U.S. LOTIC WETLAND INVENTORY FORM

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	Accuracy +/- m	Observer Initial & 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: _____
River Miles: _____
Percent of Stream Reach: _____
Region Name: _____
square miles: _____
Subregion Name: _____
square miles: _____
Basin Name: _____
square miles: _____
Subbasin Name: _____
square miles: _____
Watershed Name: _____
square miles: _____
Subwatershed Name: _____
acres: _____

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

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

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

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

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

SELECTED SUMMARY DATA Unique Location ID: _____ Record ID No: _____

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 _____

C8a. Was the Pfankuch rating used? (Yes; No): _____ If ***Yes,*** **C8b.** Pfankuch Score: _____

Health Assessment Summary

C9. Polygon Health:	Rating Percent (%)	Descriptive Category:
Vegetation:	_____	_____
Soil / Hydrology:	_____	_____
OVERALL:	_____	_____

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

VEGETATION DATA

D1a. ACOE US Wetland Region: _____ **D1b.** Wetland prevalence index: _____

D1c. 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

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	Species	Seed	Suckering
POPANG			POPBAL			POPDEL			POPFRE		

Record ID No: _____

Unique Location ID: _____

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

SPECIES	COV (%)	SDLG-SPLG/UTIL		MATURE/UTIL		DEC-DEAD/UTIL		**D6d.** Shrub Growth Form (N,F,U,C)	**D6e.** Browse Architecture Type	**D6f.** Browse Intensity

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 (%)

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):				

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: _____

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:

	Canopy Cover	Density/ Distribut. Class
black henbane (HYONIG):		
broadleaved pepperweed (LEPLAT):		
bull thistle (CIRVUL):		
burningbush (KOCSCO):		
butter and eggs (LINVUL):		
Canada thistle (CIRARV):		
cheatgrass (BROTEC):		
common tansy (TANVUL):		
Dalmatian toadflax (LINDAL):		
diffuse knapweed (CENDIF):		
Dyer's woad (ISATIN):		
field bindweed (CONARV):		
field brome (BROJAP):		
field scabiosa (KNAARV):		
field sowthistle (SONARV):		
flowering-rush (BUTUMB):		
Fuller's teasel (DIPFUL):		
houndstongue (CYNOFF):		
leafy spurge (EUPESU):		
lesser burdock (ARCMIN):		
medusahead (TAECAP):		
musk thistle (CARNUT):		
North Africa grass (VENDUB):		
orange hawkweed (HIEAUR):		
oxeye daisy (LEUVUL):		
paleyellow iris (IRIPSE):		
prickly Russian thistle (SALTRA):		
purple loosestrife (LYTSAL):		
Russian knapweed (ACRREP):		
Russian olive (ELAANG):		
saltcedar (tamarisk) (TAMARI):		
Scotch cottonthistle (ONOACA):		
spotted knapweed (CENMAC):		
St. John's wort (HYPPER):		
sulphur cinquefoil (POTREC):		
tall buttercup (RANACR):		
whitetop (LEPDRA):		
yellow starthistle (CENSOL):		

D13c. Percent of polygon covered by invasive species:

Canopy Cover	Density/ Distribution Class

D14a. Are undesirable herbaceous species present? Yes; No; NC): _____

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

D15. Habitat Types and Community Types

Record ID No: _____

Unique Location ID: _____

Classification Type Name	Phase	Approx. Percent of Polygon	Successional Stage or Comments

D16a. Is there evidence that part, or all, of the polygon has burned (e.g., charred wood, dead standing trees or shrubs, etc.)? (Yes; No; NC): _____

If ***Yes,*** **D16b.** Approx. how long ago? (0 to 5 years ago; more than 5 years ago): _____

D16c. Percent of polygon that was burned? (0-25%; 26-50%; 51-75%; 76-100%): _____

D17. Polygon trend: Improving; Degrading; Static; or Status Unknown? _____

D18. Explain trend description and give other vegetation comments:

PHYSICAL SITE DATA Unique Location ID: _____ Record ID No: _____

F1. Does the polygon contain a stream bank or channel bottom? (Yes; No; NC): _____ If ***No,*** go to item **F17a.**

F2a. Is the channel bottom visible? (Yes; No; NC): _____

If ***Yes,*** **F2b.** Give the percent breakdown of particle sizes (must approx. 100%):

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

F3a. Are bank materials visible? (Yes; No; NC): _____

If ***Yes,*** **F3b.** Give the percent breakdown of particle sizes (must approx. 100%):

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

F4a. Is there active lateral cutting of stream? (Yes; No; NC): _____ If ***Yes,*** **F4b.** How much of the stream length (%): _____

F5. Percent of the total bank length unstable (0-5%; 6–25%; 26–50%; over 50%; NC): _____

F6a. Is the streambank altered by on-site human activities? (Yes; No; NC): _____

If ***Yes,*** **F6b.** Percent (%) of the bank length that has human-caused alterations? _____

F6c. Of this, how much resulted from these causes: (must approx. 100%)

_____ Grazing _____ Mining _____ Construction _____ Other
_____ Cultivation _____ Timber Harvest _____ Recreation

Explain "other": _____

F6d. Distribute the total streambank alteration among these kinds: (must approximate 100%)

_____ Hoof shear/trampling _____ Roads/RR _____ Berms _____ Other
_____ Veg removal _____ Trails _____ Riprap

Explain "other": _____

F7. Percent of the streambanks with deep, binding root mass (0-35%; 36–65%; 66–85%; over 85%; NC): _____

F8. Percent of polygon with sufficient fine material to hold water and act as a rooting medium (0-35%; 36–65%; 66–85%; over 85%; NC): _____

F9. Rosgen stream types recorded and the percent of the stream length accounted for by each:

Stream Type 1: _____ / _____ Stream Type 2: _____ / _____ Stream Type 3: _____ / _____ Stream Type 4: _____ / _____

F10a. Do available maps accurately represent sinuosity of the stream? (Yes; No; NA; NC): _____

If ***No,*** **F10b.** Determine sinuosity in the field; If **Yes,** determine sinuosity in the office from topo map: _____

F11. Average non-vegetated stream channel width: (ft) _____ ; (m): _____

F12. Stream gradient (percent): _____

F13a. Active downcutting of the stream? (Yes; No; NC): _____ If ***Yes,*** **F13b.** Percent (%) of stream actively downcutting: _____

F14a. Headcuts present? (Yes; No; NC): _____ If ***Yes,*** **F14b.** No. of headcuts: _____ **F14c.** Average headcut height (ft): _____

F14d. Location of headcut(s): _____

F15a. Is the stream channel braided (has multiple active channels during normal flows)? (Yes; No; NC): _____

If ***Yes,*** **F15b.** Percent of the stream channel that is braided: _____

F16. Indicate the best description of channel incisement (None; Slight; Moderate; Severe): _____

F17a. Is there exposed soil surface (bare ground)? (Yes; No; NC): _____ If ***No*** or ***NC,*** go to item **F18.**

F17b. Percent (%) of the polygon which is exposed soil surface (bare ground): _____

F17c. Of this, how much is due to natural processes: _____ Human-caused disturbance: _____ (must approx. 100%)

F17d. Within *each category (natural & human-caused), how much resulted from the listed proces*s

NATURAL PROCESSES *(must approx. 100%)*

_____ Erosional _____ Type Dependent
_____ Depositional _____ Saline/Alkaline
_____ Wildlife Use _____ Within Veg. Channel Bottoms
_____ Other

HUMAN-CAUSED PROCESSES *(must approx. 100%)*

_____ Grazing _____ Construction
_____ Timber Harvest _____ Mining
_____ Recreation _____ Other

Explain "Other": _____

Record ID No: _____

F18. Total plant canopy cover (*from D12*): _____ Total bare ground (*from F17b*): _____

F19. Non-vegetated (i.e., vascular plant) ground cover.

Rocks (>2.5 in.): _____ Moss: _____ Litter/Duff: _____ Wood: _____ Human Imperv. Surf.: _____

F20. Are channel point bars revegetating? (Yes; No; NA; NC): _____

F21a. Are side drainages and hillslopes ***not*** contributing to degradation of the system? (Yes; No; NA; NC): _____

If ***No,*** **F21b.** Human-caused? (Yes; No; NA; NC): _____ Causes: _____

F21c. Natural cause? (Yes; No; NA; NC): _____ Major soil parent material: _____

F22. Is there a nearby source ***on the system*** for large woody debris to enter the stream? (Yes; No; NA; NC): _____

F23. Is the average riparian zone widening, or has achieved potential extent? (Yes; No; NA; NC): _____

F24. Sinuosity, width/depth ratio, and gradient are in balance with the landscape setting? (Yes; No; NA; NC): _____

F25a. Is the polygon away from the streambank physically altered? (Yes; No; NC): _____ If ***Yes,*** **F25b.** What percent? _____

F25c. Of this, how much resulted from these causes: (must approximate 100%)

_____ Grazing _____ Timber Harvest _____ Construction _____ Other

_____ Cultivation _____ Mining _____ Recreation

F25a-d *Collected only as HummocksPugging prior to 2005*

Explain Other: _____

F25d. Distribute the total polygon non-streambank alteration among these kinds: (must approximate 100%)

_____ Soil Compaction _____ Hydrologic Change _____ Topographic Change _____ Other

_____ Plowing/tilling _____ Roads/RRs _____ Impervious Surfaces

Explain Other: _____

F26a. Animal-caused pugging and/or hummocks present? (Yes; No; NC): _____ If ***Yes,*** **F26b.** What Percent (%): _____

F26c. Distribution of hummocks/pugging: Within streambanks: _____ Remainder of polygon: _____ (must approx. 100%)

F27a. Are seeps or springs present? (Yes; No; NC): _____

If ***Yes,*** **F27b.** Number of seeps and springs: _____

F27c. How many springs and seeps had hummocks and/or pugging in 25% or more of the wetted area? _____

F27d. Location of the springs and seeps: _____

F28a. Is wetland type a pooled channel of an intermittent stream (item C1)? (Yes; No; NC): _____

If ***Yes,*** **F28b.** Percent of the channel length with pooled water: _____

F28c. Is this pooled water expected to remain at the surface through the remainder of the growing season? (Yes; No): _____

F28d. Location of the pools: _____

F29. Comments: (Summarize unique characteristics or problems not evident from the data collected. Include topics related to any of the optional data. Consider current and historic attributes resulting from human-caused and natural processes.):

F30. Detailed description of upper and lower ends of the polygon:

ADDITIONAL DATA

Record ID No: _____

Unique Location ID: _____

G1. Aspect: _____

G2. Vegetative use by animals (0-25%; 26-50%; 51-75%; 76-100%): _____

G3a. Break down the polygon area into the land uses listed (must total to approx. 100%):

No Land Use Apparent: _____
Turf Grass Lawn): _____
Tame Pasture (Grazing): _____
Native Pasture (Grazing): _____
Recreation (ATV Paths, Campsites, etc.): _____
Development (Buildings, Corrals, Paved Lots, etc.): _____
Tilled Cropping: _____
Perennial Forage (e.g., Alfalfa Hayland): _____
Roads: _____
Logging: _____
Mining: _____
Railroads: _____
Other: _____

Description of Other Usage Noted: _____

G3b. Break down the area adjacent to the polygon into the land uses listed (must total to approx. 100%):

No Land Use Apparent: _____
Turf Grass (Lawn): _____
Tame Pasture (Grazing): _____
Native Pasture (Grazing): _____
Recreation (ATV Paths, Campsites, etc.): _____
Development (Buildings, Corrals, Paved Lots, etc.): _____
Tilled Cropping: _____
Perennial Forage (e.g., Alfalfa Hayland): _____
Roads: _____
Logging: _____
Mining: _____
Railroads: _____
Other: _____

Description of Other Usage Noted: _____

G4. Adjacent uplands (Cropland; Grassland; Shrubland; Forest; or Other): _____ _____

G5a. Were Category 2 (T & E) plant species observed? (Yes; No): _____ If ***Yes,*** **G5b.** Species: _____ _____ _____

G5c. Location(s): _____

G6a. Do subsurface water supplies, independent of flowing surface water in the area, appear to influence area vegetation? (An example of this is a hardwood draw with riparian vegetation, but rarely flowing surface water.) (Yes; No): _____

If ***Yes,*** **G6b.** Describe the situation:

G7. Bankfull width/depth ratio: _____

G8. Entrenchment ratio (floodprone width/bankfull width) (<1.4; 1.4-2.2; >2.2): _____

G9. Distribution of exposed soil surface (item F17b) (must approx. 100%):

Inside/outside the bank/channel area: Inside: _____ Outside: _____

G10. Percent of streambank accessible to livestock: _____

G11a. Has the bank configuration or channel profile been modified by construction? (Yes; No; NC): _____

If ***Yes,*** **G11b.** How much of the bank or channel length is modified (%)? _____

G11c. 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": _____

G11d. Location(s): _____

G11e. If human-caused channel modifications are present, are they stable? (Stable; Unstable): _____

G11f. What is the effect of the modifications on the immediate and downstream channel?

WILDLIFE DATA Unique Location ID: _____ Record ID No: _____

Beaver Data

G12a. Is there evidence of beaver in the polygon? (Yes; No; NC): _____ If ***Yes,*** **G12b.** (Active; Inactive): _____

G12c. Describe the type and amounts of beaver activity observed:

_____

_____

G12d. Number of beaver dams and lodges observed: _____

G12e. Level of beaver activity (number of stems chewed) (0; 1-25; 26-100; over 100; NC): _____

G12f. How many beavers were observed? _____

G12g. Where in the polygon?

_____

Waterfowl Data

G13a. Were waterfowl nests or broods observed? (Yes; No; NC): _____

If ***Yes,*** **G13b.** Describe: _____

Fishery Data

G14a. Does the polygon contain a fishery? (Yes; No; Unknown): _____

If ***Yes,*** **G14b.** Is it a sport fishery, non-sport fishery, or unknown: _____

G14c. Fish types present, if known (use common names or descriptions): _____

_____

G14d. How many fish were observed? (0; 1-10; 11-50; >50): _____

G14e. If the polygon does not contain a fishery, is there potential for one? (Yes; No; Unknown): _____

Explain: _____

_____

Amphibian and Reptile Data

G15a. Were amphibians observed? (Yes; No; NC): _____

If ***Yes,*** **G15b.** Number observed: Frogs: _____ Toads: _____ Salamanders: _____

G16a. Were reptiles observed? (Yes; No; NC): _____

If ***Yes,*** **G16b.** Number observed: Snakes: _____ Turtles: _____ Lizards: _____

G17. 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

G18a. Were T & E animal species observed? (Including the recently de-listed bald eagle) (Yes; No; NC): _____

If ***Yes,*** **G18b.** What species? Peregrine Falcon: _____ Bald Eagle: _____ Bull Trout: _____

Peregrine Falcon Nest: _____ Bald Eagle Nest: _____

	Species	Number	Species	Number
Other T & E species observed:	_____	_____	_____	_____

G18c. Location in polygon where T & E animals or nests were sighted:

Unique Location ID: _____ Record ID No: _____

PHOTOGRAPH DATA

Photographer(s): _____

H1. Identification of photos taken at the ***Upstream End of Polygon:***

		Deg	Min	Sec	N/S	Decimal		Deg	Min	Sec	E/W	Decimal
Photo Location:	Lat:						Lon:					

Photo Direction (degrees): _____

Photo nos.: (***Looking Upstream***): _____

Photo Description (If necessary): (***Looking Upstream***):

Photo Direction (degrees): _____

Photo nos.: (***Looking Downstream***): _____

Photo Description (If necessary): (***Looking Downstream***):

H2. Identification of photos taken at ***Downstream End of Polygon:***

		Deg	Min	Sec	N/S	Decimal		Deg	Min	Sec	E/W	Decimal
Photo Location:	Lat:						Lon:					

Photo Direction (degrees): _____

Photo nos.: (***Looking Upstream***): _____

Photo Description (If necessary): (***Looking Upstream***):

Photo Direction (degrees): _____

Photo nos.: (***Looking Downstream***): _____

Photo Description (If necessary): (***Looking Downstream***):

H3. ***Additional Locations: (Lat/Lon DMS and Decimal Degrees [WGS 84]; Observer Initial and Waypoint Number)***

													Observer Initial & WPT
Location #1:	Lat:						Lon:						

Photo Direction at ***Location #1*** (degrees): _____

Photo Numbers: _____

Photo Description (If necessary): (***Location #1***): _____

Photo Direction at ***Location #1*** (degrees): _____

Photo Numbers: _____

Photo Description (If necessary): (***Location #1***): _____

Photo Direction at ***Location #1*** (degrees): _____

Photo Numbers: _____

Photo Description (If necessary): (***Location #1***): _____

Photo Direction at ***Location #1*** (degrees): _____

Photo Numbers: _____

Photo Description (If necessary): (***Location #1***): _____

Location #2: Lat: _____ _____ _____ _____ _____ Lon: _____ _____ _____ _____ _____ _____

Photo Direction at ***Location #2*** (degrees): _____

Photo Numbers: _____

Photo Description (If necessary): (***Location #2***): _____

Photo Direction at ***Location #2*** (degrees): _____

Photo Numbers: _____

Photo Description (If necessary): (***Location #2***): _____

Photo Direction at ***Location #2*** (degrees): _____

Photo Numbers: _____

Photo Description (If necessary): (***Location #2***): _____

Photo Direction at ***Location #2*** (degrees): _____

Photo Numbers: _____

Photo Description (If necessary): (***Location #2***): _____

Location #3: Lat: _____ _____ _____ _____ _____ Lon: _____ _____ _____ _____ _____ _____

Photo Direction at ***Location #3*** (degrees): _____

Photo Numbers: _____

Photo Description (If necessary): (***Location #3***): _____

Photo Direction at ***Location #3*** (degrees): _____

Photo Numbers: _____

Photo Description (If necessary): (***Location #3***): _____

Photo Direction at ***Location #3*** (degrees): _____

Photo Numbers: _____

Photo Description (If necessary): (***Location #3***): _____

Photo Direction at ***Location #3*** (degrees): _____

Photo Numbers: _____

Photo Description (If necessary): (***Location #3***): _____

Location #4: Lat: _____ _____ _____ _____ _____ Lon: _____ _____ _____ _____ _____ _____

Photo Direction at ***Location #4*** (degrees): _____

Photo Numbers: _____

Photo Description (If necessary): (***Location #4***): _____

Photo Direction at ***Location #4*** (degrees): _____

Photo Numbers: _____

Photo Description (If necessary): (***Location #4***): _____

Photo Direction at ***Location #4*** (degrees): _____

Photo Numbers: _____

Photo Description (If necessary): (***Location #4***): _____

Photo Direction at ***Location #4*** (degrees): _____

Photo Numbers: _____

Photo Description (If necessary): (***Location #4***): _____

Location #5: Lat: _____ _____ _____ _____ _____ Lon: _____ _____ _____ _____ _____ _____

Photo Direction at ***Location #5*** (degrees): _____

Photo Numbers: _____

Photo Description (If necessary): (***Location #5***): _____

Photo Direction at ***Location #5*** (degrees): _____

Photo Numbers: _____

Photo Description (If necessary): (***Location #5***): _____

Photo Direction at ***Location #5*** (degrees): _____

Photo Numbers: _____

Photo Description (If necessary): (***Location #5***): _____

Photo Direction at ***Location #5*** (degrees): _____

Photo Numbers: _____

Photo Description (If necessary): (***Location #5***): _____

Location #6: Lat: _____ _____ _____ _____ _____ Lon: _____ _____ _____ _____ _____ _____

Photo Direction at ***Location #6*** (degrees): _____

Photo Numbers: _____

Photo Description (If necessary): (***Location #6***): _____

Photo Direction at ***Location #6*** (degrees): _____

Photo Numbers: _____

Photo Description (If necessary): (***Location #6***): _____

Photo Direction at ***Location #6*** (degrees): _____

Photo Numbers: _____

Photo Description (If necessary): (***Location #6***): _____

Photo Direction at ***Location #6*** (degrees): _____

Photo Numbers: _____

Photo Description (If necessary): (***Location #6***): _____