



ENVIRONMENTAL & STATISTICAL CONSULTANTS

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June 7, 2013

Kevin L. Solie
Senior Water Quality/Waste Management Coordinator
Basin Electric Power Cooperative
1717 East Interstate Ave
Bismarck, North Dakota 58503

RE: AVS-NGP Project Wetland and Waterbody Mapping

Dear Mr. Solie,

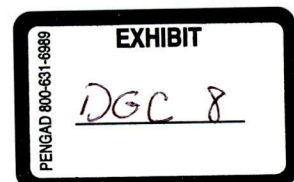
Western EcoSystems Technology, Inc. (WEST) implemented a wetland and waterbody mapping effort associated with a 3.5 mile long natural gas pipeline at Basin Electric's Antelope Valley Station near Beulah, North Dakota. The mapping was done on May 17, 2013. Qualified WEST wetland professionals walked or otherwise viewed the entire pipeline construction area (approximately 100 foot wide corridor), as well as additional areas associated with string-out work and additional workspace. WEST continued the mapping effort at a minimum of 100 foot corridor even in areas planned for boring. During the mapping, WEST used a sub-meter GPS unit to collect field data to map the edges of wetlands based on vegetation and hydrology parameters and waterbody features based on defined bed/bank, evidence of flow, or standing water.

A total of three wetlands were mapped and a total of three waterbodies were mapped. Dominant vegetation within the wetlands included reed canary grass, cattails, and prairie cordgrass. Potential waterbodies included a concrete lined canal as well as two other drainages. The attached figure shows the locations of these features. All features were located on the north end of the project, which is shown in the figure. A shapefile of these locations will also be provided.

Please let me know if you have any questions or need further details on this mapping effort.

Sincerely,





Clayton Derby
Senior Manager



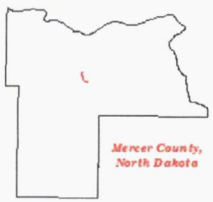
AVS Proposed Natural Gas Pipeline

Mapped Water Features

Map Features

-  Pipeline Route
-  Work Spaces
-  Access Roads
-  Mapped Wetland Locations
-  Mapped Waterbody Locations

Map Location



0 250 500 1,000 Feet

0 50 100 200 Meters

Water features mapped on 05/17/2013.
Map created on 05/21/2013 by T. Thorn.

