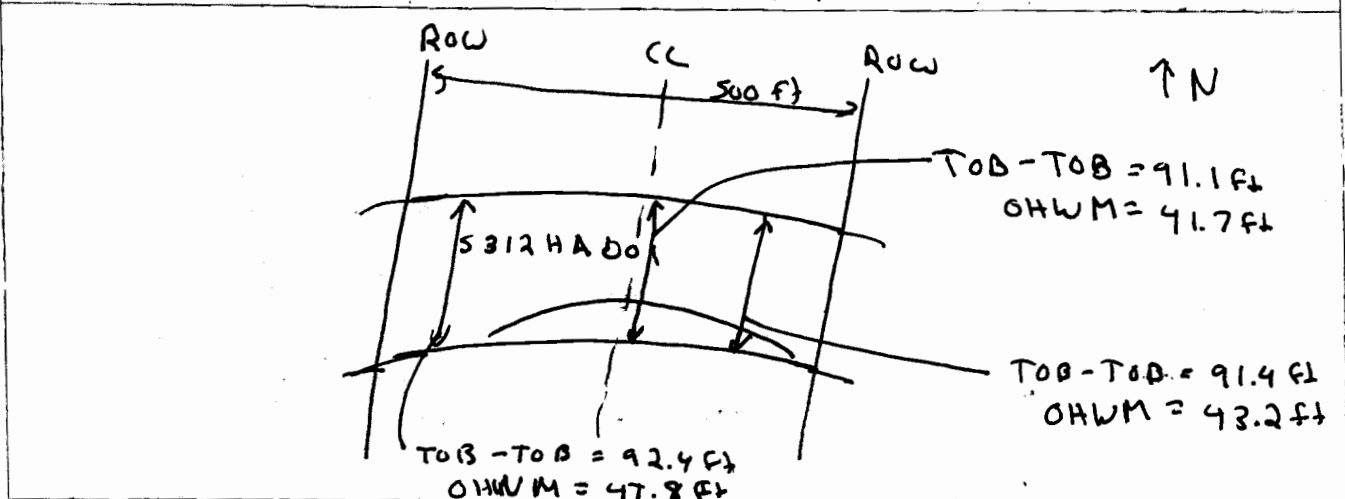


Waterbody Data Form

Centerline
 Re-Route
 Access Road
 Ancillary Facility
 Transmission Line
 Other

Centerline ID: S312HA001		Project Designated Name: Little Missouri River	
Date: 10-3-12	Client/Project Name: Keystone X	Milepost Enter/Exit: 295.00	
Team: 312	State/Country: SD / HA	Quad Name:	
Logbook No.: 1	Logbook Page No.:	Tract No.: HA 00390.000 00410.000	

Drawing (Please provide orientation arrow, all features identified, location to centerline, etc.)



Waterbody Type:	
<input type="checkbox"/> Lake <input type="checkbox"/> Pond <input type="checkbox"/> Borrow Pit <input checked="" type="checkbox"/> Stream <input type="checkbox"/> Ag. Ditch <input type="checkbox"/> Other	
Stream Flow:	
<input type="checkbox"/> Fast <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Slow <input type="checkbox"/> Very Slow <input type="checkbox"/> None	
Flow Type:	
<input checked="" type="checkbox"/> Perennial (Flows year round) <input type="checkbox"/> Intermittent (Flows <3 month) <input type="checkbox"/> None	
<input type="checkbox"/> Seasonal (Continuous flow ≥ 3 months) <input type="checkbox"/> Ephemeral (Flows only in response to rainfall)	
Direction of Flow:	
<input type="checkbox"/> N <input type="checkbox"/> NE <input type="checkbox"/> E <input type="checkbox"/> SE <input type="checkbox"/> S <input type="checkbox"/> SW <input checked="" type="checkbox"/> W <input type="checkbox"/> NW <input type="checkbox"/> No Flow	
OHWM Width (ft.):	
at CL, 41.7 ft	
Sinuosity:	
<input type="checkbox"/> Braided <input checked="" type="checkbox"/> Meandering <input type="checkbox"/> Straight <input type="checkbox"/> N/A	
Stream Width (ft.):	Water Surface (At Crossing Location)
at CL, TOB - TOB = 91.1 ft	40 ft
Stream Depth (ft.):	
<input type="checkbox"/> 0 <input checked="" type="checkbox"/> 1-3 <input type="checkbox"/> 3-6 <input type="checkbox"/> 6-12 <input type="checkbox"/> 12-18 <input type="checkbox"/> 18-24 <input type="checkbox"/> 24-36 <input type="checkbox"/> 36-48 <input type="checkbox"/> 48-60 <input type="checkbox"/> 60+	
OHWM Indicators:	
Bare banks; bent veg	
Bank Height (ft.):	Left: <input type="checkbox"/> 0-2 <input checked="" type="checkbox"/> 2-4 <input type="checkbox"/> 4-6 <input type="checkbox"/> 6-8 <input type="checkbox"/> 8+
(Looking Downstream)	Right: <input type="checkbox"/> 0-2 <input checked="" type="checkbox"/> 2-4 <input type="checkbox"/> 4-6 <input type="checkbox"/> 6-8 <input type="checkbox"/> 8+
Bank Slope:	Left: <input checked="" type="checkbox"/> 4:1 <input type="checkbox"/> 3:1 <input type="checkbox"/> 2:1 <input type="checkbox"/> 1:1 <input checked="" type="checkbox"/> Vertical
(Looking Downstream)	Right: <input type="checkbox"/> 4:1 <input checked="" type="checkbox"/> 3:1 <input type="checkbox"/> 2:1 <input type="checkbox"/> 1:1 <input type="checkbox"/> Vertical

Qualitative Attributes

Water Appearance:
 Clear Turbid Sheen on Surface Floating Algal Mats
 Slightly Turbid Very Turbid Greenish Color Obvious Surface Scum
 No Flow Other:

Stream Substrate %:

Aquatic Habitats:
 Sand Bar Gravel Riffle In-stream Emergent Plant % Cover:
 Gravel Bar Deep Pools In-stream Submerged Plant % Cover:
 Mud Bar Bank Root Systems Fringing Wetlands Characteristics:
 Undercut Banks Overhanging Trees/Shrubs None

Aquatic Organisms Observed:

Riparian Zone:
Width of Natural Vegetation Zone from Edge of Active Channel out to Flood Plain (ft): Left - 50+ Right - 50+

Vegetative Layers: Herbs Shrubs Trees Multiple
Significant Bare Areas Within Riparian Zone Yes No Unknown
Evidence Of Non-Buffered Concentrated Flows: Yes No Unknown

Tributary Condition: Natural Artificial (Man-Made) Manipulated

Channel Condition: Channelization/Braiding Unnatural Straightening Downcutting
 Dikes/Berms Excessive Bank Erosion N/A

Disturbances: Livestock Access to Riparian Zone Manure In Stream or On Banks
 Waste Discharge Pipes Present
 Other:

Habitat Characteristics, Aquatic, and Terrestrial Diversity Description:
Habitat ID Number:
range land

Comments:
gravel bar / gravel deposit along RDB

Stream Quality: High Moderate Low
-cattle access to stream