Wilton Substation
Lake Bemidji
Wilton
Bemidji
BELTRAMI COUNTY
Cass Lake
Lake Winnibigoshish
Bowstring Lake
ITASCA COUNTY
HUBBARD COUNTY
Cass Lake
Pike Bay
Mississippi River
Ball Club Lake
Deer Lake
Bena
Deer River
Zemple
CASS COUNTY
Federal Dam
Leech Lake River
Boswell Substation
Cohasset
Laporte
Kabekona Lake
Leech Lake
Boy River
Pokegama Lake
Walker
Remer
Akeley
Longville
Hill City
46
38
2
71
371
64
200
6

Legend

- Project Endpoints
- South Corridor
- Leech Lake Reservation

NWI Wetlands

- Emergent Wetland
- Forested/Shrub Wetland
- Lake
- Riverine
- Pipelines

Existing Transmission Lines

- 69 kV
- 115 kV
- 230 kV

0 5 10
Miles

Figure 8 - South Corridor Surface Waters Map
230 kV Bemidji to Grand Rapids Transmission Line Project
Minnkota Power Cooperative, Otter Tail Power Company and Minnesota Power

CapX2020
Delivering electricity you can rely on

Bemidji-Grand Rapids 230-kV line

Map Document: (N:\GISPro)\Otertail\48496\map_docs\mxd\RUS_apps\macro_corridor\report\Special_edition\map_11x17L_surface_waters_maps.mxd)
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National Land Cover Dataset Classification System Legend

Color Key	RGB Value	Class Number and Name
	102, 140, 190	11 - Open Water
	255,255,255	12 - Perennial Ice/Snow
	253, 229, 228	21 - Low Intensity Residential
	247, 178, 159	22 - High Intensity Residential
	231, 86, 78	23 - Commerical/Industrial/Transportation
	210, 205, 192	31 - Bare Rock/Sand/Clay
	175, 175, 177	32 - Quarries/Strip Mines, Gravel Pits
	83, 62, 118	33 - Transitional
	134, 200, 127	41 - Deciduous Forest
	26, 129, 78	42 - Evergreen Forest
	212, 231, 177	43 - Mixed Forest
	220, 202, 143	51 - Shrubland
	187, 174, 118	61 - Orchards/Vineyards
	253, 233, 170	71 - Grasslands/Herbaceous
	252, 246, 93	81 - Pasture/Hay
	202, 145, 71	82 - Row Crops
	121, 108, 75	83 - Small Grains
	244, 238, 203	84 - Fallow
	240, 156, 054	85 - Urban/Recreational Grasses
	201, 230, 249	91 - Woody Wetlands
	144, 192, 217	92 - Emergent Herbaceous Wetlands

Legend

- Project Endpoints
- Central Corridor
- Leech Lake Reservation
- Pipelines

Existing Transmission Lines

- 69 kV
- 115 kV
- 230 kV

Tenstrike
Turtle River
Squaw Lake
Round Lake
Sand Lake
Bowstring Lake
Jessie Lake
BELTRAMI COUNTY
Cass Lake
Lake Winnibigoshish
ITASCA COUNTY
Cass Lake
HUBBARD COUNTY
Pike Bay
Bena
Mississippi River
Ball Club Lake
Deer Lake
Deer River
Zemple
CASS COUNTY
Federal Dam
Leech Lake River
Boswell Substation
Cohasset
Laporte
Kabekona Lake
Leech Lake
Boy River
Pokegama Lake
Walker
MINNESOTA 46
MINNESOTA 38
MINNESOTA 2
MINNESOTA 71
MINNESOTA 371
MINNESOTA 64
MINNESOTA 6

0 5 10
Miles

Figure 9 - Central Corridor Land Cover Map
230 kV Bemidji to Grand Rapids Transmission Line Project
Minnkota Power Cooperative, Otter Tail Power Company and Minnesota Power

CapX2020
Delivering electricity you can rely on

Bemidji-Grand Rapids 230-kV line

Map Document: (N:\GISProj\Ottertail\48496\map_docs\mxd\RUS_apps\macro_corridor\report\Special_edition\map_11x17L_land_cover_maps.mxd)
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National Land Cover Dataset Classification System Legend

Color Key	RGB Value	Class Number and Name
	102, 140, 190	11 - Open Water
	255,255,255	12 - Perennial Ice/Snow
	253, 229, 228	21 - Low Intensity Residential
	247, 178, 159	22 - High Intensity Residential
	231, 86, 78	23 - Commerical/Industrial/Transportation
	210, 205, 192	31 - Bare Rock/Sand/Clay
	175, 175, 177	32 - Quarries/Strip Mines, Gravel Pits
	83, 62, 118	33 - Transitional
	134, 200, 127	41 - Deciduous Forest
	26, 129, 78	42 - Evergreen Forest
	212, 231, 177	43 - Mixed Forest
	220, 202, 143	51 - Shrubland
	187, 174, 118	61 - Orchards/Vineyards
	253, 233, 170	71 - Grasslands/Herbaceous
	252, 246, 93	81 - Pasture/Hay
	202, 145, 71	82 - Row Crops
	121, 108, 75	83 - Small Grains
	244, 238, 203	84 - Fallow
	240, 156, 054	85 - Urban/Recreational Grasses
	201, 230, 249	91 - Woody Wetlands
	144, 192, 217	92 - Emergent Herbaceous Wetlands

Legend

- Project Endpoints
- North Corridor
- Leech Lake Reservation
- Pipelines

Existing Transmission Lines

- 69 kV
- 115 kV
- 230 kV

Wilton Substation
Boswell Substation
Blackduck
Tenstrike
Bigfork
Squaw Lake
Round Lake
Sand Lake
Jessie Lake
Bowstring Lake
Lake Bemidji
Wilton
Bemidji
Cass Lake
Lake Winnibigoshish
Pike Bay
Bena
Deer River
Zemple
Deer Lake
Ball Club Lake
Mississippi River
Federal Dam
Leech Lake River
Cohasset
Laporte
BELTRAMI COUNTY
HUBBARD COUNTY
CASS COUNTY
ITASCA COUNTY
46
38
2
371

0 5 10 Miles

Figure 10 - North Corridor Land Cover Map
230 kV Bemidji to Grand Rapids Transmission Line Project
Minnkota Power Cooperative, Otter Tail Power Company and Minnesota Power

CapX2020 Delivering electricity you can rely on

Bemidji-Grand Rapids 230-kV line

Map Document: (N:\GISProj\Ottertail\48496\map_docs\mxd\RUS_apps\macro_corridor\report\Special_edition\map_11x17L_land_cover_maps.mxd)
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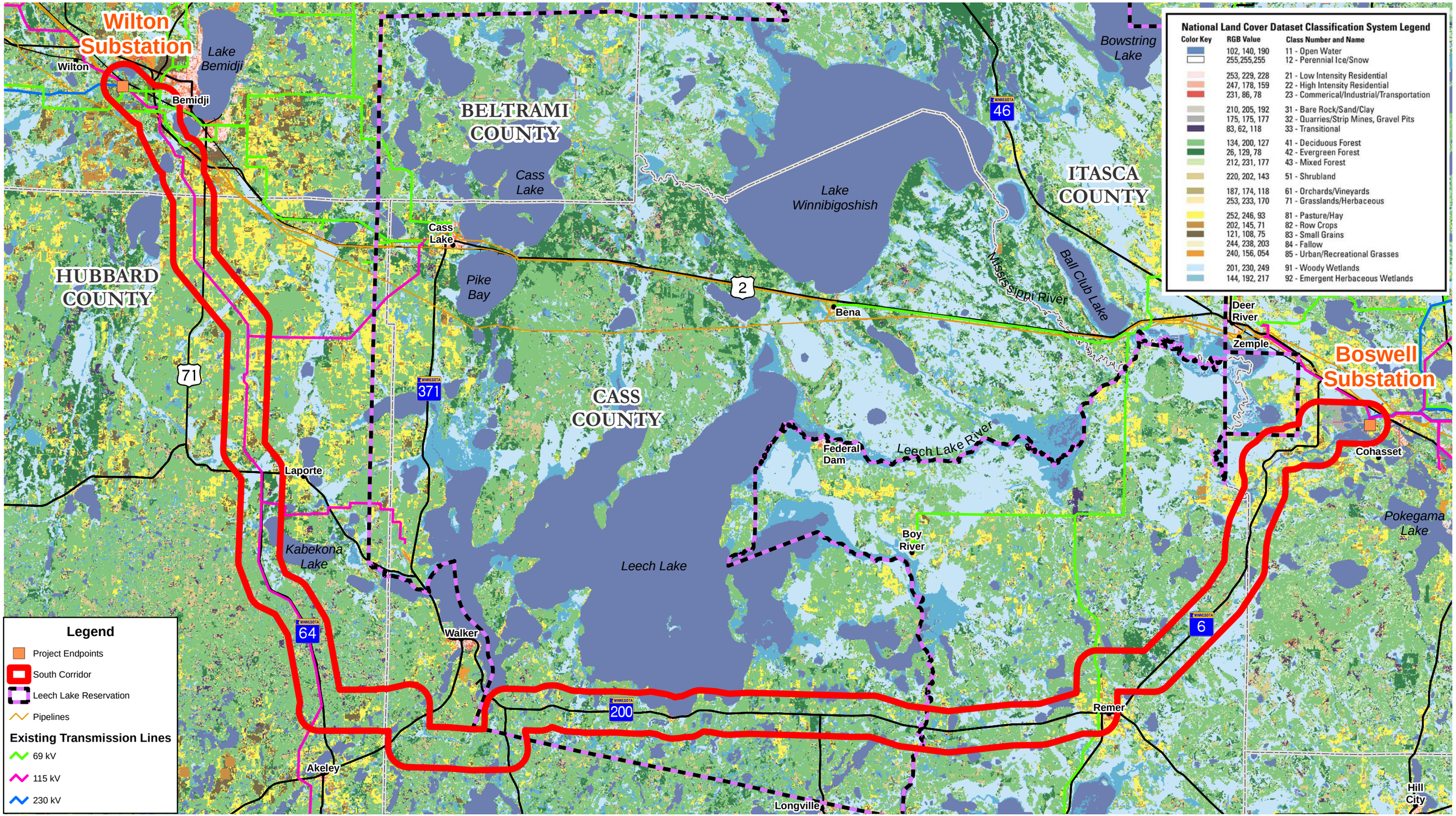

0 5 10
Miles

Figure 11 - South Corridor Land Cover Map
230 kV Bemidji to Grand Rapids Transmission Line Project
Minnkota Power Cooperative, Otter Tail Power Company and Minnesota Power

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230-kV line

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