

Waterbody Data Form

S109 HA002
Dippm Vat Creek

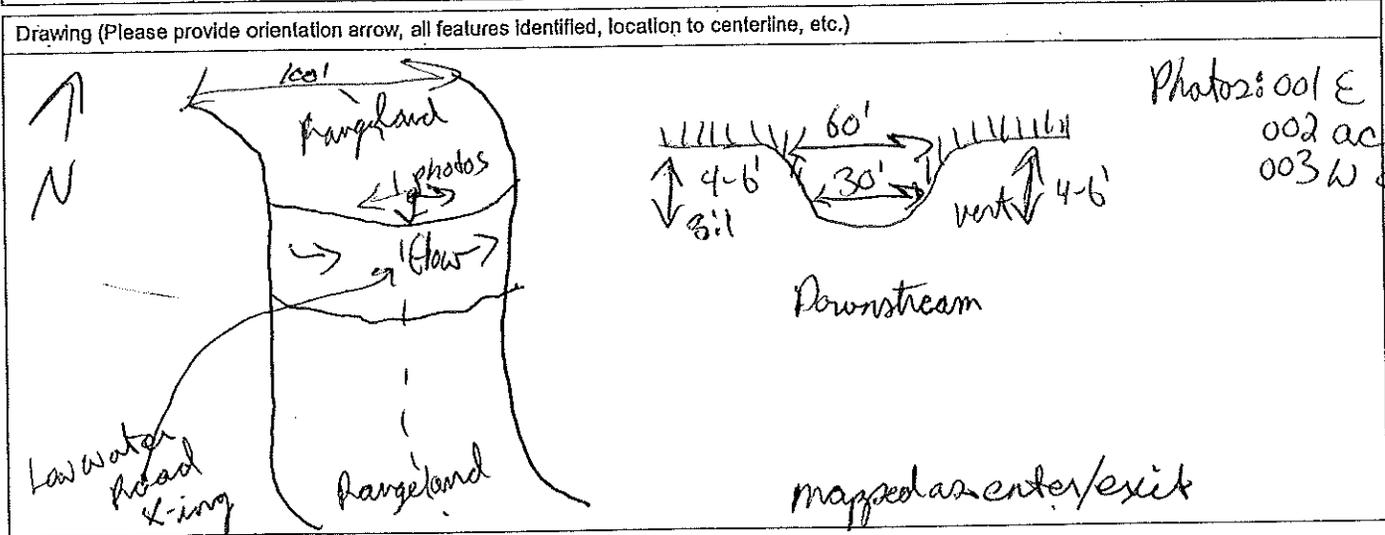
Centerline Re-Route Access Road Ancillary Facility Transmission Line Other

Centerline ID: 3/26/10 Project Designated Name: Key Store XL-Phase IV

Date: 8/5/10 Client/Project Name: TransCanada-Trow Milepost Enter/Exit: MP 1.5

Team: B109 State/County: SD-Harding Quad Name: NA

Logbook No.: 1 Logbook Page No.: - Tract No.: ML-SP-HA-290



Waterbody Type: Lake Pond Borrow Pit Stream Ag. Ditch Other

Stream Flow: Fast Moderate Slow Very Slow None

Flow Type: Perennial (Flows year round) Intermittent (Flows <3 month) None
 Seasonal (Continuous flow ≥ 3 months) Ephemeral (Flows only in response to rainfall)

Direction of Flow: N NE E SE S SW W NW No Flow

OHWM Width (ft.): 30'

Sinuosity: Braided Meandering Straight N/A

Stream Width (ft.): 60' TOB Water Surface (At Crossing Location) 8'

Stream Depth (ft.): 0 1-3 3-6 6-12 12-18 18-24 24-36 36-48 48-60 60+

OHWM Indicators: Bent reg - Scow

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

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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 %: *Silty Clay loam*

Aquatic Habitats: Sand Bar Gravel Riffle In-stream Emergent Plant % Cover: *10%*
 Gravel Bar Deep Pools In-stream Submerged Plant % Cover:
 Mud Bar Bank Root Systems Fringing Wetlands Characteristics: *75' @ L013.*
 Undercut Banks Overhanging Trees/Shrubs None

Aquatic Organisms Observed: *Frogs present*

Riparian Zone:
 Width of Natural Vegetation Zone from Edge of Active Channel out to Flood Plain (ft): Left - *15'* Right - *10'*
 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: *NA*

Comments: *Pasture^W used for sheep.*

Stream Quality: High Moderate Low