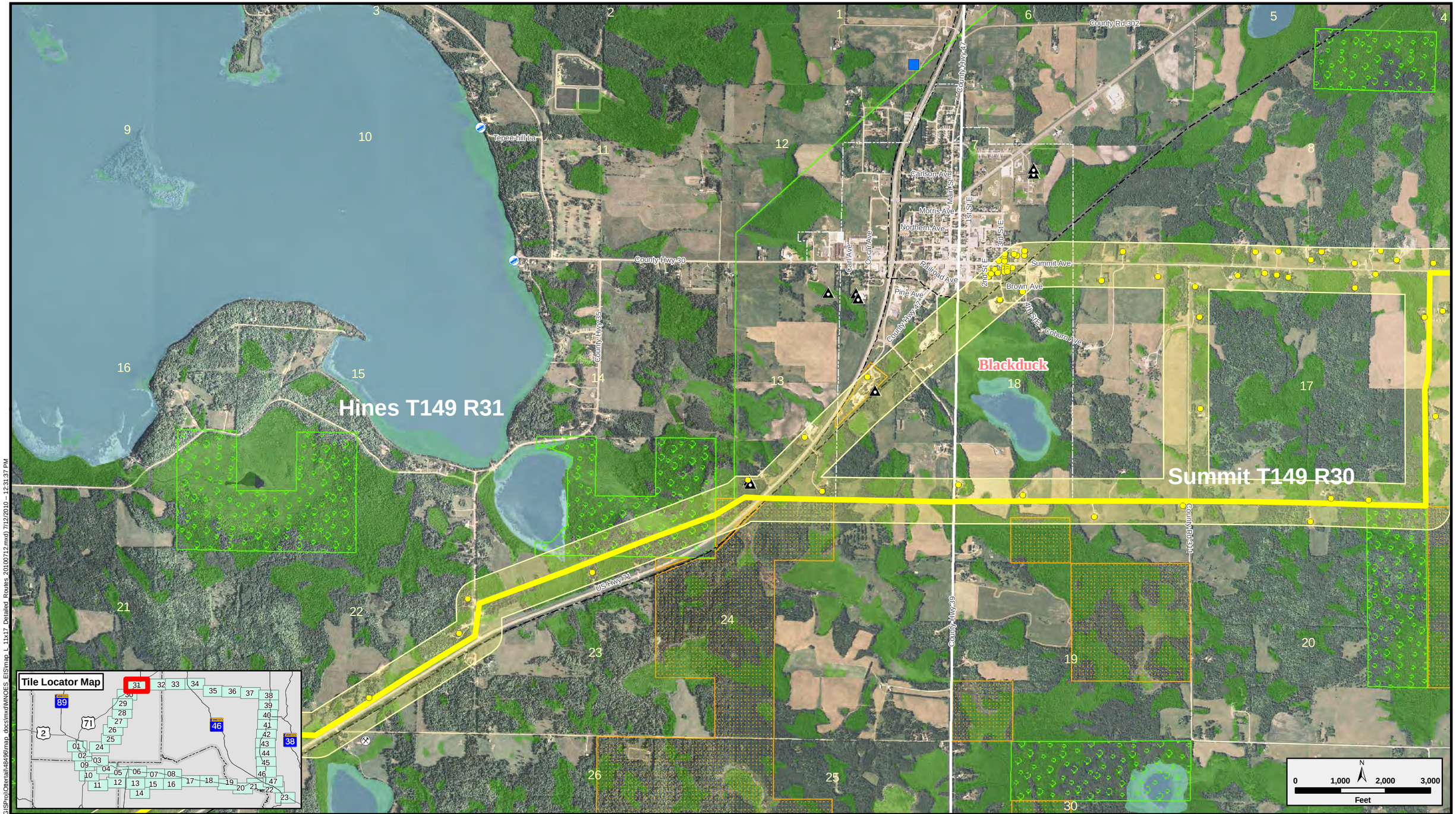


Map Document: (\\mspe-gis-file\GISProj\Otterail\48496\map_docs\mxd\MN\OES_EIS\map_L_11x17_Detailed_Routes_20100712.mxd) 7/12/2010 -- 12:31:37 PM

Route Alternatives
- Route 1
- Route 2
- Route 3
- Route 4
- Alternate Route Segment

Route ROW Alternatives
- Route 1
- Route 2
- Route 3
- Route 4

- Project Endpoints
- Breaker Station
- Proposed Substation

Existing Transmission Lines
- 69 kV
- 115 kV
- 230 kV

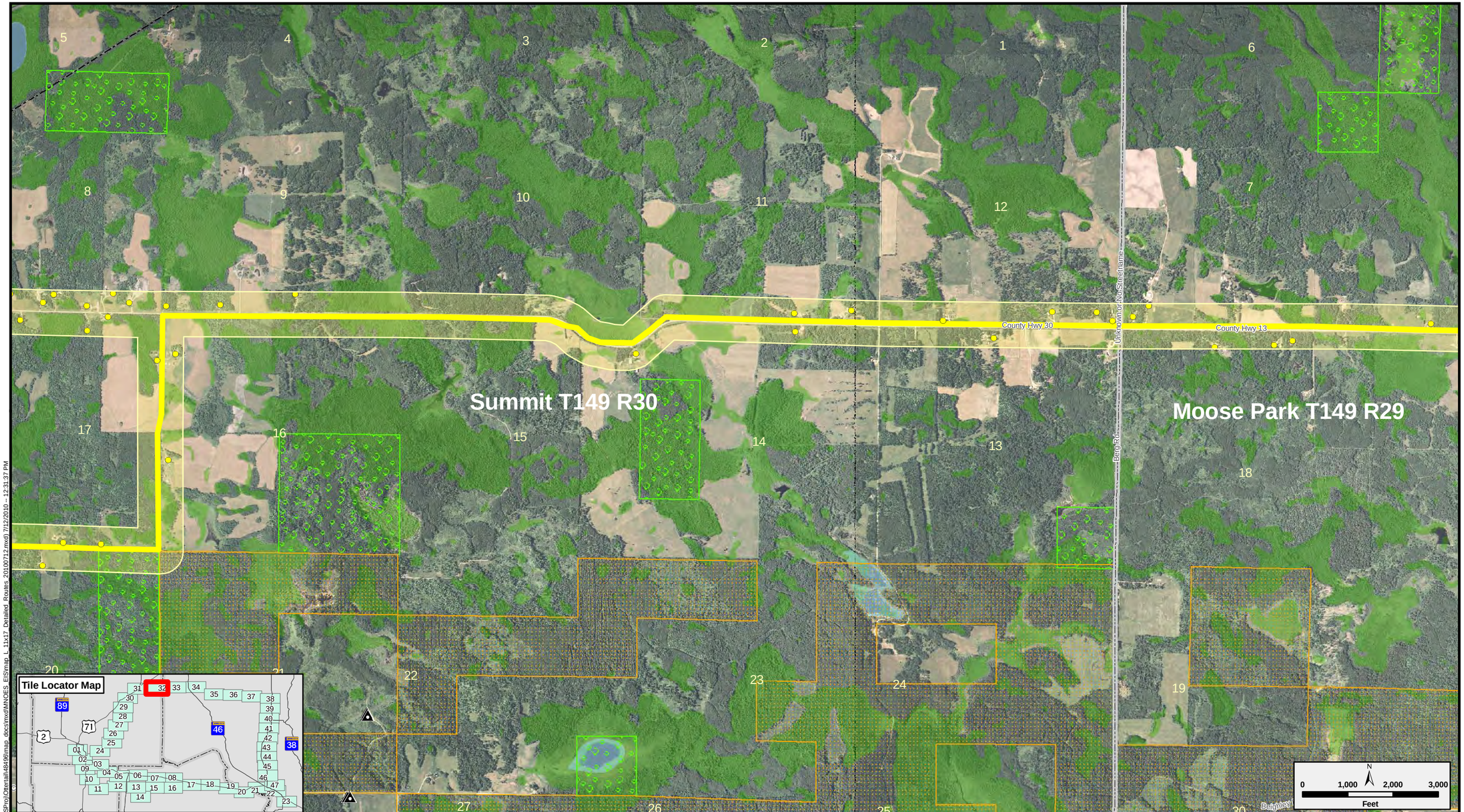
- Leech Lake Reservation
- Propsoed Pipelines
- Existing Pipeline
- Communication Tower
- Existing Substation

Natural Resource Areas
- Wildlife Management Area
- Chippewa National Forest
- MN State Forest
- MN DNR SNA

Hyrdology
- NWI Wetland
- PWI Wetland
- PWI Stream

- Snowmobile
- Recreational Trails
- Water Access
- Residence
- Gravel Pit

Appendix D, Sheet 31 of 47
Detailed Route Maps
230 kV BGR Transmission Line
Final Environmental Impact Statement



Map Document: (\\nspe-gis-file\GISProj\Otterail\48496\map_docs\mxd\MNOES_EIS\map_L_11x17_Detailed_Routes_20100712.mxd) 7/12/2010 -- 12:31:37 PM

Route Alternatives
- Route 1
- Route 2
- Route 3
- Route 4
- Alternate Route Segment

Route ROW Alternatives
- Route 1
- Route 2
- Route 3
- Route 4

- Project Endpoints
- Breaker Station
- Proposed Substation

Existing Transmission Lines
- 69 kV
- 115 kV
- 230 kV

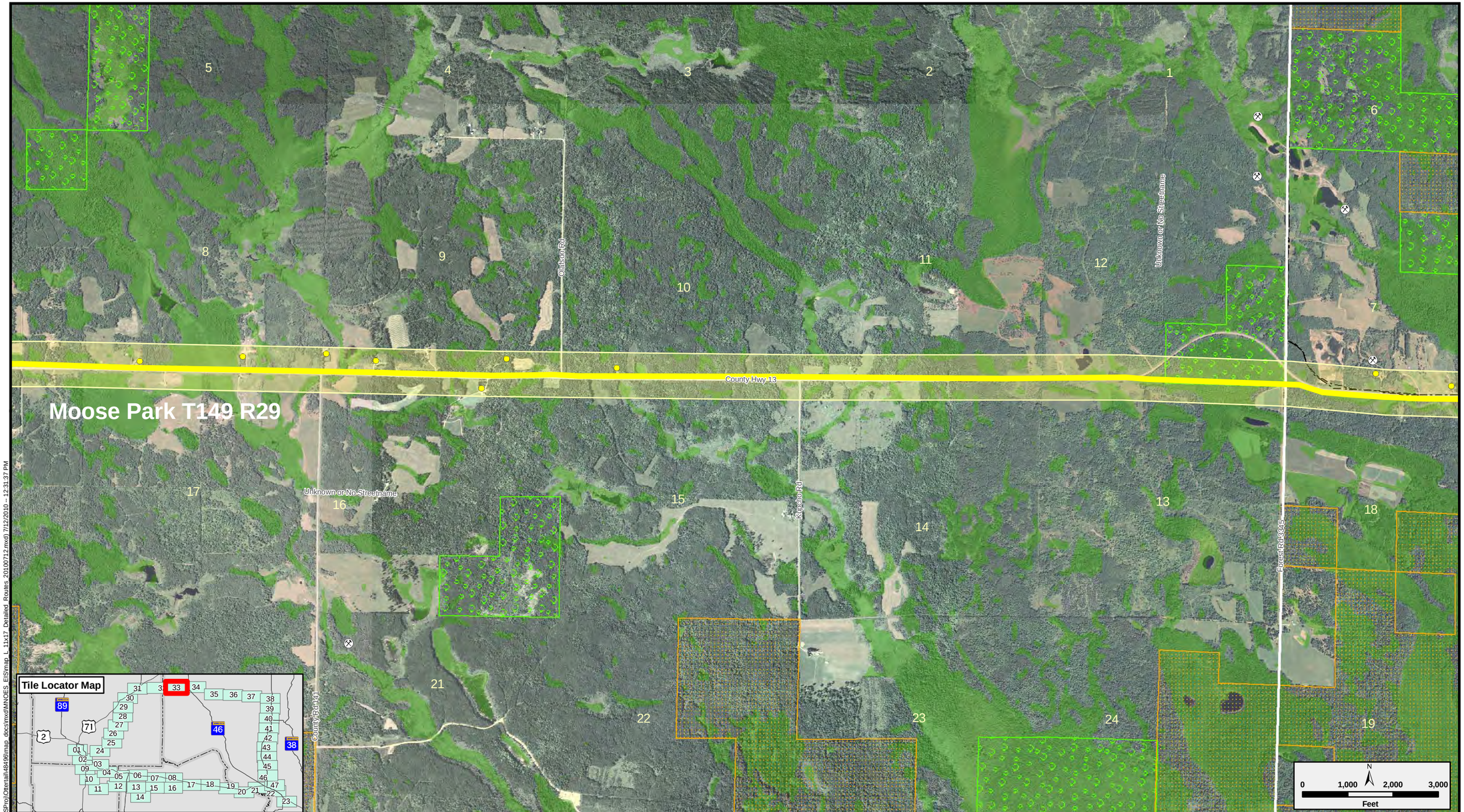
- Leech Lake Reservation
- Propsoed Pipelines
- Existing Pipeline
- Communication Tower
- Existing Substation

Natural Resource Areas
- Wildlife Management Area
- Chippewa National Forest
- MN State Forest
- MN DNR SNA

Hyrdology
- NWI Wetland
- PWI Wetland
- PWI Stream

- Snowmobile
- Recreational Trails
- Water Access
- Residence
- Gravel Pit

Appendix D, Sheet 32 of 47
Detailed Route Maps
230 kV BGR Transmission Line
Final Environmental Impact Statement



Route Alternatives
- Route 1
- Route 2
- Route 3
- Route 4
- Alternate Route Segment

Route ROW Alternatives
- Route 1
- Route 2
- Route 3
- Route 4

- Project Endpoints
- Breaker Station
- Proposed Substation

Existing Transmission Lines
- 69 kV
- 115 kV
- 230 kV

- Leech Lake Reservation
- Propsoed Pipelines
- Existing Pipeline
- Communication Tower
- Existing Substation

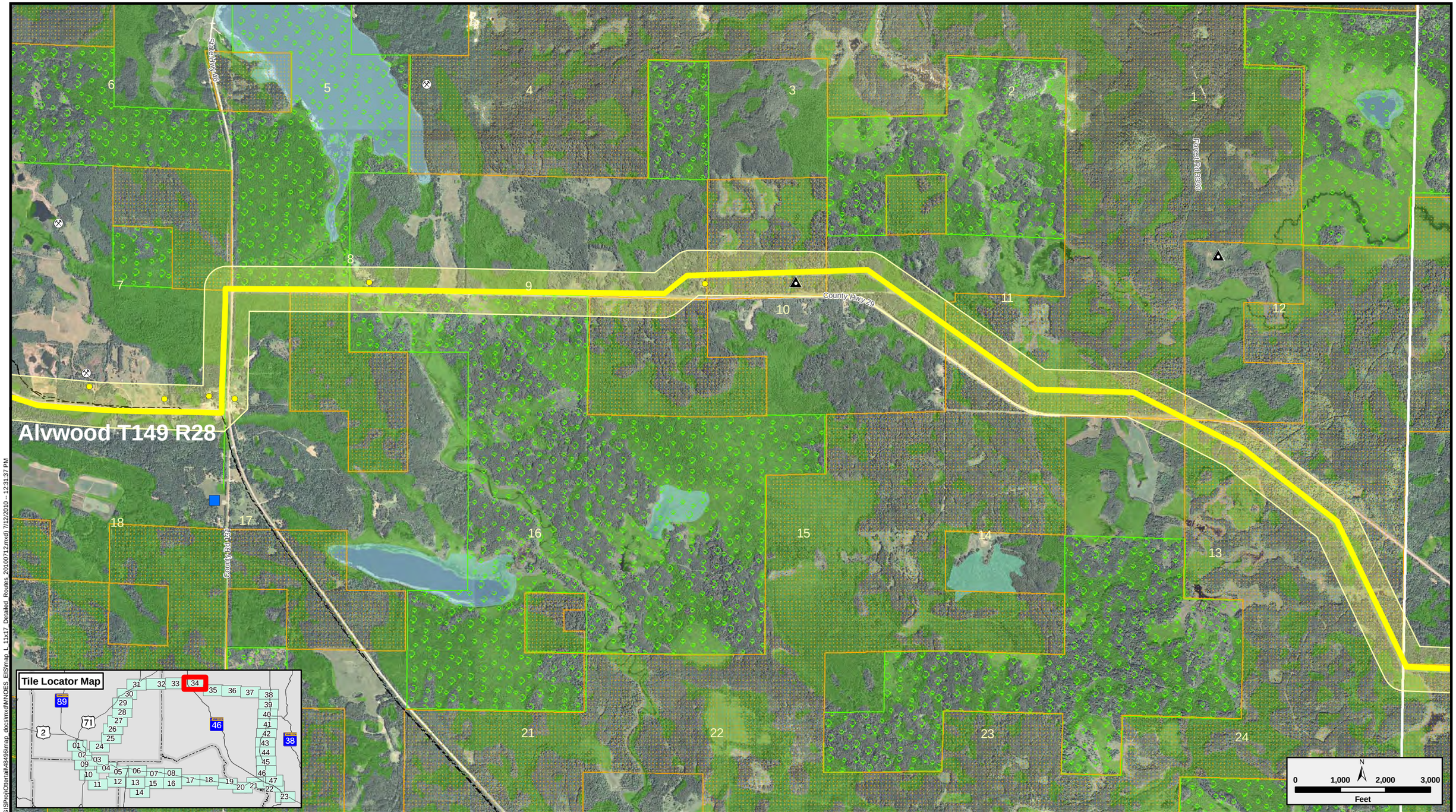
Natural Resource Areas
- Wildlife Management Area
- Chippewa National Forest
- MN State Forest
- MN DNR SNA

Hyrdology
- NWI Wetland
- PWI Wetland
- PWI Stream

- Snowmobile
- Recreational Trails
- Water Access
- Residence
- Gravel Pit

Appendix D, Sheet 33 of 47
Detailed Route Maps
230 kV BGR Transmission Line
Final Environmental Impact Statement

Map Document: (\\mspe-gis-file\GISProj\Ottertail\48496\map_docs\mxd\MNOES_EIS\map_L_11x17_Detailed_Routes_20100712.mxd) 7/12/2010 -- 12:31:37 PM



USDA Rural Development

office of energy security

Route Alternatives
- Route 1
- Route 2
- Route 3
- Route 4
- Alternate Route Segment

Route ROW Alternatives
- Route 1
- Route 2
- Route 3
- Route 4

- Project Endpoints
- Breaker Station
- Proposed Substation

Existing Transmission Lines
- 69 kV
- 115 kV
- 230 kV

- Leech Lake Reservation
- Propsoed Pipelines
- Existing Pipeline
- Communication Tower
- Existing Substation

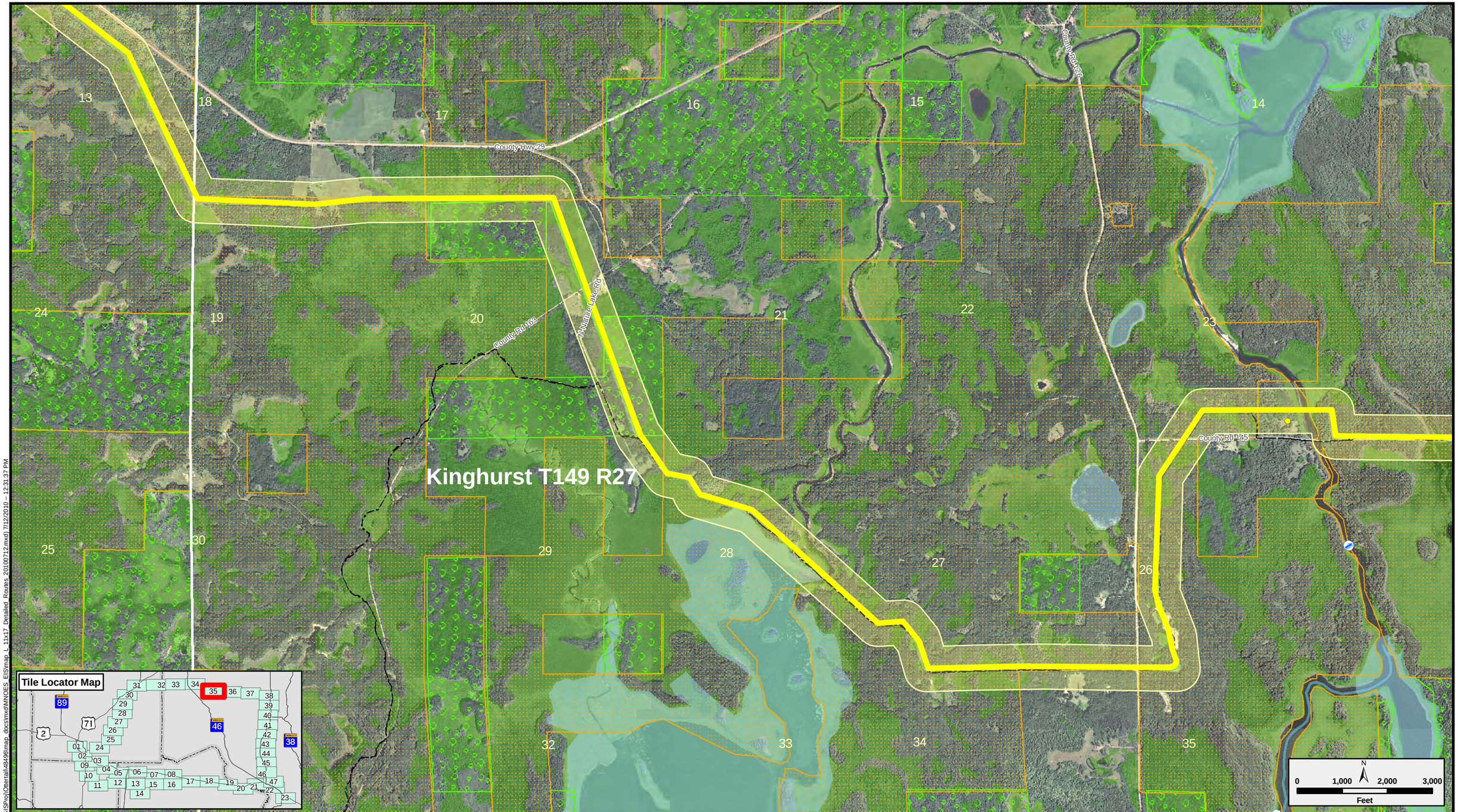
Natural Resource Areas
- Wildlife Management Area
- Chippewa National Forest
- MN State Forest
- MN DNR SNA

Hyrdology
- NWI Wetland
- PWI Wetland
- PWI Stream

- Snowmobile
- Recreational Trails
- Water Access
- Residence
- Gravel Pit

Appendix D, Sheet 34 of 47
Detailed Route Maps
230 kV BGR Transmission Line
Final Environmental Impact Statement

Map Document: (\\msps-gis-file\GIS\Proj\Otterail\48496\map_docs\mxd\MNOES_EIS\map_L_11x17_Detailed_Routes_20100712.mxd) 7/12/2010 -- 12:31:37 PM



Route Alternatives
- Route 1
- Route 2
- Route 3
- Route 4
- Alternate Route Segment

Route ROW Alternatives
- Route 1
- Route 2
- Route 3
- Route 4

- Project Endpoints
- Breaker Station
- Proposed Substation

Existing Transmission Lines
- 69 kV
- 115 kV
- 230 kV

- Leech Lake Reservation
- Propsoed Pipelines
- Existing Pipeline
- Communication Tower
- Existing Substation

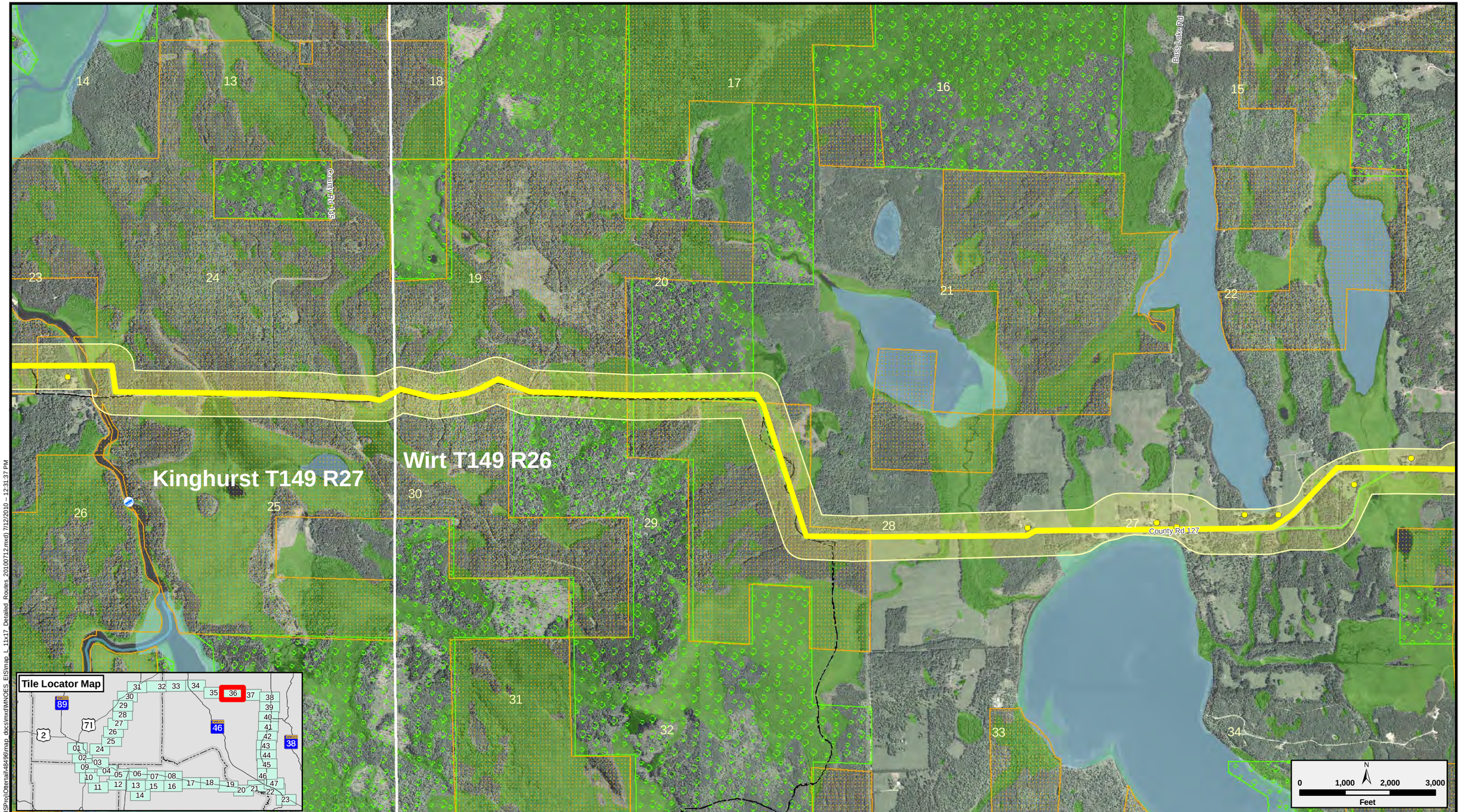
Natural Resource Areas
- Wildlife Management Area
- Chippewa National Forest
- MN State Forest
- MN DNR SNA

Hyrdology
- NWI Wetland
- PWI Wetland
- PWI Stream

- Snowmobile
- Recreational Trails
- Water Access
- Residence
- Gravel Pit

Appendix D, Sheet 35 of 47
Detailed Route Maps
230 kV BGR Transmission Line
Final Environmental Impact Statement

Map Document: (\\mspe-gis-file\GISProj\Ottertail\48496\map_docs\mxd\MNOES_EIS\map_L_11x17_Detailed_Routes_20100712.mxd) 7/12/2010 -- 12:31:37 PM



USDA Rural Development

office of energy security

Route Alternatives
- Route 1
- Route 2
- Route 3
- Route 4
- Alternate Route Segment

Route ROW Alternatives
- Route 1
- Route 2
- Route 3
- Route 4

- Project Endpoints
- Breaker Station
- Proposed Substation

Existing Transmission Lines
- 69 kV
- 115 kV
- 230 kV

- Leech Lake Reservation
- Propsoed Pipelines
- Existing Pipeline
- Communication Tower
- Existing Substation

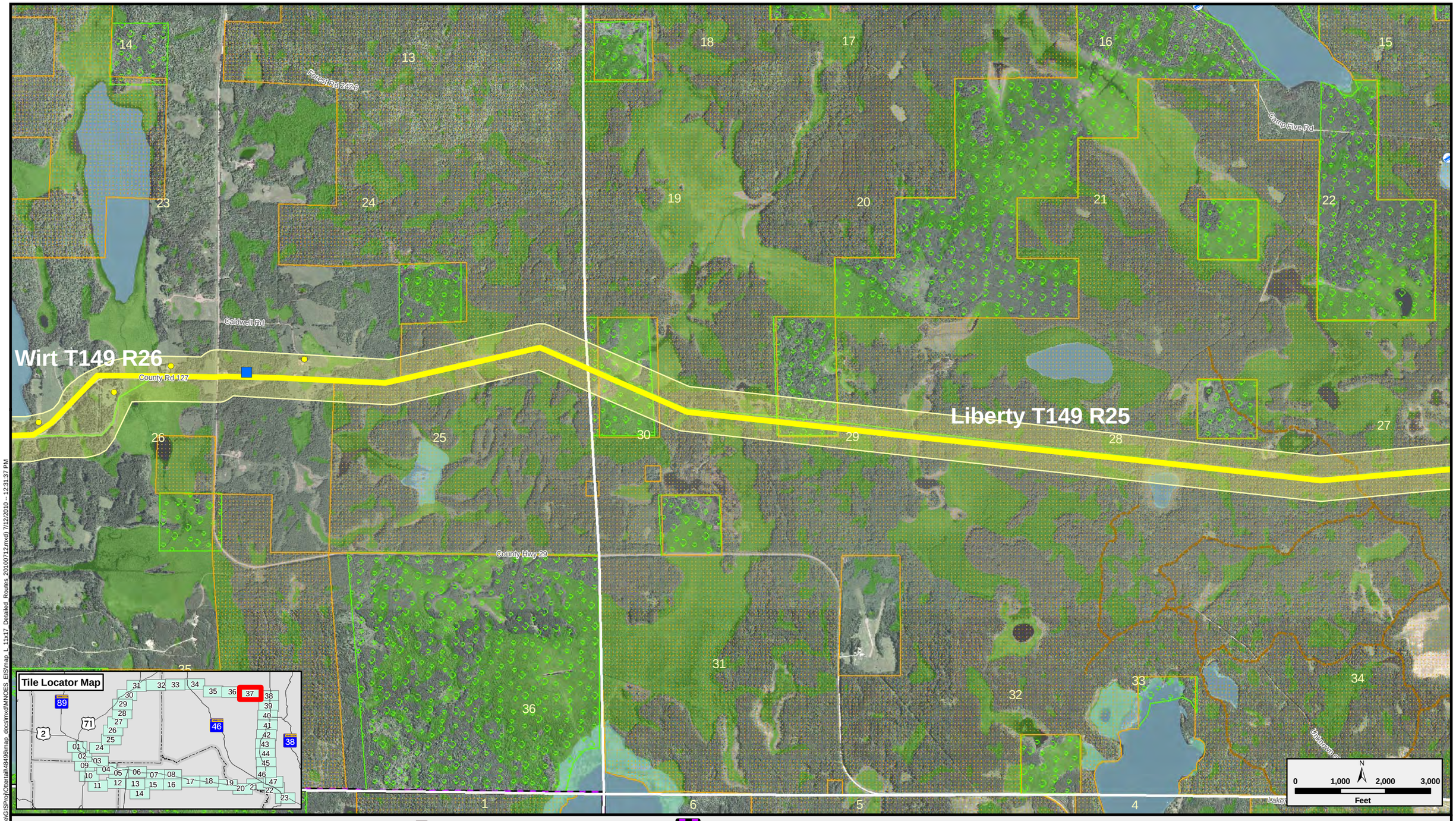
Natural Resource Areas
- Wildlife Management Area
- Chippewa National Forest
- MN State Forest
- MN DNR SNA

Hyrdology
- NWI Wetland
- PWI Wetland
- PWI Stream

- Snowmobile
- Recreational Trails
- Water Access
- Residence
- Gravel Pit

Appendix D, Sheet 36 of 47
Detailed Route Maps
230 kV BGR Transmission Line
Final Environmental Impact Statement

Map Document: (\\mnspe-gis-file\GISProj\Otterrail\48496\map_docs\mxd\MNOES_EIS\map_L_11x17_Detailed_Routes_20100712.mxd) 7/12/2010 -- 12:31:37 PM



Map Document: (\\nspe-gis-file\GISProj\Ottertail\48496\map_docs\mxd\MNOES_EIS\map_L_11x17_Detailed_Routes_20100712.mxd) 7/12/2010 -- 12:31:37 PM

USDA Rural Development

office of energy security

Route Alternatives
- Route 1
- Route 2
- Route 3
- Route 4
- Alternate Route Segment

Route ROW Alternatives
- Route 1
- Route 2
- Route 3
- Route 4

- Project Endpoints
- Breaker Station
- Proposed Substation

Existing Transmission Lines
- 69 kV
- 115 kV
- 230 kV

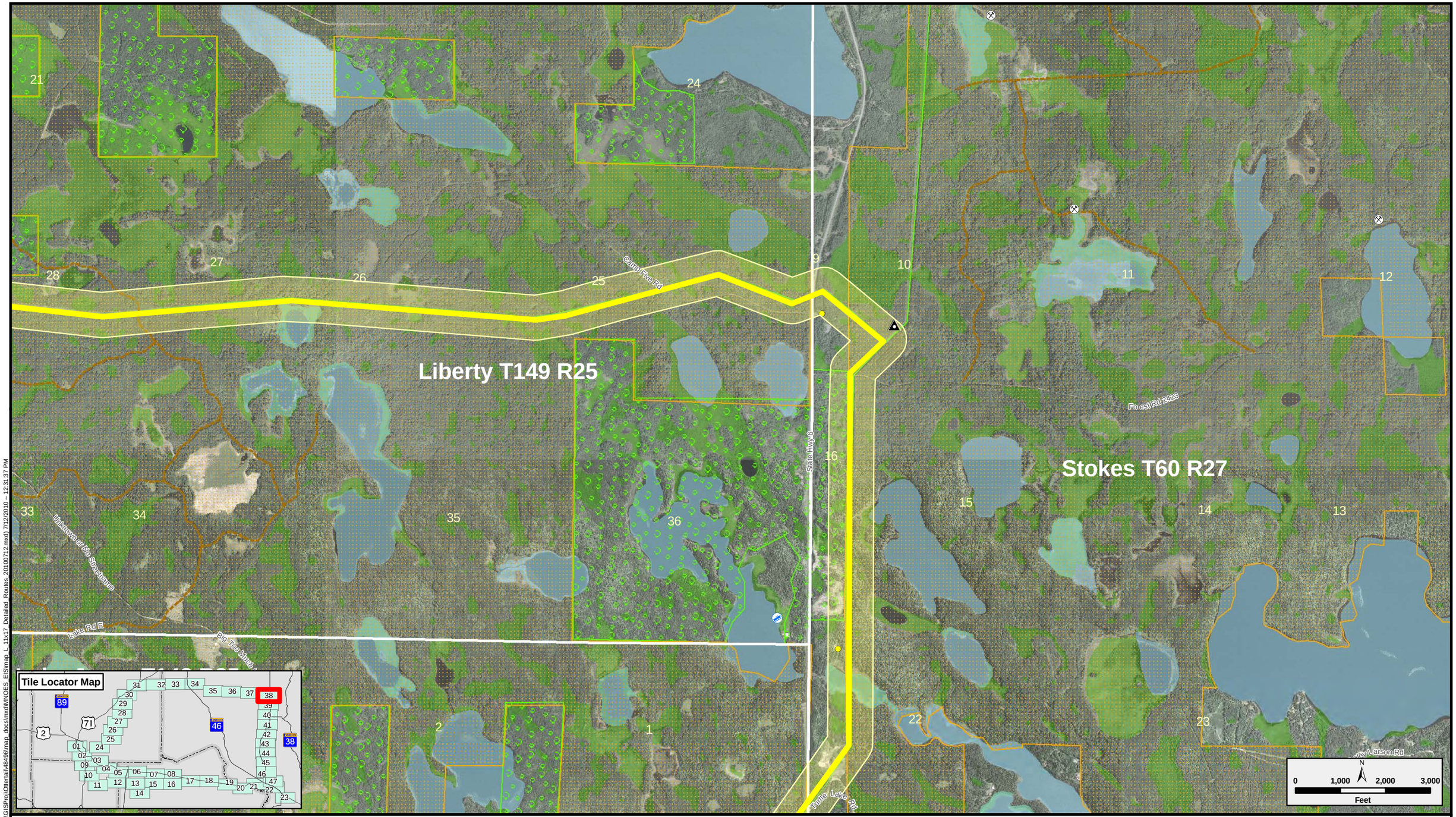
- Leech Lake Reservation
- Propsoed Pipelines
- Existing Pipeline
- Communication Tower
- Existing Substation

Natural Resource Areas
- Wildlife Management Area
- Chippewa National Forest
- MN State Forest
- MN DNR SNA

Hyrdology
- NWI Wetland
- PWI Wetland
- PWI Stream

- Snowmobile
- Recreational Trails
- Water Access
- Residence
- Gravel Pit

Appendix D, Sheet 37 of 47
Detailed Route Maps
230 kV BGR Transmission Line
Final Environmental Impact Statement



Route Alternatives
- Route 1
- Route 2
- Route 3
- Route 4
- Alternate Route Segment

Route ROW Alternatives
- Route 1
- Route 2
- Route 3
- Route 4

- Project Endpoints
- Breaker Station
- Proposed Substation

Existing Transmission Lines
- 69 kV
- 115 kV
- 230 kV

- Leech Lake Reservation
- Propsoed Pipelines
- Existing Pipeline
- Communication Tower
- Existing Substation

Natural Resource Areas
- Wildlife Management Area
- Chippewa National Forest
- MN State Forest
- MN DNR SNA

Hyrdology
- NWI Wetland
- PWI Wetland
- PWI Stream

- Snowmobile
- Recreational Trails
- Water Access
- Residence
- Gravel Pit

Appendix D, Sheet 38 of 47
Detailed Route Maps
230 kV BGR Transmission Line
Final Environmental Impact Statement

Map Document: (\\mspe-gis-file\GISProj\Ottertail\48496\map_docs\mxd\MNOES_EIS\map_L_11x17_Detailed_Routes_20100712.mxd) 7/12/2010 -- 12:31:37 PM