

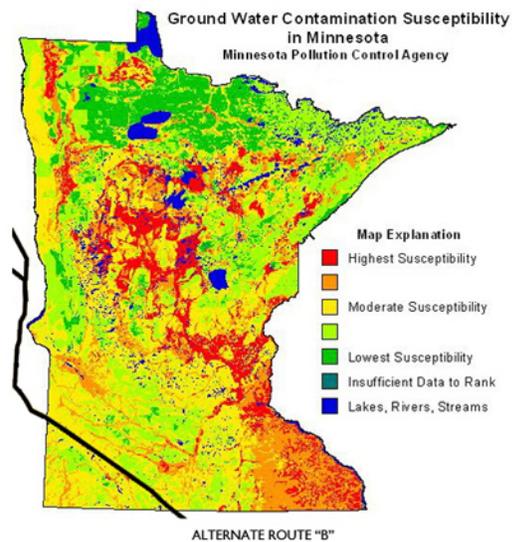
POSITION PAPER - ENBRIDGE/NORTH DAKOTA PIPELINE COMPANY (NDPC) LLC
SANDPIPER PIPELINE PROJECT

Public Utilities Commission (PUC) Docket Number: PL-6668/PPL-13-474

ADDENDUM TO FRIENDS OF THE HEADWATERS ALTERNATE ROUTE PROPOSAL

Friends of the Headwaters preferred alternate to the Sandpiper pipeline corridor is Route A as previously presented. We do, however, have 2 other alternate route proposals which are listed below. The principal reasoning and decisions for *Friends of the Headwaters*' primary Alternate Route "A" also stand for these optional route alternatives. Both of these routes move the Sandpiper pipeline corridor out of the high risk lands and waters of central and northern Minnesota. Both routes move the potential of oil spills away from the Lake Superior basin as well. Alt Route "B" would tie into the existing Enbridge pipeline system in Illinois. Alt Route "C" would connect to the refineries, Flint Hills or Saint Paul Park, southeast of the Minneapolis-St. Paul area or would connect with pipeline systems in the Twin Cities metro area that also connect across Wisconsin to the primary Enbridge pipeline corridor running northwest to southeast down through Wisconsin. The routes attempt to utilize existing energy corridors as much as possible.

ALTERNATE ROUTE "B"



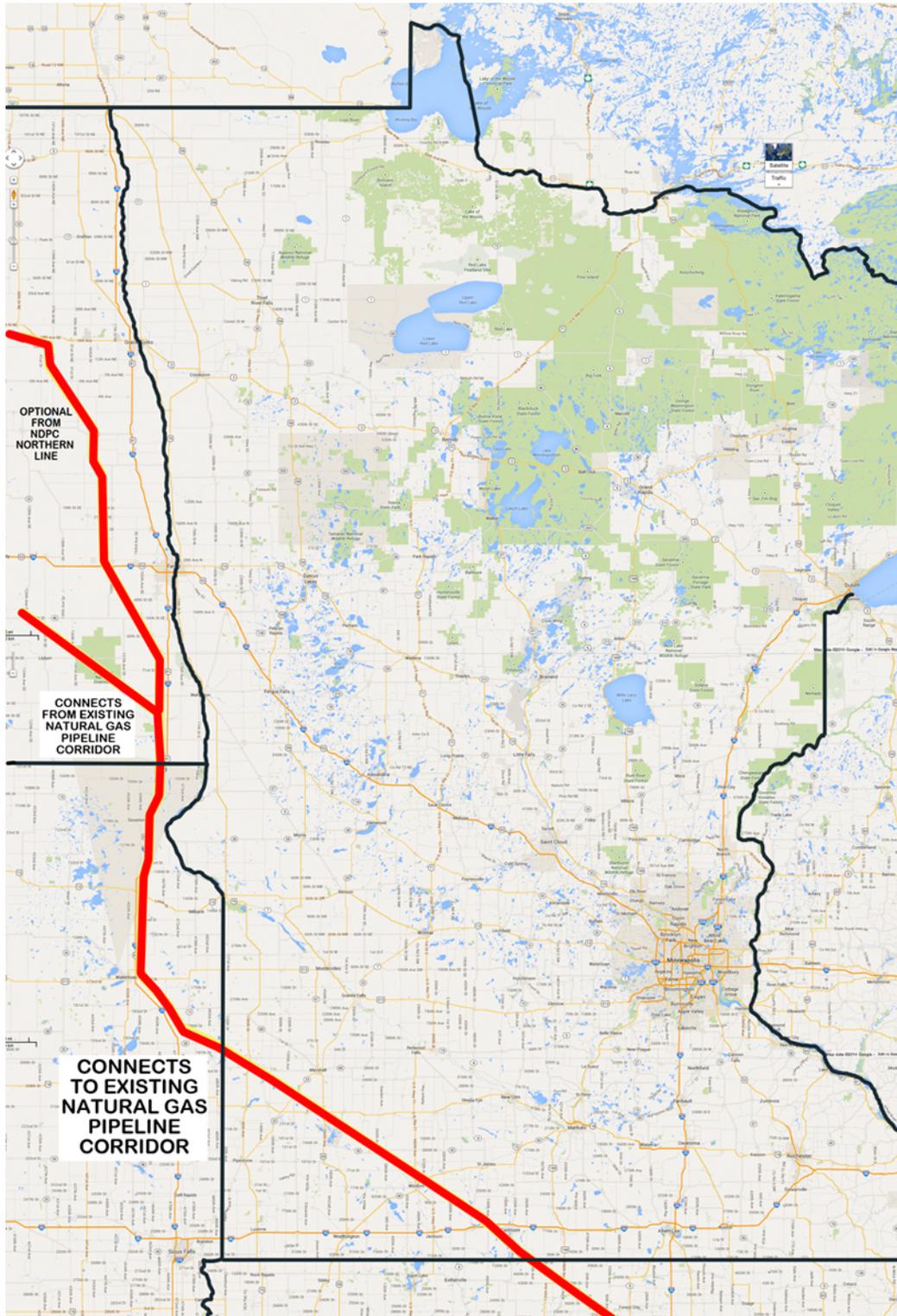
ALTERNATE ROUTE "C"



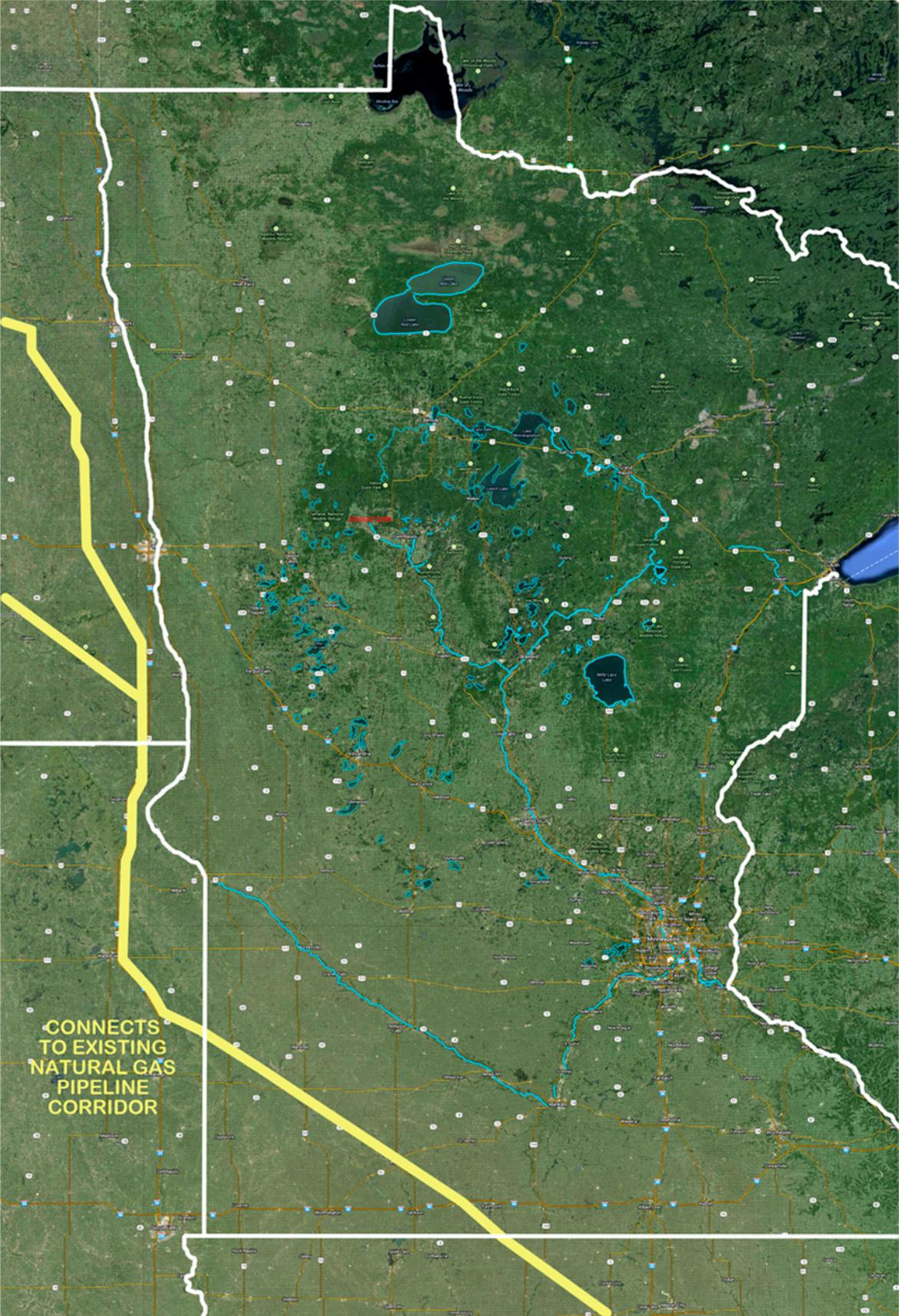
ADDENDUM TO FRIENDS OF THE HEADWATERS ALTERNATIVE ROUTE PROPOSAL

ALTERNATE ROUTE "B"

This is modeled after Alt Route A in that it begins in North Dakota on the Enbridge/Alliance natural gas pipeline corridor. Upon reaching the I29 corridor in eastern North and South Dakota it follows the I29 corridor south until intersecting another natural gas pipeline corridor at which point it follows that corridor to Illinois. This route traverses mostly farmland in the southwest corner of the state and also avoids the two major river crossings of the Red River north of Wheaton, MN and the Minnesota River near Mankato.



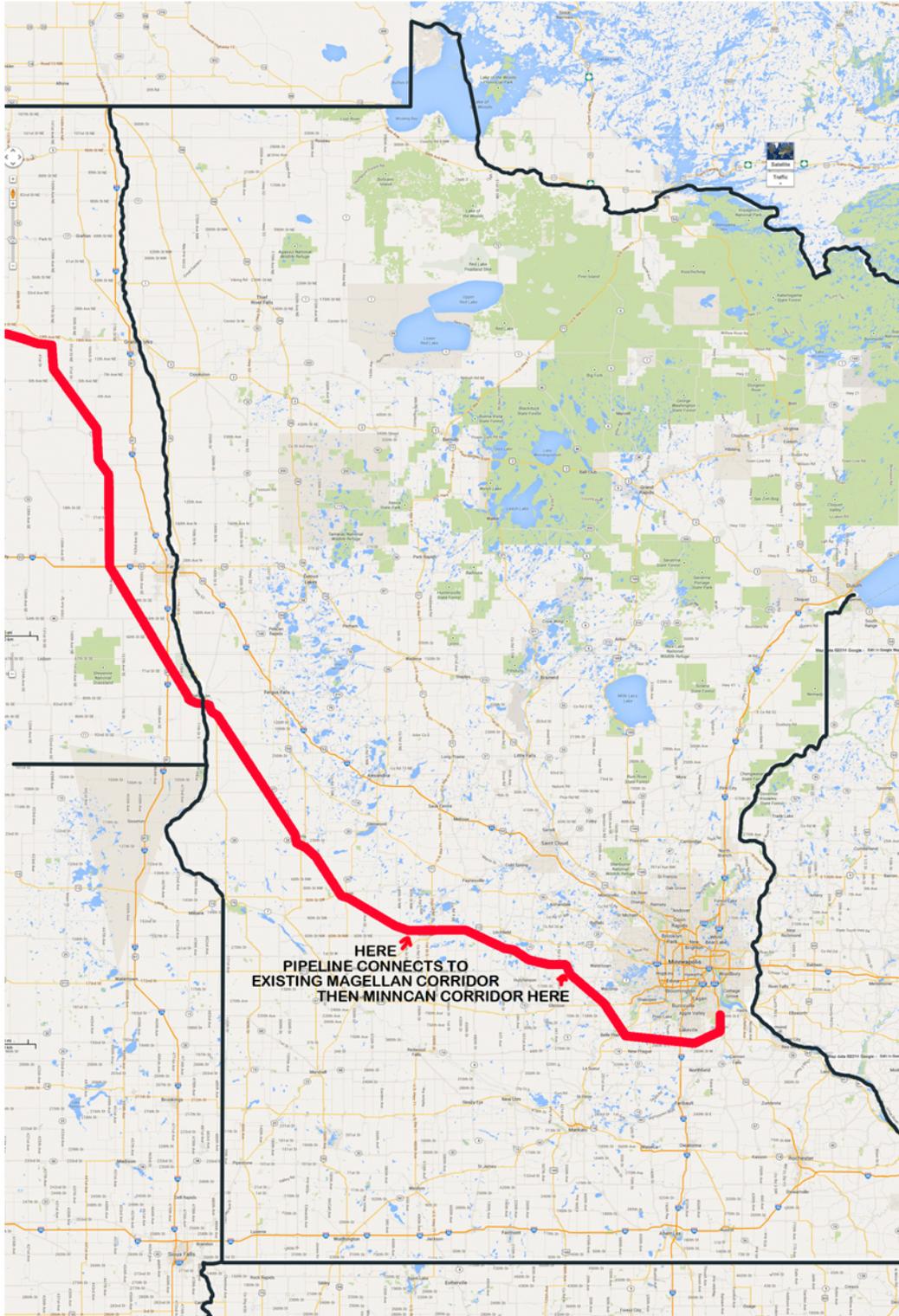
ADDENDUM TO FRIENDS OF THE HEADWATERS ALTERNATIVE ROUTE PROPOSAL
ALTERNATE ROUTE "B"



ADDENDUM TO FRIENDS OF THE HEADWATERS ALTERNATIVE ROUTE PROPOSAL

ALTERNATE ROUTE "C"

West of Grand Forks near Larimore the Sandpiper would turn south following either railroad easements or road easements south-southeast down the Red River Vally, crossing the Red River near Wahpeton, ND and continuing along MN Hgy 9 until it intersects an existing pipeline corridor owned by the Magellan Company. The Sandpiper follows this corridor until its intersection with the MinnCan pipeline corridor at which point it follows this corridor to the Flint Hills and Saint Paul Park refineries and pipeline system southeast of the Twin Cities Metro area.



ADDENDUM TO FRIENDS OF THE HEADWATERS ALTERNATIVE ROUTE PROPOSAL
ALTERNATE ROUTE "C"

