal: _____

Overall Polygon Total: _____

RATING CALCULATION

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

Vegetation Rating: _____ / _____ x100 = _____

Soil / Hydrology: _____ / _____ x100 = _____

OVERALL: _____ / _____ x100 = _____

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

