

Waterbody Data Form

CAR 233

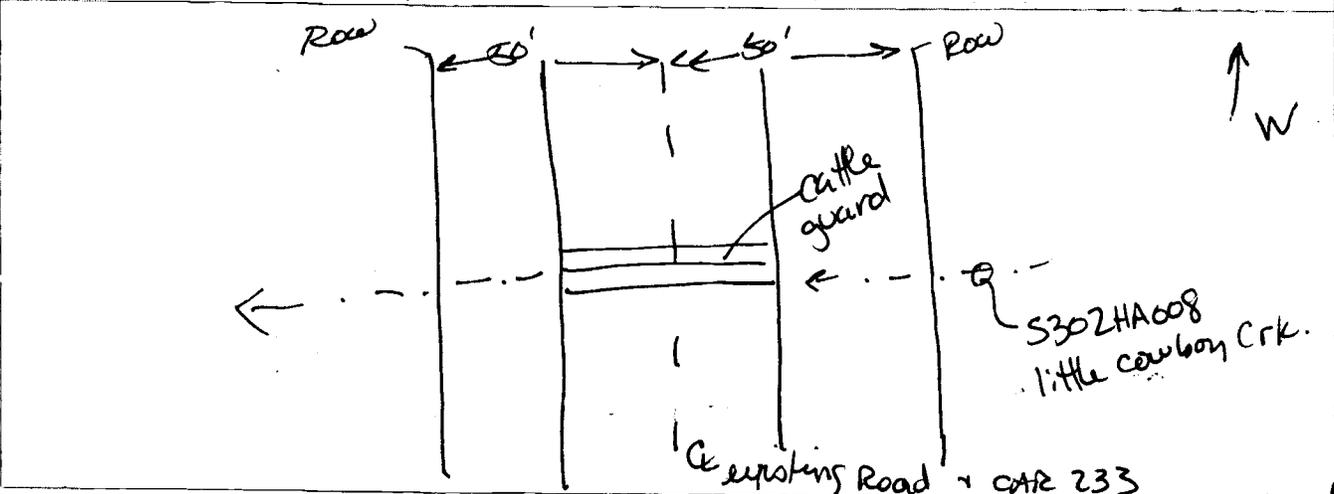
S302HA008

Little Cowboy Crk.

Centerline Re-Route Access Road Ancillary Facility Transmission Line Other

Centerline ID: issued 2012-07-02		Project Designated Name: KXL pipeline	
Date: 7-18-12	Client/Project Name:		Milepost Enter/Exit: CAR 2.3
Team: Bio 302	State/County: SD/HA		Quad Name:
Logbook No.: 302-	Logbook Page No.:	Tract No.: AR-SD-HA-13160.000	

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 - saturated grnd/puddles
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 checked="" type="checkbox"/> S <input type="checkbox"/> SW <input type="checkbox"/> W <input type="checkbox"/> NW <input type="checkbox"/> No Flow
OHWM Width (ft.):	- No indicators here w/in road - totally disturbed grnd - missing
Sinuosity:	<input type="checkbox"/> Braided <input type="checkbox"/> Meandering <input checked="" type="checkbox"/> Straight <input type="checkbox"/> N/A
Stream Width (ft.):	? 4' Water Surface (At Crossing Location) No water
Stream Depth (ft.):	<input checked="" type="checkbox"/> 0 <input 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:	- None
Bank Height (ft.): (Looking Downstream)	Left: <input type="checkbox"/> 0-2 <input type="checkbox"/> 2-4 <input type="checkbox"/> 4-6 <input type="checkbox"/> 6-8 <input type="checkbox"/> 8+ Right: <input type="checkbox"/> 0-2 <input type="checkbox"/> 2-4 <input type="checkbox"/> 4-6 <input type="checkbox"/> 6-8 <input type="checkbox"/> 8+
Bank Slope: (Looking Downstream)	Left: <input type="checkbox"/> 4:1 <input type="checkbox"/> 3:1 <input type="checkbox"/> 2:1 <input type="checkbox"/> 1:1 <input type="checkbox"/> Vertical Right: <input type="checkbox"/> 4:1 <input type="checkbox"/> 3:1 <input type="checkbox"/> 2:1 <input type="checkbox"/> 1:1 <input type="checkbox"/> Vertical

all disturbed grnd.

No real bed & banks - cattle, road, farm/home complex

It's a named stream, yet very disturbed & ephemeral @ best.

photos: - 001W - 001S
- 002N (up)
- 003E (down)

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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 %: *clay/sand - saturated ground*

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: *NONE*

Riparian Zone:
Width of Natural Vegetation Zone from Edge of Active Channel out to Flood Plain (ft): Left - *100'* Right - *100'*
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 *Roadway, cattle guard, farm/houses*
 Other:

Habitat Characteristics, Aquatic, and Terrestrial Diversity Description:
Habitat ID Number:
Areas outside of ROW may exhibit some habitat ... Not here.

Comments:

Stream Quality: High Moderate Low