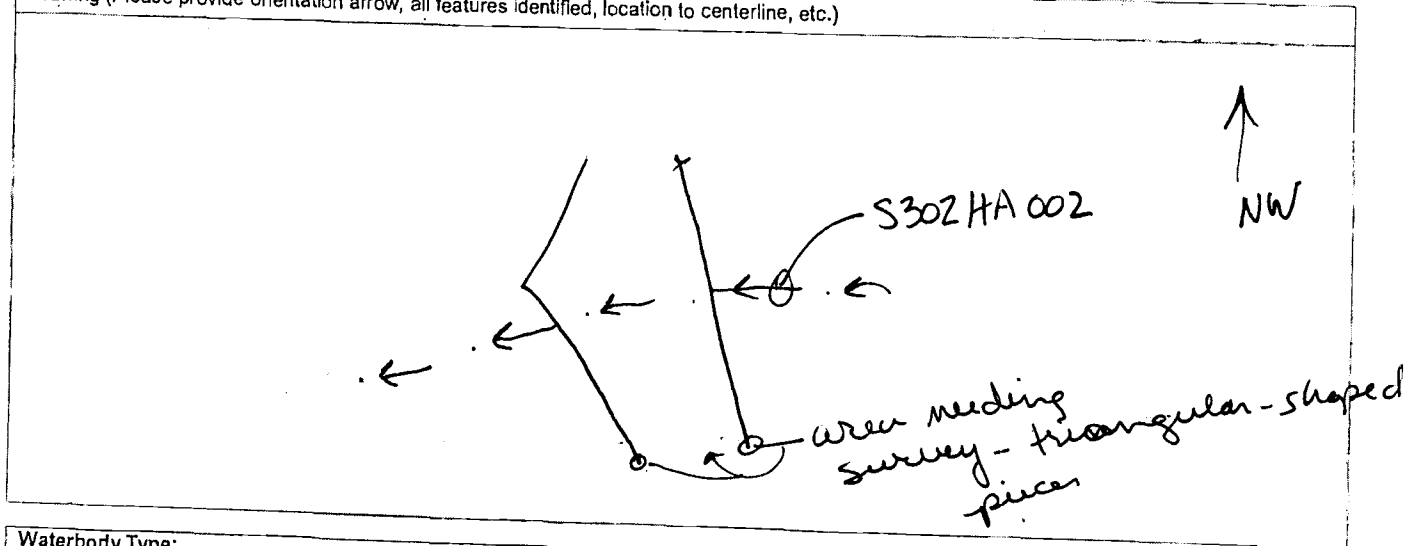


Waterbody Data Form

S302HA002

<input checked="" type="checkbox"/> Centerline <input checked="" type="checkbox"/> Re-Route <input type="checkbox"/> Access Road <input type="checkbox"/> Ancillary Facility <input type="checkbox"/> Transmission Line <input type="checkbox"/> Other	
Centerline ID: 2007 2012-07-02	Project Designated Name: KKL pipeline
Date: 7.14.12	Client/Project Name:
Team: Prio 302	Milepost Enter/Exit: 357
State/County: SD / HA	Quad Name:
Logbook No.: 302-4	Logbook Page No.:
Tract No.: ML-SD-HA-03590.000	

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 type="checkbox"/> Moderate <input type="checkbox"/> Slow <input type="checkbox"/> Very Slow <input checked="" type="checkbox"/> None
Flow Type:	<input 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 checked="" 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 checked="" type="checkbox"/> SW <input type="checkbox"/> W <input type="checkbox"/> NW <input type="checkbox"/> No Flow
OHWM Width (ft.):	3'
Sinuosity:	<input type="checkbox"/> Braided <input checked="" type="checkbox"/> Meandering <input type="checkbox"/> Straight <input type="checkbox"/> N/A
Stream Width (ft.):	Top to Top = 7'
Stream Depth (ft.):	Water Surface (At Crossing Location) No flow
OHWM Indicators:	0 1-3 3-6 6-12 12-18 18-24 24-36 36-48 48-60 60+
Bank Height (ft.):	Left: 0-2 2-4 4-6 6-8 8+ Right: 0-2 2-4 4-6 6-8 8+
Bank Slope:	Left: 4:1 3:1 2:1 1:1 Vertical Right: 4:1 3:1 2:1 1:1 Vertical

could be erosional @ this point, but surveyed because some areas w/ OHWM.

may not be continuous. can't investigate off row.

photos: -001 NW (across)
-002 SW (downgradient)
-003 NE (upgradient)
-004 SW

S302HA002
(cont.)

Qualitative Attributes

Water Appearance:			
<input type="checkbox"/> Clear	<input type="checkbox"/> Turbid	<input type="checkbox"/> Sheen on Surface	<input type="checkbox"/> Floating Algal Mats
<input type="checkbox"/> Slightly Turbid	<input type="checkbox"/> Very Turbid	<input type="checkbox"/> Greenish Color	<input type="checkbox"/> Obvious Surface Scum
<input checked="" type="checkbox"/> No Flow	<input type="checkbox"/> Other:		
Stream Substrate %: <i>grass / gravel</i>			
Aquatic Habitats:			
<input type="checkbox"/> Sand Bar	<input type="checkbox"/> Gravel Riffle	<input type="checkbox"/> In-stream Emergent Plant	% Cover:
<input type="checkbox"/> Gravel Bar	<input checked="" type="checkbox"/> <i>Some</i> Deep Pools - <i>some standing water</i>	<input type="checkbox"/> In-stream Submerged Plant	% Cover:
<input type="checkbox"/> Mud Bar	<input type="checkbox"/> Bank Root Systems	<input type="checkbox"/> Fringing Wetlands	Characteristics:
<input type="checkbox"/> Undercut Banks	<input type="checkbox"/> Overhanging Trees/Shrubs	<input checked="" type="checkbox"/> None	
Aquatic Organisms Observed: <i>none</i>			
Riparian Zone:			
Width of Natural Vegetation Zone from Edge of Active Channel out to Flood Plain (ft): Left - <i>100'</i> Right - <i>100'</i>			
Vegetative Layers: <input checked="" type="checkbox"/> Herbs <input type="checkbox"/> Shrubs <input type="checkbox"/> Trees <input type="checkbox"/> Multiple			
Significant Bare Areas Within Riparian Zone <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown			
Evidence Of Non-Buffered Concentrated Flows: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown			
Tributary Condition: <input checked="" type="checkbox"/> Natural <input type="checkbox"/> Artificial (Man-Made) <input type="checkbox"/> Manipulated			
Channel Condition:			
<input type="checkbox"/> Channelization/Braiding <input type="checkbox"/> Unnatural Straightening <input checked="" type="checkbox"/> Downcutting			
<input type="checkbox"/> Dikes/Berms <input type="checkbox"/> Excessive Bank Erosion <input type="checkbox"/> N/A			
Disturbances:			
<input checked="" type="checkbox"/> Livestock Access to Riparian Zone <input type="checkbox"/> Manure In Stream or On Banks			
<input type="checkbox"/> Waste Discharge Pipes Present			
<input type="checkbox"/> Other:			

Habitat Characteristics, Aquatic, and Terrestrial Diversity Description:
Habitat ID Number: <i>low species ~ structural diversity.</i>

Comments:

Stream Quality: <input type="checkbox"/> High <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Low
