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

Record I	D No:
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ADMINISTRATIVE DATA	Unique	Location ID:	Reac	h 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 BLI	M grazing al	otment? (Yes;	No; NA):
If Yes, A3e: Allotment Number:	A3f: Allotm	nent Number	:	
Allotment ID:		Allotment ID):	
Allotment Name:	Allo	tment Name):	
Management Status:	Manage	ement Status	3:	
A4. USFWS Refuge:	_			
A5. Reservation:				
A6. NPS Park/NHS:				
A7. USFS National Forest:				
A8. Other Location:				
A9. Year: A10. Date field data colle	cted: A11. Observers	3:		
A12a. At least some part of this polygon has be	een inventoried more than once (resan	npled)? (Yes	;; No):	
If No, go to item A13a. If Yes, A12b.	his polygon coincides exactly with and	other invento	ried polygon?	(Yes; No):
A12c. Is this the latest inventory for this polygo	n? (Yes; No):			
A12d. ID No.(s) of other inventories of this poly	/gon:,,	· · · · · · · · · · · · · · · · · · ·		
A12e. Other years:				
A12f. This polygon shares common area with o	other inventoried polygon(s)? (Yes; No):	A12g. Other y	years:
A12h. ID No.(s) of other records sharing area	with this polygon:,		,	,
A13a. Has a change in management occurred	? (Yes; No): If <i>Yes,</i> A13	3b. Year that	changed occu	rred:
A13c. Type of management change applied:				
LOCATION DATA				
B1. State/Province: B2. Cour	nty/Municipal district:			
B3. Allotment/Range/Management unit:				
B4a. Area name:				
B4b. Tributary to:				
B4c. Group name:	B4d. Group number:	B5. Polyg	gon number: _	
B6a. Upper end elevation (ft): ; (m):	·			
B7. Stream gradient (percent): %		` ' _		
	GPS Projection:			Observe
Deg Min Sec N/S	Decimal Deg Min Sec		Decimal	Accuracy Initial +/- ft +/- m & WPT
Upper: Lat:	-			
Lower: Lat:				
Other: Lat:				
B8b. Other Point Comments:				

B9. Hydrologic unit code(s) (HUC) from the USGS National HUC LEVELS: Region (2 digits; First Level HUC); Subregion Subbasin (8 digits; Fourth Level HUC); Watershed (10 digits)	Hydrography Dataset (NHD): Record ID No: (4 digits; Second Level HUC); Basin (6 digits; Third Level HUC); ; 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:	
square miles:	square miles:
Basin Name:	Basin Name:
square miles:	square miles:
Subbasin Name:	Subbasin Name:
square miles:	square miles:
Watershed Name:	
square miles:	square miles:
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:	
square miles:	square miles:
Basin Name:	Basin Name:
square miles:	square miles:
Subbasin Name:	
square miles:	square miles:
Watershed Name:	
square miles:	square miles:
Subwatershed Name:	Subwatershed Name:
acres:	acres:
HUC #5:	acres:
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:	
square miles:	square miles:
Subwatershed Name:	
acres:	acres:
Current as of 5/17/2023 River Health Assessment	2 Check www.ecologicalsolutionsgroup.com for latest data set & form

SELECTED SUMMARY DATA	Unique Location ID: Record ID No:
C1. Wetland type:	; (hect):;
	f No, C3b. Does the polygon consist entirely of functional wetland ; (hect): C3d. Percent of total polygon:
	5. Number of river miles the polygon represents:; (km):
C6a. Average polygon width (ft):; (m):	7,0
C6b. Polygon width range (ft): to; (m):	to
C7. Habitat Types and Community Types	Approx.
Classification Type Name Phase	Percent of Polygon Successional Stage or Comments
C8a. Is there evidence that part, or all, of the polygon has b NC):	urned (e.g., charred wood, dead standing trees or shrubs, etc.)? (Yes; No;
If Yes, C8b. Approx. how long ago? (0 to 5 years	ago; more than 5 years ago):
C8c. Percent of polygon that was burned? (0-25	%; 26-50%; 51-75%; 76-100%):
ADDITIONAL PHYSICAL SITE CHARACTERISTICS	
C9. Polygon Has Tall Woody Type(s) (Yes, No):	

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	RIVER ECO	LOGICA	L HEAL	TH SCORE SI	HEET	Record ID No:	
			Possible	Comment		Unique	Location ID:
Cottonwood and Poplar Regent from seed	eration						
2. Regeneration of other Native Tr	ree Species						
3. Regeneration of Preferred Shru	b Species						
Standing Decadent and Dead V Material	Voody						
5a. Browse Util. of Preferred Trees	and Shrubs						
5b. Woody Veg. Removal other tha	n Browsing						
6. Total Canopy Cover of Woody	Species						
Species 7b. Density/Distribution Pattern of I	nvasive						
Plant Species Are invasive species present? (Y List Invasive Plant Species present	es; No; NC): _ , including Perc	ent Cano	py Cover	and Density Dist	tribution Cl	ass:	
Plant Species Are invasive species present? (Y List Invasive Plant Species present	es; No; NC): _	ent Cano	py Cover	and Density Dist		ass:	Can.CovDens.Dist
Plant Species Are invasive species present? (Y List Invasive Plant Species present	es; No; NC): _, , including Perc . Dens.Dist. field	ent Cano	:	•	s.Dist. — prick	ly Russian thistle:	Can.CovDens.Dist
Plant Species Are invasive species present? (Y List Invasive Plant Species present Can.Cov black henbane:	es; No; NC): _, including Perc . Dens.Dist. field	scabiosa sowthistle	: e:	•	s.Dist. — prick purpl	ly Russian thistle: e loosestrife:	
Plant Species Are invasive species present? (Y List Invasive Plant Species present Can.Cov black henbane: broadleaved pepperweed: bull thistle:	es; No; NC): _, , including Perc . Dens.Dist. field field flowe	scabiosa	: e: n:	•	s.Dist. — prick purpl Russ	ly Russian thistle: e loosestrife: ian knapweed:	Can.CovDens.Dist
Plant Species Are invasive species present? (Y List Invasive Plant Species present Can.Cov black henbane: broadleaved pepperweed:	es; No; NC): _, including Perc . Dens.Dist. field field flowe	scabiosa sowthistle ering-rush er's teasel	: e: n:	•	Dist. prick purpl Russ	ly Russian thistle: e loosestrife: ian knapweed: ian olive:	
Plant Species Are invasive species present? (Y List Invasive Plant Species present Can.Cov black henbane: broadleaved pepperweed: bull thistle: burningbush:	es; No; NC): _, including Perc Dens.Dist. field field flower Fulle	scabiosa sowthistle ering-rush er's teasel	: e: n:	•	Dist. prick purpl Russ Russ saltc	ly Russian thistle: e loosestrife: ian knapweed: ian olive: edar (tamarisk):	
Plant Species Are invasive species present? (Y List Invasive Plant Species present Can.Cov black henbane: broadleaved pepperweed: bull thistle: burningbush: butter and eggs: Canada thistle:	es; No; NC):, including Perc . Dens.Dist. field flower Fulle hour	scabiosa sowthistle ering-rush er's teasel	: e: h: l:	•	s.Dist. prick purpl Russ Russ saltc	ly Russian thistle: e loosestrife: ian knapweed: ian olive: edar (tamarisk): ch cottonthistle:	
Plant Species Are invasive species present? (Y List Invasive Plant Species present Can.Cov black henbane: broadleaved pepperweed: bull thistle: burningbush: butter and eggs:	es; No; NC):, including Perc . Dens.Dist. field flowe Fulle hour leafy	scabiosa sowthistle ering-rush er's teasel ndstongue spurge:	: e: n: l: e: k:	•	s.Dist. prick purpl Russ Russ saltc Scote	ly Russian thistle: e loosestrife: ian knapweed: ian olive: edar (tamarisk): ch cottonthistle: ed knapweed:	
Plant Species Are invasive species present? (Y List Invasive Plant Species present Can.Cov black henbane: broadleaved pepperweed: bull thistle: burningbush: butter and eggs: Canada thistle: cheatgrass:	es; No; NC): _, including Perc . Dens.Dist. field field flowe Fulle hour leafy	scabiosa sowthistle ering-rush er's teasel ndstongue er spurge: er burdoc	: e: n: l: e: k:	•	s.Dist. prick purpl Russ Russ saltc Scote spott	ly Russian thistle: e loosestrife: ian knapweed: ian olive: edar (tamarisk): ch cottonthistle: ed knapweed: ohn's wort:	
Plant Species Are invasive species present? (Y List Invasive Plant Species present Can.Cov black henbane: broadleaved pepperweed: bull thistle: burningbush: butter and eggs: Canada thistle: cheatgrass: common tansy: Dalmatian toadflax:	es; No; NC):, including Perc . Dens.Dist. field field flower Fulle hour leafy lesse med mus	scabiosa sowthistle ering-rush er's teasel adstongue spurge: er burdock usahead: k thistle:	: e: n: h: e: k:	•	s.Dist. prick purpl Russ Saltc Scote spott St. Je sulph	ly Russian thistle: e loosestrife: ian knapweed: ian olive: edar (tamarisk): ch cottonthistle: ed knapweed: ohn's wort: nur cinquefoil:	
Plant Species Are invasive species present? (Y List Invasive Plant Species present Can.Cov black henbane: broadleaved pepperweed: bull thistle: burningbush: butter and eggs: Canada thistle: cheatgrass: common tansy:	es; No; NC):, including Perc Dens.Dist. field field flowe Fulle hour leafy lesse med mus	scabiosa sowthistle ering-rush er's teasel adstongue er spurge: er burdock usahead:	: e: i: : e: k: rass:	Can.CovDens	s.Dist. prick purpl Russ Russ saltc Scote spott St. Je sulph	ly Russian thistle: e loosestrife: ian knapweed: ian olive: edar (tamarisk): ch cottonthistle: ed knapweed: ohn's wort: nur cinquefoil: uttercup:	
Plant Species Are invasive species present? (Y List Invasive Plant Species present Can.Cov black henbane: broadleaved pepperweed: bull thistle: burningbush: butter and eggs: Canada thistle: cheatgrass: common tansy: Dalmatian toadflax: diffuse knapweed:	es; No; NC):, including Perc Dens.Dist. field field flowe Fulle hour leafy lesse med musi	scabiosa sowthistle ering-rush er's teasel adstongue spurge: er burdoc usahead: k thistle: h Africa g	: e: i: : e: k: rass:	•	s.Dist. prick purpl Russ Russ saltc Scote spott St. Je sulph tall b white	ly Russian thistle: e loosestrife: ian knapweed: ian olive: edar (tamarisk): ch cottonthistle: ed knapweed: ohn's wort: nur cinquefoil: uttercup:	

Current as of 5/17/2023

River Health Assessment

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Vegetation Subtotal:

Check www.ecologicalsolutionsgroup.com for latest data set & form

RIV	'ER HEALTH EV	ALUATION (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 Acivity			
14. Human Physical Alteration to the Rest of the Polygon			
15. Floodplain Accessibility within the Polygon			
Soil / Hydrology Subtotal:		<u> </u>	
Overall Polygon Total:			
Soil / Hydrology: /	00 = 00 = 00 =	Descriptive Category	
Rai	80-100 60-79	Descriptive Category Proper Functioning Condition (Healthy) Functional At Risk (Healthy, but with Problems)	

Unique Location ID: _____ Record ID No: _____

ADDITIONAL MANAGEMENT CONCERNS	Unique Location ID: Record ID No:
the direction of change on a site. These data can be useful for	. •
	c; or Status Unknown?):
17. Vegetation Use by Animals:	
18. Susceptibility of parent material to erosion:	
19. Percent of streambank accessible to livestock:	<u> </u>
20. Break down the polygon area into the land uses listed (must total to approx. 100%):	21. 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:	
Railroads:	
Description of Other Usage Noted: Other:	Description of Other Usage Noted: Other:
Description of other osage Noted.	Beschphon of Other Osage Noted.
22. Comments and Observations:	

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DUOTOOD A DU DATA				Unique	e Loca	ation ID	:	. Re	cord ID N	lo:	
PHOTOGRAPH DATA Photographer(s):											
E1. Identification of photos take											
De	eg Min	Sec	N/S	Decimal		_					
					Lon:						
Photo Direction (degrees):	_										
Photo nos.: (Looking Upstream											
Photo Description (If necessary)	: (Looking										
Photo nos.: (Looking Downstre	eam):										
Photo Description (If necessary)	: (Looking	g Downs	tream):								
E2. Identification of photos taken	n at Down	stream E	End of Po								
	0	Sec	N/S							Decimal	
Photo Location: Lat:					LOII.						_
Photo Direction (degrees):											
Photo nos.: (Looking Upstream											
Photo Description (If necessary)	: (Looking	g Upstrea	am):								
Photo nos.: (Looking Downstre	eam):										
Photo Description (If necessary)	: (Looking	g Downs	tream):								
E3. Additional Locations: (Lat. Location #1: Lat: Photo Direction at Location #1 Photo Numbers:	(degrees):				Lon:					lumber)	Observe Initial & WPT
Photo Description (If necessary)	: (Locatio	n #1):									
Photo Direction at Location #1	(degrees):										
Photo Numbers:											
Photo Description (If necessary)	: (Locatio	n #1):									
Photo Direction at <i>Location #1</i>	(degrees):										
Photo Numbers:											
Photo Description (If necessary)	: (Locatio	n #1): _									
Photo Direction at <i>Location #1</i> Photo Numbers:	, ,										
Photo Description (If necessary)	: (Locatio	n #1):									
Current as of 5/17/2023 R	iver Health	Assessme	ent	7	Check	www.ed	cological	solutionsg	roup.com f	for latest data	set & form

	Lon:
Photo Direction at <i>Location #2</i> (degrees):	
Photo Direction at <i>Location #2</i> (degrees):	
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Photo Direction at <i>Location #2</i> (degrees):	
Photo Numbers:	
Photo Description (If necessary): (<i>Location #2</i>):	
Photo Direction at <i>Location #2</i> (degrees):	
Photo Numbers:	
Photo Description (If necessary): (<i>Location #2</i>):	
Location #3: Lat:	Lon:
Photo Direction at <i>Location #3</i> (degrees):	
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Photo Description (If necessary): (<i>Location #3</i>):	
Photo Direction at <i>Location #3</i> (degrees):	
Photo Numbers:	
Photo Description (If necessary): (<i>Location #3</i>):	
Photo Direction at <i>Location #3</i> (degrees):	
Photo Numbers:	
Photo Description (If necessary): (<i>Location #3</i>):	
Photo Direction at <i>Location #3</i> (degrees):	
Photo Numbers:	
Photo Description (If necessary): (<i>Location #3</i>):	

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Unique Location ID: _____ Record ID No: _____

Location #4: Lat:	Lon: Lon:
Photo Direction at <i>Location #4</i> (degrees):	
Photo Numbers:	
Photo Direction at <i>Location #4</i> (degrees):	
Photo Numbers:	
Photo Description (If necessary): (Location #4):	
Photo Direction at <i>Location #4</i> (degrees):	
Photo Numbers:	
Photo Description (If necessary): (<i>Location #4</i>):	
Photo Direction at <i>Location #4</i> (degrees):	
Photo Numbers:	
Photo Description (If necessary): (<i>Location #4</i>):	
Location #5: Lat:	Lon:
Photo Direction at <i>Location #5</i> (degrees):	
Photo Numbers:	
Photo Description (If necessary): (<i>Location #5</i>):	
Photo Direction at <i>Location #5</i> (degrees):	
Photo Numbers:	
Photo Description (If necessary): (<i>Location #5</i>):	
Photo Direction at <i>Location #5</i> (degrees):	
Photo Numbers:	
Photo Description (If necessary): (<i>Location #5</i>):	
Photo Direction at <i>Location #5</i> (degrees):	
Photo Numbers:	
Photo Description (If necessary): (<i>Location #5</i>):	

Unique Location ID: ____ Record ID No: ____

Location #6: Lat:	Lon:
Photo Direction at <i>Location #6</i> (degrees):	
Photo Numbers:	
Photo Description (If necessary): (Location #6):	
Photo Direction at <i>Location #6</i> (degrees):	
Photo Numbers:	
Photo Description (If necessary): (<i>Location #6</i>):	
Photo Direction at <i>Location #6</i> (degrees):	
Photo Numbers:	
Photo Description (If necessary): (Location #6):	
Photo Direction at <i>Location #6</i> (degrees):	
Photo Numbers:	
Photo Description (If necessary): (<i>Location #6</i>):	

Unique Location ID: _____ Record ID No: _____

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River Health Assessment

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