U. S. LOTIC WETLAND ECOLOGICAL HEALTH ASSESSMENT

(Derived from U.S. Lotic Wetland Inventory Data)

Record ID No: _____

ADMINISTRATIVE DATA

Unique Location ID: _____ Reach 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/Management unit: _____

B4a. Area name: _____

B4b. Tributary to: _____

B4c. Group name: _____ **B4d.** Group number: _____ **B5.** Polygon number: _____

B6a. Upper end elevation (ft): _____ ; (m): _____ **B6b.** Lower end elevation (ft): _____ ; (m): _____

B7. Stream gradient (percent): _____ %

B8a. Polygon latitude/longitude coordinates: GPS Projection: _____

	Deg	Min	Sec	N/S	Decimal		Deg	Min	Sec	E/W	Decimal	Accuracy +/- ft	Observer Initial +/- m & WPT
Upper: Lat:	____	____	_____	_____	_____	Lon:	____	____	_____	_____	_____	____	____ _____
Lower: Lat:	____	____	_____	_____	_____	Lon:	____	____	_____	_____	_____	____	____ _____
Other: Lat:	____	____	_____	_____	_____	Lon:	____	____	_____	_____	_____	____	____ _____

B8b. Other Point Comments: _____

_____

B9. Hydrologic unit code(s) (HUC) from the USGS National Hydrography Dataset (NHD):   Record ID No: _____

HUC LEVELS: Region (2 digits; First Level HUC); Subregion (4 digits; Second Level HUC); Basin (6 digits; Third Level HUC); Subbasin (8 digits; Fourth Level HUC); Watershed (10 digits; Fifth Level HUC); and Subwatershed (12 digits; Sixth Level HUC)

HUC #1: _____	HUC #2: _____
River Miles: _____	River Miles: _____
Percent of Stream Reach: _____	Percent of Stream Reach: _____
Region Name: _____	Region Name: _____
square miles: _____	square miles: _____
Subregion Name: _____	Subregion Name: _____
square miles: _____	square miles: _____
Basin Name: _____	Basin Name: _____
square miles: _____	square miles: _____
Subbasin Name: _____	Subbasin Name: _____
square miles: _____	square miles: _____
Watershed Name: _____	Watershed Name: _____
square miles: _____	square miles: _____
Subwatershed Name: _____	Subwatershed Name: _____
acres: _____	acres: _____

HUC #3: _____	HUC #4: _____
River Miles: _____	River Miles: _____
Percent of Stream Reach: _____	Percent of Stream Reach: _____
Region Name: _____	Region Name: _____
square miles: _____	square miles: _____
Subregion Name: _____	Subregion Name: _____
square miles: _____	square miles: _____
Basin Name: _____	Basin Name: _____
square miles: _____	square miles: _____
Subbasin Name: _____	Subbasin Name: _____
square miles: _____	square miles: _____
Watershed Name: _____	Watershed Name: _____
square miles: _____	square miles: _____
Subwatershed Name: _____	Subwatershed Name: _____
acres: _____	acres: _____

HUC #5: _____	HUC #6: _____
River Miles: _____	River Miles: _____
Percent of Stream Reach: _____	Percent of Stream Reach: _____
Region Name: _____	Region Name: _____
square miles: _____	square miles: _____
Subregion Name: _____	Subregion Name: _____
square miles: _____	square miles: _____
Basin Name: _____	Basin Name: _____
square miles: _____	square miles: _____
Subbasin Name: _____	Subbasin Name: _____
square miles: _____	square miles: _____
Watershed Name: _____	Watershed Name: _____
square miles: _____	square miles: _____
Subwatershed Name: _____	Subwatershed Name: _____
acres: _____	acres: _____

SELECTED SUMMARY DATA

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	Approx. Percent of Polygon	Successional Stage or Comments
_____	_____	_____	_____
_____			_____
_____			

LOTIC WETLAND ECOLOGICAL HEALTH ASSESSMENT SCORE SHEET
(Derived from the U.S. Lotic Wetland Inventory Data)

Record ID No: _____

Unique Location ID: _____

	Actual Score	Possible Score
1. Vegetative Cover of Floodplain and Streambanks (D12)	_____	_____
2a. Total Canopy Cover of Invasive Plant Species (Weeds) (D13c)	_____	_____
2b. Density Distribution Pattern of Invasive Plant Species (Weeds) (D13c)	_____	_____

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.
black henbane:	field scabiosa:	prickly Russian thistle:
broadleaved pepperweed:	field sowthistle:	purple loosestrife:
bull thistle:	flowering-rush:	Russian knapweed:
burningbush:	Fuller's teasel:	Russian olive:
butter and eggs:	houndstongue:	saltcedar (tamarisk):
Canada thistle:	leafy spurge:	Scotch cottonthistle:
cheatgrass:	lesser burdock:	spotted knapweed:
common tansy:	medusahead:	St. John's wort:
Dalmatian toadflax:	musk thistle:	sulphur cinquefoil:
diffuse knapweed:	North Africa grass:	tall buttercup:
Dyer's woad:	orange hawkweed:	whitetop:
field bindweed:	oxeye daisy:	yellow starthistle:
field brome:	paleyellow iris:	

	Actual Score	Possible Score
3. Disturbance-Increaser Undesirable Herbaceous Species (D14b)	_____	_____
4. Preferred Tree and Shrub Establishment and/or Regeneration (D2 and D6c)	_____	_____
5a. Browse Util. of Preferred Trees and Shrubs (D5a and D6c)	_____	_____
5b. Live Woody Veg. Removal other than Browsing (D6g)	_____	_____
6. Standing Decadent and Dead Woody Material (D2b and D6c)	_____	_____
Vegetation Subtotal:	_____	_____
7. Streambank Root Mass Protection (F7)	_____	_____
8. Human-Caused Bare Ground (F17c)	_____	_____
9. Streambank Structurally Altered by Human Activity (F6b)	_____	_____
10. Human Physical Alteration to the Rest of the Polygon (F24b)	_____	_____
11. Stream Channel Incisement (Vertical Stability) (F16)	_____	_____
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)*

Streambank Susceptibility Rating— using the streambank rock volume and streambank rock size criteria, indicate the appropriate choice (well armored; susceptible to degradation; highly susceptible to degradation):

_____

Polygon trend: (Improving; Degrading; Static; Status Unknown): _____

Record ID No: _____

Unique Location ID: _____

D18. Explain trend description and give other vegetation comments:

F28. Physical site comments (Summarizing characteristics or problems not evident from the data collected. Included are topics related to any of the optional data. Consider current and historic attributes resulting from human-caused and natural processes.):

F29. Detailed description of upper and lower ends of the polygon: