

U.S. LENTIC WETLAND INVENTORY FORM

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: _____ Observer

Upper: Lat: _____ Deg Min Sec N/S Decimal Lon: _____ Deg Min Sec E/W Accuracy Initial

Lower: Lat: _____ Lon: _____ +/- ft +/- m & WPT

Other: Lat: _____ Lon: _____

B9b. Other Point Comments: _____

B10. Quad map(s): _____

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 area (ac): _____ ; (hect): _____ **C3d.** Percent of total polygon: _____
C4. Does the polygon contain a defined shoreline? (Yes; No; NC): _____
C5. Polygon length (mi): _____ ; (km): _____ **C6.** Number of miles the polygon represents: _____ ; (km): _____
C7a. Average riparian zone width (ft): _____ ; (m): _____
C7b. Riparian zone width range (ft): _____ to _____ ; (m): _____ to _____

Health Assessment Summary

- C8.** Polygon Health: _____ Rating Percent (%) _____ Descriptive Category: _____
 Vegetation: _____
 Soil / Hydrology: _____
OVERALL: _____

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

VEGETATION DATA

- D1a.** Wetland prevalence index: _____
D1b. Vegetation structural diversity: _____

Trees

- D2a.** Are trees present? (Yes; No): _____ **D2b.** Tree species by canopy cover (%) and percent age group (%)
- | SPECIES | COV (%) | SDLG/DEC | SPLG/DEC | POLE/DEC | MAT/DEC | DEAD |
|---------|---------|----------|----------|----------|---------|------|
|---------|---------|----------|----------|----------|---------|------|

SPECIES	D3. Regen. Category	D4. Age Group Dist. Category	D5a. Sdlg/Splg Browse Utilization	D5b. Browse Architecture Type	D5c. Browse Intensity
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- D5d.** Cottonwood/poplar regeneration by seed vs. root suckering (asexual). Record the percent for each (must total 100%; NA = Not Applicable):
- | Species | Seed | Suckering | Species | Seed | Suckering | Species | Seed | Suckering |
|---------|-------|-----------|---------|-------|-----------|---------|-------|-----------|
| POPANG | _____ | _____ | POPBAL | _____ | _____ | POPDEL | _____ | _____ |

Shrubs

Record ID No: _____

Unique Location ID: _____

D6a. Are shrubs present? (Yes; No): _____

D6b. Does the polygon have potential for preferred woody species ? (Yes; No; NC): _____

D6c. Shrub species canopy cover (%), age/size groups (%), and utilization

D6d. Shrub
Growth Form
(N,F,U,C)

D6e. Browse
Architecture
Type

D6f. Browse
Intensity

SPECIES COV (%) SDLG-SPLG/UTIL MATURE/UTIL DEC-DEAD/UTIL

D6g. Tree **AND** shrub removal by other than browse: None (0-5%); Light (6-25%); Moderate (26-50%); Heavy (>50%); NA; NC: _____

D6h. Basis of Call: _____

D7. Graminoids _____ Graminoids present? (Yes; No): _____

SPECIES COV (%) SPECIES COV (%) SPECIES COV (%)

D8. Forbs Forbs present? (Yes; No): _____
 SPECIES COV (%) SPECIES COV (%)

Record ID No: _____
 Unique Location ID: _____

Weed Data

D13a. Are invasive species present? (Yes; No; NC): _____

If **Yes, D13b.** Enter the canopy cover and the density/distribution class for each of the following invasive species:

	Cover	
	Canopy (New Way)	Density/Distribut. Class
bluebuttons (KNAARV):	_____	_____
Canada thistle (CIRARV):	_____	_____
cheatgrass (BROTEC):	_____	_____
common burdock (ARCMIN):	_____	_____
common cuprina (CRUVUL):	_____	_____
common hound's-tongue (CYNOFF):	_____	_____
common tansy (TANVUL):	_____	_____
dalmatian toadflax (LINDAL):	_____	_____
diffuse knapweed (CENDIF):	_____	_____
Dyer's woad (ISATIN):	_____	_____
field bindweed (CONARV):	_____	_____
field sow thistle (SONARV):	_____	_____
Japanese brome (BROJAP):	_____	_____
leafy spurge (EUPESU):	_____	_____
musk thistle (CARNUT):	_____	_____
orange hawkweed (HIEAUR):	_____	_____
oxeye daisy (CHRLEU):	_____	_____
perennial pepperweed (LEPLAT):	_____	_____
purple loosestrife (LYTSAL):	_____	_____
Russian knapweed (CENREP):	_____	_____
Russian olive (ELAANG):	_____	_____
saltcedar (tamarisk) (TAMARI):	_____	_____
Scotch thistle (ONOACA):	_____	_____
spotted knapweed (CENMAC):	_____	_____
St. John's wort (HYPPER):	_____	_____
sulphur cinquefoil (POTREC):	_____	_____
tall buttercup (RANACR):	_____	_____
teasel (DIPFUL):	_____	_____
whitetop (CARDRA):	_____	_____
yellow iris (IRIPSE):	_____	_____
yellow starthistle (CENSOL):	_____	_____
yellow toadflax (LINVUL):	_____	_____
Others: _____	_____	_____
Others: _____	_____	_____

D9. Plant Group by Canopy Cover (%)

Layer	Trees	Shrubs	Graminoids	Forbs
3 (>6.0 ft):	_____	_____	_____	_____
2 (>1.5 - 6.0 ft):	_____	_____	_____	_____
1 (0 - 1.5 ft):	_____	_____	_____	_____

D13c. Cumulative totals for all invasive species:

Cover	Density/Distribution Class
Canopy (New Way)	
_____	_____

D10. Total canopy cover (%) by lifeform:

Trees: _____ Shrubs: _____
 Graminoids: _____ Forbs: _____

D11. Total canopy cover (%) by woody species: _____

D12. Total canopy cover (%) by all plant lifeforms: _____

D14a. Are undesirable herbaceous species present?

Yes; No; NC): _____

If **Yes, D14b.** Record the combined canopy cover (%) of all undesirable herbaceous species observed: _____

PHYSICAL SITE DATA

Unique Location ID: _____ Record ID No: _____

F1. Estimate the polygon breakdown into these NWI classes: Emergent: _____ Scrub/shrub: _____ Forested: _____

F2. What is the primary water source on the polygon? (Perennial stream, Overland surface flow, Springs/seeps, Topographic contact with groundwater table, Unknown, Other): _____

Explain Other: _____

F3. Is the water body in a closed basin with no outlet? (Yes, No, NA, NC): _____

F4. Describe the water chemistry (Alkaline/Saline; Fresh, Unknown, NC): _____

F5a. Degree of artificial change of water level (Not Subjected, Minor, Moderate, Extreme, NC): _____

F5b. Basis of call: _____

F6a. Is there an overflow structure? (Yes, No, NA, NC): _____ If **Yes**, answer **F6b, c**; otherwise go to **F7a**.

F6b. Indicate type (Concrete, Pipe, Rock Armored, Unprotected, Other): _____

Explain "Other": _____

F6c. Does the overflow structure appear stable? (Yes, No, NA, NC): _____ Stability Category: _____

Explain: _____

F6d. Location of overflow structure on waterbody: _____

F7a. Does the polygon contain a defined shoreline? (Yes; No; NC): _____

If **Yes**, **F7b.** Are shoreline mineral substrates visible? (Yes; No): _____

If **F7b Yes**, **F7c.** Give the percent (%) of each size (must approx. 100%):

_____ >20 inches (Medium Boulders +)	_____ 2.5 - 5 inches (Small Cobbles)	_____ 0.062 mm - 2 mm (Sand)
_____ 10 - 20 inches (Small Boulders)	_____ 0.6 - 2.5 inches (Coarse Gravel)	_____ <0.062 mm (Silt and Clay)
_____ 5 - 10 inches (Large Cobbles)	_____ 0.08 inches - 0.6 inches (Fine Gravel)	

F8. Percent of polygon with deep, binding root mass (0-35%; 36-65%; 66-85%; over 85%; NC): _____

F9. Is there alteration of the polygon vegetation by human activities (Yes; No; NC)? _____

F9a. What percent of the polygon vegetation has been altered by human activities? _____

F9b. Breakdown the causes of human-caused alteration to the polygon vegetation (must approx. 100%):

_____ Grazing	_____ Timber Harvest	_____ Cottage or Urban Devel.	_____ Recreation
_____ Cultivation	_____ Mining	_____ Construction	_____ Other

Explain "Other": _____

F9c. Breakdown the kinds of human-caused alteration to the polygon vegetation (must approx. 100%):

_____ Clearing	_____ Replace Native to Non-native Species	_____ Other
_____ Replace Tall to Short	_____ Replace Woody to Herbaceous	

Explain "Other": _____

F9d. Comment on the nature and extent of human-caused alteration to the vegetation:

F10. Is there physical alteration of the polygon by human activities (Yes; No; NC)? _____ **If No**, go to **F10d**

F10a. Percent of polygon physically altered by human activities (aside from the vegetation)? _____

F10b. Breakdown the causes of human-caused alteration to the physical polygon site (must approx. 100%):

_____ Grazing	_____ Timber Harvest	_____ Cottage or Urban Devel.	_____ Recreation	_____ Other Kinds
_____ Cultivation	_____ Mining	_____ Construction	_____ Water Management	

Explain "Other": _____

F10c. Breakdown the kinds of human-caused alteration to the physical polygon site (must approx. 100%):

_____ Soil Compaction (hum-pug, trails, paths, wallows, etc.)	_____ Hydrologic change (ditching, draining, flooding, etc.)	
_____ Human Impervious surface (pavement, roofs, walks, etc.)	_____ Topographic change (Landscaping)	
_____ Bank alteration (hoof shear, riprap, berms, etc.)	_____ Plowing/tilling	_____ Other

Explain "Other": _____

F10d. Choose a category to describe the severity of the alteration recorded in F9a. (None, Slight, Moderate, Severe): _____

F10e. Comment on any odd or unusual aspect of human-caused alteration to the physical polygon:

PHOTOGRAPH DATA

Unique Location ID: _____

G1a. Identification of photos (taken at the *north or west* end of polygon): _____ Photographer: _____

Photo nos.: (north/west): _____	(south/east): _____	(others): _____
_____	_____	_____
_____	_____	_____
_____	_____	_____

G1b. Location of all photos: _____

G1c. Descript. of views north/west: _____

(south/east): _____

(others): _____

G2a. Is there an adjacent polygon *north/west*? (Yes; No): _____

G2b. Is there an adjacent polygon *south/east*? (Yes; No): _____

G3a. Identification of photos (taken at *south or east* end of polygon): Roll #: _____ Photographer: _____

Photo nos.: (north/west): _____	(south/east): _____	(others): _____
_____	_____	_____
_____	_____	_____
_____	_____	_____

G3b. Location of all photos: _____

G3c. Descript. of views north/west: _____

(south/east): _____

(others): _____

ADDITIONAL DATA

Unique Location ID: _____ Record ID No: _____

H1. Vegetative use by animals (0-25%; 26-50%; 51-75%; 76-100%): _____

H2. Adjacent uplands (Agriculture; Grassland; Shrubland; Forest; or Other): _____

H3a. Break down the polygon area into the land uses listed (must total to approx. 100%):

H3b. Break down the area adjacent to the polygon into the land uses listed (must total to approx. 100%):

No land use apparent: _____

No land use apparent: _____

Turf grass (lawn): _____

Turf grass (lawn): _____

Tame pasture (grazing): _____

Tame pasture (grazing): _____

Native pasture (grazing): _____

Native pasture (grazing): _____

Recreation (ATV paths, campsites, etc.): _____

Recreation (ATV paths, campsites, etc.): _____

Development (buildings, corrals, paved lots, etc.): _____

Development (buildings, corrals, paved lots, etc.): _____

Tilled cropping: _____

Tilled cropping: _____

Perennial forage (e.g., alfalfa hayland): _____

Perennial forage (e.g., alfalfa hayland): _____

Roads: _____

Roads: _____

Logging: _____

Logging: _____

Mining: _____

Mining: _____

Railroads: _____

Railroads: _____

Description of Other Usage Noted: Other: _____

Description of Other Usage Noted: Other: _____

H4a. Were Category 2 (T & E) plant species observed? (Yes; No): _____ If **Yes, H4b.** Species: _____

H4c. Location(s): _____

H5. Percent of shore accessible to livestock: _____

H6a. Has the shoreline configuration been modified by construction? (Yes; No; NC): _____

If **Yes, H6b.** How much of the shoreline length is modified (%)? _____

H6c. What part resulted from the various sources: (must approx. 100%)

Dikes _____

Road Construction _____

Railroads _____

Berms _____

Water Diversion Structures _____

Mining _____

Dams _____

Vegetation Removal _____

Bridges _____

Rip-rap _____

Channelization _____

Logging _____

Other _____

Explain "Other": _____

H6d. Location(s): _____

WILDLIFE DATA

Record ID No: _____

Beaver Data

Unique Location ID: _____

H7a. Is there evidence of beaver in the polygon? (Yes; No; NC) _____

If **Yes, H7b.** (Active; Inactive): _____ **H7c.** Describe the type and amounts of beaver activity observed:

H7d. Number of beaver dams and lodges observed: _____

H7e. Level of beaver activity (number of stems chewed) (1-25; 26-100; over 100; NC): _____

H7f. How many beavers were observed? _____

Where? _____

Waterfowl Data

H8a. Were waterfowl nests or broods observed? (Yes; No; NC): _____

If **Yes, H8b.** Describe: _____

Fishery Data

H9a. Does the polygon contain a fishery? (Yes; No; Unknown): _____

If **Yes, H9b.** Is it a sport fishery, non-sport fishery, or unknown: _____

H9c. Fish types present, if known (use common names or descriptions): _____

H9d. How many fish were observed? (0; 1-10; 11-50; >50): _____

H9e. If the polygon does not contain a fishery, is there potential for one? (Yes; No; Unknown): _____

Explain: _____

Amphibian and Reptile Data

H10a. Were amphibians observed? (Yes; No; NC): _____

If **Yes, H10b.** Number observed: Frogs: _____ Toads: _____ Salamanders: _____

H11a. Were reptiles observed? (Yes; No; NC): _____

If **Yes, H11b.** Number observed: Snakes: _____ Turtles: _____ Lizards: _____

H12. List amphibian or reptile species and the quantity of each identified in the polygon.

Spp. #1: _____ No.: _____ Loc.: _____

Spp. #2: _____ No.: _____ Loc.: _____

Spp. #3: _____ No.: _____ Loc.: _____

Spp. #4: _____ No.: _____ Loc.: _____

Threatened and Endangered Species Data

H13a. Were T & E animal species observed? (Yes; No; NC): _____

If **Yes, H13b.** What species? Peregrine Falcon: _____ Bald Eagle: _____ Bull Trout: _____

Peregrine Falcon Nest: _____ Bald Eagle Nest: _____

H13c. Other species observed?

Species	Number	Species	Number
_____	_____	_____	_____
_____	_____	_____	_____

H13d. Location in polygon where T & E animals or nests were sighted:
