

## **APPENDIX A**

### **Wetland Atlas**

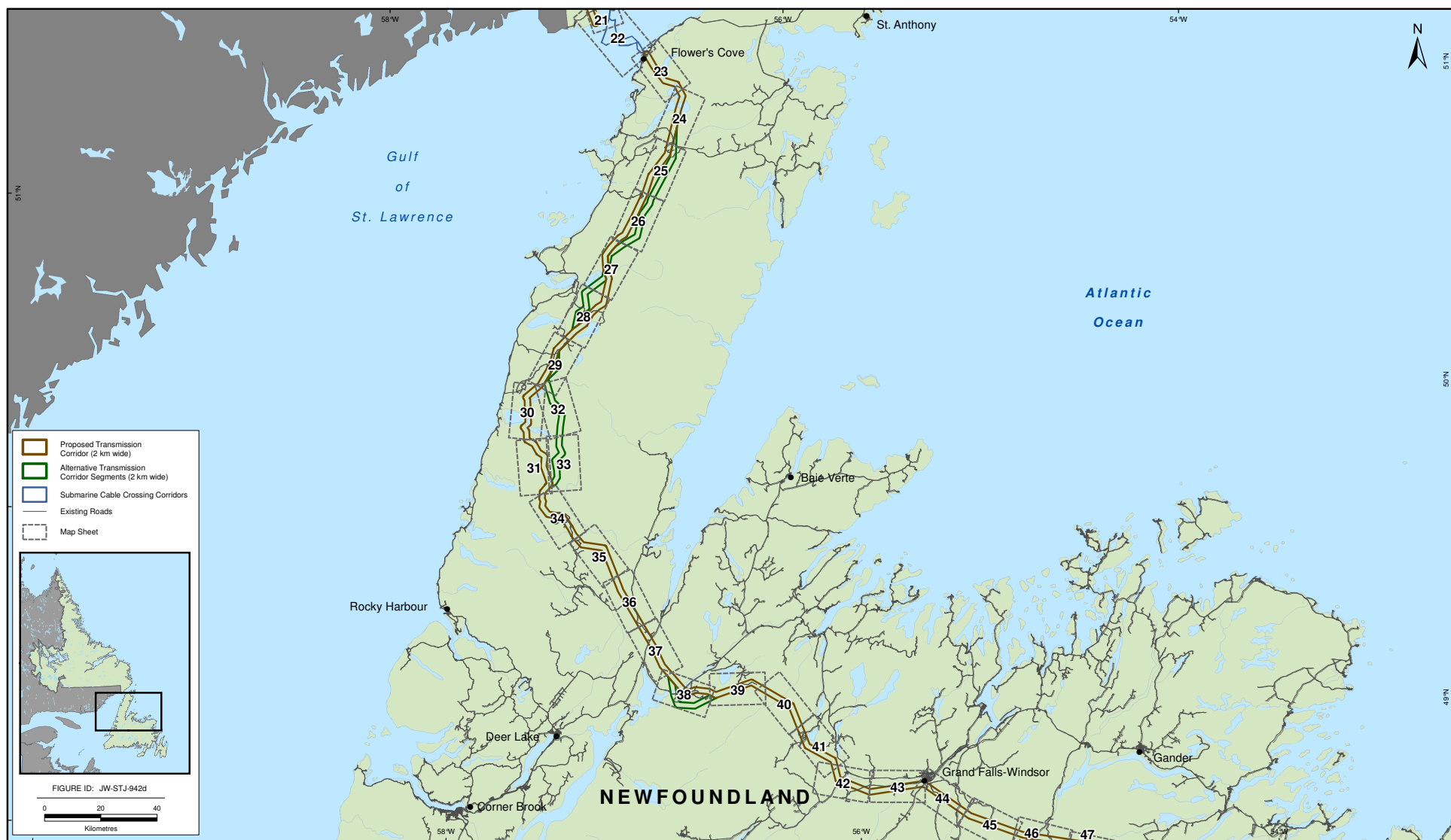
### Wetland Form Classification Codes

| Code | Class            | Form                           |
|------|------------------|--------------------------------|
| a    | Bog / Fen        | Domed                          |
| b    | Bog / Fen        | Slope                          |
| c    | Bog / Marsh      | Basin                          |
| d    | Bog              | Plateau                        |
| e    | Bog              | Blanket                        |
| f    | Bog / Fen        | String                         |
| g    | Bog / Fen        | Ribbed                         |
| h    | Fen              | Ladder                         |
| i    | Marsh            | Riparian                       |
| j    | Peatland Complex | Domed Bog Ladder Fen           |
| k    | Peatland Complex | Slope Bog Ribbed Fen           |
| l    | Peatland Complex | Domed Bog Ladder Fen Slope Fen |
| m    | Peatland Complex | Domed Bog Slope Fen            |
| n    | Peatland Complex | Ribbed Fen Slope Fen           |
| o    | Peatland Complex | Domed Bog Ribbed Fen           |
| p    | Peatland Complex | Domed Bog Slope Bog            |
| q    | Peatland Complex | String Bog Slope Bog           |
| r    | Peatland Complex | String Bog Ribbed Fen          |
| s    | Peatland Complex | String Bog Slope Fen           |
| t    | Peatland Complex | Plateau Bog Slope Bog          |
| u    | Peatland Complex | Plateau Bog String Bog         |
| v    | Peatland Complex | Plateau Bog Slope Fen          |
| w    | Peatland Complex | Plateau Bog Ribbed Fen         |





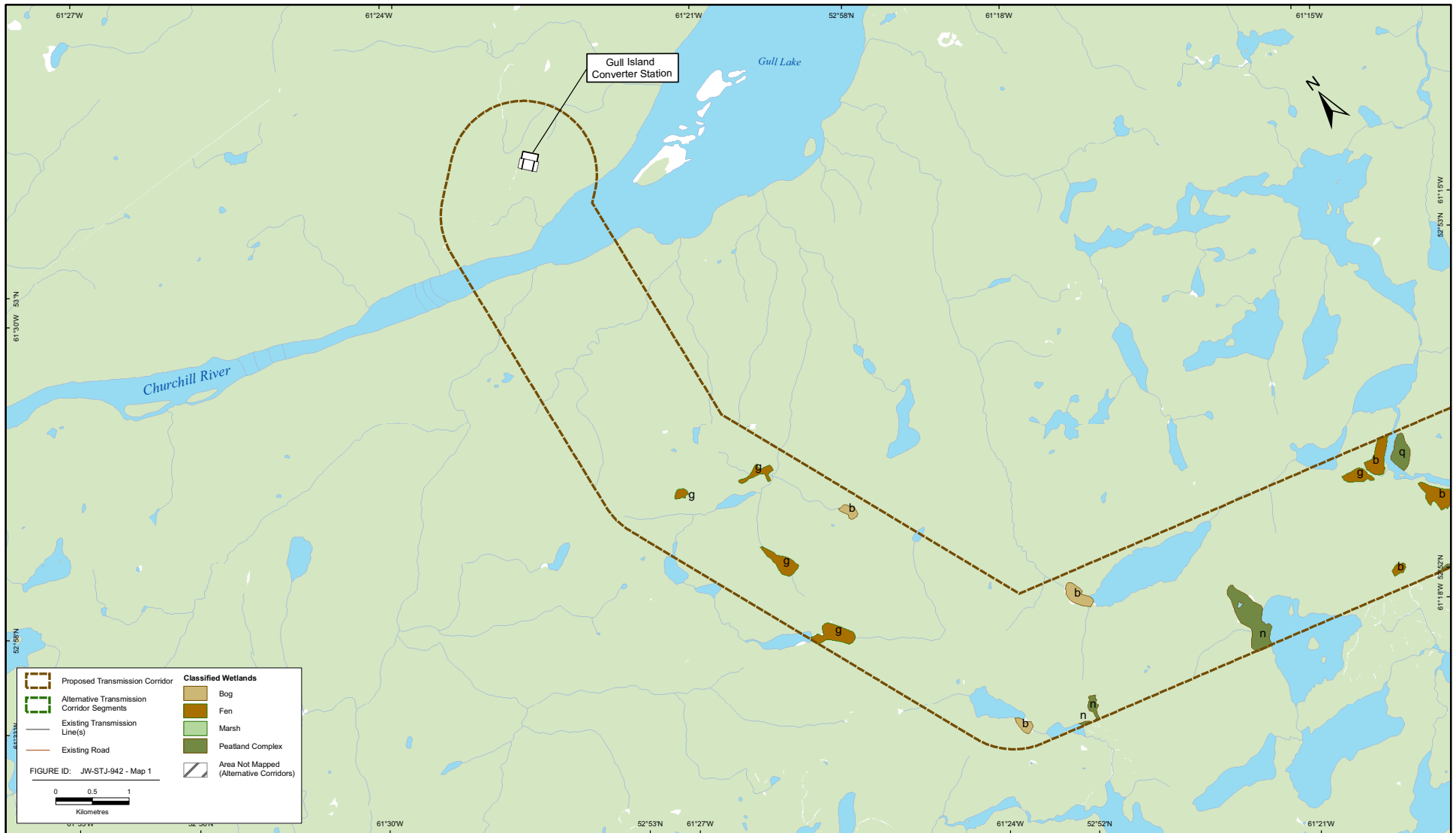


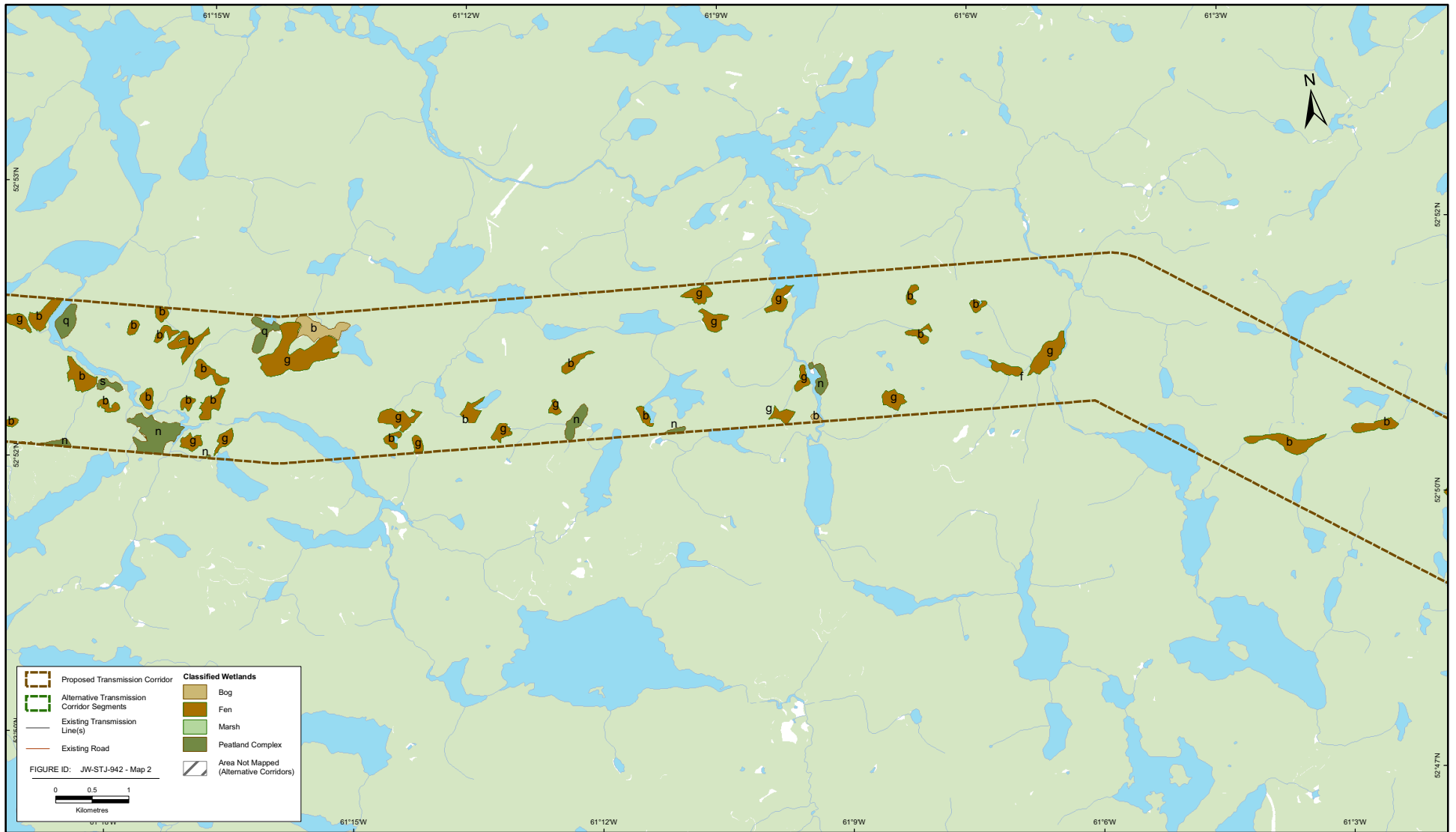


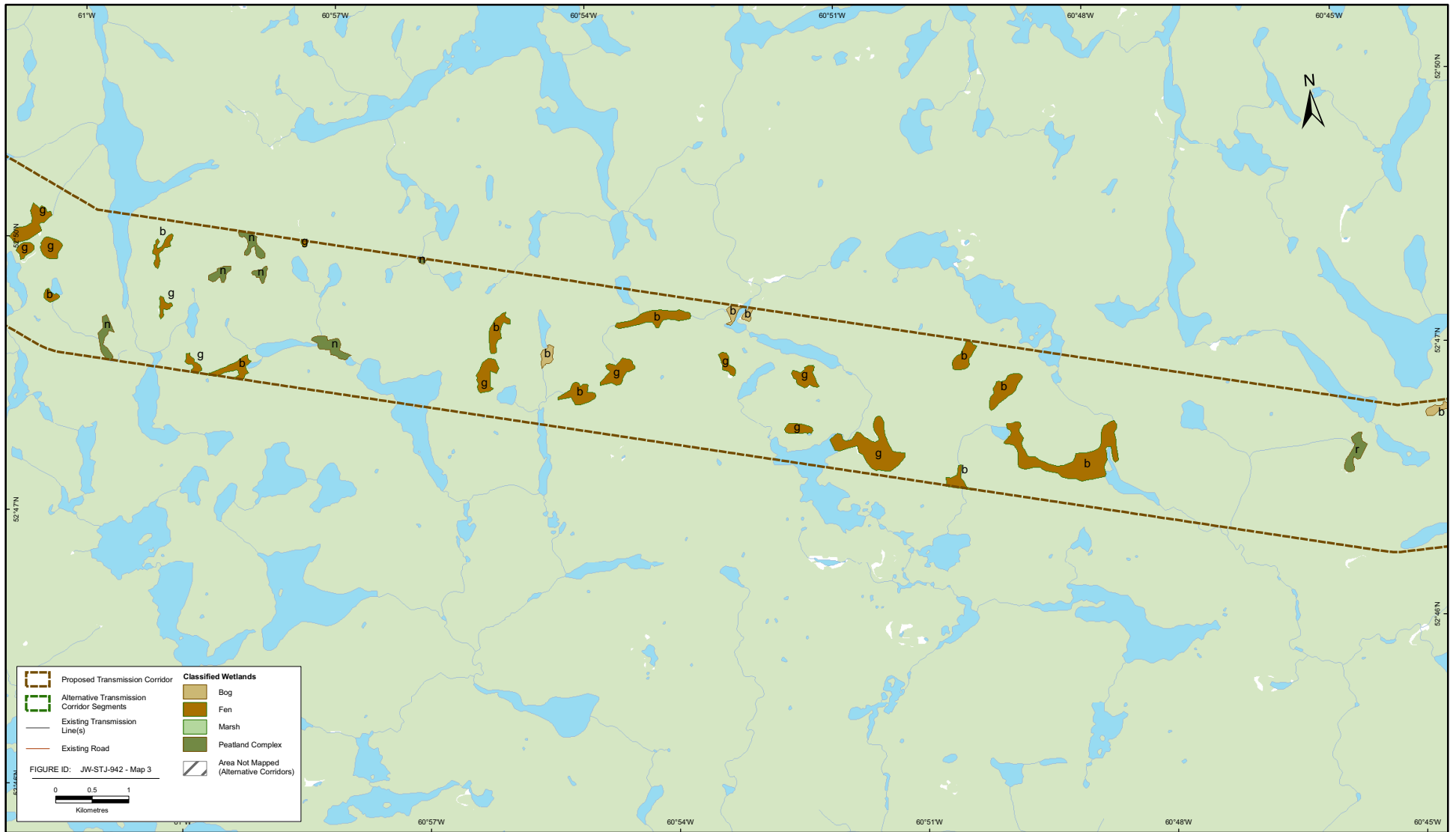
# INDEX C

Labrador - Island Transmission Link: Strait of Belle Isle to Central Newfoundland



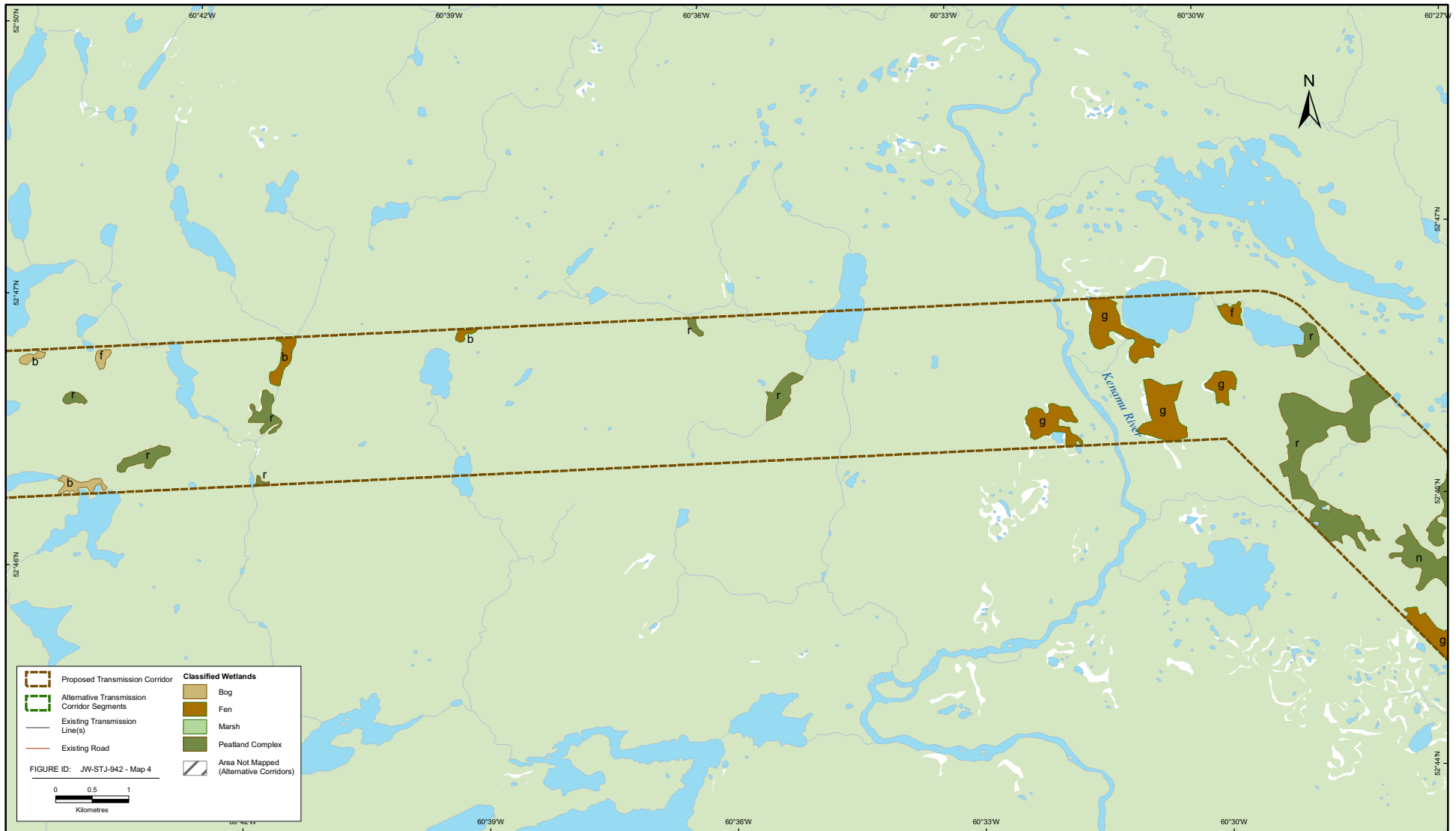


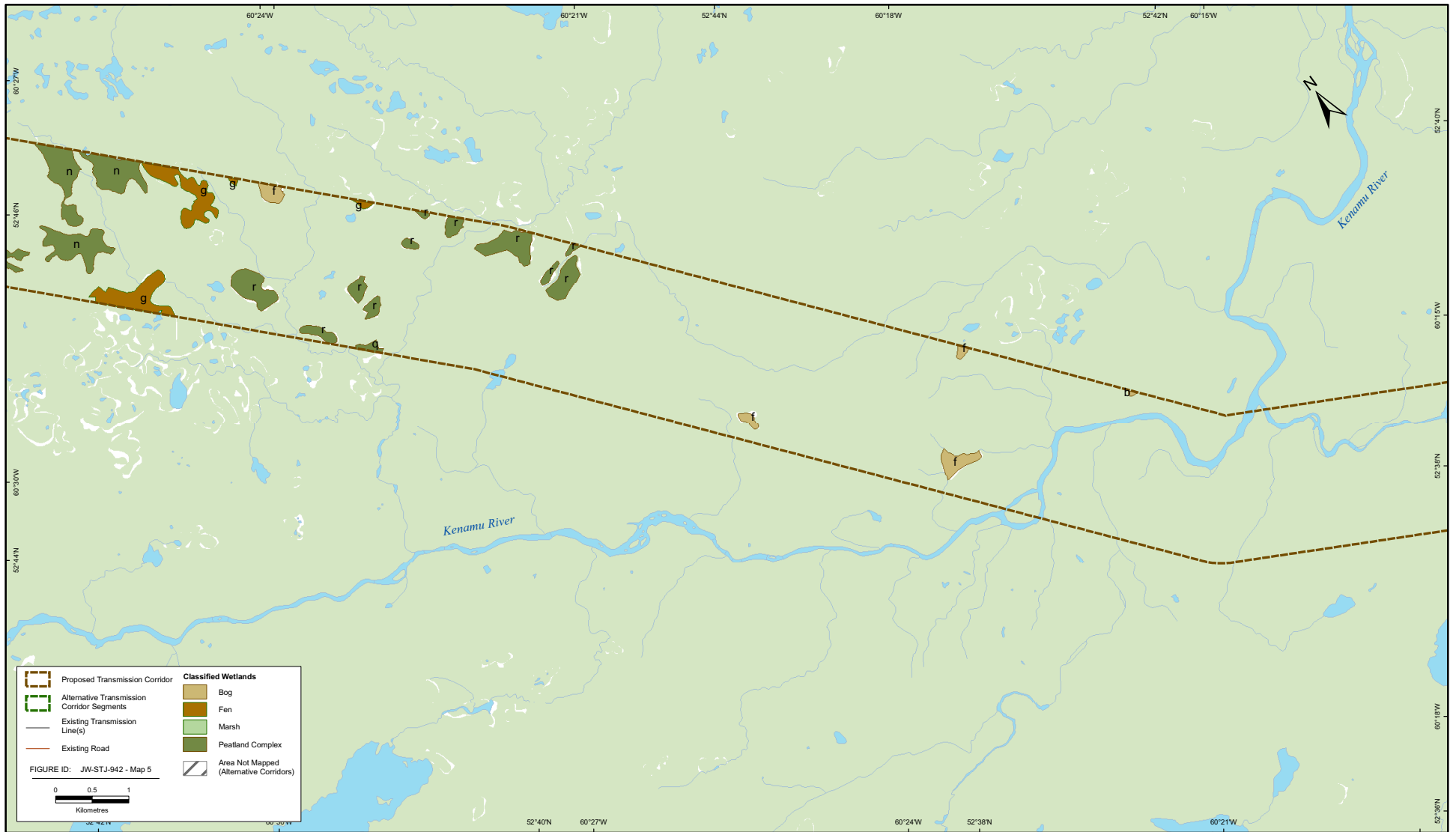


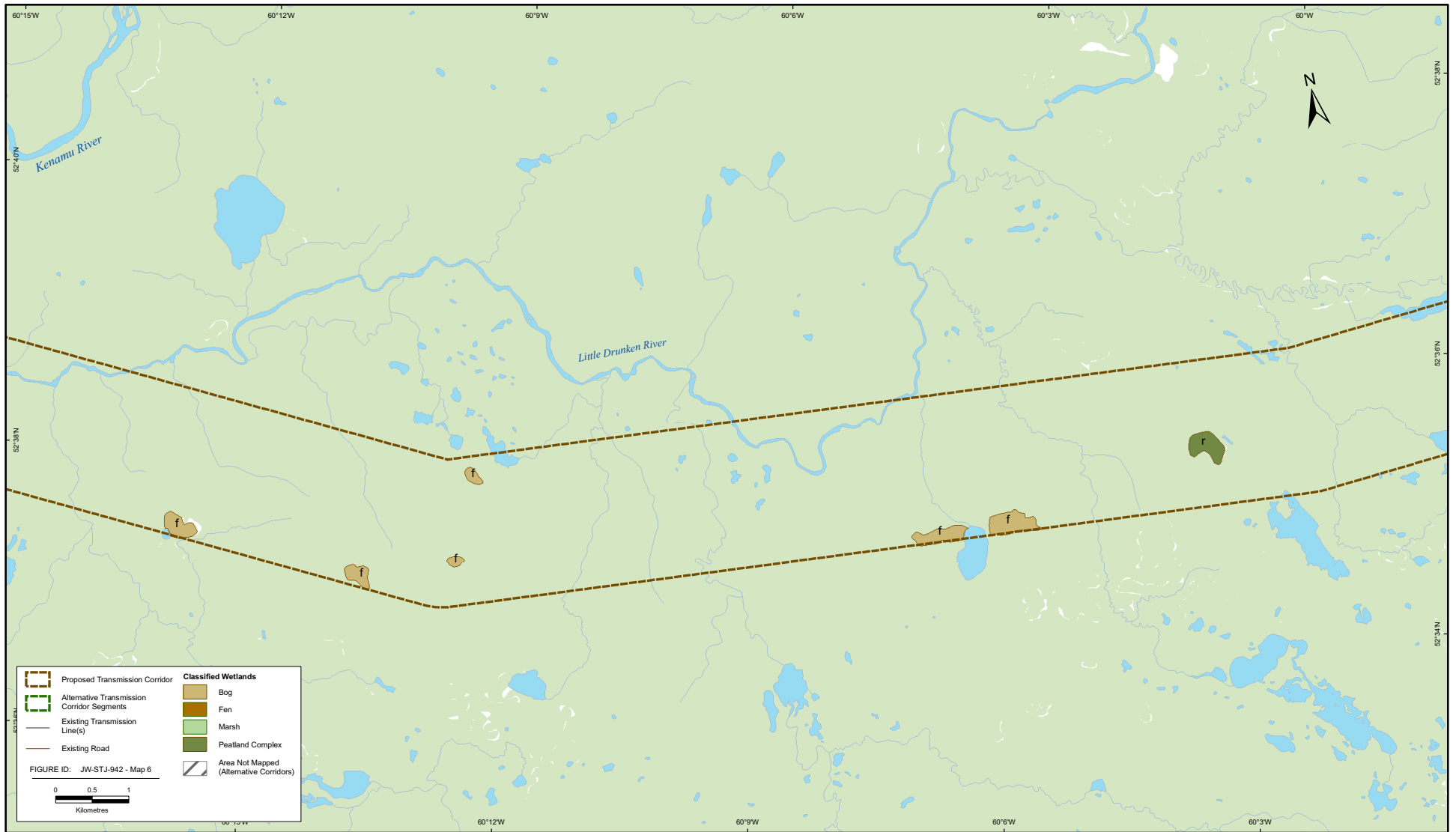


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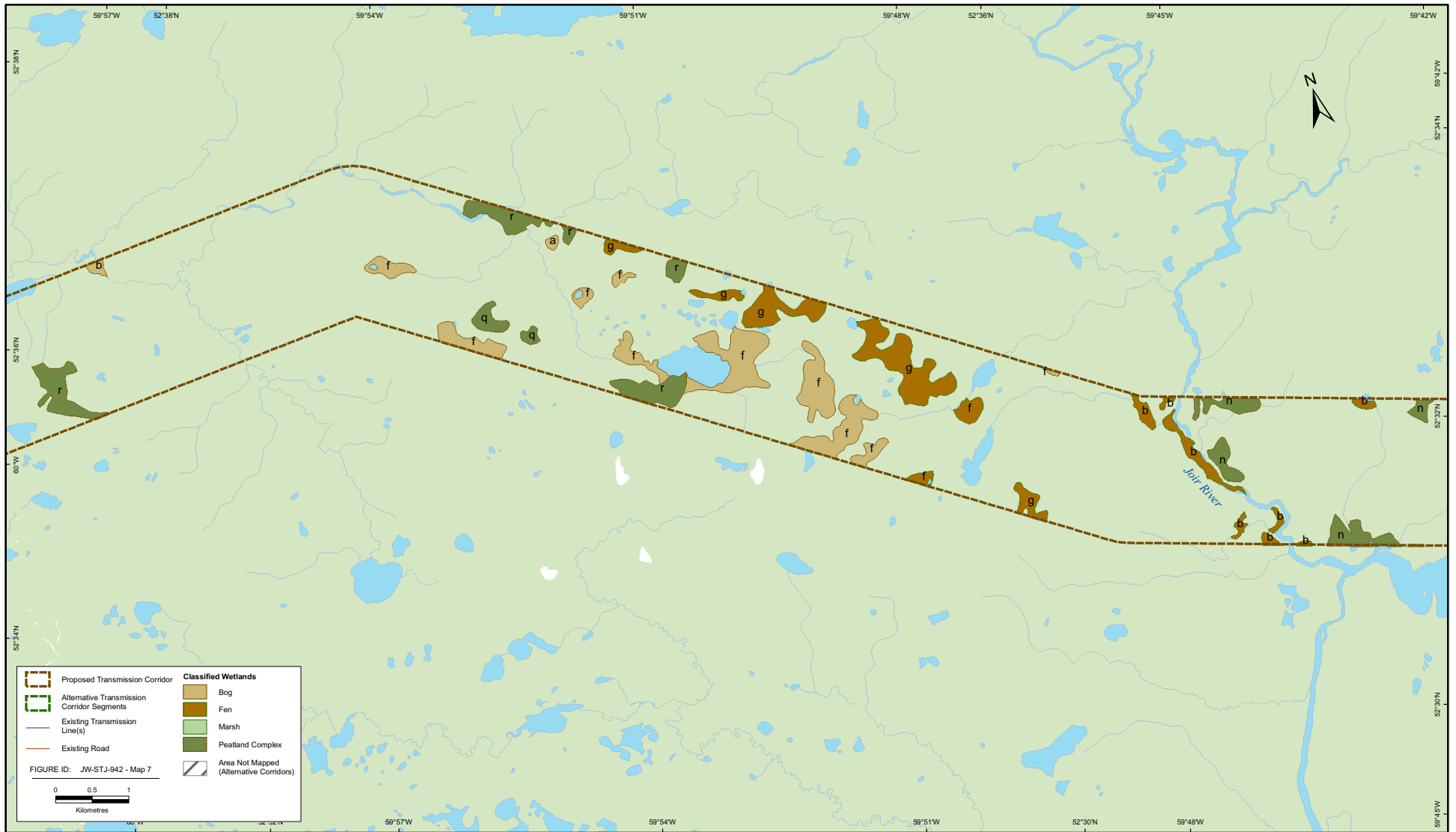
Labrador - Island Transmission Link: Gull Island to Strait of Belle Isle - # 3



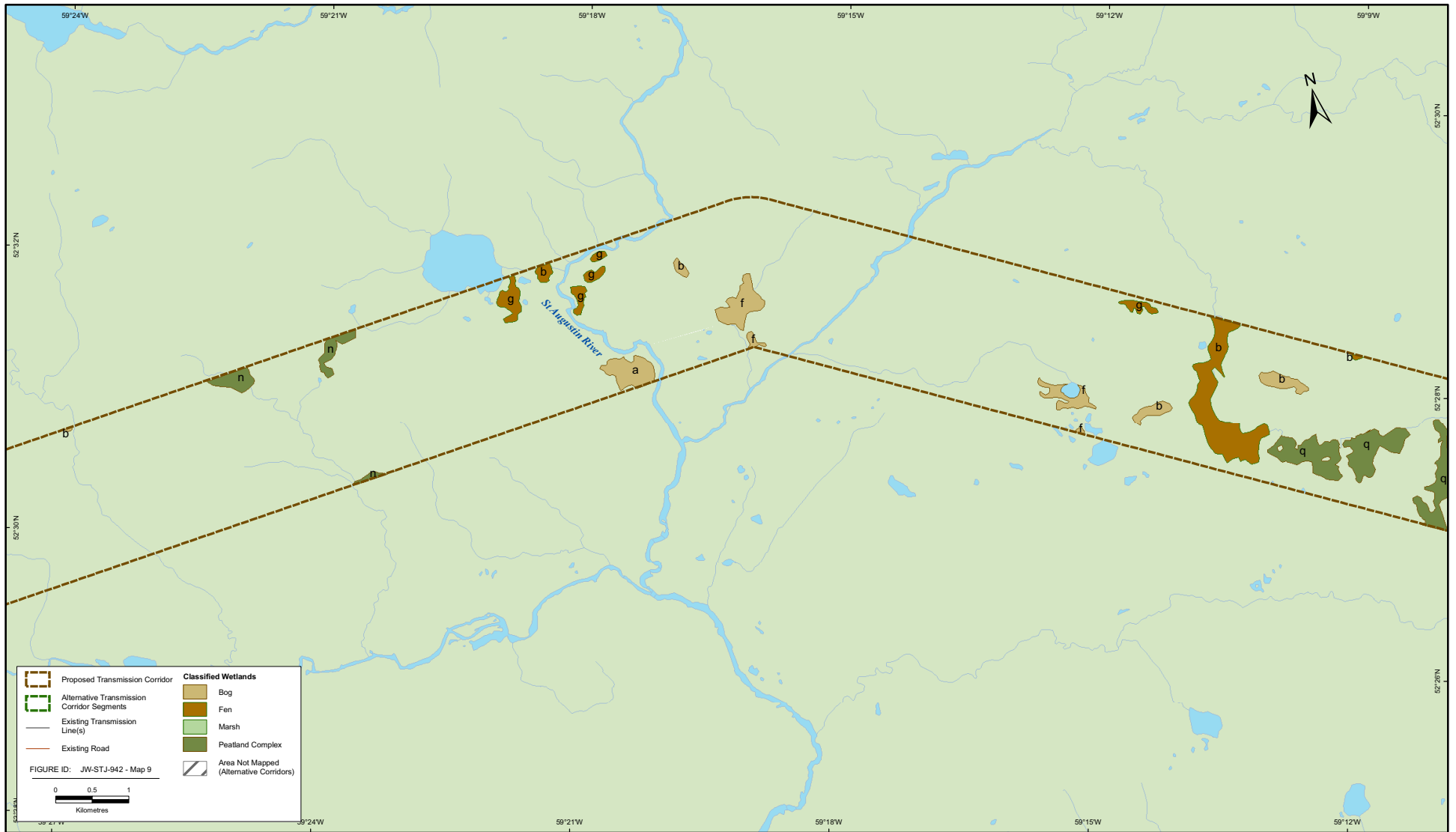


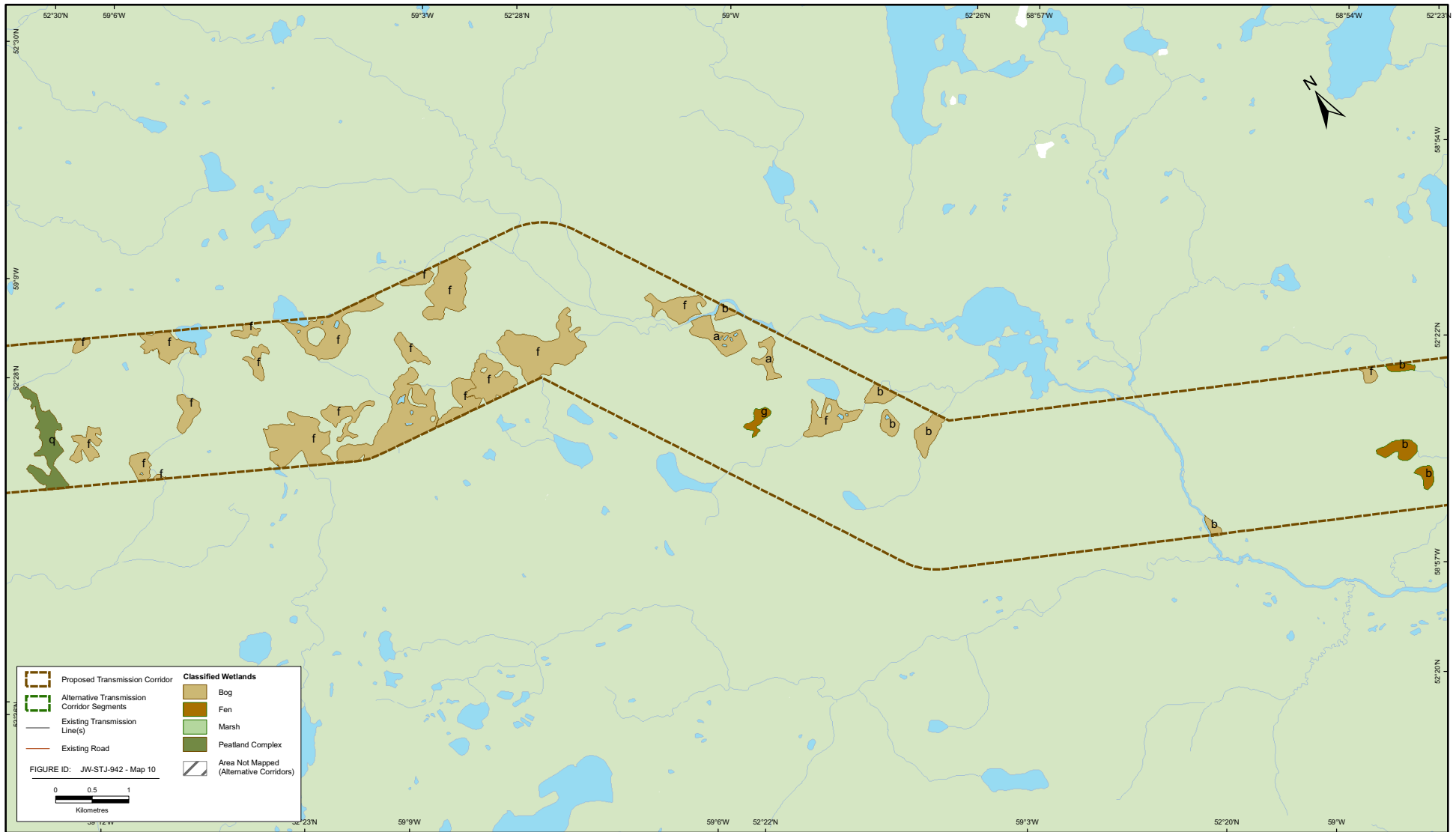


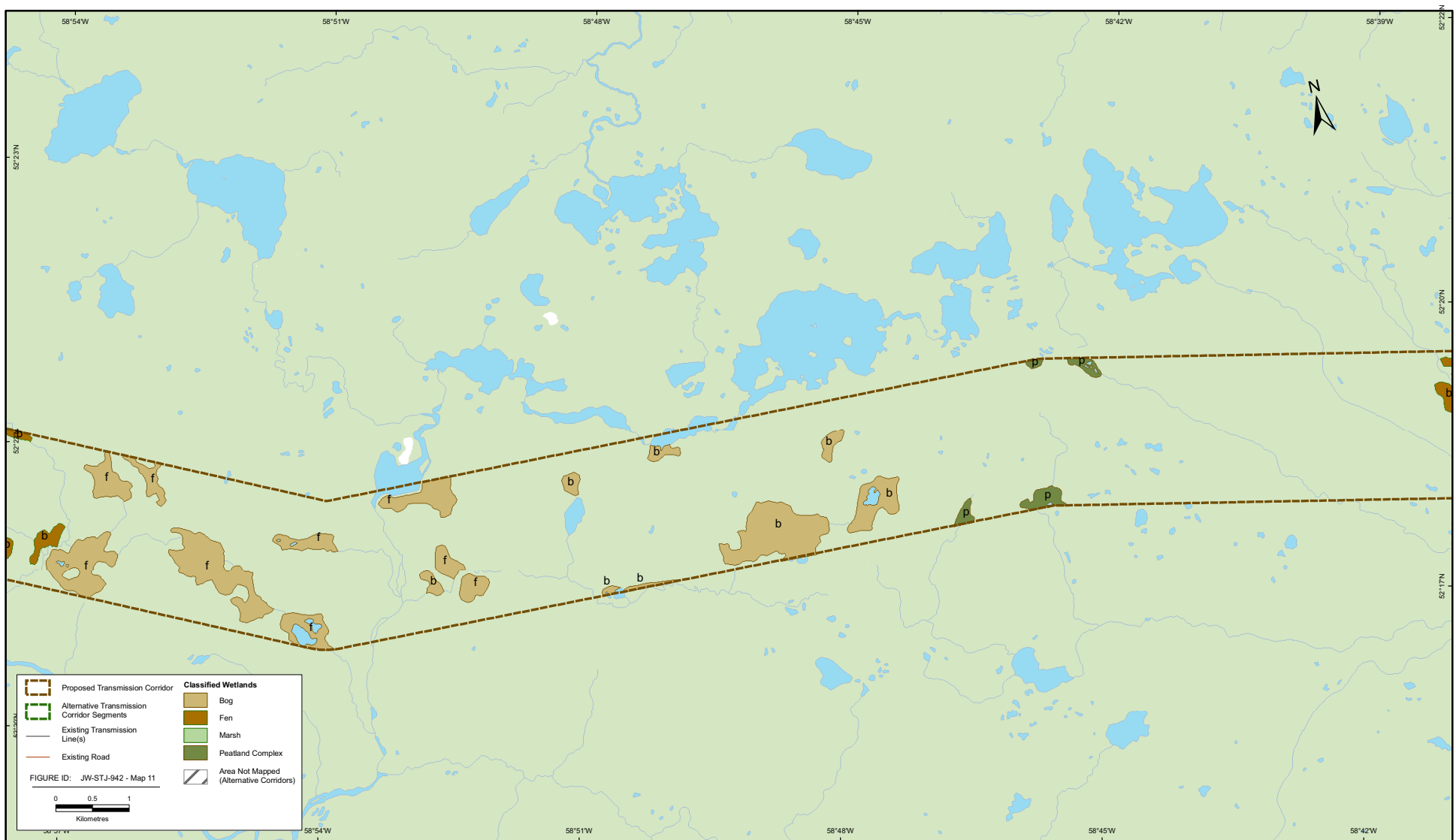


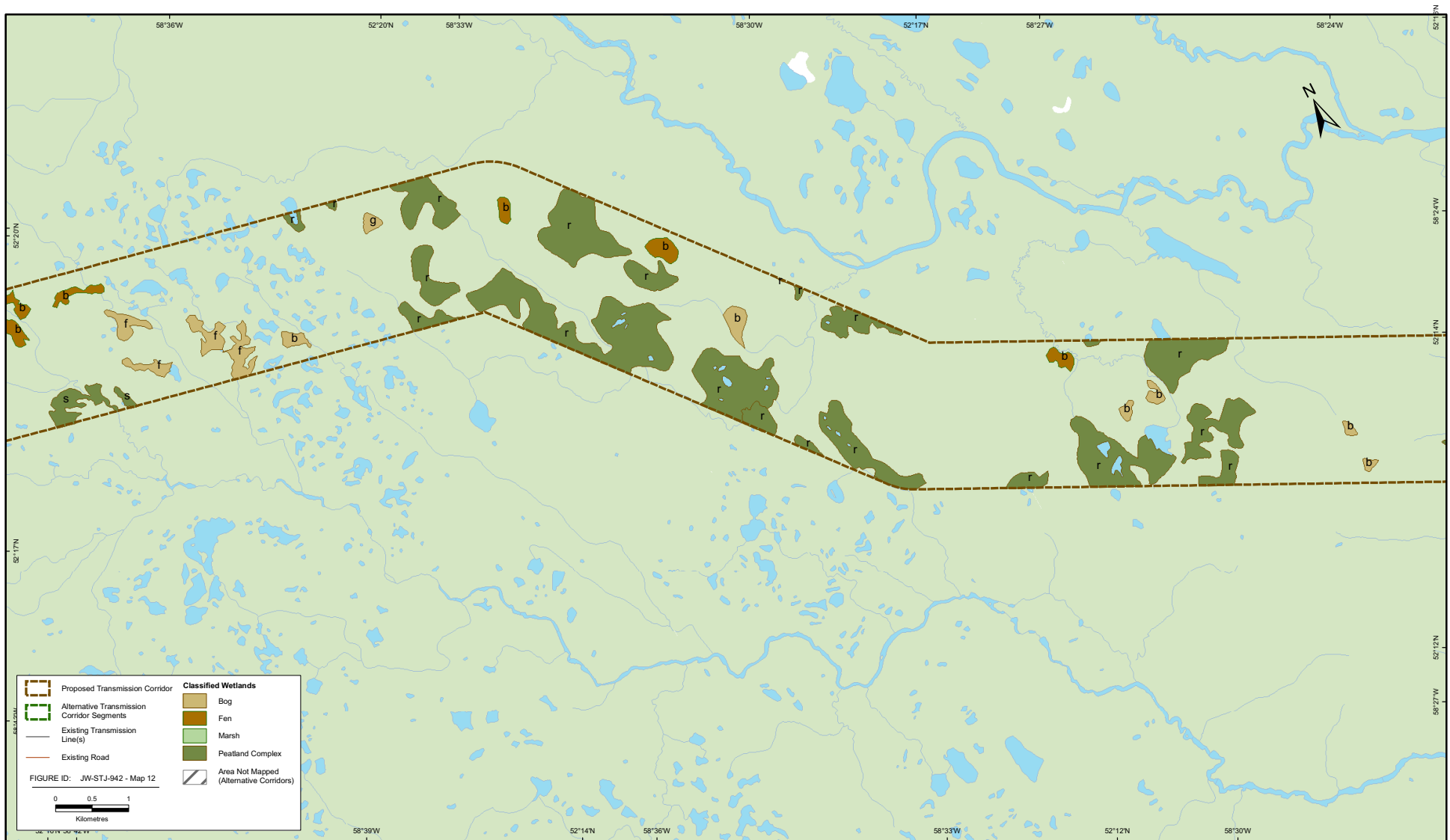


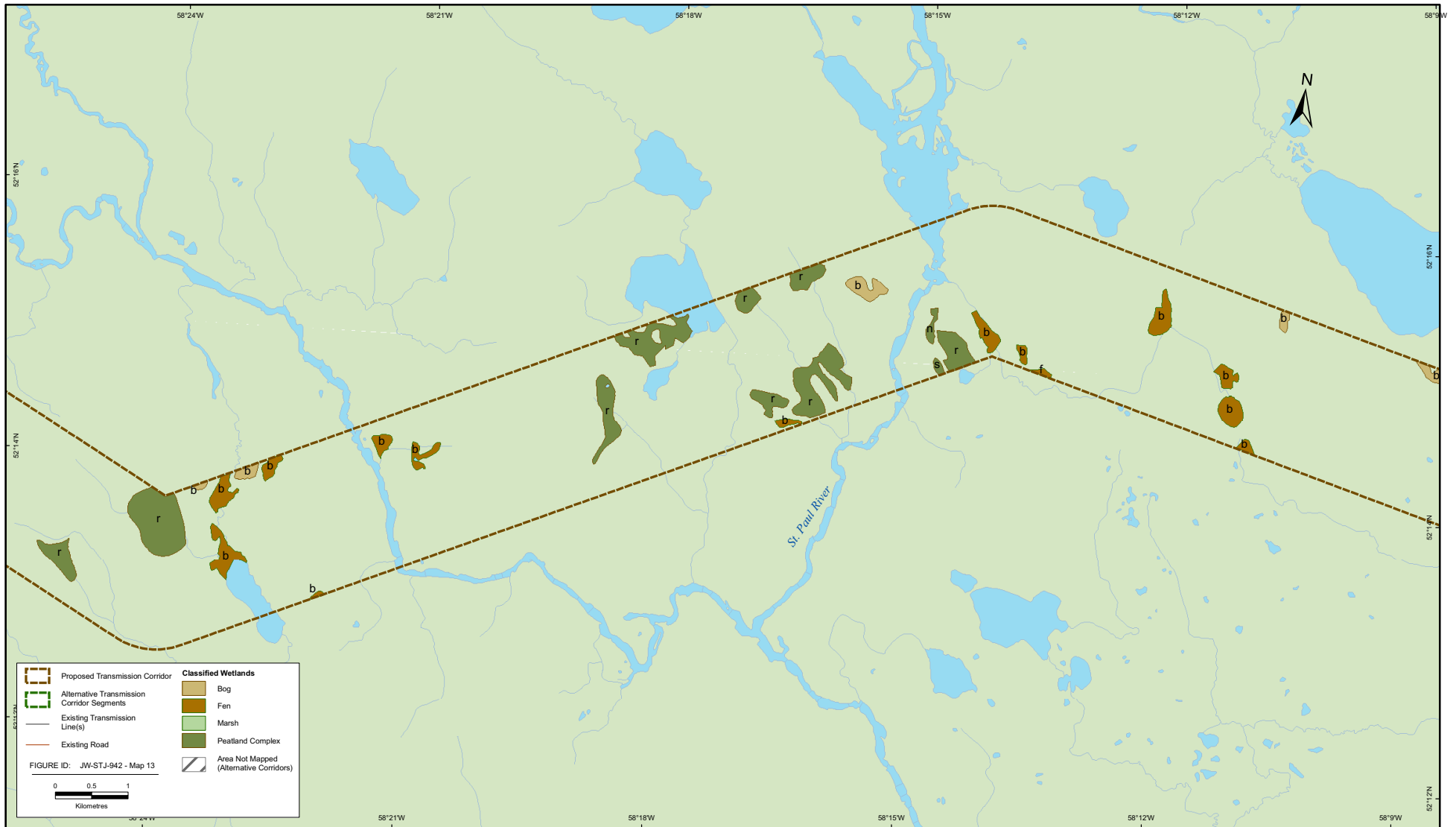






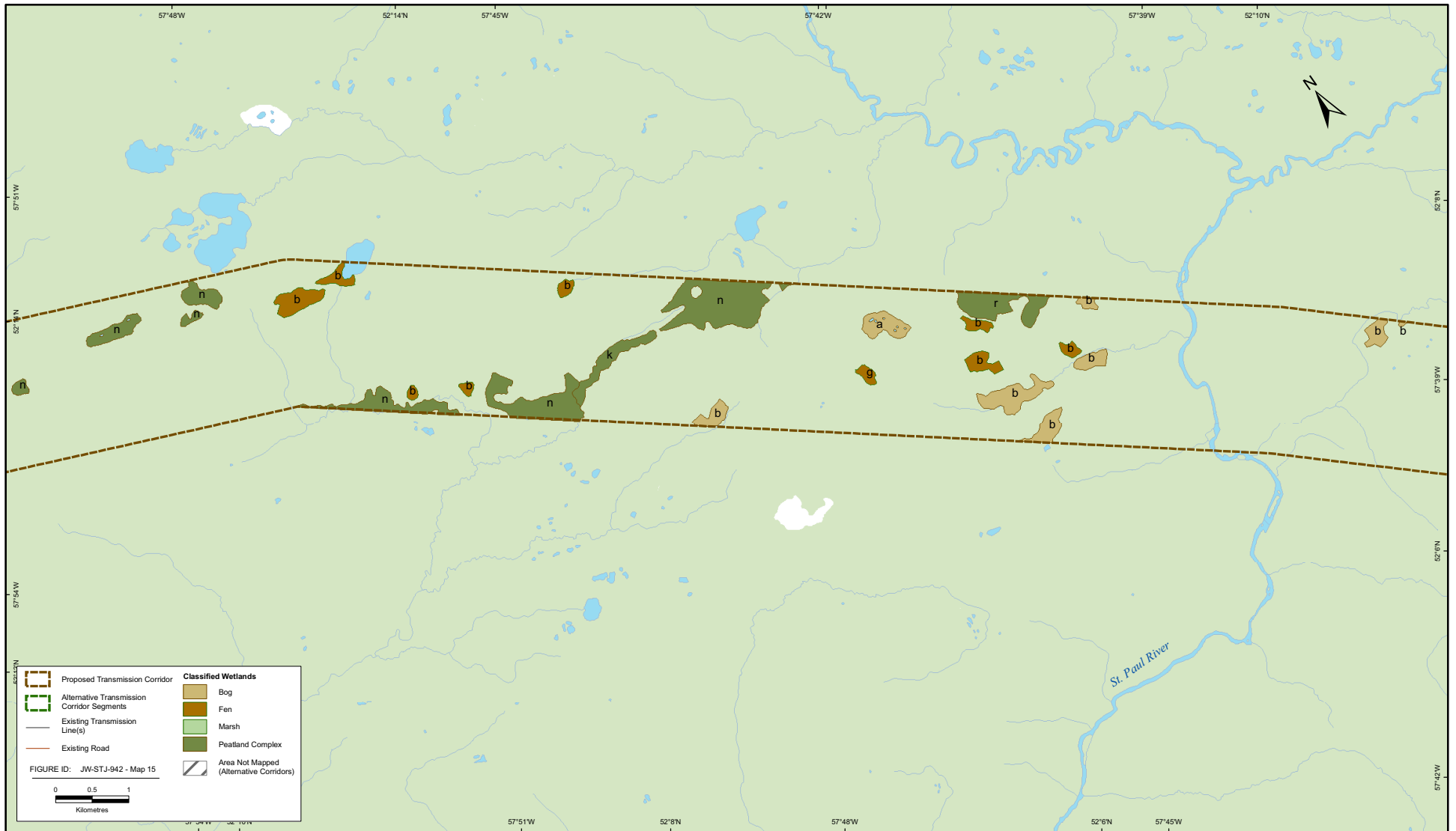


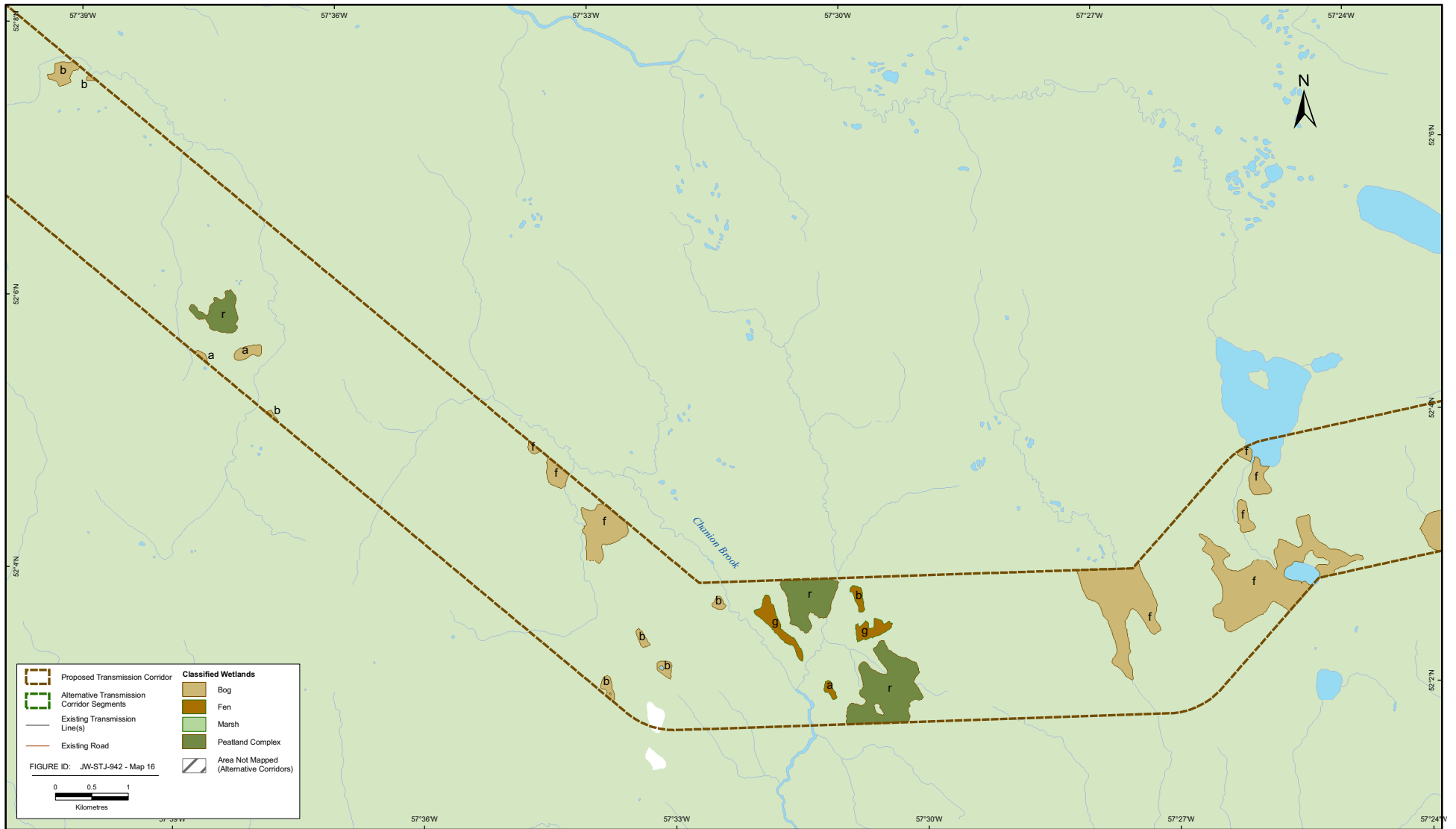


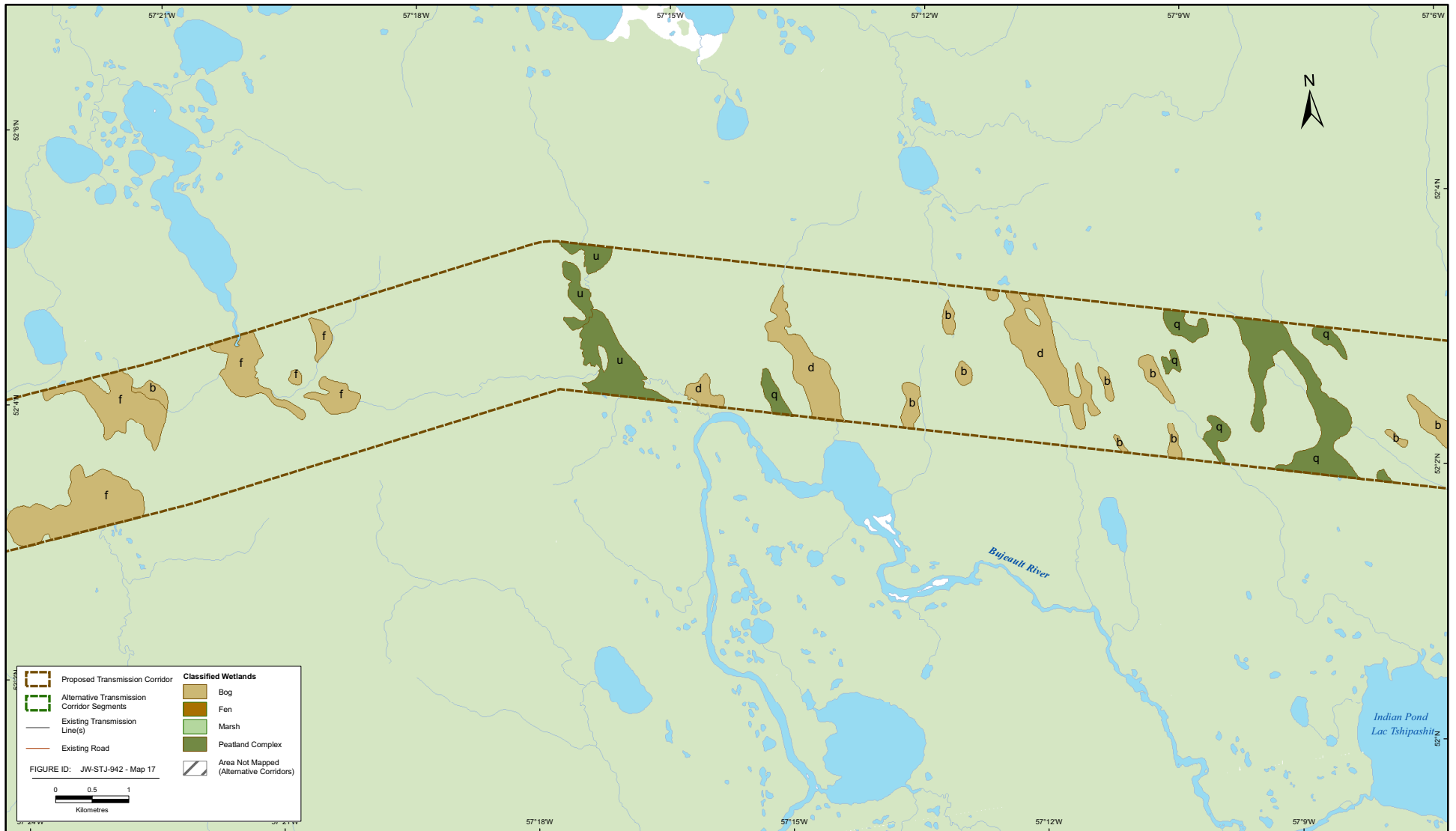


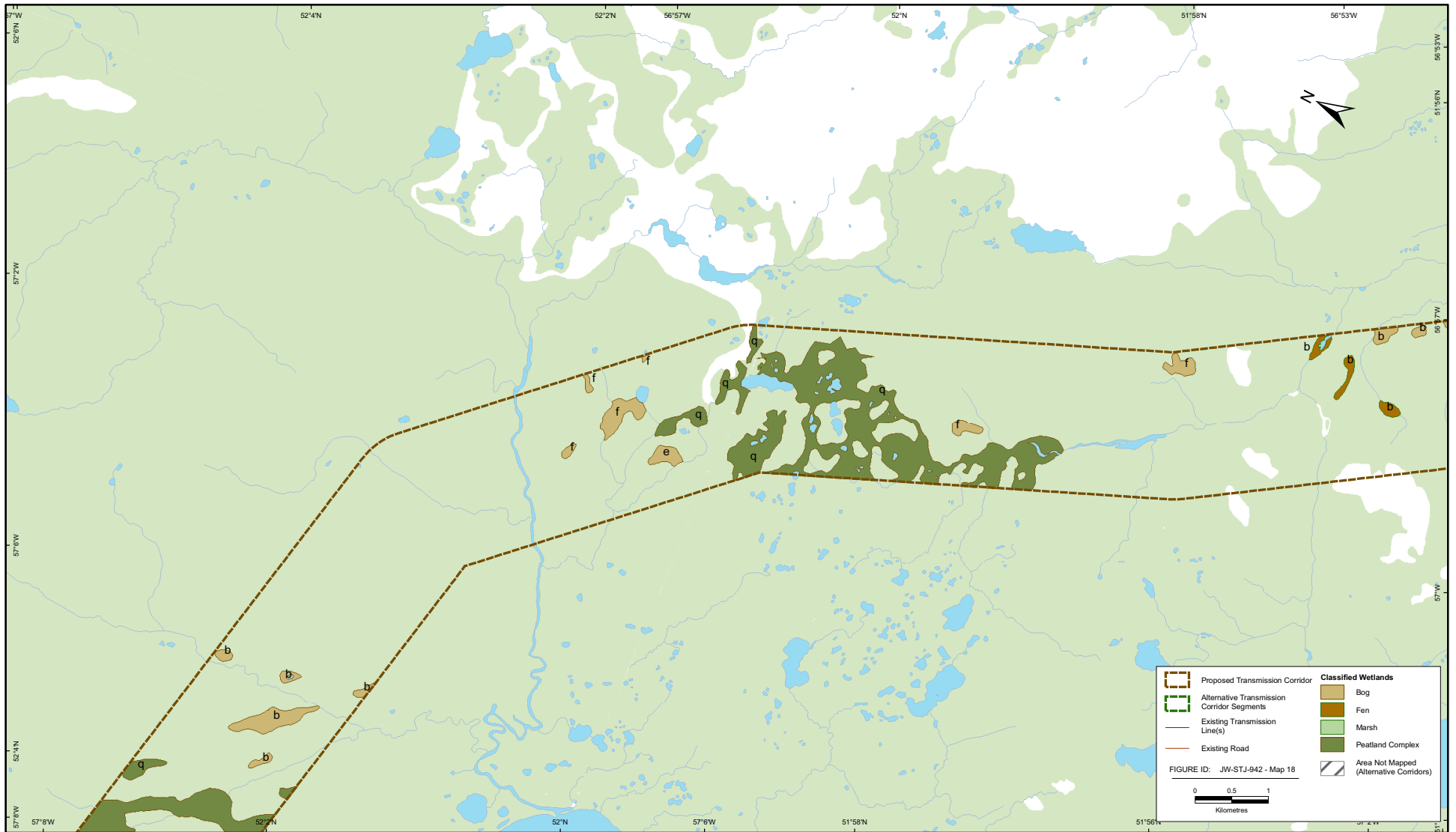


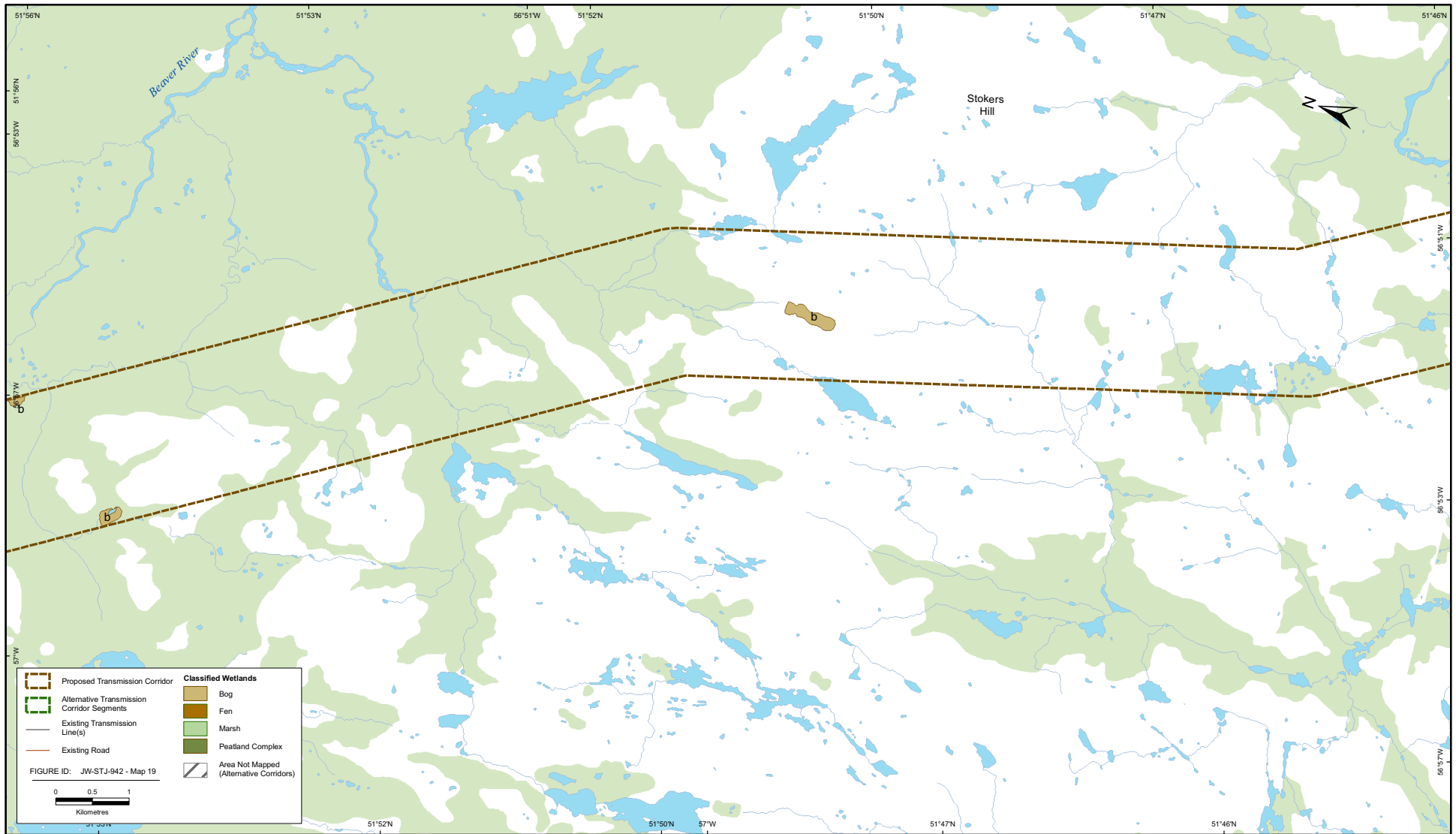




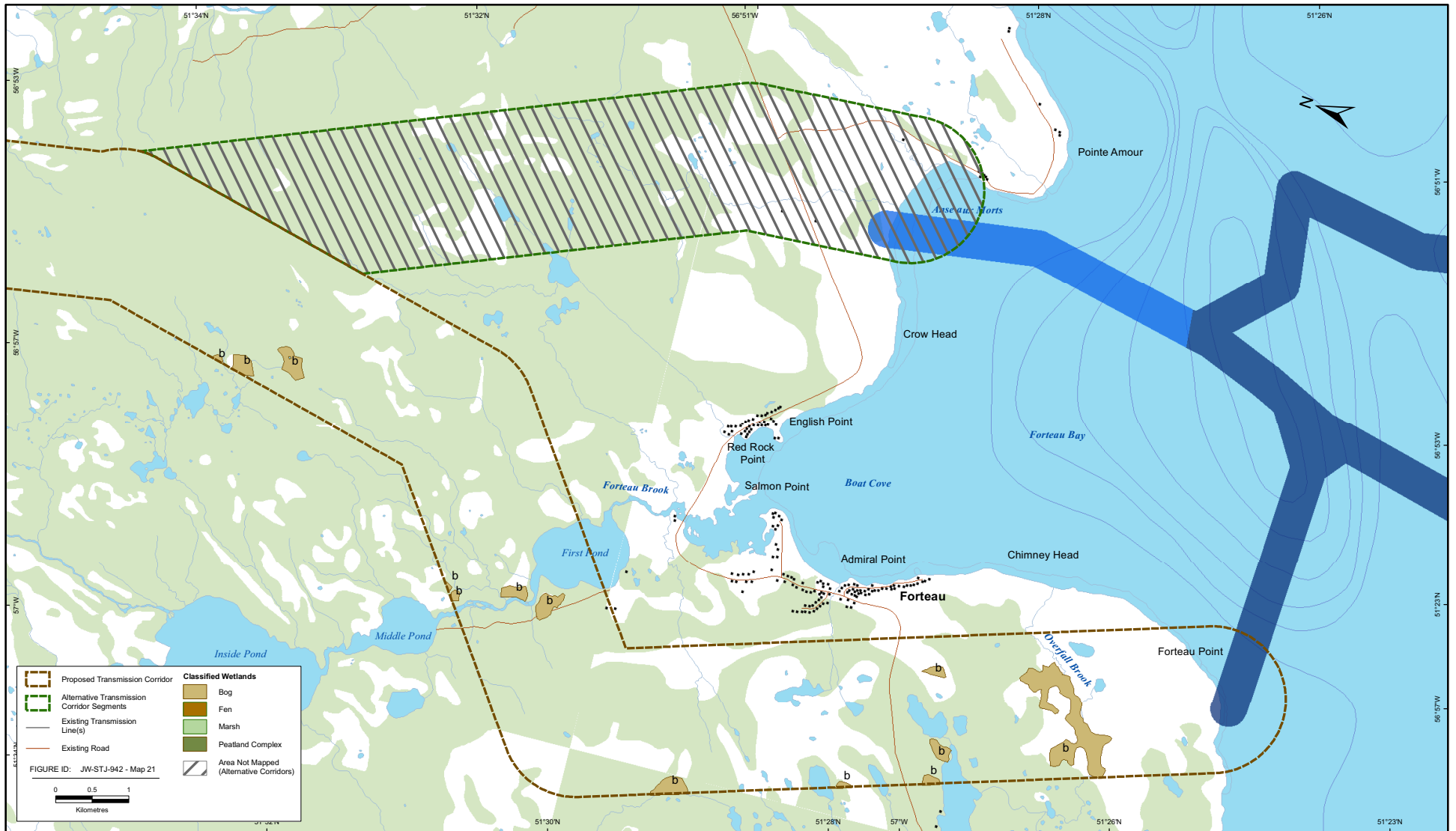




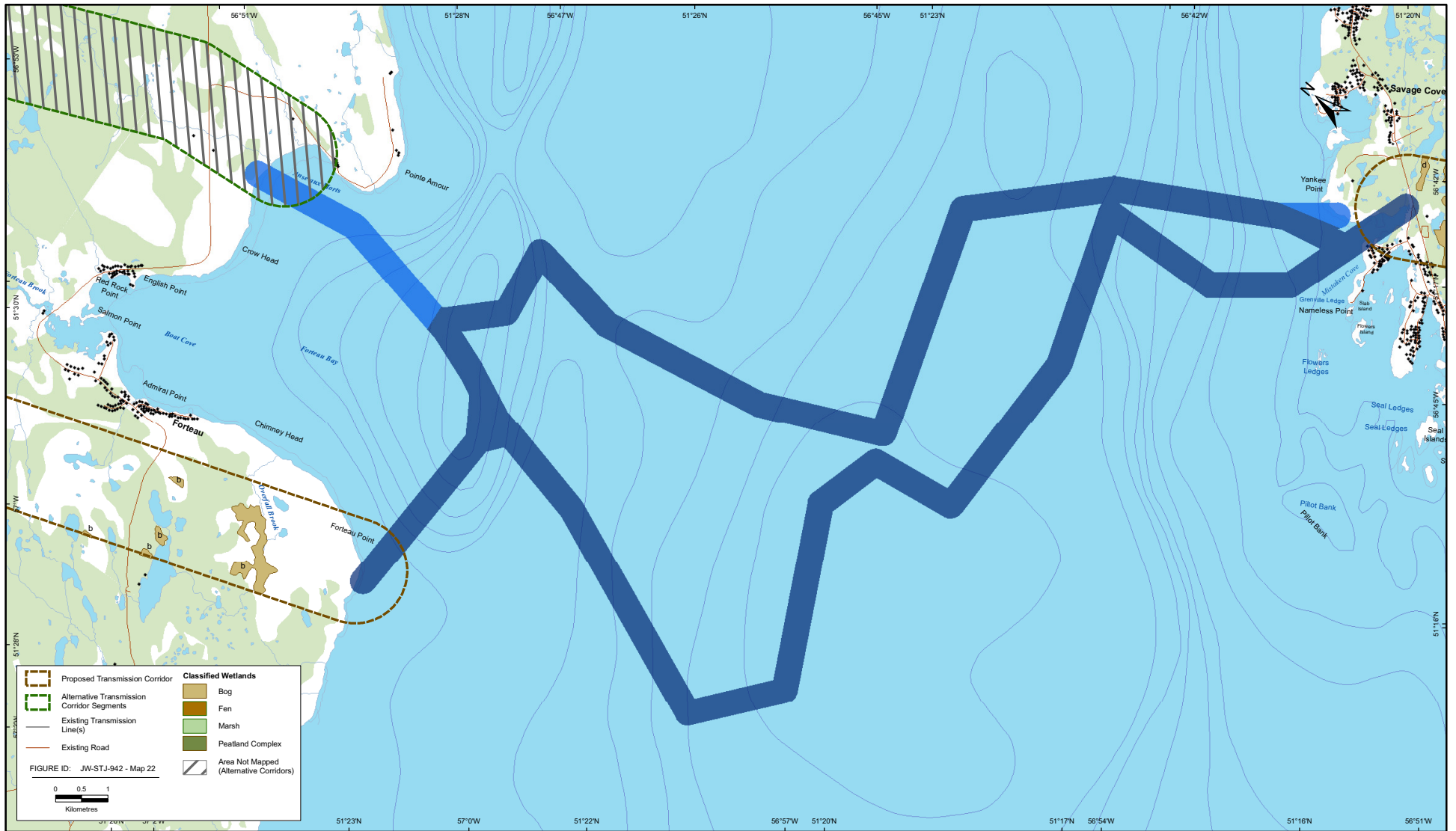








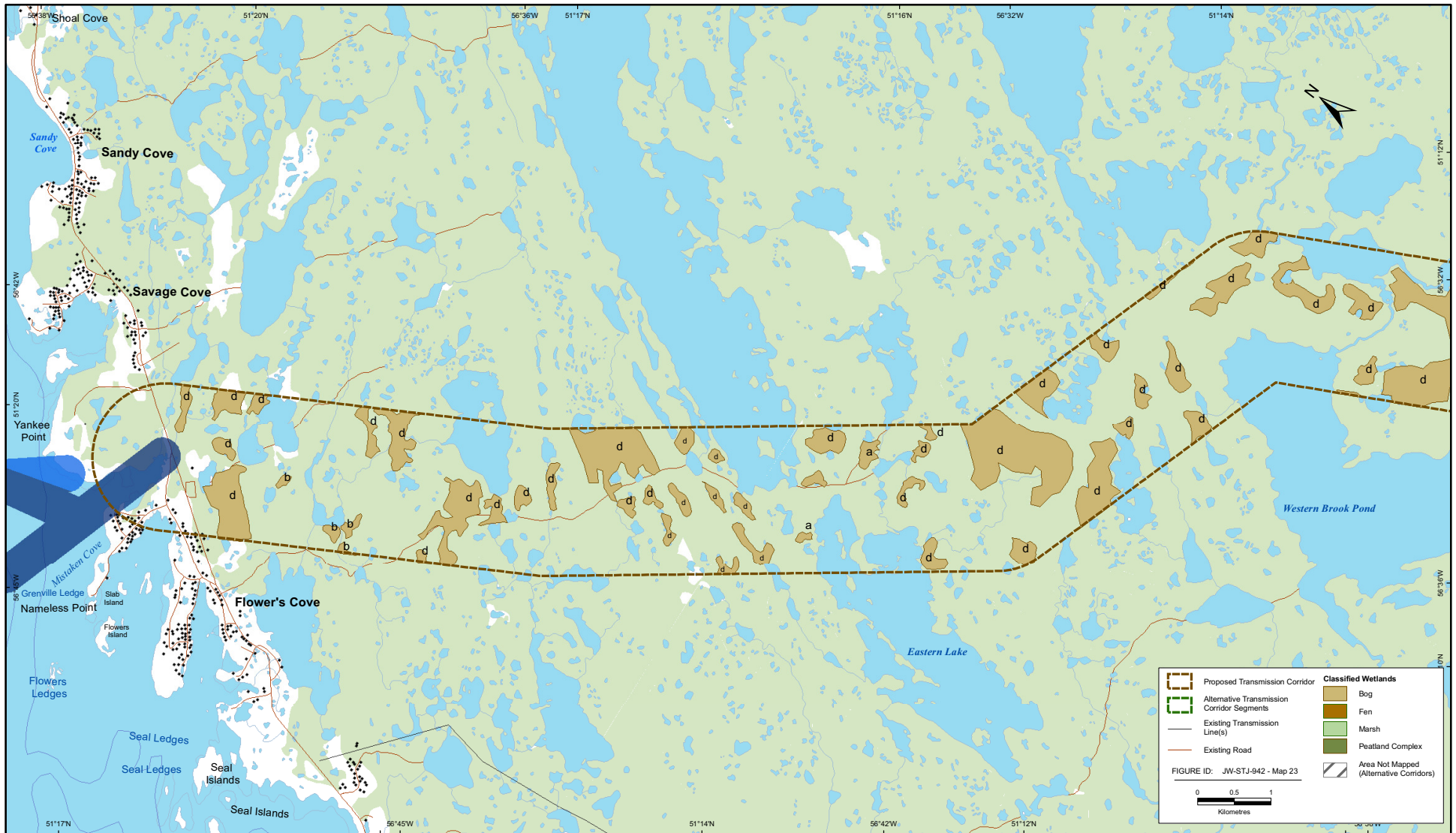


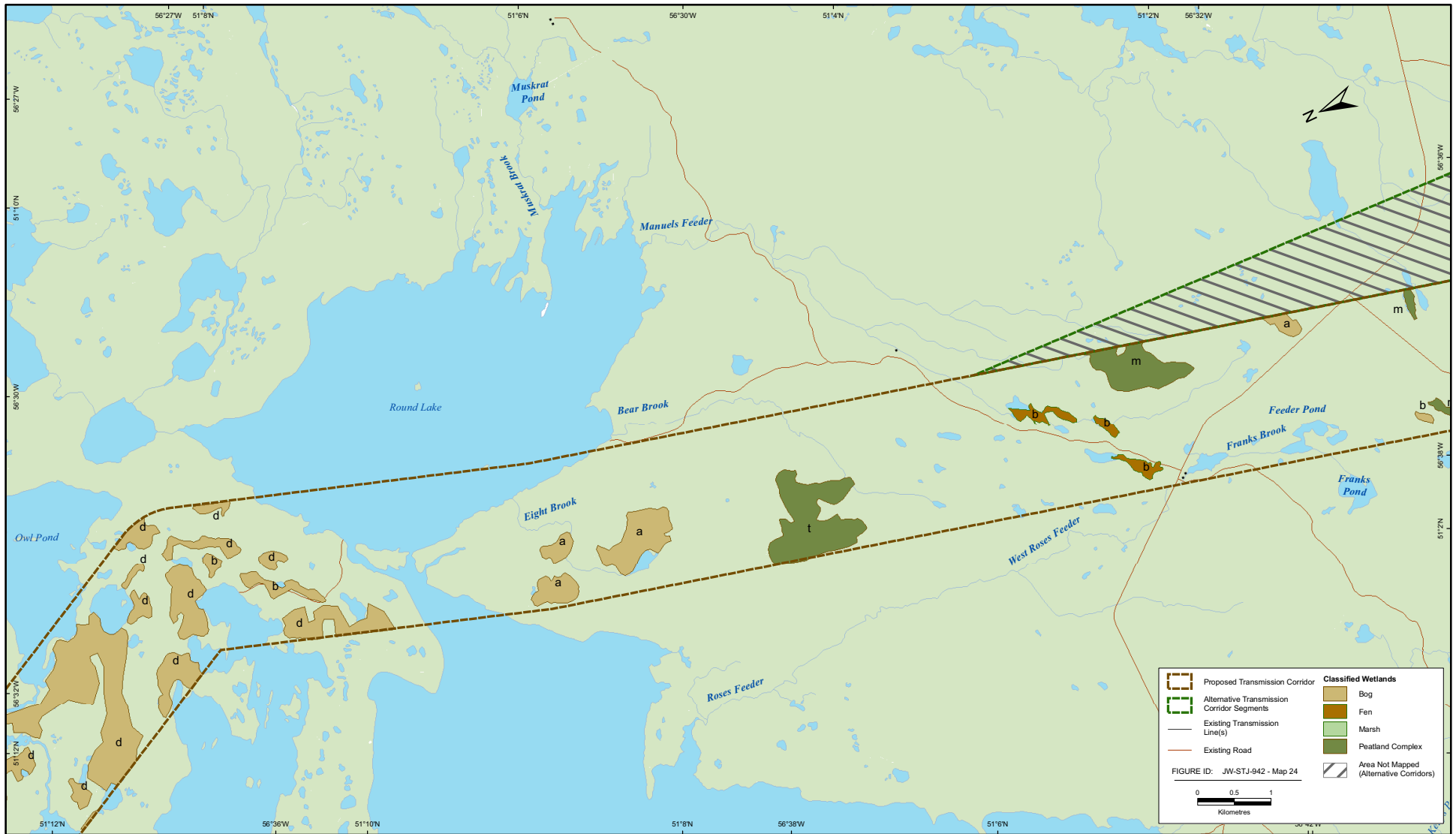


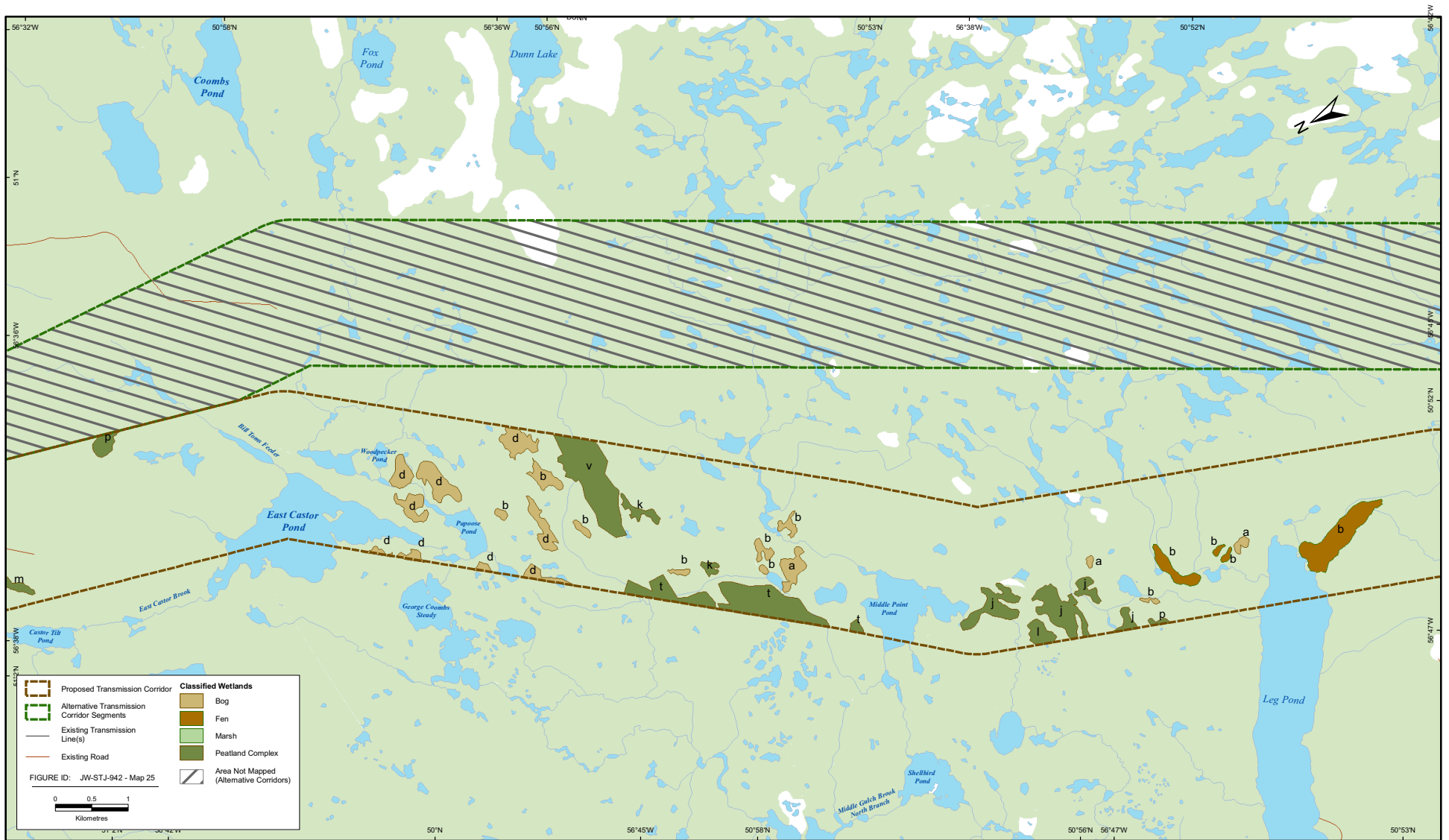
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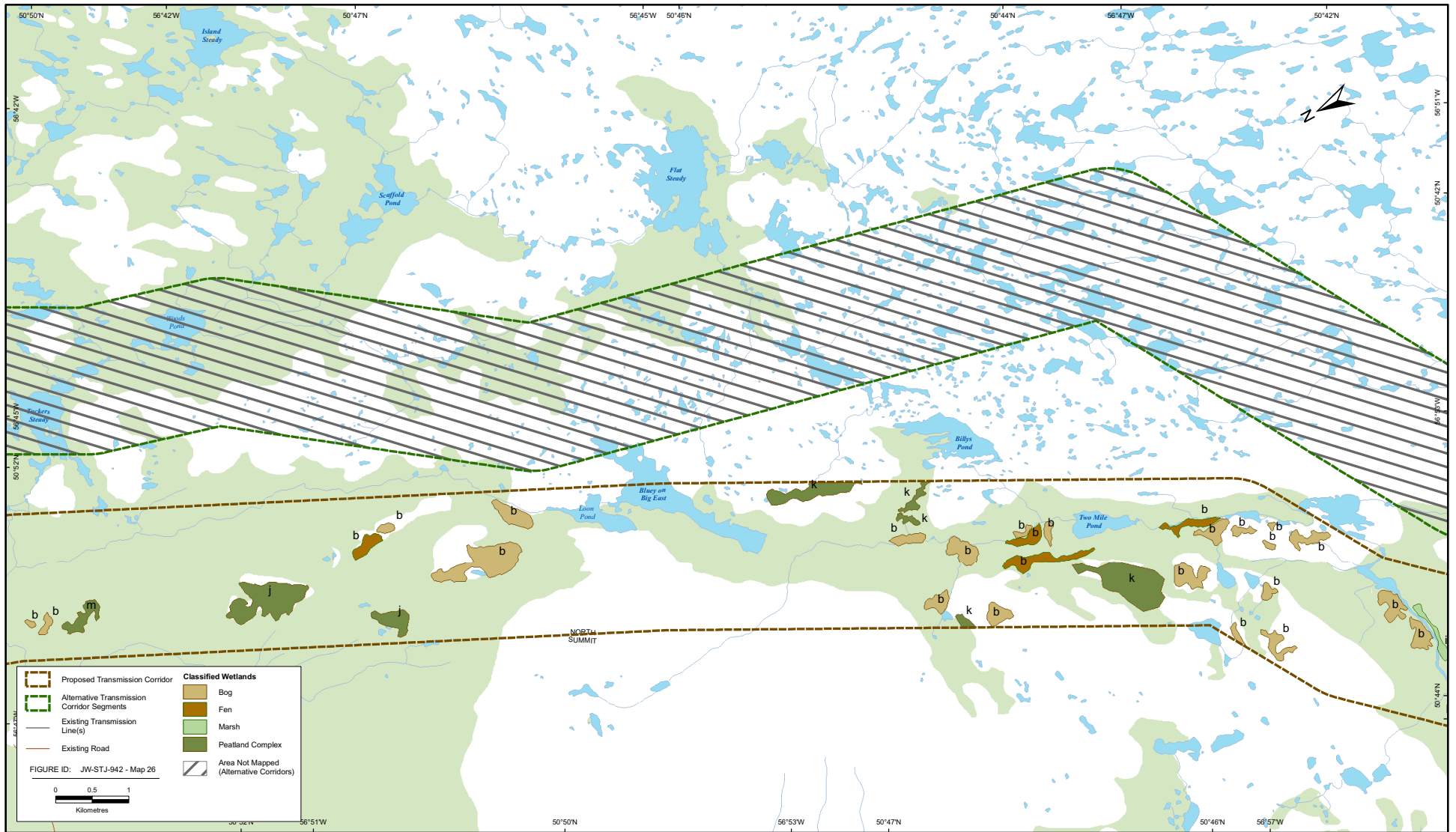
Labrador - Island Transmission Link: Strait of Belle Isle - # 22



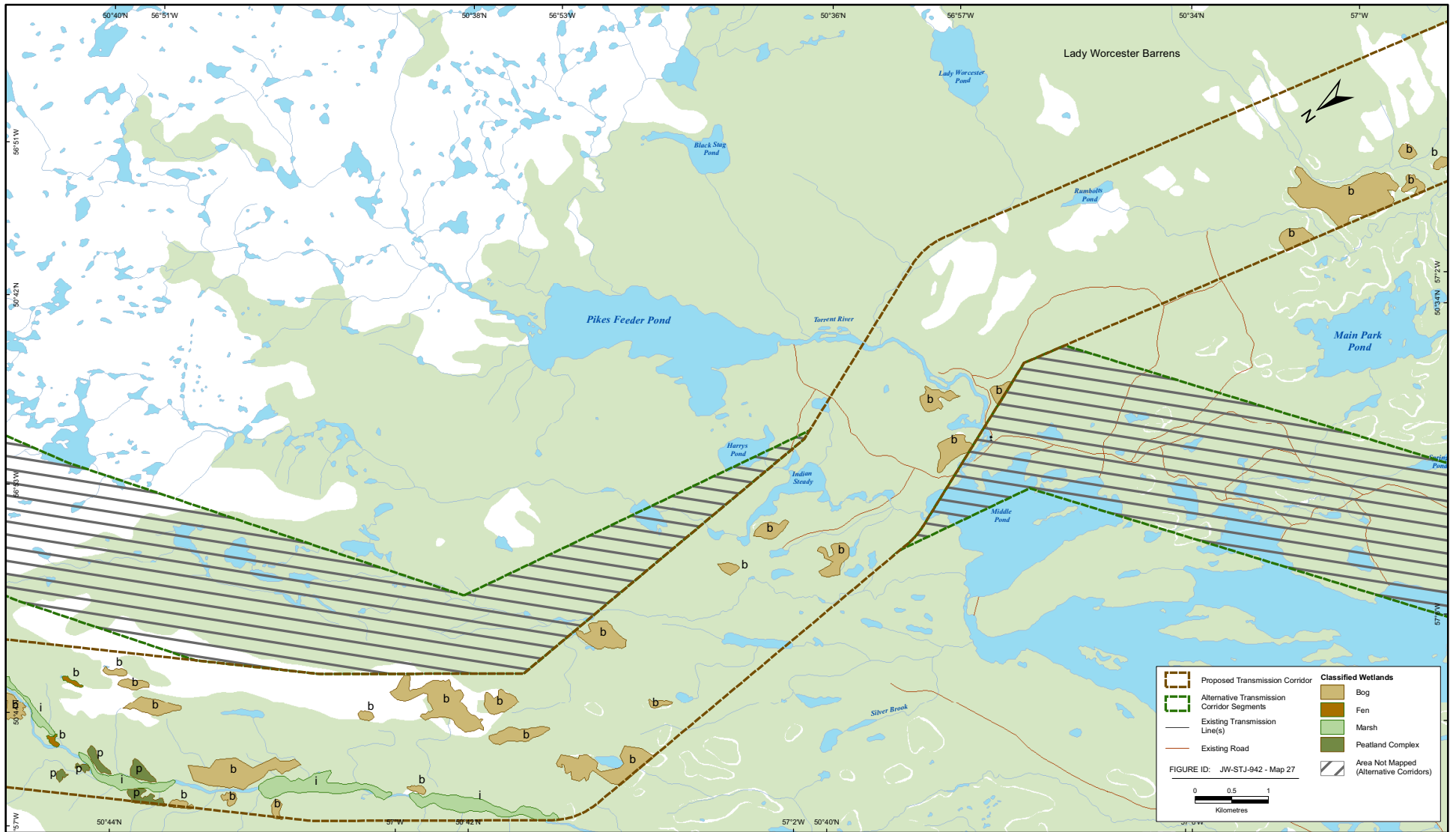


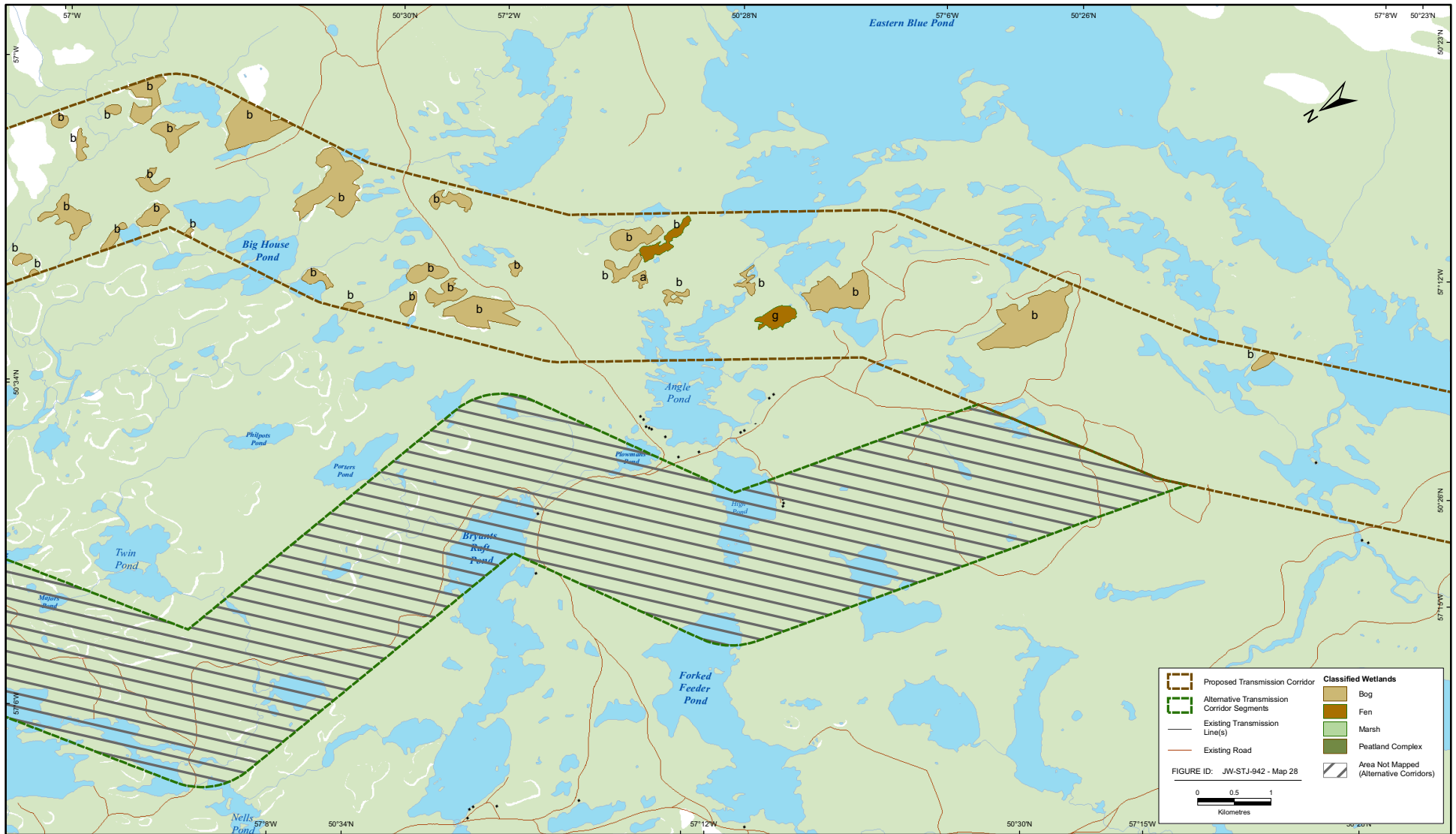










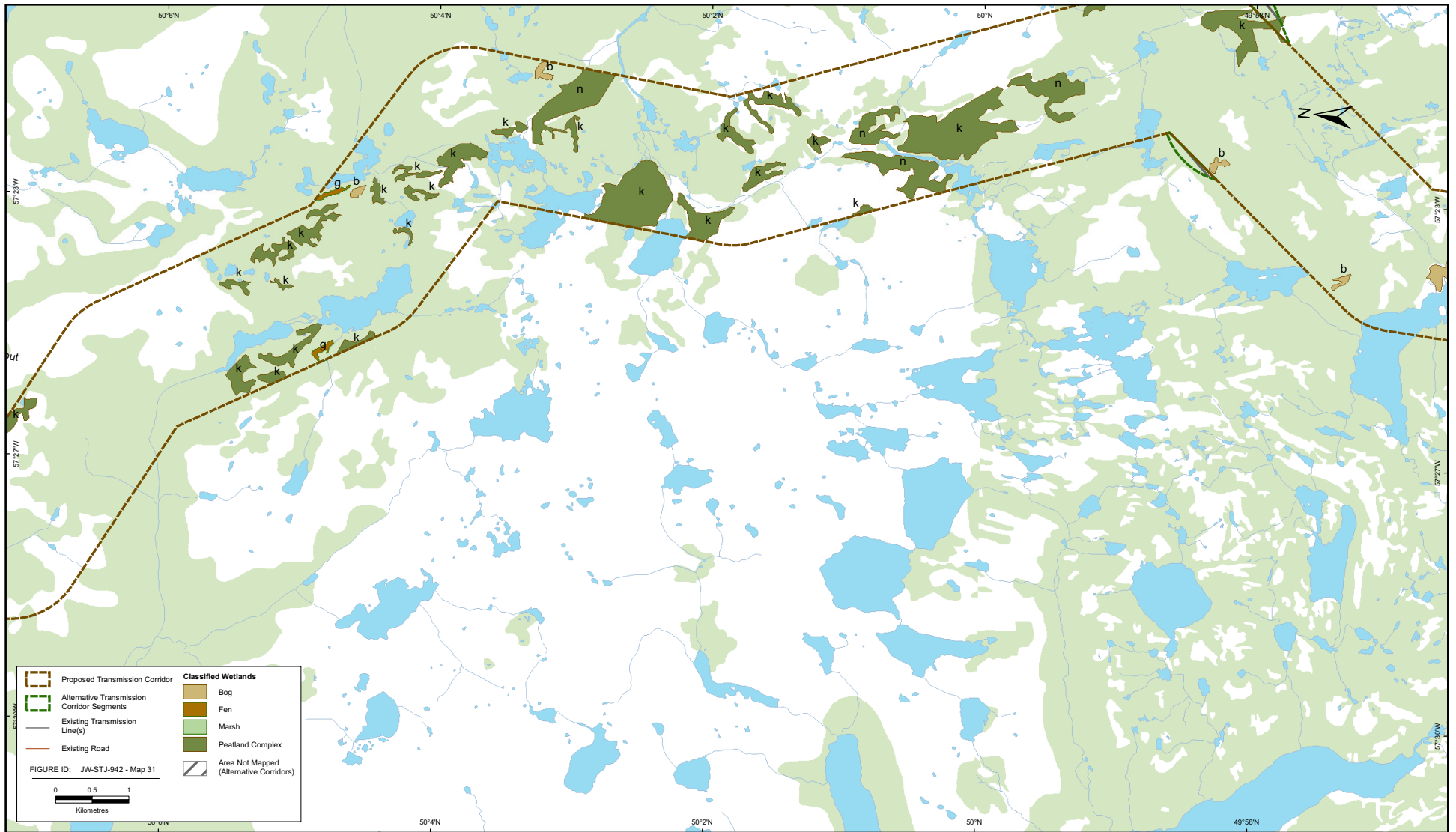




**Labrador - Island Transmission Link: Strait of Belle Isle to Central Newfoundland - # 29**

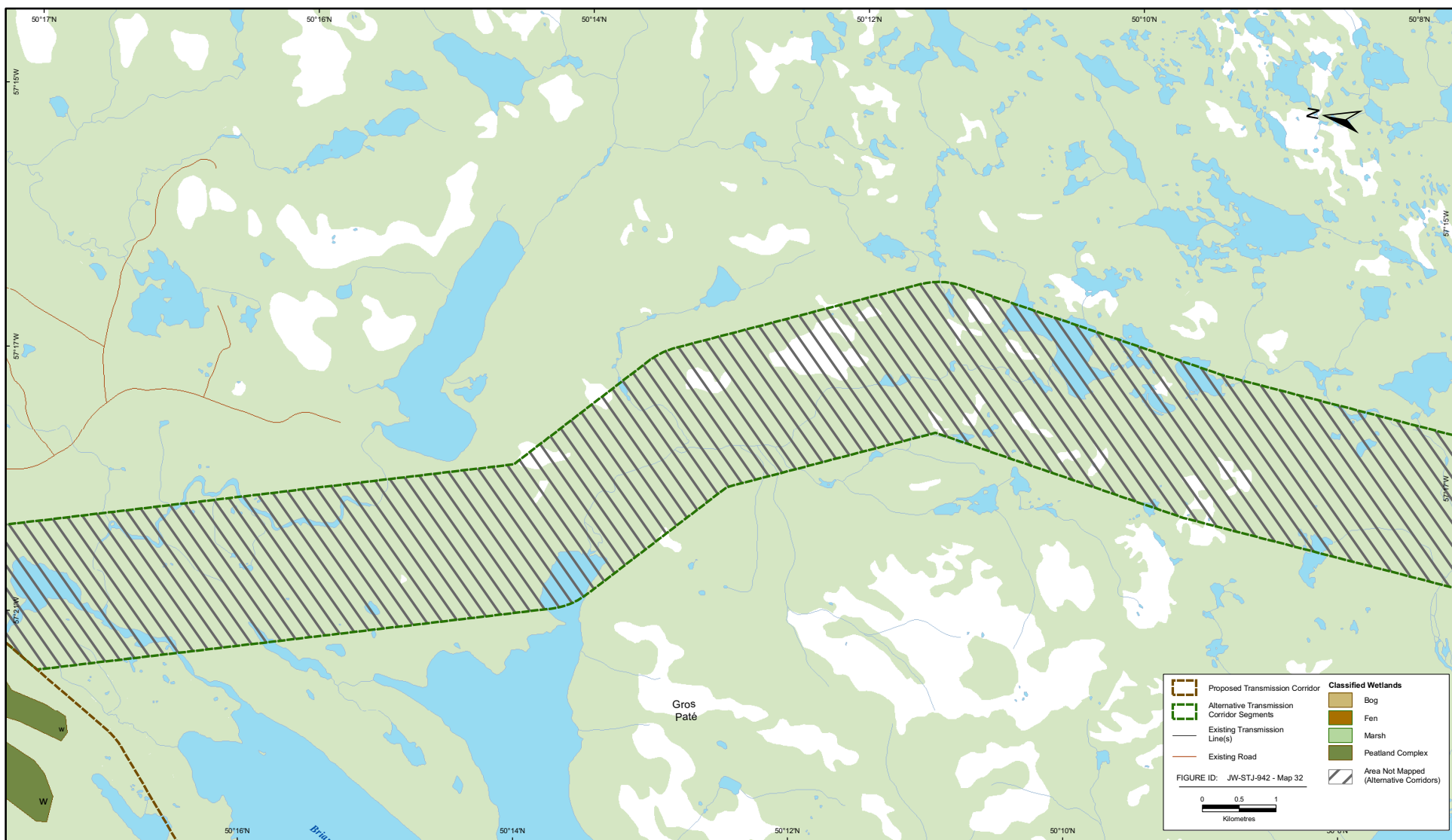


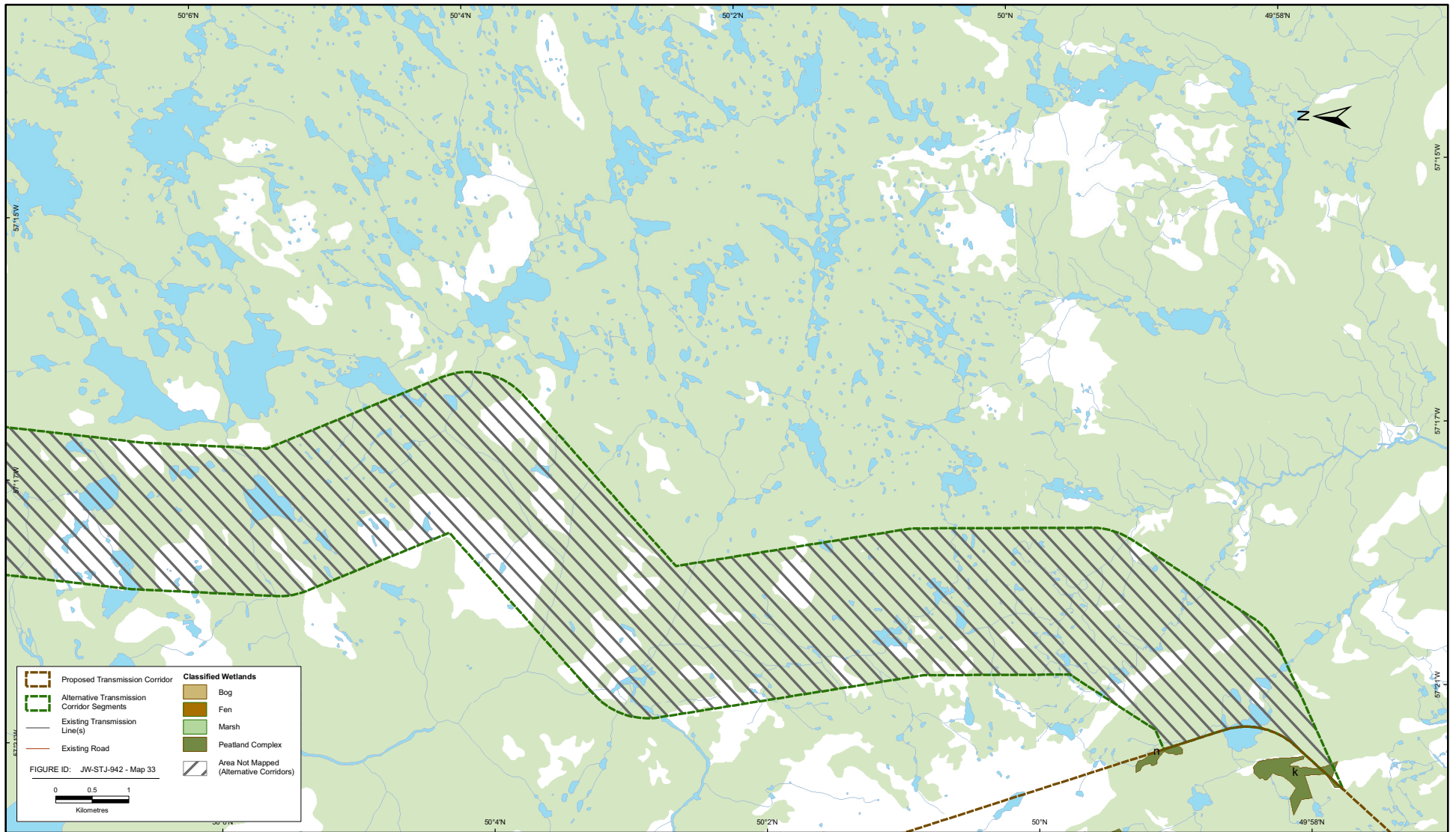


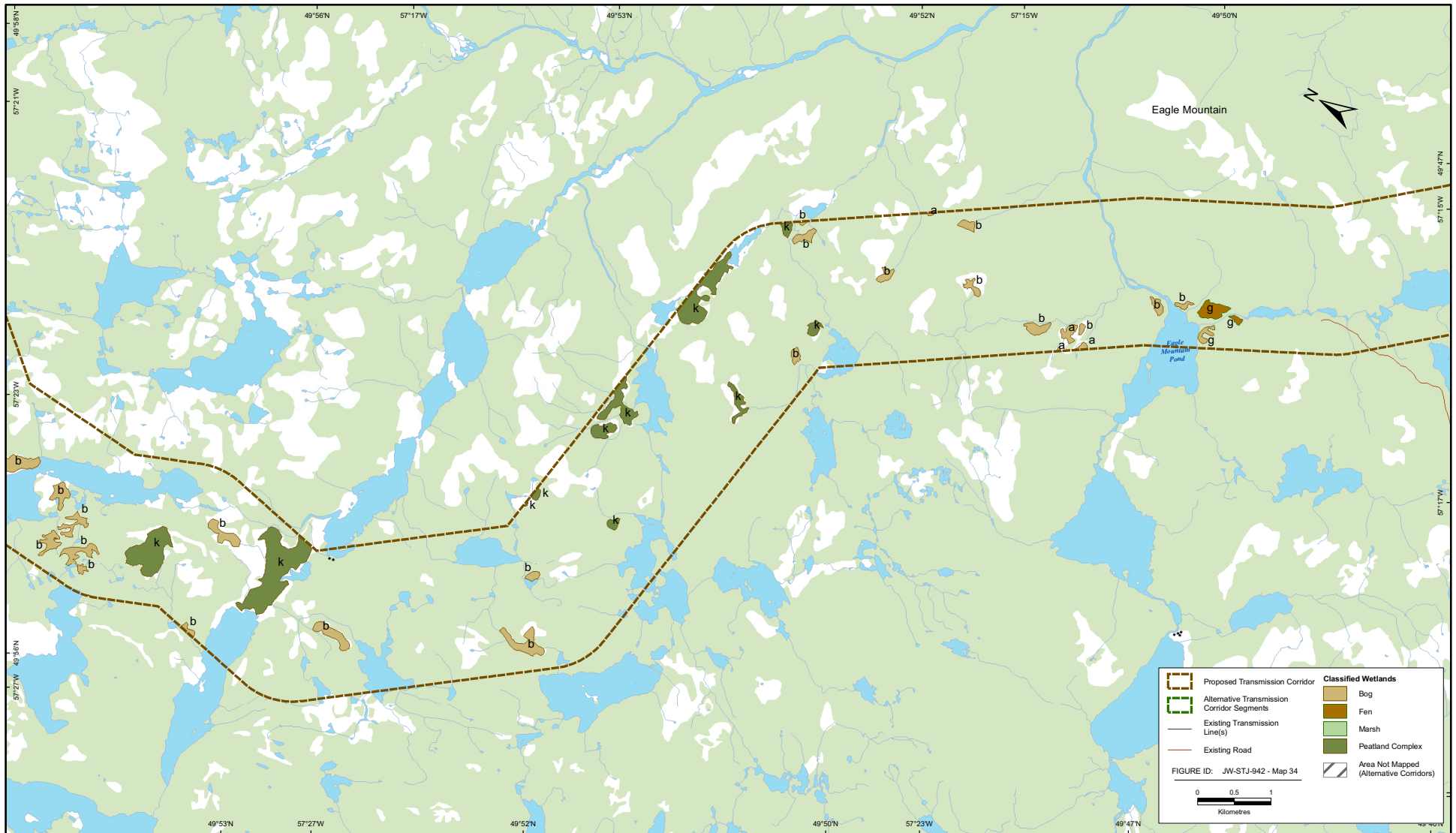


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Labrador - Island Transmission Link: Strait of Belle Isle to Central Newfoundland - # 31



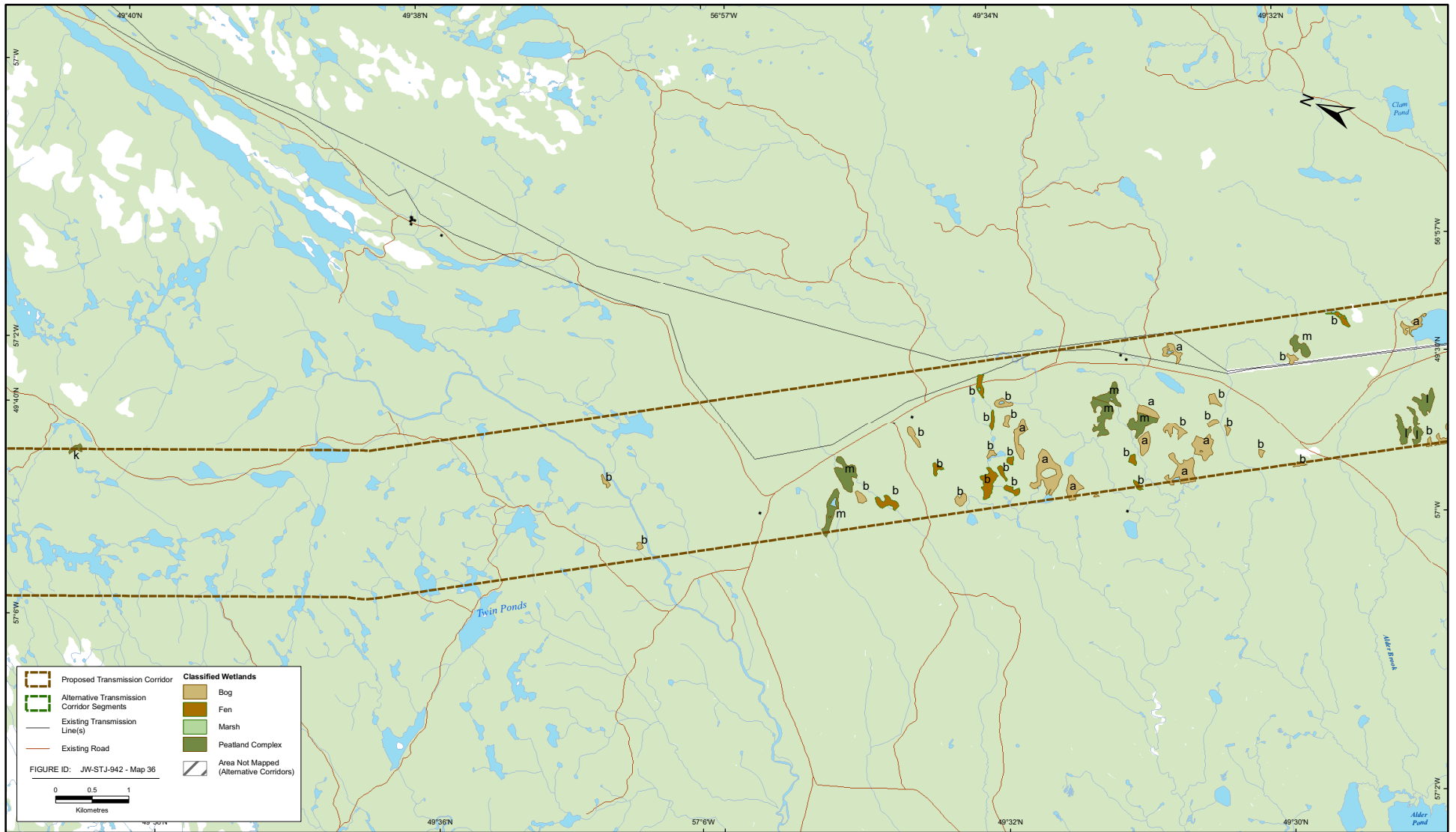


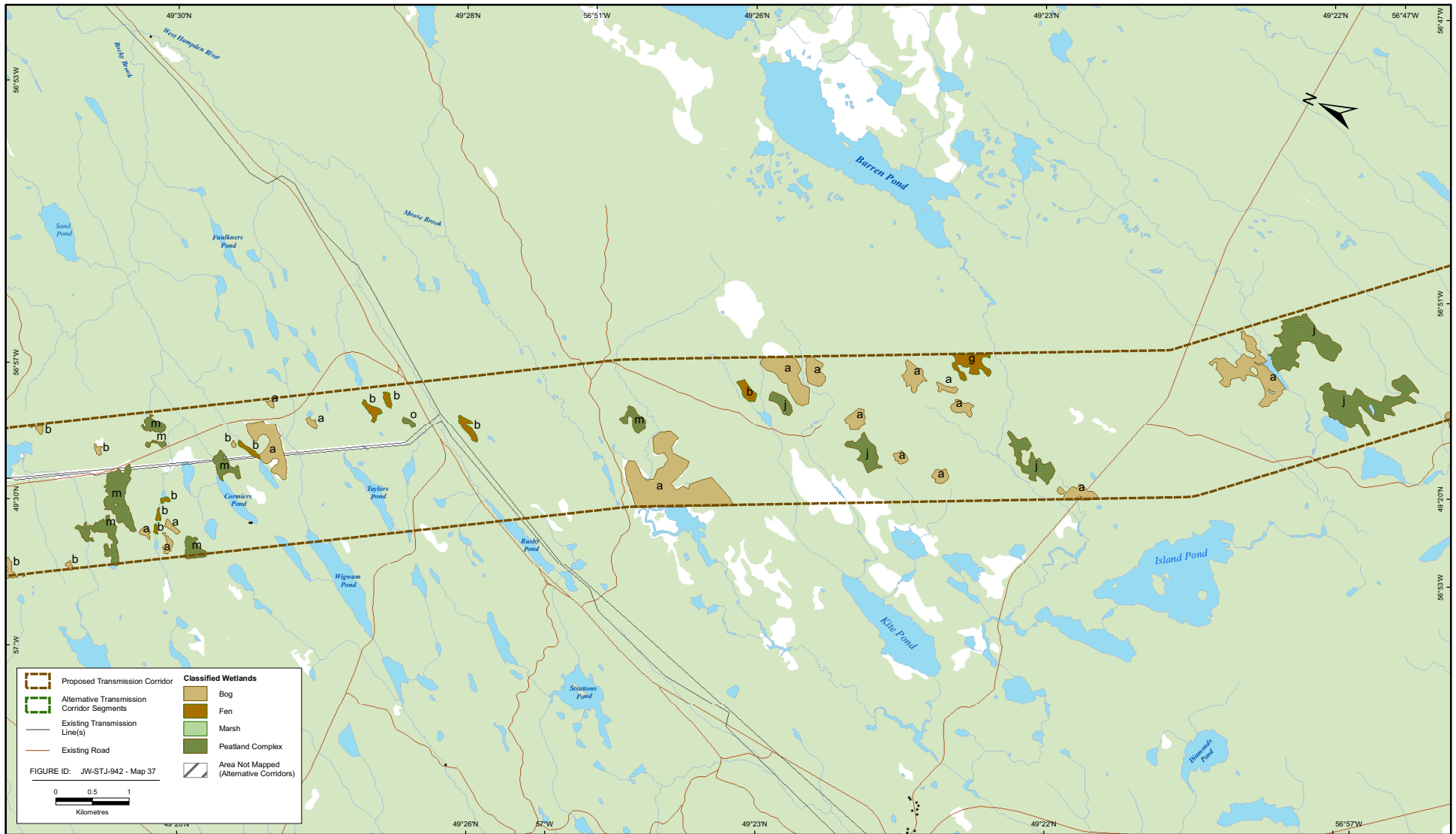




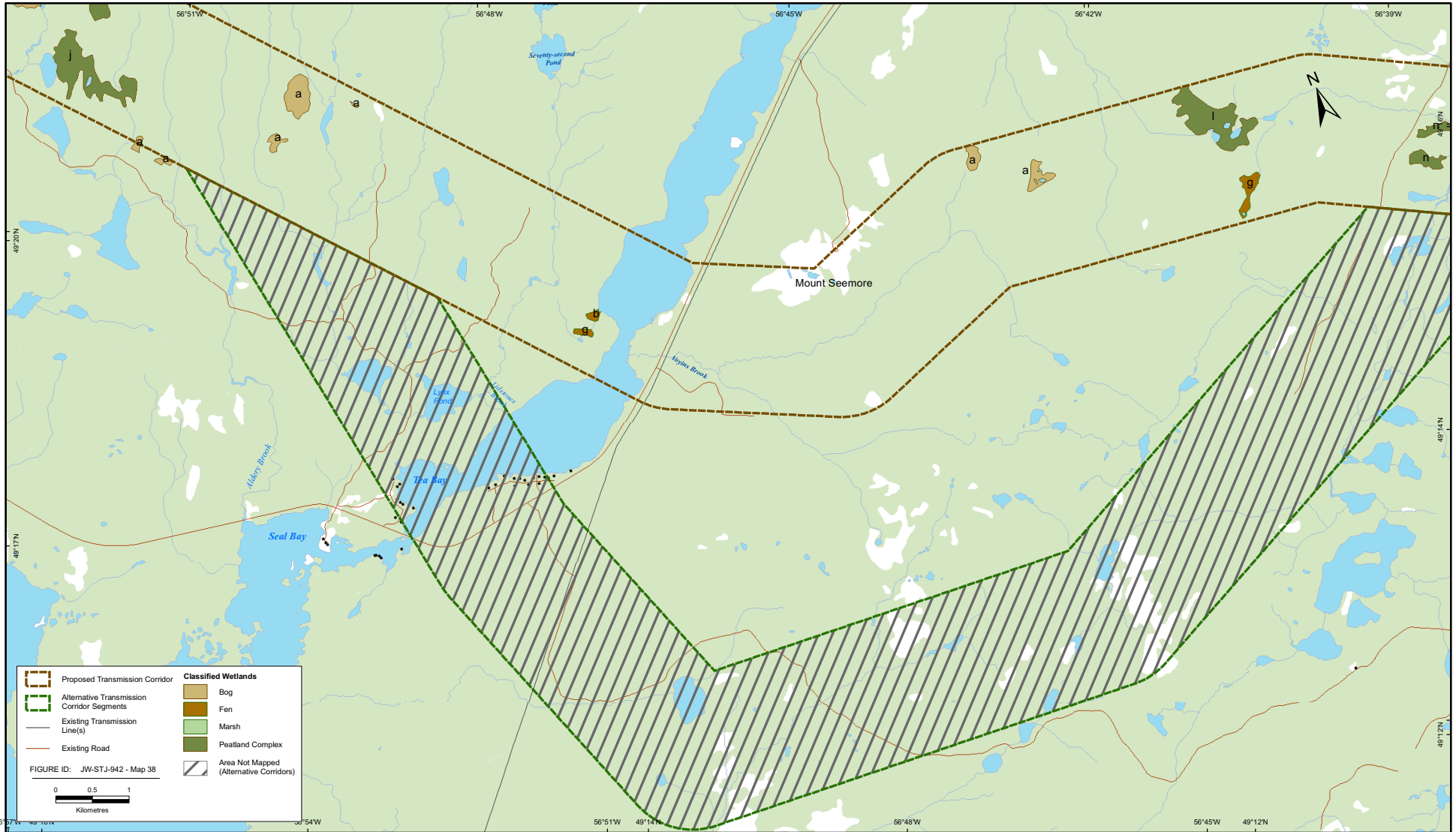


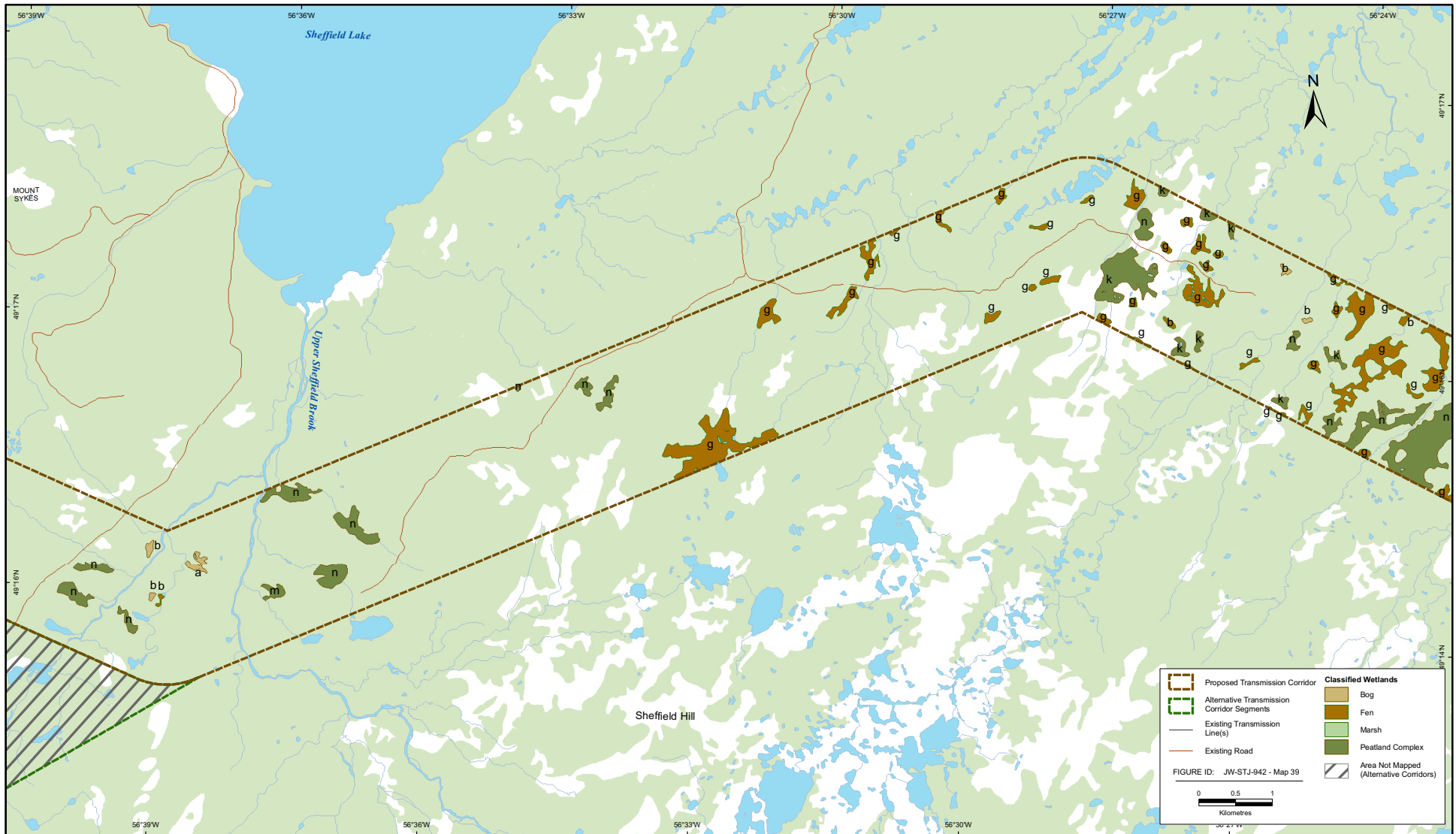
**Labrador - Island Transmission Link: Strait of Belle Isle to Central Newfoundland - # 35**

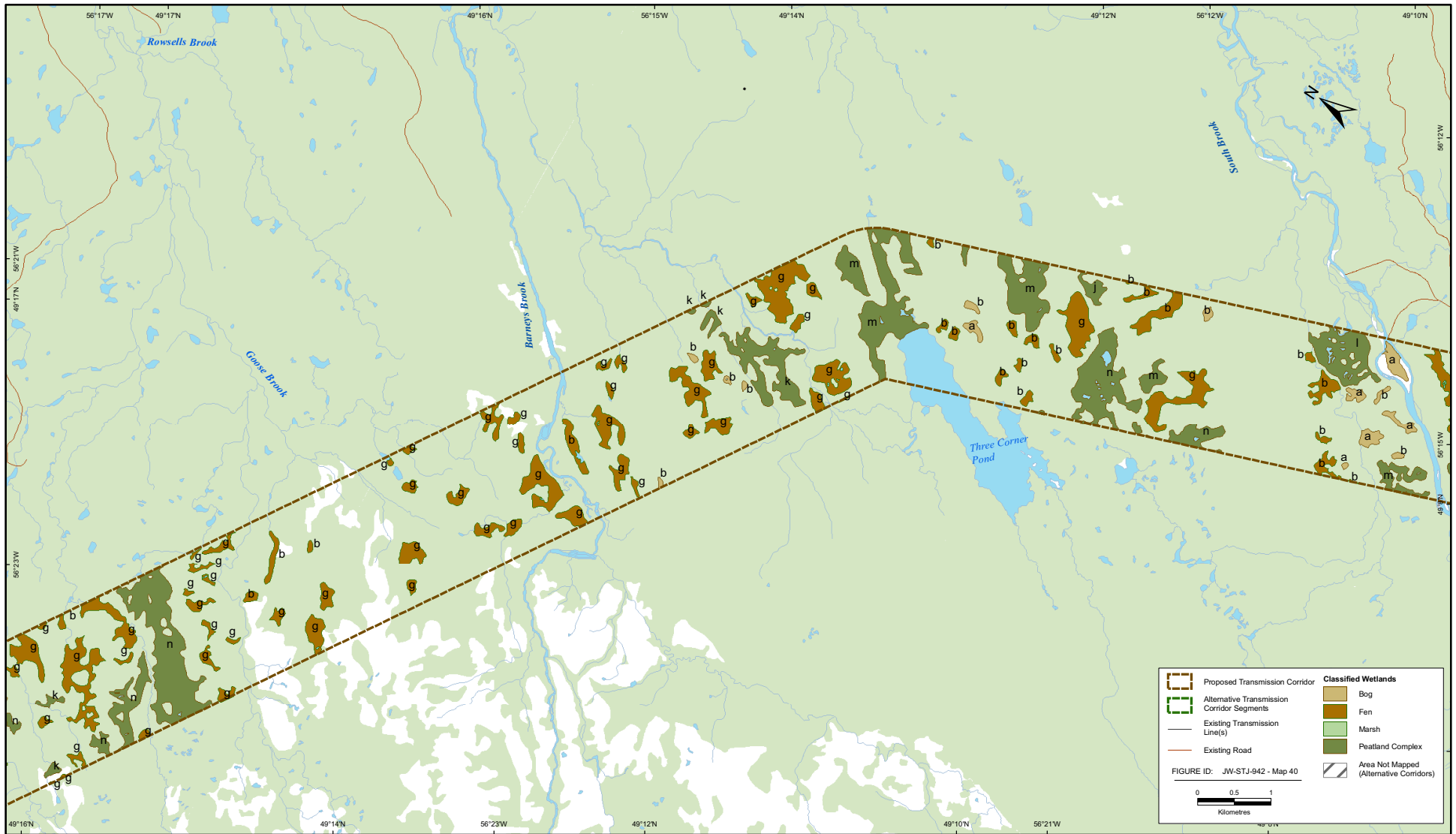


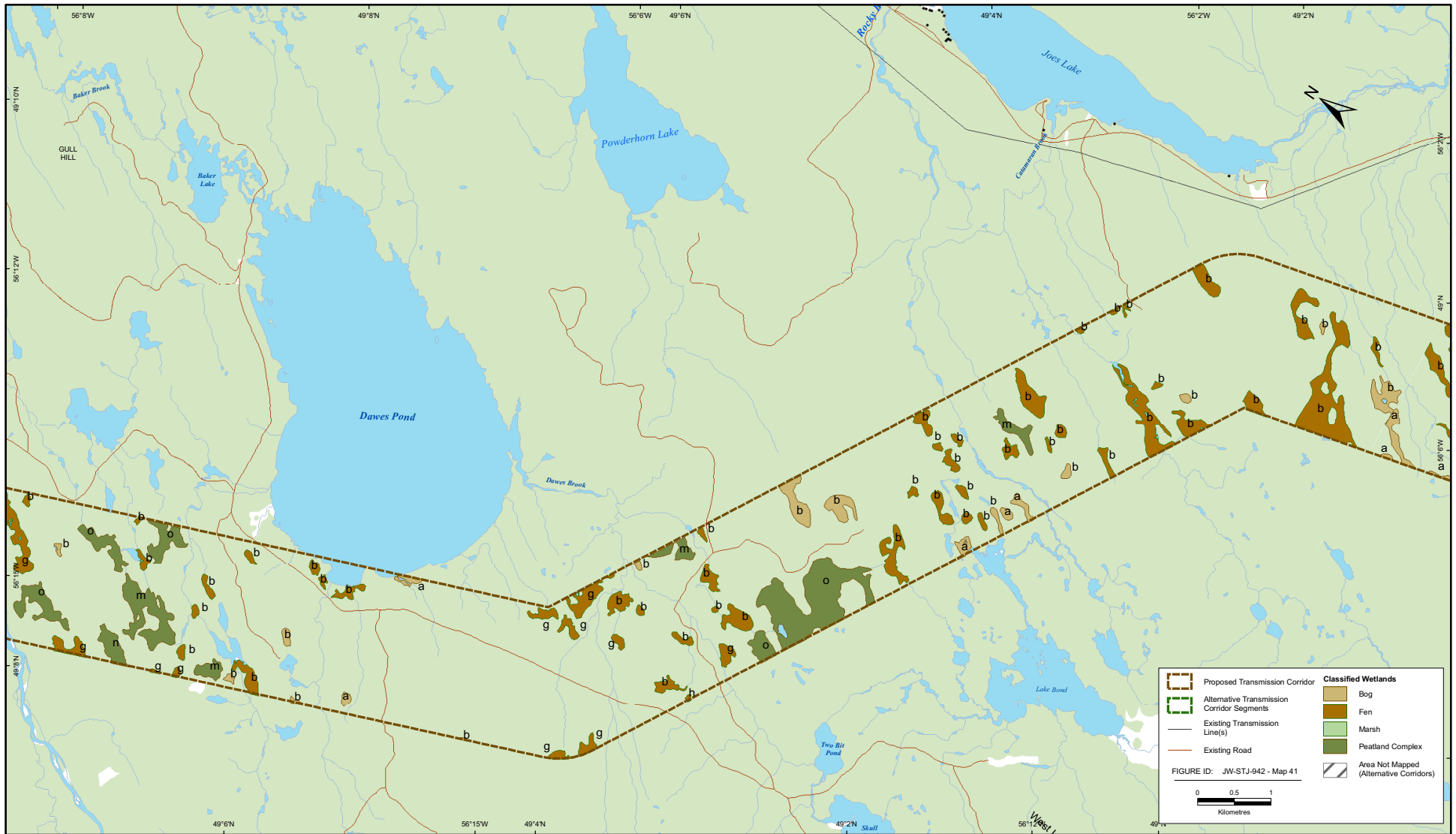


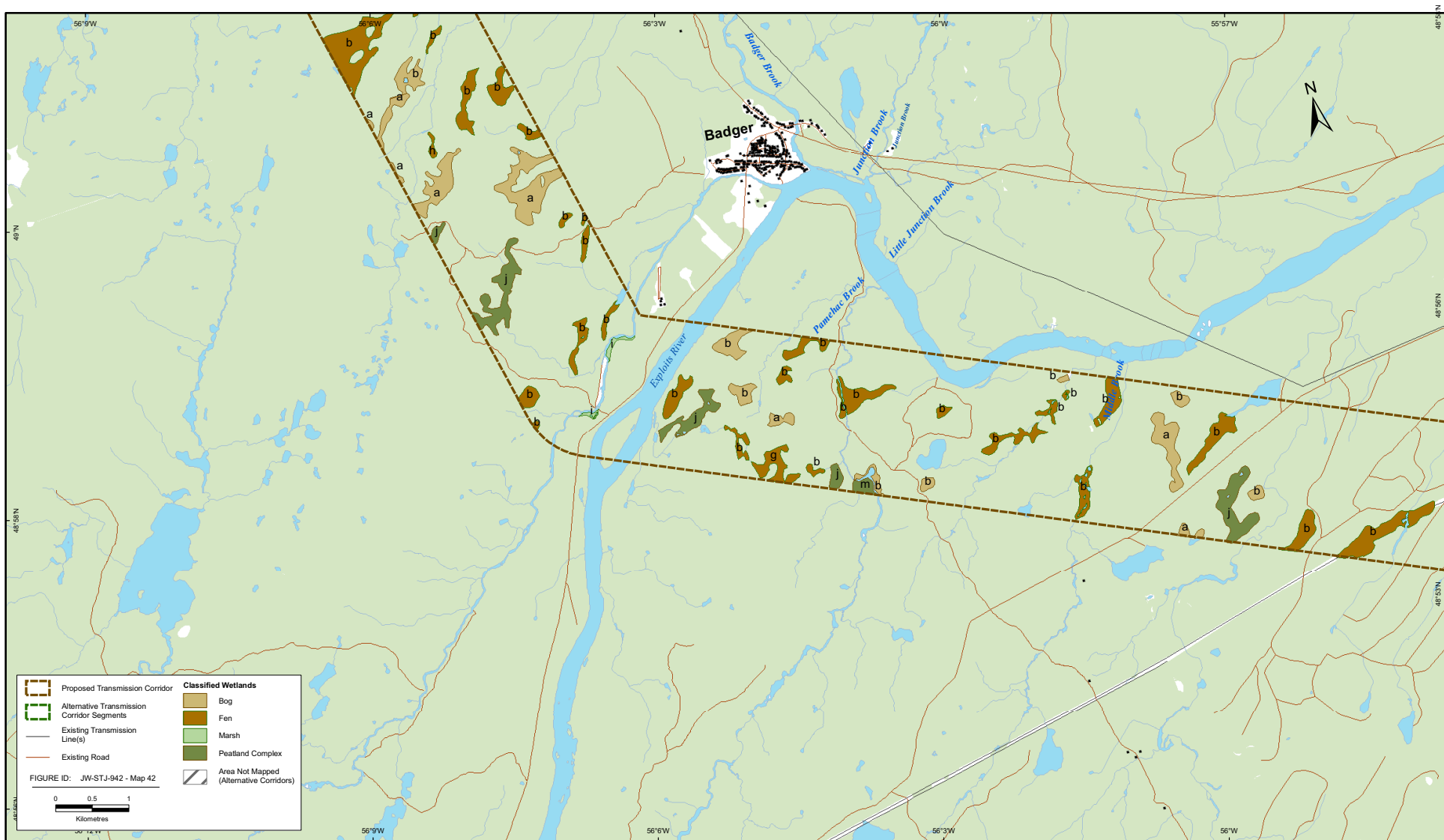


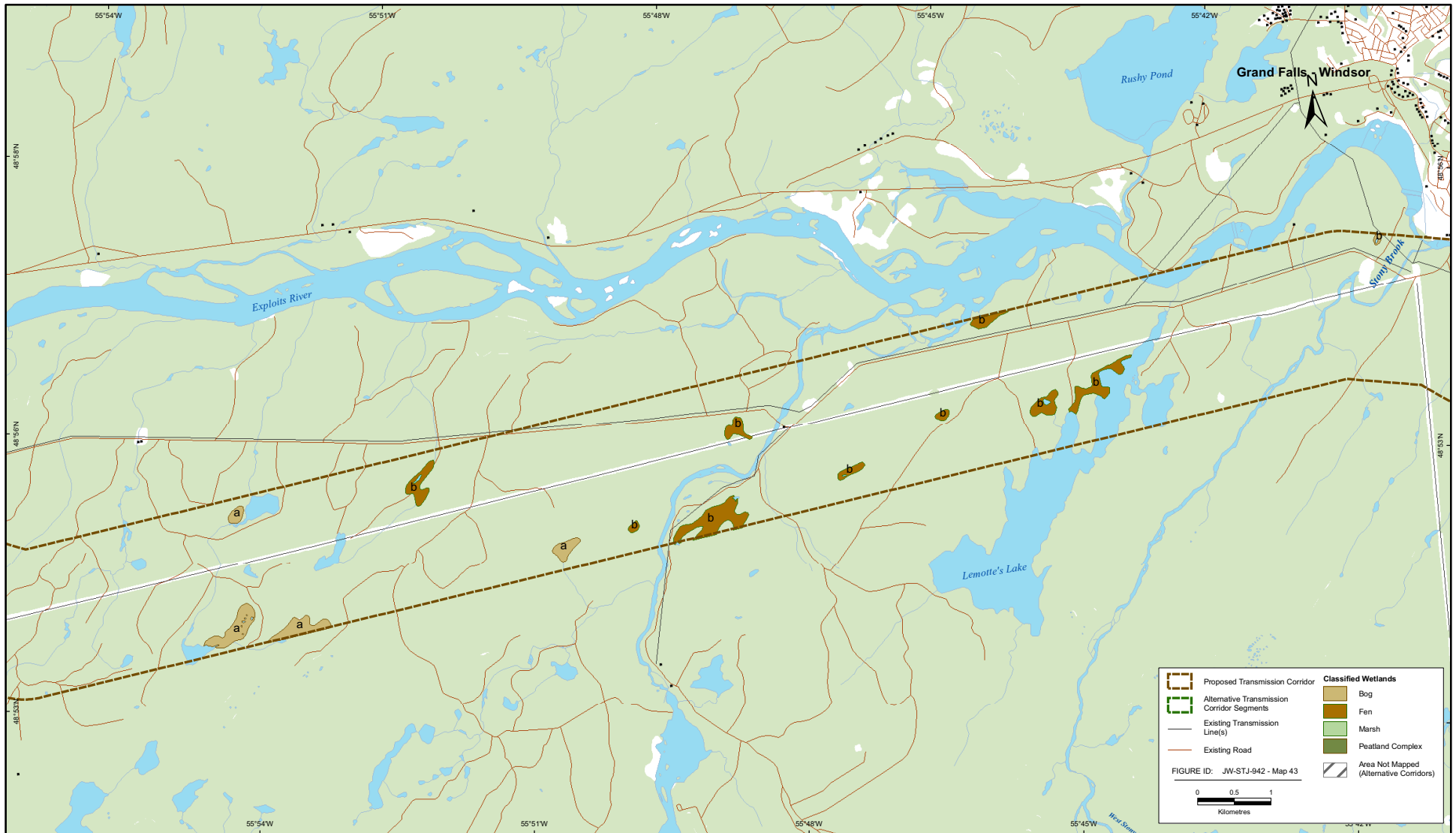




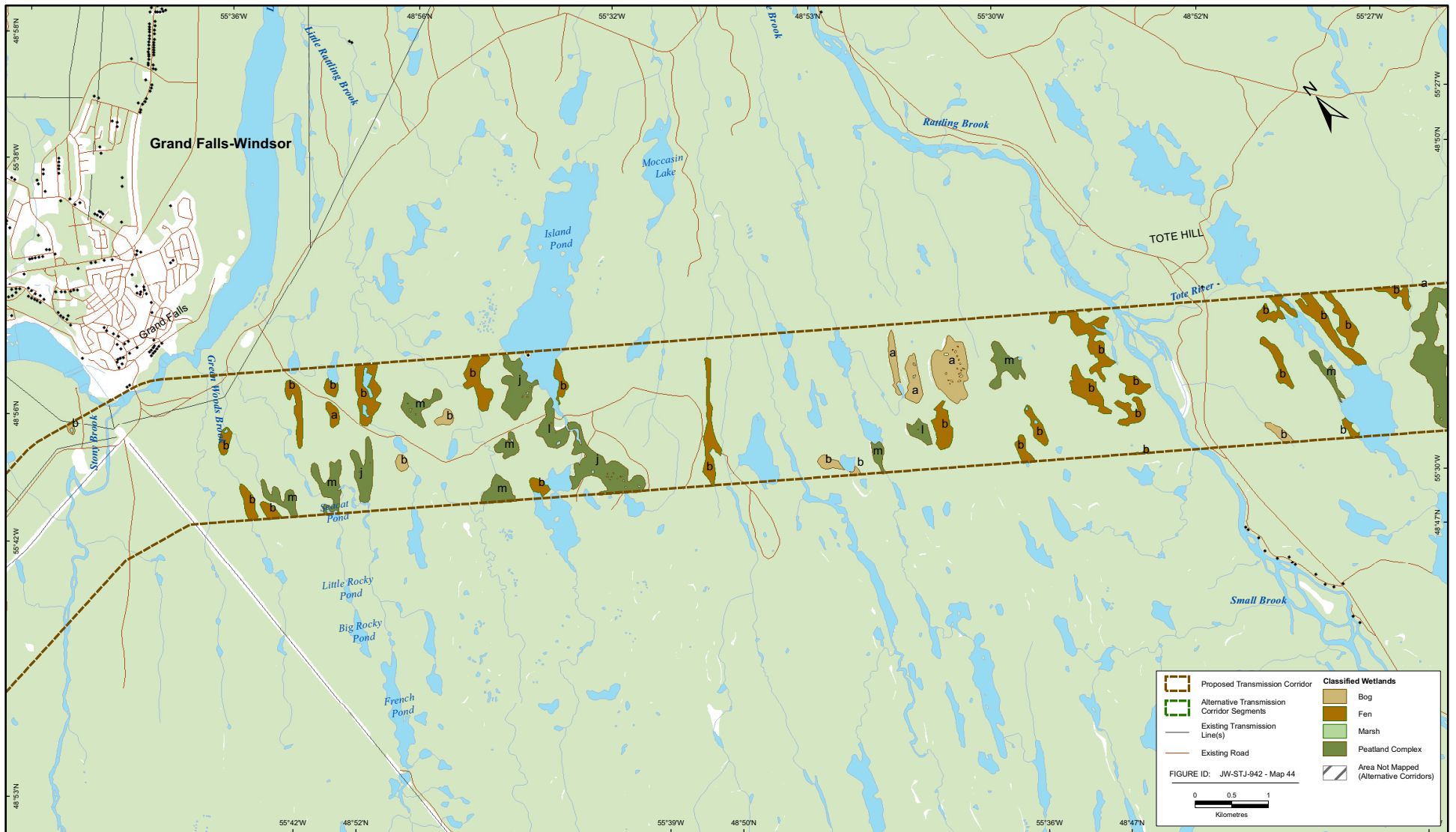




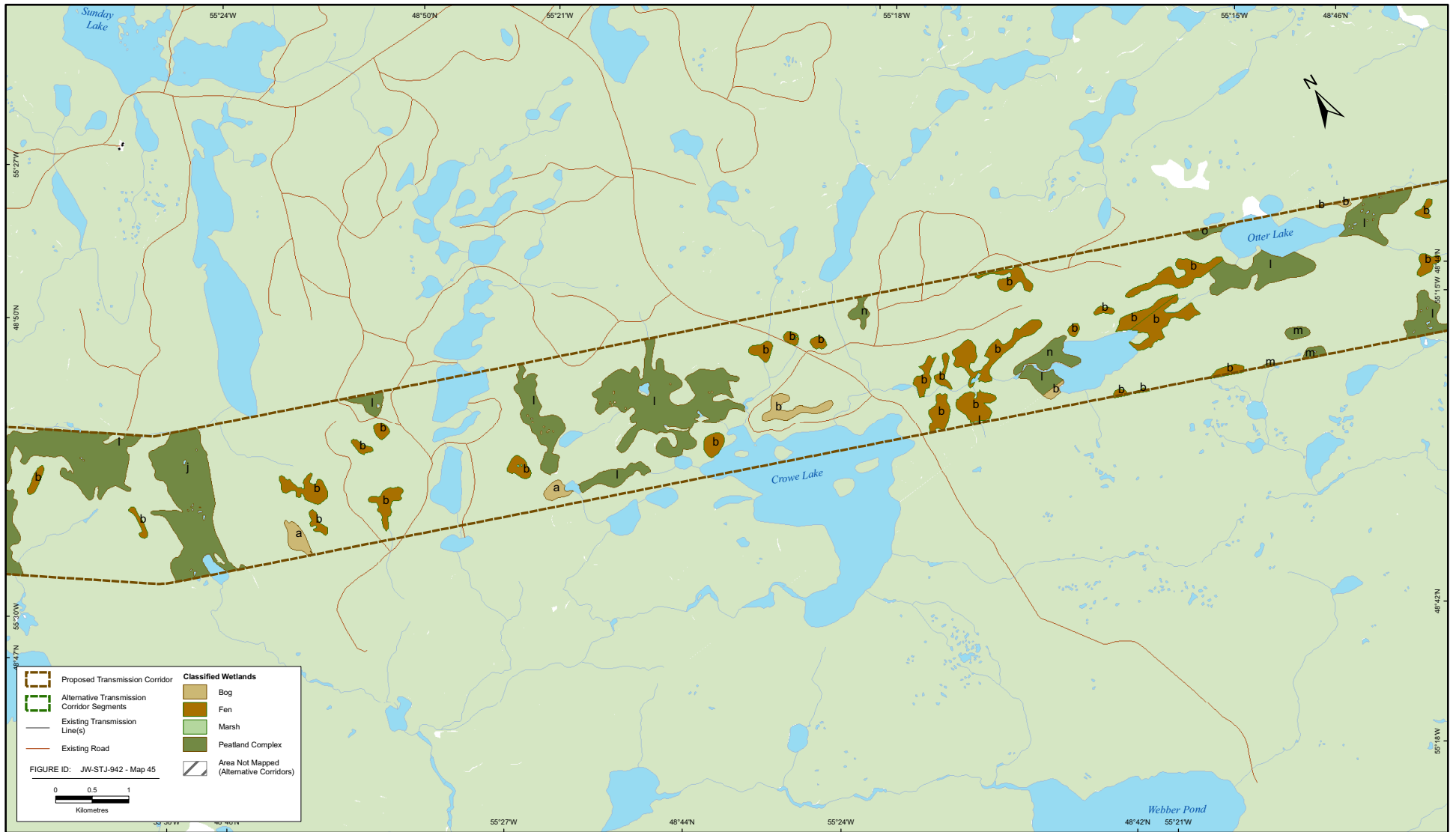


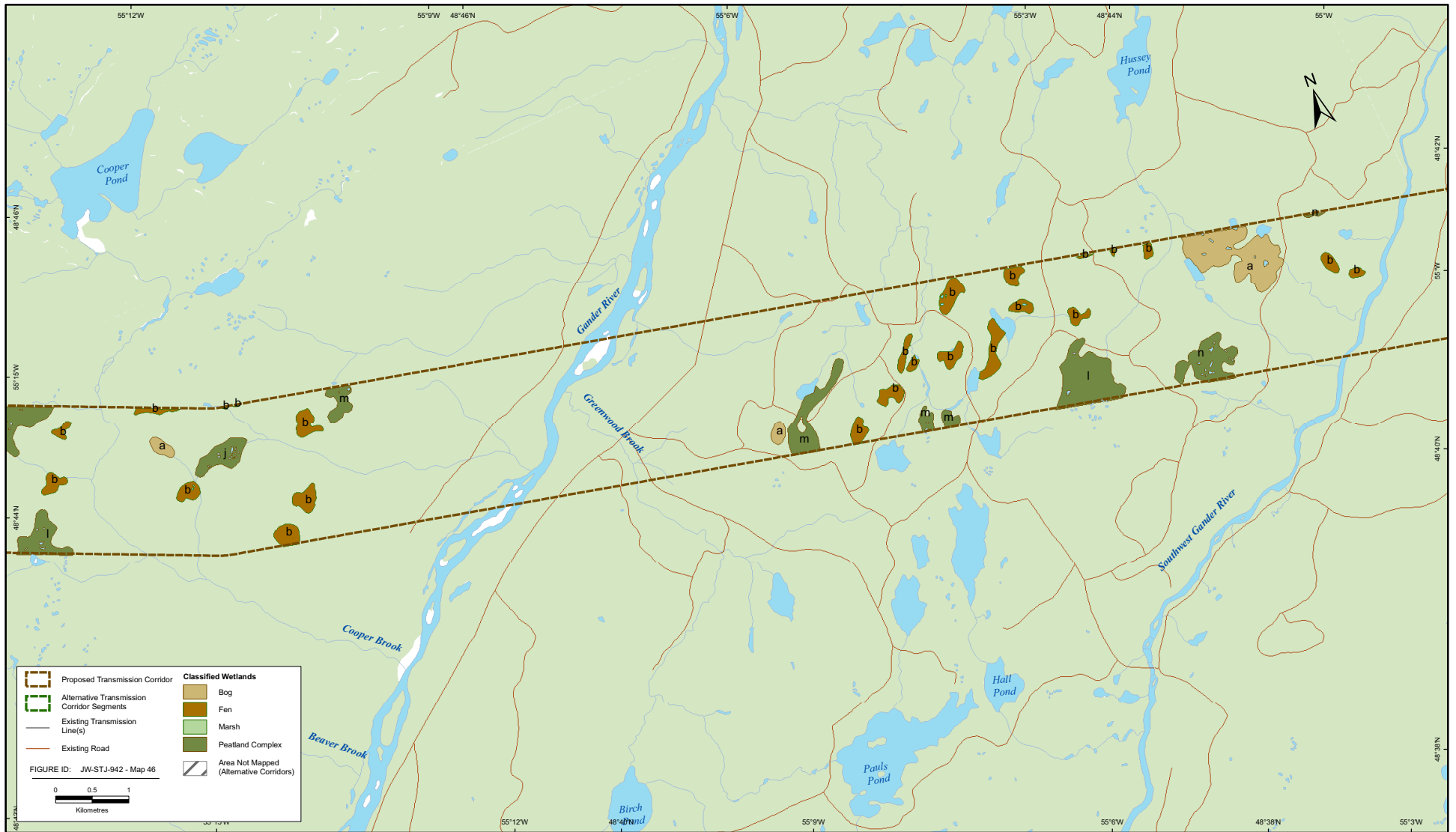


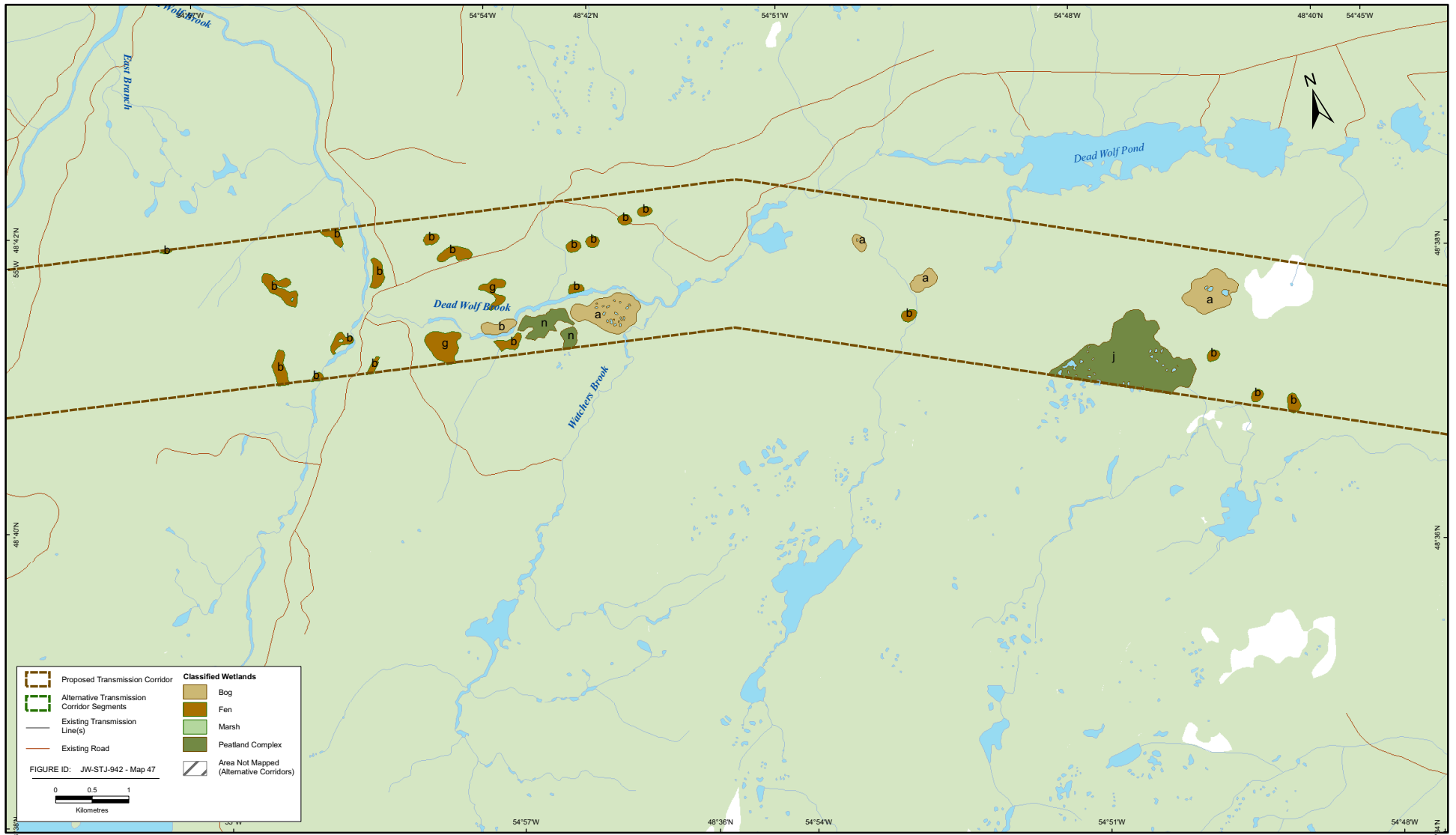


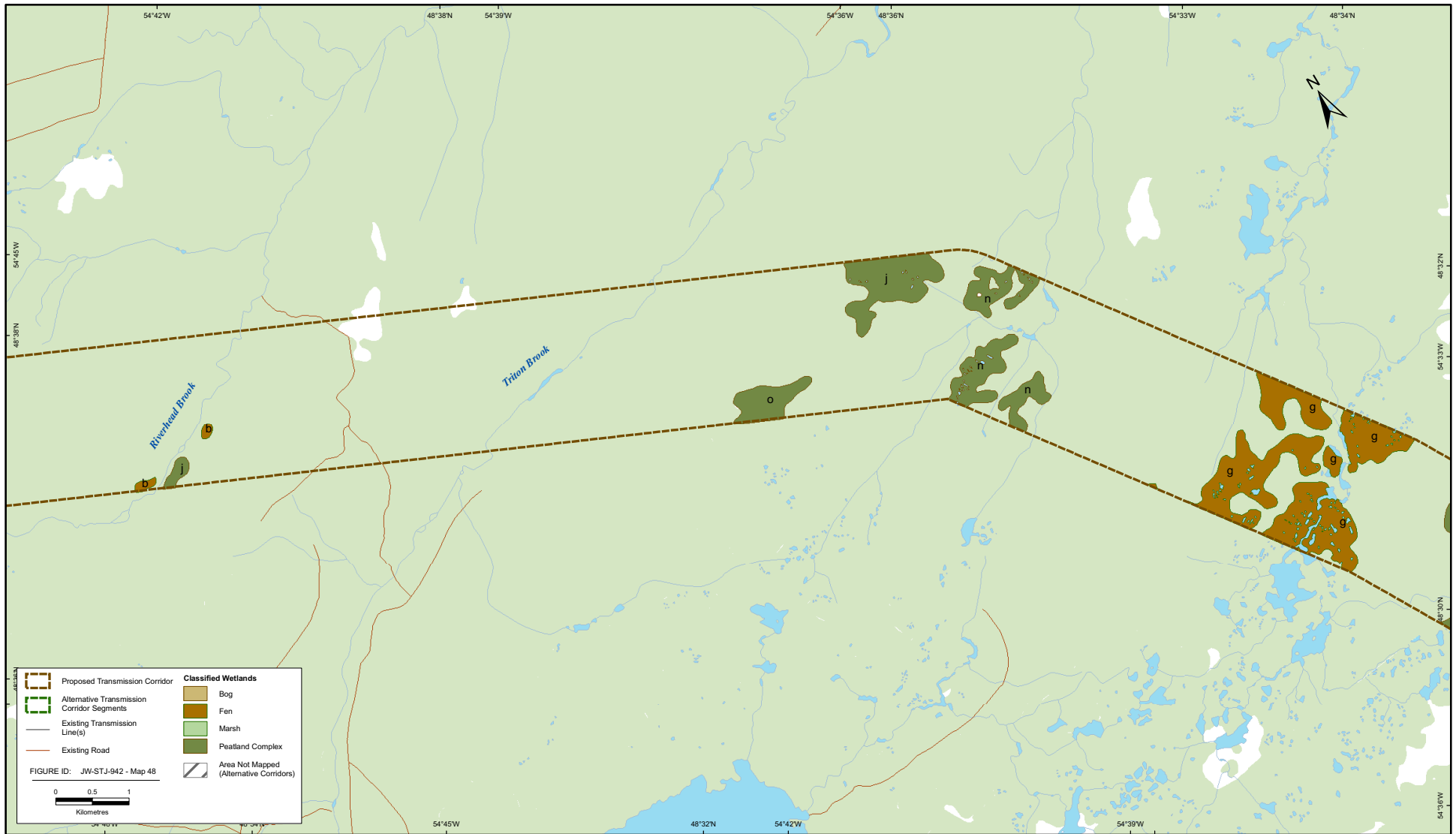






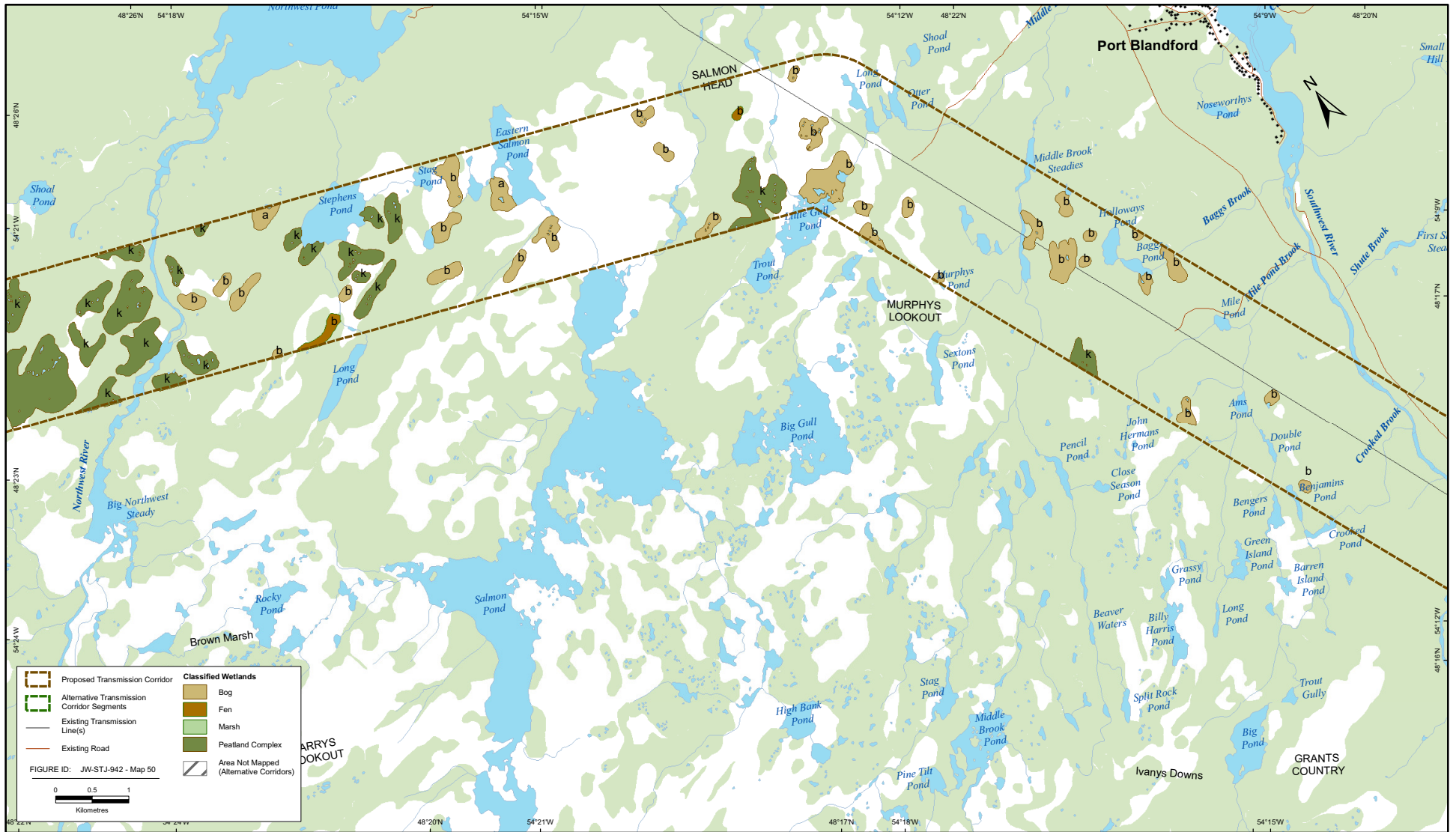








**Labrador - Island Transmission Link: Central Newfoundland to Soldiers Pond - # 49**

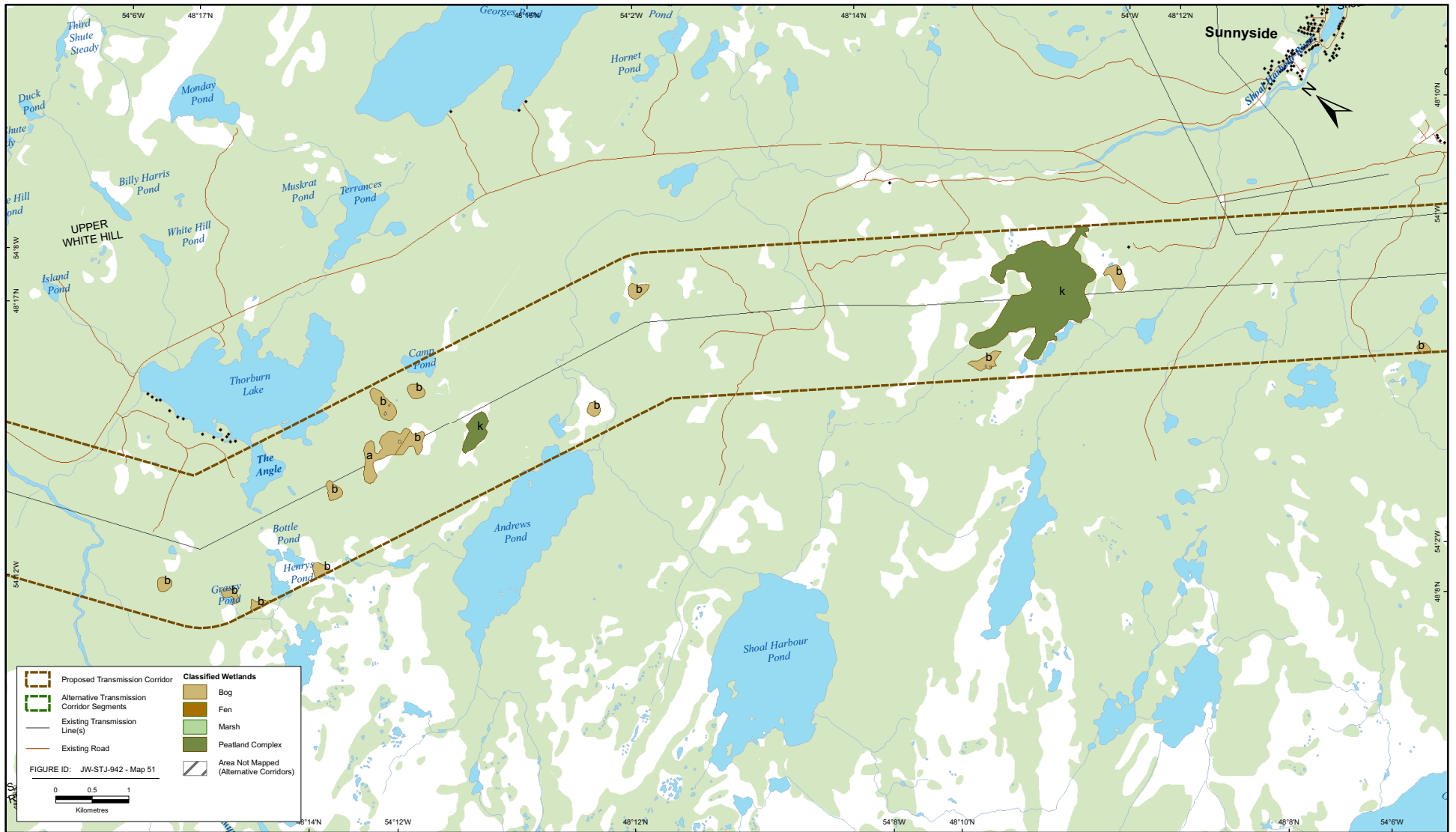


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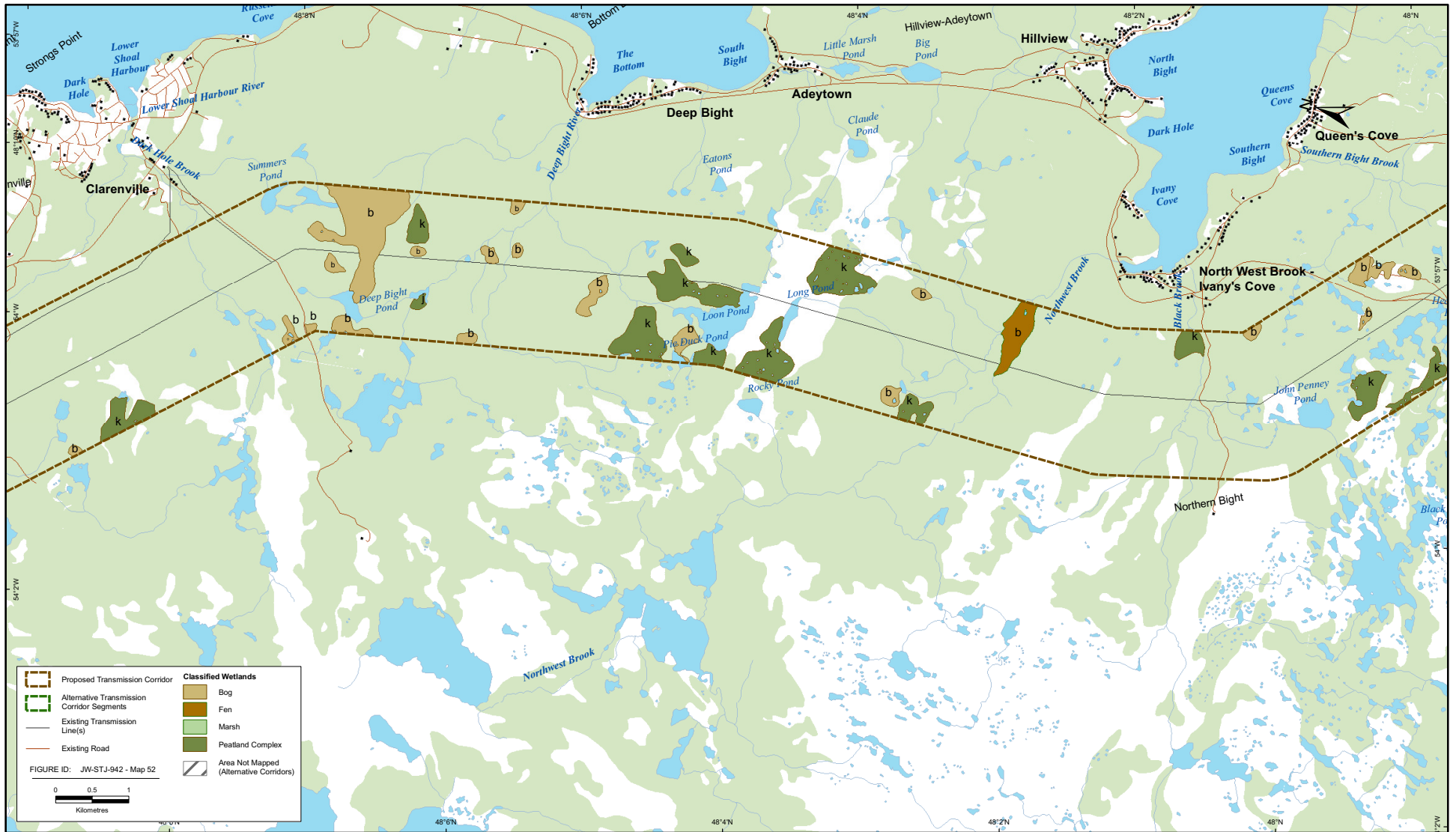
Labrador - Island Transmission Link: Central Newfoundland to Soldiers Pond - # 50

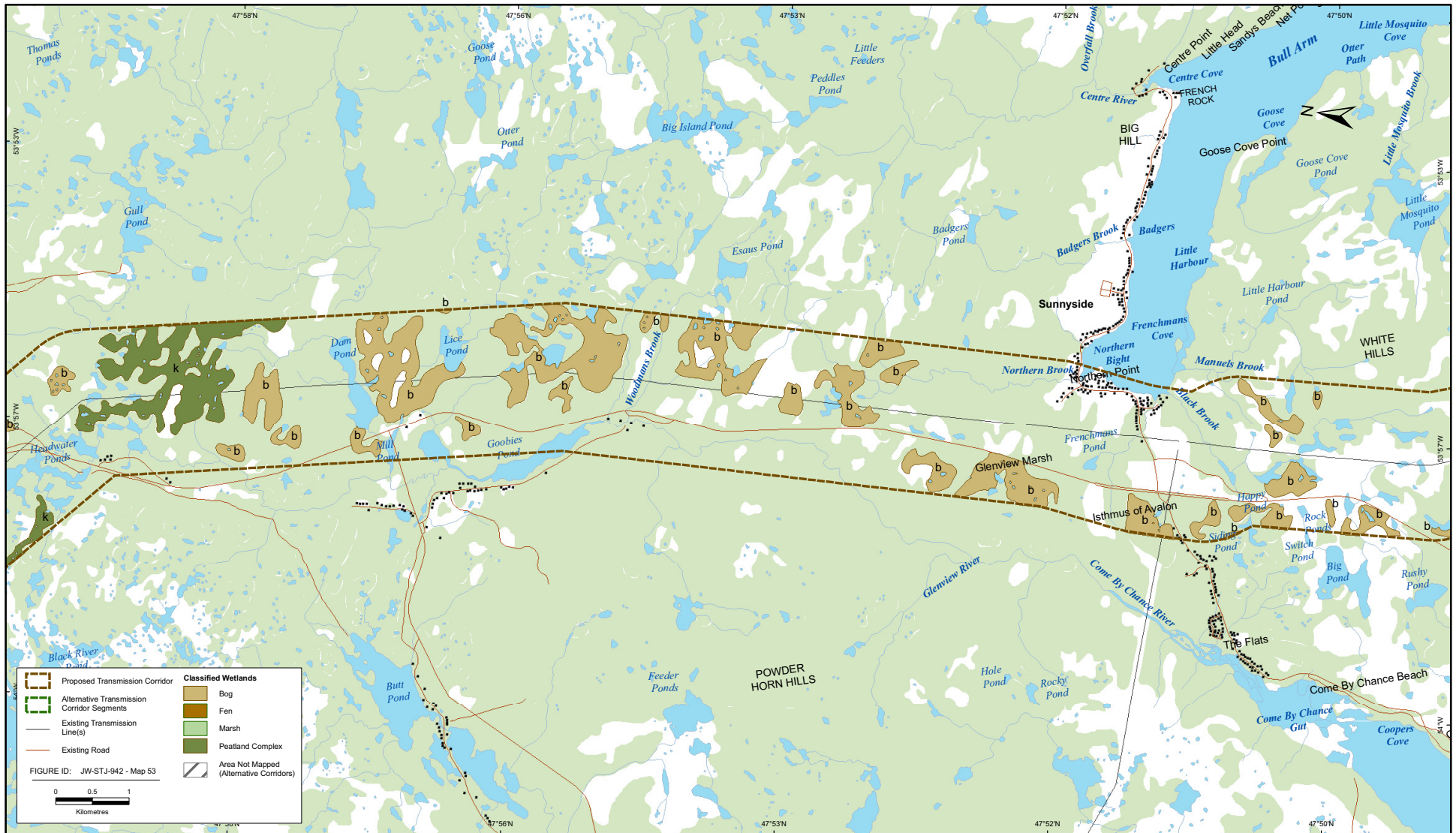




# APPENDIX A - 51

Labrador - Island Transmission Link: Central Newfoundland to Soldiers Pond - # 51









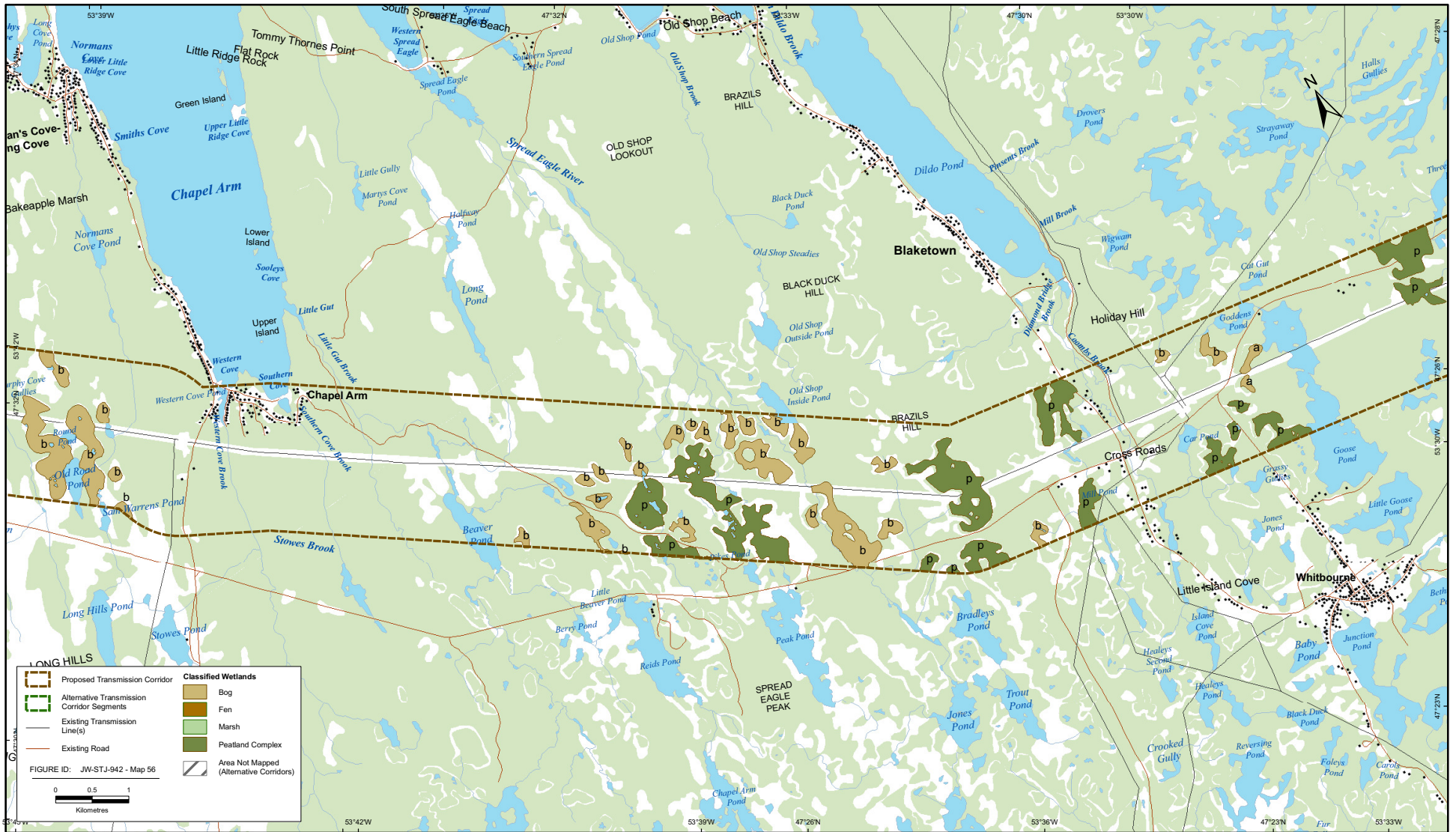


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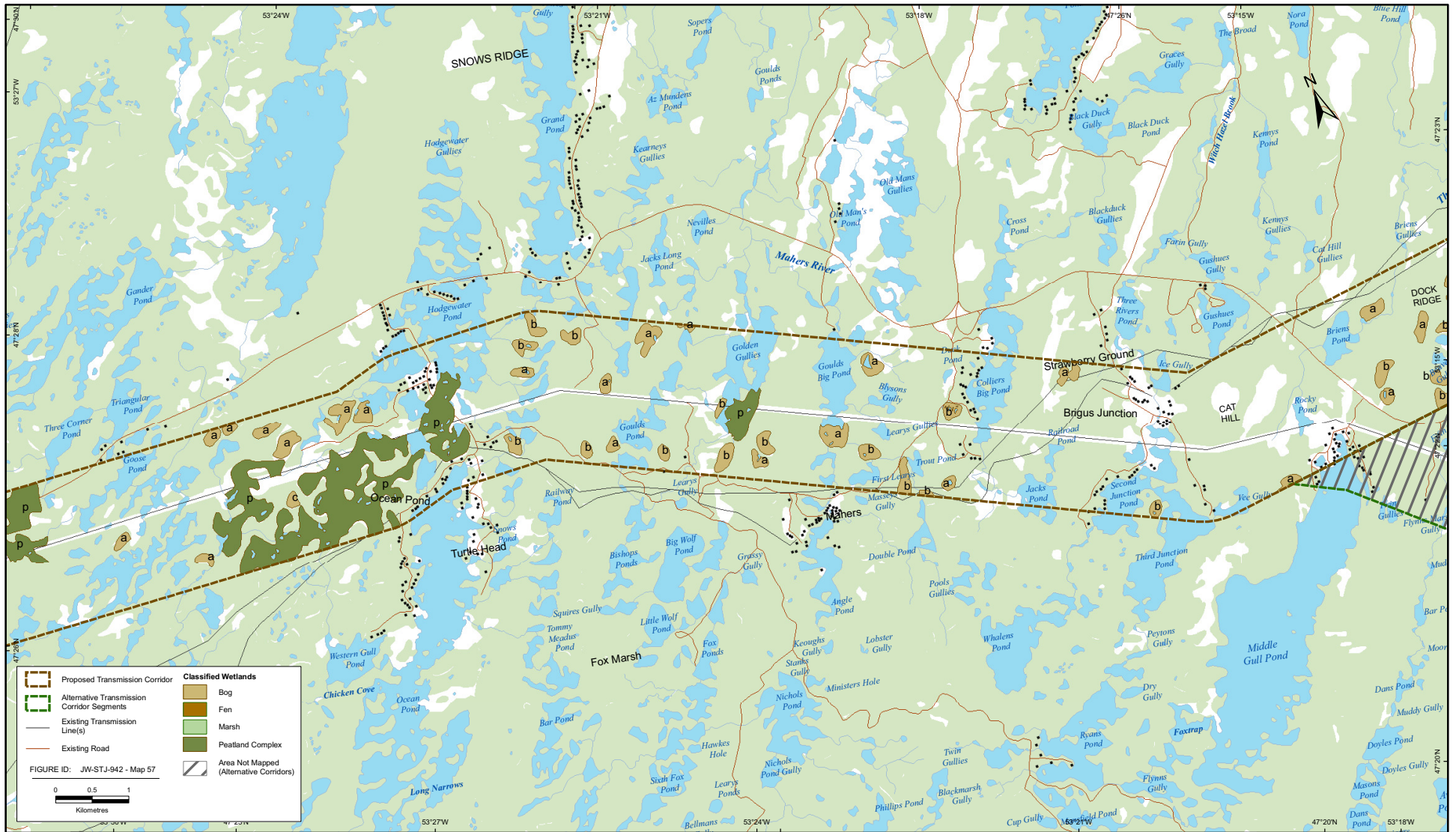


Labrador - Island Transmission Link: Central Newfoundland to Soldiers Pond - # 55







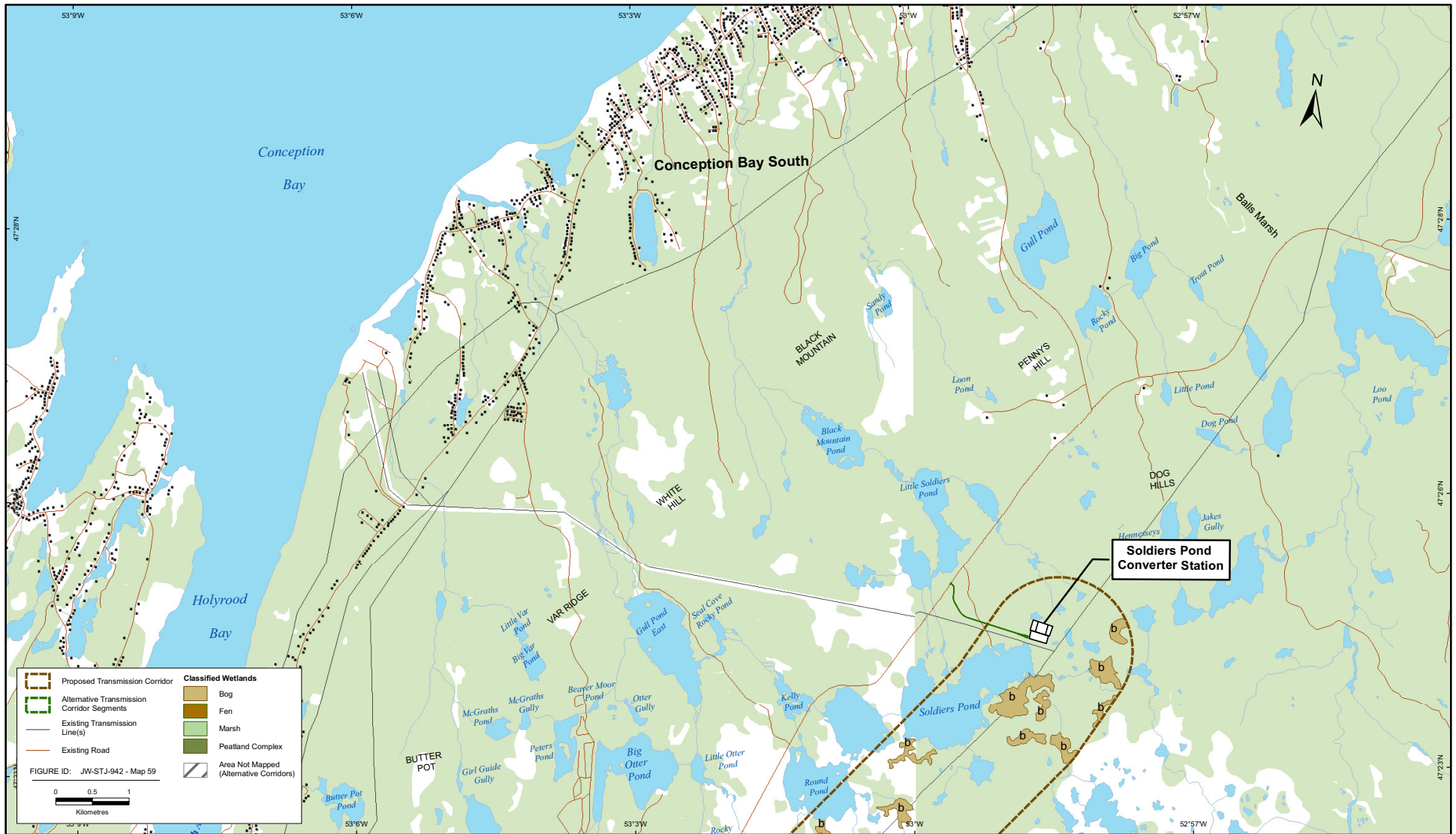


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Labrador - Island Transmission Link: Central Newfoundland to Soldiers Pond - # 57









## **APPENDIX B**

Study Team





### Wetland Study Team

| Role                                          | Personnel                        |
|-----------------------------------------------|----------------------------------|
| Component Manager                             | Brent Keeping (2008-2009)        |
| Lead Report Author and Lead Wetland Ecologist | Sean Bennett (2010)              |
|                                               | Doyle Wells (2008-2009)          |
| Lead Field Ecologists                         | Brent Keeping<br>Michael Crowell |
| Information Management                        | Stephen Rowe                     |

**Brent Keeping, B.Sc.**, was the technical lead for the Wetland Inventory and Classification study, assisted in the report writing and was one of the senior field ecologists involved in the Project. He has been conducting baseline environmental studies for more than 19 years, with a focus on vegetation communities and rare plants. He was the primary ecologist undertaking the Broad Ecosystem Inventory of British Columbia and has extensive experience leading field teams in western and eastern Canada. As a vegetation ecologist with Stantec, he was a lead ecologist on the Project Area ELC for the Lower Churchill Hydroelectric Generation Project and has conducted numerous vegetation and rare plant studies for a variety of clients and project types in Newfoundland.

**Doyle Wells, Ph.D.**, is an associate of Stantec. He is the lead author and was also responsible for the delineation and interpretation of the wetlands for this study. Dr. Wells has researched and published phytosociological, morphological and ecological classifications for wetlands in Atlantic Canada and was a member of the national group responsible for developing the Canadian Wetlands Classification System. He is a former Forest Science Director responsible for the development, operation and management of the Forest Science Program of the Canadian Forest Service (Atlantic) in Newfoundland and Labrador. His recent work includes the development and delivery of Identification and Interpretation of Wetlands in Newfoundland and Labrador to various groups and agencies.

**Michael Crowell, M.Sc.**, is a terrestrial ecologist with Stantec with over 22 years of experience in Atlantic Canada. He has conducted a number of studies in Newfoundland and Labrador, including the Rare Plant and ELC Environmental Baseline Reports for the Lower Churchill Hydroelectric Generation Project. He has participated in vegetation surveys for the proposed Trans Labrador Highway Phase III, and in the Voisey's Bay and Goose Bay areas. Mr. Crowell was the senior field researcher for this Project.

**Stephen Rowe, B.Sc.**, is a GIS Specialist and Lead of the Information Management department with Stantec in St. John's, Newfoundland and Labrador. Since graduating with a Bachelor of Science degree in Geography in 1998, he has gained over nine years experience as a GIS professional. Mr. Rowe has a diverse back-ground as a GIS professional, including working for Parks Canada, provincial parks and for a seismic surveying company. Mr. Rowe has involved himself in various GIS and AutoCAD assignments, including ecosystem mapping, linear corridor utility and pipeline projects, wetland and watershed studies, biophysical assessments, mapping of environmentally significant areas and species at risk and a range of wildlife/resource management projects.

**Sean Bennett, B.Sc., P.Biol., R.P.F.**, is a Professional Biologist (ASPB) & Professional Forester (CAPF) with over 14 years experience in the area of environmental consulting. A technical professional with focus on the assessment and characterization of terrestrial ecosystems, Mr. Bennett has provided expertise and coordinated projects throughout Canada in accordance with applicable federal and provincial (Sask., AB, BC, YK, N.W.T., Nunavut) regulatory requirements. Proficient in botanical/vegetation inventories (including taxonomy and species identification) and soil classification (Canadian System of Soil Classification), with demonstrated experience in the application of Ecological Land Classification (ELC) principles, he has conducted baseline environmental studies evaluating a variety of habitats to identify site-specific constraints (i.e., environmentally significant/sensitive areas) and develop appropriate mitigative measures for proposed developments. Mr. Bennett served in the capacity of technical reviewer during the later stages of this Study.