

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?
A3e. Allotment Number:
A3f. Allotment Number:
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)?
A12b. This polygon coincides exactly with another inventoried polygon?
A12c. Is this the latest inventory for this polygon?
A12d. ID No.(s) of other inventories of this polygon:
A12e. Other years:
A12f. This polygon shares common area with other inventoried polygon(s)?
A12g. Other years:
A12h. ID No.(s) of other records sharing area with this polygon:
A13a. Has a change in management occurred?
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:
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:
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: _____

<i>Rating Percent Range</i>	<i>Descriptive Category</i>
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 | _____ | _____ |

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Shrubs

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/Distrib. 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):	_____	_____
whiteweed (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:
