



Samsung Renewable Energy Inc. and
Pattern Energy

5C Natural Heritage Evaluation
of Significance Report
For
South Kent Wind Project

SOUTH KENT WIND PROJECT
Natural Heritage
Evaluation of Significance Report

APPENDICES

Prepared for:
Hatch Ltd.
4342 Queen Street, Suite 500
Niagara Falls, Ontario Canada L2E 7J7

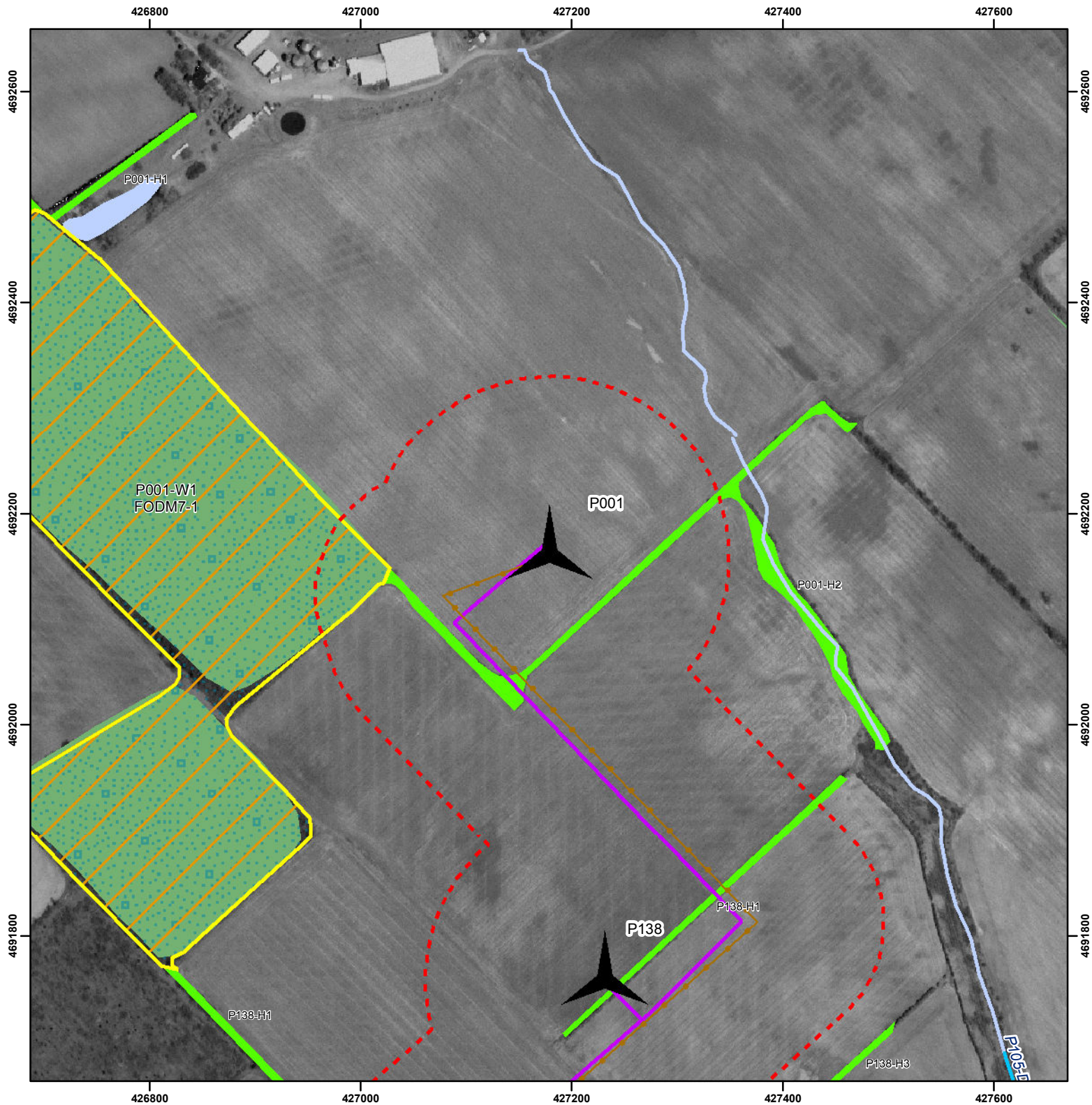
Project No. 1184

Date: June 2011



NATURAL RESOURCE SOLUTIONS INC.
Aquatic, Terrestrial and Wetland Biologists

Appendix I
Significant Natural Features - Turbine Maps



South Kent Wind Project

Turbine No. P001



July 22, 2011
Project No: NRSI-1184
UTM Zone 17, NAD 83
Scale: 1:5,000 (at 8.5 X 11")



0 25 50 100 150 200 m

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Legend

- Project Area (July 21, 2011)
- Proposed Turbine (L012)
- Electrical Substation
- Access Road
- Railway
- Road
- Watercourse (Permanent)
- Watercourse (NRSI)
- Above Ground Cabling
- Underground Cabling
- 230kV Distribution Line
- Switch
- Wooded Area
- Waterbody
- Wetland Area
- Hedgerow
- Ecological Land Classification
- Important Bird Area
- Bat Maternity Roost

Habitat of Species of Conservation Concern

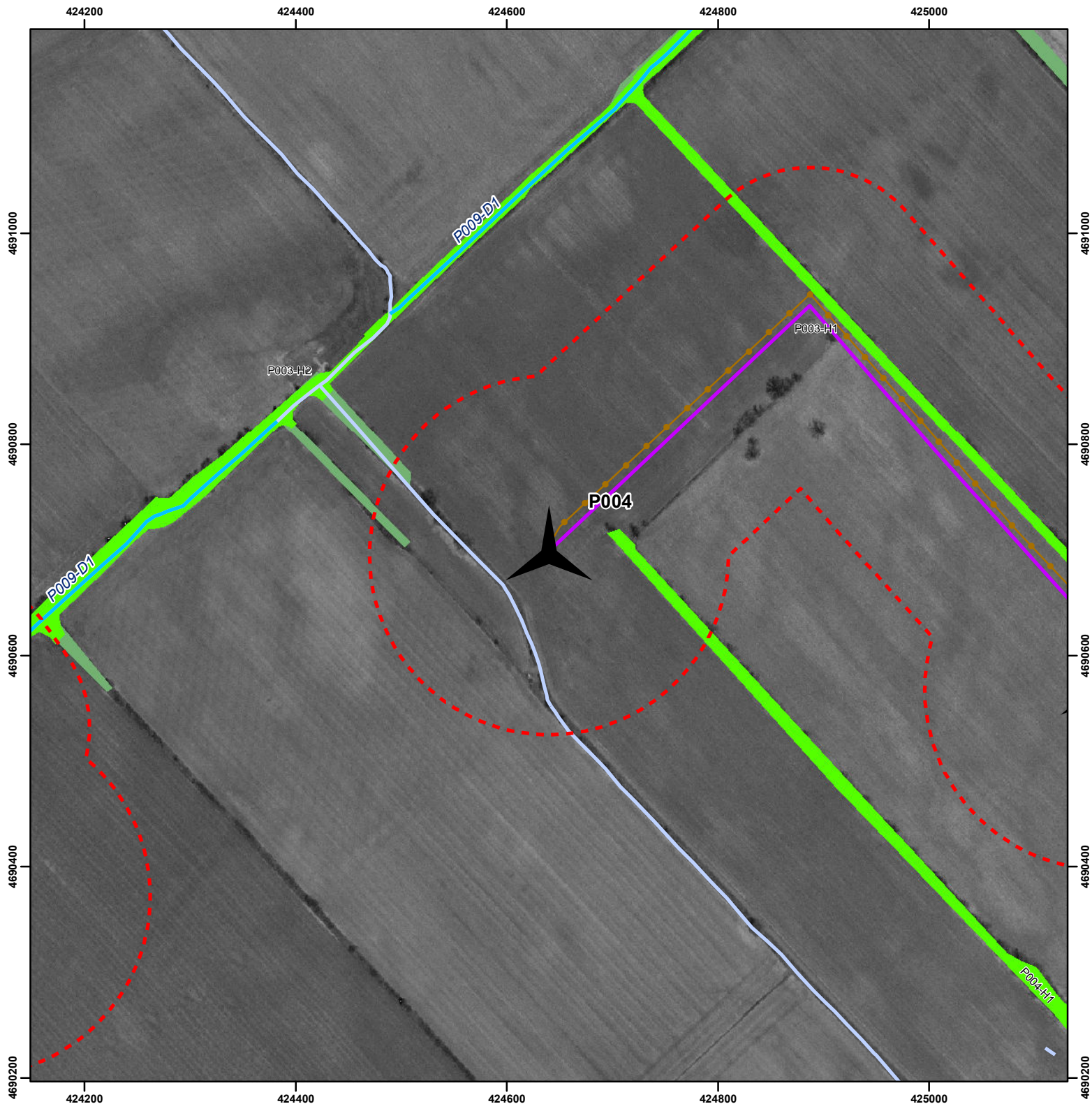
- Open Country Bird Breeding Habitat
- Habitat for Species Ranked S1-S3
- Area Sensitive Bird Breeding Habitat

Animal Movement Corridor

- Vegetated Drain Corridor
- Railbed Corridor

Seasonal Concentration Areas

- Bat Maternity Roost



South Kent Wind Project

Turbine No. P004



June 9, 2011
Project No: NRSI-1184
UTM Zone 17, NAD 83
Scale: 1:5,000 (at 8.5 X 11")



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Legend

- Project Area (May 26, 2011)
- Proposed Turbine (L012)
- Electrical Substation
- Access Road
- Railway
- Road
- Watercourse (Permanent)
- Watercourse (NRSI)
- Above Ground Cabling
- Underground Cabling
- 230kV Distribution Line
- Switch
- Wooded Area
- Waterbody
- Wetland Area
- Hedgerow
- Ecological Land Classification
- Important Bird Area
- Bat Maternity Roost

Rare Vegetation Communities and Specialized Wildlife Habitat

- Turtle Over-wintering Habitat

Habitat of Species of Conservation Concern

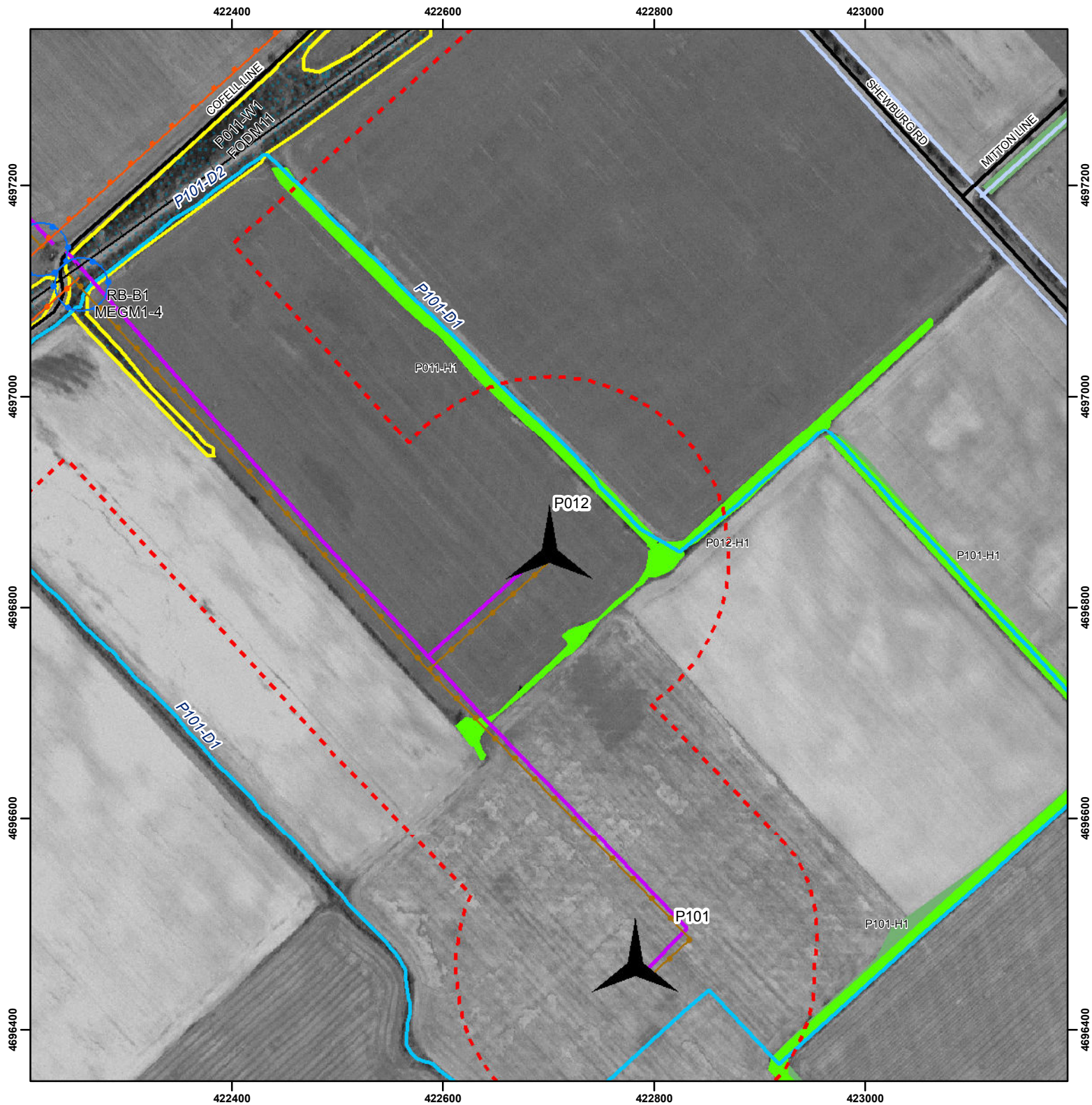
- Open Country Bird Breeding Habitat
- Habitat for Species Ranked S1-S3

Animal Movement Corridor

- Vegetated Drain Corridor
- Railbed Corridor

Seasonal Concentration Areas

- Bat Maternity Roost



South Kent Wind Project Turbine No. P012

NATURAL RESOURCE SOLUTIONS INC.
 Aquatic, Terrestrial and Wetland Biologists

July 22, 2011
 Project No: NRSI-1184
 UTM Zone 17, NAD 83
 Scale: 1:5,000 (at 8.5 X 11")



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Legend

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- Watercourse (NRSI)
- Above Ground Cabling
- Underground Cabling

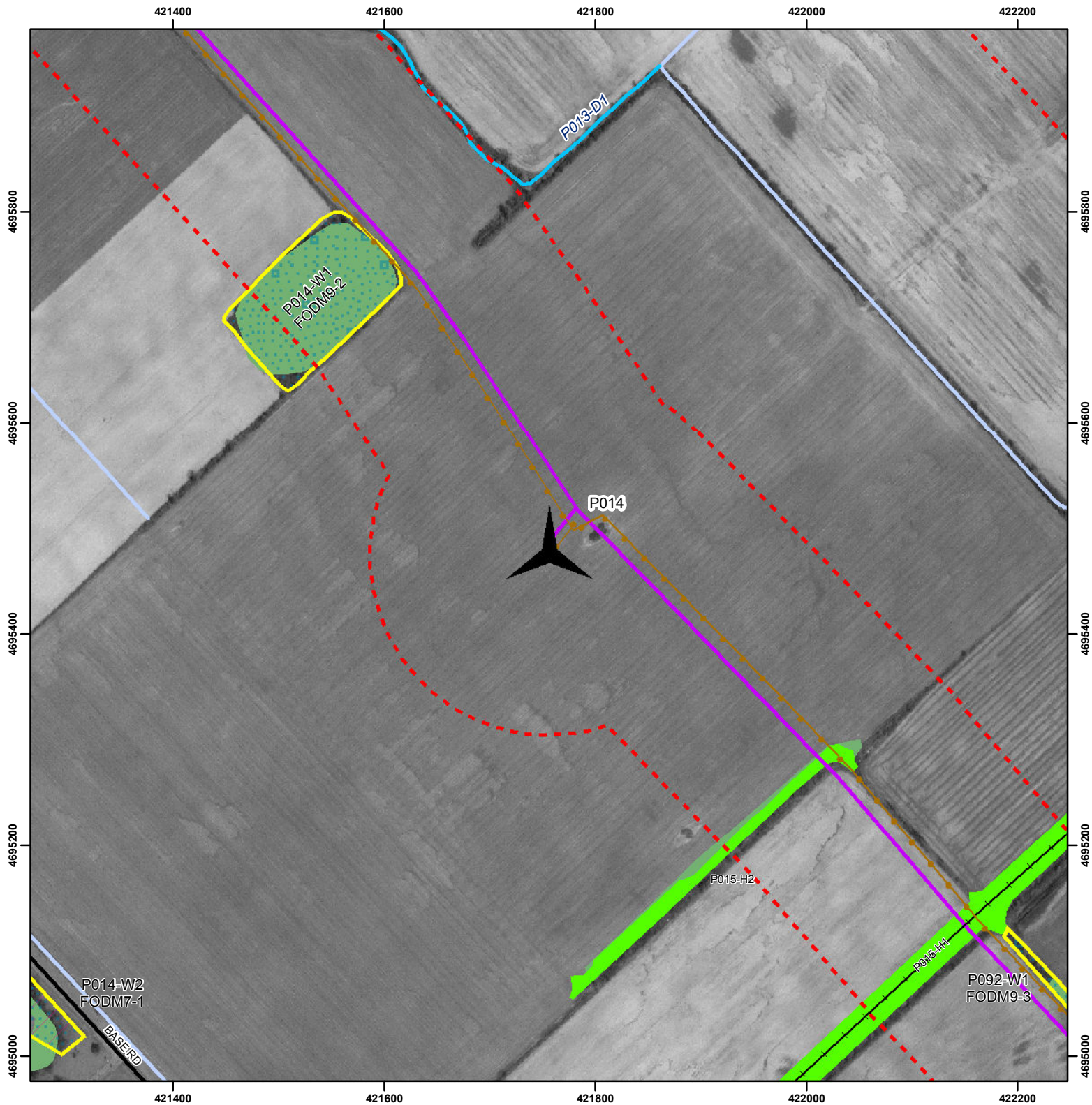
- 230kV Distribution Line
- Switch
- Wooded Area
- Waterbody
- Wetland Area
- Hedgerow
- Ecological Land Classification
- Important Bird Area
- Bat Maternity Roost

Habitat of Species of Conservation Concern

- Open Country Bird Breeding Habitat
- Habitat for Species Ranked S1-S3
- Area Sensitive Bird Breeding Habitat

Animal Movement Corridor

- Vegetated Drain Corridor
- Railbed Corridor



South Kent Wind Project

Turbine No. P014



July 22, 2011
Project No: NRSI-1184
UTM Zone 17, NAD 83
Scale: 1:5,000 (at 8.5 X 11")



0 25 50 100 150 200 m

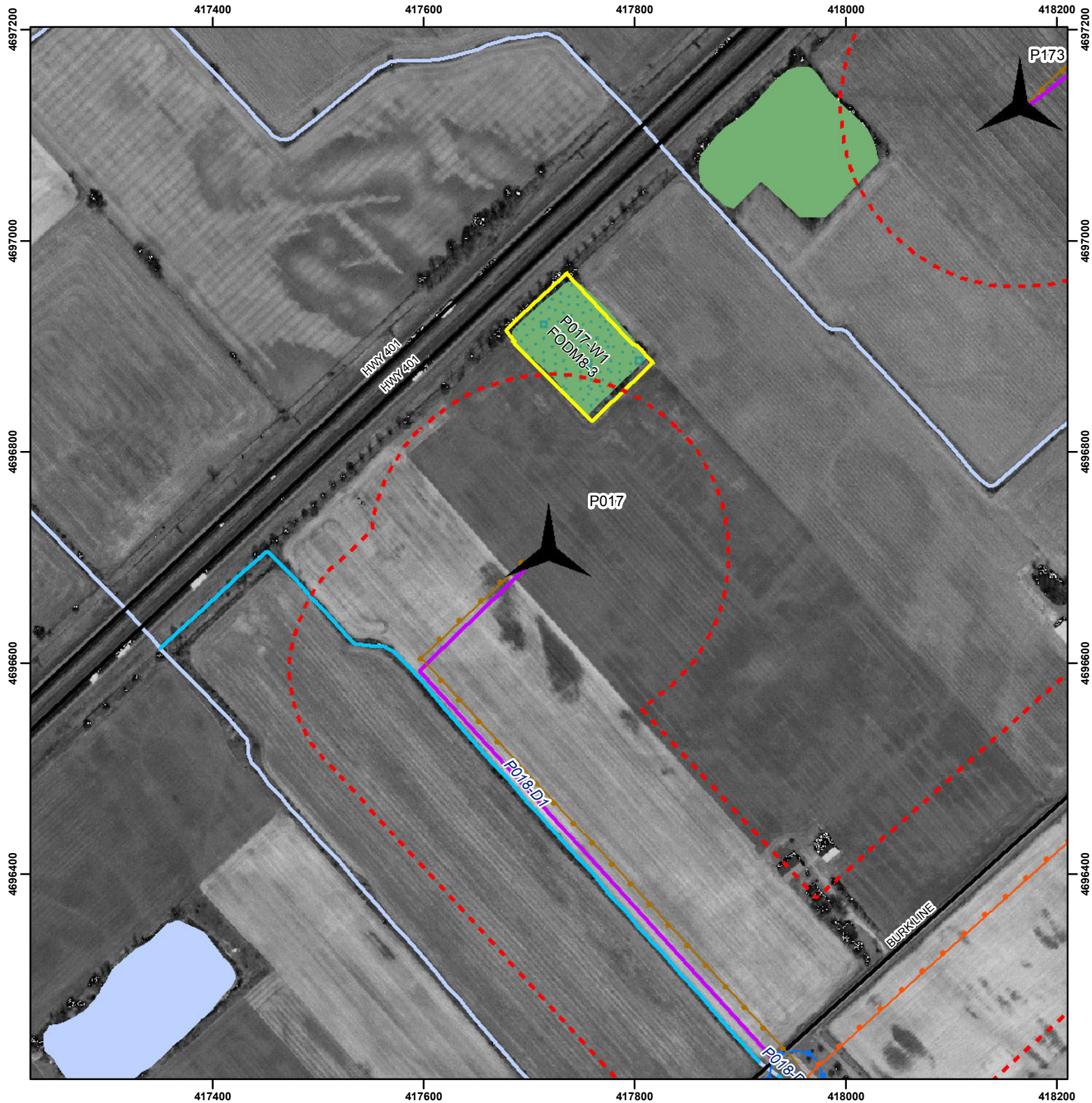
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Legend

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- Waterbody
- Wetland Area
- Hedgerow
- Ecological Land Classification
- Important Bird Area
- Seasonal Concentration Areas**
- Bat Maternity Roost

- Habitat of Species of Conservation Concern**
- Open Country Bird Breeding Habitat
- Habitat for Species Ranked S1-S3
- Area Sensitive Bird Breeding Habitat
- Animal Movement Corridor**
- Vegetated Drain Corridor
- Railbed Corridor



South Kent Wind Project Turbine No. P017



July 22, 2011
Project No: NRSI-1184
UTM Zone 17, NAD 83
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- Wooded Area
- Waterbody
- Wetland Area
- Hedgerow
- Ecological Land Classification
- Important Bird Area
- Bat Maternity Roost

Habitat of Species of Conservation Concern

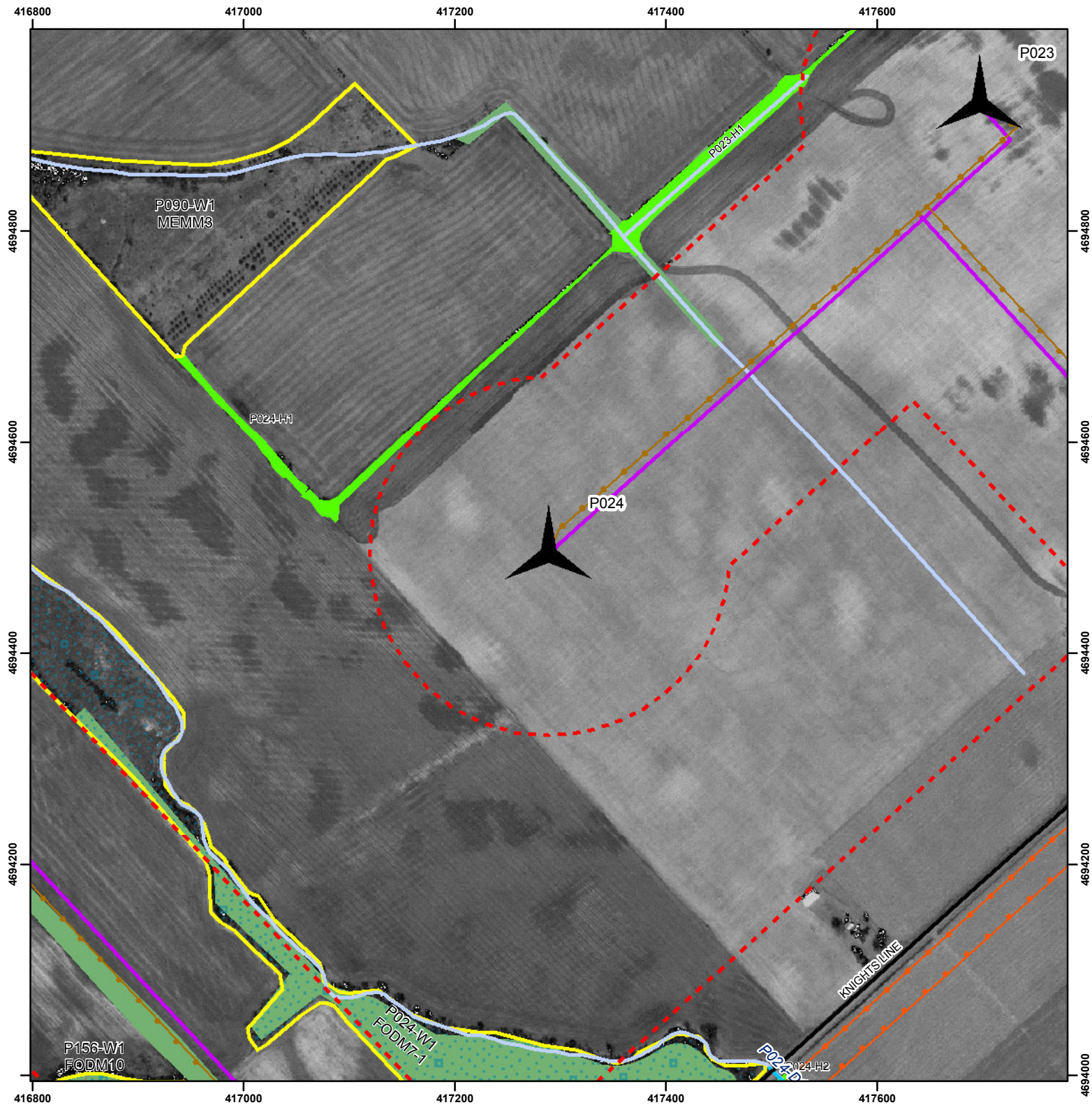
- Open Country Bird Breeding Habitat
- Habitat for Species Ranked S1-S3
- Area Sensitive Bird Breeding Habitat

Animal Movement Corridor

- Vegetated Drain Corridor
- Railbed Corridor

Seasonal Concentration Areas

- Bat Maternity Roost



South Kent Wind Project

Turbine No. P024



July 22, 2011
Project No: NRSI-1184
UTM Zone 17, NAD 83
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Legend

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- Watercourse (NRSI)
- Above Ground Cabling
- Underground Cabling

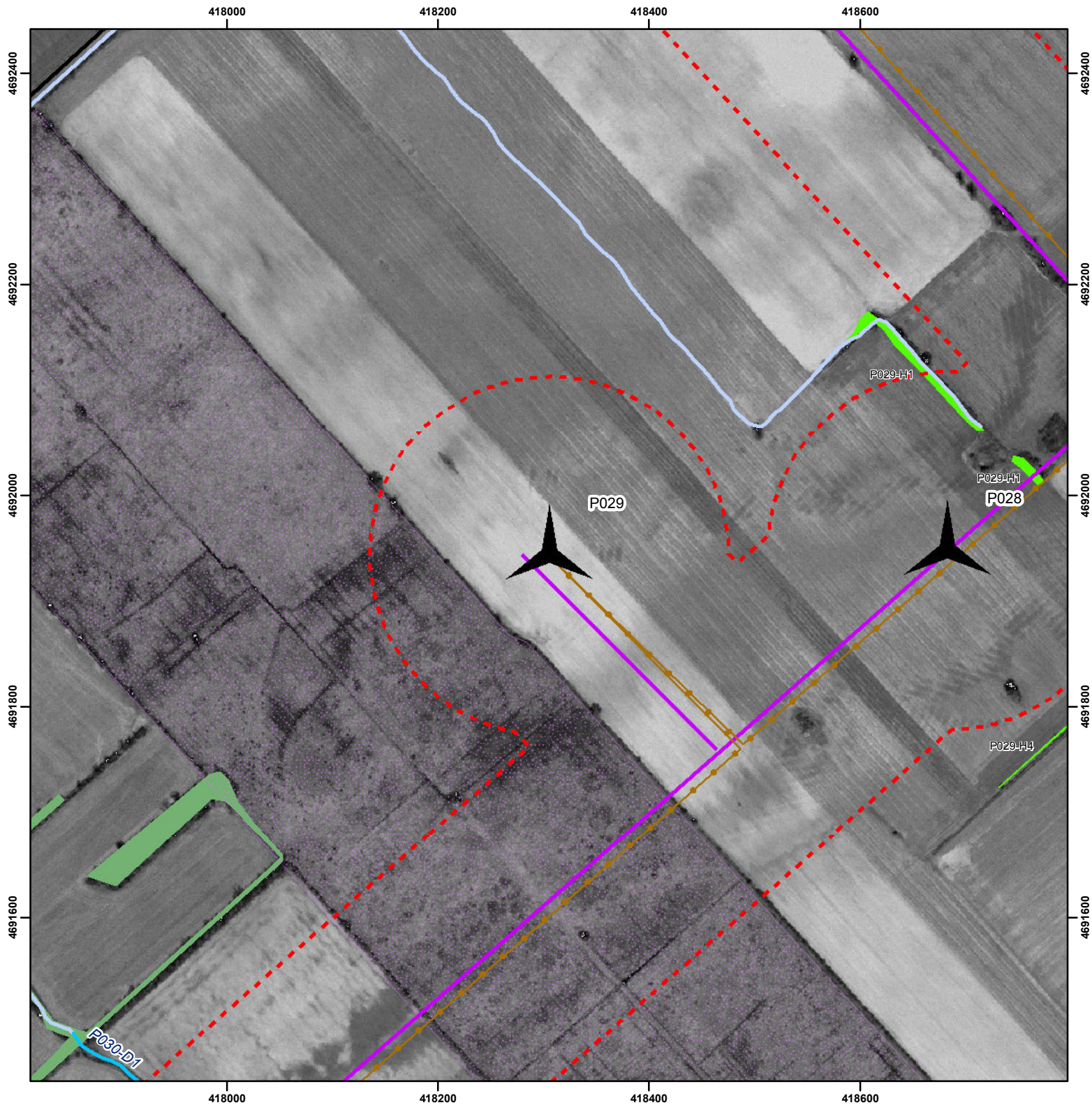
- 230kV Distribution Line
- Switch
- Wooded Area
- Waterbody
- Wetland Area
- Hedgerow
- Ecological Land Classification
- Important Bird Area
- Bat Maternity Roost

Habitat of Species of Conservation Concern

- Open Country Bird Breeding Habitat
- Habitat for Species Ranked S1-S3
- Area Sensitive Bird Breeding Habitat

Animal Movement Corridor

- Vegetated Drain Corridor
- Railed Corridor



South Kent Wind Project

Turbine No. P029



July 22, 2011
Project No: NRSI-1184
UTM Zone 17, NAD 83
Scale: 1:5,000 (at 8.5 X 11")



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Legend

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- Wooded Area
- Waterbody
- Wetland Area
- Hedgerow
- Ecological Land Classification
- Important Bird Area
- Bat Maternity Roost

Habitat of Species of Conservation Concern

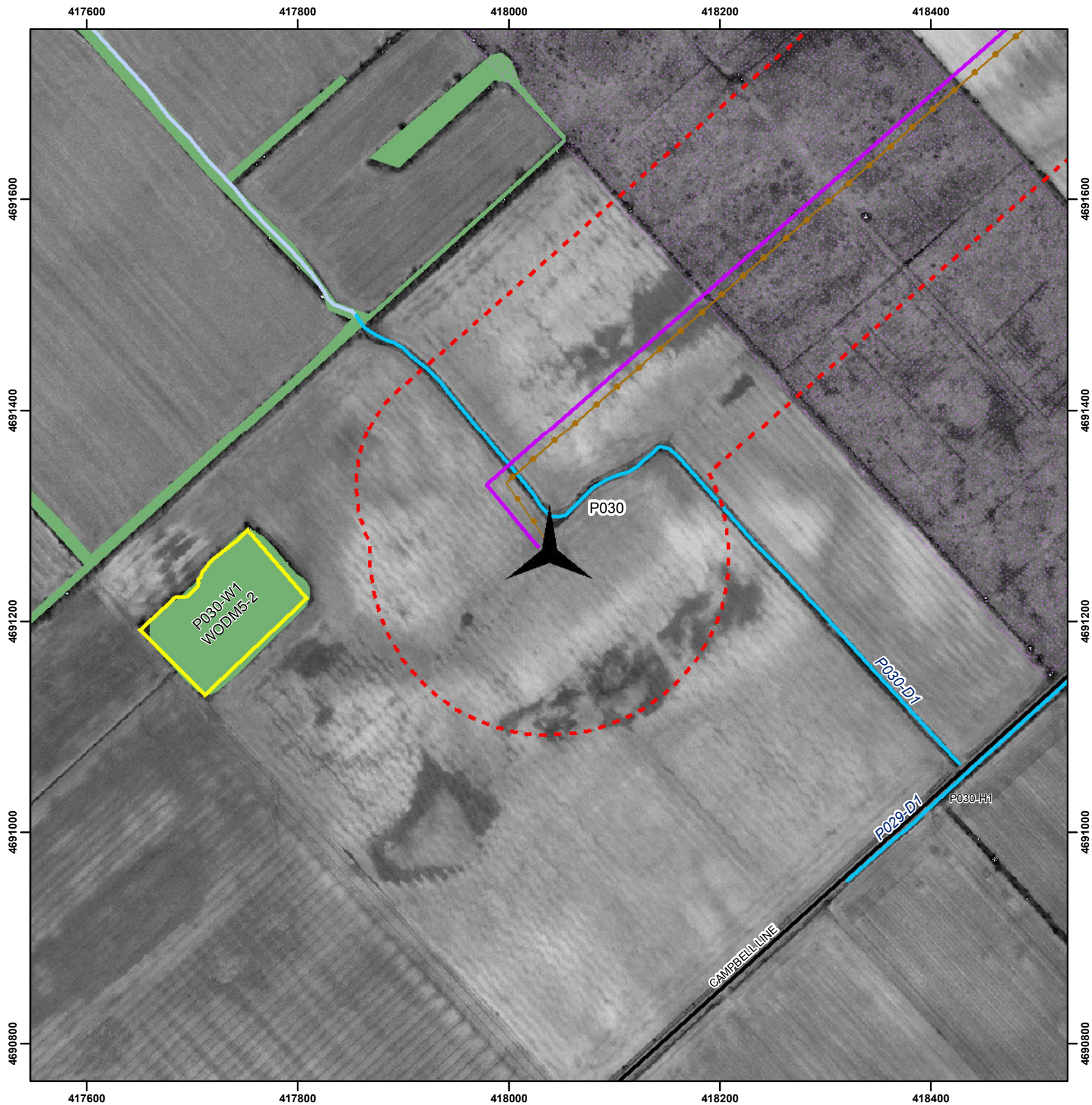
- Open Country Bird Breeding Habitat
- Habitat for Species Ranked S1-S3
- Area Sensitive Bird Breeding Habitat

Animal Movement Corridor

- Vegetated Drain Corridor
- Railbed Corridor

Seasonal Concentration Areas

- Bat Maternity Roost



South Kent Wind Project

Turbine No. P030



July 22, 2011
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UTM Zone 17, NAD 83
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Legend

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- Proposed Turbine (L012)
- Electrical Substation
- Access Road
- Railway
- Road
- Watercourse (Permanent)
- Watercourse (NRSI)
- Above Ground Cabling
- Underground Cabling

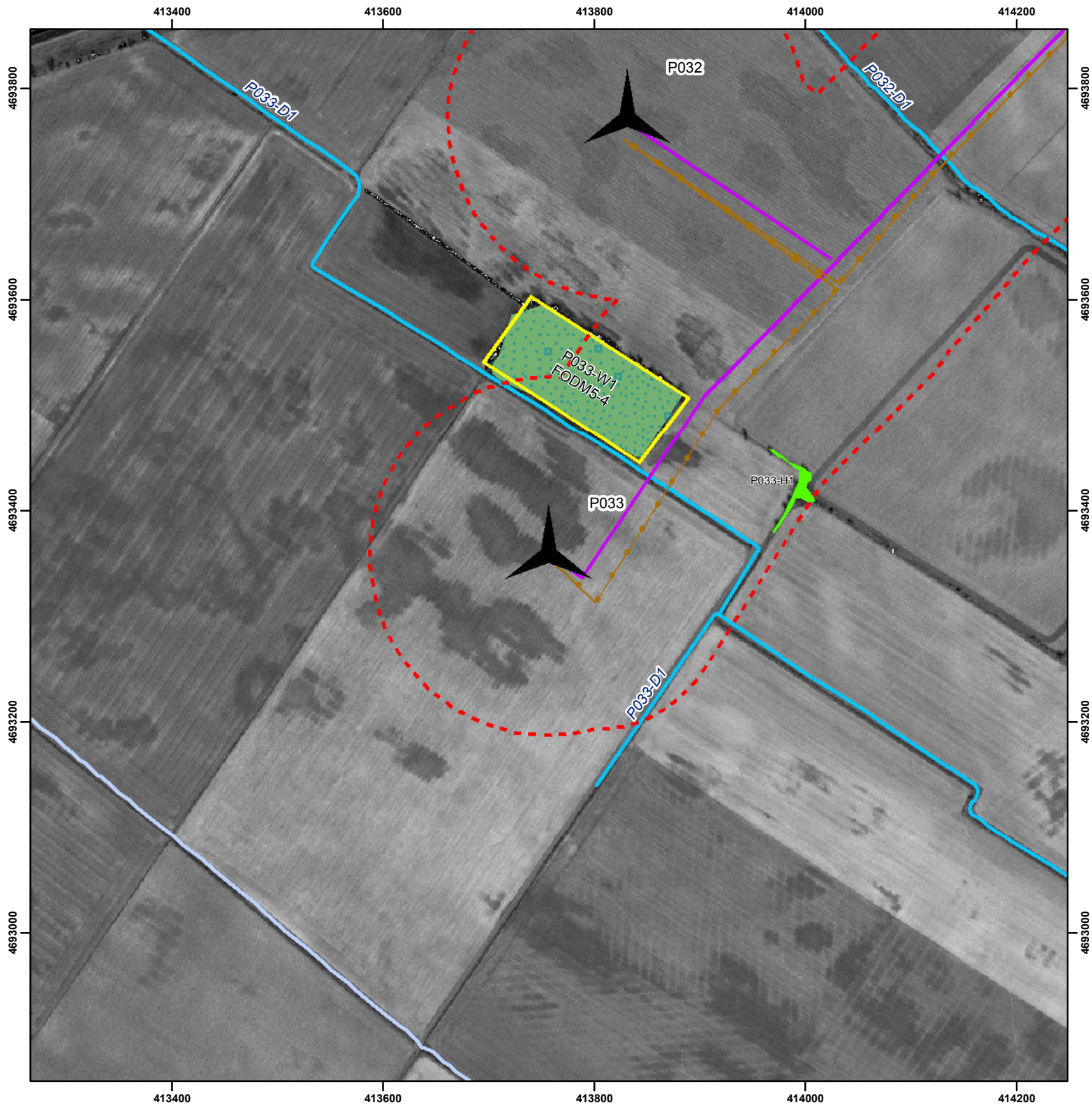
- 230kV Distribution Line
- Switch
- Wooded Area
- Waterbody
- Wetland Area
- Hedgerow
- Ecological Land Classification
- Important Bird Area
- Seasonal Concentration Areas
- Bat Maternity Roost

Habitat of Species of Conservation Concern

- Open Country Bird Breeding Habitat
- Habitat for Species Ranked S1-S3
- Area Sensitive Bird Breeding Habitat

Animal Movement Corridor

- Vegetated Drain Corridor
- Railbed Corridor



South Kent Wind Project

Turbine No. P033



July 22, 2011
Project No: NRSI-1184
UTM Zone 17, NAD 83
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Legend

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- Watercourse (NRSI)
- Above Ground Cabling
- Underground Cabling

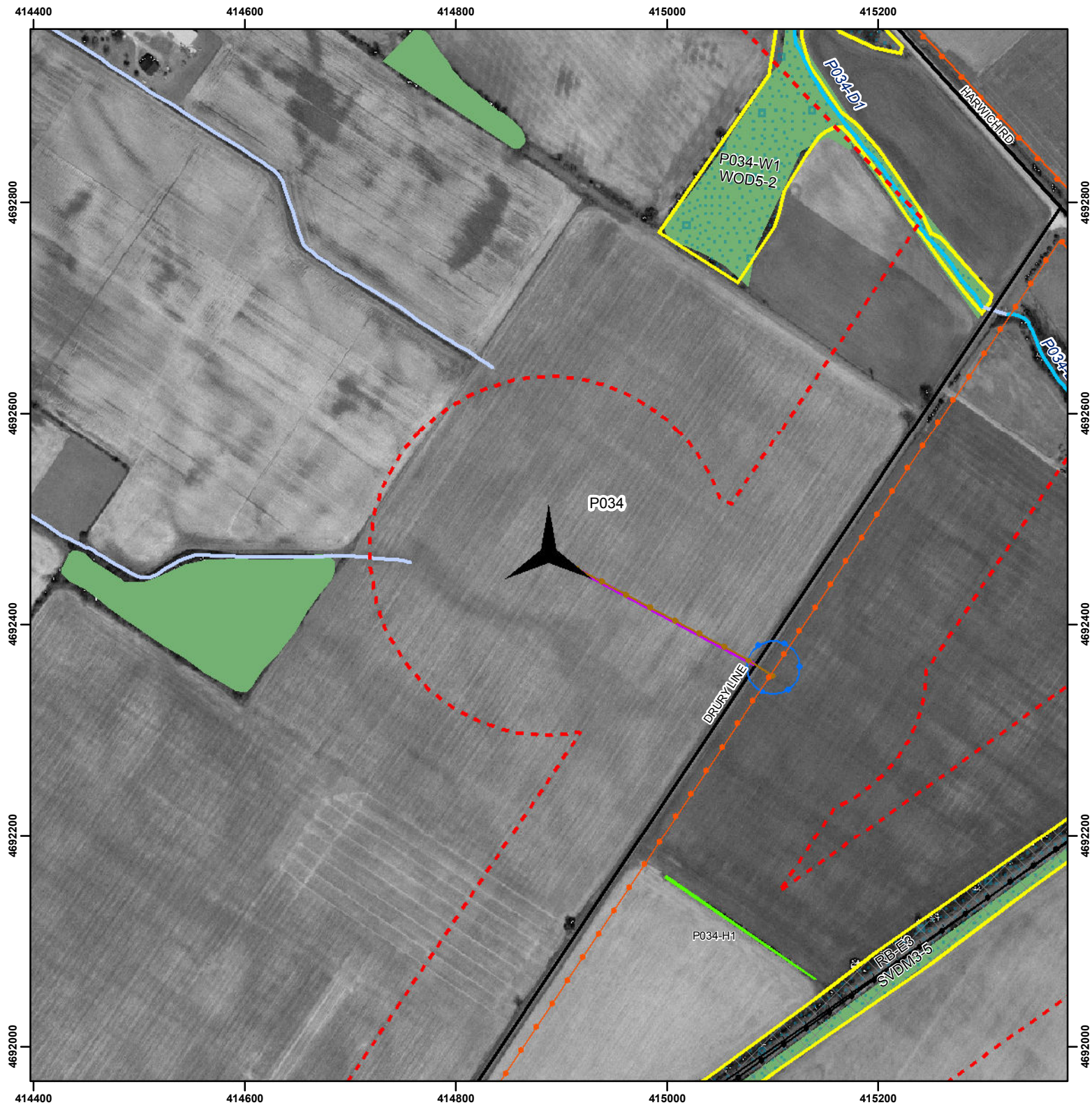
- 230kV Distribution Line
- Switch
- Wooded Area
- Waterbody
- Wetland Area
- Hedgerow
- Ecological Land Classification
- Important Bird Area
- Seasonal Concentration Areas**
- Bat Maternity Roost

Habitat of Species of Conservation Concern

- Open Country Bird Breeding Habitat
- Habitat for Species Ranked S1-S3
- Area Sensitive Bird Breeding Habitat

Animal Movement Corridor

- Vegetated Drain Corridor
- Railbed Corridor



South Kent Wind Project

Turbine No. P034



July 22, 2011
Project No: NRSI-1184
UTM Zone 17, NAD 83
Scale: 1:5,000 (at 8.5 X 11")



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Legend

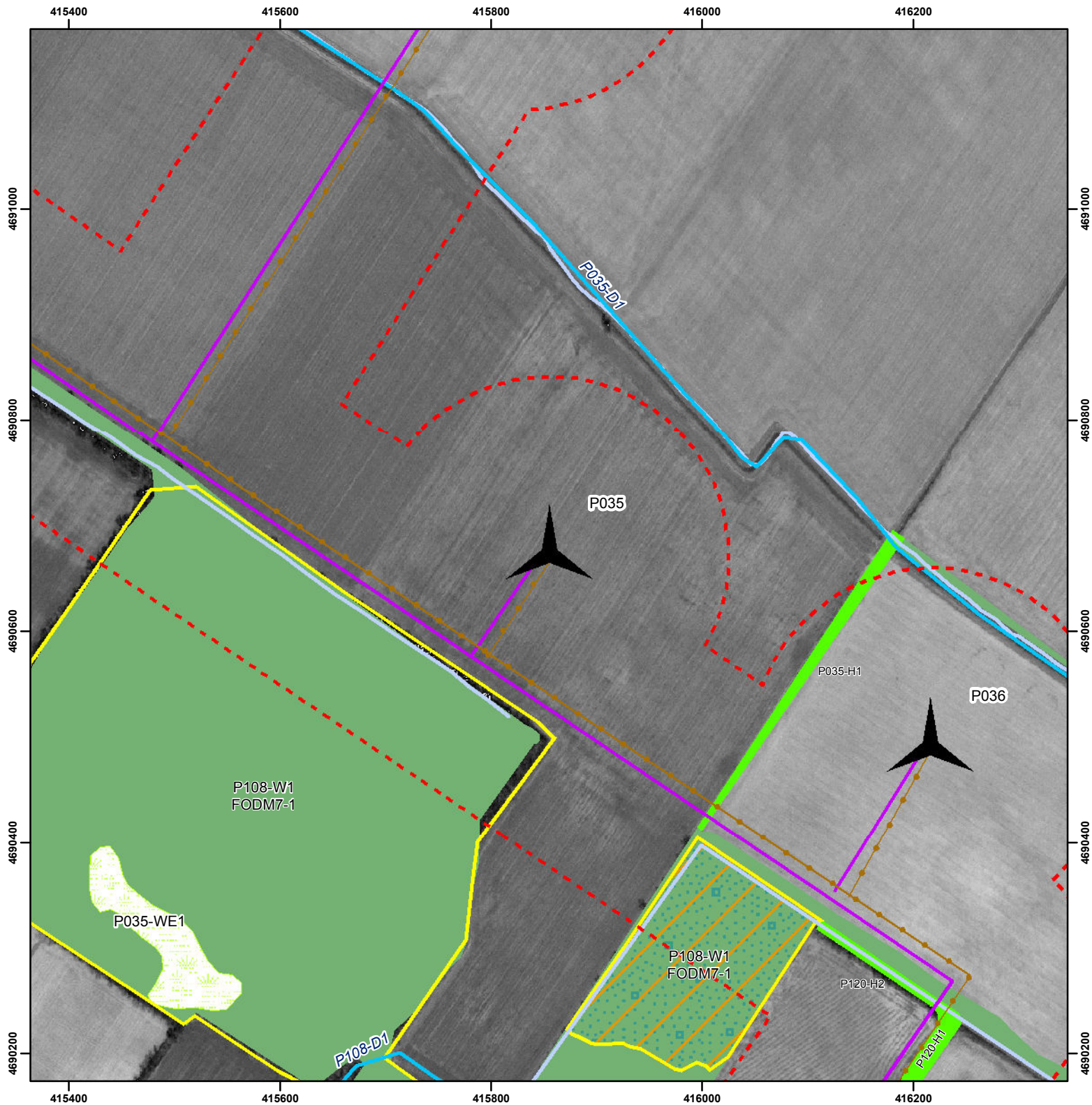
- Project Area (July 21, 2011)
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- Ecological Land Classification
- Important Bird Area
- Seasonal Concentration Areas
- Bat Maternity Roost

Habitat of Species of Conservation Concern

- Open Country Bird Breeding Habitat
- Habitat for Species Ranked S1-S3
- Area Sensitive Bird Breeding Habitat

Animal Movement Corridor

- Vegetated Drain Corridor
- Railbed Corridor



South Kent Wind Project

Turbine No. P035



July 22, 2011
Project No: NRSI-1184
UTM Zone 17, NAD 83
Scale: 1:5,000 (at 8.5 X 11")



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Legend

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- Underground Cabling

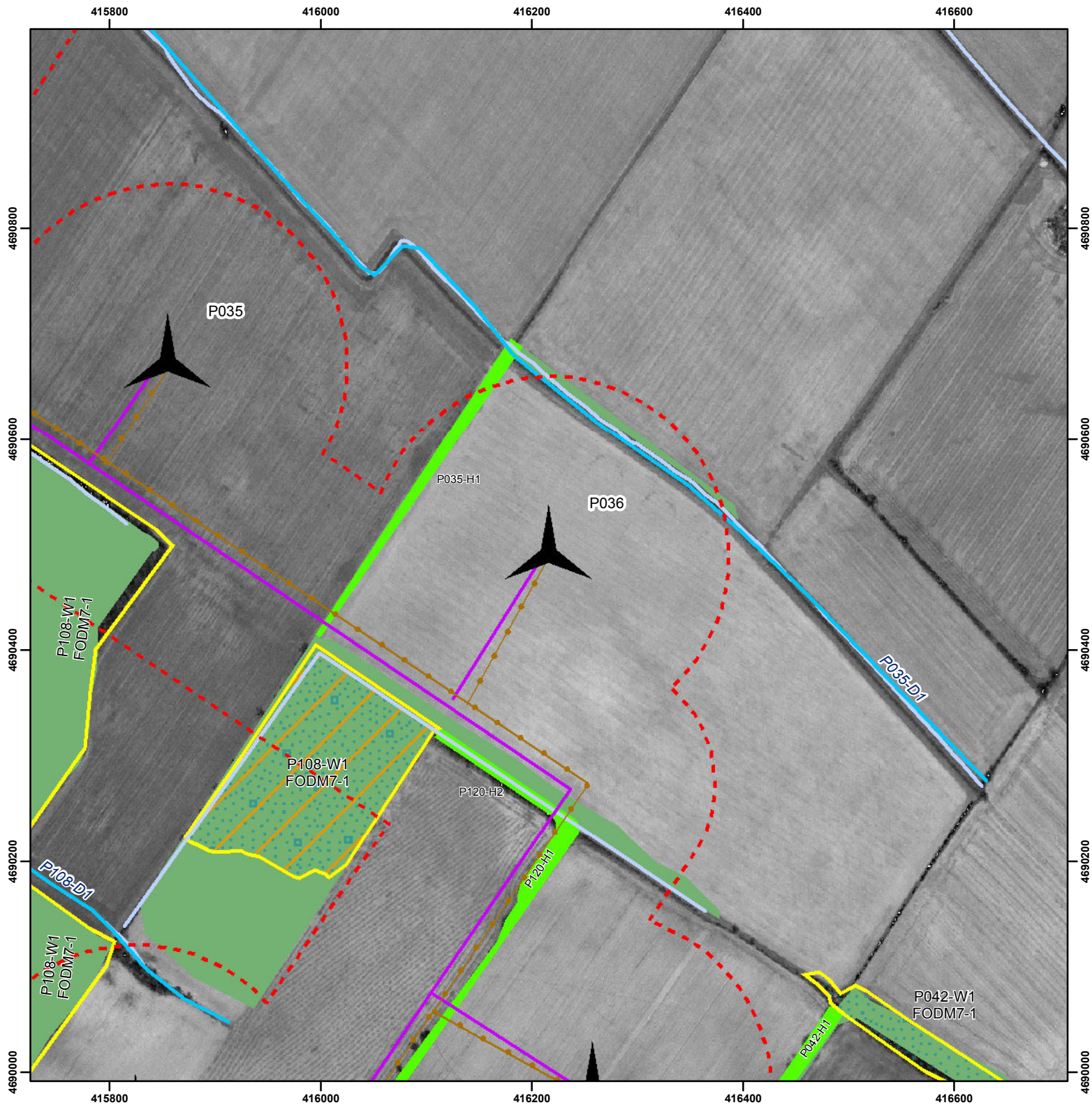
- 230kV Distribution Line
- Switch
- Wooded Area
- Waterbody
- Wetland Area
- Hedgerow
- Ecological Land Classification
- Important Bird Area
- Seasonal Concentration Areas
- Bat Maternity Roost

Habitat of Species of Conservation Concern

- Open Country Bird Breeding Habitat
- Habitat for Species Ranked S1-S3
- Area Sensitive Bird Breeding Habitat

Animal Movement Corridor

- Vegetated Drain Corridor
- Railbed Corridor



South Kent Wind Project

Turbine No. P036



July 22, 2011
Project No: NRSI-1184
UTM Zone 17, NAD 83
Scale: 1:5,000 (at 8.5 X 11")



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Legend

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- Watercourse (NRSI)
- Above Ground Cabling
- Underground Cabling

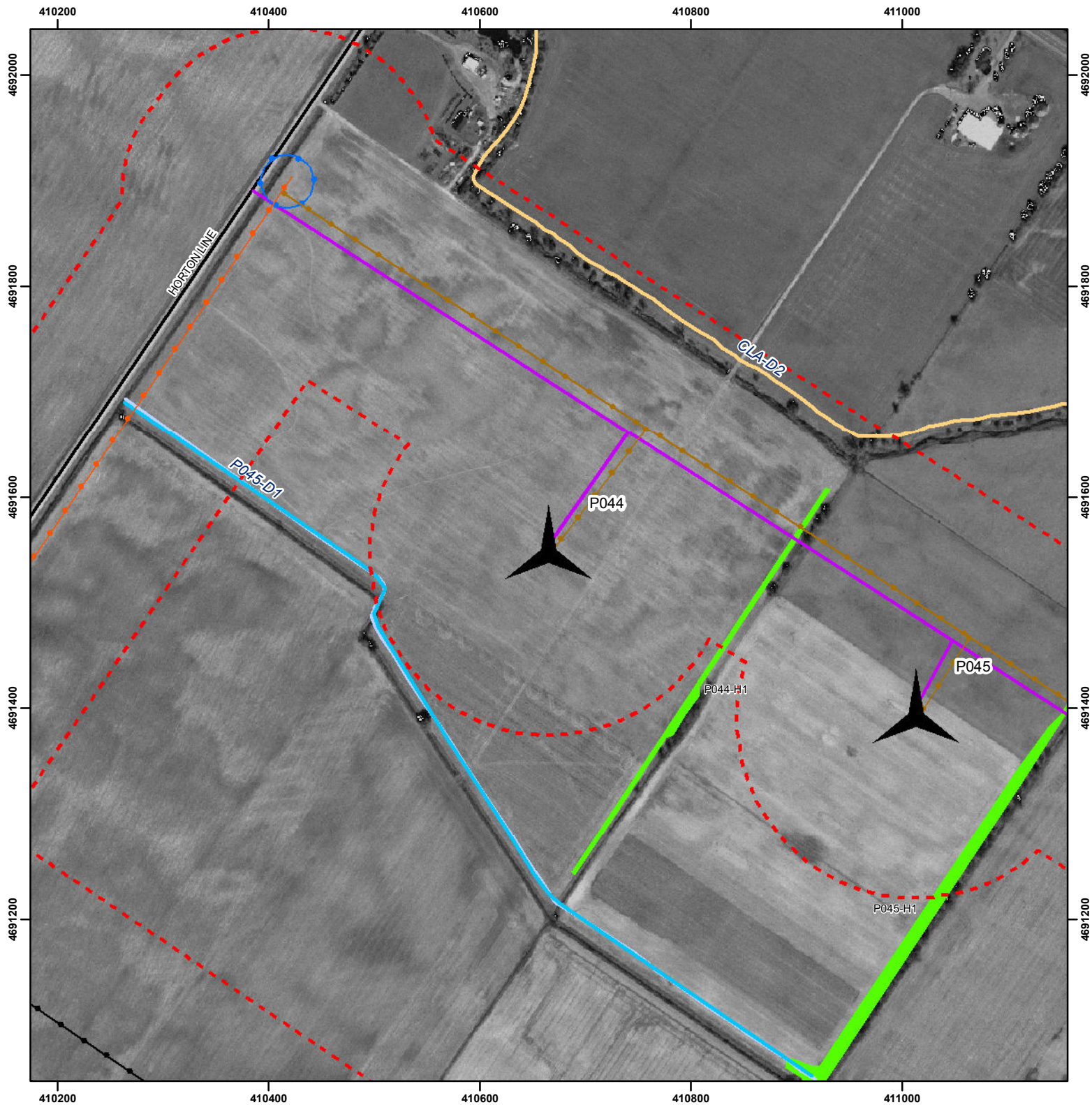
- 230kV Distribution Line
- Switch
- Wooded Area
- Waterbody
- Wetland Area
- Hedgerow
- Ecological Land Classification
- Important Bird Area
- Seasonal Concentration Areas
- Bat Maternity Roost

Habitat of Species of Conservation Concern

- Open Country Bird Breeding Habitat
- Habitat for Species Ranked S1-S3
- Area Sensitive Bird Breeding Habitat

Animal Movement Corridor

- Vegetated Drain Corridor
- Railbed Corridor



South Kent Wind Project

Turbine No. P044



July 22, 2011
Project No: NRSI-1184
UTM Zone 17, NAD 83
Scale: 1:5,000 (at 8.5 X 11")



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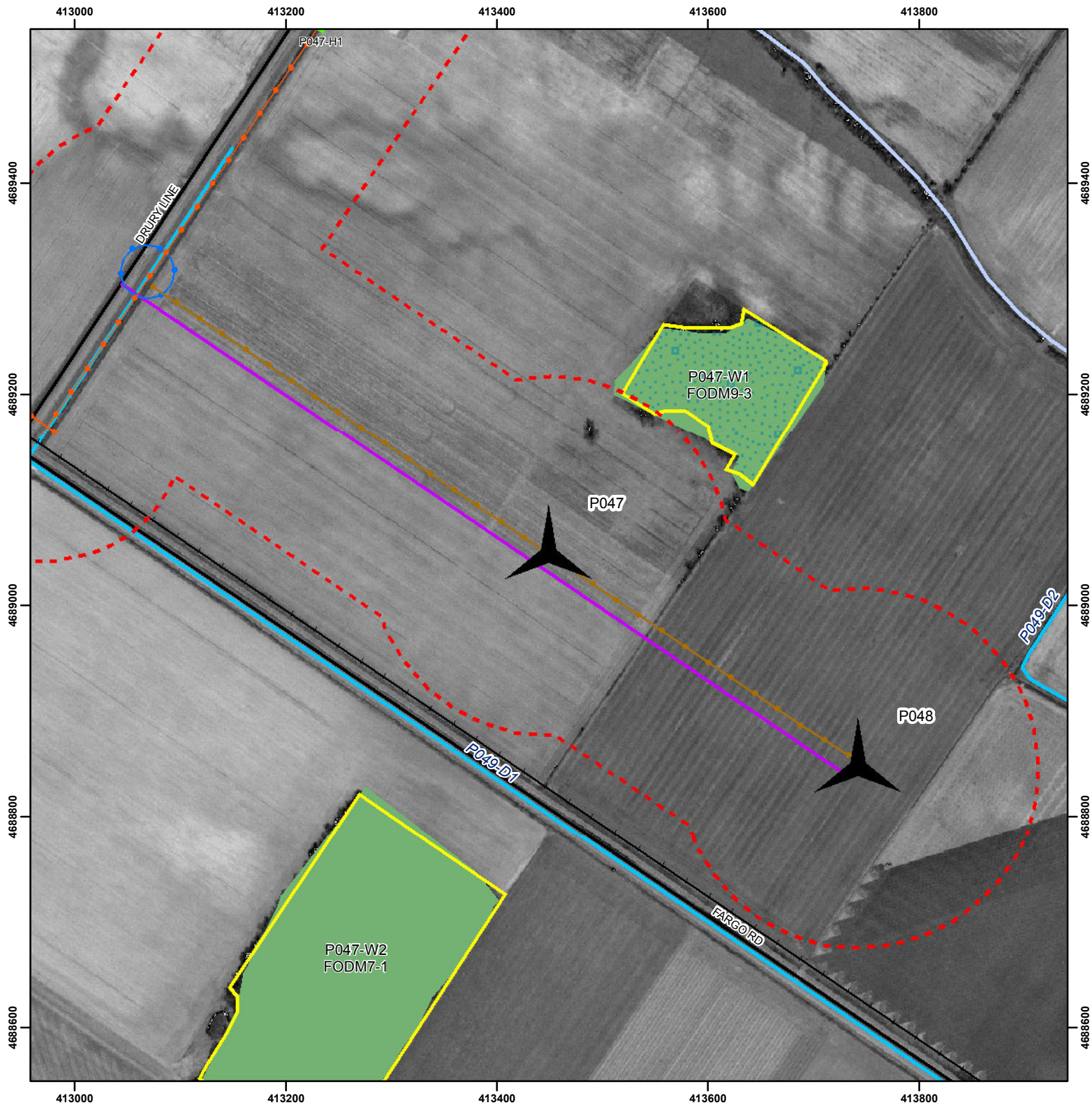
- Project Area (July 21, 2011)
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- Hedgerow
- Ecological Land Classification
- Important Bird Area
- Seasonal Concentration Areas
- Bat Maternity Roost

Habitat of Species of Conservation Concern

- Open Country Bird Breeding Habitat
- Habitat for Species Ranked S1-S3
- Area Sensitive Bird Breeding Habitat

Animal Movement Corridor

- Vegetated Drain Corridor
- Railbed Corridor



South Kent Wind Project Turbine No. P047



July 22, 2011
Project No: NRSI-1184
UTM Zone 17, NAD 83
Scale: 1:5,000 (at 8.5 X 11")



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Legend

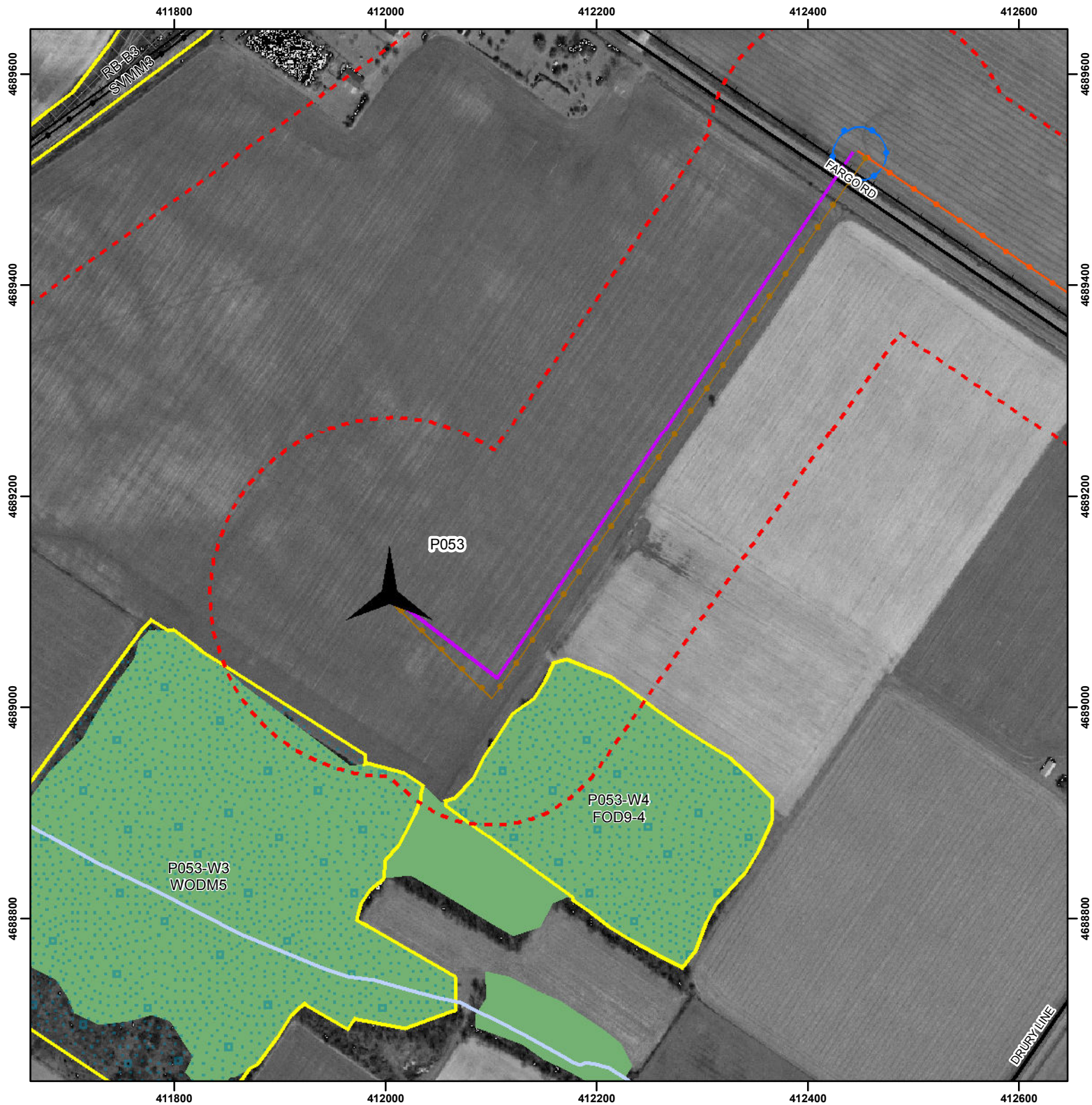
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- Wetland Area
- Hedgerow
- Ecological Land Classification
- Important Bird Area
- Seasonal Concentration Areas
- Bat Maternity Roost

Habitat of Species of Conservation Concern

- Open Country Bird Breeding Habitat
- Habitat for Species Ranked S1-S3
- Area Sensitive Bird Breeding Habitat

Animal Movement Corridor

- Vegetated Drain Corridor
- Railbed Corridor



South Kent Wind Project

Turbine No. P053



July 22, 2011
Project No: NRSI-1184
UTM Zone 17, NAD 83
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Legend

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- Wooded Area
- Waterbody
- Wetland Area
- Hedgerow
- Ecological Land Classification
- Important Bird Area
- Bat Maternity Roost

Habitat of Species of Conservation Concern

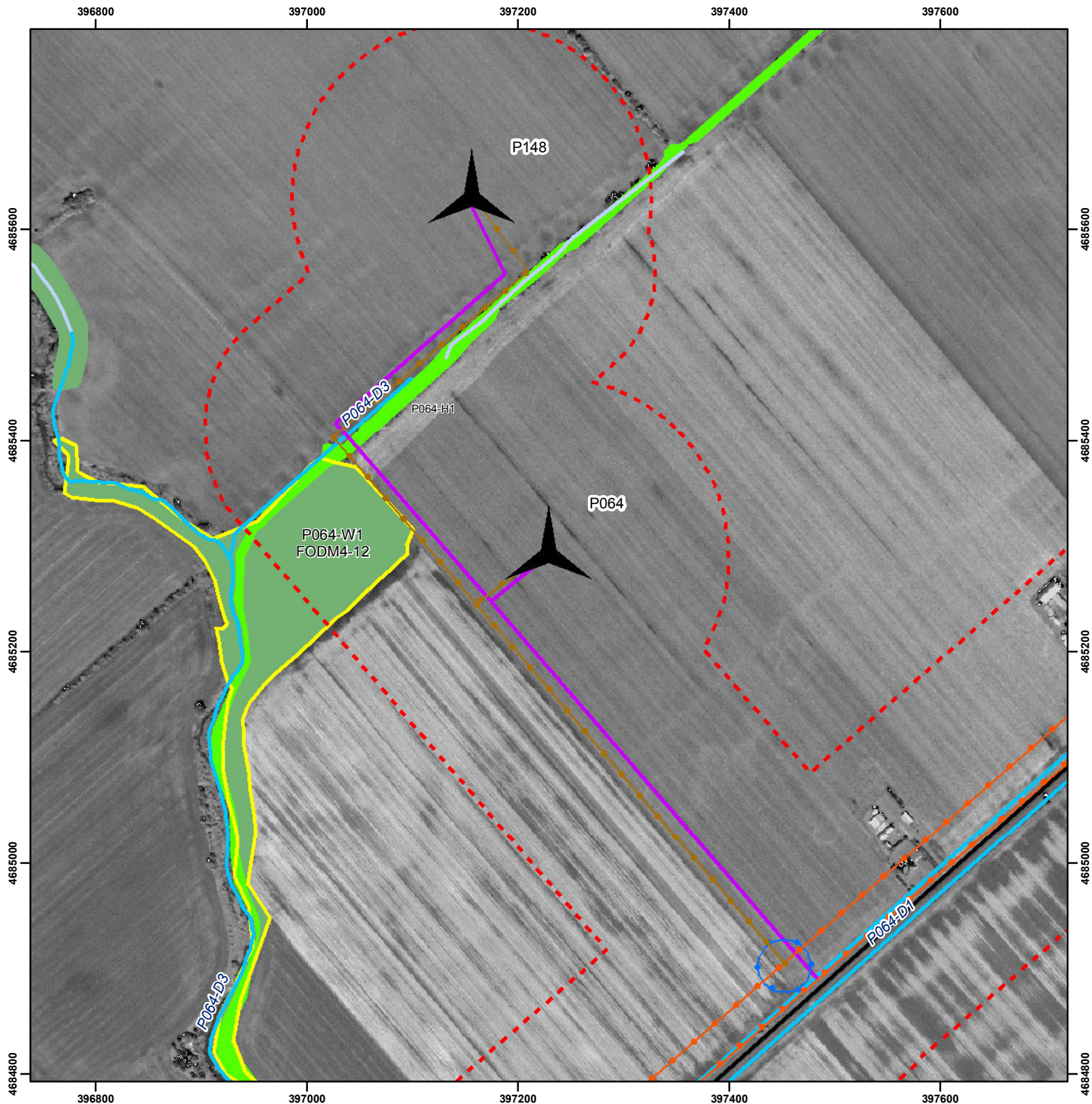
- Open Country Bird Breeding Habitat
- Habitat for Species Ranked S1-S3
- Area Sensitive Bird Breeding Habitat

Animal Movement Corridor

- Vegetated Drain Corridor
- Railbed Corridor

Seasonal Concentration Areas

- Bat Maternity Roost



South Kent Wind Project

Turbine No. P064



July 22, 2011
Project No: NRSI-1184
UTM Zone 17, NAD 83
Scale: 1:5,000 (at 8.5 X 11")



0 25 50 100 150 200 m

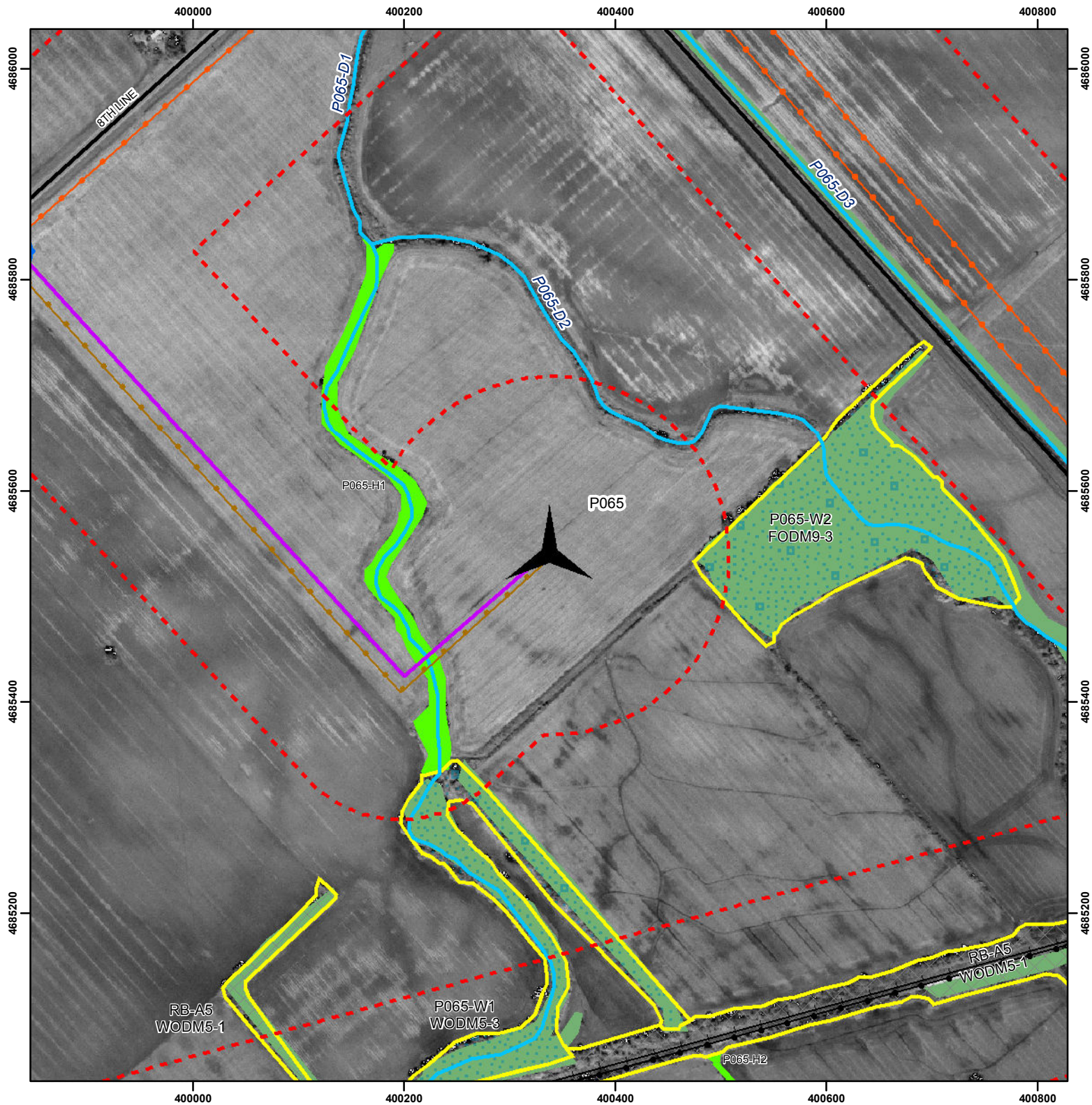
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Legend

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- Above Ground Cabling
- Underground Cabling

- 230kV Distribution Line
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- Wooded Area
- Waterbody
- Wetland Area
- Hedgerow
- Ecological Land Classification
- Important Bird Area
- Seasonal Concentration Areas
- Bat Maternity Roost

- Habitat of Species of Conservation Concern
- Open Country Bird Breeding Habitat
- Habitat for Species Ranked S1-S3
- Area Sensitive Bird Breeding Habitat
- Animal Movement Corridor**
- Vegetated Drain Corridor
- Railbed Corridor



South Kent Wind Project

Turbine No. P065



July 22, 2011
Project No: NRSI-1184
UTM Zone 17, NAD 83
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Legend

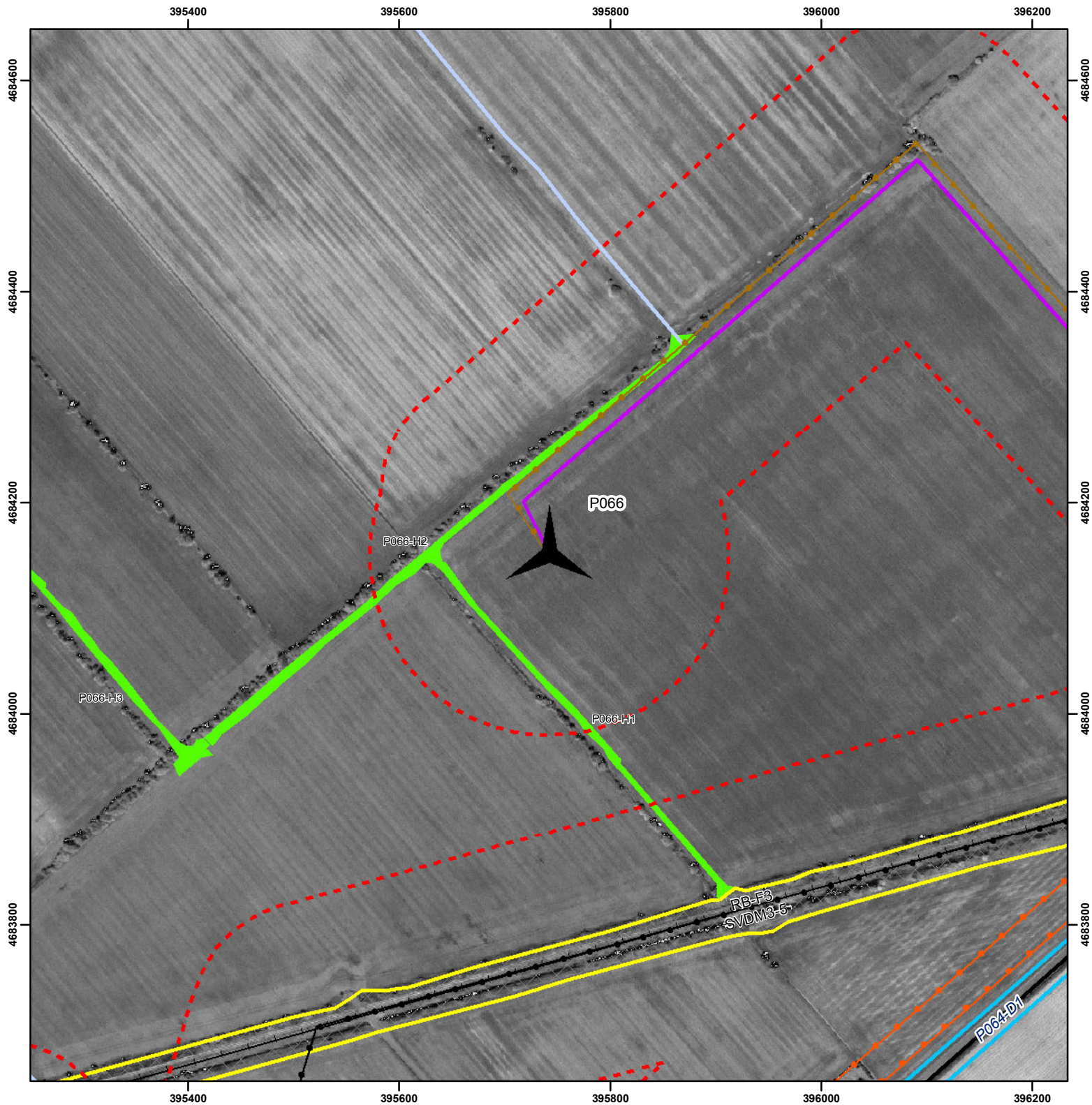
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- Underground Cabling
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- Waterbody
- Wetland Area
- Hedgerow
- Ecological Land Classification
- Important Bird Area
- Seasonal Concentration Areas
- Bat Maternity Roost

Habitat of Species of Conservation Concern

- Open Country Bird Breeding Habitat
- Habitat for Species Ranked S1-S3
- Area Sensitive Bird Breeding Habitat

Animal Movement Corridor

- Vegetated Drain Corridor
- Railed Corridor



South Kent Wind Project

Turbine No. P066



July 22, 2011
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UTM Zone 17, NAD 83
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- Ecological Land Classification
- Important Bird Area
- 230kV Distribution Line
- Bat Maternity Roost

Habitat of Species of Conservation Concern

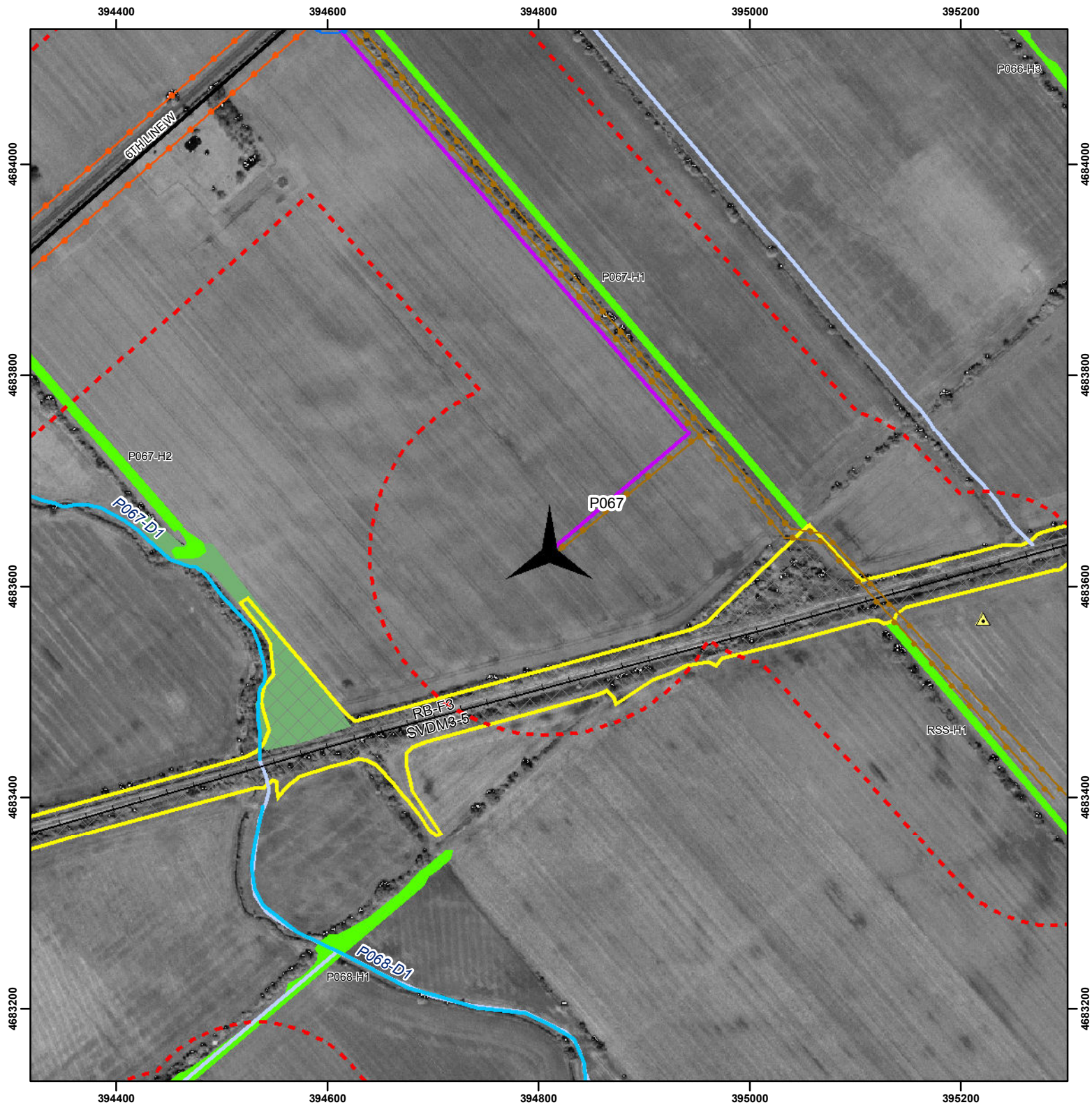
- Open Country Bird Breeding Habitat
- Habitat for Species Ranked S1-S3
- Area Sensitive Bird Breeding Habitat

Animal Movement Corridor

- Vegetated Drain Corridor
- Railbed Corridor

Seasonal Concentration Areas

- Bat Maternity Roost



South Kent Wind Project

Turbine No. P067



July 22, 2011
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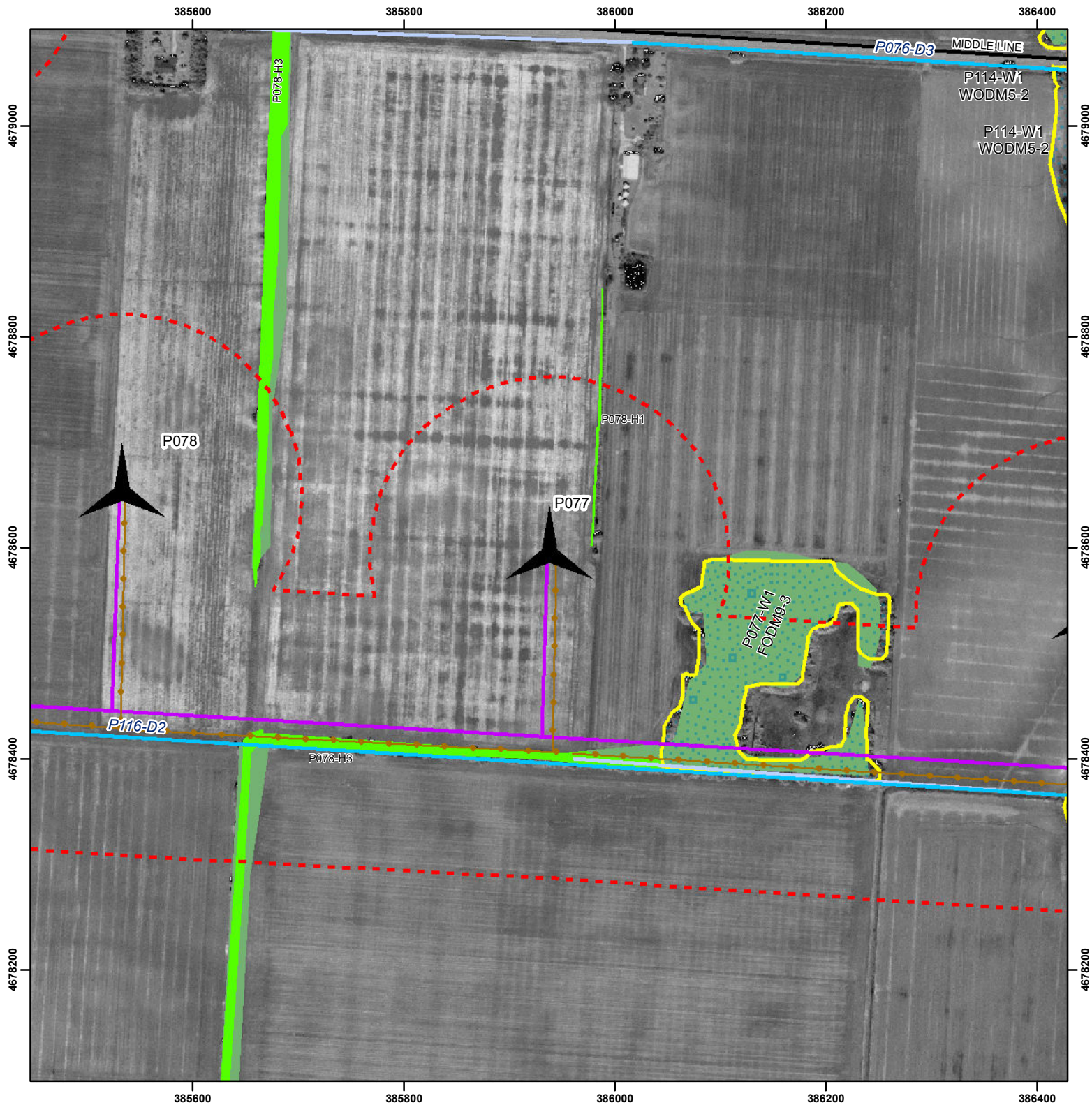
- Project Area (July 21, 2011)
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- Wetland Area
- Hedgerow
- Ecological Land Classification
- Important Bird Area
- Seasonal Concentration Areas
- Bat Maternity Roost

Habitat of Species of Conservation Concern

- Open Country Bird Breeding Habitat
- Habitat for Species Ranked S1-S3
- Area Sensitive Bird Breeding Habitat

Animal Movement Corridor

- Vegetated Drain Corridor
- Railbed Corridor



South Kent Wind Project

Turbine No. P077



July 22, 2011
Project No: NRSI-1184
UTM Zone 17, NAD 83
Scale: 1:5,000 (at 8.5 X 11")



0 25 50 100 150 200 m

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Legend

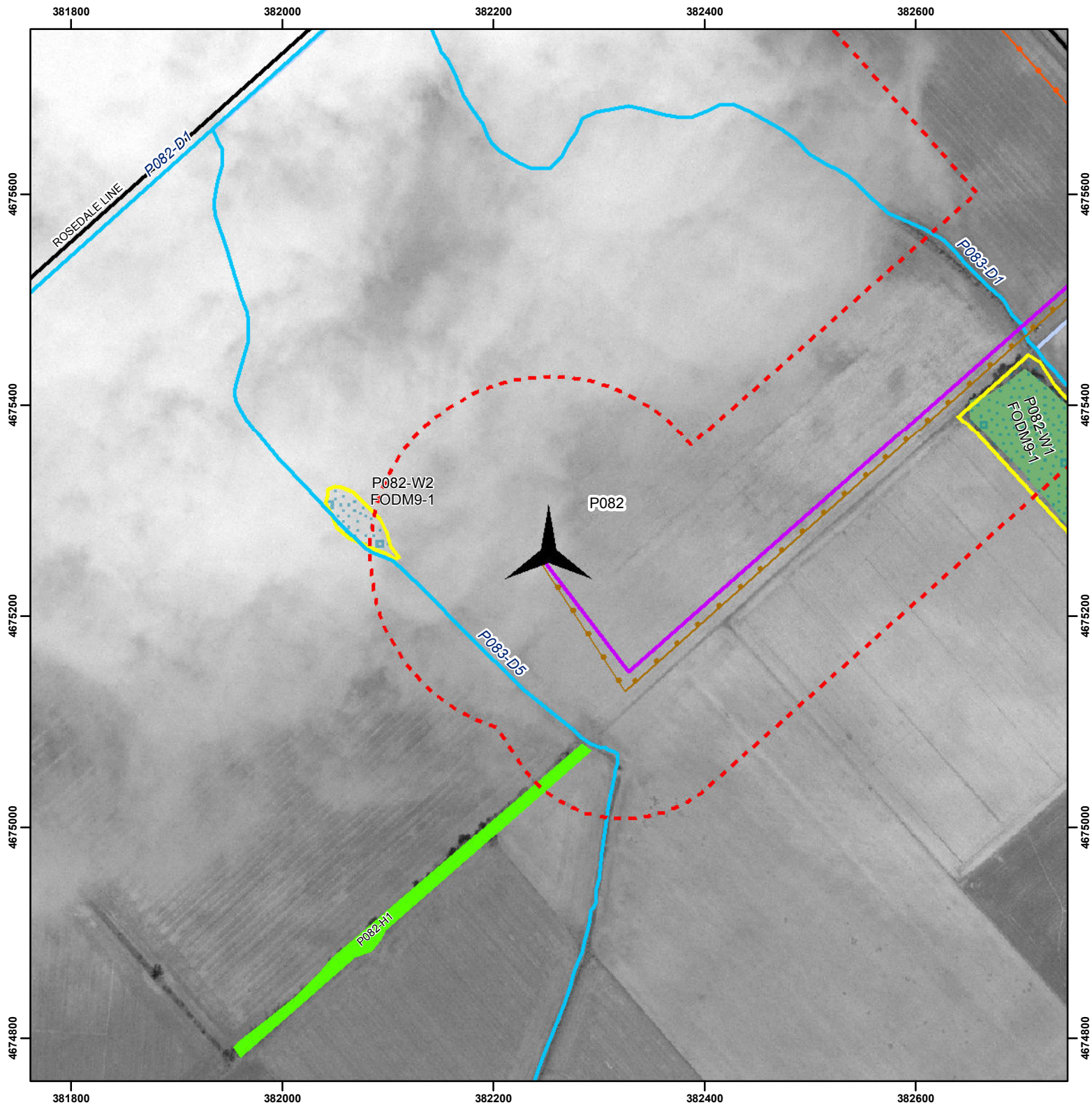
- Project Area (July 21, 2011)
- ▲ Proposed Turbine (L012)
- ▲ Electrical Substation
- Access Road
- Railway
- Road
- Watercourse (Permanent)
- Watercourse (NRSI)
- Above Ground Cabling
- Underground Cabling
- 230kV Distribution Line
- Switch
- Wooded Area
- Waterbody
- Wetland Area
- Hedgerow
- Ecological Land Classification
- Important Bird Area
- Seasonal Concentration Areas
- Bat Maternity Roost

Habitat of Species of Conservation Concern

- Open Country Bird Breeding Habitat
- Habitat for Species Ranked S1-S3
- Area Sensitive Bird Breeding Habitat

Animal Movement Corridor

- Vegetated Drain Corridor
- Railbed Corridor



South Kent Wind Project Turbine No. P082



July 22, 2011
Project No: NRSI-1184
UTM Zone 17, NAD 83
Scale: 1:5,000 (at 8.5 X 11")



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Legend

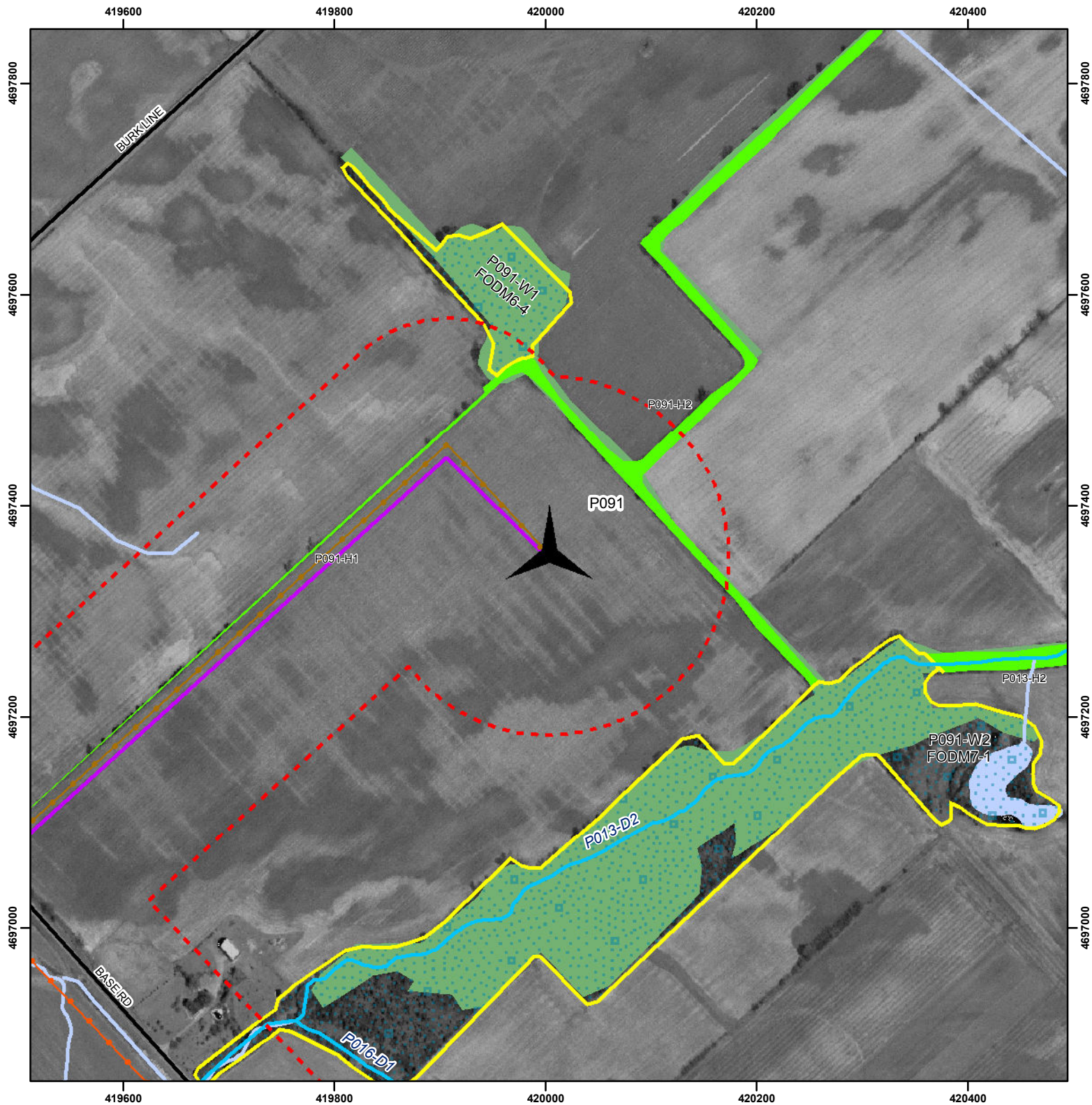
- Project Area (July 21, 2011)
- Proposed Turbine (L012)
- Electrical Substation
- Access Road
- Railway
- Road
- Watercourse (Permanent)
- Watercourse (NRSI)
- Above Ground Cabling
- Underground Cabling
- 230kV Distribution Line
- Switch
- Wooded Area
- Waterbody
- Wetland Area
- Hedgerow
- Ecological Land Classification
- Important Bird Area
- Seasonal Concentration Areas
- Bat Maternity Roost

Habitat of Species of Conservation Concern

- Open Country Bird Breeding Habitat
- Habitat for Species Ranked S1-S3
- Area Sensitive Bird Breeding Habitat

Animal Movement Corridor

- Vegetated Drain Corridor
- Railbed Corridor



South Kent Wind Project

Turbine No. P091



July 22, 2011
Project No: NRSI-1184
UTM Zone 17, NAD 83
Scale: 1:5,000 (at 8.5 X 11")



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Legend

- Project Area (July 21, 2011)
- ▲ Proposed Turbine (L012)
- Electrical Substation
- Access Road
- Railway
- Road
- Watercourse (Permanent)
- Watercourse (NRSI)
- Above Ground Cabling
- Underground Cabling
- 230kV Distribution Line
- Switch
- Wooded Area
- Waterbody
- Wetland Area
- Hedgerow
- Ecological Land Classification
- Important Bird Area

Habitat of Species of Conservation Concern

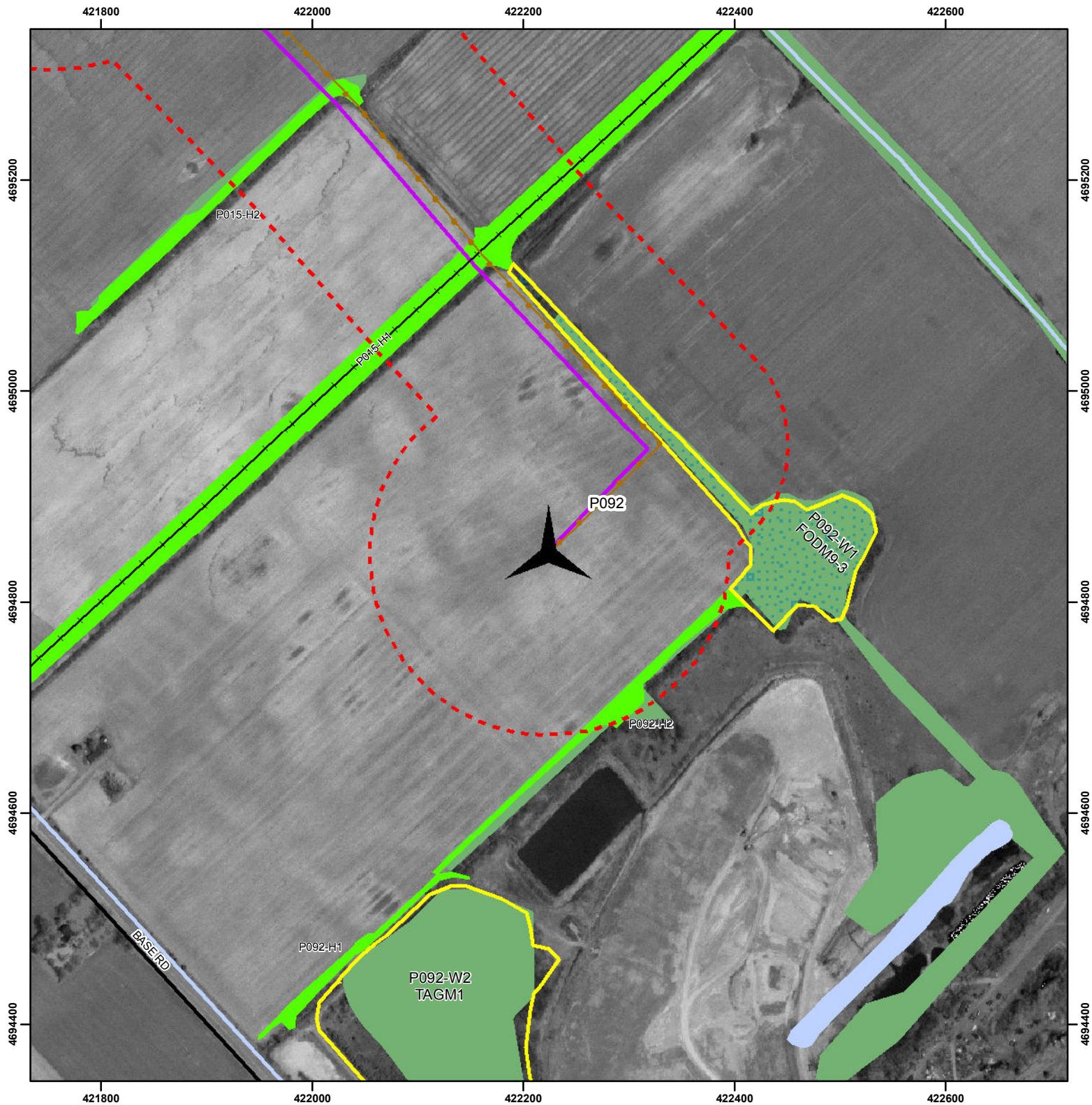
- Open Country Bird Breeding Habitat
- Habitat for Species Ranked S1-S3
- Area Sensitive Bird Breeding Habitat

Animal Movement Corridor

- Vegetated Drain Corridor
- Railbed Corridor

Seasonal Concentration Areas

- Bat Maternity Roost



South Kent Wind Project Turbine No. P092



July 22, 2011
Project No: NRSI-1184
UTM Zone 17, NAD 83
Scale: 1:5,000 (at 8.5 X 11")



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Legend

- Project Area (July 21, 2011)
- Proposed Turbine (L012)
- Electrical Substation
- Access Road
- Railway
- Road
- Watercourse (Permanent)
- Watercourse (NRSI)
- Above Ground Cabling
- Underground Cabling

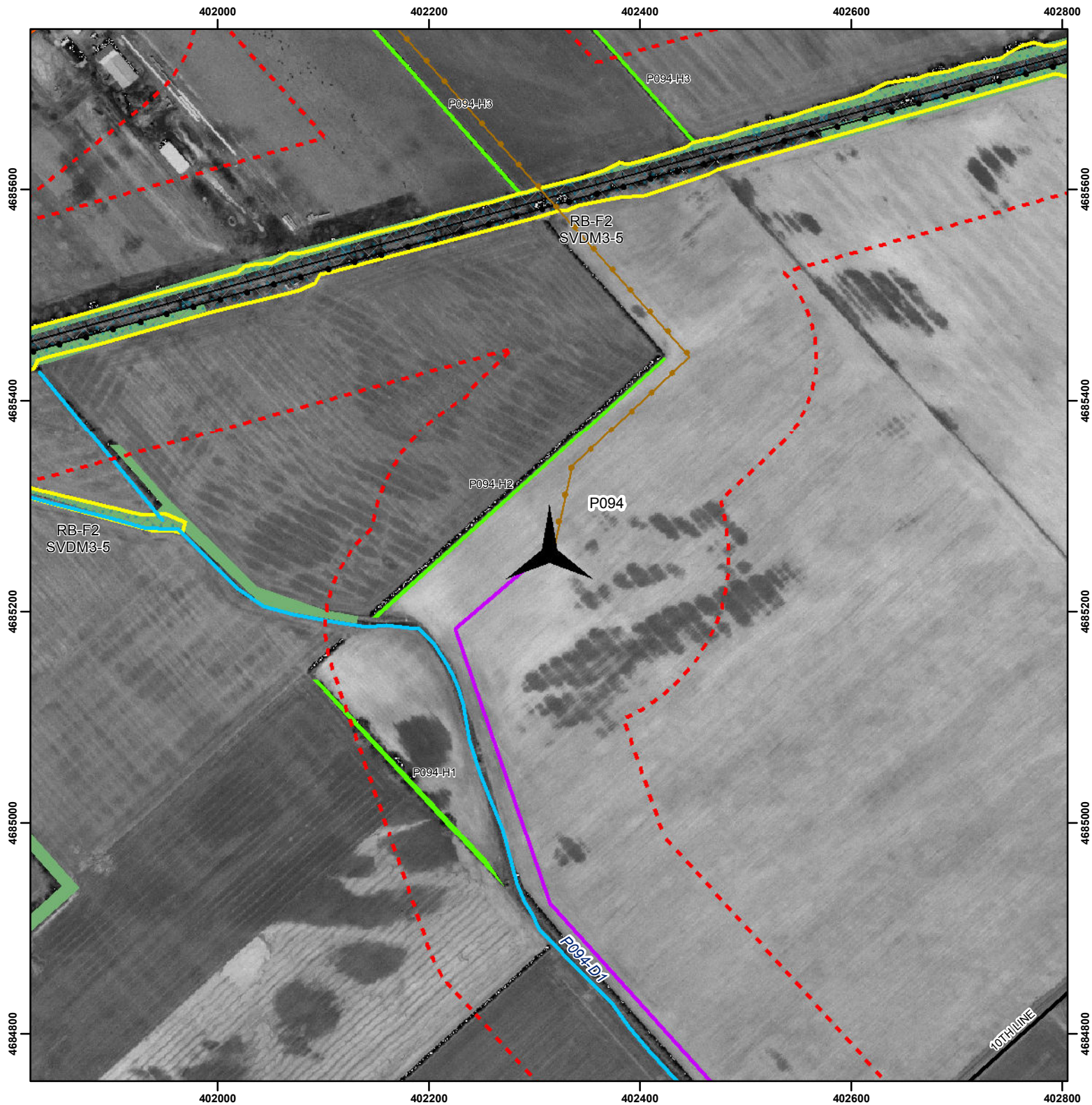
- 230kV Distribution Line
- Switch
- Wooded Area
- Waterbody
- Wetland Area
- Hedgerow
- Ecological Land Classification
- Important Bird Area
- Bat Maternity Roost

Habitat of Species of Conservation Concern

- Open Country Bird Breeding Habitat
- Habitat for Species Ranked S1-S3
- Area Sensitive Bird Breeding Habitat

Animal Movement Corridor

- Vegetated Drain Corridor
- Railbed Corridor



South Kent Wind Project

Turbine No. P094



July 22, 2011
Project No: NRSI-1184
UTM Zone 17, NAD 83
Scale: 1:5,000 (at 8.5 X 11")



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Legend

- Project Area (July 21, 2011)
- Proposed Turbine (L012)
- Electrical Substation
- Access Road
- Railway
- Road
- Watercourse (Permanent)
- Watercourse (NRSI)
- Above Ground Cabling
- Underground Cabling
- 230kV Distribution Line
- Switch
- Wooded Area
- Waterbody
- Wetland Area
- Hedgerow
- Ecological Land Classification
- Important Bird Area
- Bat Maternity Roost

Habitat of Species of Conservation Concern

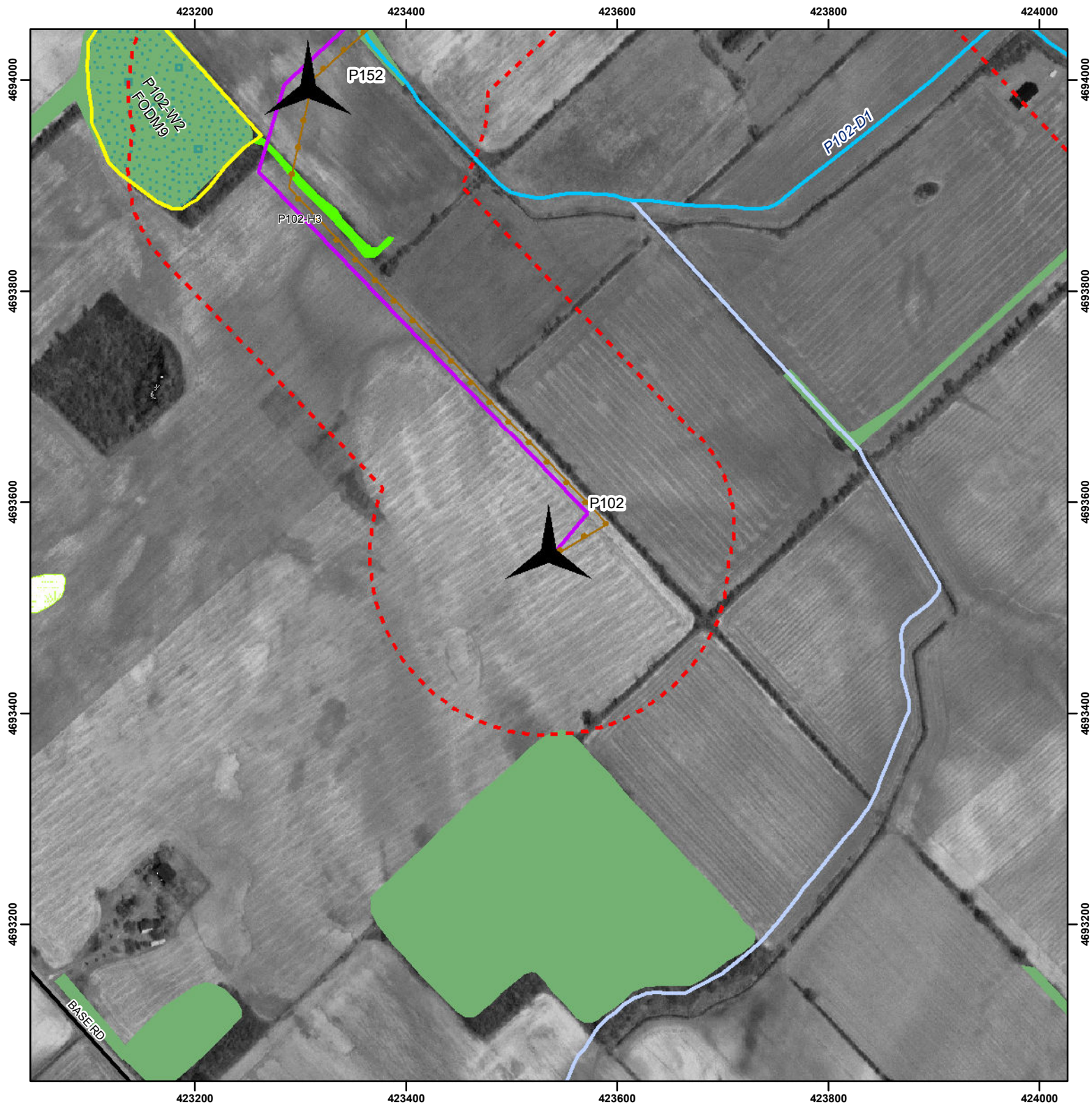
- Open Country Bird Breeding Habitat
- Habitat for Species Ranked S1-S3
- Area Sensitive Bird Breeding Habitat

Animal Movement Corridor

- Vegetated Drain Corridor
- Railbed Corridor

Seasonal Concentration Areas

- Bat Maternity Roost



South Kent Wind Project Turbine No. P102

NATURAL RESOURCE SOLUTIONS INC.
 Aquatic, Terrestrial and Wetland Biologists

July 22, 2011
 Project No: NRSI-1184
 UTM Zone 17, NAD 83
 Scale: 1:5,000 (at 8.5 X 11")



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Legend

- Project Area (July 21, 2011)
- Proposed Turbine (L012)
- Electrical Substation
- Access Road
- Railway
- Road
- Watercourse (Permanent)
- Watercourse (NRSI)
- Above Ground Cabling
- Underground Cabling

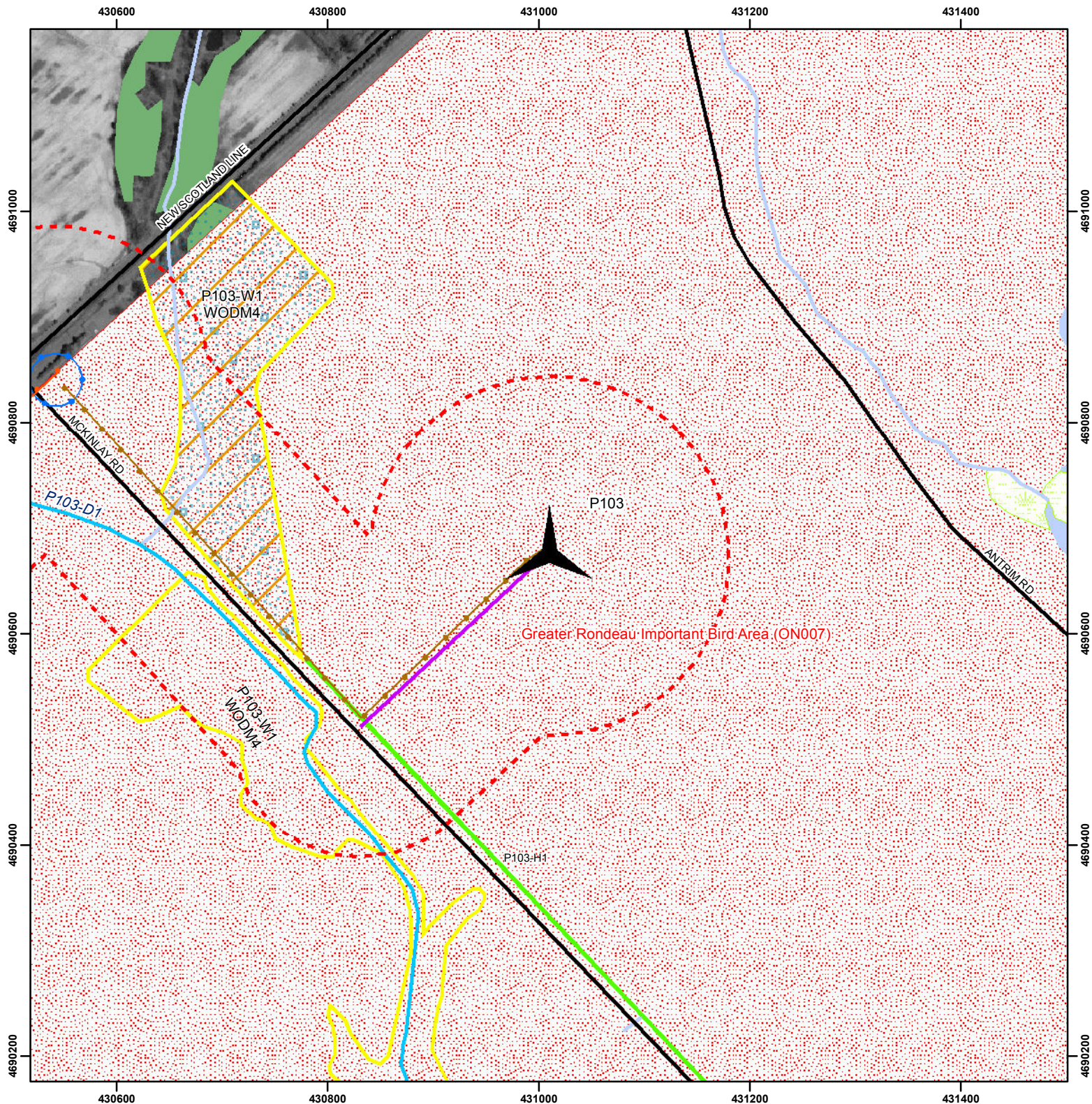
- 230kV Distribution Line
- Switch
- Wooded Area
- Waterbody
- Wetland Area
- Hedgerow
- Ecological Land Classification
- Important Bird Area
- Seasonal Concentration Areas
- Bat Maternity Roost

Habitat of Species of Conservation Concern

- Open Country Bird Breeding Habitat
- Habitat for Species Ranked S1-S3
- Area Sensitive Bird Breeding Habitat

Animal Movement Corridor

- Vegetated Drain Corridor
- Railbed Corridor



South Kent Wind Project Turbine No. P103



July 22, 2011
Project No: NRSI-1184
UTM Zone 17, NAD 83
Scale: 1:5,000 (at 8.5 X 11")



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Legend

- Project Area (July 21, 2011)
- Proposed Turbine (L012)
- Electrical Substation
- Access Road
- Railway
- Road
- Watercourse (Permanent)
- Watercourse (NRSI)
- Above Ground Cabling
- Underground Cabling
- 230kV Distribution Line
- Switch
- Wooded Area
- Waterbody
- Wetland Area
- Hedgerow
- Ecological Land Classification
- Important Bird Area
- Bat Maternity Roost

Habitat of Species of Conservation Concern

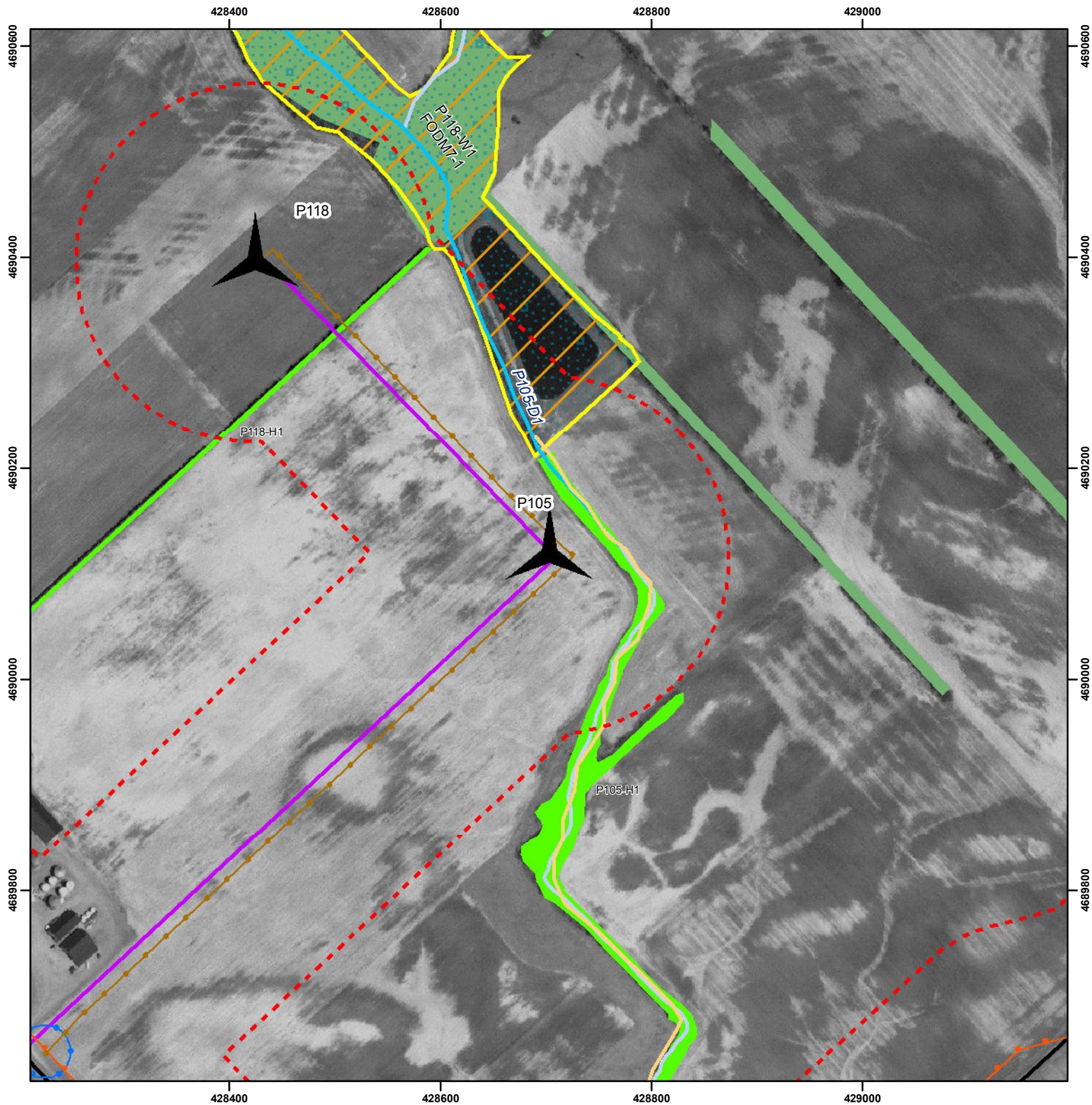
- Open Country Bird Breeding Habitat
- Habitat for Species Ranked S1-S3
- Area Sensitive Bird Breeding Habitat

Animal Movement Corridor

- Vegetated Drain Corridor
- Railbed Corridor

Seasonal Concentration Areas

- Bat Maternity Roost



South Kent Wind Project Turbine No. P105



July 22, 2011
Project No: NRSI-1184
UTM Zone 17, NAD 83
Scale: 1:5,000 (at 8.5 X 11")



0 25 50 100 150 200 m

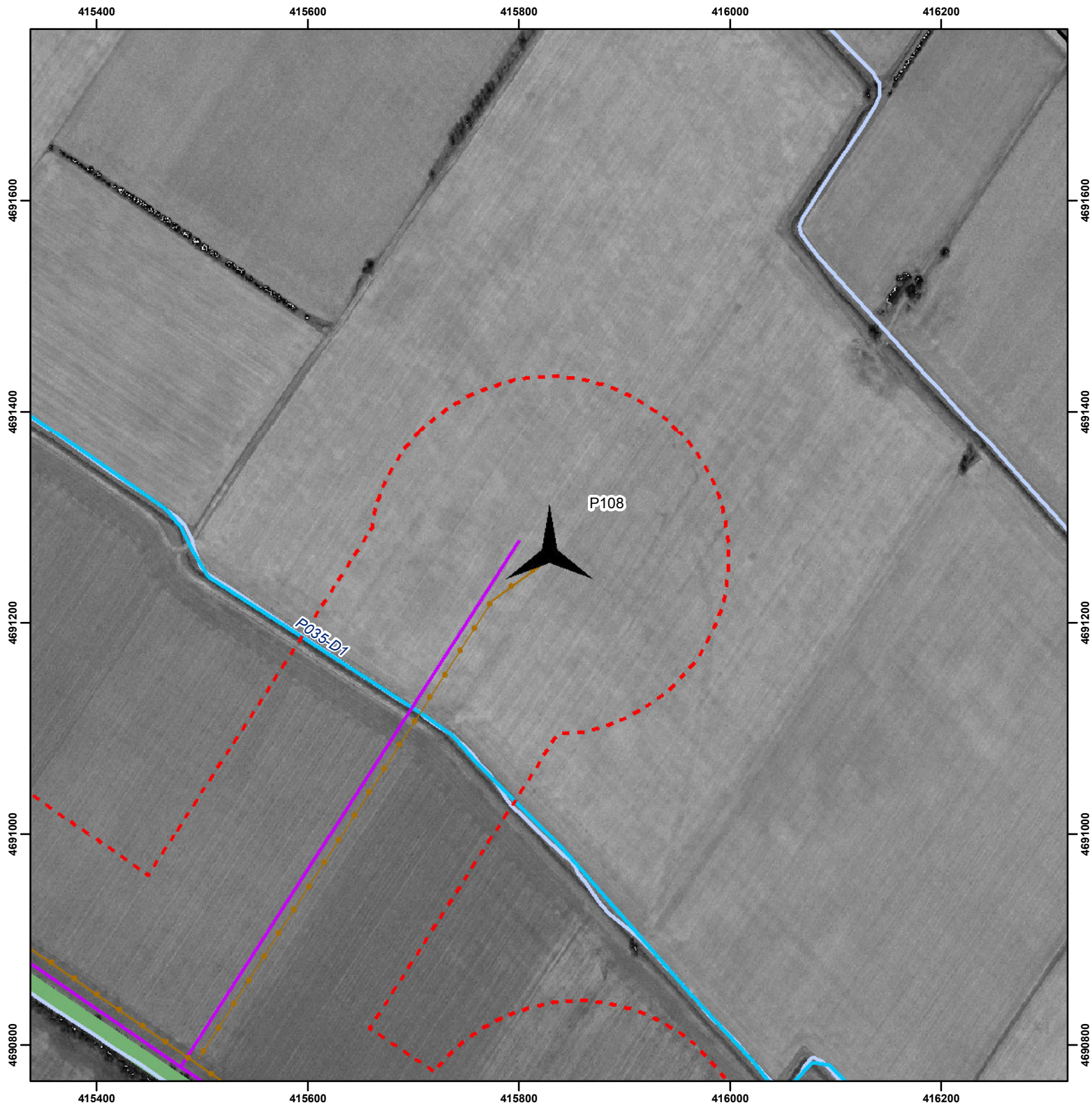
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Legend

- Project Area (July 21, 2011)
- Proposed Turbine (L012)
- Electrical Substation
- Access Road
- Railway
- Road
- Watercourse (Permanent)
- Watercourse (NRSI)
- Above Ground Cabling
- Underground Cabling

- 230kV Distribution Line
- Switch
- Wooded Area
- Waterbody
- Wetland Area
- Hedgerow
- Ecological Land Classification
- Important Bird Area
- Seasonal Concentration Areas
- Bat Maternity Roost

- Habitat of Species of Conservation Concern
- Open Country Bird Breeding Habitat
- Habitat for Species Ranked S1-S3
- Area Sensitive Bird Breeding Habitat
- Animal Movement Corridor
- Vegetated Drain Corridor
- Railbed Corridor



South Kent Wind Project

Turbine No. P108



July 22, 2011
Project No: NRSI-1184
UTM Zone 17, NAD 83
Scale: 1:5,000 (at 8.5 X 11")



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Legend

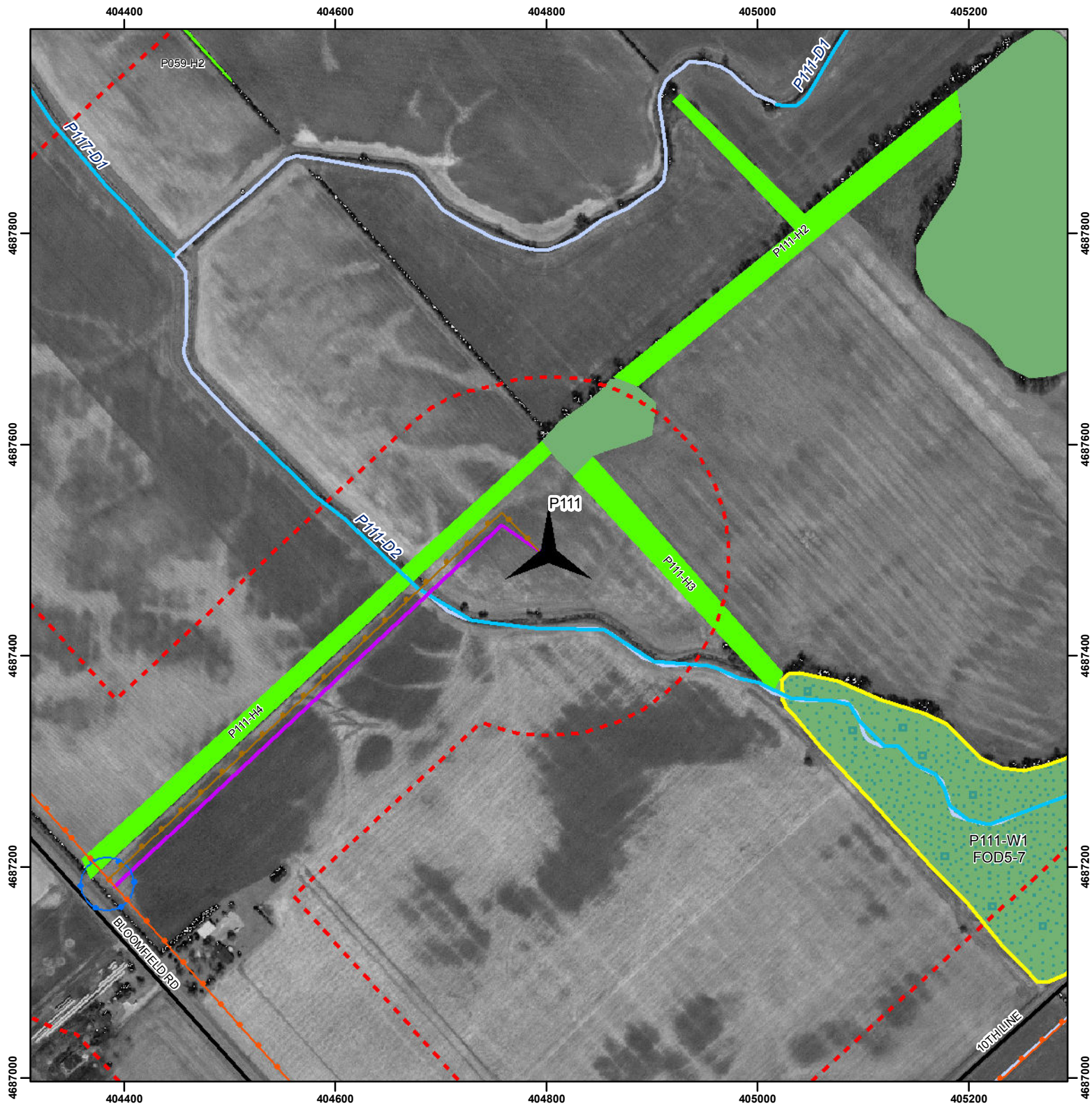
- Project Area (July 21, 2011)
- Proposed Turbine (L012)
- Electrical Substation
- Access Road
- Railway
- Road
- Watercourse (Permanent)
- Watercourse (NRSI)
- Above Ground Cabling
- Underground Cabling
- 230kV Distribution Line
- Switch
- Wooded Area
- Waterbody
- Wetland Area
- Hedgerow
- Ecological Land Classification
- Important Bird Area
- Seasonal Concentration Areas
- Bat Maternity Roost

Habitat of Species of Conservation Concern

- Open Country Bird Breeding Habitat
- Habitat for Species Ranked S1-S3
- Area Sensitive Bird Breeding Habitat

Animal Movement Corridor

- Vegetated Drain Corridor
- Railbed Corridor



South Kent Wind Project

Turbine No. P111



July 22, 2011
Project No: NRSI-1184
UTM Zone 17, NAD 83
Scale: 1:5,000 (at 8.5 X 11")



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Legend

- Project Area (July 21, 2011)
- Proposed Turbine (L012)
- Electrical Substation
- Access Road
- Railway
- Road
- Watercourse (Permanent)
- Watercourse (NRSI)
- Above Ground Cabling
- Underground Cabling

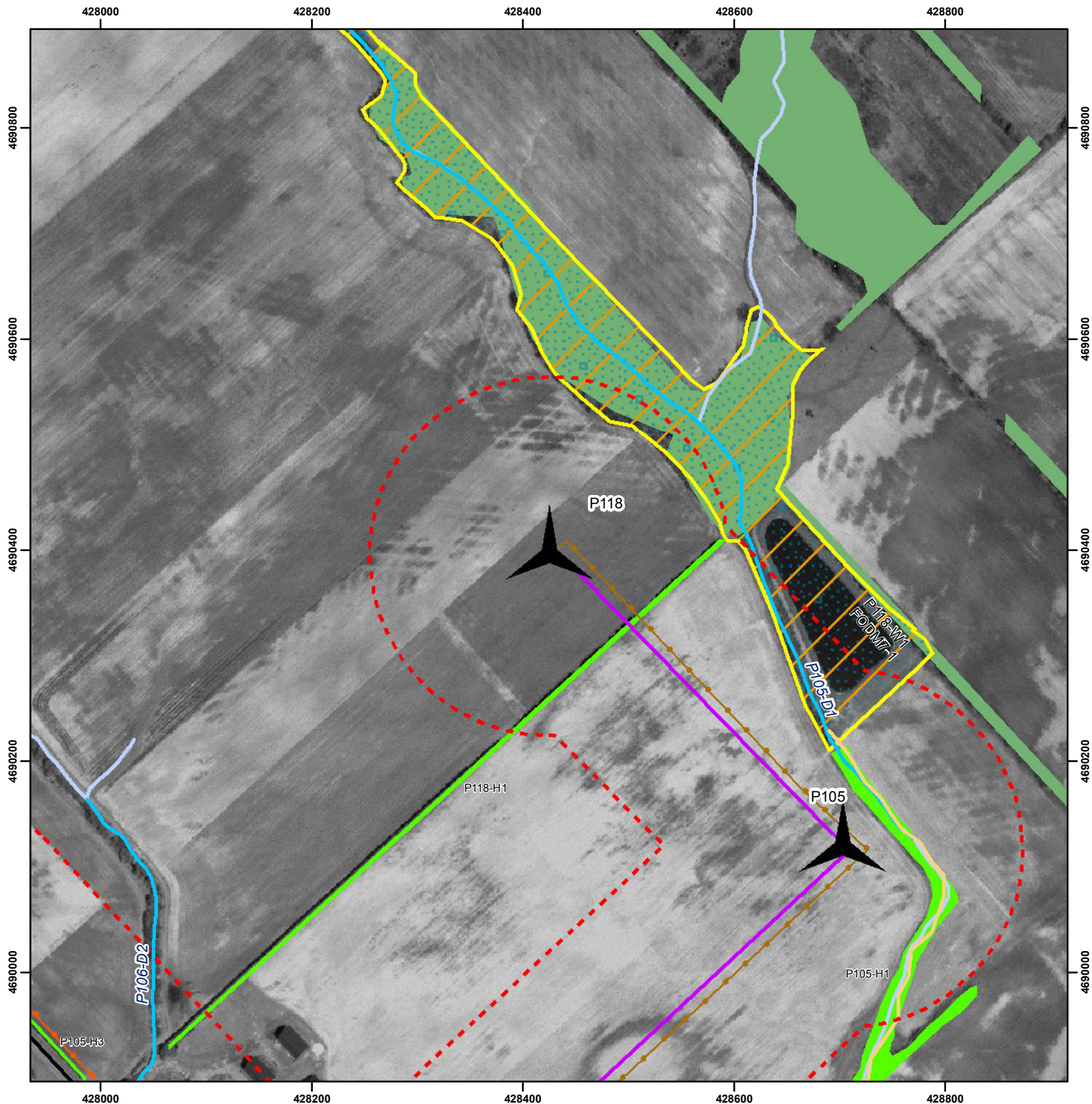
- 230kV Distribution Line
- Switch
- Wooded Area
- Waterbody
- Wetland Area
- Hedgerow
- Ecological Land Classification
- Important Bird Area
- Seasonal Concentration Areas
- Bat Maternity Roost

Habitat of Species of Conservation Concern

- Open Country Bird Breeding Habitat
- Habitat for Species Ranked S1-S3
- Area Sensitive Bird Breeding Habitat

Animal Movement Corridor

- Vegetated Drain Corridor
- Railbed Corridor



South Kent Wind Project Turbine No. P118



July 22, 2011
Project No: NRSI-1184
UTM Zone 17, NAD 83
Scale: 1:5,000 (at 8.5 X 11")



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Legend

- Project Area (July 21, 2011)
- Proposed Turbine (L012)
- Electrical Substation
- Access Road
- Railway
- Road
- Watercourse (Permanent)
- Watercourse (NRSI)
- Above Ground Cabling
- Underground Cabling

- 230kV Distribution Line
- Switch
- Wooded Area
- Waterbody
- Wetland Area
- Hedgerow
- Ecological Land Classification
- Important Bird Area
- Bat Maternity Roost

Habitat of Species of Conservation Concern

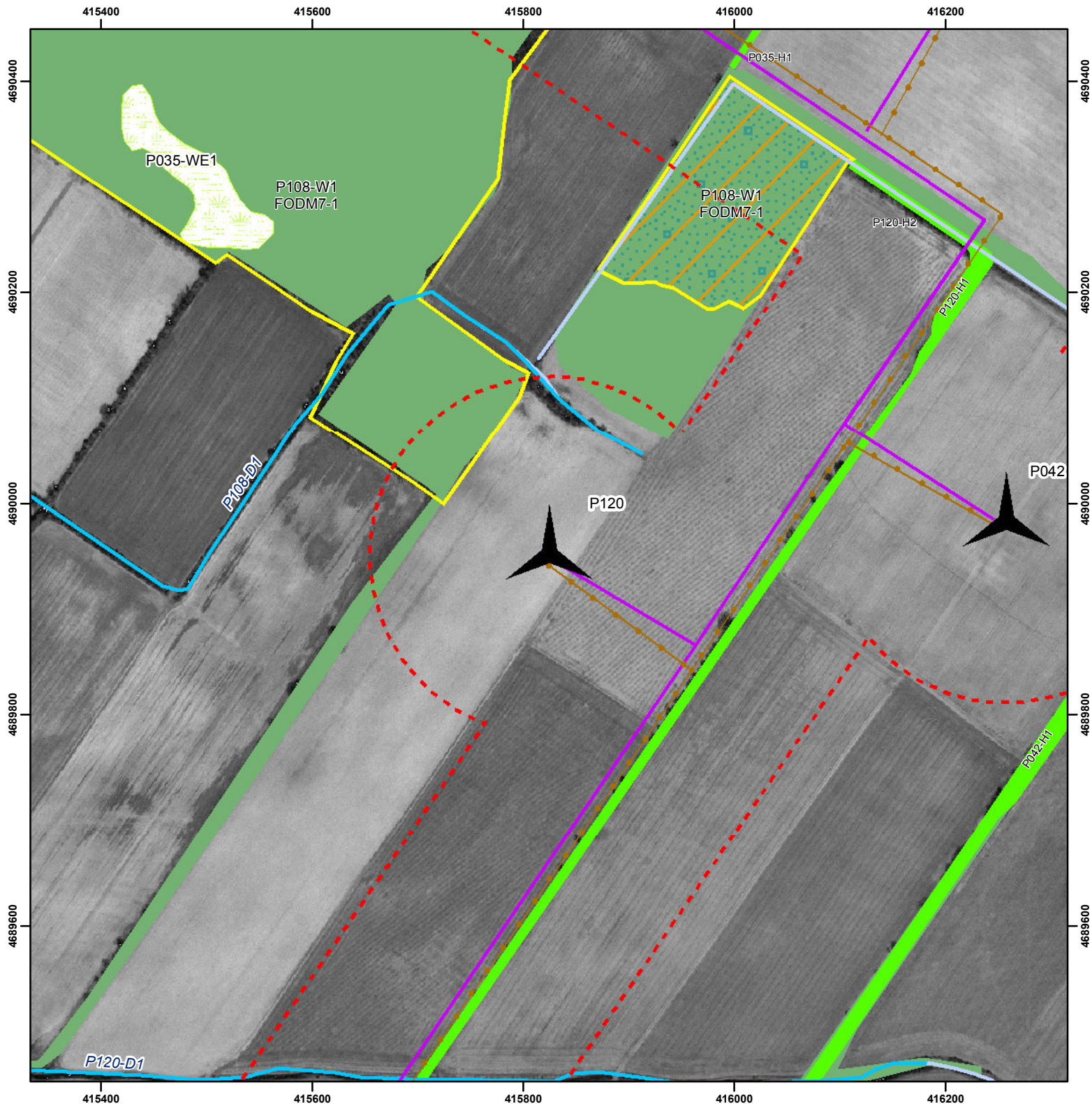
- Open Country Bird Breeding Habitat
- Habitat for Species Ranked S1-S3
- Area Sensitive Bird Breeding Habitat

Animal Movement Corridor

- Vegetated Drain Corridor
- Railbed Corridor

Seasonal Concentration Areas

- Bat Maternity Roost



South Kent Wind Project

Turbine No. P120



July 22, 2011
 Project No: NRSI-1184
 UTM Zone 17, NAD 83
 Scale: 1:5,000 (at 8.5 X 11")



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Legend

- Project Area (July 21, 2011)
- Proposed Turbine (L012)
- Electrical Substation
- Access Road
- Railway
- Road
- Watercourse (Permanent)
- Watercourse (NRSI)
- Above Ground Cabling
- Underground Cabling

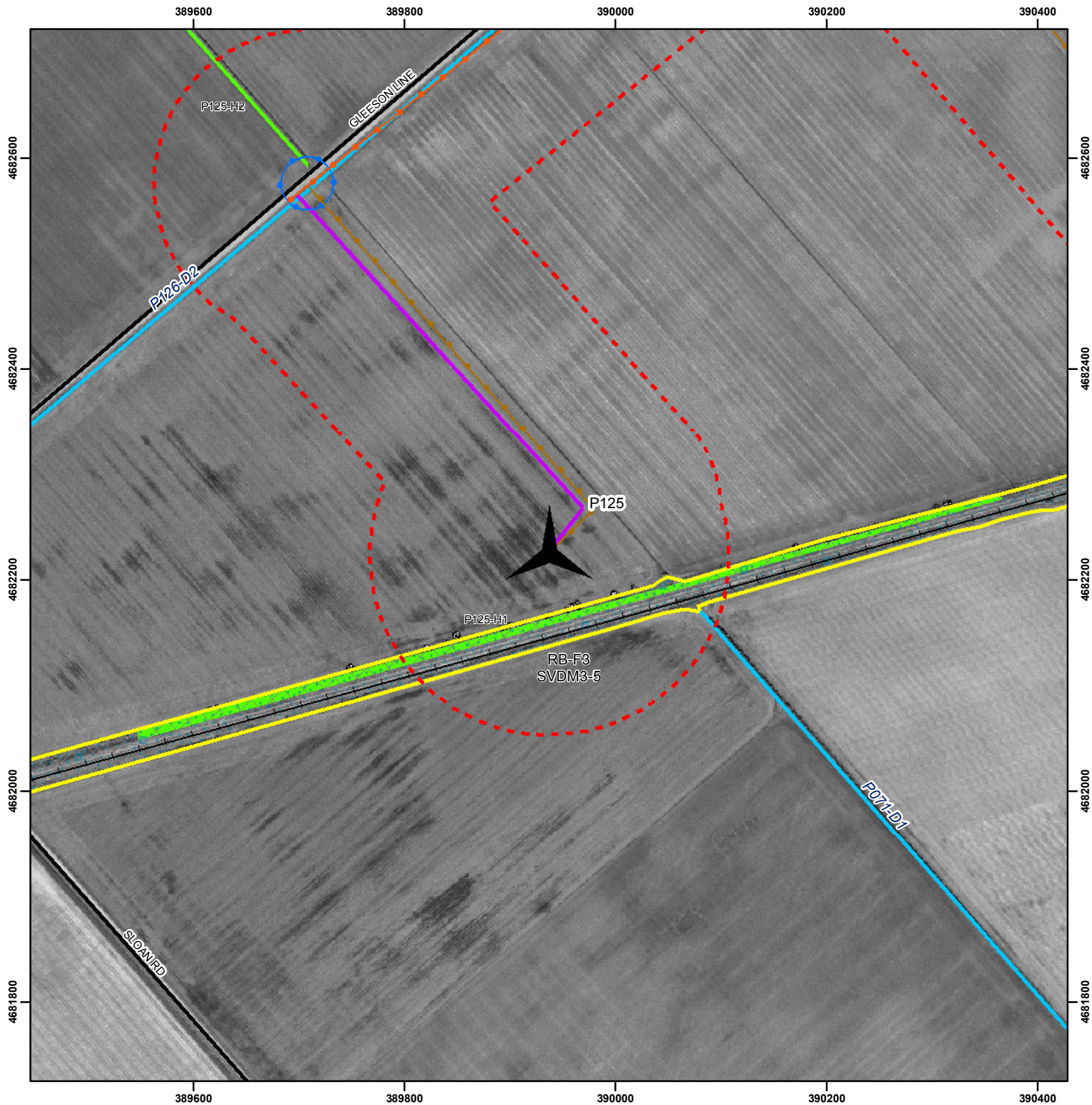
- 230kV Distribution Line
- Switch
- Wooded Area
- Waterbody
- Wetland Area
- Hedgerow
- Ecological Land Classification
- Important Bird Area
- Bat Maternity Roost

Habitat of Species of Conservation Concern

- Open Country Bird Breeding Habitat
- Habitat for Species Ranked S1-S3
- Area Sensitive Bird Breeding Habitat

Animal Movement Corridor

- Vegetated Drain Corridor
- Railbed Corridor



South Kent Wind Project Turbine No. P125



July 22, 2011
Project No: NRSI-1184
UTM Zone 17, NAD 83
Scale: 1:5,000 (at 8.5 X 11")



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Legend

- ▬ Project Area (July 21, 2011)
- ▲ Proposed Turbine (L012)
- ▲ Electrical Substation
- Access Road
- Railway
- Road
- Watercourse (Permanent)
- Watercourse (NRSI)
- Above Ground Cabling
- Underground Cabling
- 230kV Distribution Line
- Switch
- Wooded Area
- Waterbody
- Wetland Area
- Hedgerow
- Ecological Land Classification
- Important Bird Area
- Bat Maternity Roost

Habitat of Species of Conservation Concern

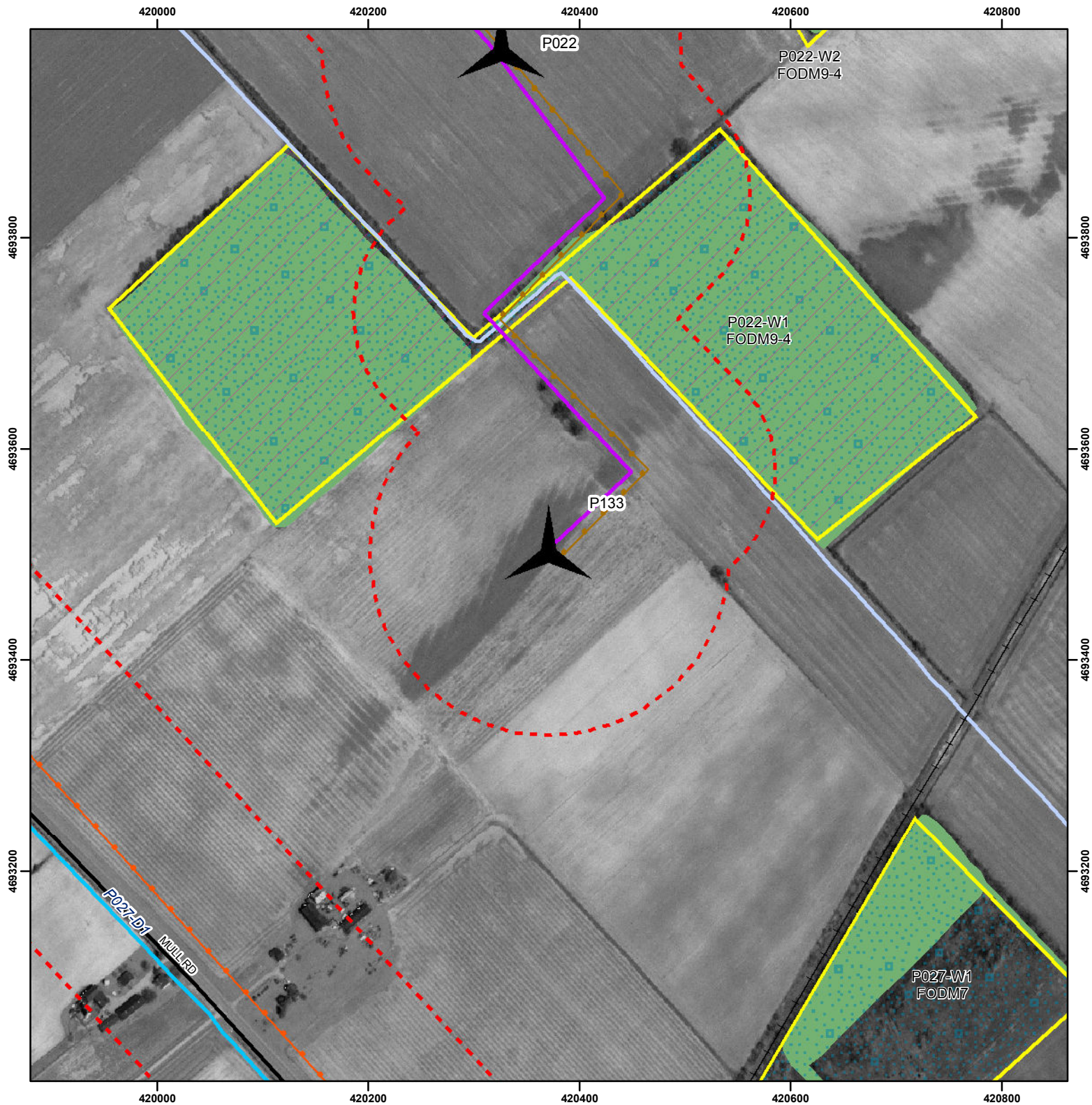
- Open Country Bird Breeding Habitat
- Habitat for Species Ranked S1-S3
- Area Sensitive Bird Breeding Habitat

Animal Movement Corridor

- Vegetated Drain Corridor
- Railbed Corridor

Seasonal Concentration Areas

- Bat Maternity Roost



South Kent Wind Project

Turbine No. P133



July 22, 2011
Project No: NRSI-1184
UTM Zone 17, NAD 83
Scale: 1:5,000 (at 8.5 X 11")



0 25 50 100 150 200 m

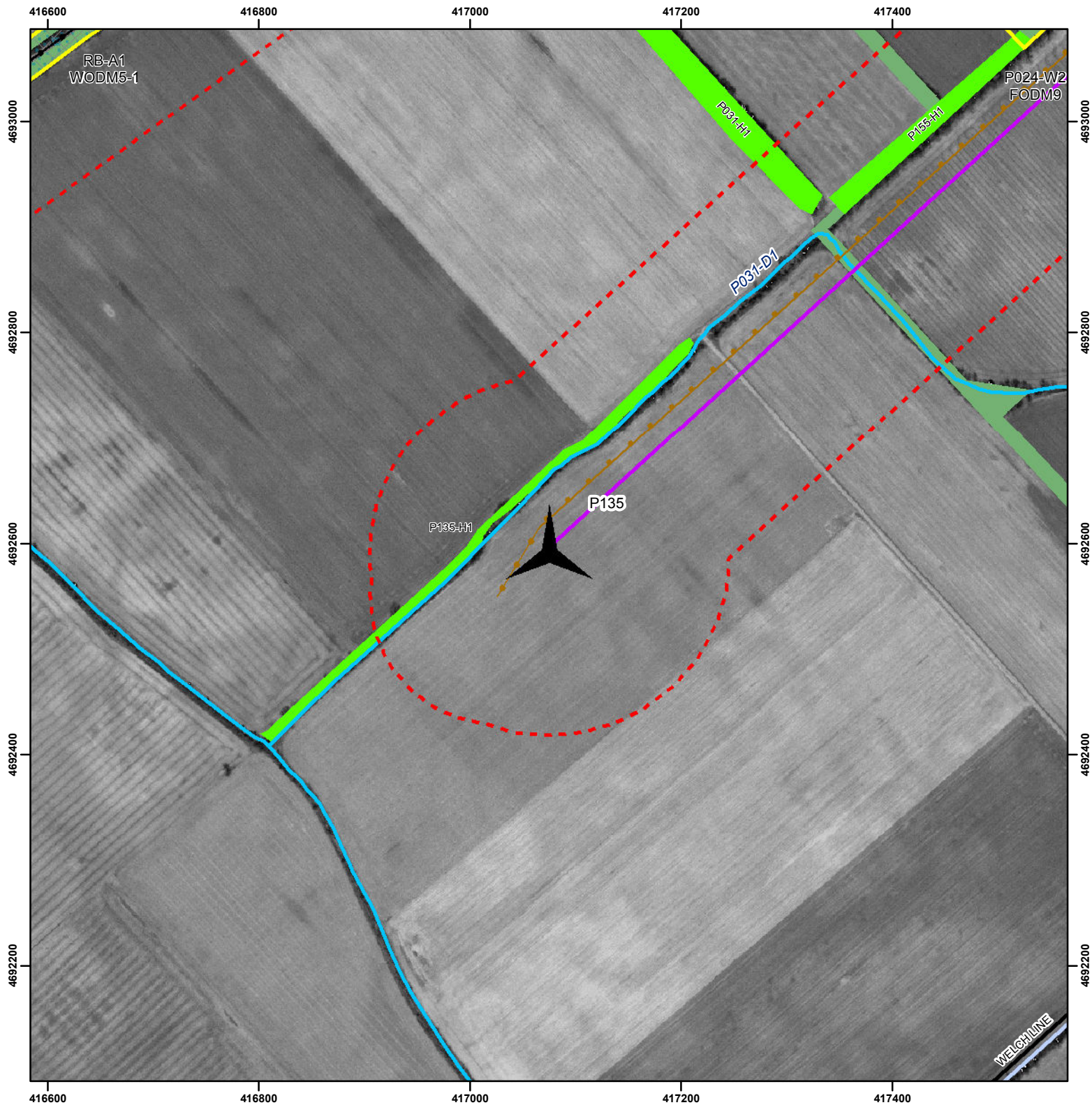
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Legend

- Project Area (July 21, 2011)
- Proposed Turbine (L012)
- Electrical Substation
- Access Road
- Railway
- Road
- Watercourse (Permanent)
- Watercourse (NRSI)
- Above Ground Cabling
- Underground Cabling

- 230kV Distribution Line
- Switch
- Wooded Area
- Waterbody
- Wetland Area
- Hedgerow
- Ecological Land Classification
- Important Bird Area
- Seasonal Concentration Areas
- Bat Maternity Roost

- Habitat of Species of Conservation Concern**
- Open Country Bird Breeding Habitat
- Habitat for Species Ranked S1-S3
- Area Sensitive Bird Breeding Habitat
- Animal Movement Corridor**
- Vegetated Drain Corridor
- Railbed Corridor



South Kent Wind Project Turbine No. P135



July 22, 2011
Project No: NRSI-1184
UTM Zone 17, NAD 83
Scale: 1:5,000 (at 8.5 X 11")



0 25 50 100 150 200 m

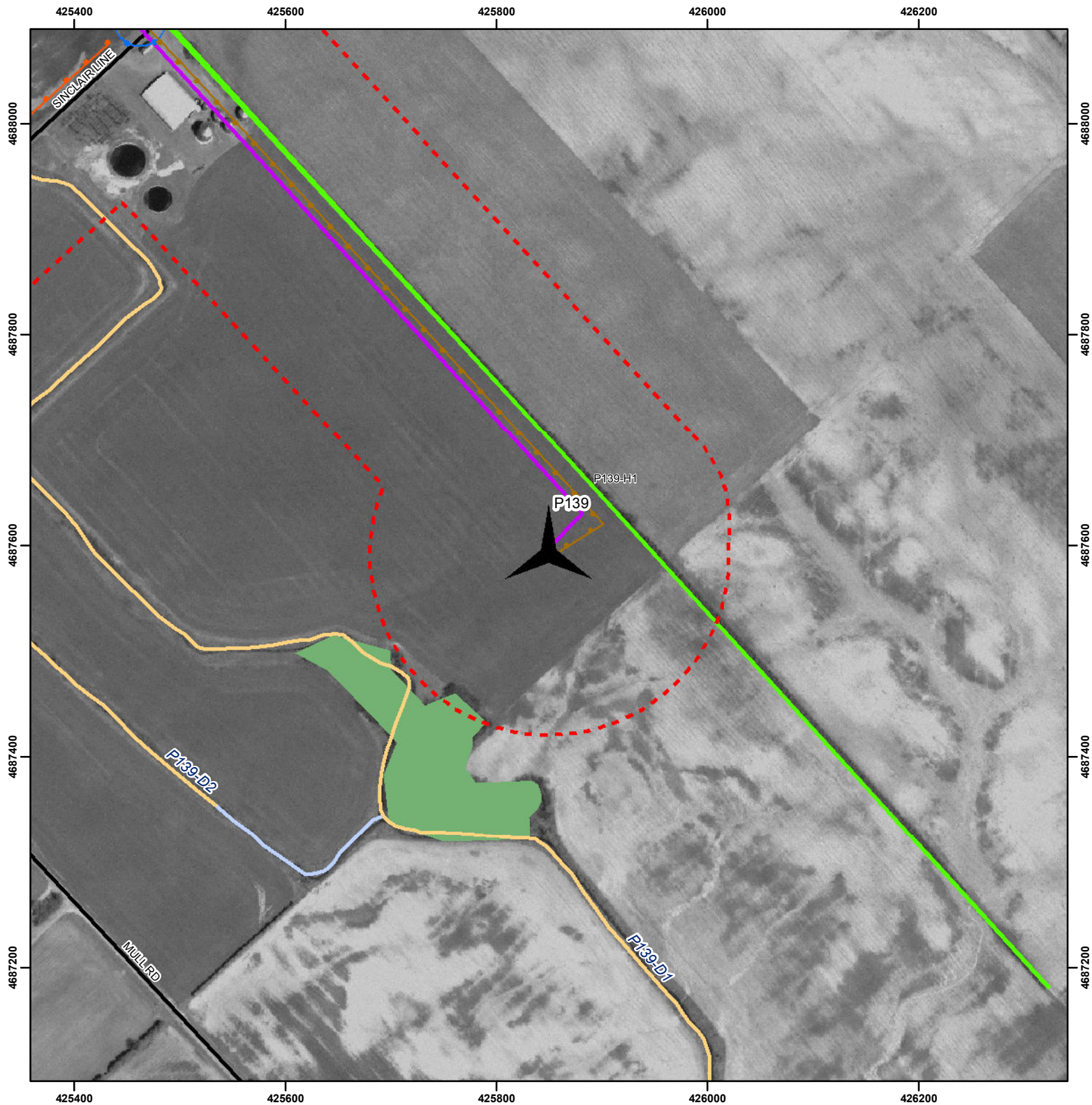
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Legend

- Project Area (July 21, 2011)
- Proposed Turbine (L012)
- Electrical Substation
- Access Road
- Railway
- Road
- Watercourse (Permanent)
- Watercourse (NRSI)
- Above Ground Cabling
- Underground Cabling

- 230kV Distribution Line
- Switch
- Wooded Area
- Waterbody
- Wetland Area
- Hedgerow
- Ecological Land Classification
- Important Bird Area
- Seasonal Concentration Areas
- Bat Maternity Roost

- Habitat of Species of Conservation Concern
- Open Country Bird Breeding Habitat
- Habitat for Species Ranked S1-S3
- Area Sensitive Bird Breeding Habitat
- Animal Movement Corridor
- Vegetated Drain Corridor
- Railbed Corridor



South Kent Wind Project

Turbine No. P139



July 22, 2011
Project No: NRSI-1184
UTM Zone 17, NAD 83
Scale: 1:5,000 (at 8.5 X 11")



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Legend

- Project Area (July 21, 2011)
- Proposed Turbine (L012)
- Electrical Substation
- Access Road
- Railway
- Road
- Watercourse (Permanent)
- Watercourse (NRSI)
- Above Ground Cabling
- Underground Cabling
- 230kV Distribution Line
- Switch
- Wooded Area
- Waterbody
- Wetland Area
- Hedgerow
- Ecological Land Classification
- Important Bird Area
- Seasonal Concentration Areas
- Bat Maternity Roost

Habitat of Species of Conservation Concern

- Open Country Bird Breeding Habitat
- Habitat for Species Ranked S1-S3
- Area Sensitive Bird Breeding Habitat

Animal Movement Corridor

- Vegetated Drain Corridor
- Railbed Corridor



South Kent Wind Project

Turbine No. P140



July 22, 2011
Project No: NRSI-1184
UTM Zone 17, NAD 83
Scale: 1:5,000 (at 8.5 X 11")



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Legend

- [Red dashed line] Project Area (July 21, 2011)
- [Black star] Proposed Turbine (L012)
- [Yellow triangle] Electrical Substation
- [Purple line] Access Road
- [Black line with cross-ticks] Railway
- [Black line] Road
- [Blue line] Watercourse (Permanent)
- [Cyan line] Watercourse (NRSI)
- [Orange line] Above Ground Cabling
- [Brown line] Underground Cabling
- [Black line] 230kV Distribution Line
- [Blue dot] Switch
- [Green box] Wooded Area
- [Light blue box] Waterbody
- [Light green box] Wetland Area
- [Lime green box] Hedgerow
- [Yellow box] Ecological Land Classification
- [Red dotted box] Important Bird Area
- [Orange box] Bat Maternity Roost

Habitat of Species of Conservation Concern

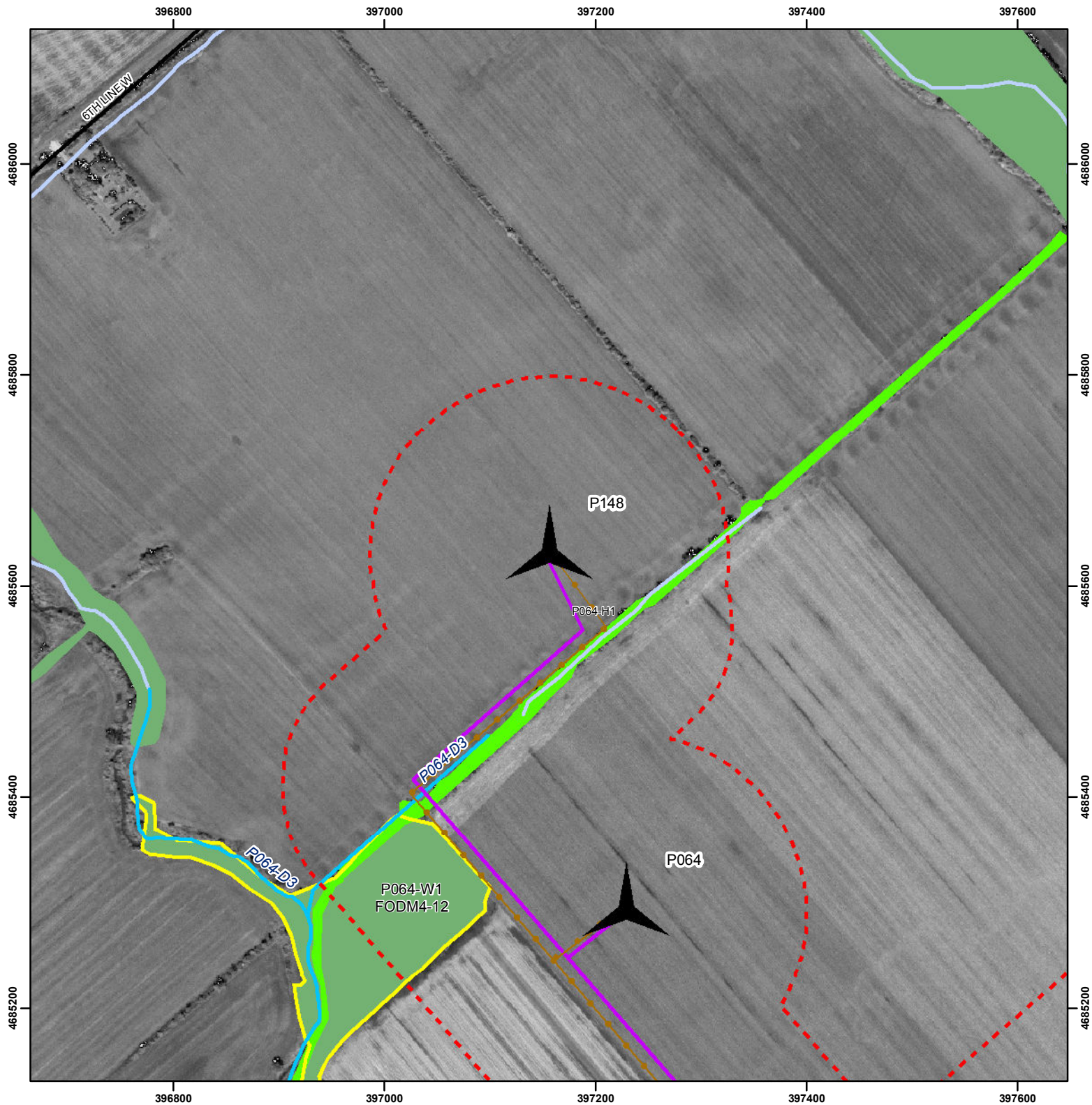
- [Pink dotted box] Open Country Bird Breeding Habitat
- [Light blue dotted box] Habitat for Species Ranked S1-S3
- [Pink box with cross-hatch] Area Sensitive Bird Breeding Habitat

Animal Movement Corridor

- [Orange line] Vegetated Drain Corridor
- [Black box with cross-hatch] Railbed Corridor

Seasonal Concentration Areas

- [Orange box] Bat Maternity Roost



South Kent Wind Project

Turbine No. P148



July 22, 2011
Project No: NRSI-1184
UTM Zone 17, NAD 83
Scale: 1:5,000 (at 8.5 X 11")



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Legend

- Project Area (July 21, 2011)
- Proposed Turbine (L012)
- Electrical Substation
- Access Road
- Railway
- Road
- Watercourse (Permanent)
- Watercourse (NRSI)
- Above Ground Cabling
- Underground Cabling

- 230kV Distribution Line
- Switch
- Wooded Area
- Waterbody
- Wetland Area
- Hedgerow
- Ecological Land Classification
- Important Bird Area
- Bat Maternity Roost

Habitat of Species of Conservation Concern

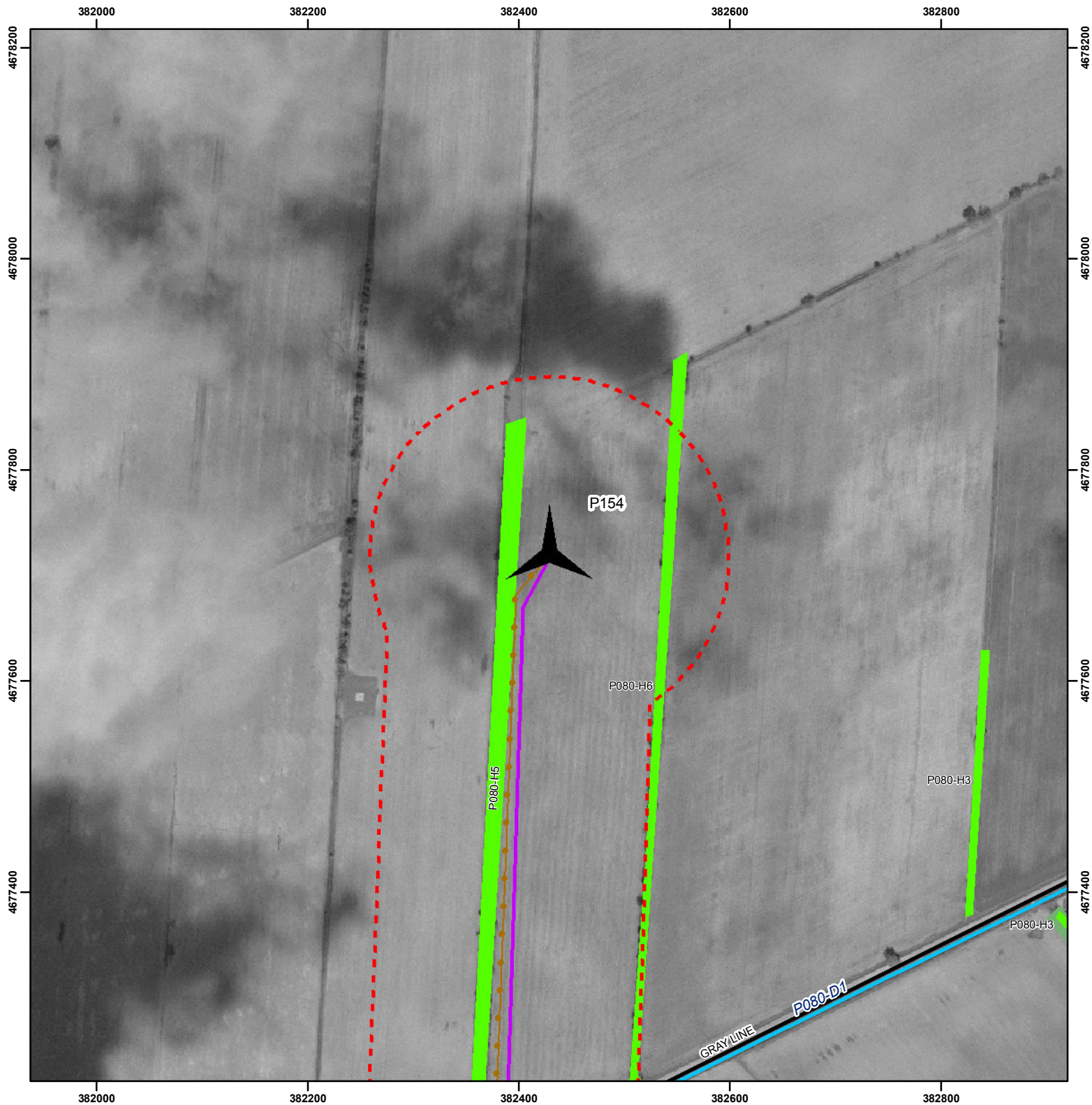
- Open Country Bird Breeding Habitat
- Habitat for Species Ranked S1-S3
- Area Sensitive Bird Breeding Habitat

Animal Movement Corridor

- Vegetated Drain Corridor
- Railbed Corridor

Seasonal Concentration Areas

- Bat Maternity Roost



South Kent Wind Project

Turbine No. P154



July 22, 2011
Project No: NRSI-1184
UTM Zone 17, NAD 83
Scale: 1:5,000 (at 8.5 X 11")



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Legend

- Project Area (July 21, 2011)
- Proposed Turbine (L012)
- Electrical Substation
- Access Road
- Railway
- Road
- Watercourse (Permanent)
- Watercourse (NRSI)
- Above Ground Cabling
- Underground Cabling

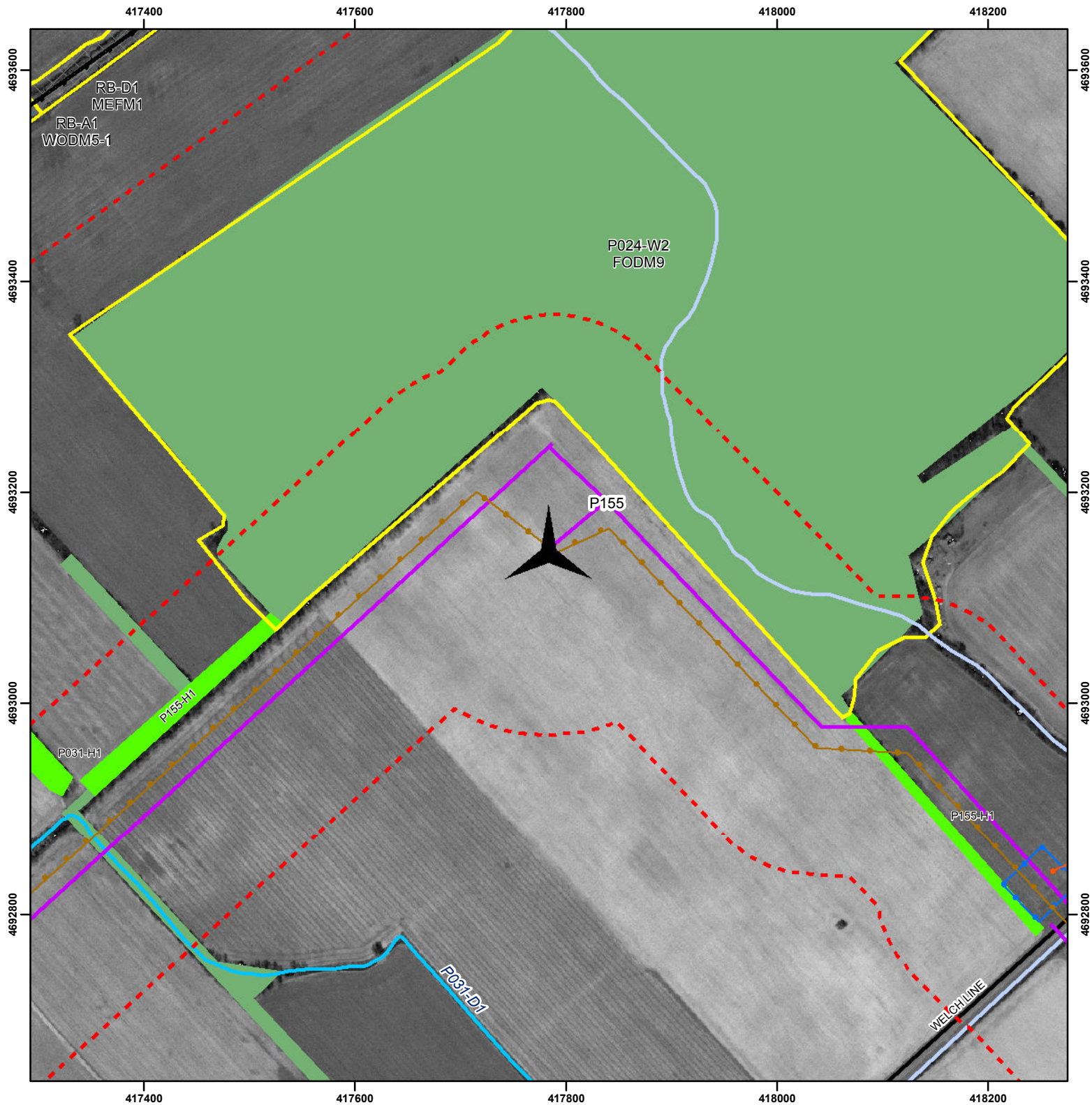
- 230kV Distribution Line
- Switch
- Wooded Area
- Waterbody
- Wetland Area
- Hedgerow
- Ecological Land Classification
- Important Bird Area
- Bat Maternity Roost

Habitat of Species of Conservation Concern

- Open Country Bird Breeding Habitat
- Habitat for Species Ranked S1-S3
- Area Sensitive Bird Breeding Habitat

Animal Movement Corridor

- Vegetated Drain Corridor
- Railbed Corridor



South Kent Wind Project

Turbine No. P155



July 22, 2011
Project No: NRSI-1184
UTM Zone 17, NAD 83
Scale: 1:5,000 (at 8.5 X 11")



0 25 50 100 150 200 m

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Legend

- Project Area (July 21, 2011)
- Proposed Turbine (L012)
- Electrical Substation
- Access Road
- Railway
- Road
- Watercourse (Permanent)
- Watercourse (NRSI)
- Above Ground Cabling
- Underground Cabling
- 230kV Distribution Line
- Switch
- Wooded Area
- Waterbody
- Wetland Area
- Hedgerow
- Ecological Land Classification
- Important Bird Area

Habitat of Species of Conservation Concern

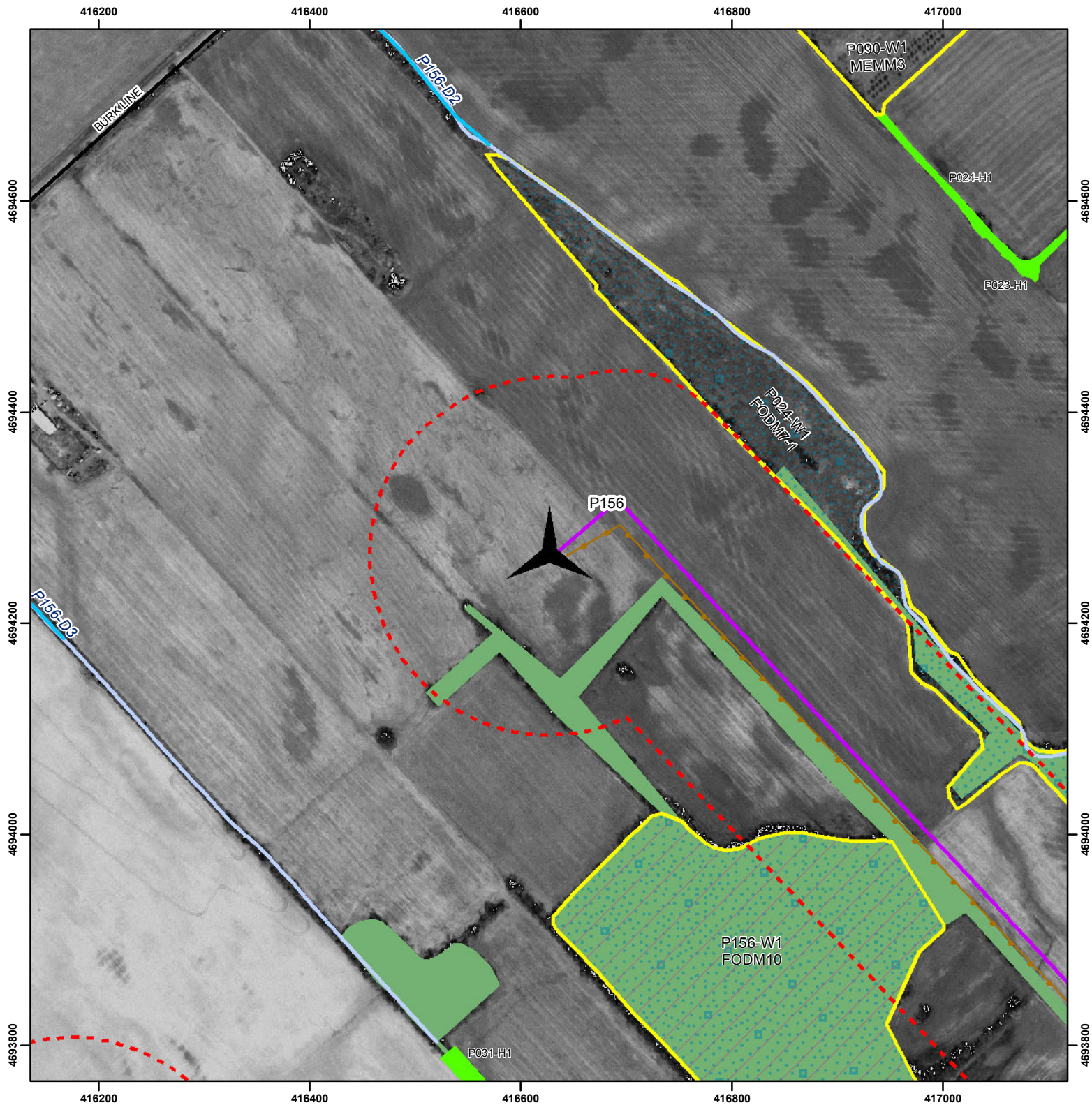
- Open Country Bird Breeding Habitat
- Habitat for Species Ranked S1-S3
- Area Sensitive Bird Breeding Habitat

Animal Movement Corridor

- Vegetated Drain Corridor
- Railbed Corridor

Seasonal Concentration Areas

- Bat Maternity Roost



South Kent Wind Project Turbine No. P156

NATURAL RESOURCE SOLUTIONS INC.
 Aquatic, Terrestrial and Wetland Biologists

July 22, 2011
 Project No: NRSI-1184
 UTM Zone 17, NAD 83
 Scale: 1:5,000 (at 8.5 X 11")



0 25 50 100 150 200 m

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Legend

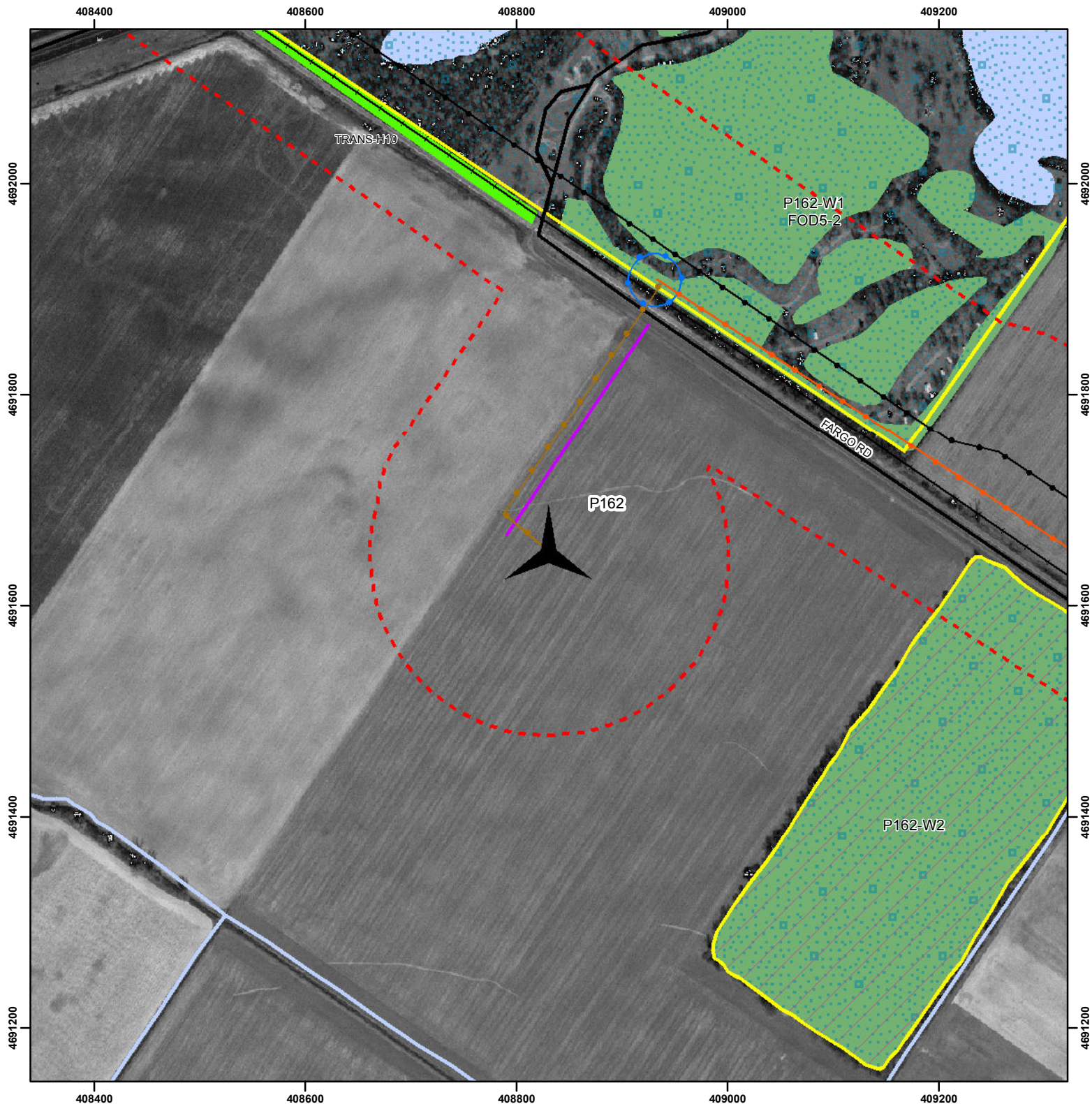
- Project Area (July 21, 2011)
- Proposed Turbine (L012)
- Electrical Substation
- Access Road
- Railway
- Road
- Watercourse (Permanent)
- Watercourse (NRSI)
- Above Ground Cabling
- Underground Cabling
- 230kV Distribution Line
- Switch
- Wooded Area
- Waterbody
- Wetland Area
- Hedgerow
- Ecological Land Classification
- Important Bird Area
- Seasonal Concentration Areas
- Bat Maternity Roost

Habitat of Species of Conservation Concern

- Open Country Bird Breeding Habitat
- Habitat for Species Ranked S1-S3
- Area Sensitive Bird Breeding Habitat

Animal Movement Corridor

- Vegetated Drain Corridor
- Railbed Corridor



South Kent Wind Project

Turbine No. P162



July 22, 2011
Project No: NRSI-1184
UTM Zone 17, NAD 83
Scale: 1:5,000 (at 8.5 X 11")



0 25 50 100 150 200 m

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Legend

- Project Area (July 21, 2011)
- Proposed Turbine (L012)
- Electrical Substation
- Access Road
- Railway
- Road
- Watercourse (Permanent)
- Watercourse (NRSI)
- Above Ground Cabling
- Underground Cabling

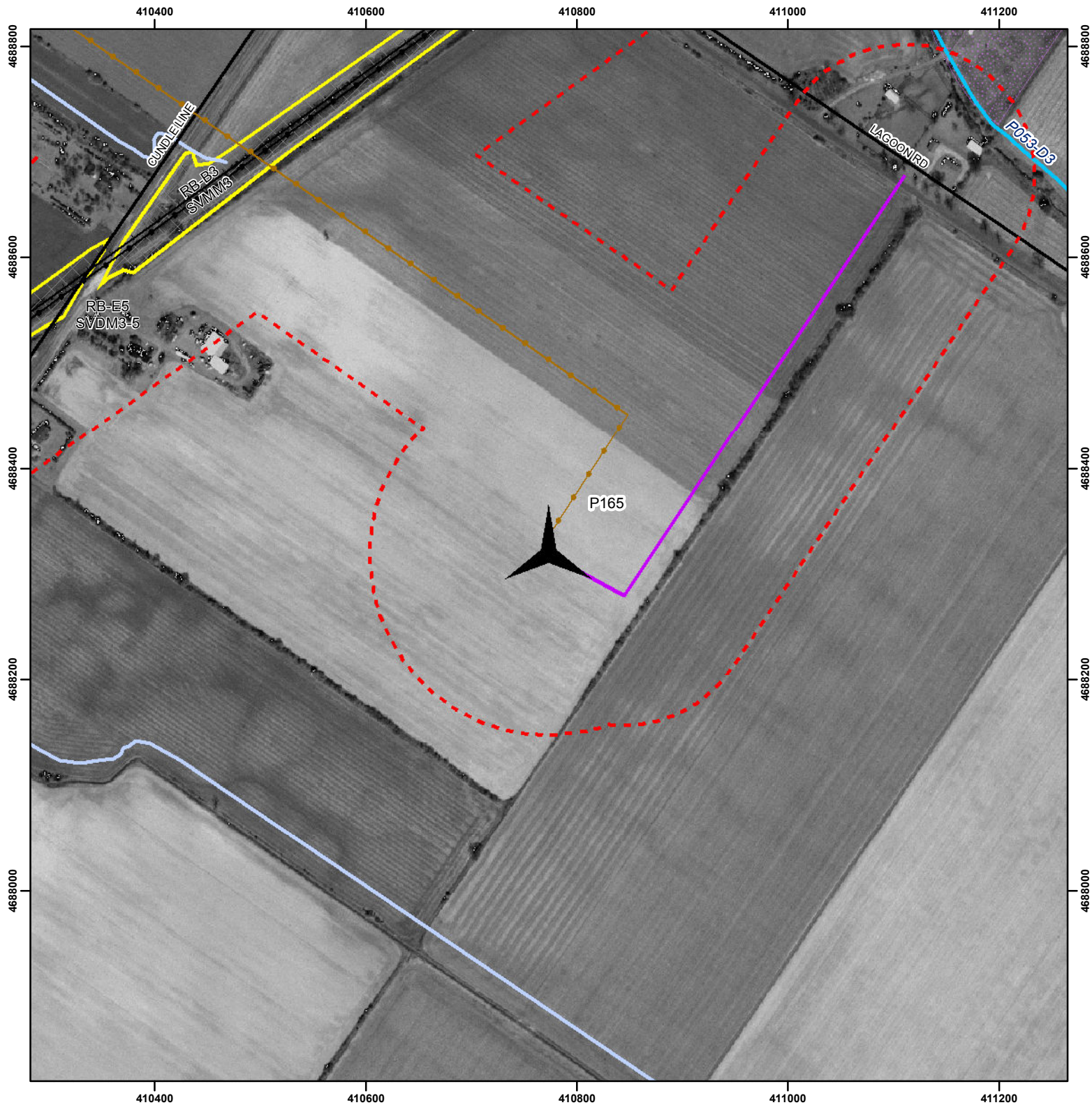
- 230kV Distribution Line
- Switch
- Wooded Area
- Waterbody
- Wetland Area
- Hedgerow
- Ecological Land Classification
- Important Bird Area
- Seasonal Concentration Areas
- Bat Maternity Roost

Habitat of Species of Conservation Concern

- Open Country Bird Breeding Habitat
- Habitat for Species Ranked S1-S3
- Area Sensitive Bird Breeding Habitat

Animal Movement Corridor

- Vegetated Drain Corridor
- Railbed Corridor



South Kent Wind Project

Turbine No. P165



July 22, 2011
Project No: NRSI-1184
UTM Zone 17, NAD 83
Scale: 1:5,000 (at 8.5 X 11")



0 25 50 100 150 200 m

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Legend

- Project Area (July 21, 2011)
- Proposed Turbine (L012)
- Electrical Substation
- Access Road
- Railway
- Road
- Watercourse (Permanent)
- Watercourse (NRSI)
- Above Ground Cabling
- Underground Cabling
- 230kV Distribution Line
- Switch
- Wooded Area
- Waterbody
- Wetland Area
- Hedgerow
- Ecological Land Classification
- Important Bird Area
- Bat Maternity Roost

Habitat of Species of Conservation Concern

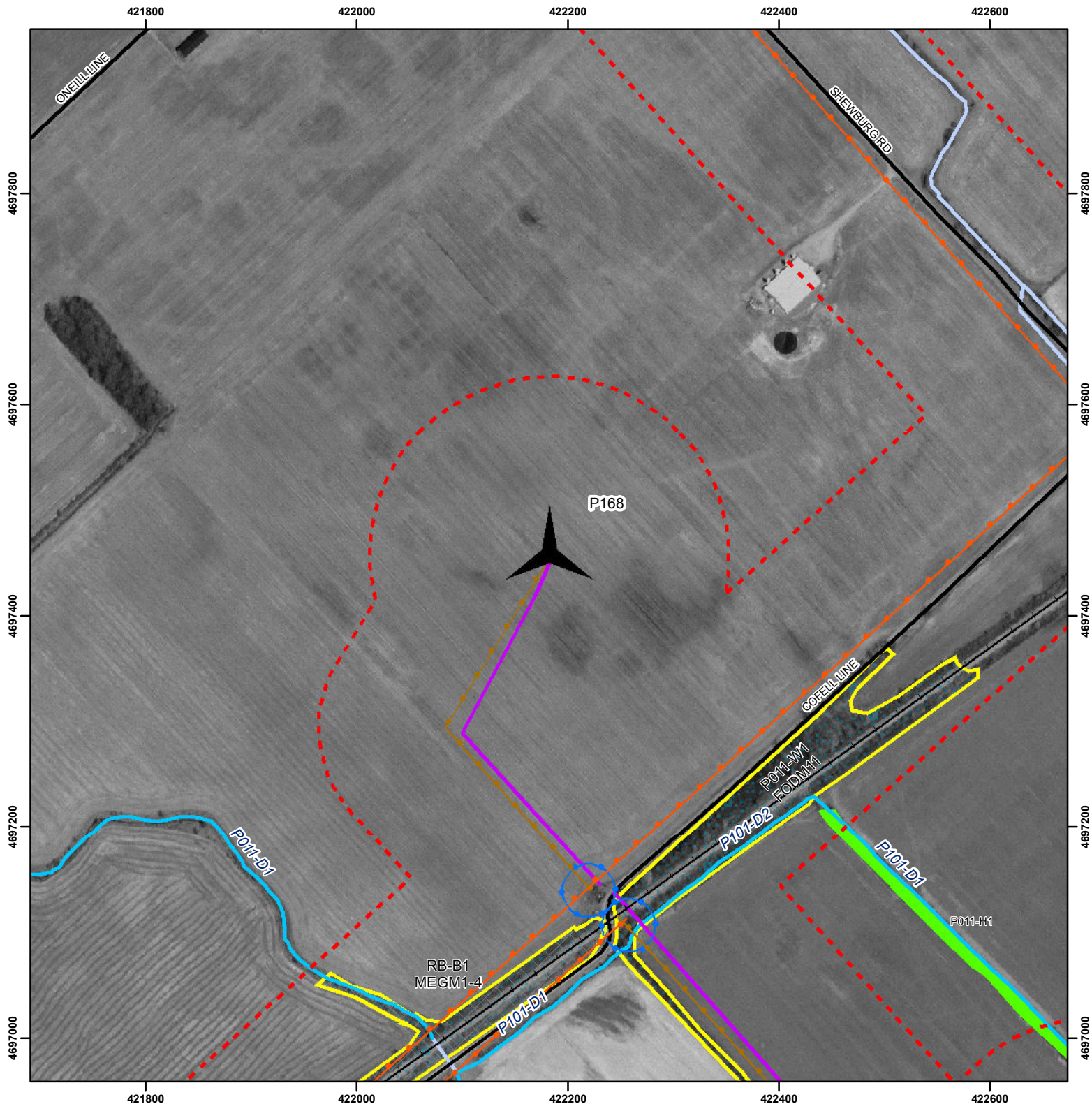
- Open Country Bird Breeding Habitat
- Habitat for Species Ranked S1-S3
- Area Sensitive Bird Breeding Habitat

Animal Movement Corridor

- Vegetated Drain Corridor
- Railbed Corridor

Seasonal Concentration Areas

- Bat Maternity Roost



South Kent Wind Project

Turbine No. P168



July 22, 2011
Project No: NRSI-1184
UTM Zone 17, NAD 83
Scale: 1:5,000 (at 8.5 X 11")



0 25 50 100 150 200 m

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Legend

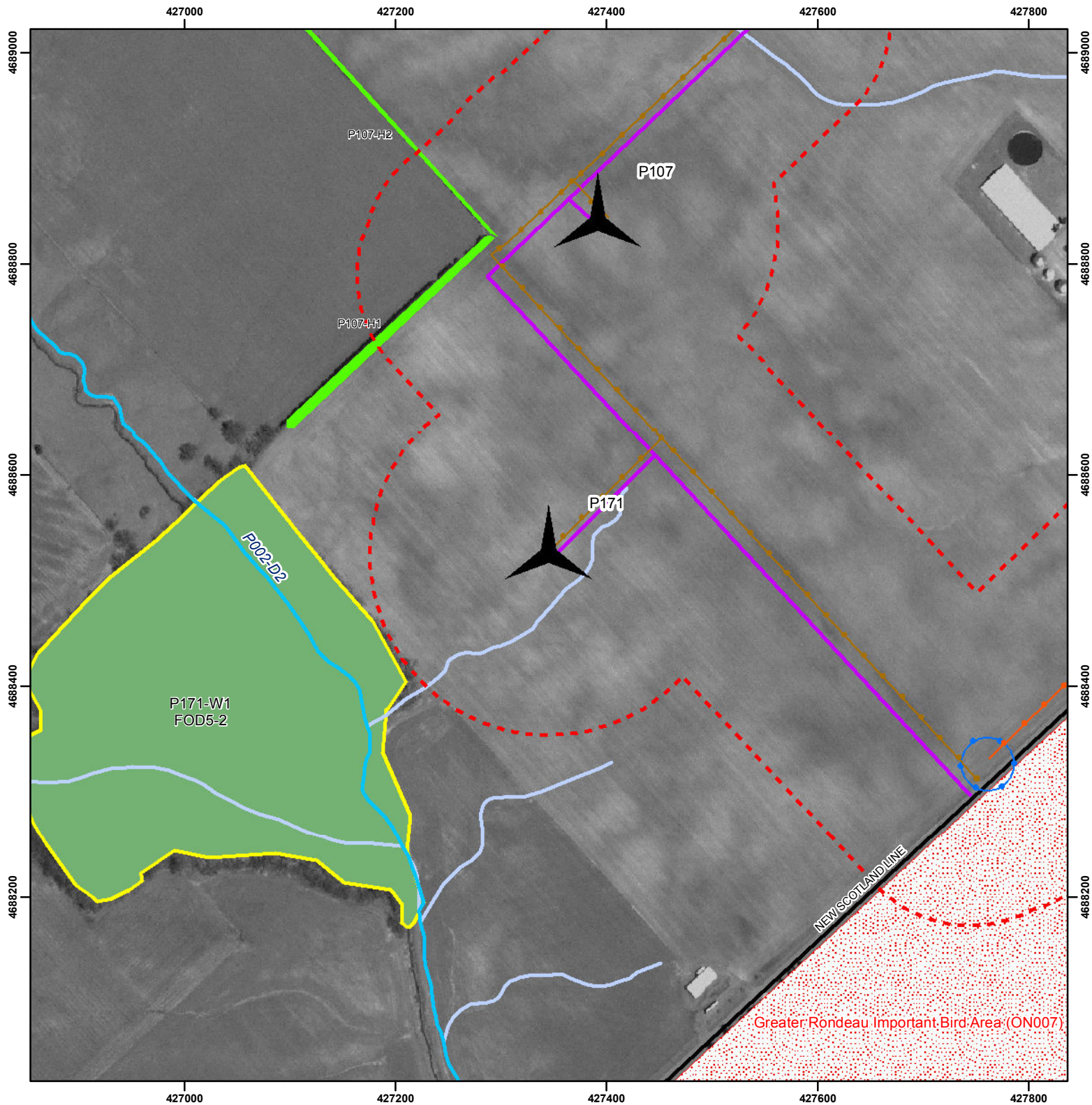
- Project Area (July 21, 2011)
- Proposed Turbine (L012)
- Electrical Substation
- Access Road
- Railway
- Road
- Watercourse (Permanent)
- Watercourse (NRSI)
- Above Ground Cabling
- Underground Cabling
- 230kV Distribution Line
- Switch
- Wooded Area
- Waterbody
- Wetland Area
- Hedgerow
- Ecological Land Classification
- Important Bird Area
- Seasonal Concentration Areas
- Bat Maternity Roost

Habitat of Species of Conservation Concern

- Open Country Bird Breeding Habitat
- Habitat for Species Ranked S1-S3
- Area Sensitive Bird Breeding Habitat

Animal Movement Corridor

- Vegetated Drain Corridor
- Railbed Corridor



South Kent Wind Project

Turbine No. P171



July 22, 2011
Project No: NRSI-1184
UTM Zone 17, NAD 83
Scale: 1:5,000 (at 8.5 X 11")



0 25 50 100 150 200 m

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Legend

- Project Area (July 21, 2011)
- ★ Proposed Turbine (L012)
- ▲ Electrical Substation
- Access Road
- Railway
- Road
- Watercourse (Permanent)
- Watercourse (NRSI)
- Above Ground Cabling
- Underground Cabling

- 230kV Distribution Line
- Switch
- Wooded Area
- Waterbody
- Wetland Area
- Hedgerow
- Ecological Land Classification
- Important Bird Area
- Seasonal Concentration Areas
- Bat Maternity Roost

Habitat of Species of Conservation Concern

- Open Country Bird Breeding Habitat
- Habitat for Species Ranked S1-S3
- Area Sensitive Bird Breeding Habitat

Animal Movement Corridor

- Vegetated Drain Corridor
- Railbed Corridor

Appendix II

Significant Natural Features - Transmission Corridor Maps

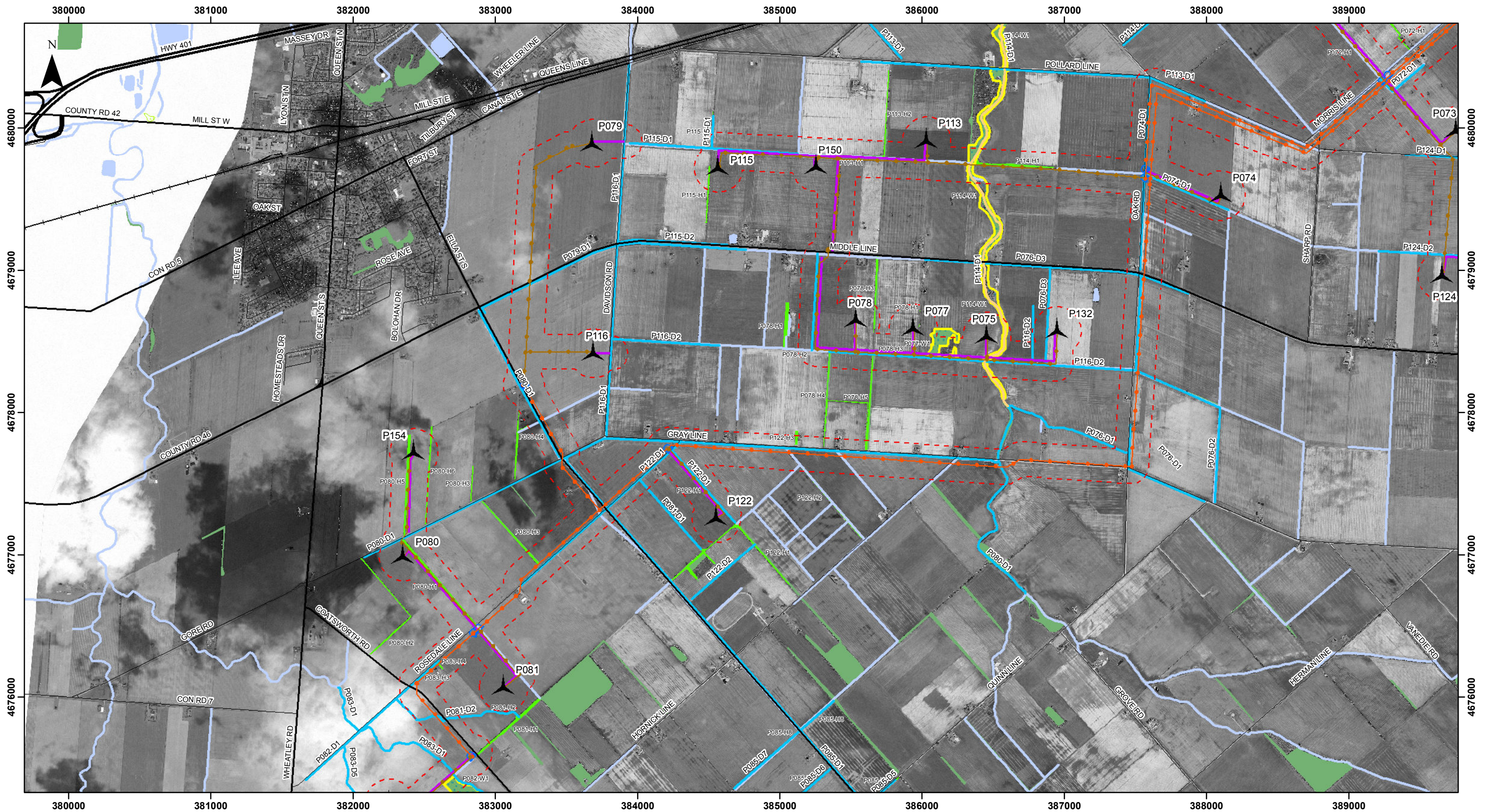


Figure 1
South Kent Wind Project
Significant Wildlife Habitat - Transmission Corridor



0 0.15 0.3 0.6 km
 July 22, 2011
 Project No: NRSI-1184
 UTM Zone 17, NAD 83
 Scale: 1:25,000 (at 11x17")

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Legend

- Project Area (July 21, 2011) - Proposed Turbine (L012) - Electrical Substation - Access Road - Railway - Highway	- Primary Road - Secondary Road - Watercourse (Permanent) - Watercourse (NRSI) - Above Ground Cabling - Underground Cabling	230kV Distribution Line - Switch - Wooded Area - Waterbody - Wetland Area - Hedgerow	- Ecological Land Classification - Important Bird Area - Seasonal Concentration Areas - Bat Maternity Roost - Habitat of Species of Conservation Concern - Open Country Bird Breeding Habitat - Habitat for Species Ranked S1-S3	- Area Sensitive Bird Breeding Habitat - Animal Movement Corridor - Vegetated Drain Corridor - Railbed Corridor
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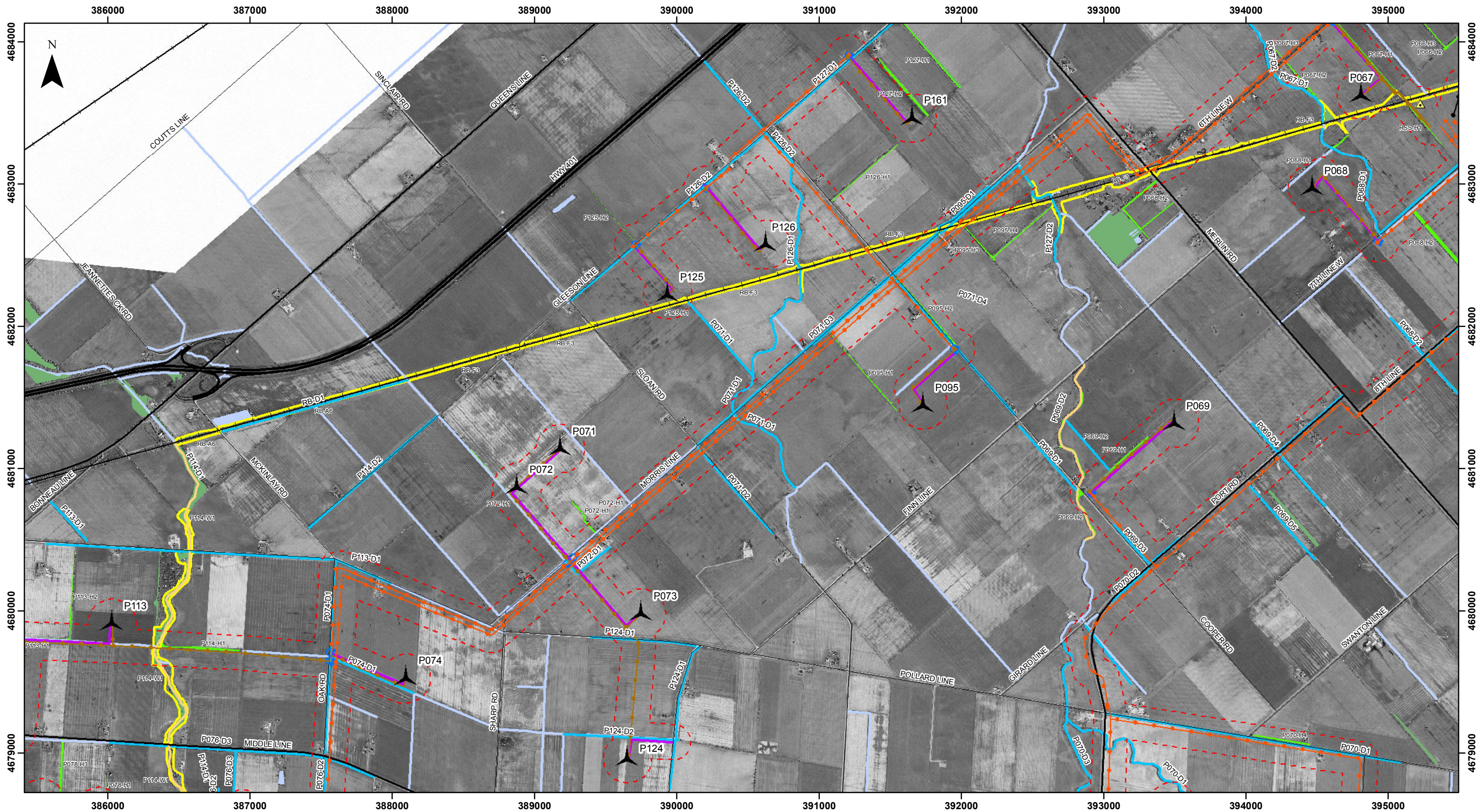


Figure 2
South Kent Wind Project
Significant Wildlife Habitat - Transmission Corridor

NATURAL RESOURCE SOLUTIONS INC.
 Aquatic, Terrestrial and Wetland Biologists

0 0.15 0.3 0.6 km

July 22, 2011
 Project No: NRSI-1184
 UTM Zone 17, NAD 83
 Scale: 1:25,000 (at 11x17")

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Legend

- | | | | | |
|------------------------------|-------------------------|-------------------------|--|--------------------------------------|
| Project Area (July 21, 2011) | Primary Road | 230kV Distribution Line | Ecological Land Classification | Area Sensitive Bird Breeding Habitat |
| Proposed Turbine (L012) | Secondary Road | Switch | Important Bird Area | Animal Movement Corridor |
| Electrical Substation | Watercourse (Permanent) | Wooded Area | Bat Maternity Roost | Vegetated Drain Corridor |
| Access Road | Watercourse (NRSI) | Waterbody | Seasonal Concentration Areas | Railbed Corridor |
| Railway | Above Ground Cabling | Wetland Area | Habitat of Species of Conservation Concern | |
| Highway | Underground Cabling | Hedgerow | Open Country Bird Breeding Habitat | |
| | | | Habitat for Species Ranked S1-S3 | |

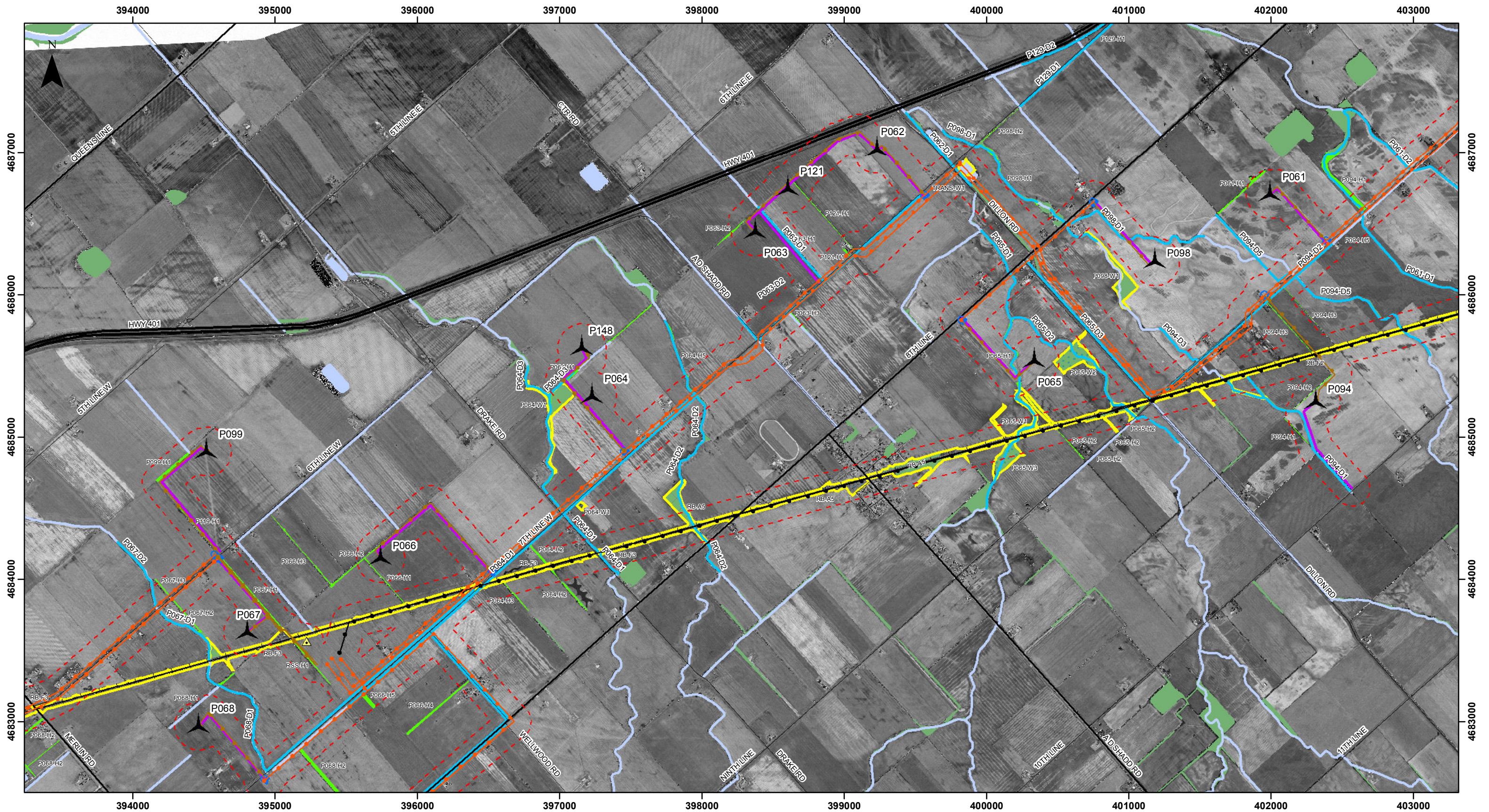


Figure 3
South Kent Wind Project
Significant Wildlife Habitat - Transmission Corridor

NATURAL RESOURCE SOLUTIONS INC.
 Aquatic, Terrestrial and Wetland Biologists

0 0.15 0.3 0.6 km

July 22, 2011
 Project No: NRSI-1184
 UTM Zone 17, NAD 83
 Scale: 1:25,000 (at 11x17")

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Legend

- | | | | | |
|------------------------------|-------------------------|-------------------------|--|--------------------------------------|
| Project Area (July 21, 2011) | Primary Road | 230kV Distribution Line | Ecological Land Classification | Area Sensitive Bird Breeding Habitat |
| Proposed Turbine (L012) | Secondary Road | Switch | Important Bird Area | Animal Movement Corridor |
| Electrical Substation | Watercourse (Permanent) | Wooded Area | Bat Maternity Roost | Vegetated Drain Corridor |
| Access Road | Watercourse (NRSI) | Waterbody | Seasonal Concentration Areas | Railbed Corridor |
| Railway | Above Ground Cabling | Wetland Area | Habitat of Species of Conservation Concern | |
| Highway | Underground Cabling | Hedgerow | Open Country Bird Breeding Habitat | |
| | | | Habitat for Species Ranked S1-S3 | |

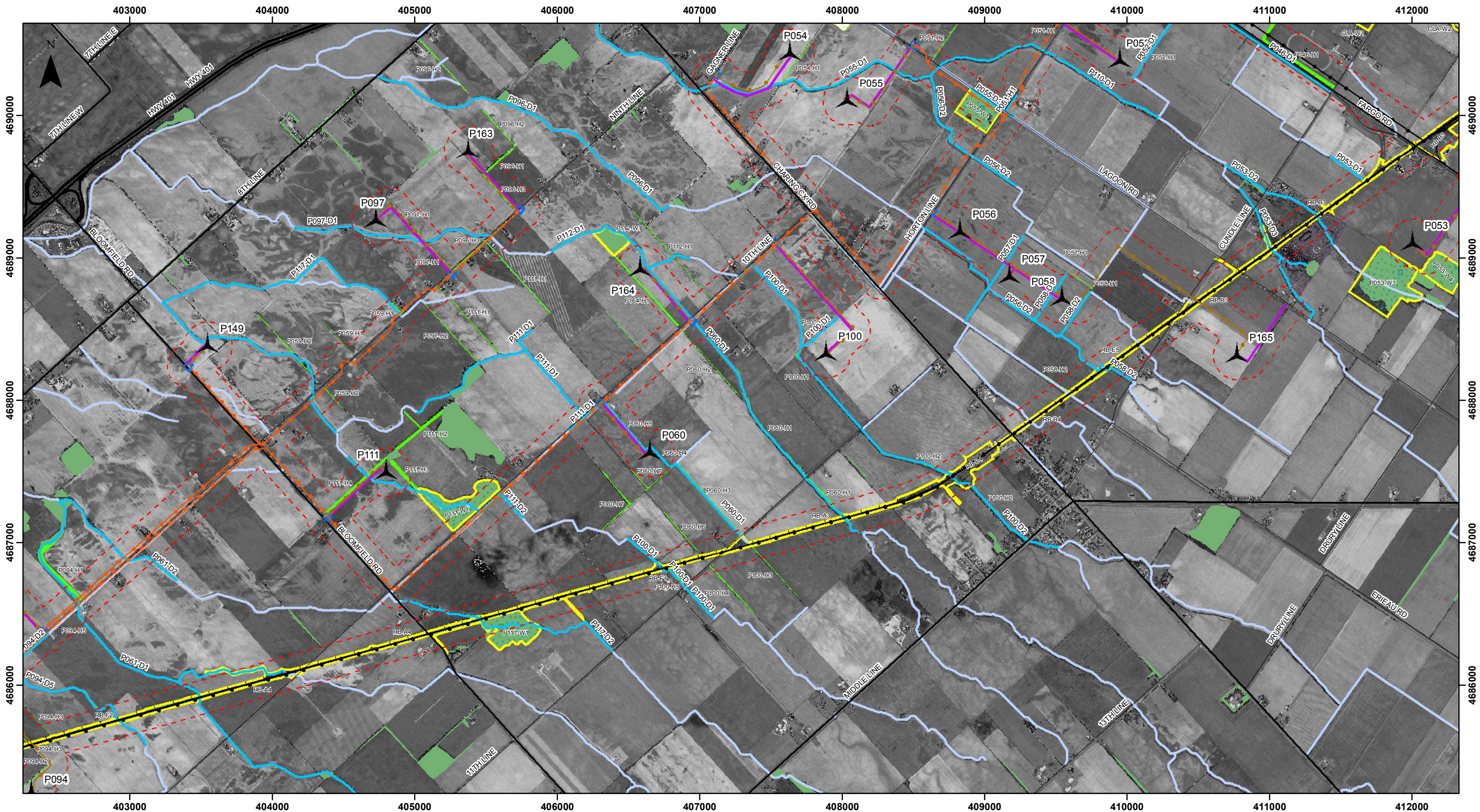


Figure 4
South Kent Wind Project
Significant Wildlife Habitat - Transmission Corridor

NATURAL RESOURCE SOLUTIONS INC.
 Aquatic, Terrestrial and Wetland Biologists

0 0.15 0.3 0.6 km
 July 22, 2011
 Project No: NRSI-1184
 UTM Zone 17, NAD 83
 Scale: 1:25,000 (at 11x17")
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 Aerial Photos: © DigitalGlobe, 2010

- Legend**
- Project Area (July 21, 2011)
 - Proposed Turbine (L012)
 - Electrical Substation
 - Access Road
 - Railway
 - Highway
 - Primary Road
 - Secondary Road
 - Watercourse (Permanent)
 - Watercourse (NRSI)
 - Above Ground Cabling
 - Underground Cabling
 - 230kV Distribution Line
 - Switch
 - Wooded Area
 - Waterbody
 - Wetland Area
 - Hedgerow
 - Ecological Land Classification
 - Important Bird Area
 - Seasonal Concentration Areas
 - Bat Maternity Roost
 - Habitat of Species of Conservation Concern
 - Open Country Bird Breeding Habitat
 - Habitat for Species Ranked S1-S3
 - Area Sensitive Bird Breeding Habitat
 - Animal Movement Corridor
 - Vegetated Drain Corridor
 - Railbed Corridor

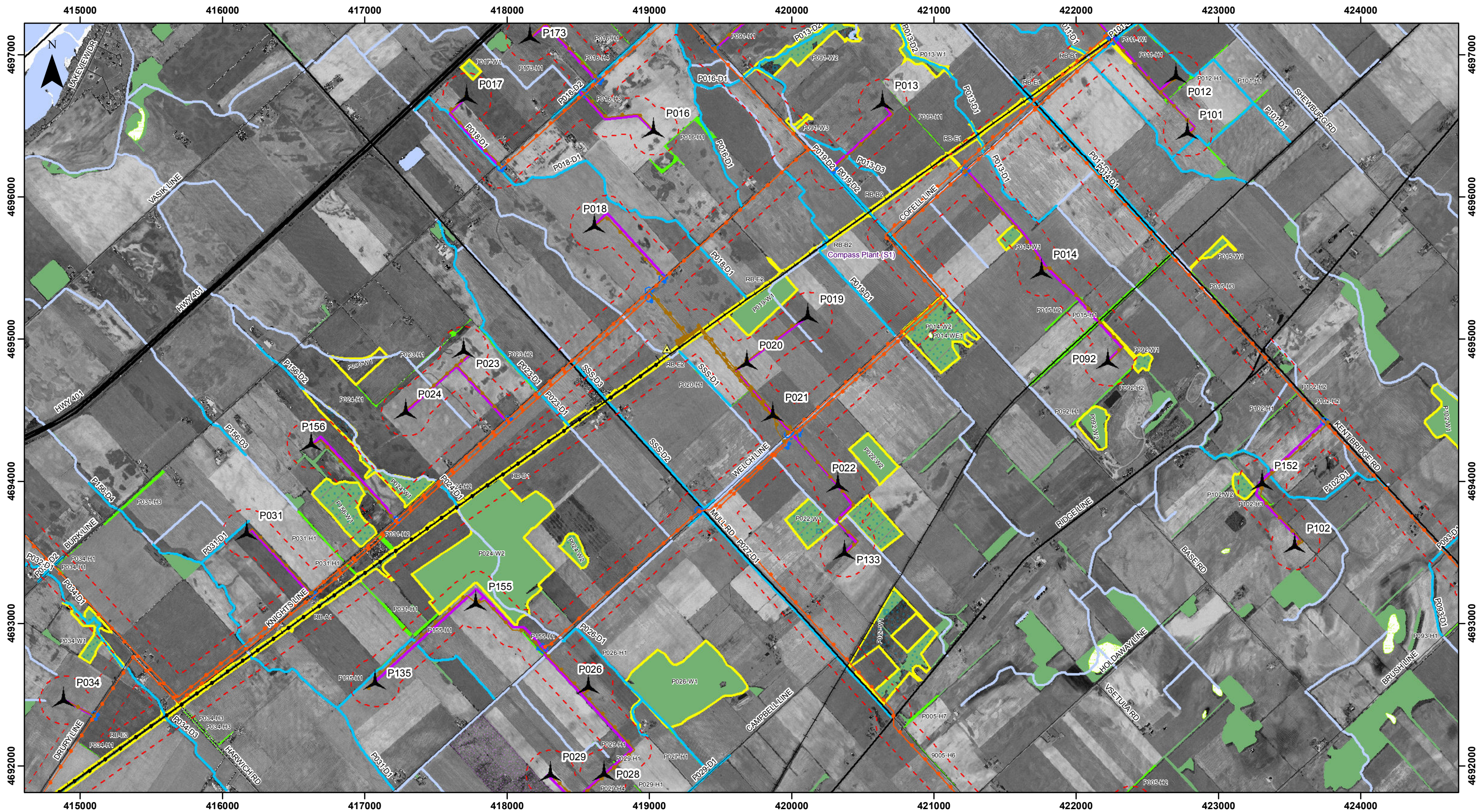


Figure 6
South Kent Wind Project
Significant Wildlife Habitat - Transmission Corridor

NATURAL RESOURCE SOLUTIONS INC.
 Aquatic, Terrestrial and Wetland Biologists

0 0.15 0.3 0.6 km
 July 22, 2011
 Project No: NRSI-1184
 UTM Zone 17, NAD 83
 Scale: 1:25,000 (at 11x17")

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Legend

- | | | | | |
|---|--|---|--|--|
| <ul style="list-style-type: none"> Project Area (July 21, 2011) Proposed Turbine (L012) Electrical Substation Access Road Railway Highway | <ul style="list-style-type: none"> Primary Road Secondary Road Watercourse (Permanent) Watercourse (NRSI) Above Ground Cabling Underground Cabling | <ul style="list-style-type: none"> 230kV Distribution Line Switch Wooded Area Waterbody Wetland Area Hedgerow | <ul style="list-style-type: none"> Ecological Land Classification Important Bird Area Bat Maternity Roost Open Country Bird Breeding Habitat Habitat for Species Ranked S1-S3 | <ul style="list-style-type: none"> Area Sensitive Bird Breeding Habitat Animal Movement Corridor Vegetated Drain Corridor Railbed Corridor |
|---|--|---|--|--|

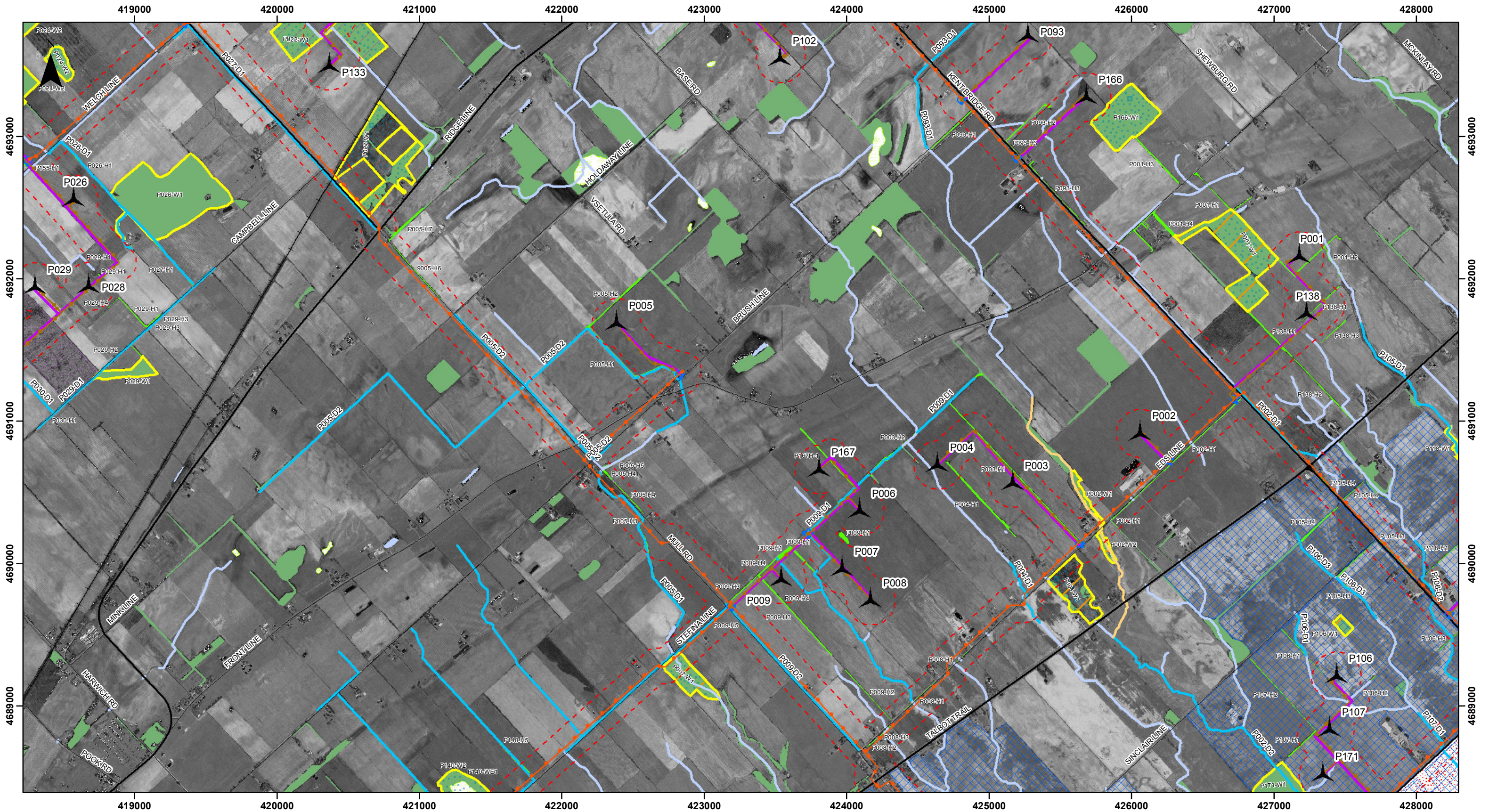


Figure 7
South Kent Wind Project
Significant Wildlife Habitat - Transmission Corridor

NATURAL RESOURCE SOLUTIONS INC.
 Aquatic, Terrestrial and Wetland Biologists

0 0.15 0.3 0.6 km
 July 22, 2011
 Project No: NRSI-1184
 UTM Zone 17, NAD 83
 Scale: 1:25,000 (at 11x17")

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Legend

- | | | | | |
|------------------------------|-------------------------|-------------------------|------------------------------------|--------------------------------------|
| Project Area (July 21, 2011) | Primary Road | 230kV Distribution Line | Ecological Land Classification | Area Sensitive Bird Breeding Habitat |
| Proposed Turbine (L012) | Secondary Road | Switch | Important Bird Area | Animal Movement Corridor |
| Electrical Substation | Watercourse (Permanent) | Wooded Area | Bat Maternity Roost | Vegetated Drain Corridor |
| Access Road | Watercourse (NRSI) | Waterbody | Open Country Bird Breeding Habitat | Railbed Corridor |
| Railway | Above Ground Cabling | Wetland Area | Habitat for Species Ranked S1-S3 | |
| Highway | Underground Cabling | Hedgerow | | |

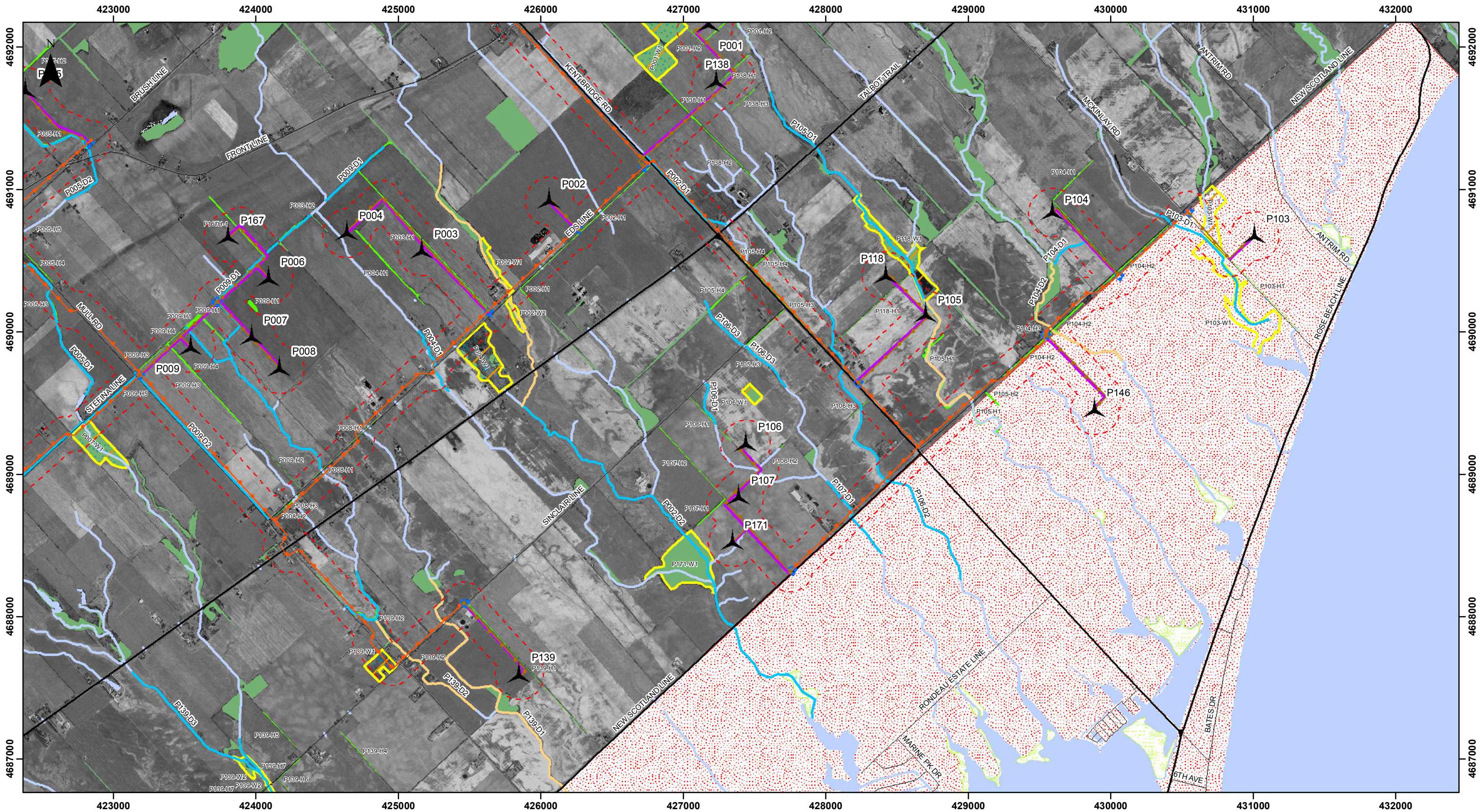


Figure 8
South Kent Wind Project
Significant Wildlife Habitat - Transmission Corridor



0 0.15 0.3 0.6 km

July 22, 2011
Project No: NRSI-1184
UTM Zone 17, NAD 83
Scale: 1:25,000 (at 11x17")
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Legend

- | | | | | |
|------------------------------|-------------------------|-------------------------|------------------------------------|--------------------------------------|
| Project Area (July 21, 2011) | Primary Road | 230kV Distribution Line | Ecological Land Classification | Area Sensitive Bird Breeding Habitat |
| Proposed Turbine (L012) | Secondary Road | Switch | Important Bird Area | Animal Movement Corridor |
| Electrical Substation | Watercourse (Permanent) | Wooded Area | Bat Maternity Roost | Vegetated Drain Corridor |
| Access Road | Watercourse (NRSI) | Waterbody | Open Country Bird Breeding Habitat | Railbed Corridor |
| Railway | Above Ground Cabling | Wetland Area | Habitat for Species Ranked S1-S3 | |
| Highway | Underground Cabling | Hedgerow | | |
- Seasonal Concentration Areas**
- Habitat of Species of Conservation Concern**

Appendix III
Evaluation of Significance –Field Notes

[illegible]

*Draw route on map or record tracks on GPS

[illegible]

*Draw route on map or record tracks on GPS

[illegible]

*Draw route on map or record tracks on GPS

Pg 1 of 1

1184 South Kent WP - Chatham, ON

May 11, 2011

Observers: TAL, PWD

Weather: 21°C, no precip., wind -2, cc-70%

* Potential Vernal Pool Survey (within PO14-W1)

Start time: 17:55

End time: 18:12

↳ 2 small potential vernal pools at NW corner of woodlot

↳ approx. 20m² (each)

↳ 10cm depth (max.)

↳ no egg masses observed

↳ 1 small potential vernal pool at SW corner of woodlot

↳ approx. 40m² in size

↳ 10cm depth (max.)

↳ no egg masses observed

* Incidental Species

- northern flicker (OBS x 1)

- tree swallow (OBS x 1)

- barn swallow (OBS x 2)

June 3, 2011 11:40

South Kent WF 1184-A

GPS coordinates of wildlife habitat

PWD

Snake Hibernacula

• Rock Piles

• Int. of Cooper Rd and Gleeson Ln. 17T 0390612 4683380

• PO72-H1 17T 0389033 4680648

• PO65-D1 17T 0400141 4686180 (N side of rd., W side of creek)

• P111-W1 17T 0405520 4687318

• P162-W1 17T 0408832 4691963 (rock piles along RR)

• PO02 17T 0426415 4690858

• Old Foundations

• East of PO28 17T 0418719 4692058

• Debris/Organics Piles

• PO74-D1 17T 0387567 4679672

• P127-D2 17T 0392472 4683226

• P111-W1 17T 0405527 4687317

• P162-W1 17T 0408881 4691993

Amphibian Breeding Habitat (Woodland)

• P108-W1 17T 0415596 4690495 Photo 5414

• P162-W1 17T 0415446 4690371 Photo 5415 - tadpoles, baby deer observed

17T 0408973 4692010

17T 0409001 4692048

17T 0408998 4692096

17T 0408865 4692069 (near entry road)

↳ tadpoles observed.

} large vernal pool complex?

Project #1184; Chatham-Kent

P042-W1, V May 3/11
 - unaware of project, did not
 do site visit, will wait until
 landowners properly informed
 of project.

P108-W1, V
 May 3/11, 5°C 8:35
 W: SE 1 c.c. 100%, raining
 fairly hard
 incidentals: gray tree frog,
 spring peeper
 - no egg masses seen

P075-02 H
 May 3/11, 5°C, 10:05
 W: SE 1 c.c. 100% raining
 fairly hard
 - pile of dirt, looked from
 road unsuitable for
 snake habitat

Project #1184 Chatham-Kent

P-127-02, D May 2/11 15:26
 temp 16°C, W: SEW, 2
 c.c. 70%, no rain
 incidentals: red-winged
 blackbird, killdeer, rabbit
 (cottontail)
 no snakes observed

P-065-D1 H
 May 2/11, 15:43 temp 16°C,
 W: SEW, 1 c.c. 75%, no rain
 incidentals: tree swallows, Am.
 no snakes observed, robin

P-111-W1, H, D
 May 2/11, 15:00 temp 15°C
 W: SW 1 c.c. 75%, Partly sunny
 Incidentals: Song Sparrow, Horned Lark
 Am. Robin
 no snakes observed

Project #1184 Chatham-Kent

P078-H3, D

May 31'11, 5°C, 10:08

W: SE, 1, C.C. 100% raining
gently.

- piles of junk/debris in
person's yard, unsuitable
snake habitat

P080-H3, D

May 31'11, 6°C, 10:25

W: SE, 1 C.C. 100% gentle rain

- no visible debris pile

P080-H5, D

May 31'11, 6°C, 10:30

W: SE, 1 C.C. 100% gentle rain

- no visible debris pile

P028-F

May 31'11, 6°C 11:01

W: SE, 1 C.C. 100% gentle rain

- no snakes observed

Project #1184, Chatham Kent

P162-W2, V, D, H

May 21'11, 16:18, wind SW, 2

partly sunny C.C. 75%, 15°C

Eastern towhee house wren,
oven bird, red-bellied woodpecker,

American Robin, blue jay, hairy
gray treefrog, song woodpecker

Sparrow, white-throated sparrow,
chipping sparrow, flicker,
common grackle

- no salamander egg masses seen
- no snakes seen

Project: #1184, Clatham-Kent WF

May 2, 2011 CM & NGM
temp: 12°C, cloud 65% 12.75pm
wind SW, 1 beaufort

Site P104-D2, T
incidentals → white-crowned
sparrow, purple martin
song sparrow, red-winged
blackbird, tree swallow, barn
swallow, swamp sparrow,
black-capped chickadee,
white-throated sparrow,
blue jay, mourning dove,
grackle, Am. Robin, chipping
sparrow, ruby-crowned
kinglet, frog sp., raccoon
print in mud, house sparrow

- no turtles seen

Project # 1184 Clatham-Kent wind 1 temp. 12°C

P002-D2, T SW, 13:45 cloud 80%
Inc: - grey squirrel, barn swallow,
Am. crow, 2 fish pictures
1-3, 100-0211, 100-0212, 100-0213
flat nose, light brown, dark
brown-black speckles, carp?
6-8 inches in length, spotted
sand piper

- no turtles seen

P002-H1, H-T 14:00, May 2/11
weather as before

Incidentals: Gray Tree Frog, Song Sparrow
Eastern Cottontail droppings, Savannah Sparrow

- No snakes or turtles

P028-F 14:10, May 2/11
wind 1 SW, c.c. 100%
light drizzle

unable to Access - too far from
road, no permission

Project # 1184
Chatham-Kent WF

Temp: 14°C W: SW 1
C.C.: 65%, 13:00, May 2/11

P105-D1, T

Incidentals: White-crowned Sparrow, Red-winged B.B.,
Euro. Starling, Purple Martin, Gray Catbird, Song
sparrow, Black-capped chickadee

No: Turtles found

P106-D3, T Temp: 15°C, W: SW 1
C.C.: 65%, 13:16 May 2/11

Incidentals: Am. Goldfinch, Song Sparrow,
barn swallow, gray squirrel,
Killdeer No: Turtles

P139-D1, T Temp: 12°C W: SW 2
C.C.: 100%, 13:25 May 2/11
Inc: Song Sparrow, Blue Jay, Mourning Dove, Northern
Flicker, Tree Swallow, Northern cardinal, Robin
No: Turtles

P139-D2, T

Incidentals: Song sparrow
No turtles

Project # 1184, Chatham-Kent

Hastell Rd-D May 2/11, 14:30
Temp: 12°C, W: SW 2, C.C.: 100%
No rain

- unable to access, no permission

P074-D1, D May 2/11, 15:00
Temp: 13°C, W: SW 2
No snakes C.C.: 75

P072-M1, H May 2/11 15:05
Temp: 14°C, W: SW 2
no rain, C.C.: 70%
NO snakes observed

P126-Grease Line & Cooper Rd
May 2/11, 15:16 Temp 15°C,
W: SW 1 no rain, C.C.: 70%
incidentals: barn swallows,
mourning dove, red-winged
blackbird, American robin
vole sp. ran into hole in ground

NO snakes observed

Project # 1184, Chatham
- Kent

Area does not seem
suitable soil habitats
water too low

P022-W1, V

May 3/11, 11:40 7°C

W: SWE, 1 c.c. 100% light rain
* No egg masses located

P001-W1, H May 3/11

weather: as above

- unable to locate rock wall
- should revisit in better weather conditions

Station #	Date	Observers	Start Time	End Time	Survey Length (min)	Temperature (°C)	Cloud Cover (%)	Visibility	Precipitation	Wind Speed (Beaufort Scale)
SWN-001	17-Mar-11	SAG, NGM	17:34	18:04	30 MIN	14	85	HIGH	NONE	3

Wind Direction (letter)	Survey	Species Code (enter)	Species Name (will automatically enter)	Time	# of Birds	Behaviour	Passes	Height Category (0,1, 2, 3...)
SW	SWAN SURVEY	HOLA	Horned Lark	17:34	2	Foraging	1	0
		RWBL	Red-winged Blackbird	17:35	5	Flying	1	0
		AMCR	American Crow	17:36	1	Perching	1	0
		SOSP	Song Sparrow	17:36	3	Perching	2	0
		AMRO	American Robin	17:40	2	Foraging	1	0
		COGR	Common Grackle	17:41	1	Perching	1	0
		AMCR	American Crow	17:42	1	Flying	1	0
		RWBL	Red-winged Blackbird	17:43	1	Perching	2	0
		REDH	Redhead	17:45	26	Flying	3	0
		AMRO	American Robin	17:45	3	Flying	1	0
		CAGO	Canada Goose	17:50	2	Foraging	1	0
		NOCA	Northern Cardinal	17:53	2	Calling/Perched	1	0
		RTHA	Red-tailed Hawk	17:54	1	Flying	1	1
		KILL	Killdeer	17:54	3	Flying	1	2
		DEJU	Dark-eyed Junco	17:54	1	Flying	1	0
		DOWO	Downy Woodpecker	17:55	1	Perching	1	1
		RWBL	Red-winged Blackbird	18:03	100	Flying	1	1
		COGR	Common Grackle	18:04	10	Flying	1	1

Direction of Flight (degrees)	Direction from observer (degrees)	Distance from observer (m)
N/A	240	50
N/A	240	50
N/A	280	40
N/A	280	60
N/A	220	20
N/A	220	
140	80	30
N/A	100	
230	240	
320	240	
220	240	200
N/A	230	100
220	300	100
200	220	200
220	300	100
N/A	240	100
220	280	75
220	280	75

Station #	Date	Observers	Start Time	End Time	Survey Length (min)	Temperature (°C)	Cloud Cover (%)	Visibility	Precipitation	Wind Speed (Beaufort Scale)
SWN-002	17-Mar-11	SAG, NGM	18:19	18:49	30 MIN	14	85	HIGH	NONE	3

Wind Direction (letter)	Survey	Species Code (enter)	Species Name (will automatically enter)	Time	# of Birds	Behaviour	Passes	Height Category (0,1, 2, 3...)
SW	SWAN SURVEY	TUSW	Tundra Swan	18:19	25	Flying	1	2
		EUST	European Starling	18:20	20	Perching	1	0
		EUST	European Starling	18:20	15	Flying	2	1
		AMCR	American Crow	18:21	2	Flying	0	0
		AMRO	American Robin	18:24	2	Perching	0	0
		RWBL	Red-winged Blackbird	18:25	4	Flying	1	0
		WOOD	Wood Duck	18:26	25	Flying	1	1
		REDH	Redhead	18:26	30	Flying	2	1
		CAGO	Canada Goose	18:27	2	Flying	1	2
		KILL	Killdeer	18:33	1	Flying	2	3
		RWBL	Red-winged Blackbird	18:35	10	Flying	1	1
		NOPI	Northern Pintail	18:40	20	Flying	2	6
		RWBL	Red-winged Blackbird	18:42	130	Flying	1	4
		MODO	Mourning Dove	18:42	3	Flying	1	1
		TUSW	Tundra Swan	18:47	6	Flying	1	3
		WITU	Wild Turkey	18:48	2	Walking	1	0

Direction of Flight (degrees)	Direction from observer (degrees)	Distance from observer (m)
180	100	300
N/A	120	100
220	320	50
340	140	40
340	140	70
40	120	50
240	300	200
240	300	200
40	220	400
240	220	300
120	280	5
220	200	200
188	180	50
140	160	100
180	260	400
N/A	230	300

Station #	Date	Observers	Start Time	End Time	Survey Length (min)	Temperature (°C)	Cloud Cover (%)	Visibility	Precipitation	Wind Speed (Beaufort Scale)
SWN-003	17-Mar-11	SAG, NGM	19:00	19:30	30 MIN	14	60	HIGH	NONE	1

Wind Direction (letter)	Survey	Species Code (enter)	Species Name (will automatically enter)	Time	# of Birds	Behaviour	Passes	Height Category (0,1, 2, 3...)
SW	SWAN SURVEY	RWBL	Red-winged Blackbird	19:00	3	Perching	1	0
		AMRO	American Robin	19:00	2	Foraging	1	0
		EUST	European Starling	19:00	1	Flying	2	0
		COGR	Common Grackle	19:00	20	Flying	2	0
		CAGO	Canada Goose	19:00	2	Flying	1	1
			DUCK SP.	19:05	70	Flying	1	3
		KILL	Killdeer	19:06	3	Foraging	1	0
		TUSW	Tundra Swan	19:07	20	Flying	1	3
		COGR	Common Grackle	19:07	50	Flying	1	0
		CAGO	Canada Goose	19:08	2	Flying	1	1
		EUST	European Starling	19:10	250	Flying	1	1
		RWBL	Red-winged Blackbird	19:10	450	Flying	1	1
		COGR	Common Grackle	19:10	600	Flying	1	1
			swan sp.	19:12	10	Flying	1	3
		MALL	Mallard	19:15	105	Flying	1	7
		GBHE	Great Blue Heron	19:17	1	Flying	1	3
		CAGO	Canada Goose	19:17	6	Flying	1	3
		RBGU	Ring-billed Gull	19:20	3	Flying	1	3
		RWBL	Red-winged Blackbird	19:25	400	Flying	1	3
			swan sp.	19:25	25	Flying	1	5
		NOPI	Northern Pintail	19:26	8	Flying	1	6
			swan sp.	19:27	20	Flying	1	5

Direction of Flight (degrees)	Direction from observer (degrees)	Distance from observer (m)
N/A	80	30
N/A	80	10
120	200	10
120	200	20
260	220	300
180	260	2000
N/A	260	100
140	220	2000
120	260	10
300	340	500
120	200	30
120	200	30
120	200	30
180	60	500
150	340	0-300
200	220	300
150	340	200
140	300	200
140	300	50
140	240	500
140	340	200
180	280	2000

Station #	Date	Observers	Start Time	End Time	Survey Length (min)	Temperature (°C)	Cloud Cover (%)	Visibility	Precipitation	Wind Speed (Beaufort Scale)
SWN-003	18-Mar-11	SAG, NGM	7:57	8:27	30 MIN	8	60	HIGH	NONE	2

Wind Direction (letter)	Survey	Species Code (enter)	Species Name (will automatically enter)	Time	# of Birds	Behaviour	Passes	Height Category (0,1, 2, 3...)
SW	SWAN SURVEY	KILL	Killdeer	7:59	3	Foraging	6	0
		RBGU	Ring-billed Gull	8:00	5	Flying	1	0
		RWBL	Red-winged Blackbird	8:00	20	Perching	1	0
		AMRO	American Robin	8:01	2	Foraging	1	0
		COGR	Common Grackle	8:02	2	Foraging	1	0
		CAGO	Canada Goose	8:02	3	Flying	1	2
		HERG	Herring Gull	8:02	2	Flying	1	1
		GBHE	Great Blue Heron	8:04	1	Perching	1	0
		RWBL	Red-winged Blackbird	8:06	1	Flying	1	0
		REDH	Redhead	8:06	15	Flying	3	2
		COME	Common Merganser	8:06	4	Flying	2	2
		ROPI	Rock Pigeon	8:08	6	Flying	2	0
		SOSP	Song Sparrow	8:08	1	Perching	1	0
		RWBL	Red-winged Blackbird	8:10	50	Flying	1	0
		COGR	Common Grackle	8:10	40	Flying	1	0
		AMRO	American Robin	8:13	1	Flying	1	0
		RBGU	Ring-billed Gull	8:14	1	Flying	1	1
		MALL	Mallard	8:16	4	Flying	1	1
		MODO	Mourning Dove	8:20	2	Perching	1	0
		HOLA	Horned Lark	8:20	2	Perching	1	0
		TUSW	Tundra Swan	8:25	5	Perching	1	0
		RBGU	Ring-billed Gull	8:25	2	Flying	1	3
		TRES	Tree Swallow	8:27	2	Flying	1	1
		ATSP	American Tree Sparrow	8:27	1	perched, then flew	1	0

Direction of Flight (degrees)	Direction from observer (degrees)	Distance from observer (m)
220	280	100
120	40	30
120	100	30
N/A	140	100
340	220	50
320	220	2000
320	220	500
N/A	200	1000
N/A	280	200
300	0	500
300	0	500
300	0	300
N/A	140	100
300	0	200
300	0	200
300	0	100
300	240	100
0	260	500
N/A	260	300
N/A	320	300
N/A	100	10
180	300	300
260	300	50
320	220	50

Station #	Date	Observers	Start Time	End Time	Survey Length (min)	Temperature (°C)	Cloud Cover (%)	Visibility	Precipitation	Wind Speed (Beaufort Scale)
SWN-002	18-Mar-11	SAG, NGM	8:39	9:09	30 MIN	8	70	HIGH	NONE	2

Wind Direction (letter)	Survey	Species Code (enter)	Species Name (will automatically enter)	Time	# of Birds	Behaviour	Passes	Height Category (0,1, 2, 3...)
SW	SWAN SURVEY	ATSP	American Tree Sparrow	8:39	1	Perching	1	0
		KILL	Killdeer	8:39	2	Flying	3	2
		ROPI	Rock Pigeon	8:40	10	Flying	1	1
		EUST	European Starling	8:40	25	Perching	1	0
			swan sp.	8:42	3	Flying	1	4
			DUCK SP.	8:45	15	Flying	1	4
			GULL SP	8:48	4	Flying	1	4
		SOSP	Song Sparrow	8:49	1	Perching	1	0
		RBGU	Ring-billed Gull	8:50	3	Flying	1	3
		HOLA	Horned Lark	8:51	1	Flying	1	3
		COGR	Common Grackle	8:53	12	Flying	1	3
		TUSW	Tundra Swan	8:54	14	Flying	1	3
		TUSW	Tundra Swan	8:54	27	Flying	1	3
		CAGO	Canada Goose	8:56	5	Flying	1	2
			swan sp.	8:56	2	Flying	1	4
			swan sp.	8:59	20	Flying	1	3
		NOPI	Northern Pintail	9:01	1	Flying	1	2
		TUSW	Tundra Swan	9:01	6	Flying	1	3
		HAWO	Hairy Woodpecker	9:01	1	Heard Tapping	1	N/A
			swan sp.	9:04	50	Flying	1	4

Direction of Flight (degrees)	Direction from observer (degrees)	Distance from observer (m)
N/A	280	25
N/A	300	100
N/A	310	150
N/A	120	50
300	240	2000
N/A	N/A	2000
N/A	N/A	2000
N/A	310	100
240	340	300
240	320	100
240	320	200
210	80	100
240	20	300
350	20	50
350	300	2000
0	60	200
20	60	100
5	280	200
N/A	100	100
100	120	1000

Station #	Date	Observers	Start Time	End Time	Survey Length (min)	Temperature (°C)	Cloud Cover (%)	Visibility	Precipitation	Wind Speed (Beaufort Scale)
SWN-001	18-Mar-11	SAG, NGM	9:15	9:45	30 MIN	8	60	HIGH	NONE	2

Wind Direction (letter)	Survey	Species Code (enter)	Species Name (will automatically enter)	Time	# of Birds	Behaviour	Passes	Height Category (0,1, 2, 3...)
NW	SWAN SURVEY	TUSW	Tundra Swan	9:20	30	Flying	1	2
		CAGO	Canada Goose	9:20	10	Flying	1	2
		SOSP	Song Sparrow	9:21	6	Perching	1	0
		AMRO	American Robin	9:21	1	Perching	1	0
		DEJU	Dark-eyed Junco	9:21	2	Perching	1	0
		RBGU	Ring-billed Gull	9:22	18	Flying	1	1
		DOWO	Downy Woodpecker	9:22	1	Perching	1	0
		RWBL	Red-winged Blackbird	9:23	10	Perching	1	0
		HERG	Herring Gull	9:25	1	Flying	1	1
		EUST	European Starling	9:25	10	Flying	1	0
		MALL	Mallard	9:25	4	Flying	1	3
		NOCA	Northern Cardinal	9:26	3	Perching	1	0
		BCCH	Black-capped Chickadee	9:26	3	Perching	1	0
		AMRO	American Robin	9:27	18	Flying	1	0
		MODO	Mourning Dove	9:29	3	Perching	1	0
		CAGO	Canada Goose	9:30	4	Flying	1	2
		COME	Common Merganser	9:32	15	Flying	1	7
		MALL	Mallard	9:32	25	Flying	1	7
		KILL	Killdeer	9:36	1	Flying	1	6
		RBGU	Ring-billed Gull	9:37	8	Flying	1	5
		COGR	Common Grackle	9:40	12	Flying	1	1
		TRES	Tree Swallow	9:44	1	Flying	1	1

Direction of Flight (degrees)	Direction from observer (degrees)	Distance from observer (m)
320	280	100
320	280	100
N/A	100	10
N/A	320	50
N/A	300	50
320	280	500
N/A	300	100
N/A	20	100
320	280	500
0	260	50
60	340	300
N/A	340	500
N/A	320	50
0	260	20
N/A	320	50
60	140	50
20	220	300
20	160	400
300	220	200
220	200	150
160	320	50
120	220	20

Station #	Date	Observers	Start Time	End Time	Survey Length (min)	Temperature (°C)	Cloud Cover (%)	Visibility	Precipitation	Wind Speed (Beaufort Scale)
SWN-001	21-Mar-11	KSJ, SM	17:33	18:03	30 MIN	11	80	HIGH	NONE	2

Wind Direction (letter)	Survey	Species Code (enter)	Species Name (will automatically enter)	Time	# of Birds	Behaviour	Passes	Height Category (0,1, 2, 3...)
N	SWAN SURVEY	RWBL	Red-winged Blackbird	17:33	40	Perching	1	N/A
		COGR	Common Grackle	17:33	20	Flying	1	2
		TUVU	Turkey Vulture	17:34	1	Flying	1	3
		AMRO	American Robin	17:34	7	Perching	1	2
		NOCA	Northern Cardinal	17:34	3	Perching	1	2
		KILL	Killdeer	17:34	2	Flying	1	3
		SOSP	Song Sparrow	17:36	2	Perching	1	1
		BLJA	Blue Jay	17:36	1	Perching	1	2
		HOLA	Horned Lark	17:38	4	Flying	1	2
			GULL SP	17:39	4	Flying	1	3
		EUST	European Starling	17:43	16	Flying	1	3
		AMCR	American Crow	17:45	1	Flying	1	3
		DEJU	Dark-eyed Junco	17:47	2	Perching	1	2
		MODO	Mourning Dove	17:47	1	Flying	1	3
		BAEA	Bald Eagle	17:48	1	Flying	1	4
		HOSP	House Sparrow	18:00	1	Perching	1	2

Direction of Flight (degrees)	Direction from observer (degrees)	Distance from observer (m)
E	E	15
S	S	50
S	S	50
S	S	50
N/A	N/A	300
N/A	N/A	20
N/A	N/A	10
S	S	100
E	E	20
E	E	200
S	S	50
S	S	50
W	W	100
S	S	150
S	S	200
E	E	20

Station #	Date	Observers	Start Time	End Time	Survey Length (min)	Temperature (°C)	Cloud Cover (%)	Visibility	Precipitation	Wind Speed (Beaufort Scale)
SWN-002	21-Mar-11	KSJ, SM	18:12	18:42	30 MIN	11	90	HIGH	NONE	3

Wind Direction (letter)	Survey	Species Code (enter)	Species Name (will automatically enter)	Time	# of Birds	Behaviour	Passes	Height Category (0,1, 2, 3...)
N	SWAN SURVEY	TUVU	Turkey Vulture	18:14	5	Flying	1	20
		EUST	European Starling	18:14	500	Perching	1	0
		RWBL	Red-winged Blackbird	18:15	620	Flying	1	3
		COGR	Common Grackle	18:15	80	Flying	1	3
		KILL	Killdeer	18:16	3	Perching	1	0
		RTHA	Red-tailed Hawk	18:17	1	Flying	1	1
		AMCR	American Crow	18:18	2	Flying	1	3
		MODO	Mourning Dove	18:19	2	Perching	1	2
		NOCA	Northern Cardinal	18:19	2	Perching	1	2
		SOSP	Song Sparrow	18:20	1	Perching	1	1
		ROPI	Rock Pigeon	18:23	3	Perching	1	2
		RBGU	Ring-billed Gull	18:24	2	Flying	1	20
		COGR	Common Grackle	18:31	60	Flying	1	3
		AMRO	American Robin	18:32	12	Perching	1	1
		RWBL	Red-winged Blackbird	18:34	55	Flying	1	3
		RBGU	Ring-billed Gull	18:41	2	Flying	1	5
		EUST	European Starling	18:37	80	Flying	1	3
		MALL	Mallard	18:41	2	Flying	1	6
		COHA	Cooper's Hawk	18:41	1	Flying	1	6

Direction of Flight (degrees)	Direction from observer (degrees)	Distance from observer (m)
E	S	100
N/A	E	50
SW	N/A	50
SW	N/A	50
N/A	N/A	100
N	W	300
N	E	250
N/A	N/A	150
N/A	W	100
N/A	W	100
N/A	SW	300
W	SW	200
S	SE	300
N/A	SE	150
S	E	50
W	S	50
S	S	50
N	E	100
N	E	100

Station #	Date	Observers	Start Time	End Time	Survey Length (min)	Temperature (°C)	Cloud Cover (%)	Visibility	Precipitation	Wind Speed (Beaufort Scale)
SWN-003	21-Mar-11	KSJ, SM	18:50	19:20	30 MIN	11	100	HIGH	NONE	3

Wind Direction (letter)	Survey	Species Code (enter)	Species Name (will automatically enter)	Time	# of Birds	Behaviour	Passes	Height Category (0,1, 2, 3...)
N	SWAN SURVEY	RBWO	Red-bellied Woodpecker	18:50	1	Perching	1	2
		MALL	Mallard	18:50	20	Flying	1	6
		KILL	Killdeer	18:50	2	Perching	1	0
		AMRO	American Robin	18:50	5	Perching	1	0
		RWBL	Red-winged Blackbird	18:50	235	Perching	1	1
		EUST	European Starling	18:50	670	Flying	1	3
		COGR	Common Grackle	18:50	370	Flying	1	3
			GULL SP	18:50	40	Flying	1	11
		AMCR	American Crow	18:53	3	Perching	1	2
		MODO	Mourning Dove	18:55	1	Perching	1	2
		MALL	Mallard	18:56	6	Flying	1	5
		ROPI	Rock Pigeon	19:01	3	Flying	1	4
		SOSP	Song Sparrow	19:02	1	Perching	1	1
		HOSP	House Sparrow	19:02	1	Perching	1	1
		CAGO	Canada Goose	19:02	40	Flying	1	2
		EUST	European Starling	19:03	270	Flying	1	3
		RWBL	Red-winged Blackbird	19:03	150	Flying	1	3
			swan sp.	19:06	3	Flying	1	4
		COGR	Common Grackle	19:10	140	Flying	1	3
		GBHE	Great Blue Heron	19:11	1	Flying	1	3

Direction of Flight (degrees)	Direction from observer (degrees)	Distance from observer (m)
N/A	S	40
S	S	100
N/A	N	50
N/A	N	50
N/A	W	50
W	S	100
W	S	100
S	W	300
N/A	S	500
N/A	W	50
N	W	200
S	S	100
N/A	W	50
N/A	W	20
SW	W	100
S	N	20
S	N	20
NW	W	1200
S	W	20
W	NSW	1500

Station #	Date	Observers	Start Time	End Time	Survey Length (min)	Temperature (°C)	Cloud Cover (%)	Visibility	Precipitation	Wind Speed (Beaufort Scale)
SWN-003	22-Mar-11	KSJ, SM	7:30	8:00	30 MIN	4	100	HIGH	NONE	3

Wind Direction (letter)	Survey	Species Code (enter)	Species Name (will automatically enter)	Time	# of Birds	Behaviour	Passes	Height Category (0,1, 2, 3...)
N	SWAN SURVEY	RBGU	Ring-billed Gull	7:30	76	Perching	1	6
		AMRO	American Robin	7:31	4	Flying	1	1
			DUCK SP.	7:32	23	Perched on ground	1	3
		KILL	Killdeer	7:32	1	Flying	1	0
		EUST	European Starling	7:32	600	Flying	1	2
		COGR	Common Grackle	7:32	400	Flying	1	3
		RWBL	Red-winged Blackbird	7:32	400	Flying	1	3
		AMCR	American Crow	7:35	7	Flying	1	2
		SOSP	Song Sparrow	7:43	1	Perching	1	1
		MODO	Mourning Dove	7:44	2	Flying	1	2
		CAGO	Canada Goose	7:46	35	Flying	1	4
		WOOD	Wood Duck	7:47	6	Flying	1	5
		HERG	Herring Gull	7:47	17	Flying	1	4
			GULL SP	7:48	42	Flying	1	4
		BLJA	Blue Jay	7:49	2	Perching	1	2
			swan sp.	7:51	1	Flying	1	1
		MALL	Mallard	7:52	18	Flying	1	5
		NOCA	Northern Cardinal	7:56	1	Perching	1	1

Direction of Flight (degrees)	Direction from observer (degrees)	Distance from observer (m)
N	W	100
N/A	S	50
W	S	1000
N/A	E	50
S	E	10
S	E	10
S	E	10
W	N	100
N/A	N	30
W	S	150
N	E	100
N	E	100
N	E	50
N	W	500
N/A	SE	60
S	SWE	1500
N	E	200
N/A	S	50

Station #	Date	Observers	Start Time	End Time	Survey Length (min)	Temperature (°C)	Cloud Cover (%)	Visibility	Precipitation	Wind Speed (Beaufort Scale)
SWN-002	22-Mar-11	KSJ, SM	8:09	8:39	30 MIN	4	100	HIGH	NONE	2

Wind Direction (letter)	Survey	Species Code (enter)	Species Name (will automatically enter)	Time	# of Birds	Behaviour	Passes	Height Category (0,1, 2, 3...)
N	SWAN SURVEY	RWBL	Red-winged Blackbird	8:09	1000	Feeding	1	0
		EUST	European Starling	8:09	1000	Feeding	1	0
		COGR	Common Grackle	8:09	5000	Feeding	1	0
		DOWO	Downy Woodpecker	8:09	1	Perching	1	1
		HERG	Herring Gull	8:09	12	Flying	1	7
		AMCR	American Crow	8:10	6	Flying	1	3
		RBGU	Ring-billed Gull	8:12	6	Flying	1	5
			GULL SP	8:16	15	Flying	1	7
		MODO	Mourning Dove	8:19	2	Flying	1	2
		CAGO	Canada Goose	8:22	3	Flying	1	2
		WOOD	Wood Duck	8:23	14	Flying	1	10
		MALL	Mallard	8:26	4	Flying	1	7
		AMRO	American Robin	8:27	5	Perching	1	0
		RUBL	Rusty Blackbird	8:31	3	Perching	1	2

Direction of Flight (degrees)	Direction from observer (degrees)	Distance from observer (m)
N/A	W	50
N/A	W	50
N/A	W	50
N/A	W	20
N	W	50
N	W	50
N	E	50
N	E	300
N	E	50
S	SW	1000
E	S	700
N	E	20
N/A	N	20
N/A	W	20

Station #	Date	Observers	Start Time	End Time	Survey Length (min)	Temperature (°C)	Cloud Cover (%)	Visibility	Precipitation	Wind Speed (Beaufort Scale)
SWN-001	22-Mar-11	KSJ, SM	8:50	9:20	30 MIN	4	100	HIGH	NONE	2

Wind Direction (letter)	Survey	Species Code (enter)	Species Name (will automatically enter)	Time	# of Birds	Behaviour	Passes	Height Category (0,1, 2, 3...)
N	SWAN SURVEY	BHCO	Brown-headed Cowbird	8:50	1	Perching	1	2
		RWBL	Red-winged Blackbird	8:50	150	Perching	1	2
		DEJU	Dark-eyed Junco	8:50	12	Perching	1	2
		COGR	Common Grackle	8:50	50	Perching	1	2
		SOSP	Song Sparrow	8:50	4	Perching	1	2
		ATSP	American Tree Sparrow	8:50	2	Perching	1	2
		AMRO	American Robin	8:50	15	Perching	1	2
		EUST	European Starling	8:53	25	Flying	1	4
		FOXS	Fox Sparrow	8:54	1	Perching on ground	1	0
			GULL SP.	8:54	21	Flying	1	6
			DUCK SP.	8:54	6	Flying	1	7
		MODO	Mourning Dove	8:56	1	Perching	1	2
		NOCA	Northern Cardinal	8:56	1	Perching	1	2
		KILL	Killdeer	8:59	2	Perching on ground	1	0
		RBWO	Red-bellied Woodpecker	9:01	2	perched	1	2
		WOOD	Wood Duck	9:02	3	Flying	1	3
		MALL	Mallard	9:06	3	Flying	1	5
		BLJA	Blue Jay	9:06	1	Perching	1	3
		HOLA	Horned Lark	9:07	2	Flying	1	1

Direction of Flight (degrees)	Direction from observer (degrees)	Distance from observer (m)
N/A	W	50
N/A	E	20
N/A	E	20
N/A	W	20
N/A	E	10
N/A	S	10
N/A	E	30
S	E	60
N/A	W	30
W	S	100
W	S	150
N/A	S	60
N/A	S	80
N/A	E	30
N/A	W	60
N	N	20
N	E	60
N/A	S	200
N	SE	30

Station #	Date	Observers	Start Time	End Time	Survey Length (min)	Temperature (°C)	Cloud Cover (%)	Visibility	Precipitation	Wind Speed (Beaufort Scale)
SWN-001	24-Mar-11	NGM, PWD	18:00	18:30	30 MIN	-2	65	HIGH	NONE	3

Wind Direction (letter)	Survey	Species Code (enter)	Species Name (will automatically enter)	Time	# of Birds	Behaviour	Passes	Height Category (0,1, 2, 3...)
NW	SWAN SURVEY	TUSW	Tundra Swan	17:56	55	Perched	1	8
		RWBL	Red-winged Blackbird	17:56	25	Flying	1	0
		COGR	Common Grackle	17:56	15	Perched	1	0
		WBNU	White-breasted Nuthatch	17:56	61	Perched	1	0
		EUST	European Starling	17:56	30	Perched	1	0
		AMRO	American Robin	17:56	10	Perched	1	0
		AMCR	American Crow	17:59	2	Flying	1	1
		COGR	Common Grackle	18:00	150	Foraging	1	0
		RTHA	Red-tailed Hawk	18:01	1	Perched	1	0
		NOHA	Northern Harrier	18:08	1	Flying	1	3
		SOSP	Song Sparrow	18:12	5	Perched	1	0
		FOXS	Fox Sparrow	18:12	1	Perched	1	0
		ATSP	American Tree Sparrow	18:16	1	Perched	1	0

Direction of Flight (degrees)	Direction from observer (degrees)	Distance from observer (m)
70	200	150
N/A	190	100
N/A	190	100
N/A	10	100
N/A	180	75
N/A	180	75
70	160	100
N/A	70	200
N/A	90	500
270	190	200
N/A	350	100
N/A	350	50
N/A	70	15

Station #	Date	Observers	Start Time	End Time	Survey Length (min)	Temperature (°C)	Cloud Cover (%)	Visibility	Precipitation	Wind Speed (Beaufort Scale)
SWN0-002	24-Mar-11	NGM, PWD	18:22	18:52	30 MIN	-2	60	HIGH	NONE	5

Wind Direction (letter)	Survey	Species Code (enter)	Species Name (will automatically enter)	Time	# of Birds	Behaviour	Passes	Height Category (0,1, 2, 3...)
NW	SWAN SURVEY	RBGU	Ring-billed Gull	18:28	25	Flying	1	3
		RWBL	Red-winged Blackbird	18:29	40	Perched	1	1
		ATSP	American Tree Sparrow	18:30	10	Perched	1	1
		KILL	Killdeer	18:34	1	Perched on ground	1	0
		COGR	Common Grackle	18:34	20	Perched	1	0
		COGR	Common Grackle	18:35	15	Flying	1	0
		AMRO	American Robin	10:36	3	Flying	1	0
		RWBL	Red-winged Blackbird	18:38	26	Flying	1	0
		MODO	Mourning Dove	18:40	2	Flying	1	1
		RWBL	Red-winged Blackbird	18:41	250	Flying	1	0
		COGR	Common Grackle	18:41	30	Flying	1	0
		COGR	Common Grackle	18:45	50	Flying	1	2
		COGR	Common Grackle	18:47	100	Flying	1	2
		MODO	Mourning Dove	18:48	2	Flying	1	1

Direction of Flight (degrees)	Direction from observer (degrees)	Distance from observer (m)
90	200	500
N/A	350	100
N/A	190	150
N/A	100	250
110	250	100
180	200	100
350	340	50
200	150	100
210	100	150
100	180	200
100	180	200
200	160	250
130	70	300
200	90	250

Station #	Date	Observers	Start Time	End Time	Survey Length (min)	Temperature (°C)	Cloud Cover (%)	Visibility	Precipitation	Wind Speed (Beaufort Scale)
SWN-003	24-Mar-11	NGM, PWD	18:51	19:21	30 MIN	-2	65	HIGH	NONE	5

Wind Direction (letter)	Survey	Species Code (enter)	Species Name (will automatically enter)	Time	# of Birds	Behaviour	Passes	Height Category (0,1, 2, 3...)
NW	SWAN SURVEY	COGR	Common Grackle	18:51	3	Flying	1	2
		RWBL	Red-winged Blackbird	18:53	125	Flying	1	2
		RWBL	Red-winged Blackbird	18:54	70	Flying	1	2
		BCCH	Black-capped Chickadee	18:55	1	Flying	1	0
		EUST	European Starling	18:55	50	Flying	1	2
		COGR	Common Grackle	18:57	20	Flying	1	2
		RBGU	Ring-billed Gull	18:58	35	Flying	1	3
		TUSW	Tundra Swan	18:59	25	Flying	1	4
		RWBL	Red-winged Blackbird	19:03	75	Flying	1	3
		RWBL	Red-winged Blackbird	19:04	120	Flying	1	2
		MODO	Mourning Dove	19:05	4	Flying	1	0
		MODO	Mourning Dove	19:05	1	Flying	1	1
		BCCH	Black-capped Chickadee	19:06	4	Flying	1	0
		COGR	Common Grackle	19:11	125	Flying	1	1
		EUST	European Starling	19:13	200	Flying	1	2
		CAGO	Canada Goose	19:13	2	Flying	1	0
		COGR	Common Grackle	19:13	600	Flying	1	1
		EUST	European Starling	19:13	250	Flying	1	1
		RBGU	Ring-billed Gull	19:14	15	Flying	1	2
		COGR	Common Grackle	19:20	100	Flying	1	3
		KILL	Killdeer	19:20	1	Flying	1	0

Direction of Flight (degrees)	Direction from observer (degrees)	Distance from observer (m)
180	95	150
160	95	0
N/A	95	0
160	90	25
180	80	50
190	45	50
260	210	500
170	210	2000
180	180	150
N/A	90	100
180	20	300
N/A	80	50
180	110	25
180	220	25
N/A	260	100
180	45	300
180	45	50
180	45	50
180	20	100
180	275	200
350	45	100

Station #	Date	Observers	Start Time	End Time	Survey Length (min)	Temperature (°C)	Cloud Cover (%)	Visibility	Precipitation	Wind Speed (Beaufort Scale)
SWN-003	25-Mar-11	NGM, PWD	7:52	8:22	30 MIN	-3	10	HIGH	NONE	1

Wind Direction (letter)	Survey	Species Code (enter)	Species Name (will automatically enter)	Time	# of Birds	Behaviour	Passes	Height Category (0,1, 2, 3...)
W	SWAN SURVEY	RWBL	Red-winged Blackbird	7:52	300	Flying	1	1
		MODO	Mourning Dove	7:53	1	Perching	1	0
		KILL	Killdeer	7:53	2	Flying	1	1
		COGR	Common Grackle	7:53	50	Flying	1	1
		EUST	European Starling	7:53	75	Flying	1	1
		RBGU	Ring-billed Gull	7:57	10	Flying	1	3
		EUST	European Starling	7:57	1000	Flying	1	3
		AMRO	American Robin	7:58	1	Flying	1	1
		AMRO	American Robin	7:59	60	Flying	1	2
		MODO	Mourning Dove	8:01	1	Flying	1	1
		RBGU	Ring-billed Gull	8:01	2	Flying	1	5
		BLJA	Blue Jay	8:02	1	Perching	1	0
		AMRO	American Robin	8:06	20	Flying	1	1
		NOCA	Northern Cardinal	8:07	1	singing	1	0
		HOLA	Horned Lark	8:08	1	Flying	1	3
		SOSP	Song Sparrow	8:09	1	singing	1	0
		RWBL	Red-winged Blackbird	8:10	75	Flying	1	1
		AMCR	American Crow	8:15	1	singing	1	N/A
		KILL	Killdeer	8:17	7	Flying	1	2
		DOWO	Downy Woodpecker	8:21	1	Heard Calling	1	0

Direction of Flight (degrees)	Direction from observer (degrees)	Distance from observer (m)
350	160	0
N/A	45	100
350	160	50
350	160	50
350	160	50
350	120	200
350	120	200
15	250	200
0	120	100
0	45	200
0	120	100
N/A	180	100
340	270	150
N/A	265	200
270	270	200
N/A	90	100
350	160	0
N/A	210	200
10	230	10
N/A	170	100

Station #	Date	Observers	Start Time	End Time	Survey Length (min)	Temperature (°C)	Cloud Cover (%)	Visibility	Precipitation	Wind Speed (Beaufort Scale)
SWN-002	25-Mar-11	NGM, PWD	8:29	8:59	30 MIN	-4	10	HIGH	NONE	1

Wind Direction (letter)	Survey	Species Code (enter)	Species Name (will automatically enter)	Time	# of Birds	Behaviour	Passes	Height Category (0,1, 2, 3...)
W	SWAN SURVEY	RWBL	Red-winged Blackbird	8:29	100	Perched on ground	1	0
		COGR	Common Grackle	8:29	100	Perched on ground	1	0
		RWBL	Red-winged Blackbird	8:32	8	Perched	1	0
		SOSP	Song Sparrow	8:33	3	Foraging	1	0
		ATSP	American Tree Sparrow	8:33	10	Foraging	1	0
		AMRO	American Robin	8:34	1	Flying	1	1
		RUBL	Rusty Blackbird	8:40	2	Flying	1	1
		RWBL	Red-winged Blackbird	8:43	40	Flying	1	0
		AMRO	American Robin	8:43	10	Flying	1	0
		RBGU	Ring-billed Gull	8:48	1	Flying	1	3
		ATSP	American Tree Sparrow	8:52	1	Flying	1	0
		MODO	Mourning Dove	8:54	2	Flying	1	0
		EUST	European Starling	8:54	6	Flying	1	0
		ATSP	American Tree Sparrow	8:59	1	Perched	1	0
		SOSP	Song Sparrow	8:59	1	Perched	1	0

Direction of Flight (degrees)	Direction from observer (degrees)	Distance from observer (m)
N/A	200	300
N/A	200	300
N/A	300	50
N/A	190	100
N/A	190	100
10	240	0
45	270	0
70	30	350
280	30	350
N/A	340	320
45	275	50
50	275	50
45	200	0
N/A	300	50
N/A	300	50

Station #	Date	Observers	Start Time	End Time	Survey Length (min)	Temperature (°C)	Cloud Cover (%)	Visibility	Precipitation	Wind Speed (Beaufort Scale)
SWN-001	25-Mar-11	NGM, PWD	9:05	9:35	30 MIN	-4	70	HIGH	NONE	1

Wind Direction (letter)	Survey	Species Code (enter)	Species Name (will automatically enter)	Time	# of Birds	Behaviour	Passes	Height Category (0,1, 2, 3...)
W	SWAN SURVEY	NOCA	Northern Cardinal	9:05	2	Perched	1	0
		AMRO	American Robin	9:05	4	Flying	1	1
		RWBL	Red-winged Blackbird	9:10	8	Perched	1	0
		COGR	Common Grackle	9:10	4	Perched	1	0
		DOWO	Downy Woodpecker	9:11	1	Foraging	1	0
		SOSP	Song Sparrow	9:11	3	Perched	1	0
		MODO	Mourning Dove	9:11	2	Flying	1	0
		BLJA	Blue Jay	9:12	1	Perched	1	0
		AMCR	American Crow	9:14	2	Flying	1	1
		BCCH	Black-capped Chickadee	9:16	2	Perched	1	0
		HERG	Herring Gull	9:19	1	Flying	1	5
		AMRO	American Robin	9:21	1	Flying	1	2
		EUST	European Starling	9:22	15	Flying	1	3
		RBGU	Ring-billed Gull	9:24	1	Flying	1	5
		AMRO	American Robin	9:27	5	Perched	1	0
		BHCO	Brown-headed Cowbird	9:28	1	Perched	1	0

Direction of Flight (degrees)	Direction from observer (degrees)	Distance from observer (m)
N/A	270	100
30	280	150
N/A	290	100
N/A	270	100
N/A	180	300
N/A	350	50
45	0	100
N/A	190	200
260	90	100
N/A	350	50
45	0	400
10	160	100
260	180	100
0	180	100
N/A	275	150
N/A	340	100

Appendix IV
Evaluation of Significance –Field Maps

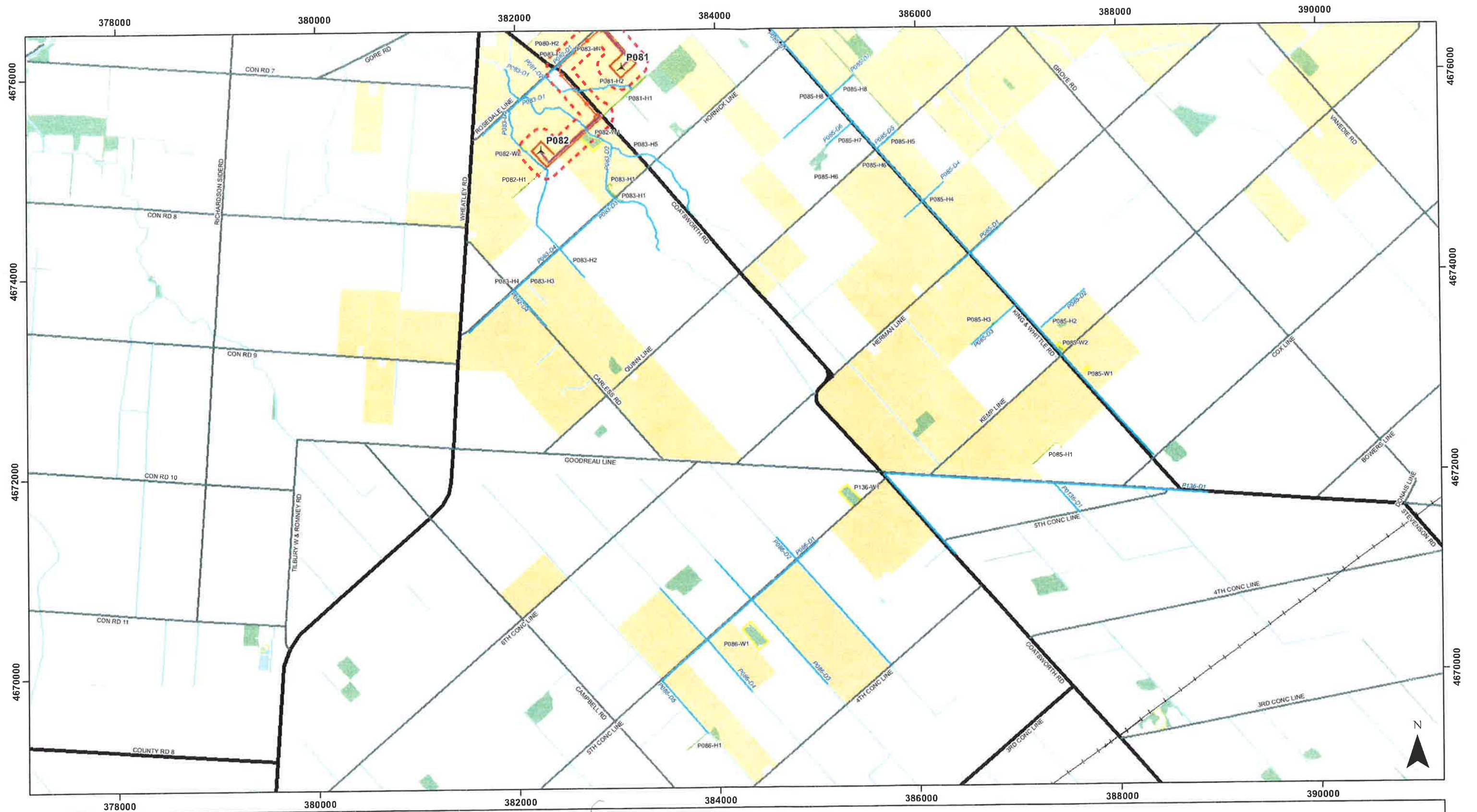


Figure 2-2
South Kent Wind Project
Vegetation Mapping

NATURAL RESOURCE SOLUTIONS INC.
 Aquatic, Terrestrial and Wetland Biologists

0 0.25 0.5 1 km

April 18, 2011
 Project No: NRSI-1184
 UTM Zone 17, NAD 83
 Scale: 1:35,000 (at 11x17")

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Legend

- Project Area (April 18, 2011)
- ▲ Proposed Turbine (L010-R2)
- Electrical Substation
- Access Road
- Watercourse (Permanent)
- Highway
- Primary Road
- Secondary Road
- Railway

- Watercourse (NRSI)
- Waterbody
- Wetland Area
- Hedgerow
- Wooded Area
- Ecological Land Classification

- ANSI, Life Science
- Provincially Significant Wetland
- South Kent Land Control
- 230kV Distribution Line
- Poly Mounted Switch
- Substation
- Plough Zone
- E-Railbed Substn Circuit (34.5kV)
- E-Sattem Substn Circuit (34.5kV)
- E-Sattem Under Ground Circuit
- E-Railbed Under Ground Circuit

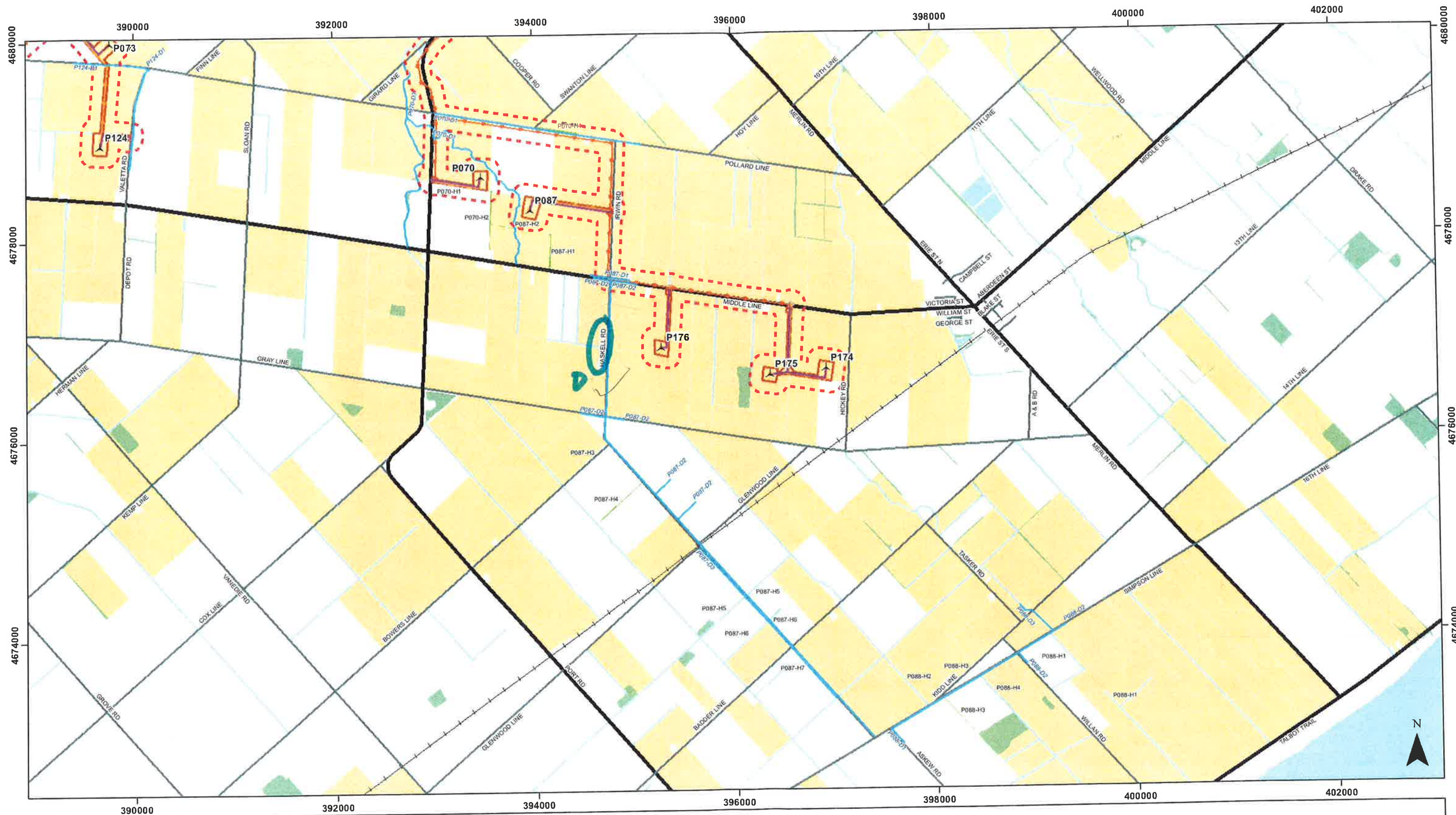


Figure 2-3
South Kent Wind Project
Vegetation Mapping



April 18, 2011
 Project No: NRSI-1184
 UTM Zone 17, NAD 83
 Scale: 1:35,000 (at 11x17")

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Legend

- | | | | | | |
|-------------------------------|--------------------|--------------------------------|----------------------------------|-------------------------------|-----------------------------------|
| Project Area (April 18, 2011) | Watercourse (NRSI) | Waterbody | ANSI, Life Science | 230kV Distribution Line | E-Railed Substn Circuit (34.5kV) |
| Proposed Turbine (L010-R2) | Highway | Wetland Area | Provincially Significant Wetland | Poly Mounted Switch | E-Sattern Substn Circuit (34.5kV) |
| Electrical Substation | Primary Road | Hedgerow | South Kent Land Control | Substation | E-Sattern Under Ground Circuit |
| Access Road | Secondary Road | Wooded Area | Plough Zone | E-Railed Under Ground Circuit | |
| Watercourse (Permanent) | Railway | Ecological Land Classification | | | |



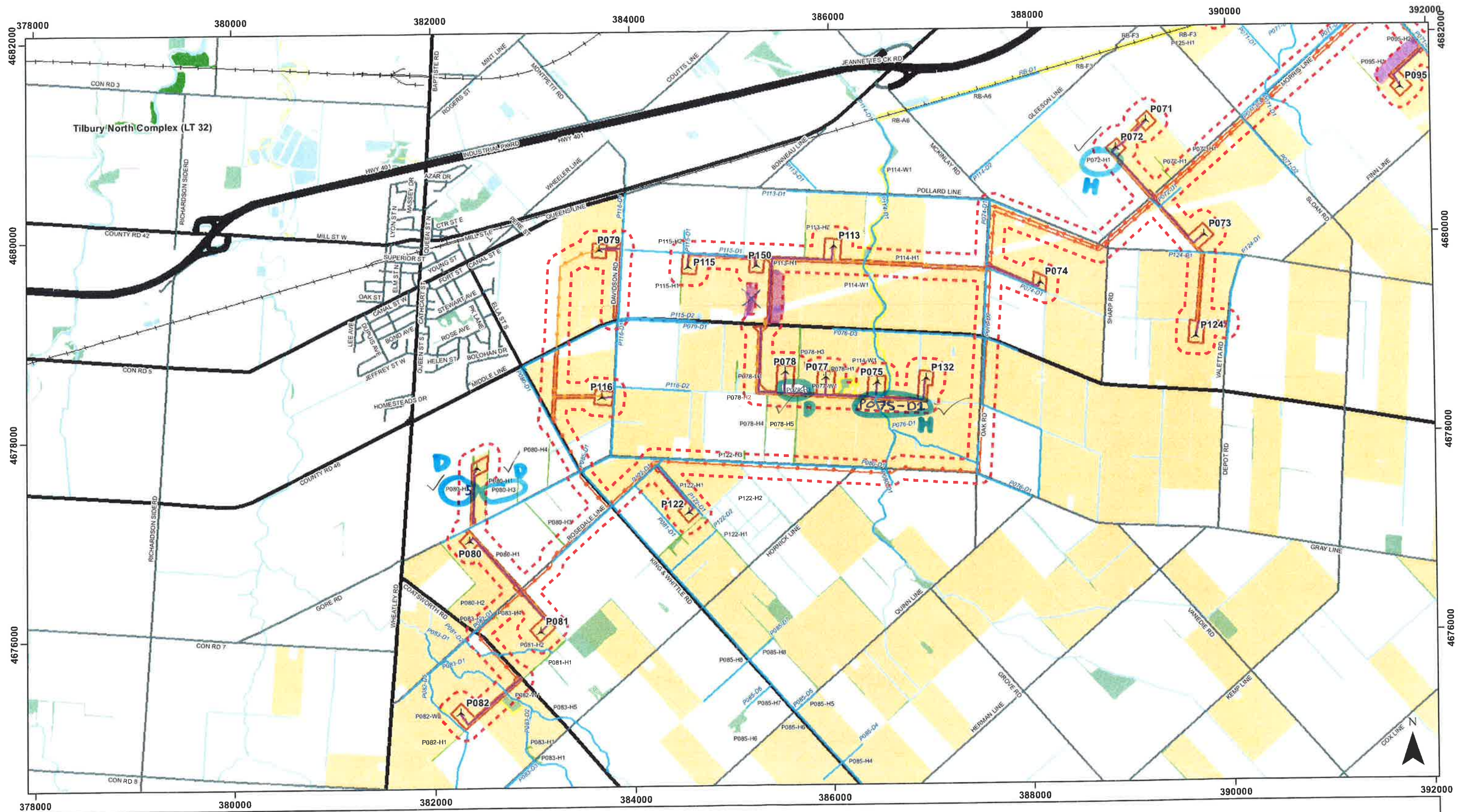


Figure 2-4
South Kent Wind Project
Vegetation Mapping

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 Aquatic, Terrestrial and Wetland Biologists

April 18, 2011
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Legend

- | | | | | |
|--|--|--|---|---|
| <ul style="list-style-type: none"> Project Area (April 18, 2011) Proposed Turbine (L010-R2) Electrical Substation Access Road Watercourse (Permanent) | <ul style="list-style-type: none"> Watercourse (NRSI) Highway Primary Road Secondary Road Railway | <ul style="list-style-type: none"> Waterbody Wetland Area Hedgerow Wooded Area Ecological Land Classification | <ul style="list-style-type: none"> ANSI, Life Science Provincially Significant Wetland South Kent Land Control | <ul style="list-style-type: none"> 230kV Distribution Line Poly Mounted Switch Substation Plough Zone E-Railed Substn Circuit (34.5kV) E-Sattern Substn Circuit (34.5kV) E-Sattern Under Ground Circuit E-Railed Under Ground Circuit |
|--|--|--|---|---|

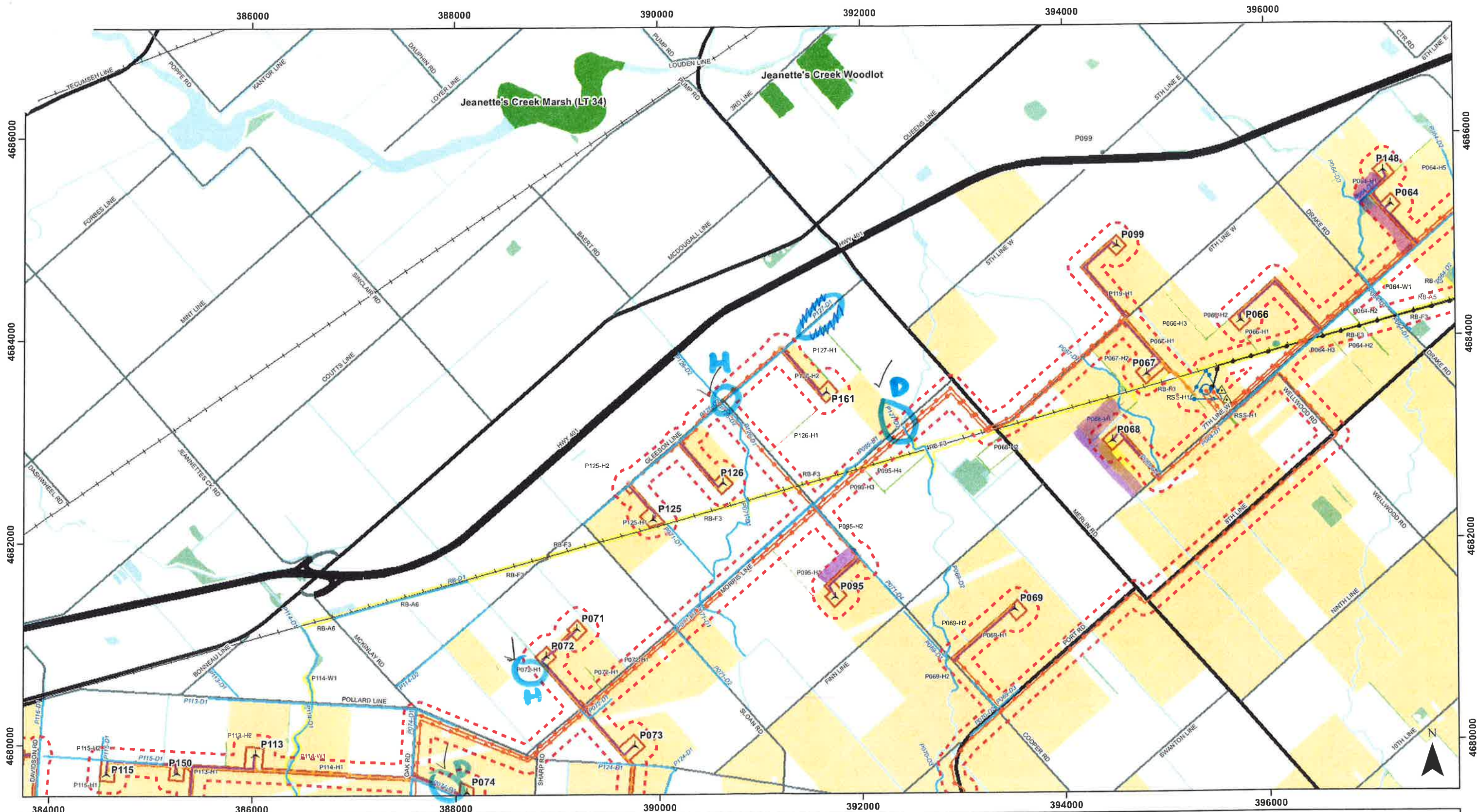


Figure 2-5
South Kent Wind Project
Vegetation Mapping

NATURAL RESOURCE SOLUTIONS INC.
 Aquatic, Terrestrial and Wetland Biologists

0 0.25 0.5 1 km

April 18, 2011
 Project No: NRSI-1184
 UTM Zone 17, NAD 83
 Scale: 1:35,000 (at 11x17")

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Legend

- | | | | | | |
|-------------------------------|--------------------|--------------------------------|----------------------------------|--------------------------------|-----------------------------------|
| Project Area (April 18, 2011) | Watercourse (NRSI) | Waterbody | ANSI, Life Science | 230kV Distribution Line | E-Railbed Substn Circuit (34.5kV) |
| Proposed Turbine (L010-R2) | Highway | Wetland Area | Provincially Significant Wetland | Poly Mounted Switch | E-Sattem Substn Circuit (34.5kV) |
| Electrical Substation | Primary Road | Hedgerow | South Kent Land Control | Substation | E-Sattem Under Ground Circuit |
| Access Road | Secondary Road | Wooded Area | Plough Zone | E-Railbed Under Ground Circuit | |
| Watercourse (Permanent) | Railway | Ecological Land Classification | | | |

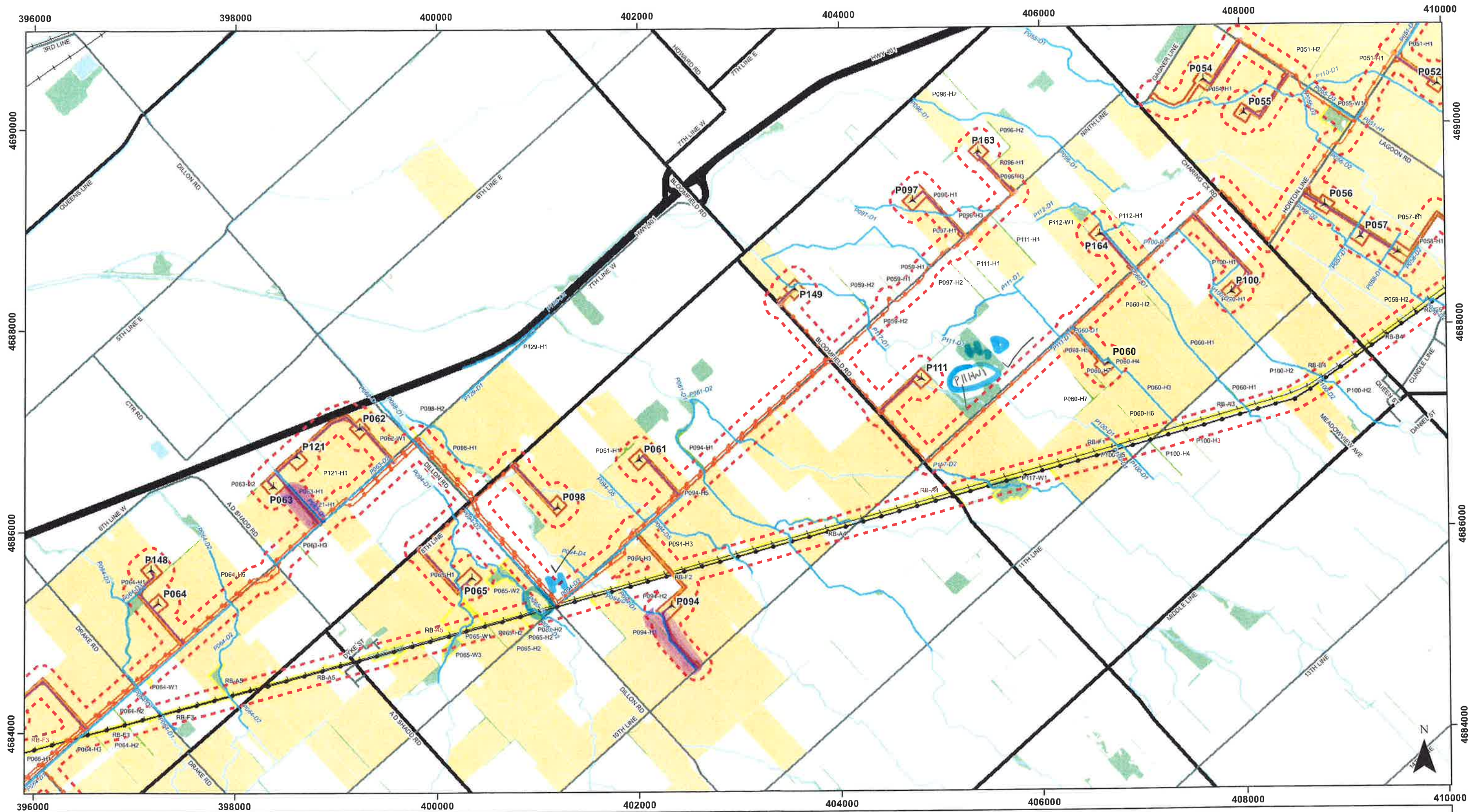


Figure 2-6
South Kent Wind Project
Vegetation Mapping

NATURAL RESOURCE SOLUTIONS INC.
 Aquatic, Terrestrial and Wetland Biologists

0 0.25 0.5 1 km

April 18, 2011
 Project No: NRS-1184
 UTM Zone 17, NAD 83
 Scale: 1:35,000 (at 11x17")

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Legend

- | | | | | | |
|-------------------------------|--------------------|--------------------------------|----------------------------------|-------------------------|-----------------------------------|
| Project Area (April 18, 2011) | Watercourse (NRSI) | Waterbody | ANSI, Life Science | 230kV Distribution Line | E-Railbed Substn Circuit (34.5kV) |
| Proposed Turbine (L010-R2) | Highway | Wetland Area | Provincially Significant Wetland | Poly Mounted Switch | E-Saturn Substn Circuit (34.5kV) |
| Electrical Substation | Primary Road | Hedgerow | South Kent Land Control | Substation | E-Saturn Under Ground Circuit |
| Access Road | Secondary Road | Wooded Area | | Plough Zone | E-Railbed Under Ground Circuit |
| Watercourse (Permanent) | Railway | Ecological Land Classification | | | |

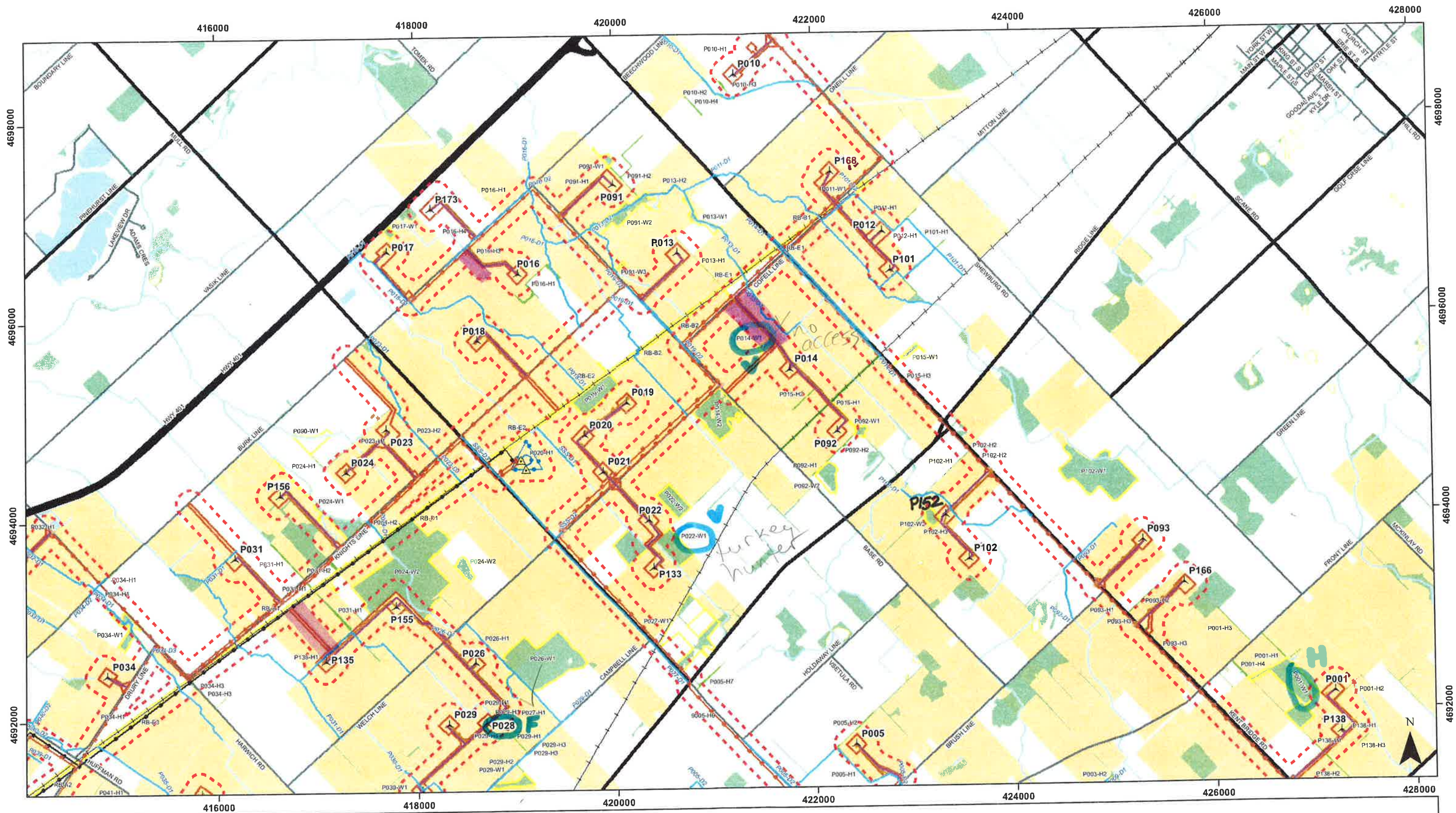


Figure 2-8
South Kent Wind Project
Vegetation Mapping

NATURAL RESOURCE SOLUTIONS INC.
 Aquatic, Terrestrial and Wetland Biologists

April 18, 2011
 Project No: NRSI-1184
 UTM Zone 17, NAD 83
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Legend

- | | | | |
|--|--|--|--|
| <ul style="list-style-type: none"> Project Area (April 18, 2011) Proposed Turbine (L010-R2) Electrical Substation Access Road Watercourse (Permanent) | <ul style="list-style-type: none"> Watercourse (NRSI) Highway Primary Road Secondary Road Railway | <ul style="list-style-type: none"> Waterbody Wetland Area Hedgerow Wooded Area Ecological Land Classification | <ul style="list-style-type: none"> ANSI, Life Science Provincially Significant Wetland South Kent Land Control 230kV Distribution Line Poly Mounted Switch Substation Plough Zone E-Railed Substn Circuit (34.5kV) E-Sattern Substn Circuit (34.5kV) E-Sattern Under Ground Circuit E-Railed Under Ground Circuit |
|--|--|--|--|

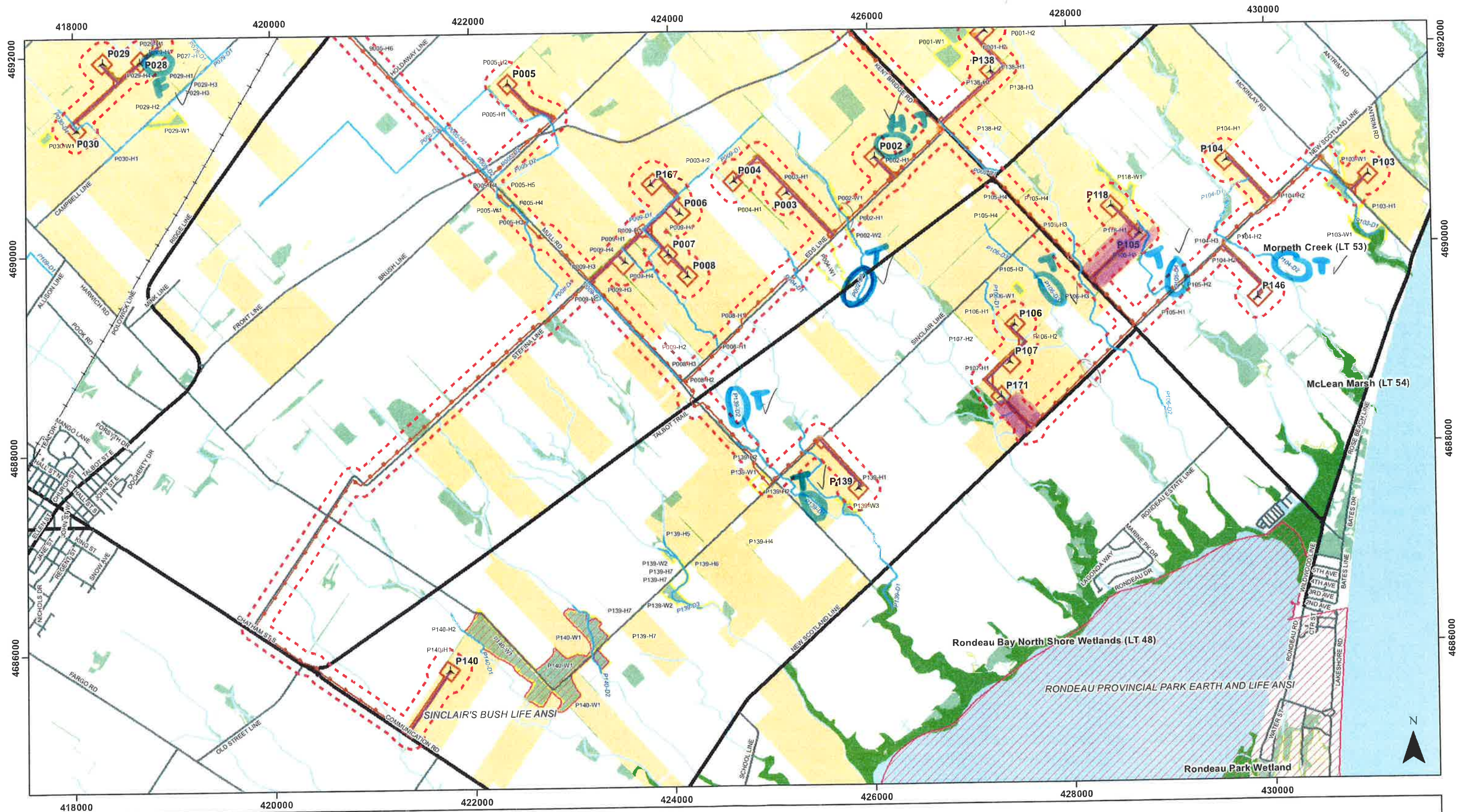


Figure 2-9
South Kent Wind Project
Vegetation Mapping

NATURAL RESOURCE SOLUTIONS INC.
 Aquatic, Terrestrial and Wetland Biologists

0 0.25 0.5 1 km

April 18, 2011
 Project No: NRSI-1184
 UTM Zone 17, NAD 83
 Scale: 1:35,000 (at 11x17")

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Legend

- | | | | | | |
|-------------------------------|--------------------|--------------------------------|----------------------------------|-------------------------------|-----------------------------------|
| Project Area (April 18, 2011) | Watercourse (NRSI) | Waterbody | ANSI, Life Science | 230kV Distribution Line | E-Railed Substn Circuit (34.5kV) |
| Proposed Turbine (L010-R2) | Highway | Wetland Area | Provincially Significant Wetland | Poly Mounted Switch | E-Sattern Substn Circuit (34.5kV) |
| Electrical Substation | Primary Road | Hedgerow | South Kent Land Control | Substation | E-Sattern Under Ground Circuit |
| Access Road | Secondary Road | Wooded Area | Plough Zone | E-Railed Under Ground Circuit | |
| Watercourse (Permanent) | Railway | Ecological Land Classification | | | |

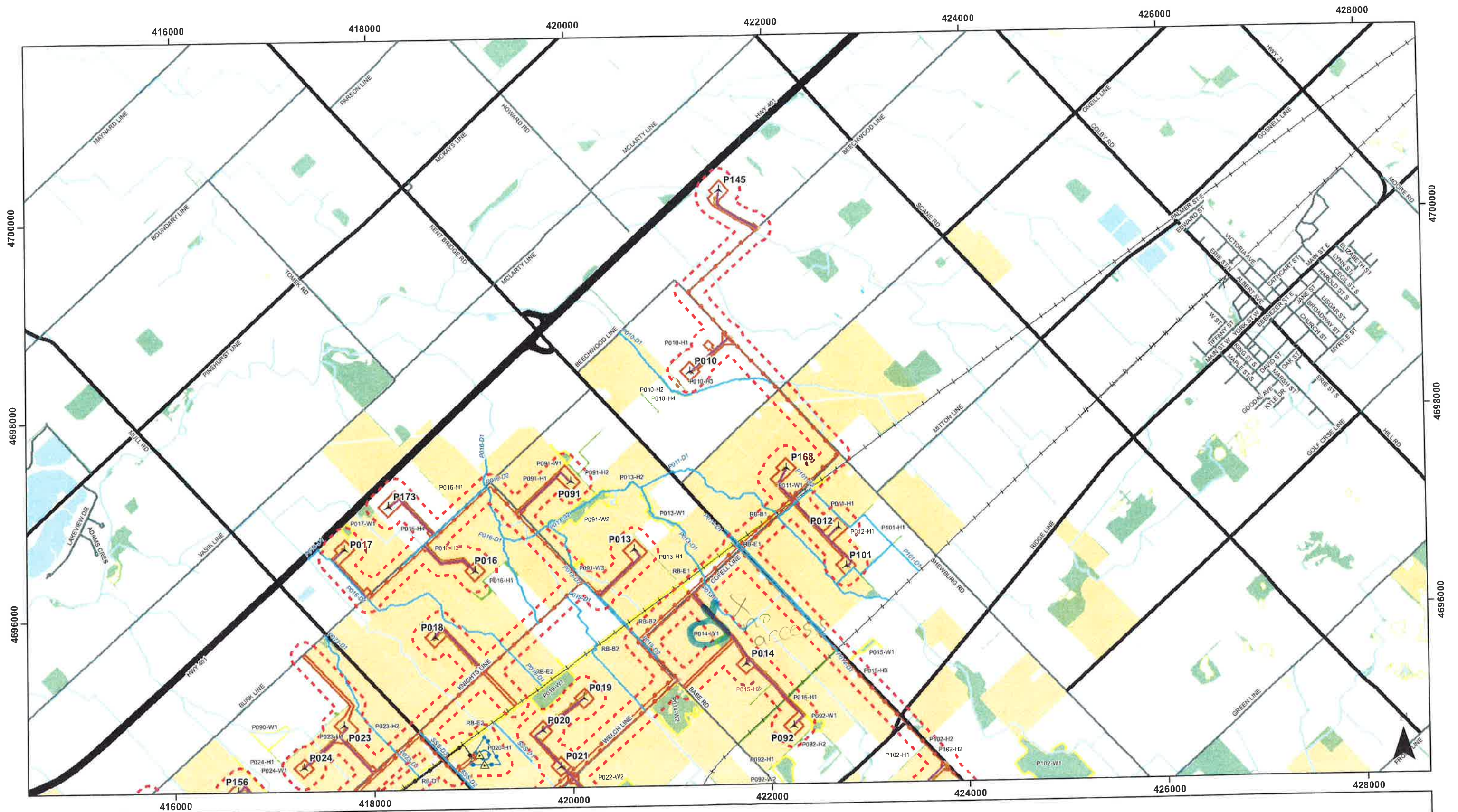


Figure 2-10
South Kent Wind Project
Vegetation Mapping

NATURAL RESOURCE SOLUTIONS INC.
 Aquatic, Terrestrial and Wetland Biologists

April 18, 2011
 Project No: NRSI-1184
 UTM Zone 17, NAD 83
 Scale: 1:35,000 (at 11x17")

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Legend

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|-------------------------------|--------------------|--------------------------------|----------------------------------|-------------------------|-----------------------------------|
| Project Area (April 18, 2011) | Watercourse (NRSI) | Waterbody | ANSI, Life Science | 230kV Distribution Line | E-Railbed Substn Circuit (34.5kV) |
| Proposed Turbine (L010-R2) | Highway | Wetland Area | Provincially Significant Wetland | Poly Mounted Switch | E-Sattern Substn Circuit (34.5kV) |
| Electrical Substation | Primary Road | Hedgerow | South Kent Land Control | Substation | E-Sattern Under Ground Circuit |
| Access Road | Secondary Road | Wooded Area | | Plough Zone | E-Railbed Under Ground Circuit |
| Watercourse (Permanent) | Railway | Ecological Land Classification | | | |