



North Dakota Geological Survey

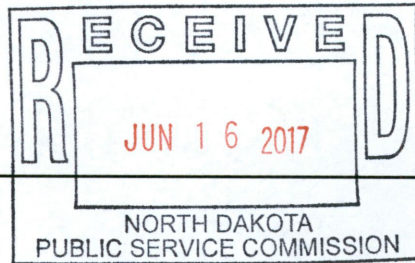
Edward C. Murphy - State Geologist

Department of Mineral Resources

Lynn D. Helms - Director

North Dakota Industrial Commission

www.state.nd.us/ndgs



June 15, 2017

Geri Schmaltz
Administrative Officer
N.D. Public Service Commission
600 East Boulevard Ave, Dept. 408
Bismarck, ND 58505-0480

Re: Cenex Pipeline, LLC (PU-17-97) – 10” Refined Fuels Proposed Pipeline Route Comments

The North Dakota Geological Survey appreciates the notification and opportunity to review and provide comment on the proposed oil and gas energy development project. The Notice of Filings and Public Hearings submitted to our office on May 11, 2017 was reviewed on May 19, 2017. We dropped in the approximate route of the proposed pipeline on our landslide base map and compared the proposed route to the locations of landslides that have been identified by detailed mapping work previously completed by our office.

From this comparison, it appears that the project route may intersect directly with previously mapped landslide areas in west-central Mountrail Co. and just east of the City of Minot. The proposed route also appears to pass within areas where the areal density of mapped landslides is high in western and eastern Williams Co. and western Mountrail Co (Attachment 1). There should be careful examination of route selection and construction practices in these potentially unstable areas and these areas should be avoided whenever possible.

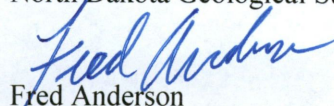
Downloadable Areas of Landslide maps and available detailed LiDAR elevation mapping and data products for the 1:24,000 scale quadrangles across the proposed pipeline route can be found on our website at:

<https://www.dmr.nd.gov/ndgs/SurfaceMap/SurfaceMap.asp?source=landslide24k>

You may also contact our offices directly, with any additional questions or comments, at (701) 328-8000.

Sincerely,

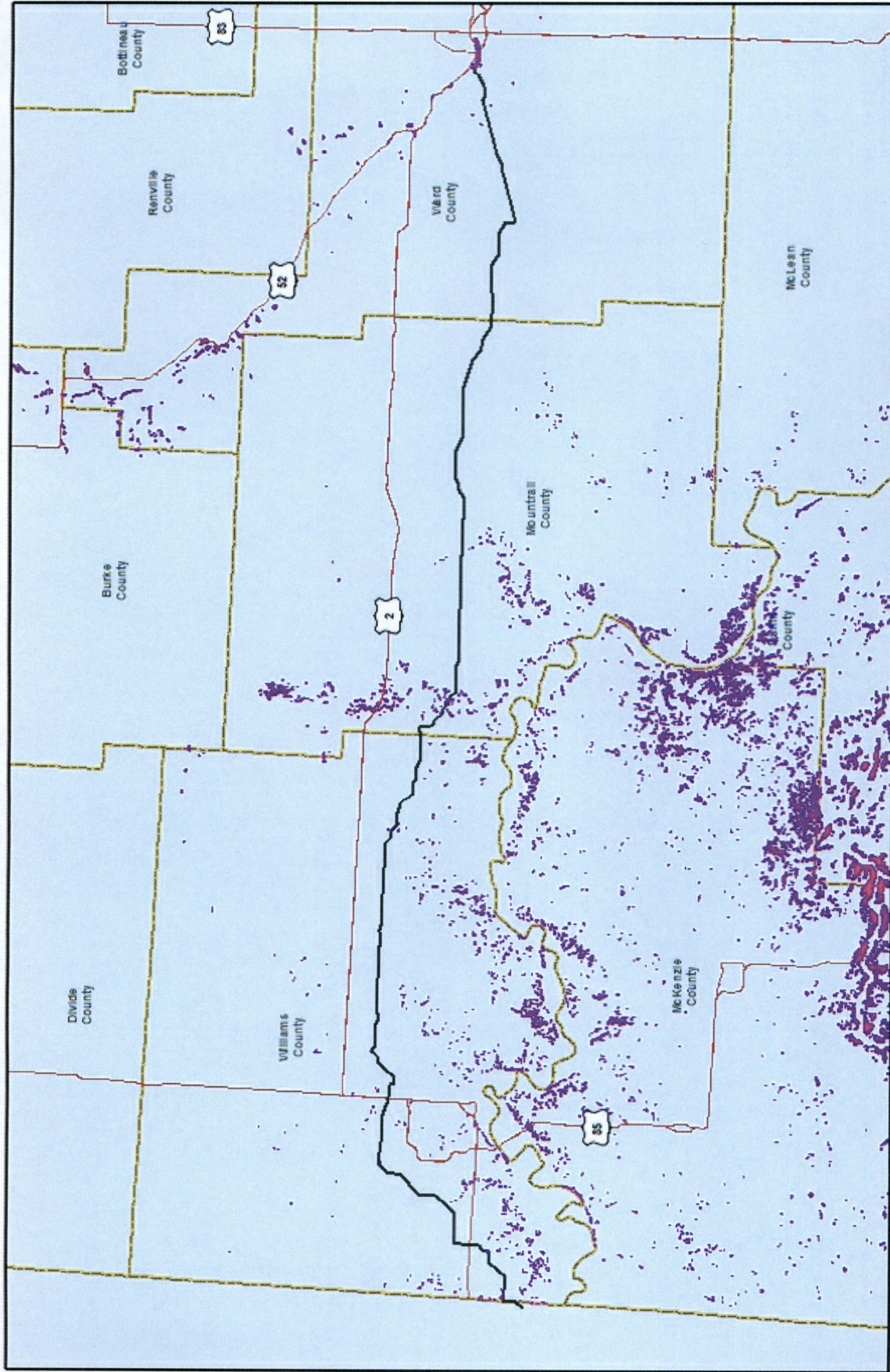
North Dakota Geological Survey:


Fred Anderson
Geologist

25 PU-17-97 Filed: 6/16/2017 Pages: 2
Comments re proposed route

FJA\Attachment 1.

North Dakota Geological Survey
Fred Anderson, Geologist



- Legend**
- Landslides
 - Approximate Proposed Pipeline
 - Federal Highway

Cenex pipeline, LLC Refined Fuels Pipeline



Universal Transverse Mercator, Zone 14
North American 1983 Datum

