THE pebble PARTNERSHIP

Pre-Permitting Environmental / Socio-Economic Data Report Series

Report Series N- Terrestrial Wildlife and Habitats

Report N-2
Raptor Figures
2004-2007

Submitted to the Alaska Department of Natural Resources January 2010

Preliminary data. Do not cite or quote.

The Pebble Partnership is providing environmental and socio-economic baseline data collected to inform the development of the Pebble Project to state and federal agencies, project stakeholders and the general public prior to project permitting as part of its commitment to full and open disclosure.

A comprehensive Environmental Baseline Document (EBD) will subsequently be prepared and appended to future project permit applications. The EBD will also be made publicly available when complete.

Collected for the Pebble Partnership by:

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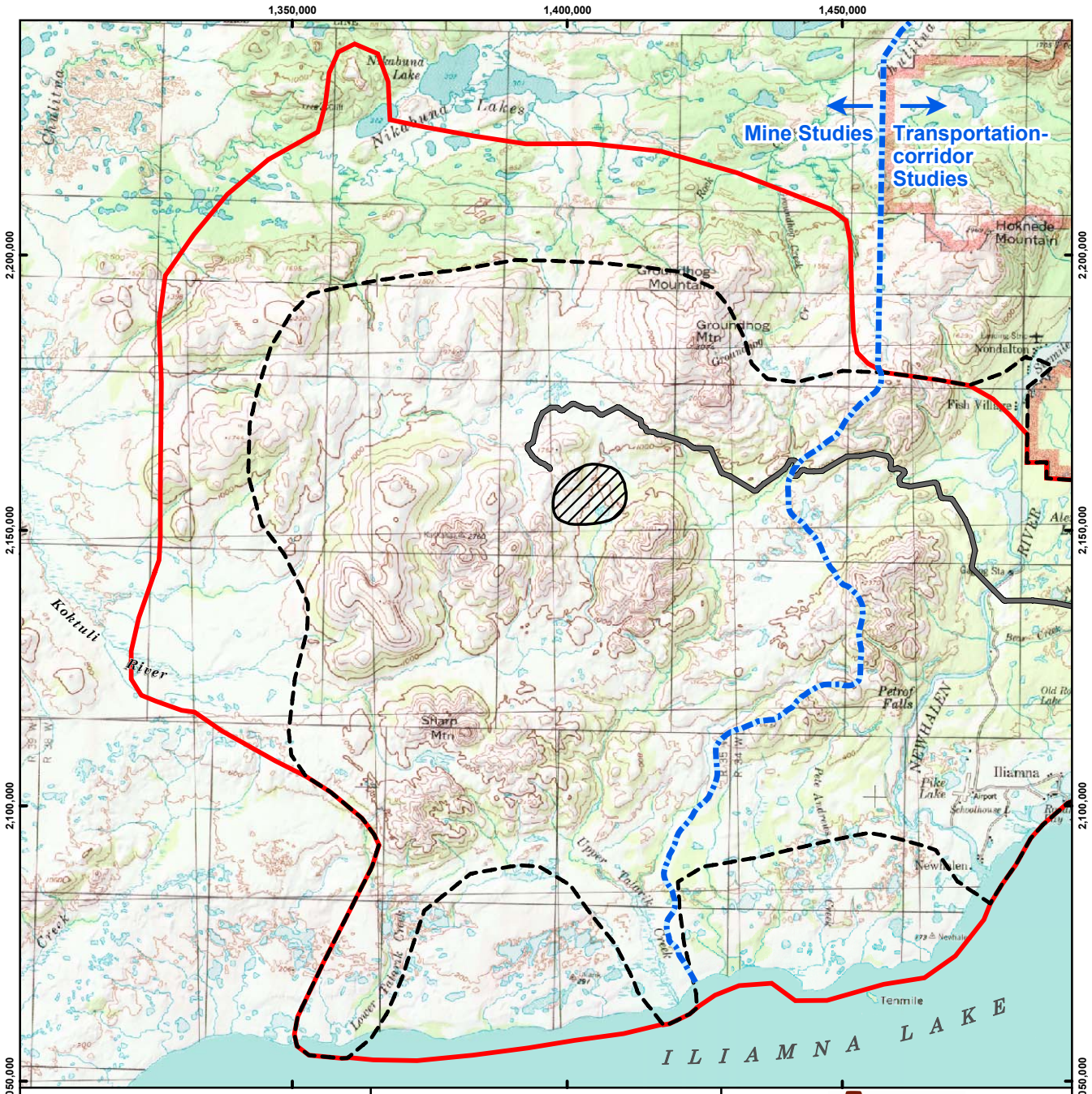

Miles 0 2 4 6

Kilometers 0 2 4 6 8 10

N

Scale 1:340,000

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

Legend

- 2004 Raptor Survey Area
- 2005 Raptor Survey Area
- General Deposit Location
- Possible Road Alignment

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Figure N-2.1

Survey Areas for Raptors, Mine Study Area, 2004 and 2005

Preliminary Data Only
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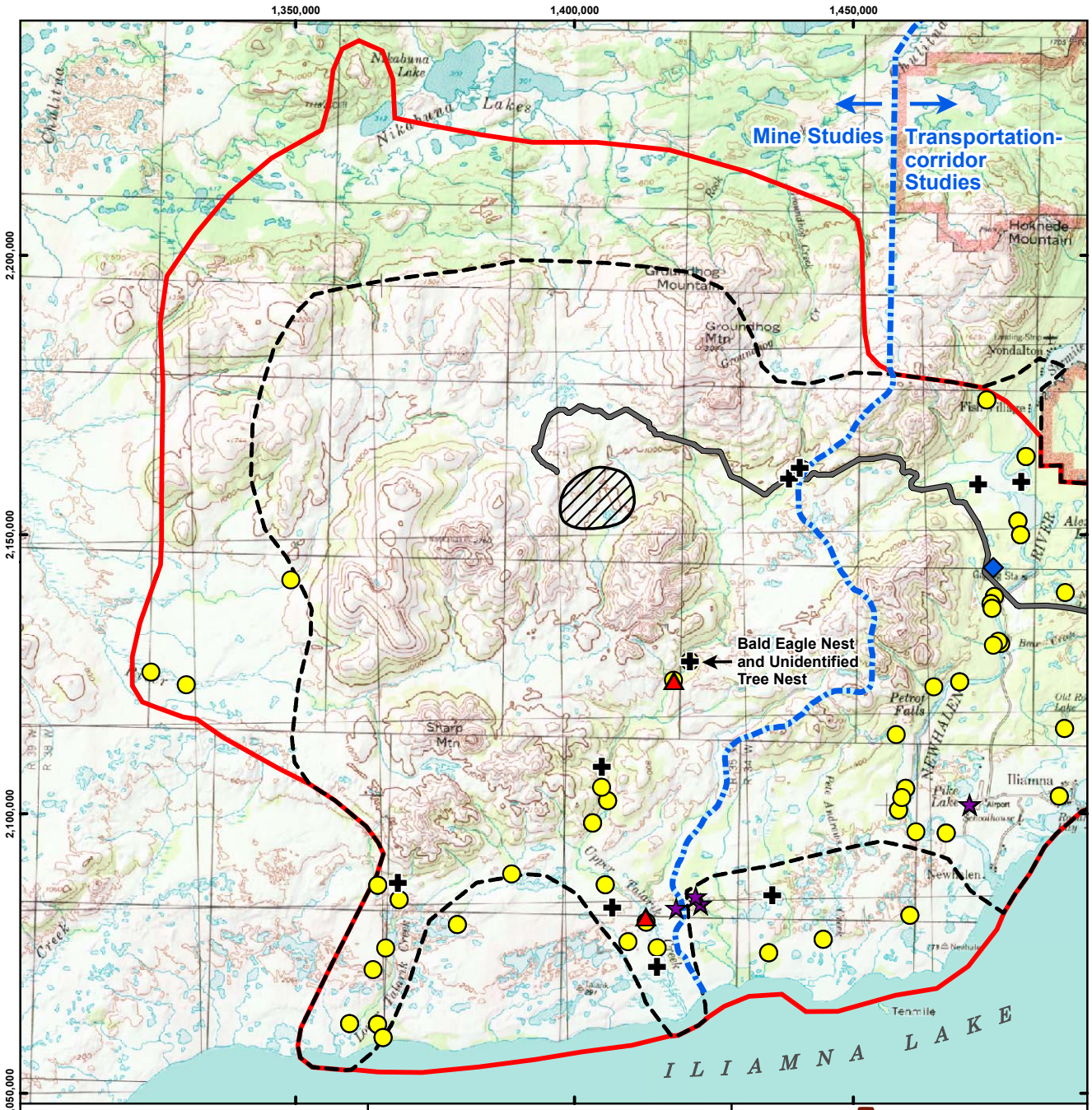

0 2 4 6 Miles

0 2 4 6 8 10 Kilometers

N

Scale 1:340,000

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

Legend

- Osprey
- Bald Eagle
- Red-tailed Hawk
- Great Horned Owl
- Unidentified Raptor

2004 Raptor Survey Area

2005 Raptor Survey Area

General Deposit Location

Possible Road Alignment

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Figure N-2.2
Raptor Nest Distribution, (Osprey, Bald Eagle, Red-tailed Hawk, Great Horned Owl, Unidentified Raptor), Mine Study Area, 2004 and 2005

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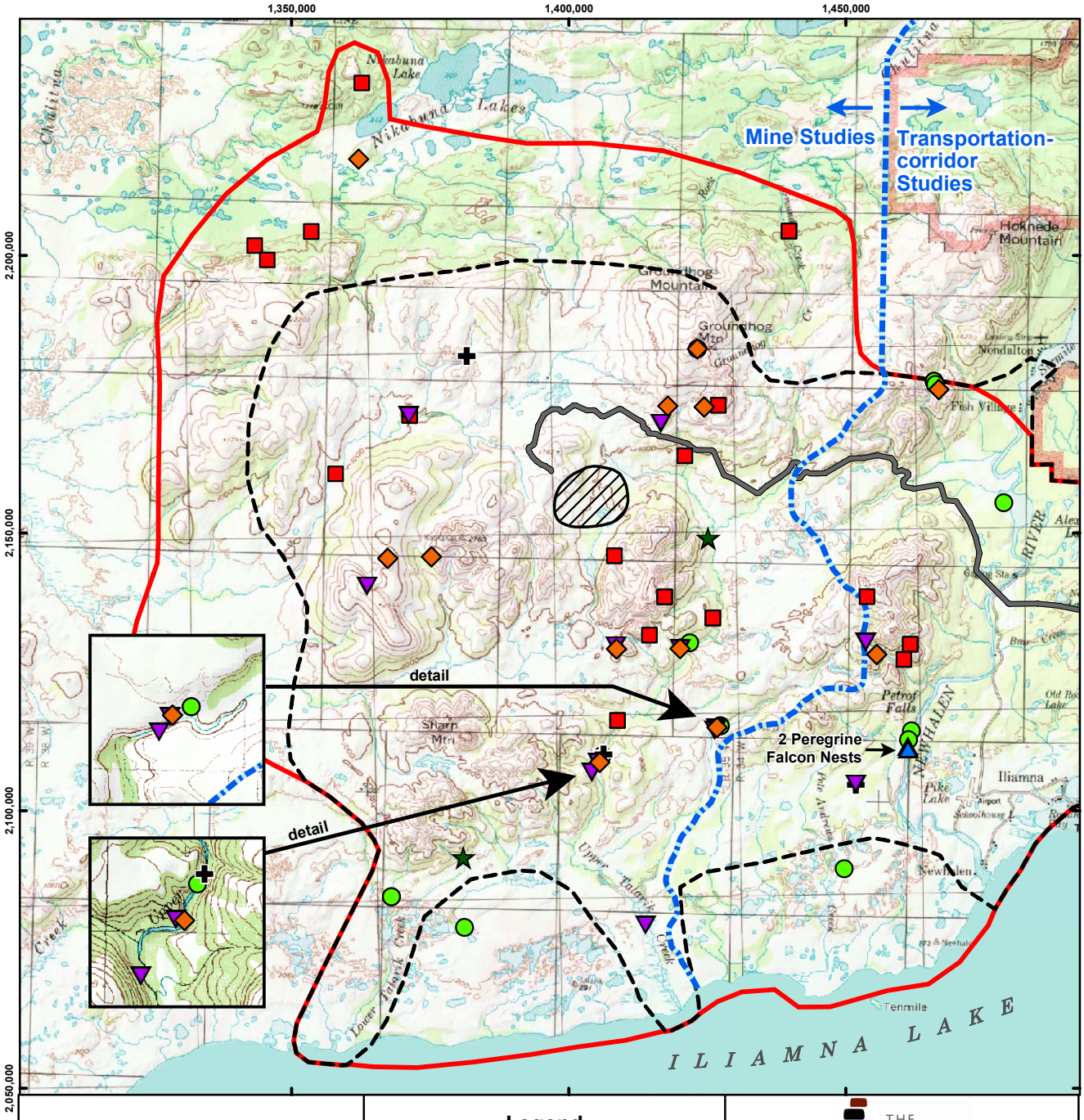

0 2 4 6 Miles

0 2 4 6 8 10 Kilometers

N

Scale 1:340,000

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

Legend

- Golden Eagle
- Gyrfalcon
- Rough-legged Hawk
- Unidentified Raptor
- Merlin
- Common Raven
- Peregrine Falcon
- 2004 Raptor Survey Area
- 2005 Raptor Survey Area
- General Deposit Location
- Possible Road Alignment

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Figure N-2.3

Raptor Nest Distribution, (Golden Eagle, Rough-legged Hawk, Merlin, Peregrine Falcon, Gyrfalcon, Unidentified Raptor, Common Raven), Mine Study Area, 2004 and 2005

Preliminary Data Only
Do Not Cite or Quote

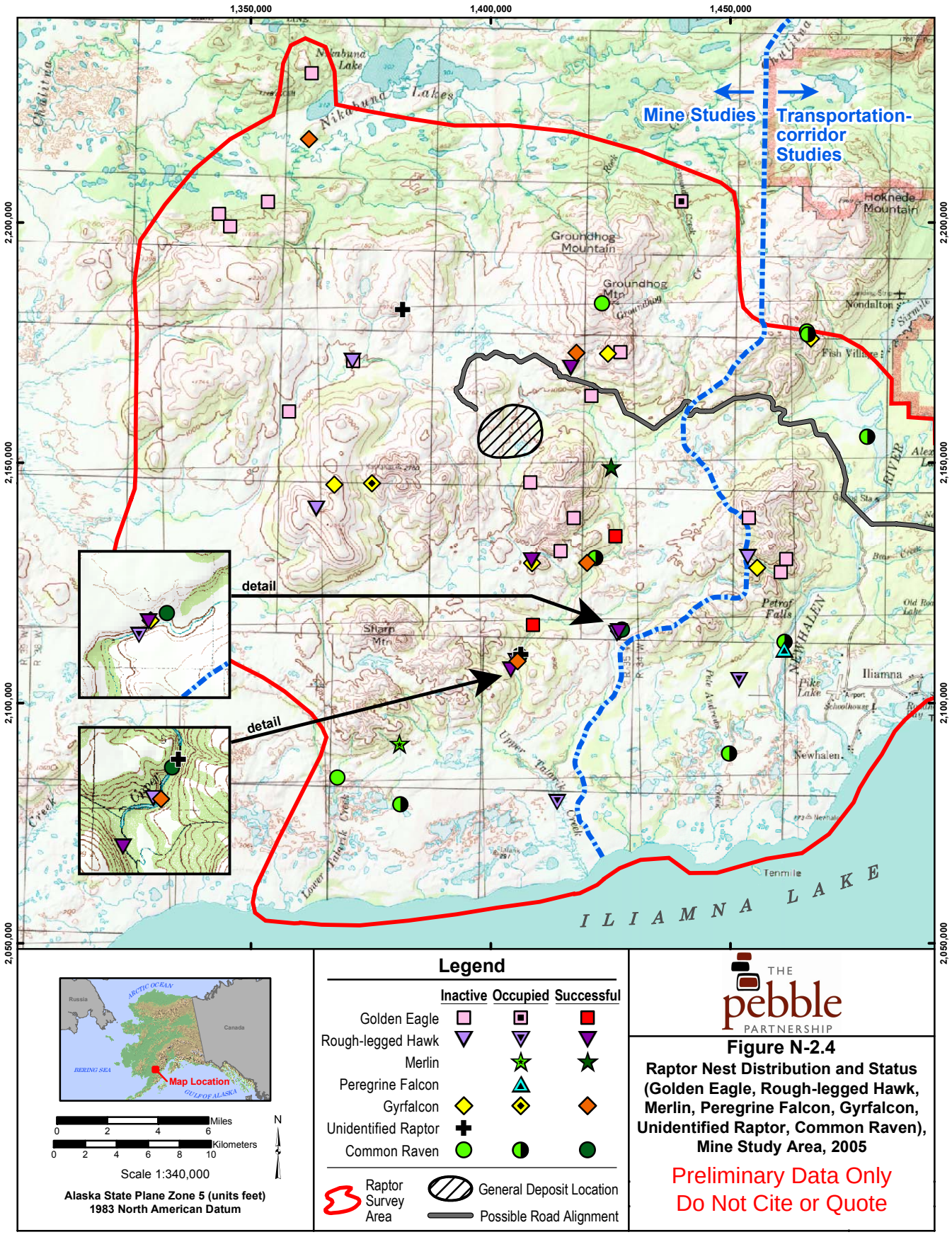
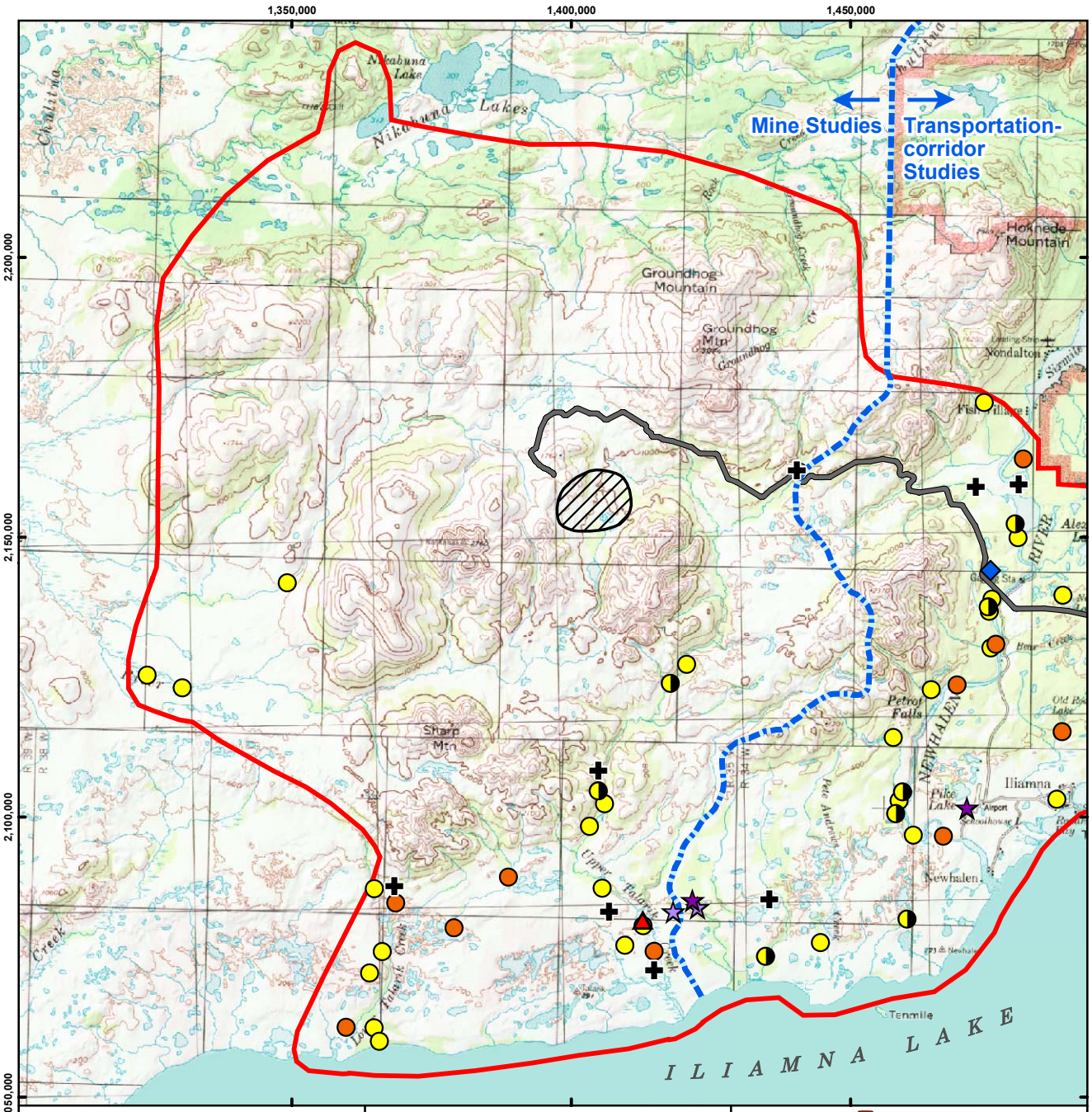


Figure N-2.4

Raptor Nest Distribution and Status (Golden Eagle, Rough-legged Hawk, Merlin, Peregrine Falcon, Gyrfalcon, Unidentified Raptor, Common Raven), Mine Study Area, 2005

Preliminary Data Only
Do Not Cite or Quote



Miles 0 2 4 6

Kilometers 0 2 4 6 8 10

N

Scale 1:340,000

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

Legend

	Inactive	Occupied	Successful
Osprey	☆		★
Bald Eagle	○	◑	●
Red-tailed Hawk			◆
Great Horned Owl			▲
Unidentified Raptor	✚		

Raptor Survey Area

General Deposit Location

Possible Road Alignment

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Figure N-2.5
Raptor Nest Distribution and Status, (Osprey, Bald Eagle, Red-tailed Hawk, Great Horned Owl, Unidentified Raptor), Mine Study Area, 2005

Preliminary Data Only
Do Not Cite or Quote

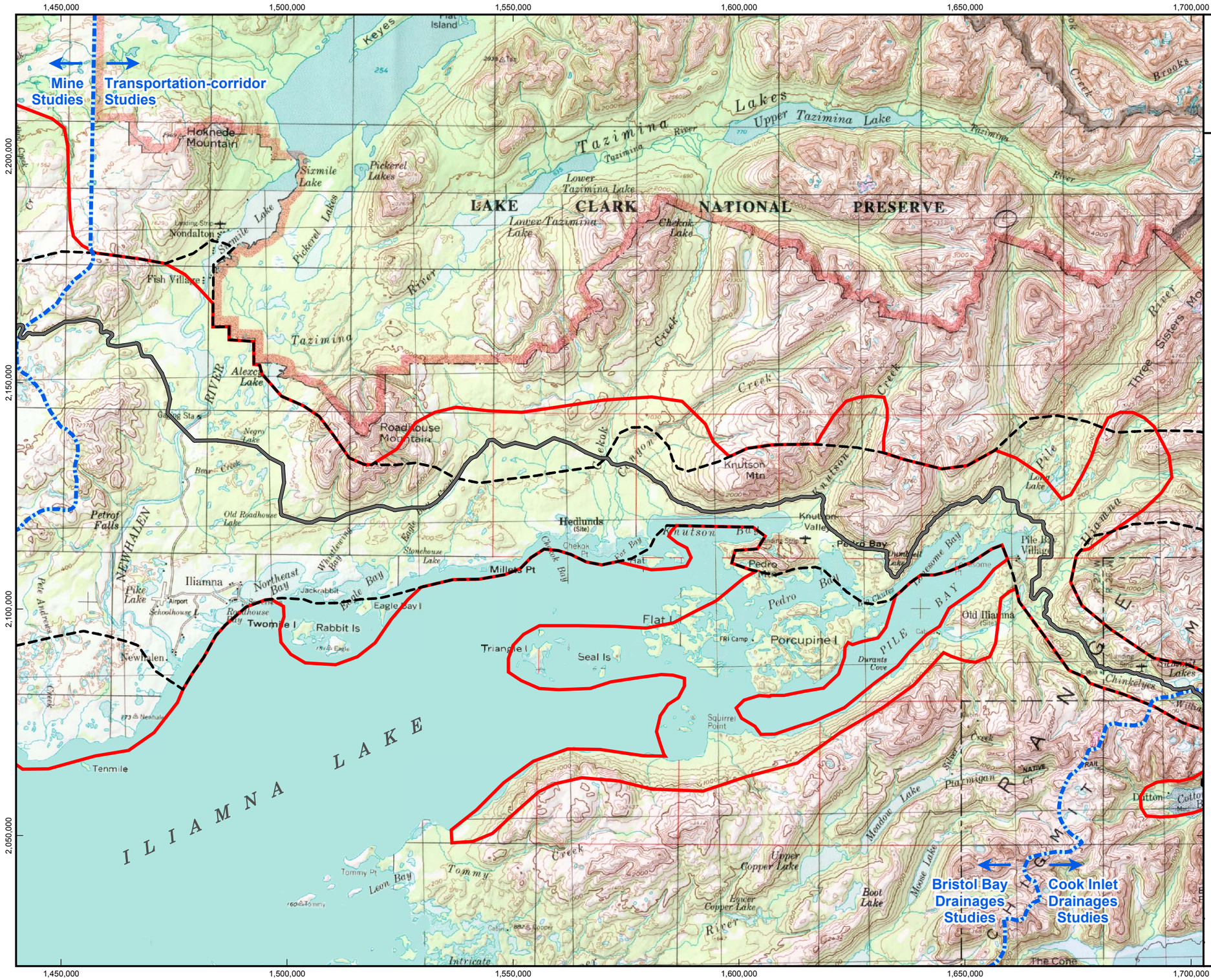

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Figure N-2.6
Survey Areas for Raptors, Bristol Bay Drainages, Transportation-corridor Study Area, 2004 and 2005

Preliminary Data Only
Do Not Cite or Quote

Legend

- 2004 Raptor Survey Area
- 2005 Raptor Survey Area
- Possible Road Alignment

0 2 4 6 8 Miles

0 2 4 6 8 10 12 Kilometers

N

Scale 1:260,000

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

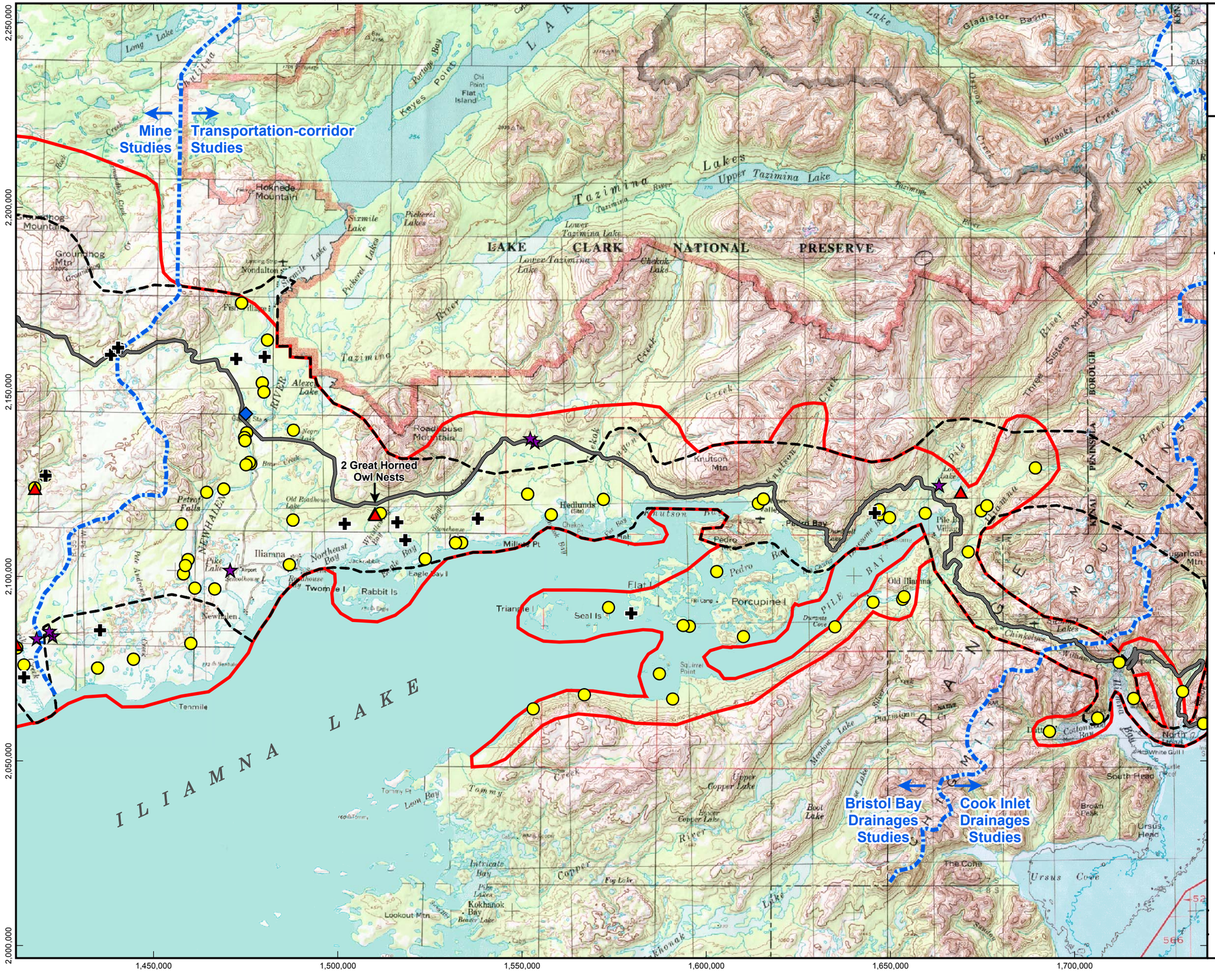

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Figure N-2.7
Raptor Nest Distribution, (Osprey, Bald Eagle, Red-tailed Hawk, Great Horned Owl, Unidentified Raptor), Bristol Bay Drainages, Transportation-corridor Study Area, 2004 and 2005

Preliminary Data Only
Do Not Cite or Quote

Legend

- Osprey
- Bald Eagle
- Red-tailed Hawk
- Great Horned Owl
- Unidentified Raptor
- 2004 Raptor Survey Area
- 2005 Raptor Survey Area
- Possible Road Alignment

Miles
0 2 4 6 8 10

Kilometers
0 2 4 6 8 10 12 14 16

N

Scale 1:320,000

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

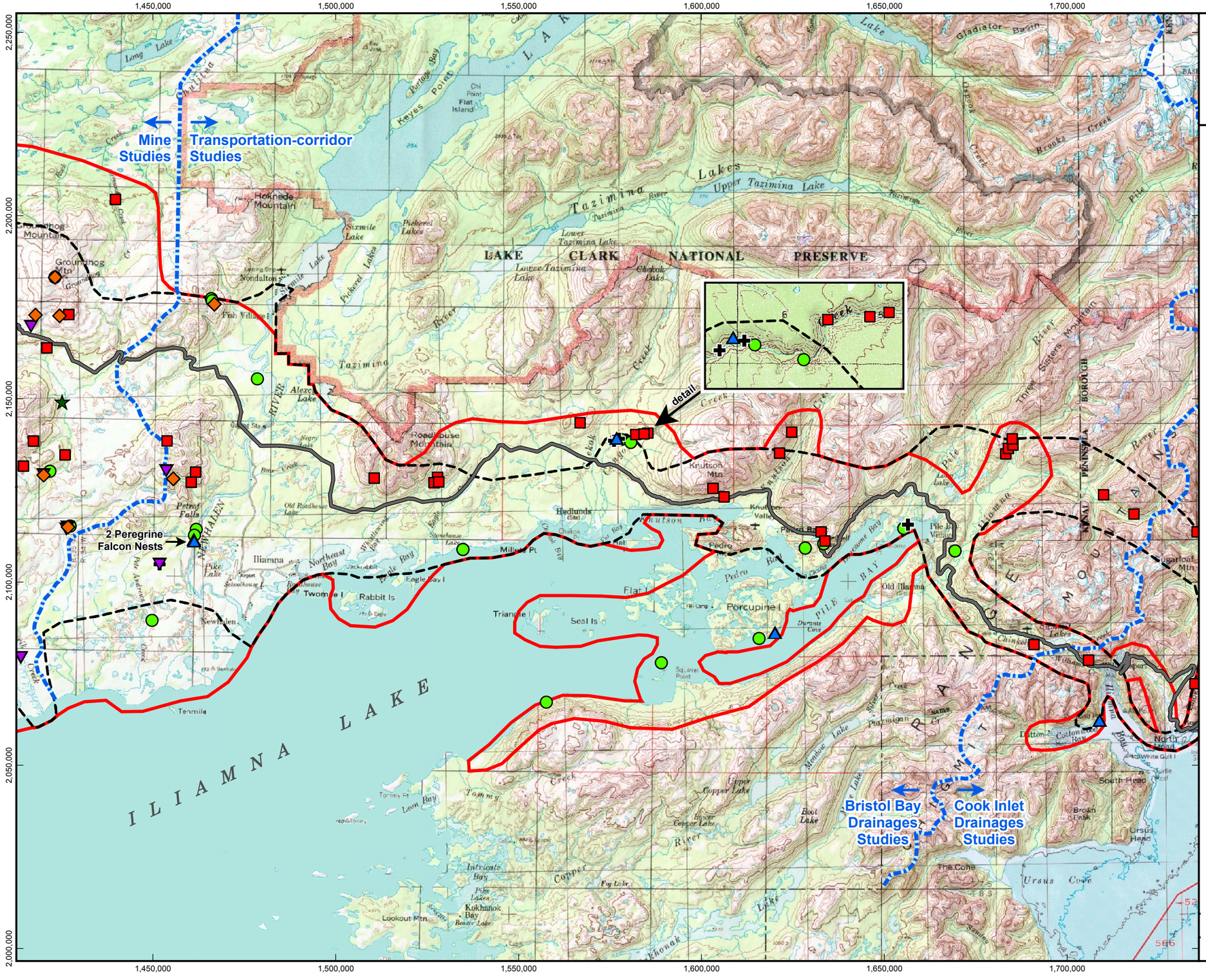

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Figure N-2.8
Raptor Nest Distribution, (Golden Eagle, Rough-legged Hawk, Merlin, Peregrine Falcon, Gyrfalcon, Unidentified Raptor, Common Raven), Bristol Bay Drainages, Transportation-corridor Study Area, 2004 and 2005

Preliminary Data Only
Do Not Cite or Quote

Legend

- Golden Eagle
- Rough-legged Hawk
- Merlin
- Peregrine Falcon
- Gyrfalcon
- Unidentified Raptor
- Common Raven

- 2004 Raptor Survey Area
- 2005 Raptor Survey Area
- Possible Road Alignment

Miles
0 2 4 6 8 10

Kilometers
0 2 4 6 8 10 12 14 16

N

Scale 1:320,000

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

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Figure N-2.9

Raptor Nest Distribution and Status (Golden Eagle, Rough-legged Hawk, Peregrine Falcon, Gyrfalcon, Unidentified Raptor, Common Raven), Bristol Bay Drainages, Transportation-corridor Study Area, 2005

Preliminary Data Only
Do Not Cite or Quote

Legend

	Inactive	Occupied	Successful
Golden Eagle	■ (pink)	■ (pink, dot)	■ (red)
Rough-legged Hawk	▼ (light purple)	▼ (outlined)	▼ (purple)
Merlin			★
Peregrine Falcon		▲ (cyan)	▲ (blue)
Gyrfalcon	◆ (yellow)		◆ (orange)
Unidentified Raptor	✚		
Common Raven	● (light green)	◐	● (dark green)

Raptor Survey Area

Possible Road Alignment

Miles: 0 2 4 6 8 10

Kilometers: 0 2 4 6 8 10 12 14 16

N

Scale 1:320,000

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

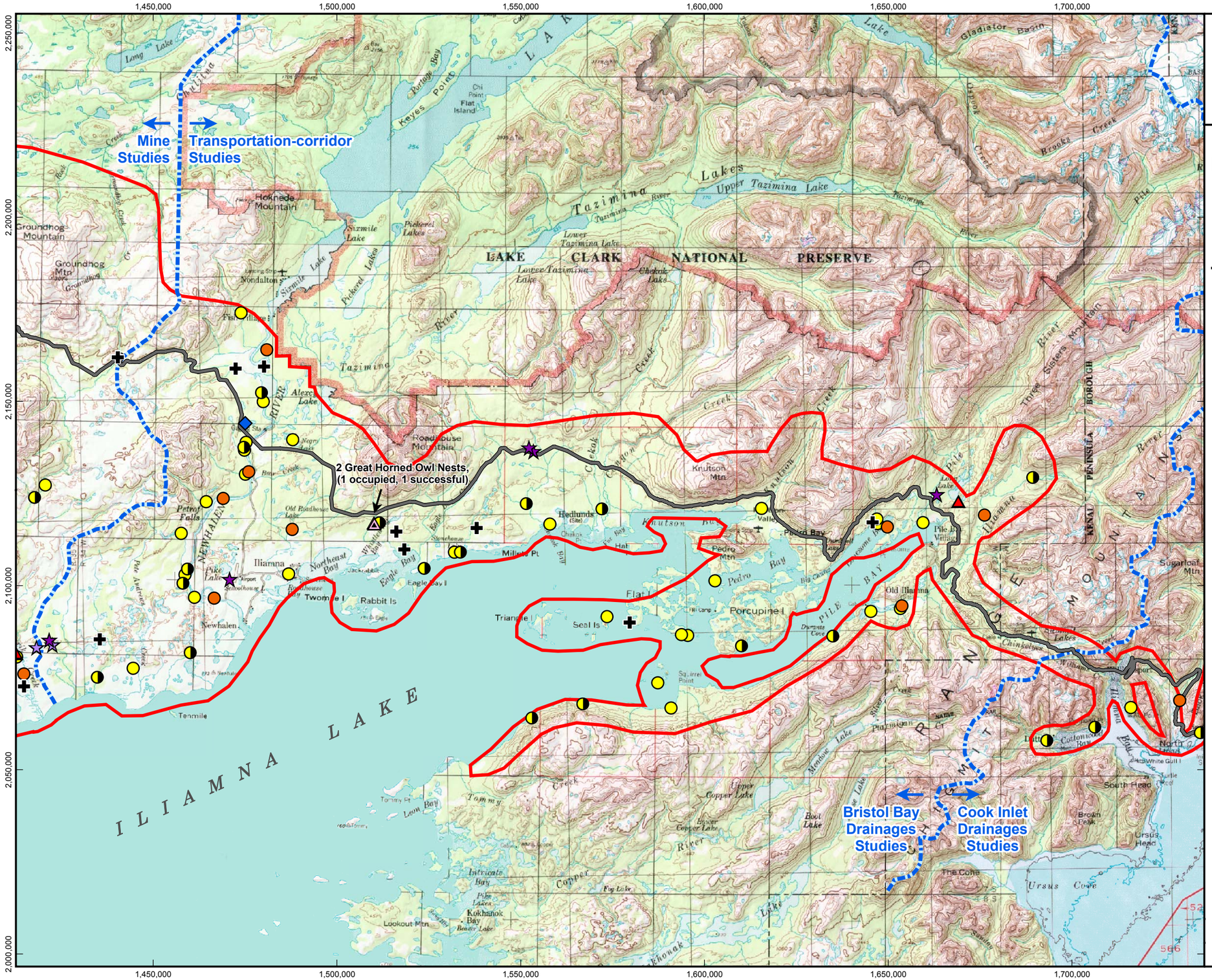

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Figure N-2.10
Raptor Nest Distribution and Status (Osprey, Bald Eagle, Red-tailed Hawk, Great Horned Owl, Unidentified Raptor), Bristol Bay Drainages, Transportation-corridor Study Area, 2005

Preliminary Data Only
Do Not Cite or Quote

Legend

	Inactive	Occupied	Successful
Osprey	☆		★
Bald Eagle	●	◐	●
Red-tailed Hawk			◆
Great Horned Owl		△	▲
Unidentified Raptor	✚		

Raptor Survey Area

Possible Road Alignment

Miles 0 2 4 6 8 10

Kilometers 0 2 4 6 8 10 12 14 16

N

Scale 1:320,000

Alaska State Plane Zone 5 (units feet)
1983 North American Datum