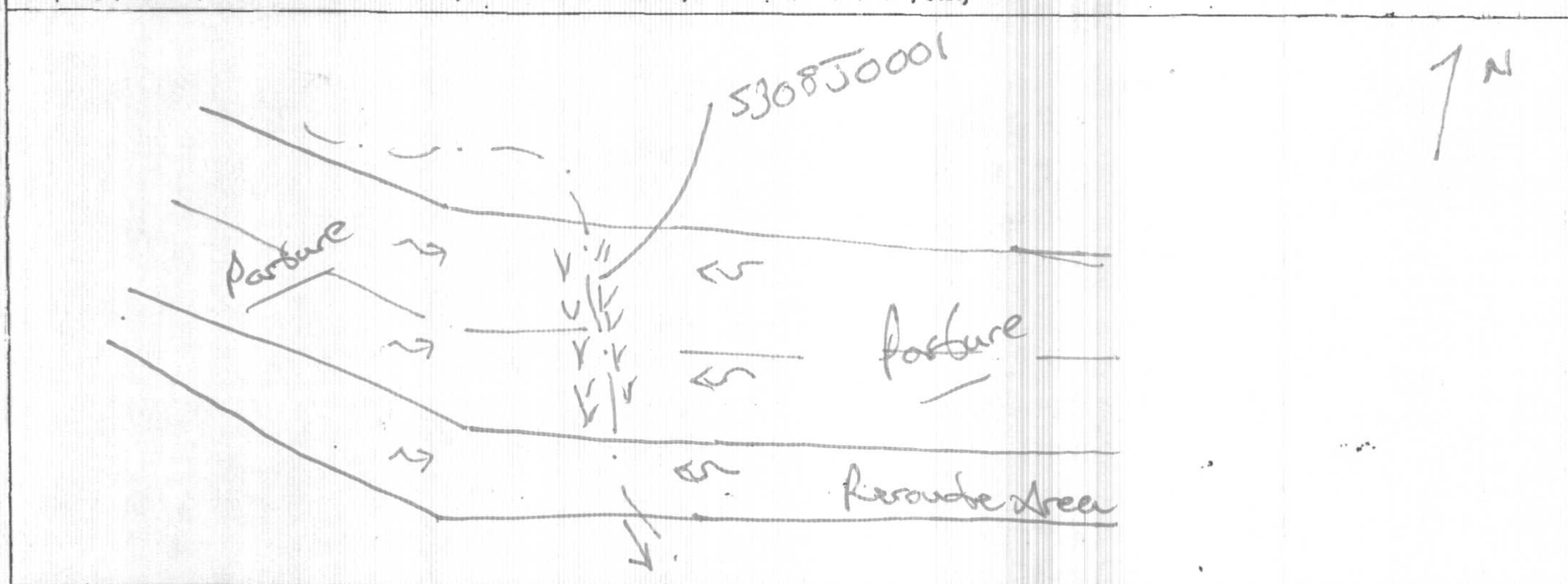


# Waterbody Data Form

☒ Centerline ☒ Re-Route ☐ Access Road ☐ Ancillary Facility ☐ Transmission Line ☐ Other

|                                 |                                 |                                      |                                            |
|---------------------------------|---------------------------------|--------------------------------------|--------------------------------------------|
| Centerline ID: <u>5308J0001</u> |                                 | Project Designated Name: <u>14XL</u> |                                            |
| Date: <u>7-27-12</u>            | Client/Project Name:            |                                      | Milepost Enter/Exit: <u>469.14 / 496.5</u> |
| Team: <u>308</u>                | State/County: <u>SD / Jones</u> |                                      | Quad Name:                                 |
| Logbook No.: <u>308</u>         | Logbook Page No.:               | Tract No.: <u>ML-5A-JO-10210.000</u> |                                            |

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 checked="" type="checkbox"/> Intermittent (Flows <3 month) <input type="checkbox"/> None<br><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 type="checkbox"/> W                                                                                                                                                                                                                                                                                                                        | <input type="checkbox"/> NW                    | <input checked="" type="checkbox"/> No Flow |                                            |                                          |                                |
| OHWM Width (ft.): <u>8</u>              |  |                                                                                                                                                                                                                                                                                                                                                   |                                                |                                             |                                            |                                          |                                |
| Sinuosity:                              |  | <input type="checkbox"/> Braided                                                                                                                                                                                                                                                                                                                  | <input checked="" type="checkbox"/> Meandering | <input type="checkbox"/> Straight           | <input type="checkbox"/> N/A               |                                          |                                |
| Stream Width (ft.): <u>None</u>         |  | Water Surface (At Crossing Location) <u>None</u>                                                                                                                                                                                                                                                                                                  |                                                |                                             |                                            |                                          |                                |
| 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:                        |  | <u>Vegetation Change.</u>                                                                                                                                                                                                                                                                                                                         |                                                |                                             |                                            |                                          |                                |
| Bank Height (ft.): (Looking Downstream) |  | Left: <input checked="" type="checkbox"/> 0-2 <input type="checkbox"/> 2-4 <input type="checkbox"/> 4-6 <input type="checkbox"/> 6-8 <input type="checkbox"/> 8+<br>Right: <input checked="" 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 checked="" type="checkbox"/> 4:1 <input type="checkbox"/> 3:1 <input type="checkbox"/> 2:1 <input type="checkbox"/> 1:1 <input type="checkbox"/> Vertical<br>Right: <input checked="" type="checkbox"/> 4:1 <input type="checkbox"/> 3:1 <input type="checkbox"/> 2:1 <input type="checkbox"/> 1:1 <input type="checkbox"/> Vertical |                                                |                                             |                                            |                                          |                                |



# 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>Clay 100%</i>                                                                                                                          |                                                   |                                                              |                                                                            |
| Aquatic Habitats:                                                                                                                                             |                                                   |                                                              |                                                                            |
| <input type="checkbox"/> Sand Bar                                                                                                                             | <input type="checkbox"/> Gravel Riffle            | <input checked="" type="checkbox"/> In-stream Emergent Plant | % Cover: <i>75</i>                                                         |
| <input type="checkbox"/> Gravel Bar                                                                                                                           | <input type="checkbox"/> Deep Pools               | <input type="checkbox"/> In-stream Submerged Plant           | % Cover:                                                                   |
| <input type="checkbox"/> Mud Bar                                                                                                                              | <input type="checkbox"/> Bank Root Systems        | <input checked="" type="checkbox"/> Fringing Wetlands        | Characteristics: <i>Emergent wetland vegetation along edge of channel.</i> |
| <input type="checkbox"/> Undercut Banks                                                                                                                       | <input type="checkbox"/> Overhanging Trees/Shrubs | <input type="checkbox"/> None                                |                                                                            |
| Aquatic Organisms Observed: <i>N/A</i>                                                                                                                        |                                                   |                                                              |                                                                            |
| Riparian Zone:                                                                                                                                                |                                                   |                                                              |                                                                            |
| Width of Natural Vegetation Zone from Edge of Active Channel out to Flood Plain (ft): Left - <i>20</i> Right - <i>15</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 type="checkbox"/> Natural <input type="checkbox"/> Artificial (Man-Made) <input checked="" type="checkbox"/> Manipulated                               |                                                   |                                                              |                                                                            |
| Channel Condition:                                                                                                                                            |                                                   |                                                              |                                                                            |
| <input type="checkbox"/> Channelization/Braiding <input type="checkbox"/> Unnatural Straightening <input type="checkbox"/> Downcutting                        |                                                   |                                                              |                                                                            |
| <input checked="" 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:                                                       |

|                                                                                                                                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Comments:                                                                                                                                                                                                          |
| <i>Tributary is dammed by a pond north of crossing, which has created current conditions. Tributary likely only exhibit significant flow during pond overflow. Significant amounts of vegetation within banks.</i> |

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