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RNG: 25
SEC: 35

TWN: 57
RNG: 25
SEC: 36

TWN: 57
RNG: 24
SEC: 31

TWN: 57
RNG: 24
SEC: 32

TWN: 56
RNG: 25
SEC: 2

TWN: 56
RNG: 25
SEC: 1

TWN: 56
RNG: 24
SEC: 6

TWN: 56
RNG: 24
SEC: 5

Big Rainbarrel
Prairie River
Prairie River
Clearwater Rd
329
Reilly Rd W
Shamrock
Unnamed Stream
O'Reilly
Island
Reilly Beach Rd
Unnamed Stream
Unnamed

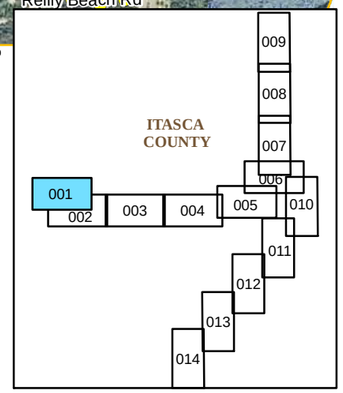
2008 FSA Aerial Photo

0 500 1,000 Feet

0 250 500 Meters

- Route 1
- Route 2
- Route 3
- Route 4
- Proposed Route Centerline
- Wetland (NWI)
- DNR Public Waters
- PWI Stream/River
- Trout Streams
- Snowmobile Trail
- State Parks
- Residences
- Existing Substations
- Proposed Substations

Map - 001
Recommended Routes
Nashwauk Public Utilities Commission
& Minnesota Power (Essar Steel Project)
Nashwauk, Minnesota



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RNG: 25
SEC: 1

TWN: 56
RNG: 24
SEC: 6

TWN: 56
RNG: 24
SEC: 5

TWN: 56
RNG: 24
SEC: 4

TWN: 56
RNG: 25
SEC: 12

TWN: 56
RNG: 24
SEC: 7

TWN: 56
RNG: 24
SEC: 8

TWN: 56
RNG: 24
SEC: 9

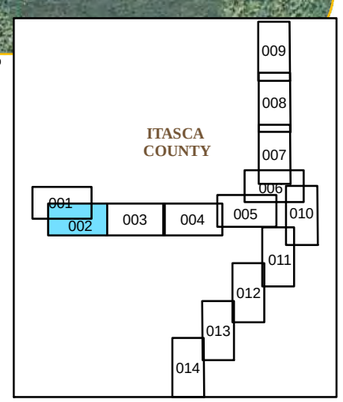
Reilly Rd W
Unnamed Stream
Shamrock
Shamrock Dr
O'Reilly
Island
Unnamed Stream
Unnamed
Little O'Reilly
Reilly Beach Rd
Dirty Mike

2008 FSA Aerial Photo

0 500 1,000 Feet
0 250 500 Meters

- Route 1
- Route 2
- Route 3
- Route 4
- Proposed Route Centerline
- Wetland (NWI)
- DNR Public Waters
- PWI Stream/River
- Trout Streams
- Snowmobile Trail
- State Parks
- Residences
- Existing Substations
- Proposed Substations

Map - 002
Recommended Routes
Nashwauk Public Utilities Commission
& Minnesota Power (Essar Steel Project)
Nashwauk, Minnesota



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RNG: 24
SEC: 4

TWN: 56
RNG: 24
SEC: 3

TWN: 56
RNG: 24
SEC: 2

TWN: 56
RNG: 24
SEC: 1

TWN: 56
RNG: 24
SEC: 9

TWN: 56
RNG: 24
SEC: 10

TWN: 56
RNG: 24
SEC: 11

TWN: 56
RNG: 24
SEC: 12

Munson Rd

Scenic Hwy

7

Reilly Beach Rd

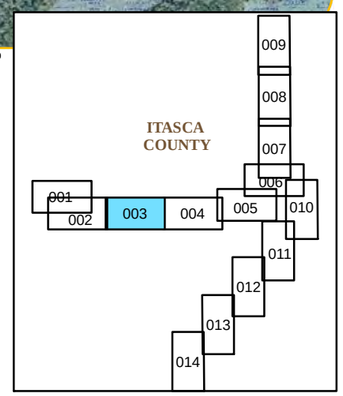
2008 FSA Aerial Photo

0 500 1,000 Feet

0 250 500 Meters

- Route 1
- Route 2
- Route 3
- Route 4
- Proposed Route Centerline
- Wetland (NWI)
- DNR Public Waters
- PWI Stream/River
- Trout Streams
- Snowmobile Trail
- State Parks
- Residences
- Existing Substations
- Proposed Substations

Map - 003
Recommended Routes
Nashwauk Public Utilities Commission
& Minnesota Power (Essar Steel Project)
Nashwauk, Minnesota



Barr Footer: Date: 6/21/2010 2:02:11 PM File: I:\Projects\23\3111015\Maps\Reports\Recommended_RoutesMap_Book_004.mxd User: amm

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RNG: 24
SEC: 1

TWN: 56
RNG: 23
SEC: 6

TWN: 56
RNG: 23
SEC: 5

TWN: 56
RNG: 23
SEC: 4

TWN: 56
RNG: 24
SEC: 12

TWN: 56
RNG: 23
SEC: 7

TWN: 56
RNG: 23
SEC: 8

TWN: 56
RNG: 23
SEC: 9

Sucker Brook

Unnamed

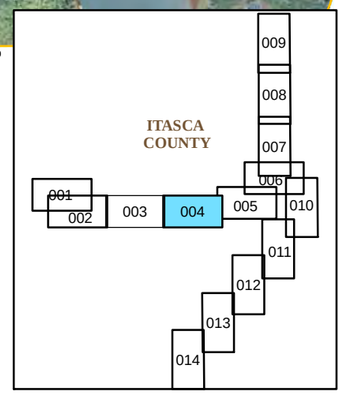
2008 FSA Aerial Photo

0 500 1,000 Feet

0 250 500 Meters

- Route 1
- Route 2
- Route 3
- Route 4
- Proposed Route Centerline
- Wetland (NWI)
- DNR Public Waters
- PWI Stream/River
- Trout Streams
- Snowmobile Trail
- State Parks
- Residences
- Existing Substations
- Proposed Substations

Map - 004
Recommended Routes
Nashwauk Public Utilities Commission
& Minnesota Power (Essar Steel Project)
Nashwauk, Minnesota



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TWN: 57
RNG: 23
SEC: 33

TWN: 57
RNG: 23
SEC: 34

Little Sucker

TWN: 57
RNG: 23
SEC: 35

Nashwauk

TWN: 57
RNG: 23
SEC: 36

TWN: 56
RNG: 23
SEC: 4

TWN: 56
RNG: 23
SEC: 3

TWN: 56
RNG: 23
SEC: 2

TWN: 56
RNG: 23
SEC: 1

Taconite Plant Substation

TWN: 56
RNG: 23
SEC: 9

TWN: 56
RNG: 23
SEC: 10

TWN: 56
RNG: 23
SEC: 11

TWN: 56
RNG: 23
SEC: 12

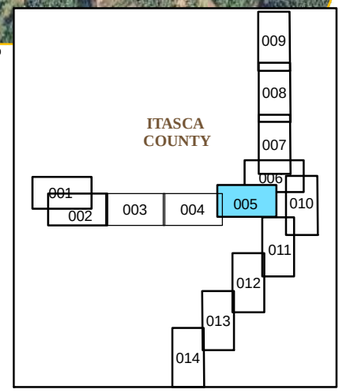
2008 FSA Aerial Photo

0 500 1,000 Feet

0 250 500 Meters

- Route 1
- Route 2
- Route 3
- Route 4
- Proposed Route Centerline
- Wetland (NWI)
- DNR Public Waters
- PWI Stream/River
- Trout Streams
- Snowmobile Trail
- State Parks
- Residences
- Existing Substations
- Proposed Substations

Map - 005
Recommended Routes
Nashwauk Public Utilities Commission
& Minnesota Power (Essar Steel Project)
Nashwauk, Minnesota



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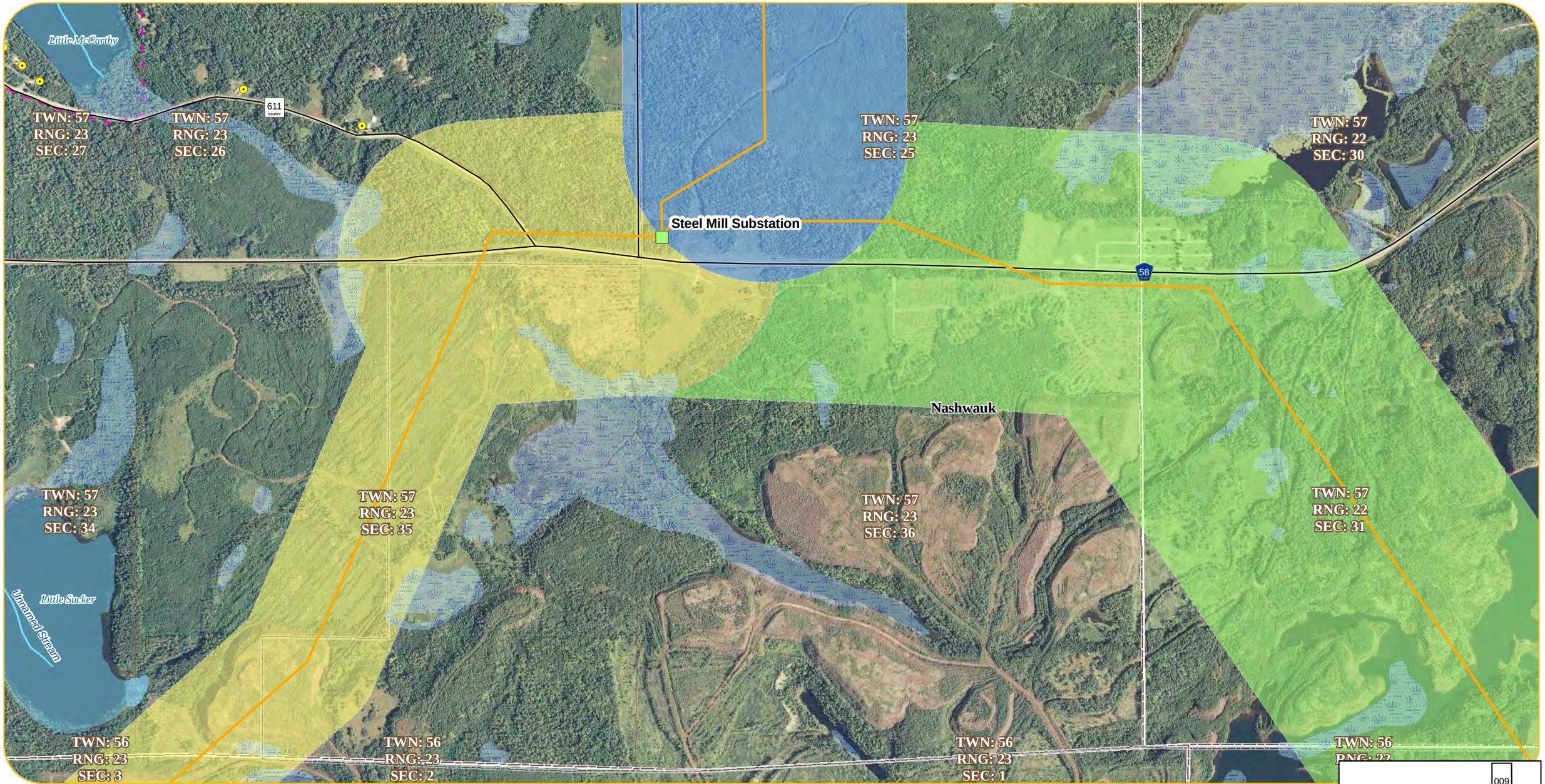


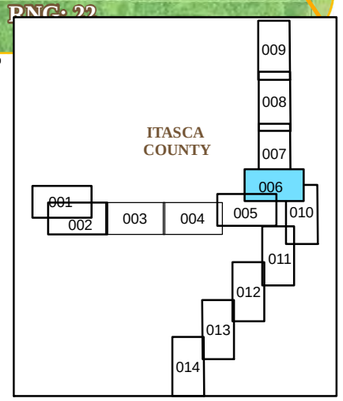
2008 FSA Aerial Photo

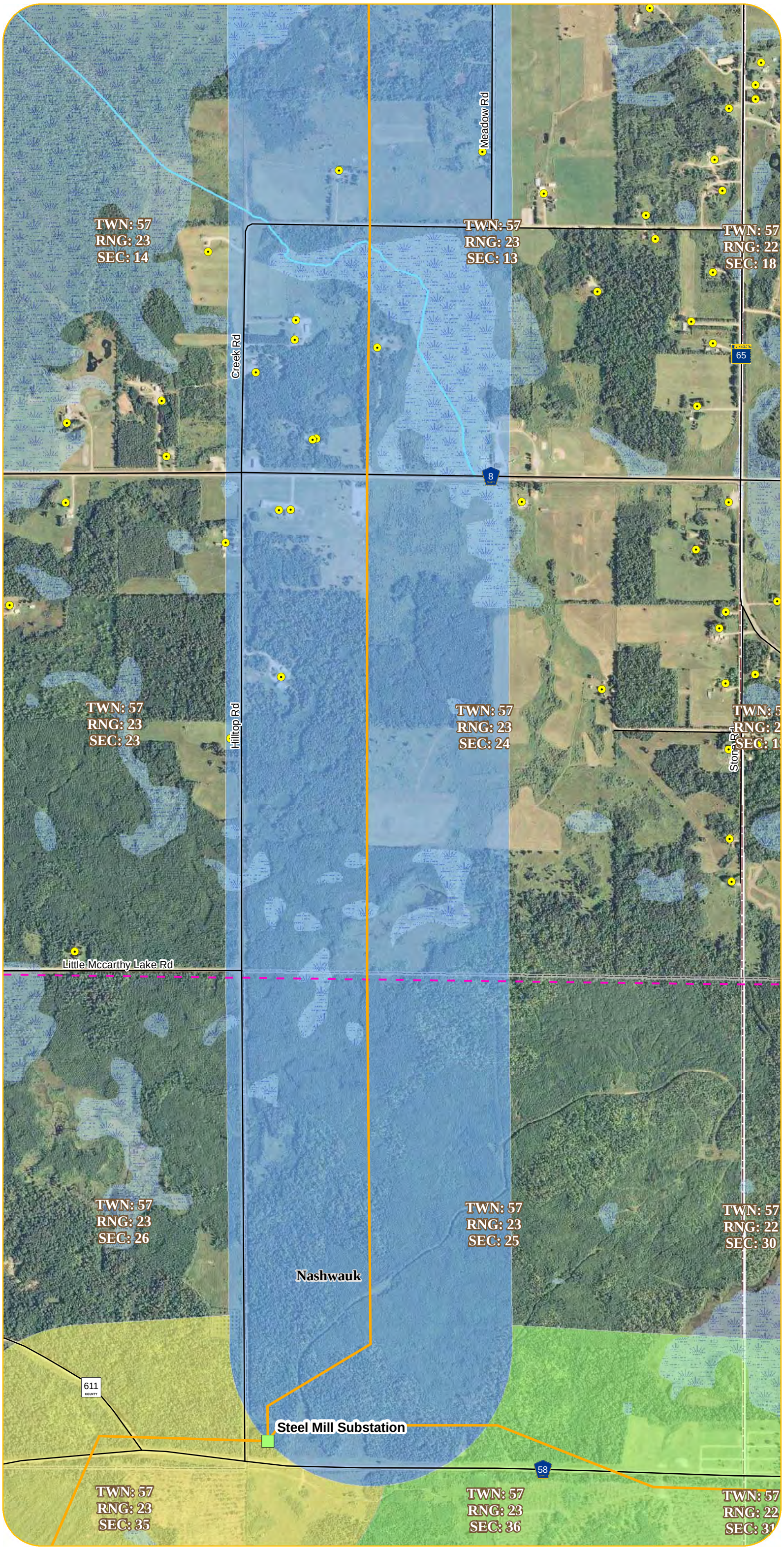
0 500 1,000 Feet

0 250 500 Meters

- Route 1
- Route 2
- Route 3
- Route 4
- Proposed Route Centerline
- Wetland (NWI)
- DNR Public Waters
- PWI Stream/River
- Trout Streams
- Snowmobile Trail
- State Parks
- Residences
- Existing Substations
- Proposed Substations

Map - 006
Recommended Routes
Nashwauk Public Utilities Commission
& Minnesota Power (Essar Steel Project)
Nashwauk, Minnesota



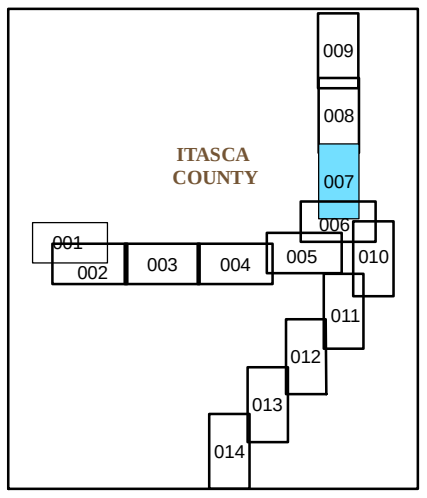


- Route 1
- Route 2
- Route 3
- Route 4
- Proposed Route Centerline
- Wetland (NWI)
- DNR Public Waters
- PWI Stream/River
- Trout Streams
- Snowmobile Trail
- State Parks
- Residences
- Existing Substations
- Proposed Substations

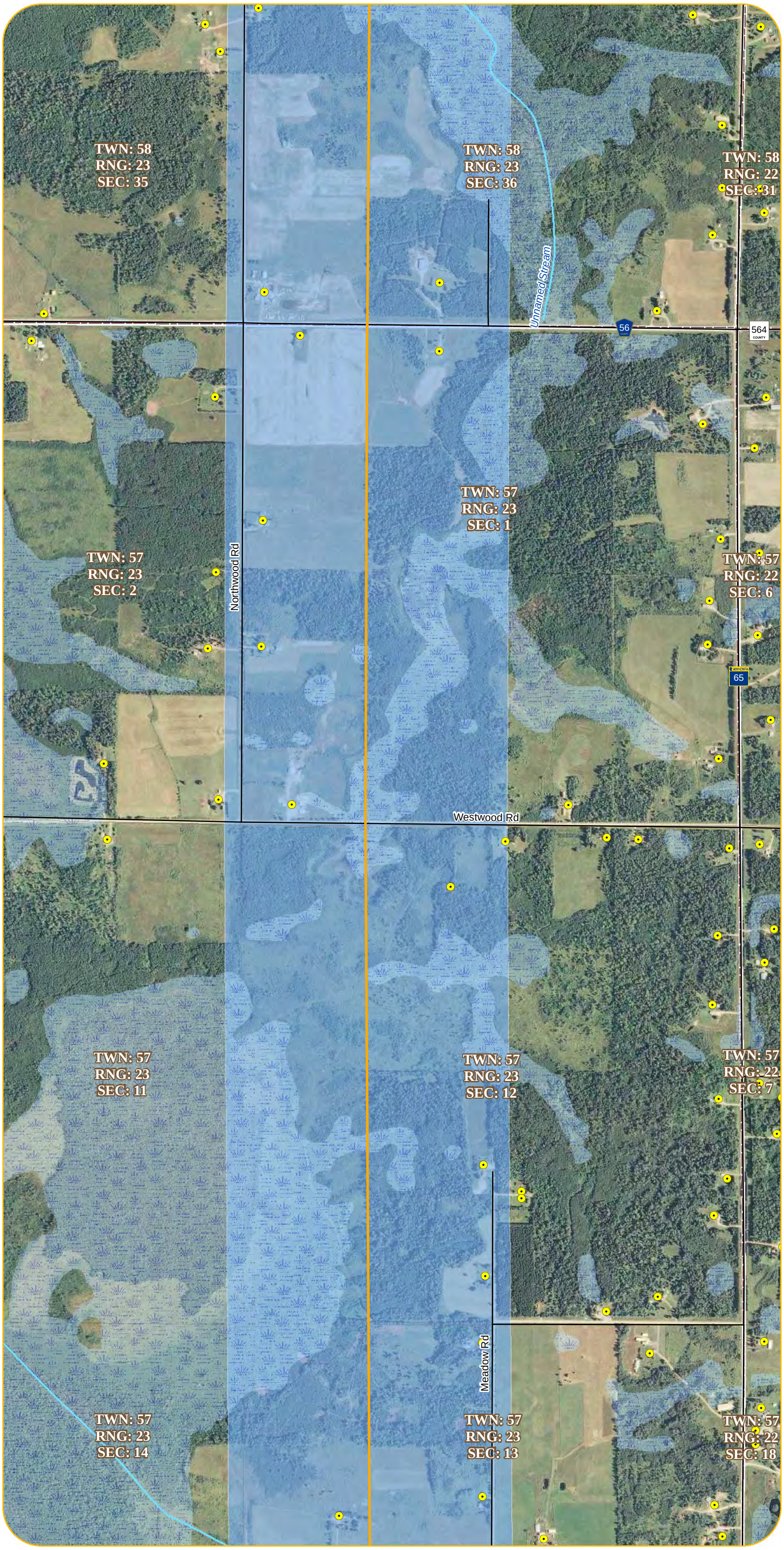
Map - 007
Recommended Routes
Nashwauk Public Utilities Commission & Minnesota Power (Essar Steel Project)
Nashwauk, Minnesota

0 500 1,000 Feet

0 250 500 Meters



2008 FSA Aerial Photo

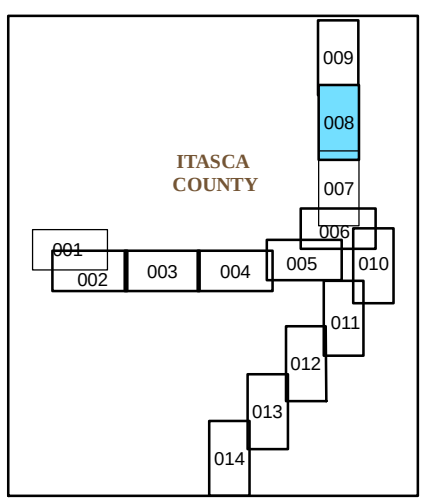


- Route 1
- Route 2
- Route 3
- Route 4
- Proposed Route Centerline
- Wetland (NWI)
- DNR Public Waters
- PWI Stream/River
- Trout Streams
- Snowmobile Trail
- State Parks
- Residences
- Existing Substations
- Proposed Substations

Map - 008
Recommended Routes
Nashwauk Public Utilities Commission & Minnesota Power (Essar Steel Project)
Nashwauk, Minnesota

0 500 1,000 Feet

0 250 500 Meters



2008 FSA Aerial Photo

TWN: 58
RNG: 23
SEC: 14

TWN: 58
RNG: 23
SEC: 13

TWN: 58
RNG: 23
SEC: 23

TWN: 58
RNG: 23
SEC: 24

TWN: 58
RNG: 22
SEC: 19

Unnamed Stream

539
COUNTY

TWN: 58
RNG: 23
SEC: 26

TWN: 58
RNG: 23
SEC: 25

65

TWN
RNG:
SEC:

532
COUNTY

54

TWN: 58
RNG: 23
SEC: 35

TWN: 58
RNG: 23
SEC: 36

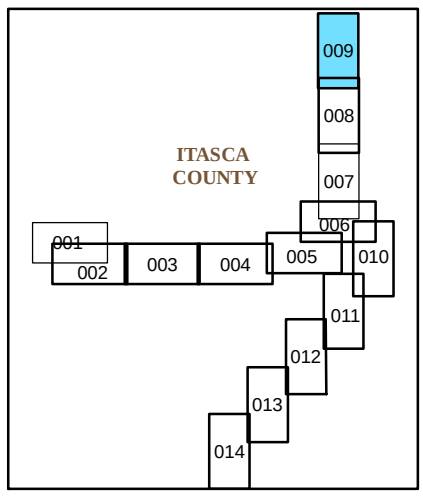
TWN: 58
RNG: 22
SEC: 31

- Route 1
- Route 2
- Route 3
- Route 4
- Proposed Route Centerline
- Wetland (NWI)
- DNR Public Waters
- PWI Stream/River
- Trout Streams
- Snowmobile Trail
- State Parks
- Residences
- Existing Substations
- Proposed Substations

Map - 009
Recommended Routes
Nashwauk Public Utilities Commission & Minnesota Power (Essar Steel Project)
Nashwauk, Minnesota

0 500 1,000 Feet

0 250 500 Meters



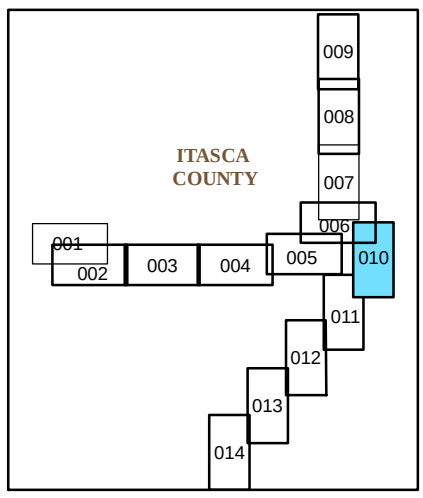
2008 FSA Aerial Photo

- Route 1
- Route 2
- Route 3
- Route 4
- Proposed Route Centerline
- Wetland (NWI)
- DNR Public Waters
- PWI Stream/River
- Trout Streams
- Snowmobile Trail
- State Parks
- Residences
- Existing Substations
- Proposed Substations

Map - 010
Recommended Routes
Nashwauk Public Utilities Commission & Minnesota Power (Essar Steel Project)
Nashwauk, Minnesota

0 500 1,000 Feet

0 250 500 Meters



2008 FSA Aerial Photo

TWN: 56
RNG: 23
SEC: 11

TWN: 56
RNG: 23
SEC: 12

TWN: 56
RNG: 22
SEC: 7

TWN: 56
RNG: 23
SEC: 14

TWN: 56
RNG: 23
SEC: 13

TWN: 56
RNG: 22
SEC: 18

TWN: 56
RNG: 23
SEC: 23

TWN: 56
RNG: 23
SEC: 24

TWN: 56
RNG: 22
SEC: 19

TWN: 56
RNG: 23
SEC: 26

TWN: 56
RNG: 23
SEC: 25

TWN: 56
RNG: 22
SEC: 30

Ox Hide
Pickerel Creek
Unnamed Stream
Simpson Blvd
Front St
Polk St
Morrow Ave
Lakeview St
Louise Ave
Josephine Ave
L ke St
Lake St
Swan
Garland Rd
Badavinac Rd
Ganland Rd
Shohrer Rd
Shore Dr W
Snowball Creek

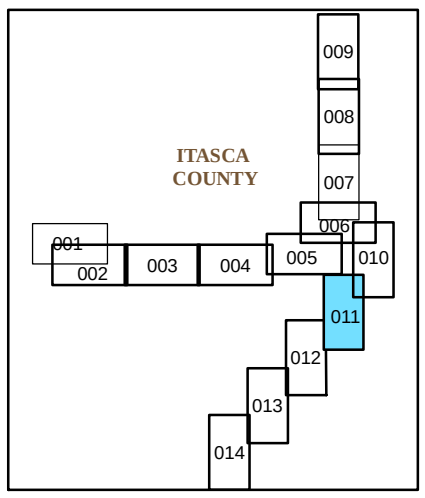
169
561
529
83
12
560
65

- Route 1
- Route 2
- Route 3
- Route 4
- Proposed Route Centerline
- Wetland (NWI)
- DNR Public Waters
- PWI Stream/River
- Trout Streams
- Snowmobile Trail
- State Parks
- Residences
- Existing Substations
- Proposed Substations

Map - 011
Recommended Routes
Nashwauk Public Utilities Commission & Minnesota Power (Essar Steel Project)
Nashwauk, Minnesota

0 500 1,000 Feet

0 250 500 Meters



2008 FSA Aerial Photo

Calumet

TWN: 56
RNG: 23
SEC: 22

TWN: 56
RNG: 23
SEC: 23

Snowball Creek

TWN: 56
RNG: 23
SEC: 27

TWN: 56
RNG: 23
SEC: 26

Lower Panasa

Swan River

Swan

Unnamed Stream

TWN: 56
RNG: 23
SEC: 34

TWN: 56
RNG: 23
SEC: 35

E Swan River Rd

TWN: 55
RNG: 23
SEC: 3

TWN: 55
RNG: 23
SEC: 2

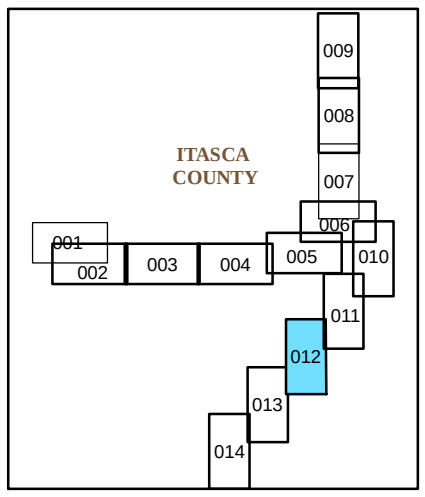
Swan River

- Route 1
- Route 2
- Route 3
- Route 4
- Proposed Route Centerline
- Wetland (NWI)
- DNR Public Waters
- PWI Stream/River
- Trout Streams
- Snowmobile Trail
- State Parks
- Residences
- Existing Substations
- Proposed Substations

Map - 012
Recommended Routes
Nashwauk Public Utilities Commission & Minnesota Power (Essar Steel Project)
Nashwauk, Minnesota

0 500 1,000 Feet

0 250 500 Meters



2008 FSA Aerial Photo

Route 1
Route 2
Route 3
Route 4
Proposed Route Centerline
Wetland (NWI)
DNR Public Waters
PWI Stream/River
Trout Streams
Snowmobile Trail
State Parks
Residences
Existing Substations
Proposed Substations

Bass
Lower Panasa
Bass Lake Rd
Zeleznikar Dr
TWN: 56
RNG: 23
SEC: 32
TWN: 56
RNG: 23
SEC: 33
TWN: 56
RNG: 23
SEC: 34
Swan River Rd
E Swan River Rd
Swan River
TWN: 55
RNG: 23
SEC: 5
TWN: 55
RNG: 23
SEC: 4
TWN: 55
RNG: 23
SEC: 3
12
Unnamed
Foot
420
N rdic Ridge Rd
70
TWN: 55
RNG: 23
SEC: 8
TWN: 55
RNG: 23
SEC: 9
TWN: 55
RNG: 23
SEC: 10
434
Unnamed
Sand Creek
Little Sand
TWN: 55
RNG: 23
SEC: 17
TWN: 55
RNG: 23
SEC: 16
TWN: 55
RNG: 23
SEC: 15

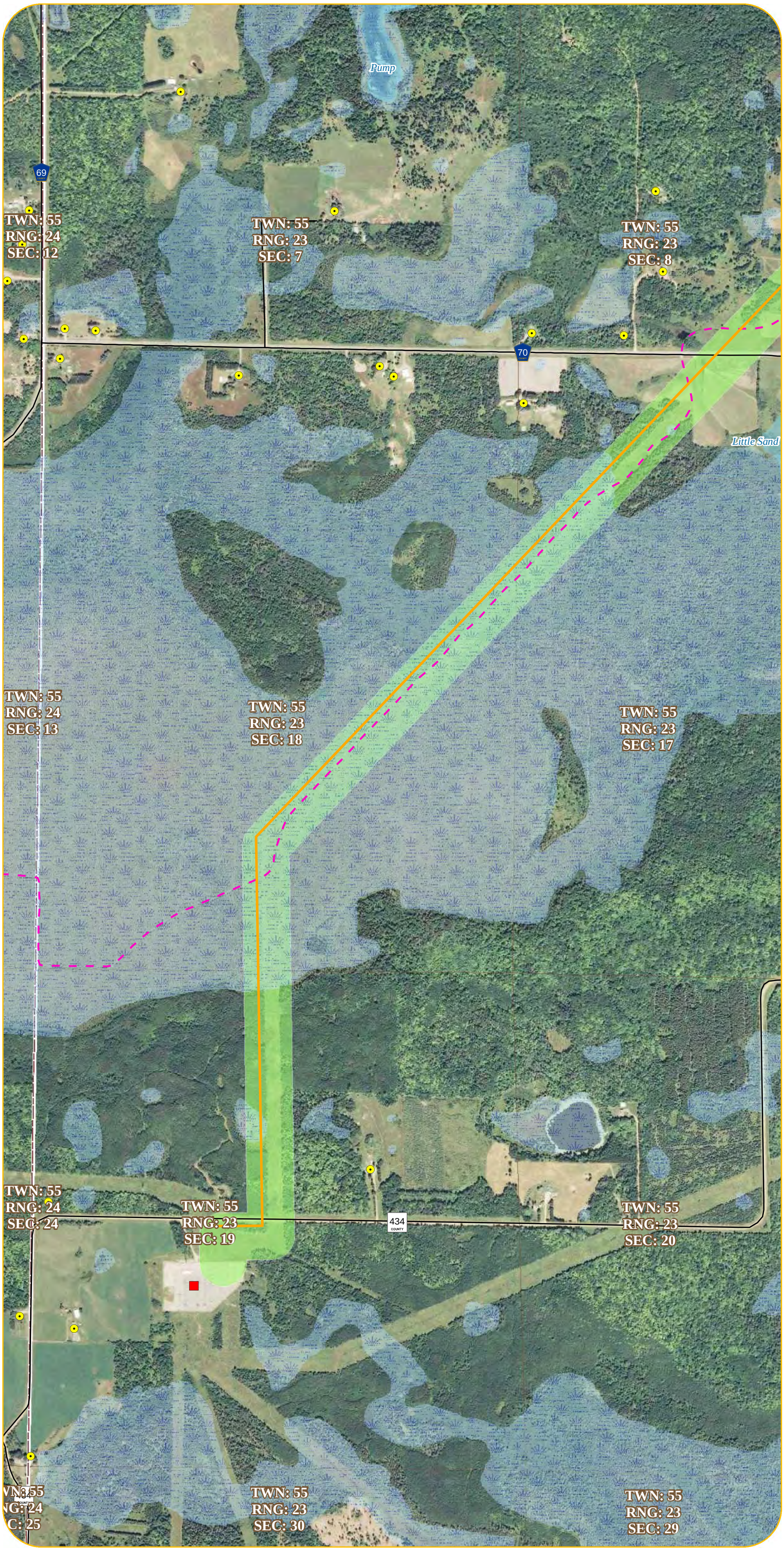
Map - 013
Recommended Routes
Nashwauk Public Utilities Commission & Minnesota Power (Essar Steel Project)
Nashwauk, Minnesota

0 500 1,000 Feet

0 250 500 Meters

ITASCA COUNTY
001
002
003
004
005
006
007
008
009
010
011
012
013
014

2008 FSA Aerial Photo

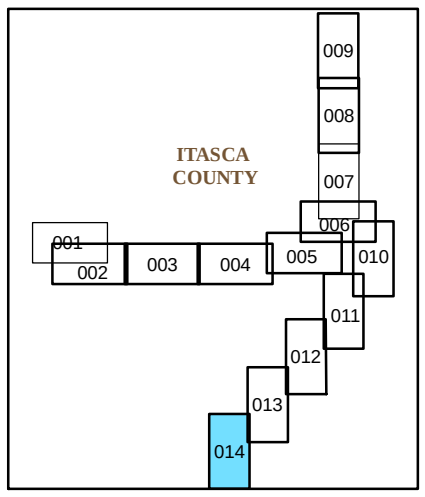


- Route 1
- Route 2
- Route 3
- Route 4
- Proposed Route Centerline
- Wetland (NWI)
- DNR Public Waters
- PWI Stream/River
- Trout Streams
- Snowmobile Trail
- State Parks
- Residences
- Existing Substations
- Proposed Substations

Map - 014
Recommended Routes
Nashwauk Public Utilities Commission & Minnesota Power (Essar Steel Project)
Nashwauk, Minnesota

0 500 1,000 Feet

0 250 500 Meters



2008 FSA Aerial Photo