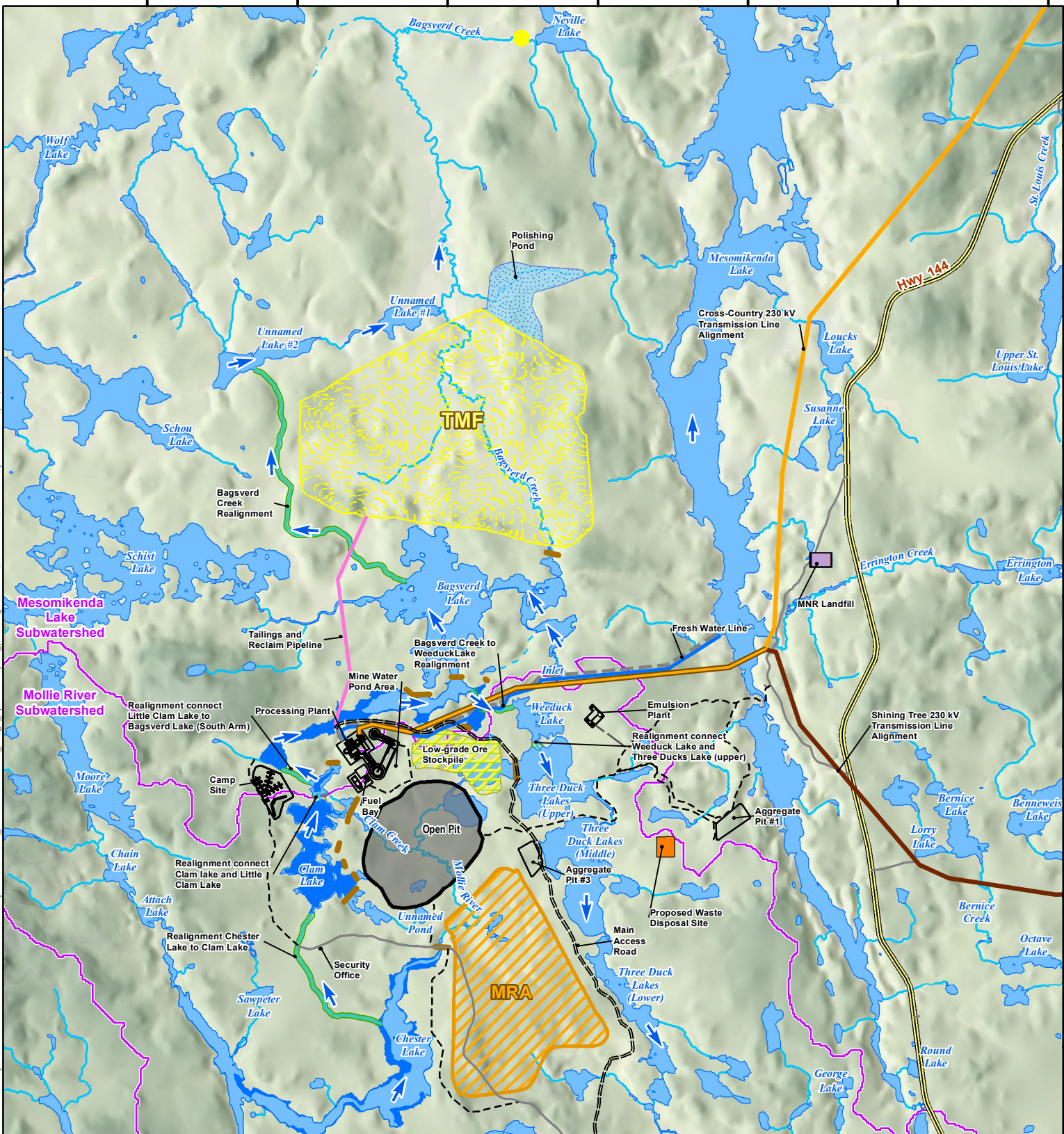


FIGURES





Path: P:\EM\Projects\2012\TC121522 IAMGOLD Cole Project\GIS\EA\EA_DRAFT\TMX\Draft_4\Fig1_2\preliminarysite_polishingPond.mxd, Author: SM, modified by sandra.marquez, 24 November 2014

LEGEND

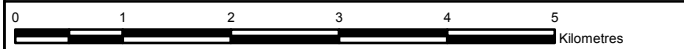
Existing Intermittent Watercourse	Open Pit	Fresh Water
Existing Permanent Watercourse	Potential Discharge Locations	Watercourse Realignment
Existing Waterbodies	Facilities	Proposed Water Flow Direction
Highway	Dam	Proposed Lake Area
Local Road	Access Road	Polishing Pond
Subwatershed Boundary	Cross-Country 230 kV Transmission Line Alignment	Low-grade Ore Stockpile
Wooded Area	Shining Tree 230 kV Transmission Line Alignment	Proposed Mine Rock Area (MRA)
	Tailings and Reclaim Pipeline	Proposed Tailings Management Facility (TMF)
		Proposed Landfill
		MNR Landfill

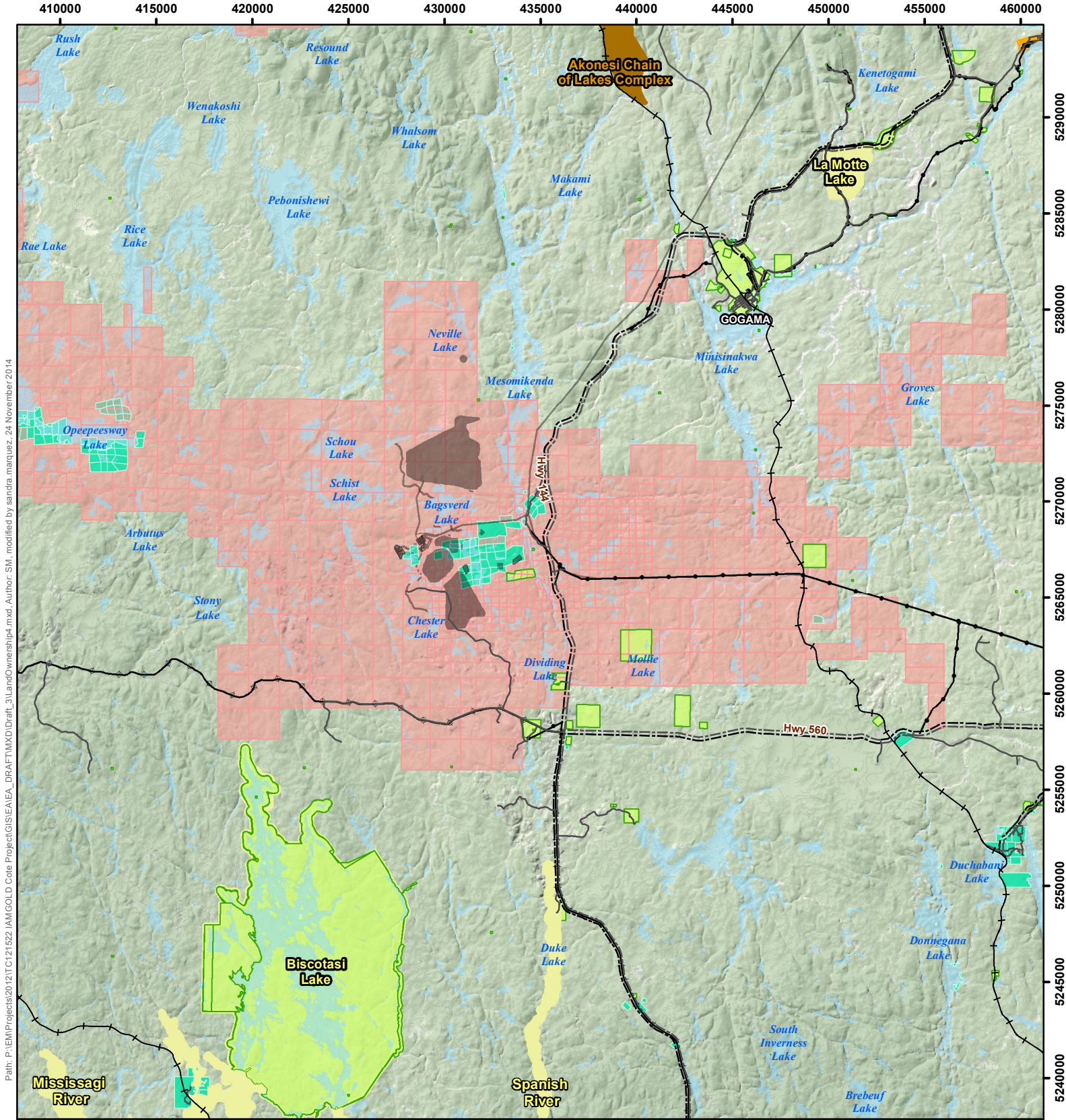
NOTES:

- Ontario base data extracted from Land Information Ontario (MNR)
- TMF and subwatershed provided by Golder Associates.
- Watercourse realignment and proposed lake area provided by Calder Engineering.
- Surface infrastructure, open pit, landfill, MRA and transmission lines provided by IAMGOLD.

Datum: NAD83
Projection: UTM Zone 17N

<h2>CÔTÉ GOLD PROJECT</h2>	
<h3>Preliminary Site Plan</h3>	
PROJECT N°: TC121522	FIGURE: 1-2
SCALE: 1:70,000	DATE: December 2014





Path: P:\EMIP\Projects\2012\TC121522_IAMGOLD Cote Project\GIS\EA\EA_DRAFT\MXD\Draft_3\LandOwnership\p4.mxd, Author: SM, modified by sandra.marquez, 24 November 2014

LEGEND

- Proposed Site Facilities
- Crown Land Tenure**
- Alienation Area of Crown Land (active withdrawals and notifications)
- Disposition Area of Crown Land (active patent, lease or license of occupation)
- Active Claim Area of Crown Land (active staked land)
- Railway
- Highway/Expressway
- Local Road
- Communications Line
- Existing Transmission Line
- Waterbody / Large Watercourse
- Wooded Area
- First Nation Reserve
- Conservation Reserve (Regulated)
- Provincial Park

NOTES:
 - All base data on this map was extracted from Land Information Ontario, MNDM, OBM Ontario Digital Geospatial Database and Ontario Road Network Database.
 - Active mining claims, dispositions and alienation lands were downloaded from claimap services, MNDM, June, 2013



CÔTÉ GOLD PROJECT
Active Mining Claims, Disposition Land and Alienation Land

Datum: NAD83
 Projection: UTM Zone 17N



PROJECT N^o: TC121522

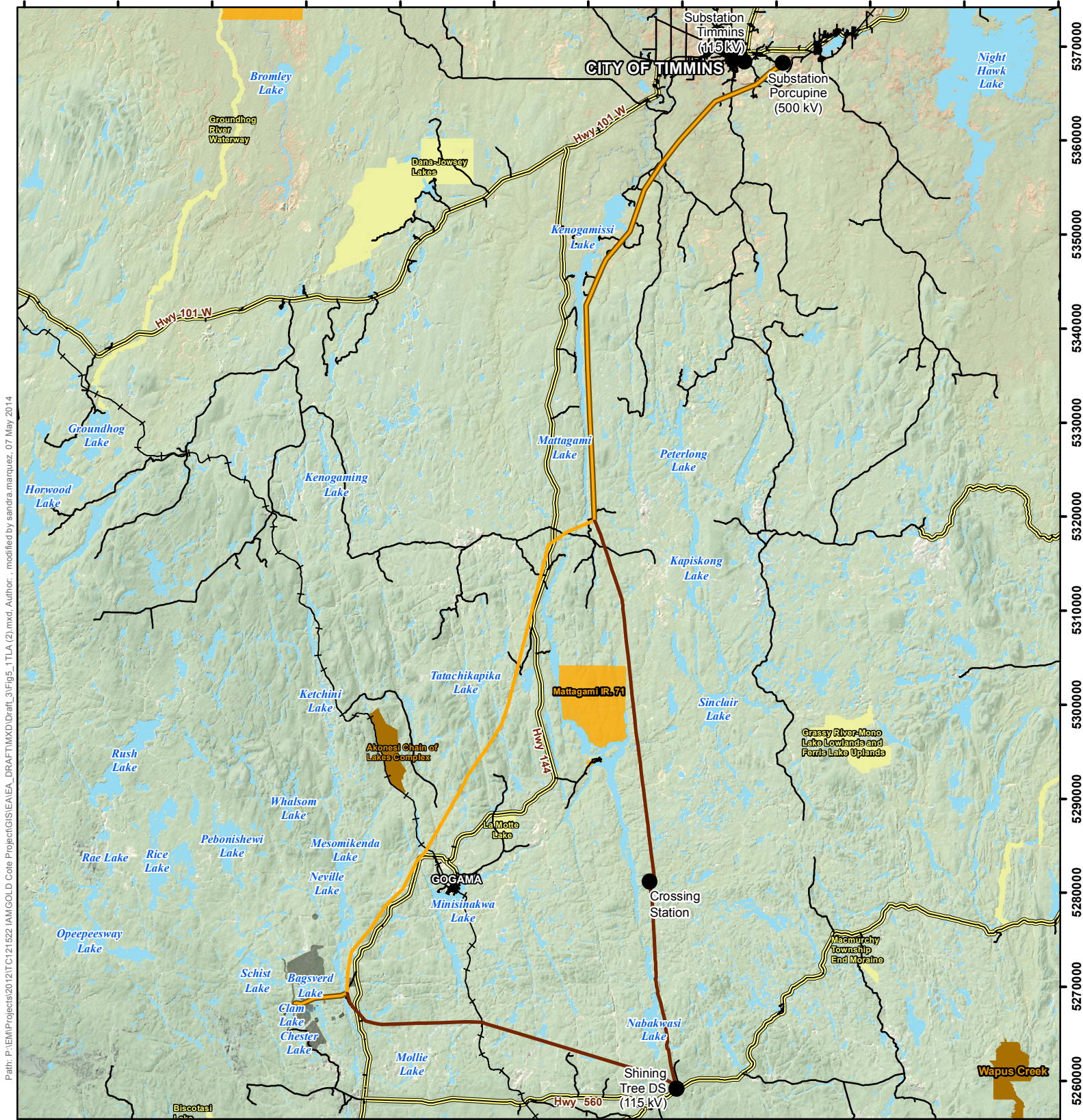
FIGURE: 1-3

SCALE: 1:265,000

DATE: December 2014



400000 410000 420000 430000 440000 450000 460000 470000 480000 490000 500000 510000



Path: P:\EM\Projects\2012\TC121522_IAMGOLD Cote Project\GIS\EA\EA_DRAFT\MXD\Draft_3\Fig5_1TLA (2).mxd, Author: , modified by sandra.marquez, 07 May 2014

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LEGEND

- | | | | |
|--|---|--|----------------------------------|
| | Proposed Site Facilities | | Railway |
| | Proposed Cross-Country 230 kV Transmission Line Alignment | | Highway/Expressway |
| | Proposed Shining Tree 230 kV Transmission Line Alignment | | Local Road |
| | Waterbody / Large Watercourse | | First Nation Reserve |
| | Wooded Area | | Conservation Reserve (Regulated) |
| | | | Provincial Park |

NOTES:
 - All base data on this map was extracted from Land Information Ontario, MNDM, OBM Ontario Digital Geospatial Database and Ontario Road Network Database.



CÔTÉ GOLD PROJECT

Proposed Transmission Line Alignment Alternatives

Datum: NAD83
 Projection: UTM Zone 17N

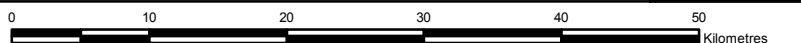


PROJECT N°: TC121522

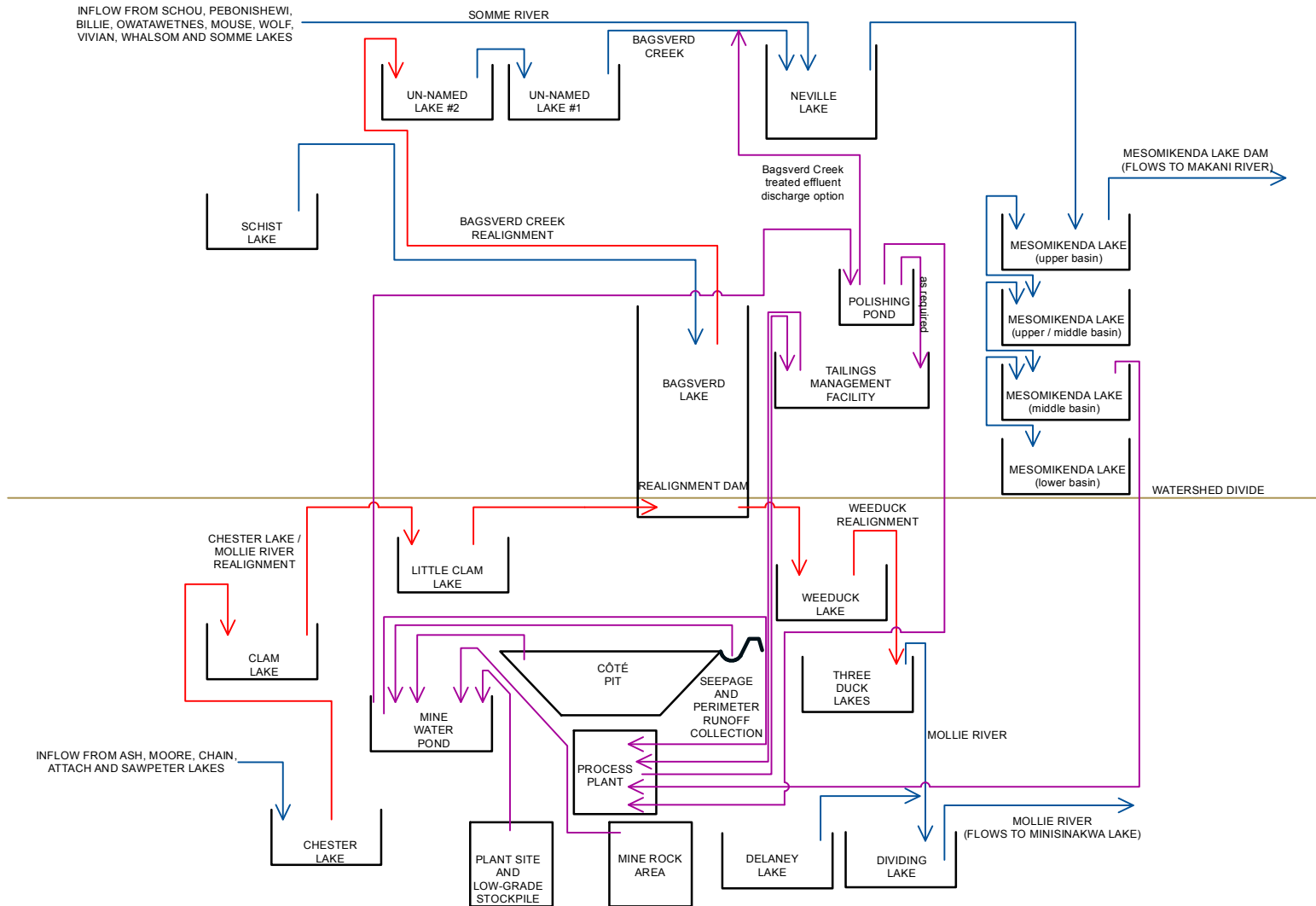
FIGURE: 5-1

SCALE: 1:550,000

DATE: April 2014



Path: P:\EM\Projects\2012\TC121522\IAMGOLD_Cote\Project\GIS\EA\EA_DRAFT\IXDD\Draft_3\PropWaterManagementSystem_3.mxd, Author: sm, modified by: sandra.marquez, 22 January 2015



LEGEND

- Existing Natural Flow Direction
- Realignment Flow Direction
- Process Water Flow Direction

NOTES:
 - Operation's Phase Flow Schematic for Water Management.
 Source: Golder Associates, 2014



CÔTÉ GOLD PROJECT

Proposed Water Management System

Datum: NAD83
 Projection: UTM Zone 17N



PROJECT N^o: TC121522

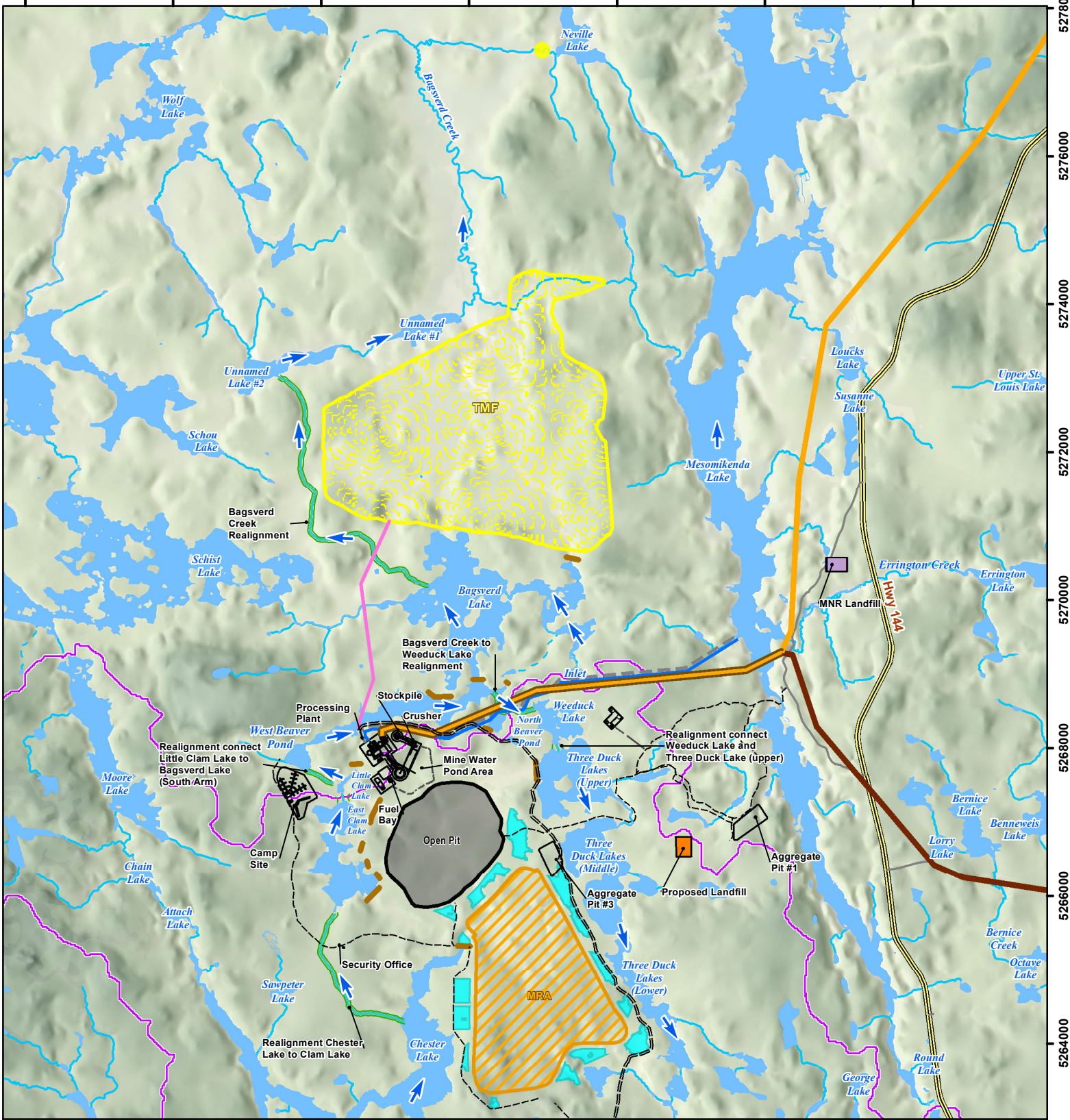
FIGURE: 5-2

Not to Scale

DATE: January 2015

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Path: P:\EM\Projects\2012\TC121522\IAMGOLD\Code\Project\GIS\EA\EA_DRAFT\MXD\Draft_3\EndofOperations_2.mxd; Author: SM, modified by sandra.marquez, 08 May 2014

LEGEND		Proposed Site Features	
	Existing Intermittent Watercourse		Open Pit
	Existing Permanent Watercourse		Potential Discharge Location
	Waterbodies		Facilities
	Highway		Dam
	Local Road		Main Access Road
	Subwatershed Boundary		Access Road
	Wooded Area		Cross-Country 230 kV Transmission Line Alignment
			Shining Tree 230 kV Transmission Line Alignment
			Tailings and Reclaim Pipeline
			Fresh Water
			Watercourse Realignment
			Proposed Water Flow Direction
			Mine Rock Area Seepage Collection Pond
			Proposed Mine Rock Area (MRA)
			Proposed Tailings Management Facility (TMF)
			Proposed Landfill
			MNR Landfill

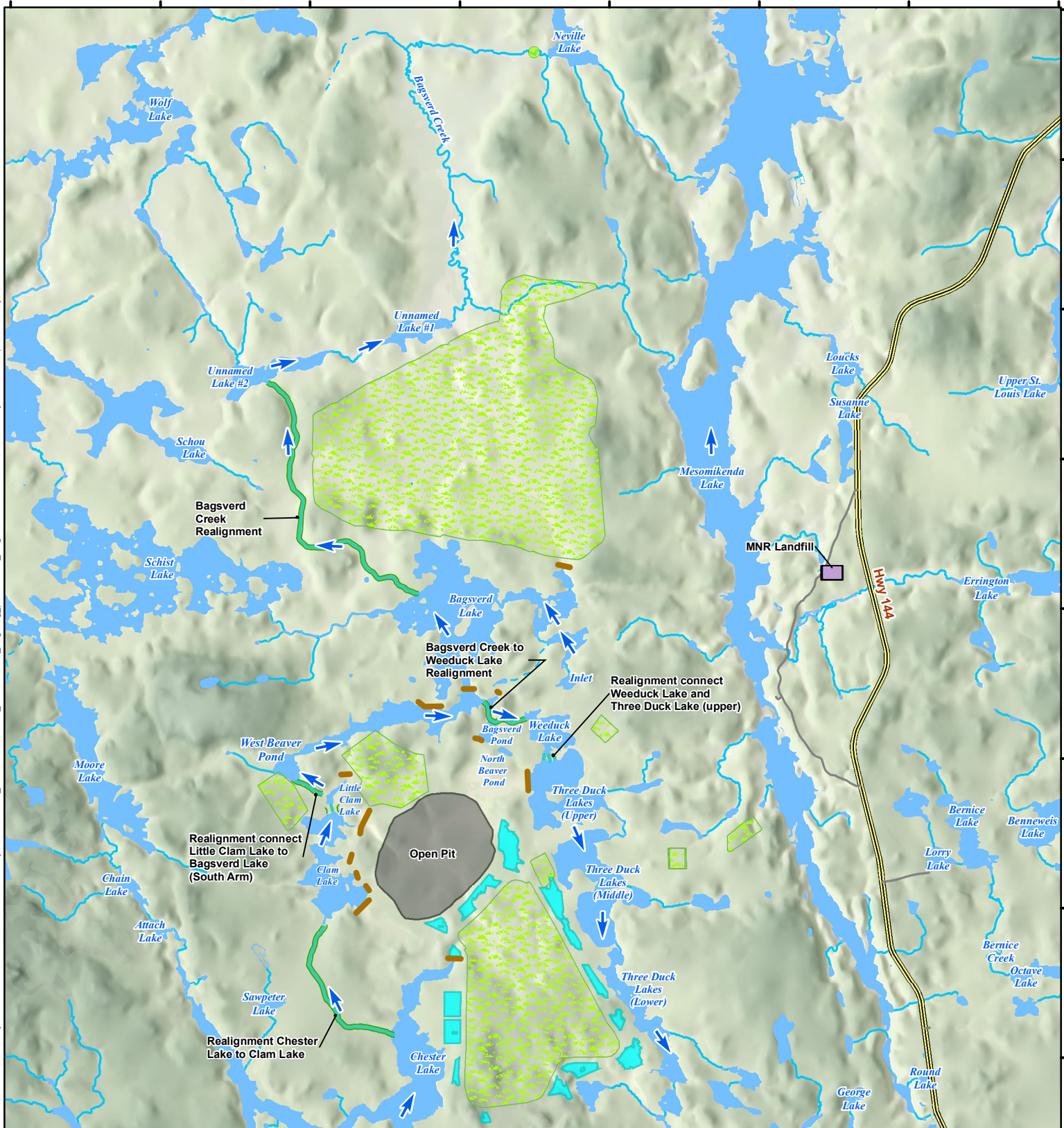
NOTES:

- Ontario base data extracted from Land Information Ontario (MNR)
- TMF and subwatershed provided by Golder Associates.
- Watercourse realignment and proposed lake area provided by Calder Engineering.
- Surface infrastructure, open pit, landfill, MRA and transmission lines provided by IAMGOLD.
- Reclaim, Water and MRA provided by Golder Associates

Datum: NAD83
Projection: UTM Zone 17N

<h2>CÔTÉ GOLD PROJECT</h2>	
<h3>End of Operations</h3>	
PROJECT N°: TC121522	FIGURE: 5-3
SCALE: 1:70,000	DATE: April 2004





LEGEND

	Intermittent Watercourse		Proposed Water Flow Direction
	Permanent Watercourse		Watercourse Realignment
	Waterbodies		Dam
	Highway		Mine Rock Area
	Local Road		Seepage Collection Pond
	Wooded Area		Revegetated Areas
			MNR Landfill

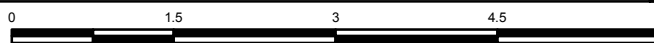
NOTES:

- Ontario base data extracted from Land Information Ontario (MNR)
- TMF and subwatershed provided by Golder Associates.
- Watercourse realignment and proposed lake area provided by Calder Engineering LTD.
- Surface infrastructure, open pit, landfill, MRA and transmission lines provided by IAMGOLD.

Datum: NAD83
Projection: UTM Zone 17N

CÔTÉ GOLD PROJECT	
End of Closure / Beginning of Post-Closure Stage I	
PROJECT N°: TC121522	FIGURE: 5-4
SCALE: 1:70,000	DATE: April 2014

Path: P:\EM\Projects\2012\TC121522\IAMGOLD\Code\Project\GIS\EA\EA_DRAFT\MXD\Draft_3\enclosure_beginning_postclosure_stage1.mxd, Author: SM, modified by sandra.marquez, 06 May 2014





Path: P:\EMIP\Projects\2012\TC121522_IAMGOLD Cote Project\GIS\EA\EA_DRAFT\MXD\Draft_3\endpostclosure_stage1\beginning_postclosure_stage2.mxd, Author: SM, modified by sandra.marquez, 07 May 2014

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LEGEND

Watercourse	Water Flow Direction
Waterbodies	Decommissioned Realignments
Highway	Watercourse Realignment
Local Road	Dam
Wooded Area	Mine Rock Area Rehabilitated Ponds
	Revegetated Areas
	MNR Landfill

NOTES:

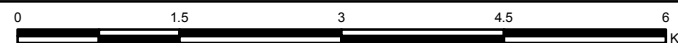
- Ontario base data extracted from Land Information Ontario (MNR)
- TMF and subwatershed provided by Golder Associates.
- Watercourse realignment and proposed lake area provided by Calder Engineering LTD
- Surface infrastructure, open pit, landfill, MRA and transmission lines provided by IAMGOLD.

IAMGOLD CORPORATION

CÔTÉ GOLD PROJECT

End of Post-Closure Stage I / Beginning of Post-Closure Stage II

Datum: NAD83
Projection: UTM Zone 17N

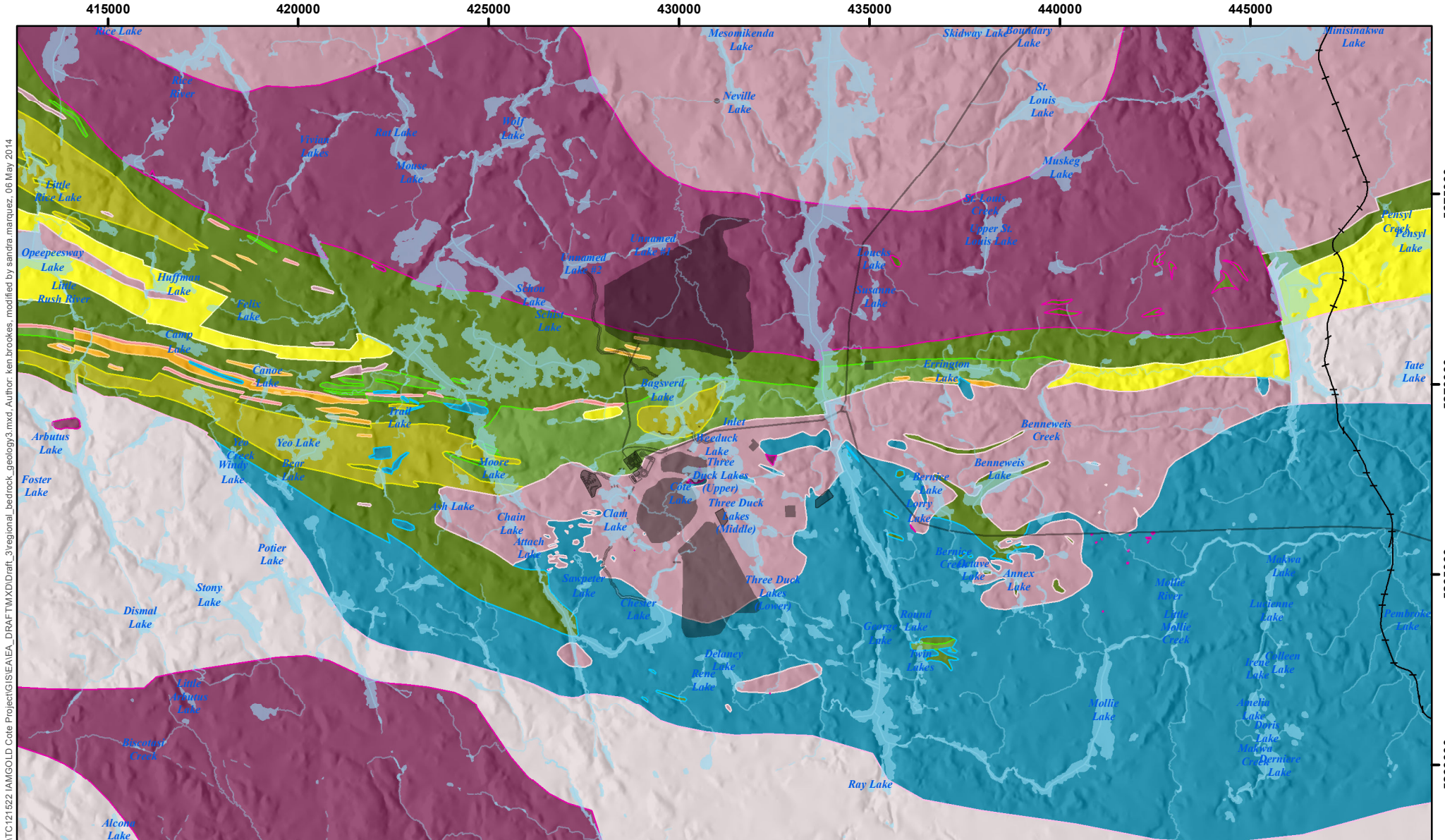


PROJECT N°: TC121522

FIGURE: 5-5

SCALE: 1:70,000

DATE: April 2014



Path: P:\EM\Projects\2012\TC121522_IAMGOLD Cote Project\GISE\AIEA_DRAFT\MXD\Draft_3\regional_bedrock_geology3.mxd, Author: ken brookes, modified by sandra marquez, 06 May, 2014

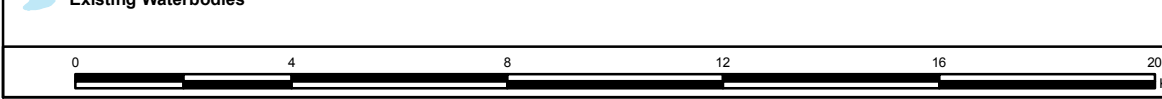
LEGEND Proposed Site Facilities Highway/Expressway Local / Street Railway Existing Intermittent Watercourse Existing Permanent Watercourse Existing Waterbodies	Bedrock Geology 15 Massive granodiorite to granite 14 Diorite - monzonite - granodiorite suite 14a Diorite - monzonite - quartz monzonite 12 Foliated tonalite suite 11 Gneissic tonalite suite 10 Mafic and ultramafic rocks	9a Metasedimentary rocks: conglomerate, arkose, arenite, wacke, sandstone, siltstone, argillite 7 Metasedimentary rocks 7c marble, chert, iron formation, minor metavolcanic rocks 6a dacitic and andesitic flows, tuffs and breccias 6b rhyolitic, rhyodacitic flows, tuffs and breccias 5 Mafic to intermediate metavolcanic rocks
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NOTES:
 - Ontario base data extracted from Land Information of Ontario, Ministry of Northern Development and Mines, OBM Ontario, Digital Geospatial Database and Ontario Road Network Database.
 - Bedrock Geology provided by Golder Associates. Source: MNDM



CÔTÉ GOLD PROJECT

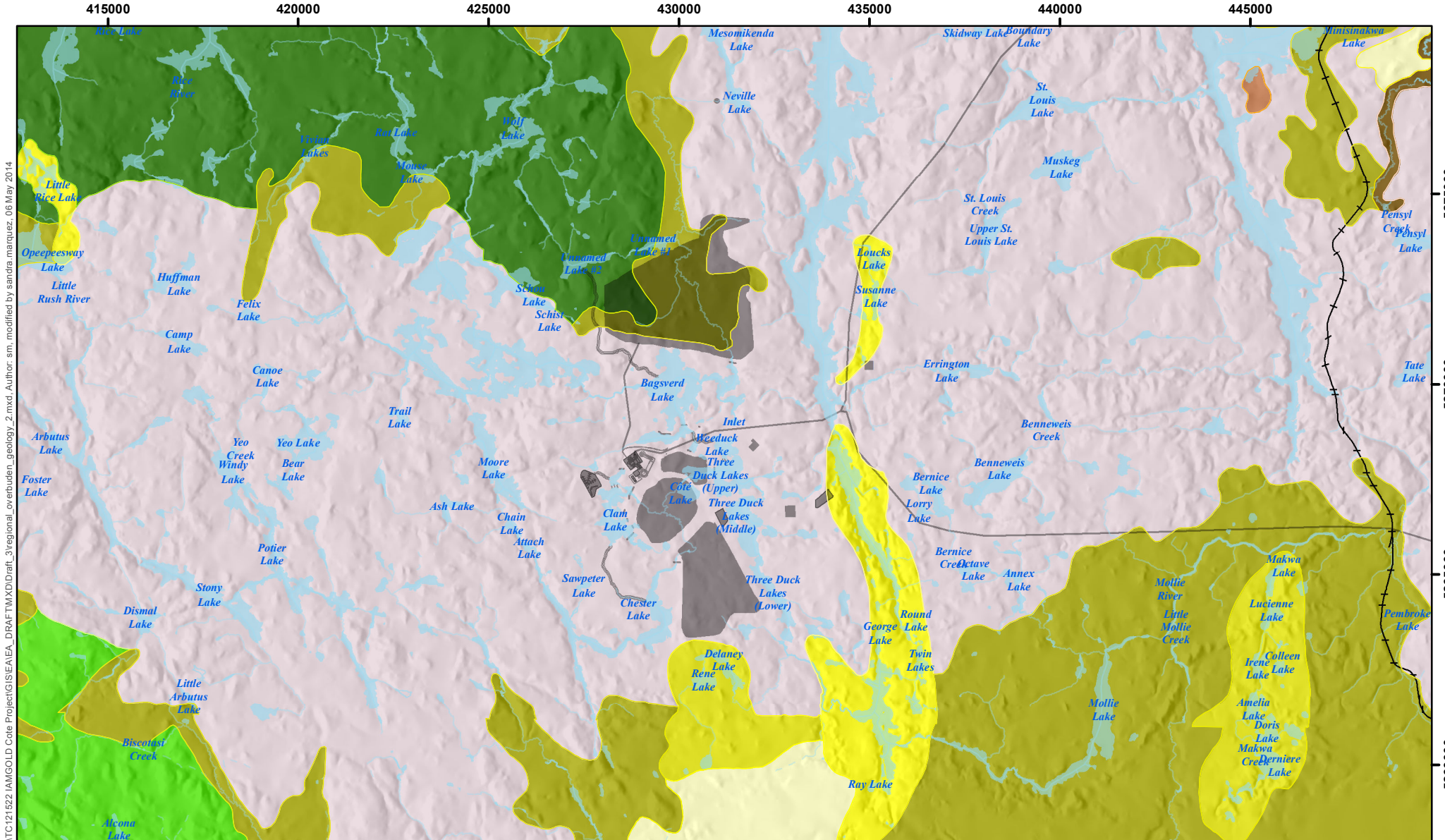
Regional Bedrock Geology



Datum: NAD83
 Projection: UTM Zone 17N

PROJECT N°: TC121522
 SCALE: 1:140,000

FIGURE: 6-1
 DATE: April 2014



Path: P:\EM1\Projects\2012\TC121522_IAMGOLD Cote Project\GIS\ENA\ENA_DRAFT\MXD\Draft_3\regional_overburden_geology_2.mxd, Author: sm, modified by sandra.marquez, 06 May 2014

LEGEND

	NOEGTS	

NOTES:
 - Ontario base data extracted from Land Information of Ontario, Ministry of Northern Development and Mines, OBM Ontario, Digital Geospatial Database and Ontario Road Network Database.
 - Overburden Geology provided by Golder Associates. Source: Ontario Geological Survey, Northern Ontario Engineering Geology Terrain Study, MNM, MNR



CÔTÉ GOLD PROJECT

Regional Overburden Geology

Datum: NAD83
 Projection: UTM Zone 17N



PROJECT N^o: TC121522

FIGURE: 6-2



SCALE: 1:140,000

DATE: April 2014

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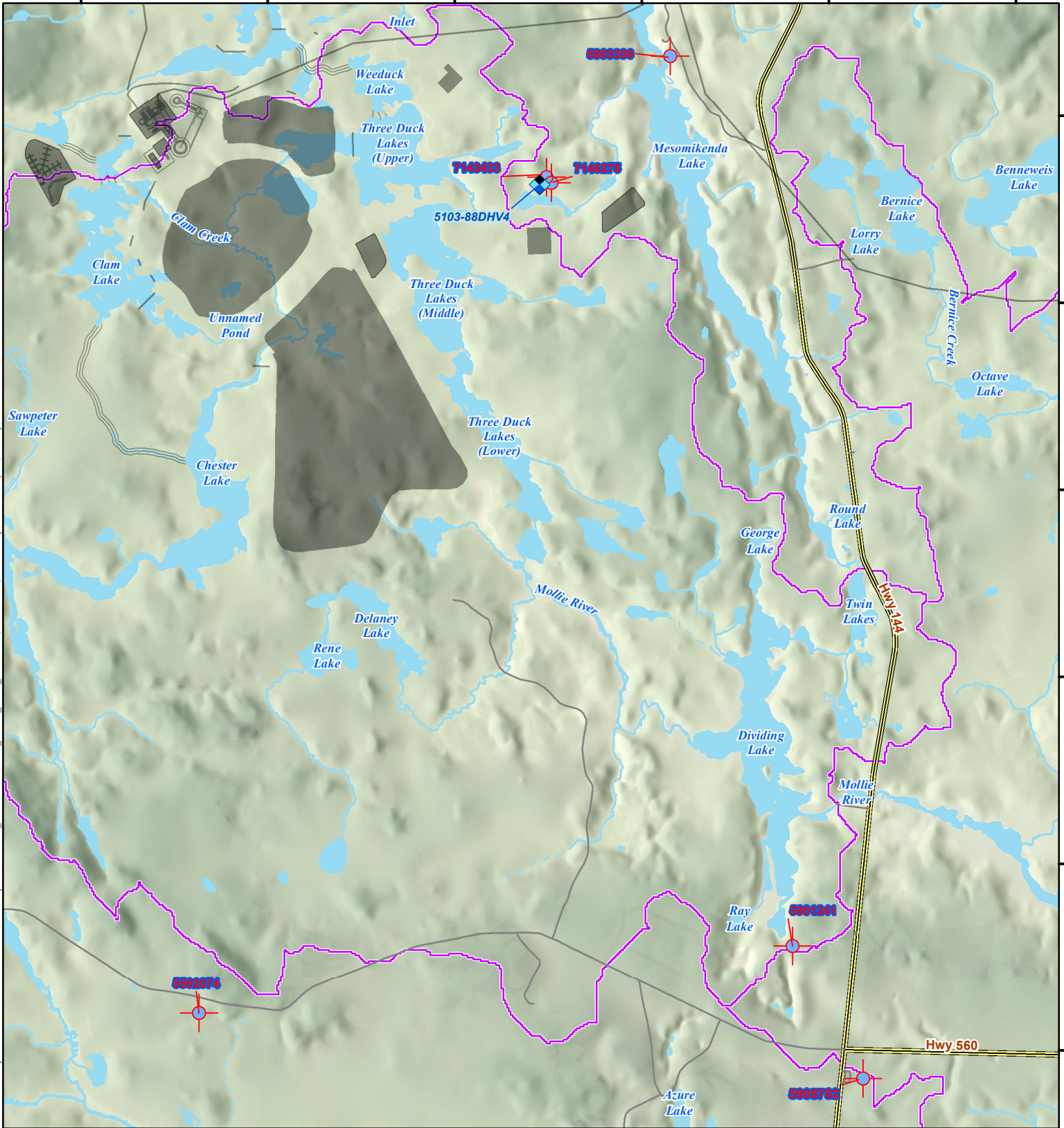
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Path: P:\EM\Projects\2012\TC121522 IAMGOLD Cole Project\GIS\EA\EA_DRAFT\TMXD\Draft_3\MOE_water_wells2.mxd, Author: SM, modified by sandra.marquez, 06 May 2014



LEGEND

- Proposed Site Facilities
- Existing Intermittent Watercourse
- Existing Permanent Watercourse
- Existing Waterbodies
- Watershed Boundary
- Highway
- Local Road
- Wooded Area
- MOE - Permits to Take Water
- MOE - Water Wells Records

NOTES:

- All base data on this map was extracted from Land Information Ontario, MNM, OBM Ontario Digital Geospatial Database and Ontario Road Network Database.
- Water well records obtained from Ontario Ministry of the Environment (MOE).

Datum: NAD83
Projection: UTM Zone 17N

CÔTÉ GOLD PROJECT

**Ontario Ministry of the Environment
Water Well Records and Permits to
Take Water**

PROJECT N°: TC121522	FIGURE: 6-3
SCALE: 1:56,000	DATE: April 2014

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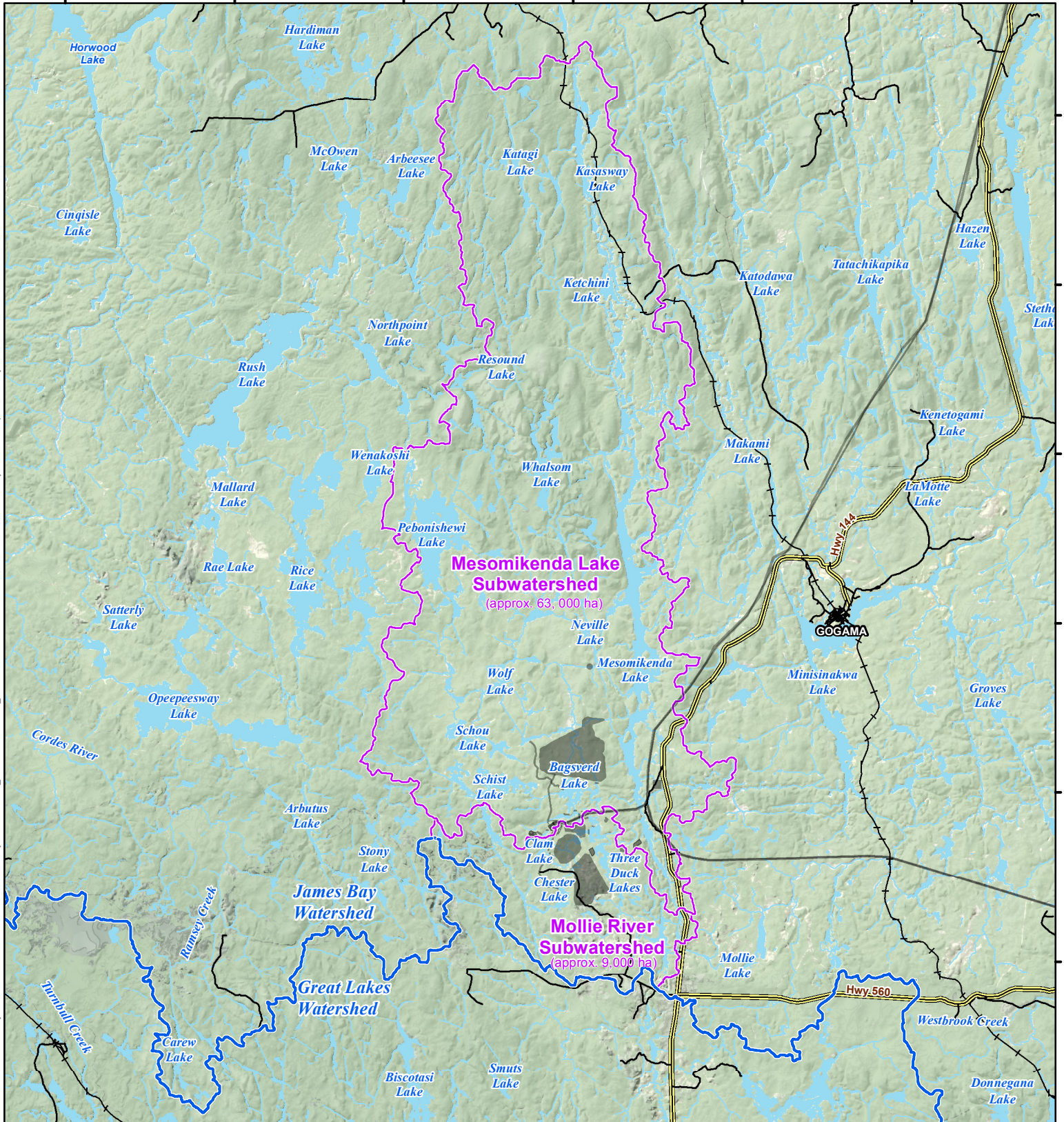
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LEGEND

- Proposed Site Facilities
- Hudson Bay / Great Lakes Basin Divide
- Subwatershed Boundary
- Waterbody / Large Watercourse
- Existing Intermittent Watercourse
- Existing Permanent Watercourse
- Railway
- Highway/Expressway
- Local Road

NOTES:
 - All base data on this map was extracted from Land Information Ontario, MNDM, OBM Ontario Digital Geospatial Database and Ontario Road Network Database.



CÔTÉ GOLD PROJECT

Local Watershed Divide

Datum: NAD83
 Projection: UTM Zone 17N



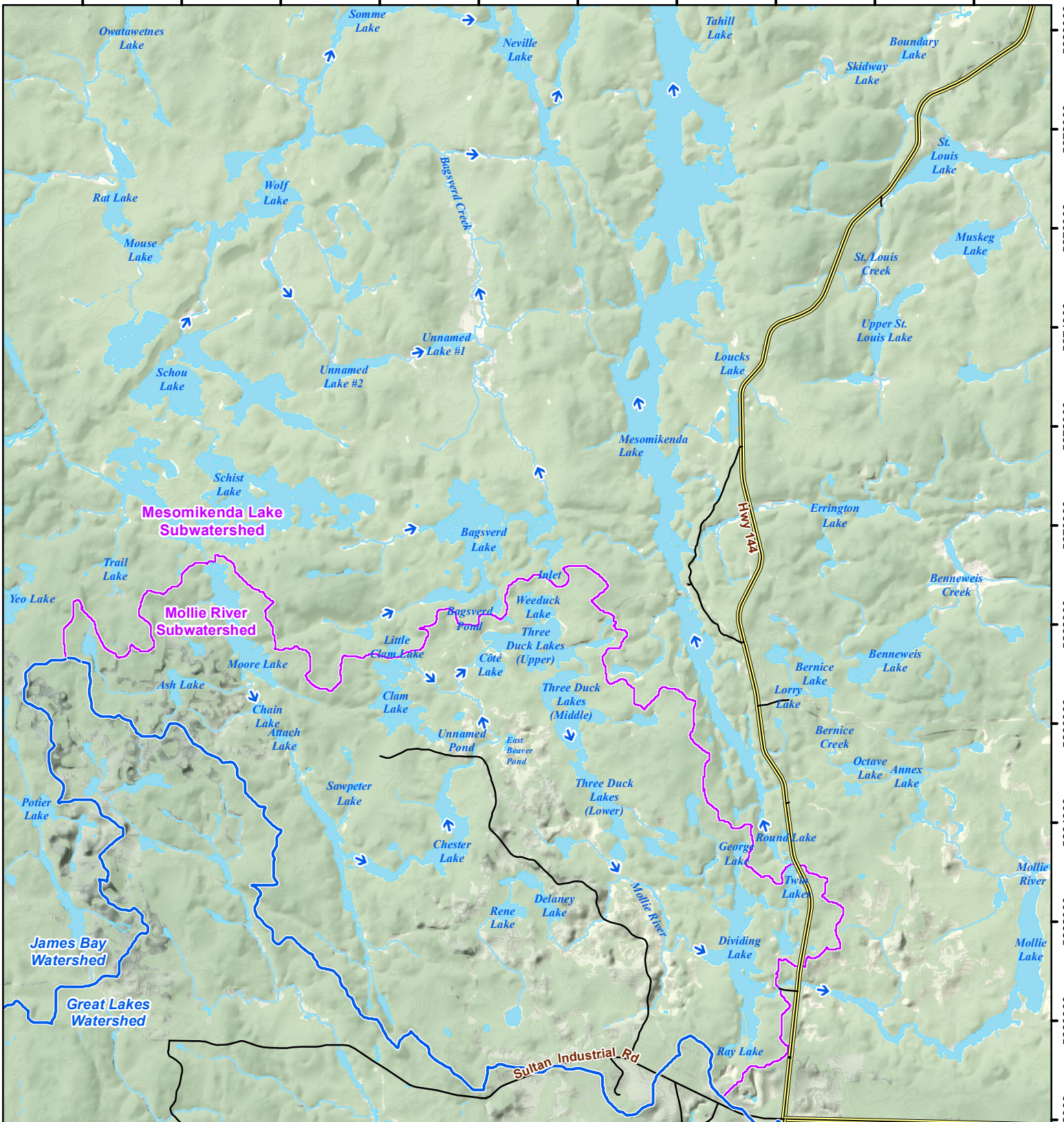
PROJECT N^o: TC121522

FIGURE: 6-4

SCALE: 1:308,000

DATE: April 2014

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Path: P:\EM\Projects\2012\TC121522_IAMGOLD Cote Project\GIS\EA\EA_DRAFT\MXD\Draft_3\local_hydrology_4.mxd, Author: SM, modified by sandra.marquez, 24 November 2014

LEGEND

- Current Flow Direction
- Existing Intermittent Watercourse
- Existing Permanent Watercourse
- Existing Waterbodies
- Hudson Bay / Great Lakes Basin Divide
- Watershed Boundary
- Highway/Expressway
- Local Road

NOTES:
 - All base data on this map was extracted from Land Information Ontario, MNDM, OBM Ontario Digital Geospatial Database and Ontario Road Network Database.
 - Watershed boundary provided by Golder.



CÔTÉ GOLD PROJECT

Hydrology in the Vicinity of the Project

Datum: NAD83
 Projection: UTM Zone 17N



PROJECT N^o: TC121522

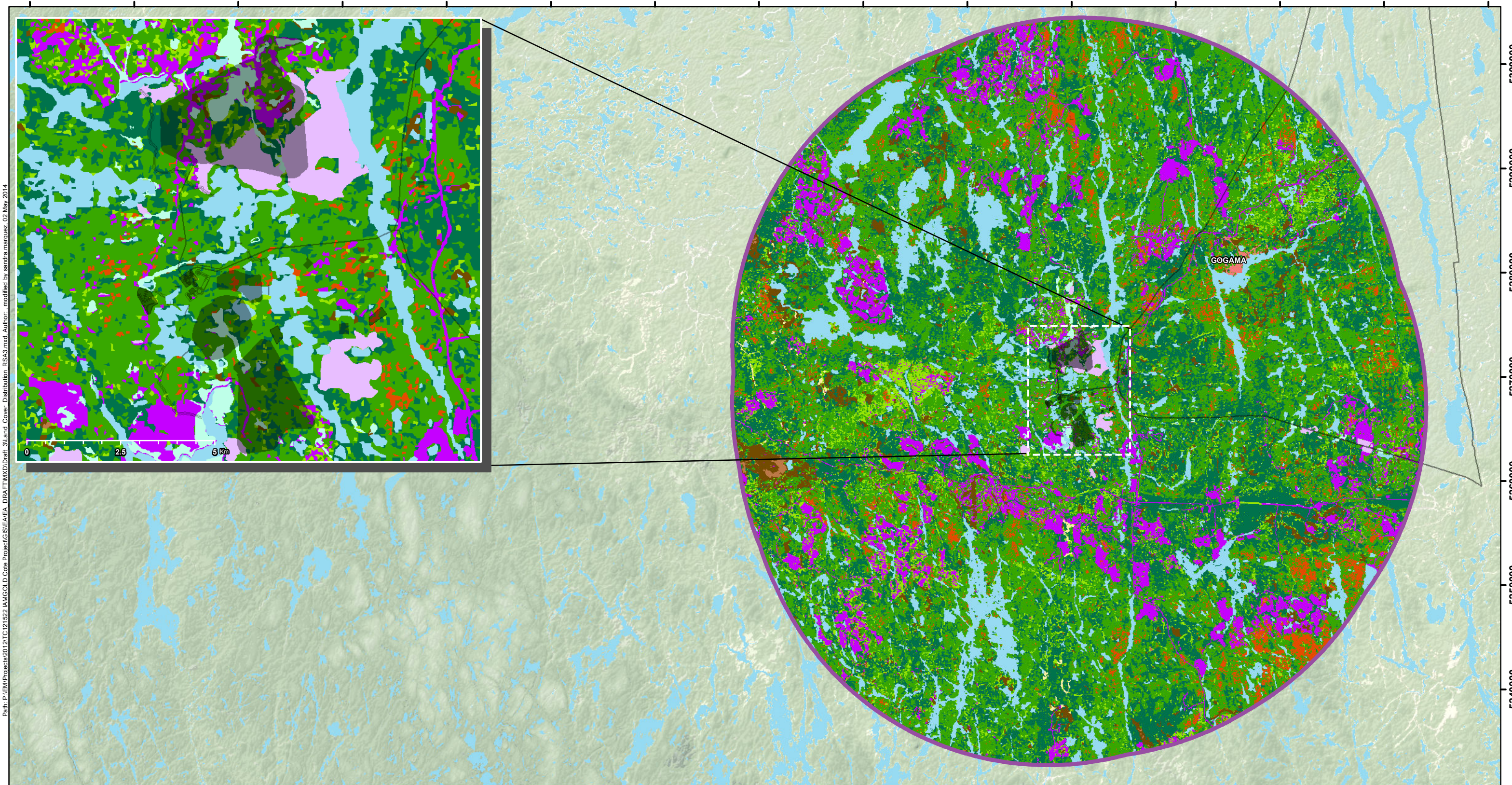
FIGURE: 6-5

SCALE: 1:105,000

DATE: December 2014



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LEGEND

Proposed Site Facilities	Land Cover	Forest - dense deciduous
Regional Study Area	Water - deep clear	Forest - dense mixed
Waterbody / Large Watercourse	Wetland	Forest - dense coniferous
Wooded Area	Settlement / Infrastructure	Fen - treed
	Forest Depletion - cuts	Bog - open
	Jack Pine Regeneration/Cut	Bog - treed
	Forest - sparse	

0 10 20 30 40 50 Kilometres

NOTES:
 - Ontario base data extracted from Land Information of Ontario,
 - Land Cover dataset provided by Golder Associates.

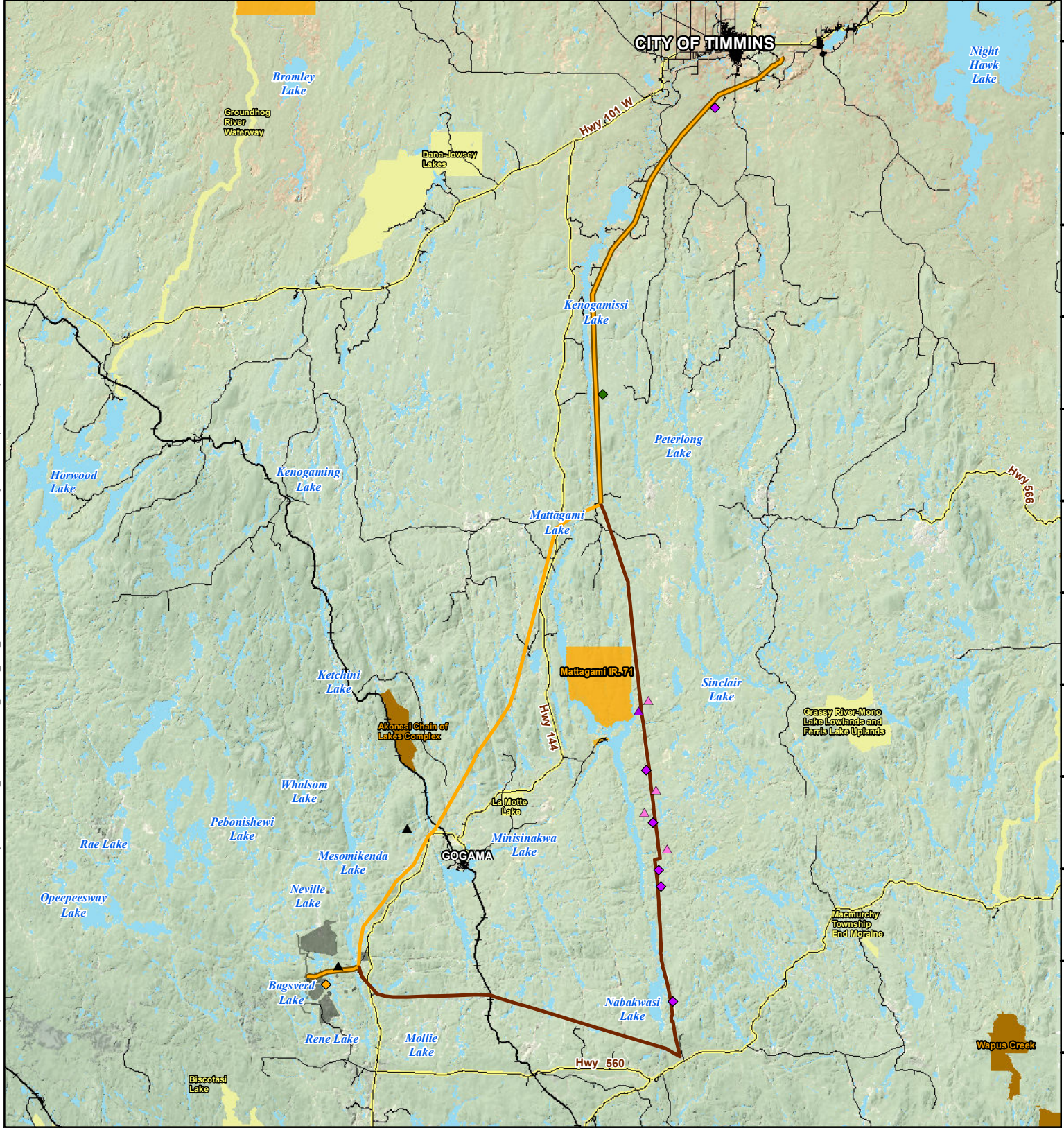
Datum: NAD83
 Projection: UTM Zone 17N



CÔTÉ GOLD PROJECT	
Land Cover Distribution in the Regional Study Area	
PROJECT N ^o : TC121522	FIGURE: 6-6
SCALE: 1:350,000	Date: April 2014

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LEGEND

- Proposed Site Facilities
 - Cross-Country 230 kV Transmission Line Alignment
 - Shining Tree 230 kV Transmission Line Alignment
 - Waterbody / Large Watercourse
 - Railway
 - Highway/Expressway
 - Local Road
 - First Nation Reserve
 - Conservation Reserve (Regulated)
 - Provincial Park
-
- NESTS**
 - Active
 - Inactive
-
- SPECIES**
 - Bald Eagle
 - Raven
 - Sharp-shinned Hawk
 - Hawk Sp.
 - Osprey or Eagle

NOTES:
 - All base data on this map was extracted from Land Information Ontario, MNDM, OBM Ontario Digital Geospatial Database and Ontario Road Network Database.
 - All nest observations were obtained during February 2013 and April 2013 aerial surveys.



CÔTÉ GOLD PROJECT
Occupied Stick Nests Observed Project Site and Transmission Line Alignments

Datum: NAD83
 Projection: UTM Zone 17N

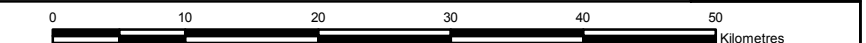


PROJECT N°: TC121522

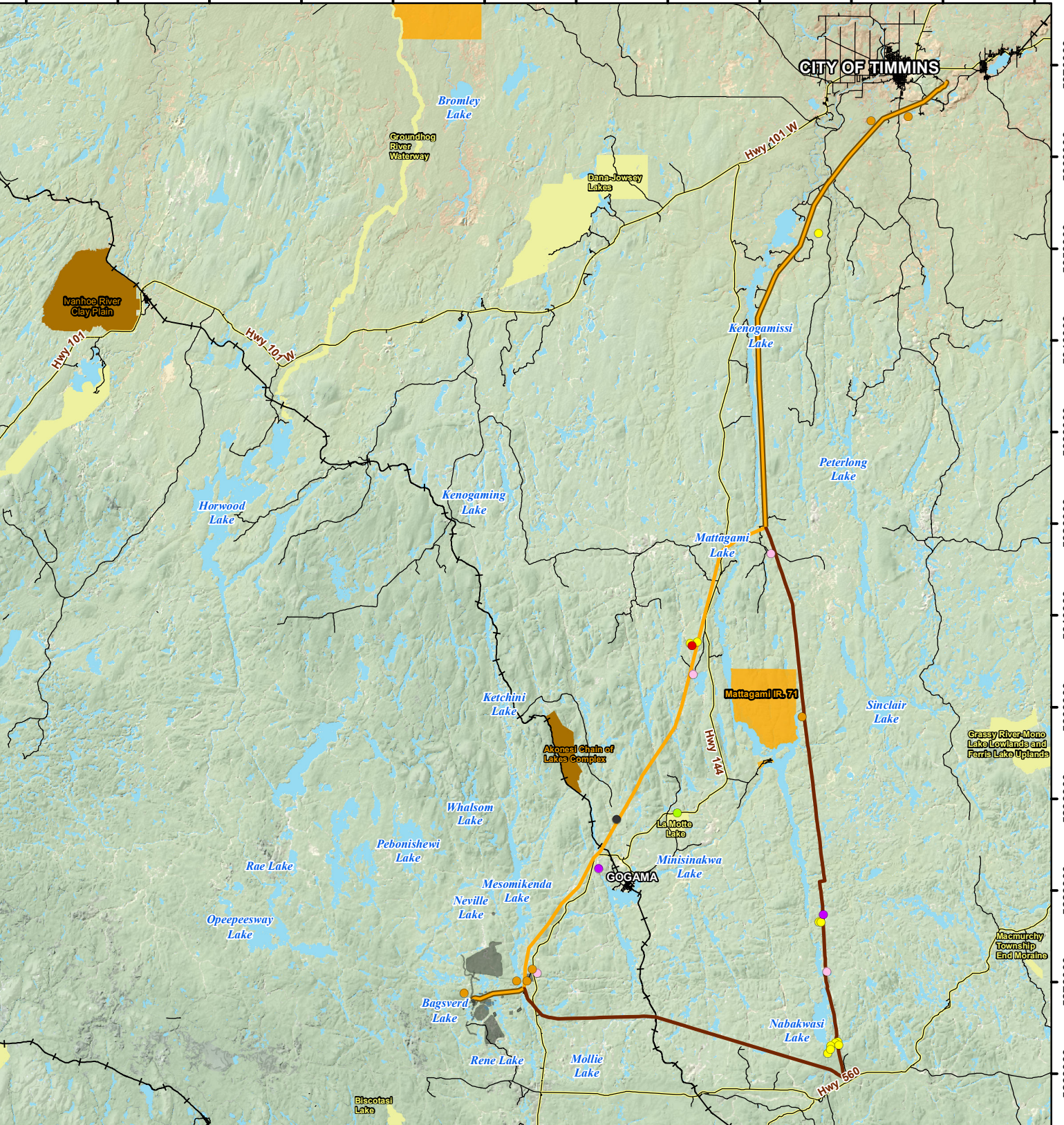
FIGURE: 6-7

SCALE: 1:570,000

DATE: April 2014



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LEGEND

- Proposed Site Facilities
- Cross-Country 230 kV Transmission Line Alignment
- Shining Tree 230 kV Transmission Line Alignment
- Waterbody / Large Watercourse
- Highway/Expressway
- Local Road
- Railway
- First Nation Reserve
- Conservation Reserve (Regulated)
- Provincial Park

SPECIES AT RISK OBSERVATIONS

- Canada Warbler
- Common Nighthawk
- Little Brown Myotis
- Olive-sided Flycatcher
- Rusty Blackbird
- Snapping Turtle
- Bald Eagle

NOTES:
- All base data on this map was extracted from Land Information Ontario, MNDM, OBM Ontario Digital Geospatial Database and Ontario Road Network Database.



CÔTÉ GOLD PROJECT

**Species at Risk Observations
Project Site and
Transmission Line Alignments**

Datum: NAD83
Projection: UTM Zone 17N



PROJECT N^o: TC121522

FIGURE: 6-8

SCALE: 1:570,000

DATE: April 2014



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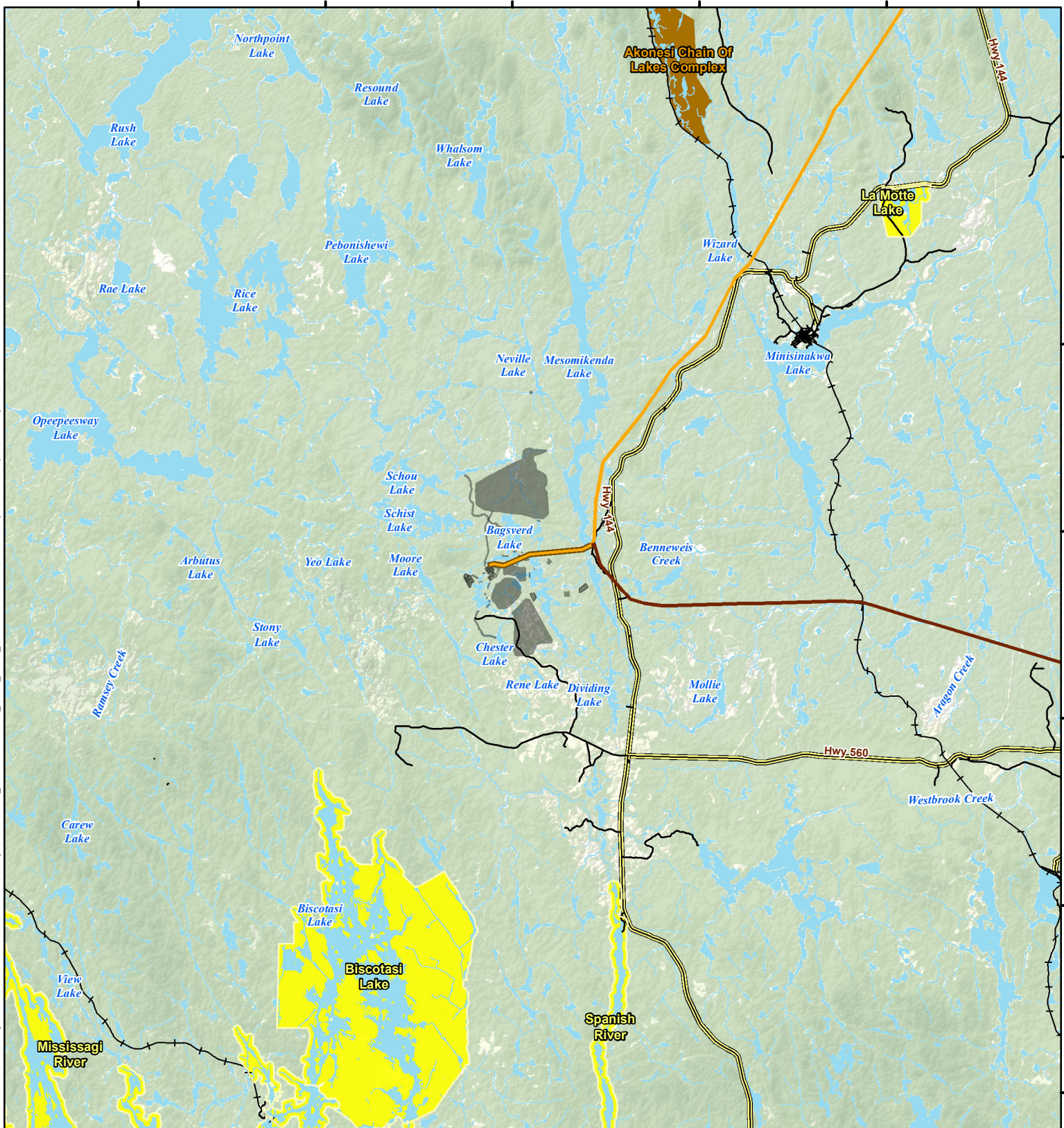
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Path: P:\EM\Projects\2012\TC121522\IAMGOLD Cote Project\GIS\EA\EA_DRAFT\MXD\Draft_3\Prot_Areas_near3.mxd, Author: , modified by sandra.marquez, 06 May 2014

LEGEND

- Proposed Site Facilities
- Cross-Country 230 kV Transmission Line Alignment
- Shining Tree 230 kV Transmission Line Alignment
- Railway
- Highway/Expressway
- Local Road
- Provincial Park
- Conservation Reserve (Regulated)
- Existing Intermittent Watercourse
- Existing Permanent Watercourse
- Waterbody / Large Watercourse

NOTES:
 - All base data on this map was extracted from Land Information Ontario, MNDM, OBM Ontario Digital Geospatial Database and Ontario Road Network Database.



CÔTÉ GOLD PROJECT

Protected Areas near the Project Site

Datum: NAD83
 Projection: UTM Zone 17N



PROJECT N°: TC121522

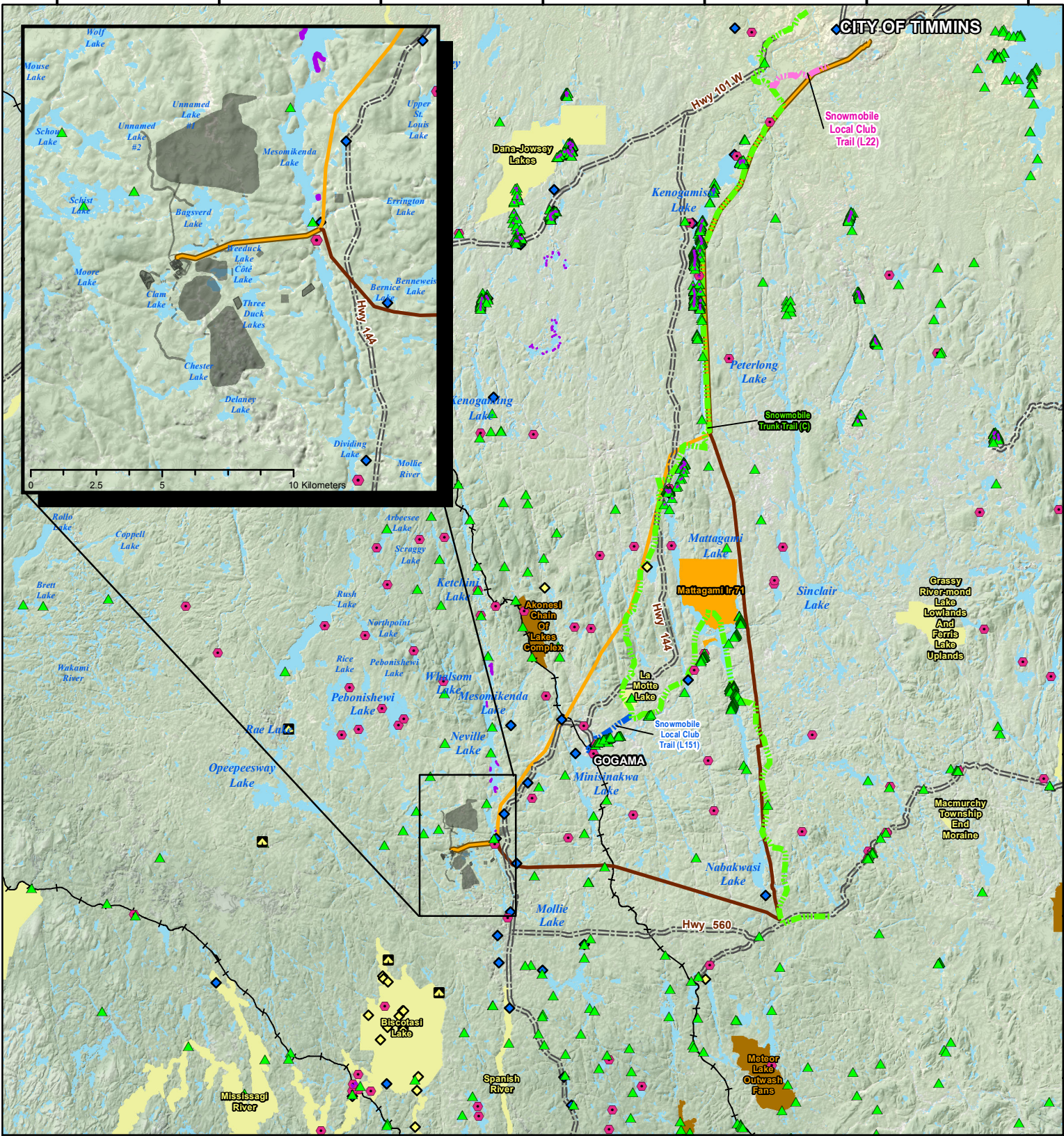
FIGURE: 6-9

SCALE: 1:280,000

DATE: April 2014



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Path: P:\EM\Projects\2012\TC121522_IAMGOLD Cote Project\GIS\EA\EA_DRAFT\MXD\Draft_3\Cottages_ResidAreas3.mxd, Author: SM, modified by sandra.marquez, 24 November 2014

LEGEND

- Proposed Site Facilities
- Cross-Country 230 kV Transmission Line Alignment
- Shining Tree 230 kV Transmission Line Alignment
- Railway
- Highway/Expressway
- First Nation Reserve
- Conservation Reserve (Regulated)
- Provincial Park
- Recreational Camping Area
- Tourist Establishment Area
- Cottage Residential Site
- Recreation Access Point
- Designated Camping Site
- Cottage Residential Area
- Snowmobile Trail - Local Club Trail (L151)
- Snowmobile Trail - Local Club Trail (L22)
- Snowmobile Trail - Trunk Trail (C)

NOTES:
 - Ontario base data extracted from Land Information Ontario, MNDM, OBM Ontario, Digital Geospatial Database and Ontario Road Network Database.
 - Cottage Residential Areas provided by Ontario MNR, Queen's Printer for Ontario, July 2013.
 - Additional cottage residential areas in Whalen, Somme and Neville and part of Potter were provided by Mesomikenda Cottagers Association on December 2012.
 - Trail head and trail information extracted from Land Information Ontario (MNR).
 - Snowmobile trails approximated from online maps from Ontario Federation of Snowmobile Clubs (OFSC) 2013.



CÔTÉ GOLD PROJECT

Local Recreational Sites, Trails, Tourist Establishment Areas and Cottage Residential Areas

Datum: NAD83
 Projection: UTM Zone 17N



PROJECT N^o: TC121522

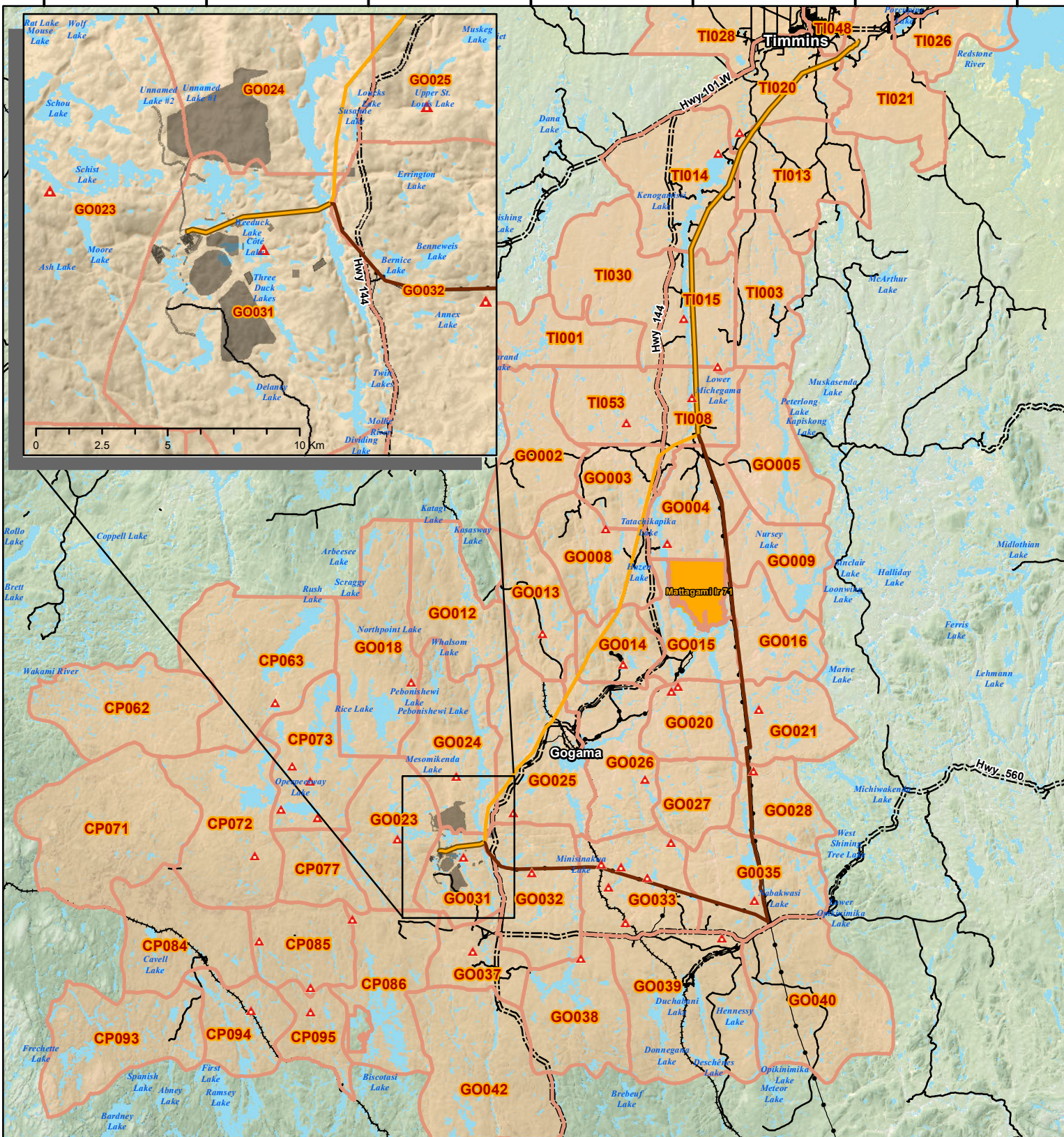
FIGURE: 6-10

SCALE: 1:650,000

DATE: December 2014

0 10 20 30 40 50 Kilometers

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LEGEND

- Proposed Site Facilities
- Cross-Country 230 kV Transmission Line Alignment
- Shining Tree 230 kV Transmission Line Alignment
- Trapper Cabin
- Trapline Area (Labelled with ID)
- Railway
- Existing Transmission Line
- Highway/Expressway
- Local Road
- First Nation Reserve
- Wooded Area
- Waterbody / Large Watercourse

NOTES:
 - All base data on this map was extracted from Land Information Ontario, MNDM, OBM Ontario Digital Geospatial Database and Ontario Road Network Database.
 - Trapline areas and Trapper cabins provided by Ontario MNR Queen's Printer for Ontario, 2013



CÔTÉ GOLD PROJECT

Trapline Areas and Trapper Cabins

Datum: NAD83
 Projection: UTM Zone 17N



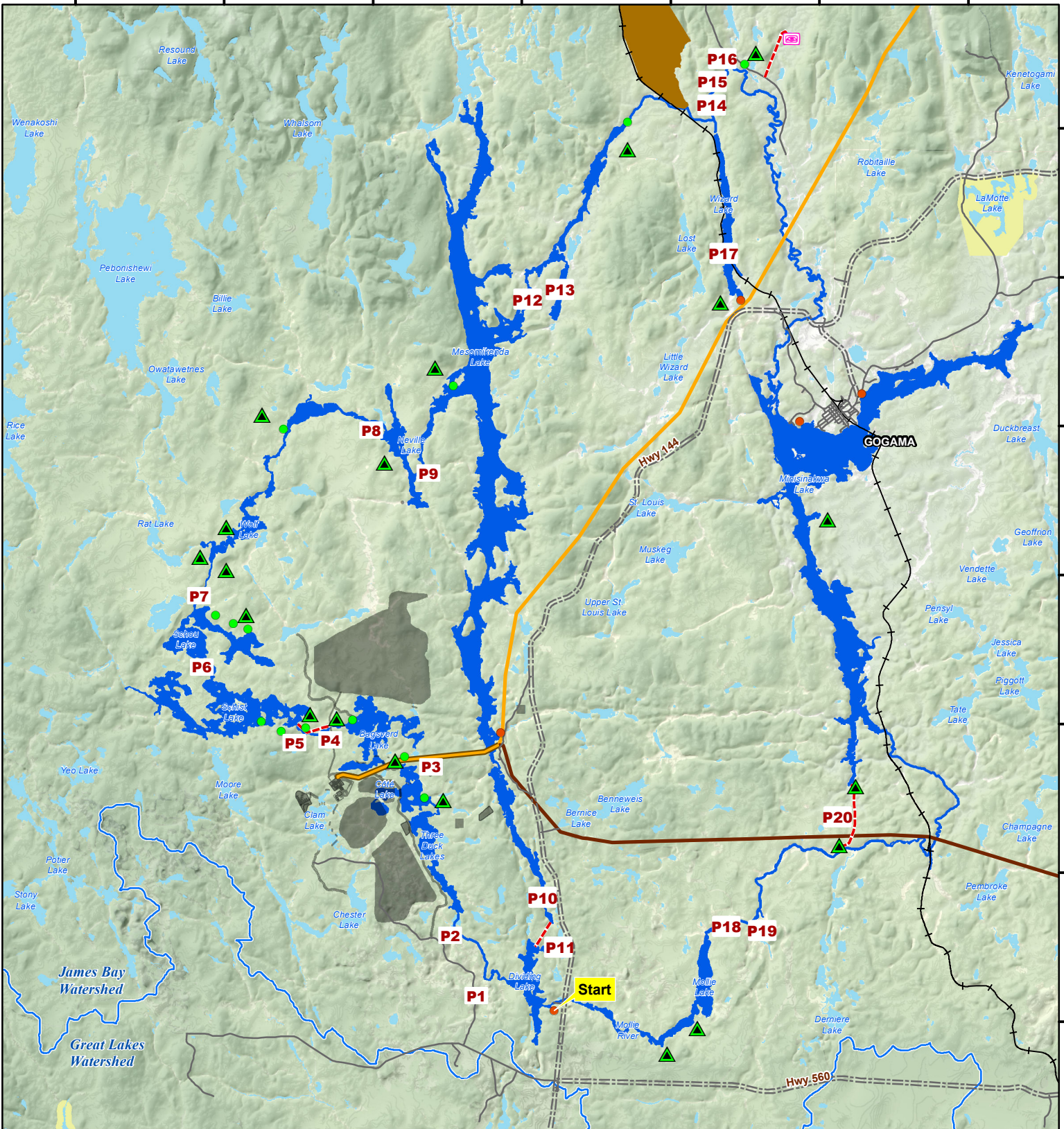
PROJECT N°: TC121522

FIGURE: 6-11

SCALE: 1:650,000

DATE: April 2014





Path: P:\EM\Projects\2012\TC121522_IAMGOLD Cote Project\GIS\EA\EA_DRAFT\MXD\Draft_3\4M\Circle_canoes_1.mxd. Author: SM, modified by sandra.marquez, 24 November 2014

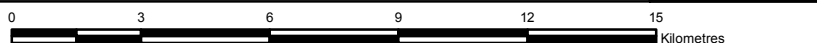
LEGEND	
	Proposed Site Facilities
	Cross-Country 230 kV Transmission Line Alignment
	Shining Tree 230 kV Transmission Line Alignment
	Hudson Bay / Great Lakes Basin Divide
	Railway
	Highway/Expressway
	Local Road
	Provincial Park
	Conservation Reserve (Regulated)
	4M Circle Canoe Route
	Scenic View
	Access Point
	Camp Site Point
	Camp Site
	Portage Number
	Portage Trail

NOTES:

- All base data on this map was extracted from Land Information Ontario, MNDM, OBM Ontario Digital Geospatial Database and Ontario Road Network Database.
- Georeferenced-digitized, vector data representations of the Canoe Route derived from Gogama.ca

Datum: NAD83
Projection: UTM Zone 17N

CÔTÉ GOLD PROJECT	
4M Circle Canoe Route	
PROJECT N ^o : TC121522	FIGURE: 6-12
SCALE: 1:176,000	DATE: December 2014



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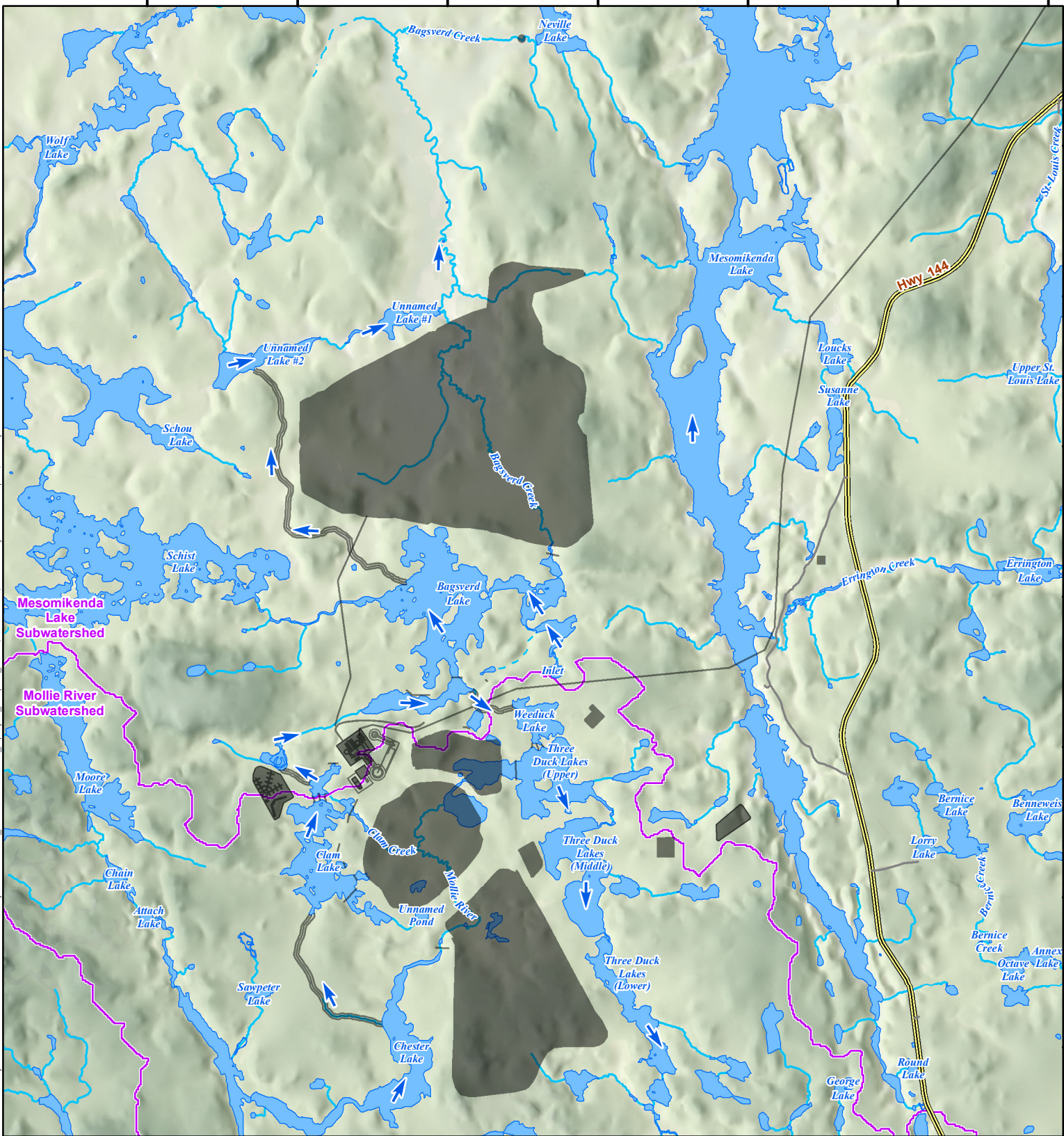
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Path: P:\EM\Projects\2012\TC121522 IAMGOLD.Cole Project\GIS\EA\EA_DRAF\TMXD\Draft_3\project_footprint_2.mxd, Author: SM, modified by sandra.marquez, 02 May 2014



- LEGEND**
- Project Footprint
 - Existing Intermittent Watercourse
 - Existing Permanent Watercourse
 - Existing Waterbodies
 - Subwatershed Boundary
 - Highway
 - Local Road
 - Wooded Area

NOTES:

- Ontario base data extracted from Land Information Ontario (MNR)
- TMF and subwatershed provided by Golder Associates.
- Watercourse realignment and proposed lake area provided by Calder Engineering.
- Surface infrastructure, open pit, landfill, MRA and transmission lines provided by IAMGOLD.



CÔTÉ GOLD PROJECT

Project Footprint

Datum: NAD83
Projection: UTM Zone 17N



PROJECT N°: TC121522

FIGURE: 9-1

SCALE:1:70,000

DATE: April 2014

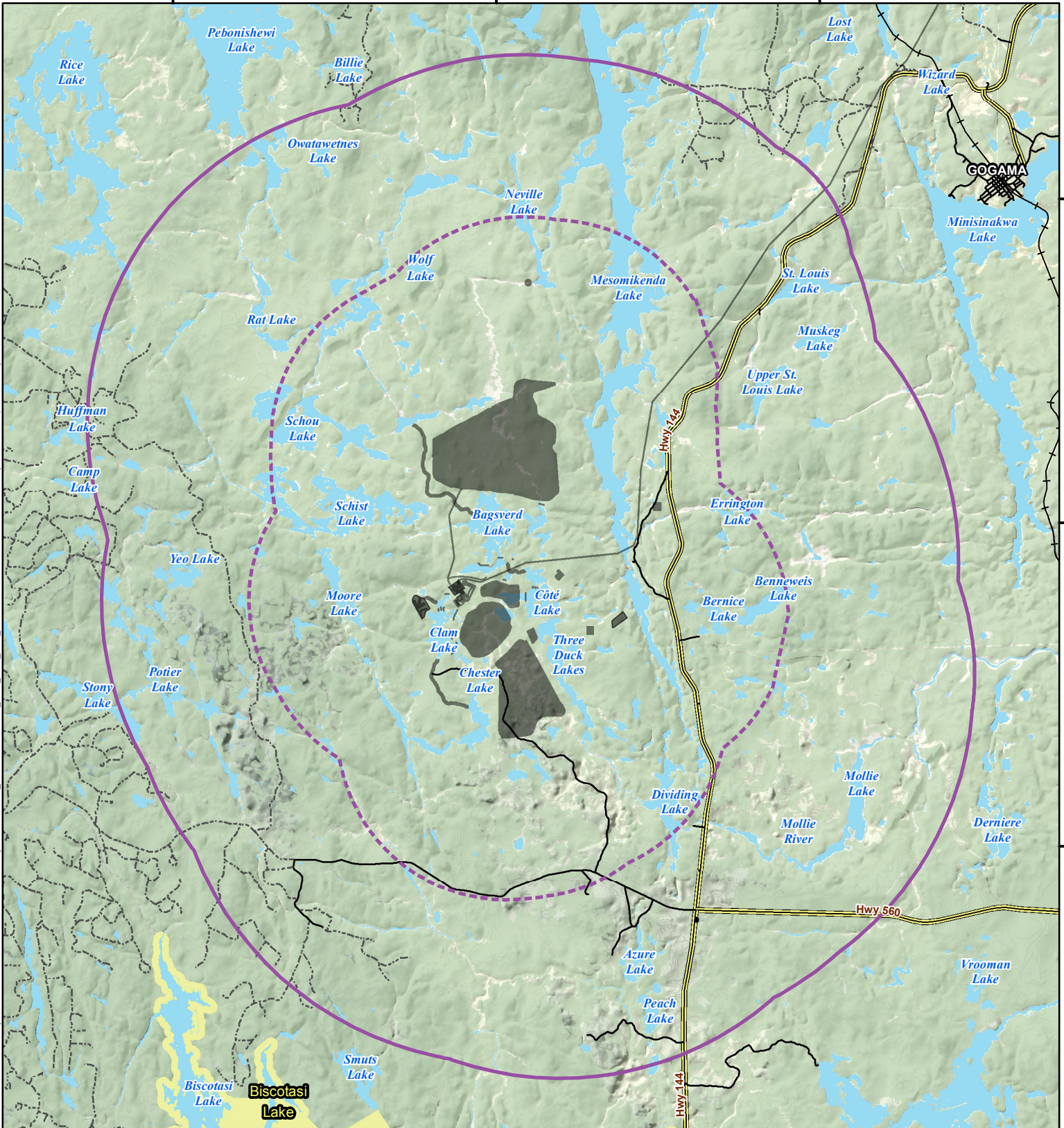


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LEGEND

- Proposed Site Facilities
- Regional Study Area
- Local Study Area
- Waterbody / Large Watercourse
- Wooded Area
- Railway
- Highway/Expressway
- Local Road
- Resource / Recreation Road
- Provincial Park

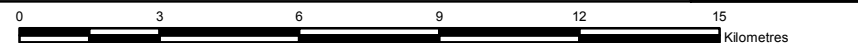
NOTES:
 - All base data on this map was extracted from Land Information Ontario, MNDM, OBM Ontario Digital Geospatial database and Ontario Road Network Database.



CÔTÉ GOLD PROJECT

**Air Quality
Local and Regional Study Areas**

Datum: NAD83
 Projection: UTM Zone 17N



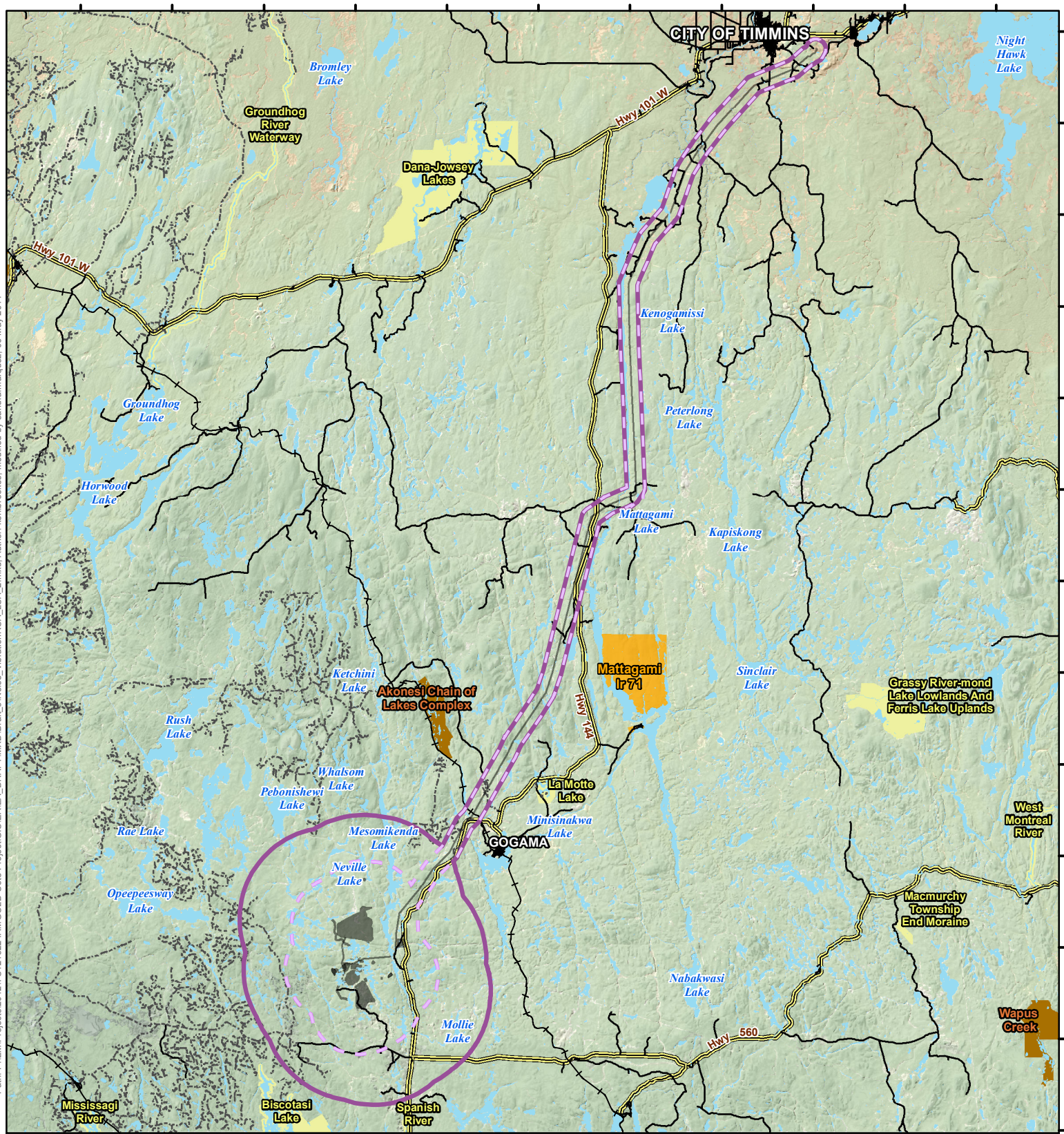
PROJECT N°: TC121522

FIGURE: 9-2

SCALE: 1:162,000













DATE: April 2014

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LEGEND

-  Proposed Site Facilities
-  Regional Study Area
-  Local Study Area
-  Waterbody / Large Watercourse
-  Wooded Area
-  Railway
-  Highway/Expressway
-  Local Road
-  Resource / Recreation Road
-  First Nation Reserve
-  Provincial Park
-  Conservation Reserve (Regulated)

NOTES:
 - All base data on this map was extracted from Land Information Ontario, MNDM, OBM Ontario Digital Geospatial database and Ontario Road Network Database.



CÔTÉ GOLD PROJECT

**Noise & Vibration
Local and Regional Study Areas**

Datum: NAD83
 Projection: UTM Zone 17N



PROJECT N°: TC121522

FIGURE: 9-3

SCALE: 1:570,000

DATE: April 2014



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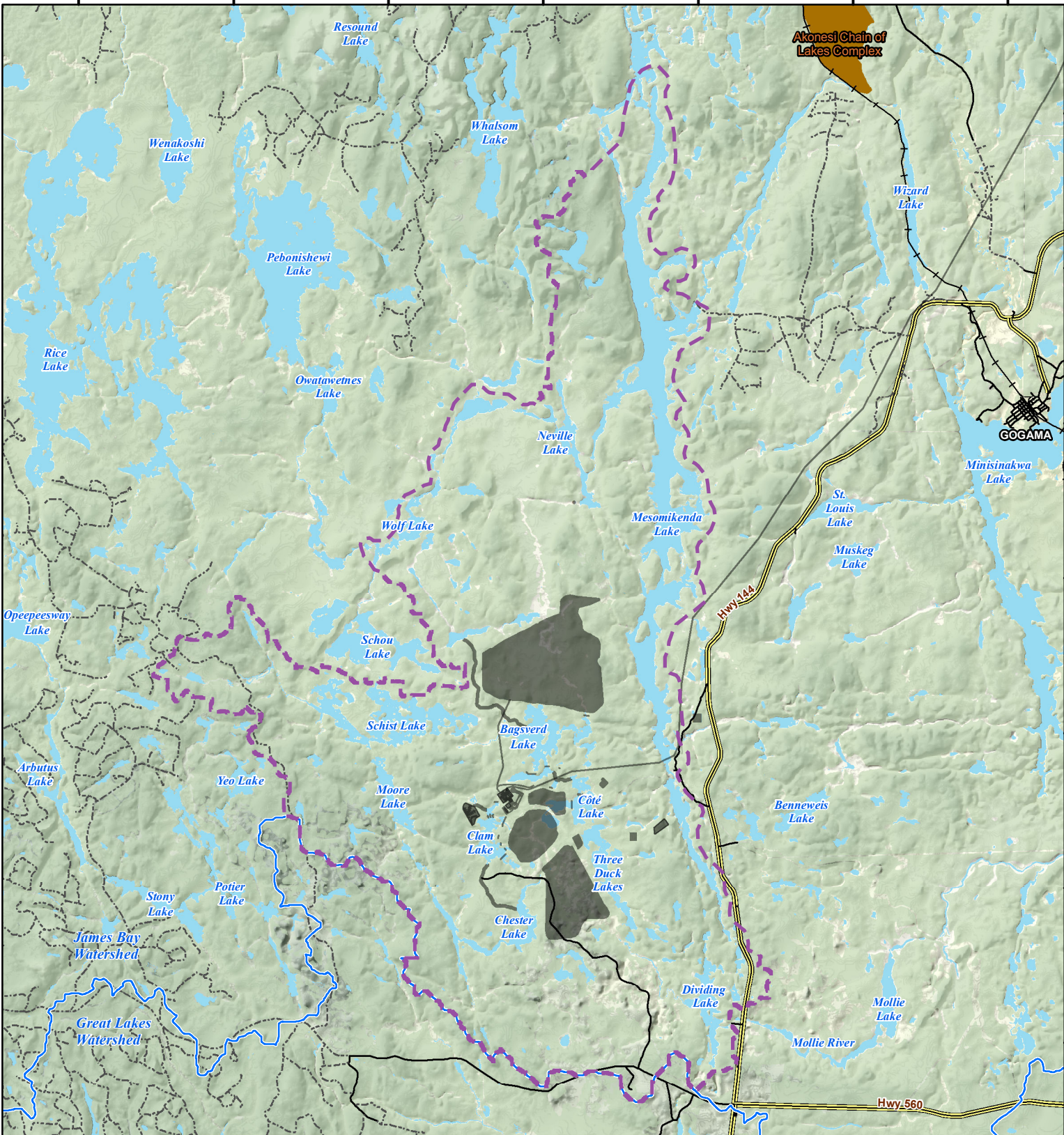
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Path: P:\EM\Projects\2012\TC121522_IAMGOLD Cote Project\GIS\EA\EA_DRAFT\MXD\Draft_3\Hydrogeology\LSA_2.mxd, Author: ken brookes, modified by sandra.marquez, 07 May 2014

LEGEND

- Proposed Site Facilities
- Local Study Area
- Watershed Divide
- Waterbody / Large Watercourse
- Wooded Area
- Railway
- Highway/Expressway
- Local Road
- Resource / Recreation Road
- Conservation Reserve (Regulated)

NOTES:
 - All base data on this map was extracted from Land Information Ontario, MNDM, OBM Ontario Digital Geospatial database and Ontario Road Network Database.



CÔTÉ GOLD PROJECT

Hydrogeology Local Study Area

Datum: NAD83
 Projection: UTM Zone 17N



PROJECT N°: TC121522

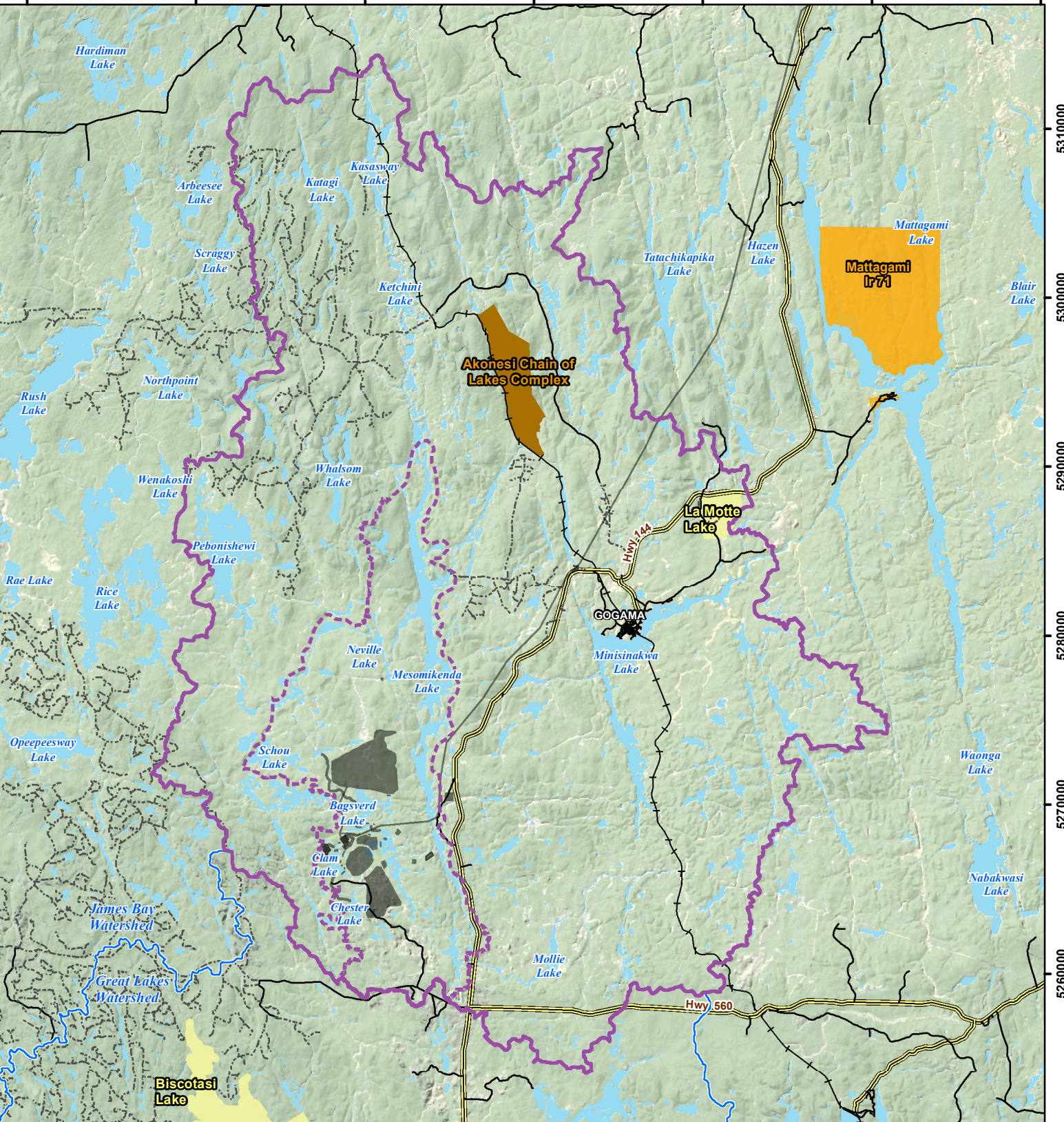
FIGURE: 9-4

SCALE: 1:170,000

DATE: April 2014



410000 420000 430000 440000 450000 460000 470000



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Path: P:\EM\Projects\2012\TC121522\IAMGOLD\Gis\Project\GIS\EA\EA_DRAFT\MXD\Draft_3\Hydrology_waterquality_RSA_LSA_2.mxd. Author: ken.brookes, modified by sandra.marquez, 07 May 2014

LEGEND

- Proposed Site Facilities
- Regional Study Area
- Local Study Area
- Watershed Divide
- Waterbody / Large Watercourse
- Wooded Area
- Railway
- Highway/Expressway
- Local Road
- Resource / Recreation Road
- First Nation Reserve
- Conservation Reserve (Regulated)
- Provincial Park

NOTES:
 - All base data on this map was extracted from Land Information Ontario, MNDM, OBM Ontario Digital Geospatial database and Ontario Road Network Database.



CÔTÉ GOLD PROJECT

**Hydrology and Water Quality
 Local and Regional Study Areas**

Datum: NAD83
 Projection: UTM Zone 17N



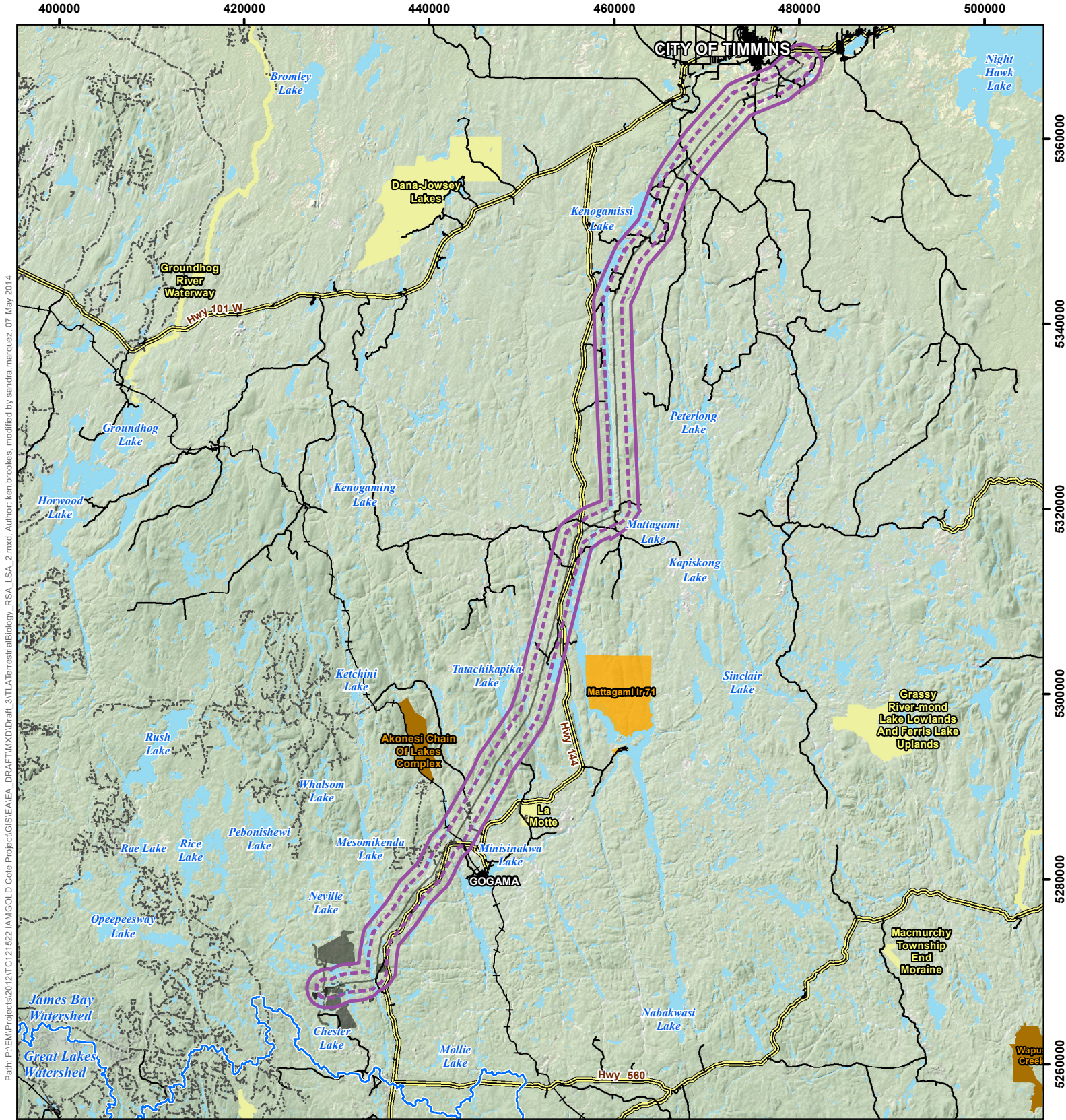
PROJECT N^o: TC121522

FIGURE: 9-5

SCALE: 1:308,000

DATE: April 2014





Path: P:\EM\Projects\2012\TC121522\IAMGOLD\Code Project\GIS\EA\EA_DRAFT\MXD\Draft_3\TLA Terrestrial Biology_RSA_LSA_2.mxd, Author: ken.brookes, modified by samdra.marquez, 07 May 2014

LEGEND

- | | | | |
|--|-------------------------------|--|----------------------------------|
| | Proposed Site Facilities | | Railway |
| | Local Study Area | | Highway/Expressway |
| | Regional Study Area | | Local Road |
| | Watershed Divide | | Resource / Recreation Road |
| | Waterbody / Large Watercourse | | First Nation Reserve |
| | Wooded Area | | Provincial Park |
| | | | Conservation Reserve (Regulated) |

NOTES:
 - All base data on this map was extracted from Land Information Ontario, MNDM, OBM Ontario Digital Geospatial database and Ontario Road Network Database.



CÔTÉ GOLD PROJECT

Transmission Line Terrestrial Biology Local and Regional Study Areas

Datum: NAD83
 Projection: UTM Zone 17N



PROJECT N°: TC121522

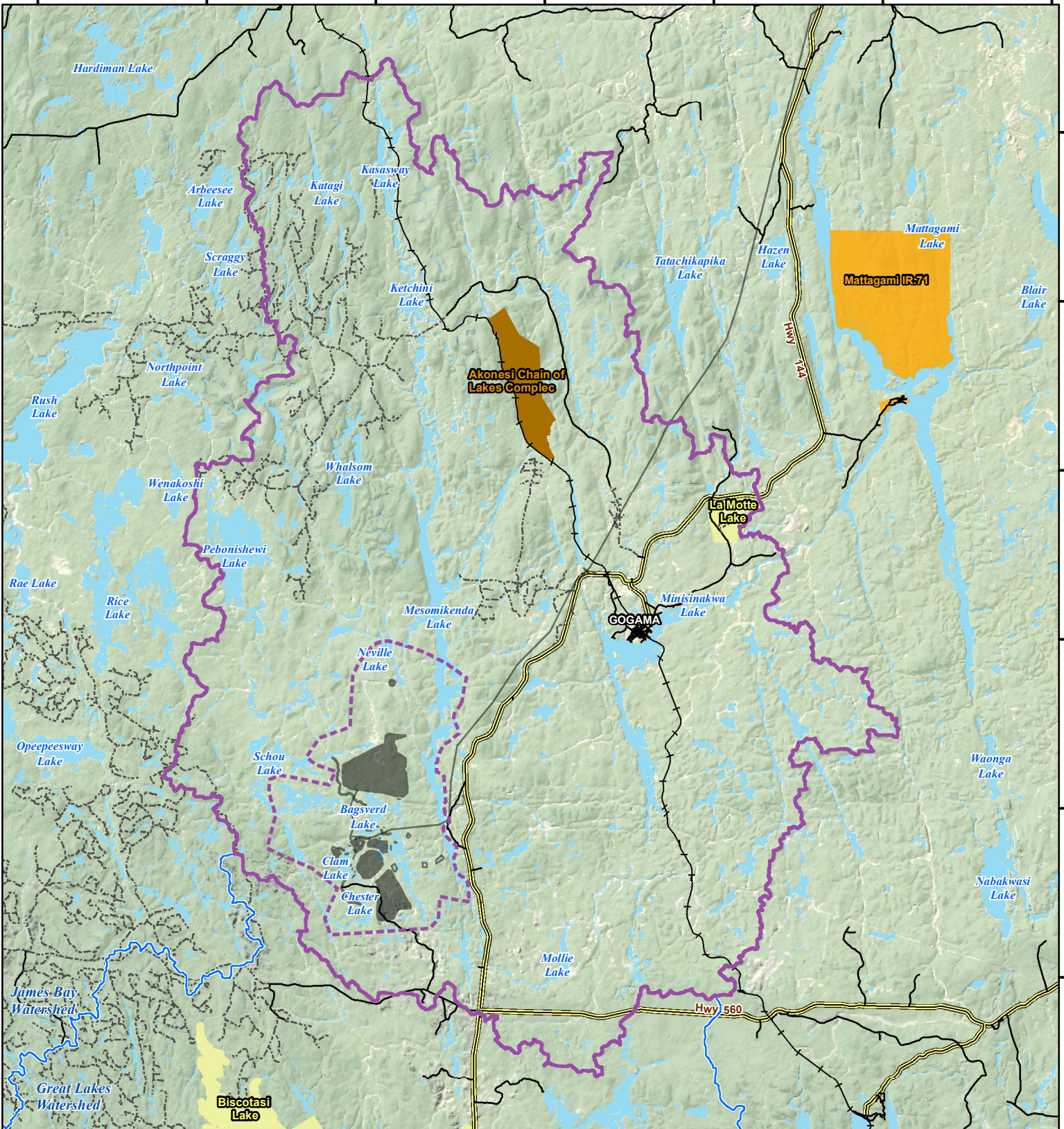
FIGURE: 9-7

SCALE: 1:550,000

DATE: April 2014



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Path: P:\EM\Projects\2012\TC121522\IAMGOLD\Cote Project\GIS\EA\EA_DRAFT\MXD\Draft_3\AquaticBiology\SA_RSA_2.mxd, Author: , modified by sandra.marquez, 07 May 2014

LEGEND

- Proposed Site Facilities
- Regional Study Area
- Local Study Area
- Watershed Divide
- Waterbody / Large Watercourse
- Wooded Area
- Railway
- Highway/Expressway
- Local Road
- Resource / Recreation Road
- First Nation Reserve
- Conservation Reserve (Regulated)
- Provincial Park

NOTES:
- All base data on this map was extracted from Land Information Ontario, MNDM, OBM Ontario Digital Geospatial database and Ontario Road Network Database.



CÔTÉ GOLD PROJECT

Aquatic Biology Local and Regional Study Areas

Datum: NAD83
Projection: UTM Zone 17N



PROJECT N°: TC121522

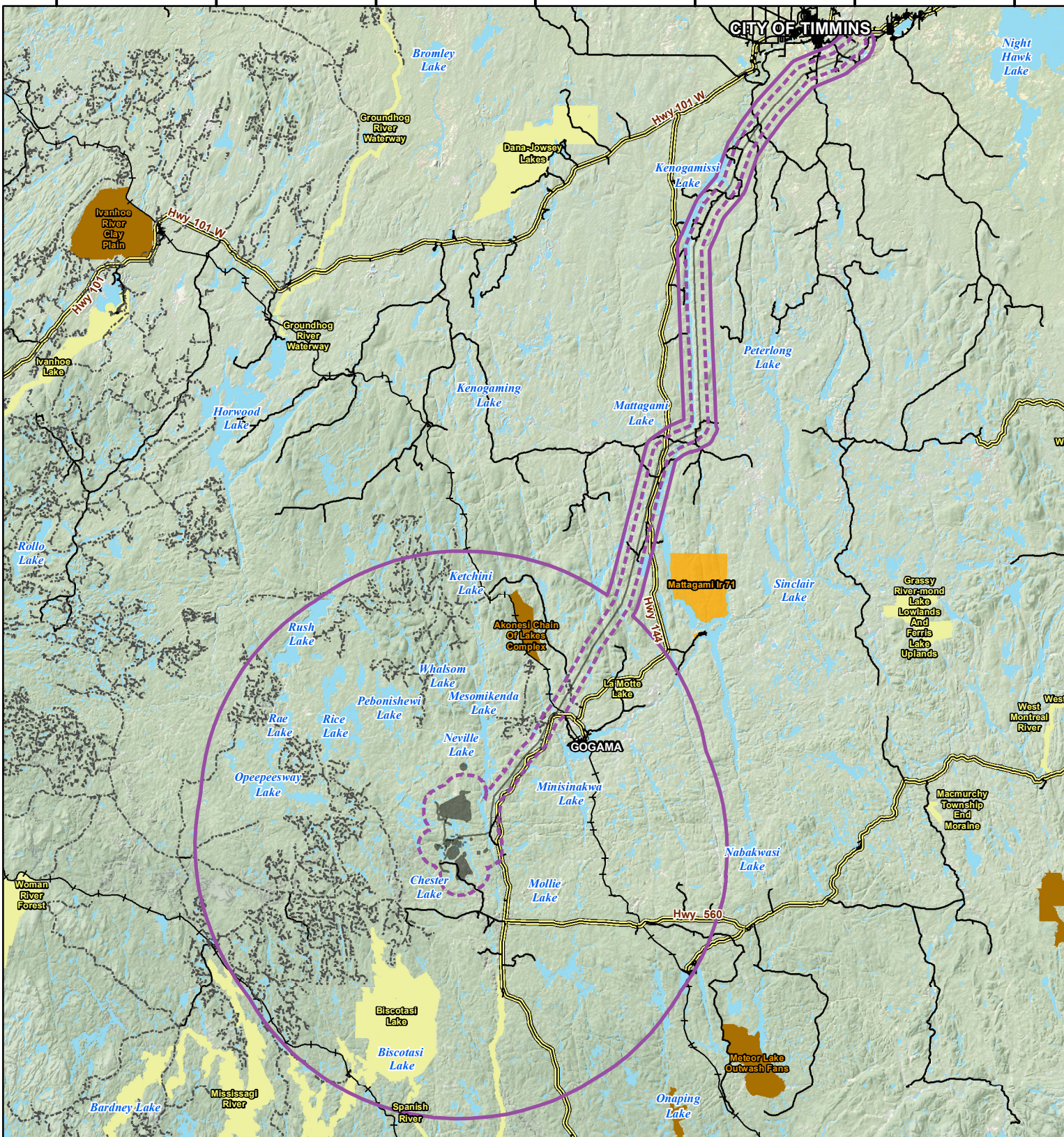
FIGURE: 9-8

SCALE: 1:310,000

DATE: April 2014















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LEGEND

-  Proposed Site Facilities
-  Regional Study Area
-  Local Study Area
-  Waterbody / Large Watercourse
-  Wooded Area
-  Railway
-  Highway/Expressway
-  Local Road
-  Resource / Recreation Road
-  First Nation Reserve
-  Conservation Reserve (Regulated)
-  Provincial Park

NOTES:
- All base data on this map was extracted from Land Information Ontario, MNDM, OBM Ontario Digital Geospatial database and Ontario Road Network Database.



CÔTÉ GOLD PROJECT

**Archaeology & Built Heritage
Local and Regional Study Areas**

Datum: NAD83
Projection: UTM Zone 17N



PROJECT N^o: TC121522

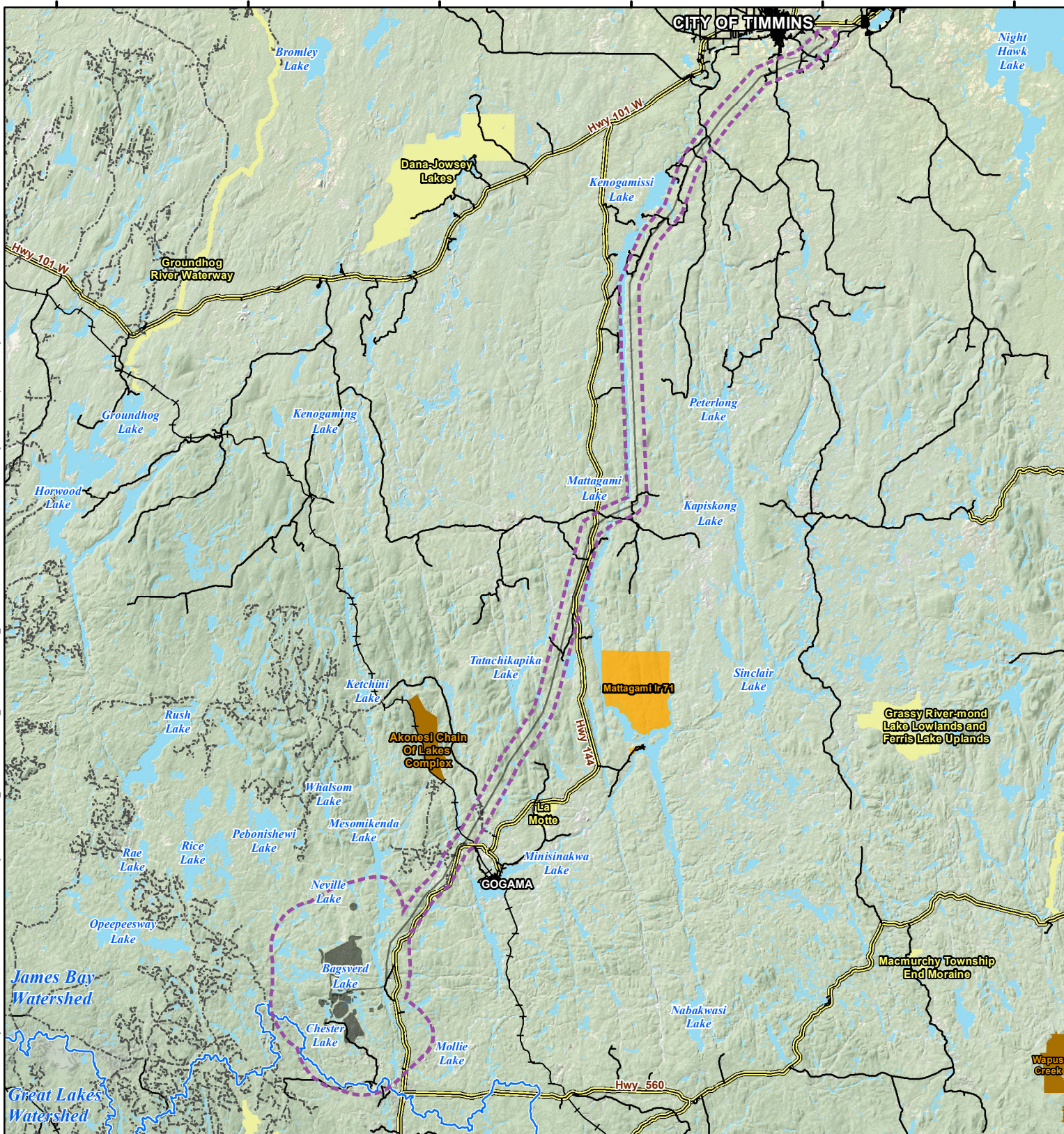
FIGURE: 9-9

SCALE: 1:660,000

DATE: April 2014



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Path: P:\EM\Projects\2012\TC121522_IAMGOLD\Cote Project\GIS\EA\EA_DRAFT\MXD\Draft_3\VisualAesthetics_LSA3.mxd, Author: Ken brookes, modified by sandra.marquez, 07 May 2014

LEGEND

- Proposed Site Facilities
- Local Study Area
- Watershed Divide
- Waterbody / Large Watercourse
- Wooded Area
- Railway
- Highway/Expressway
- Local Road
- Resource / Recreation Road
- First Nation Reserve
- Provincial Park
- Conservation Reserve (Regulated)

NOTES:
 - All base data on this map was extracted from Land Information Ontario, MNDM, OBM Ontario Digital Geospatial database and Ontario Road Network Database.



CÔTÉ GOLD PROJECT

**Visual Aesthetics
Local Study Area**

Datum: NAD83
 Projection: UTM Zone 17N



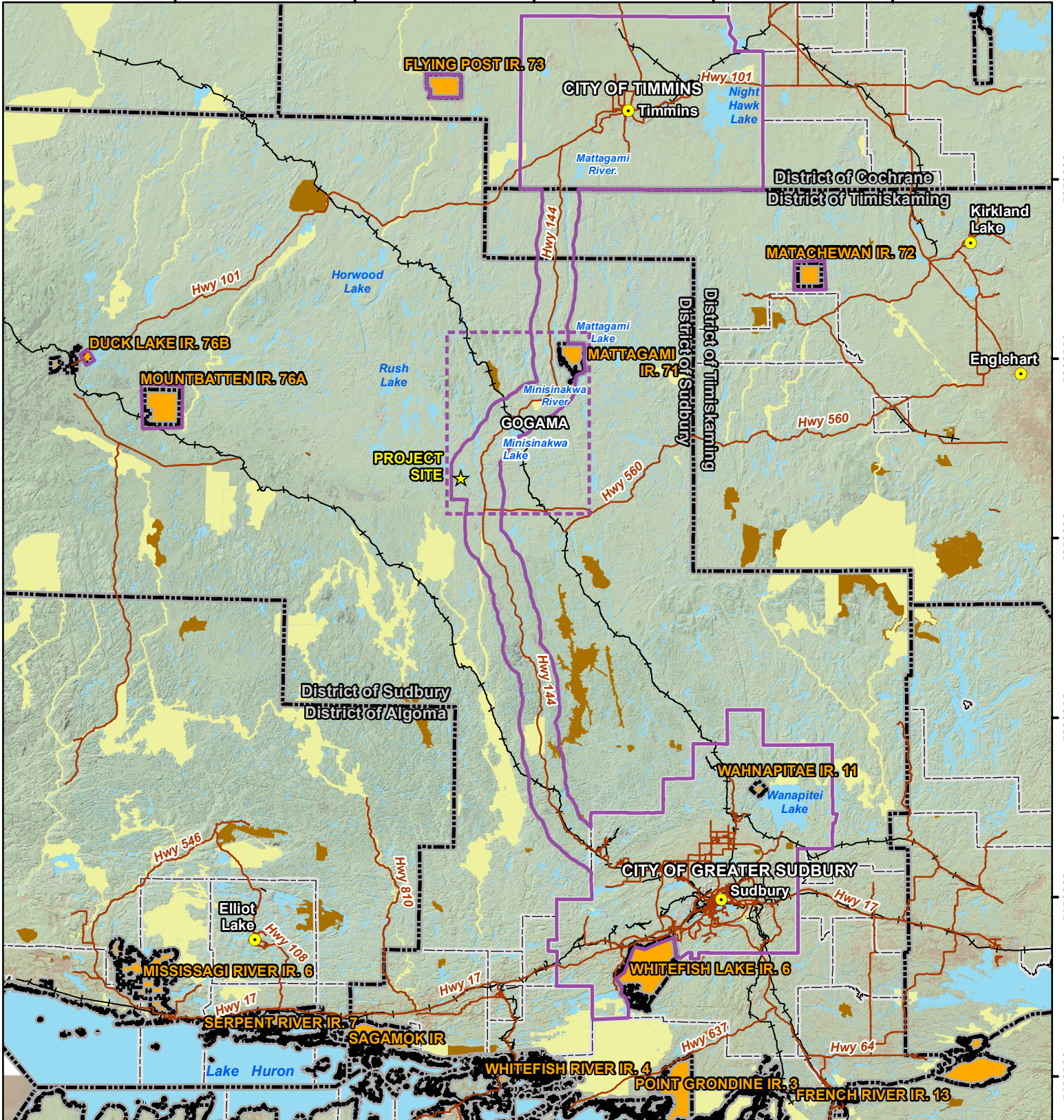
PROJECT N^o: TC121522

FIGURE: 9-10

SCALE: 1:550,000

DATE: April 2014





Path: P:\EM\Projects\2012\TC121522_IAMGOLD Cote Project\GIS\EA\EA_DRAFT\MXD\Draft_3\Socioeconomic_RSA_LSA.mxd. Author: ken.brookes, modified by sandra.marquez, 07 May 2014

LEGEND

- Project Site Location
- Regional Study Area
- Local Study Area
- Regional Communities
- Major Roads
- Railway
- Lower Tier Municipality Boundary
- Upper Tier Municipality Boundary
- First Nation Reserve
- Conservation Reserve (Regulated)
- Provincial Park
- Waterbody / Large Watercourse
- Wooded Area

NOTES:
- All base data on this map was extracted from Land Information Ontario, MNDM, OBM Ontario Digital Geospatial Database and Ontario Road Network Database.



CÔTÉ GOLD PROJECT

**Socio-Economics
Local and Regional Study Areas**

Datum: NAD83
Projection: UTM Zone 17N



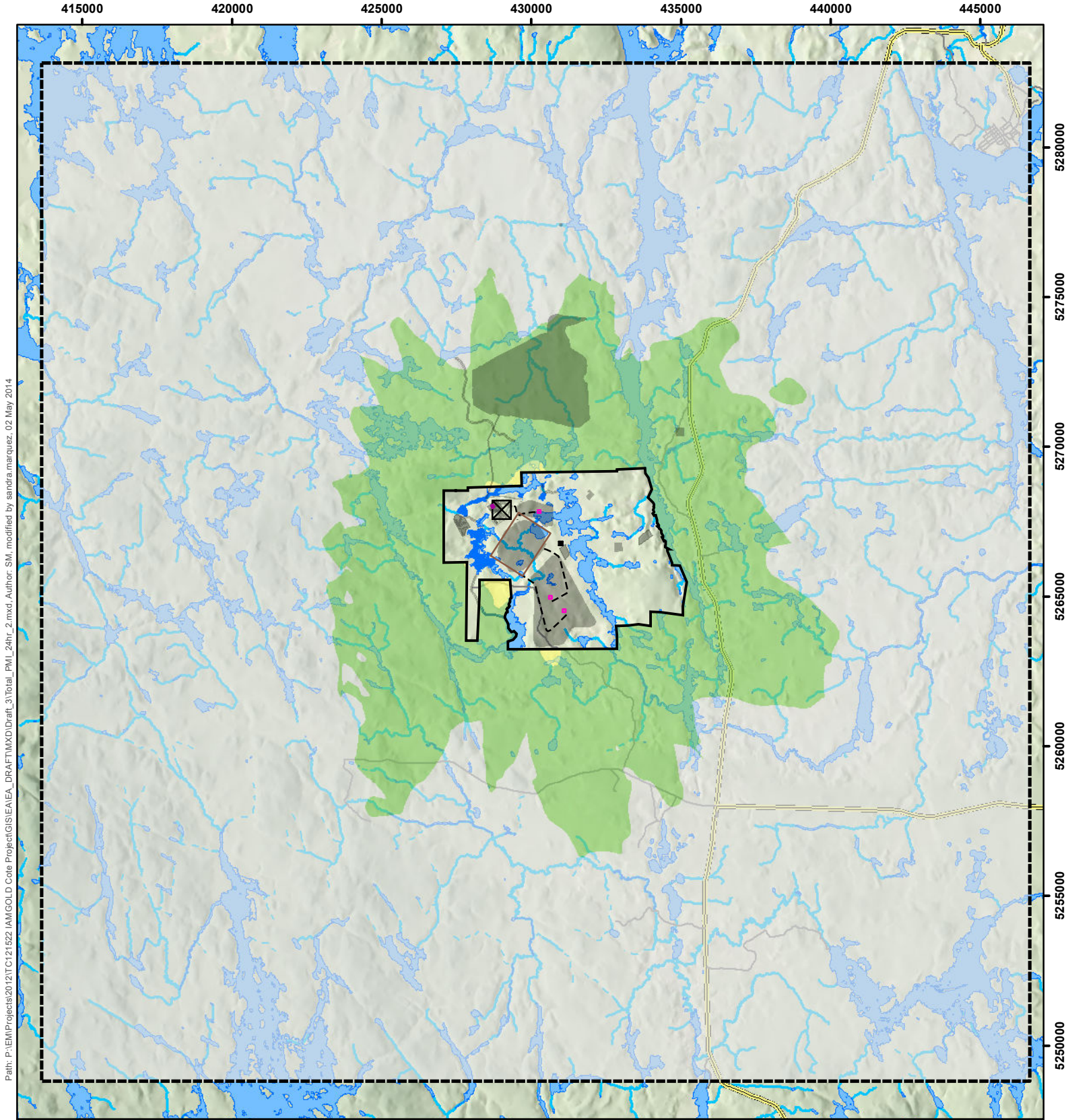
PROJECT N°: TC121522

FIGURE: 9-11

SCALE: 1:1,450,000

DATE: April 2014





Path: P:\EM\Projects\2012\TC121522\IAMGOLD Cote Project\GIS\EA\EA_DRAFT\MXD\Draft_3\Total_PMI_24hr_2.mxd. Author: SM, modified by sandra.marquez, 02 May 2014

LEGEND

- Existing Intermittent Watercourse
- Existing Permanent Watercourse
- Existing Waterbodies
- Proposed Lake Area
- Highway/Expressway
- Local Road
- Wooded Area
- Modelling Property Extent
- Dispersion Modelling Extent

Emission Sources

- Material Handling
- Processing Plant
- Pit
- Haul Roads
- Proposed Site Facilities

Emission Concentrations

- Level 1 (<21.4 µg/m³)
- Level 2 (21.4 µg/m³ - 120µg/m³)
- Level 3 (>120µg/m³)

NOTES:
 - All base data on this map was extracted from Land Information Ontario, MNDM, OBM Ontario Digital Geospatial Database and Ontario Road Network Database.
 - Watercourse realignment and proposed lake area provided by Calder Engineering.



CÔTÉ GOLD PROJECT

Total Suspended Particulate Matter Isopleth (24-Hour Averaging Time)

PROJECT N^o: TC121522

FIGURE: 9-12

SCALE: 1:170,000

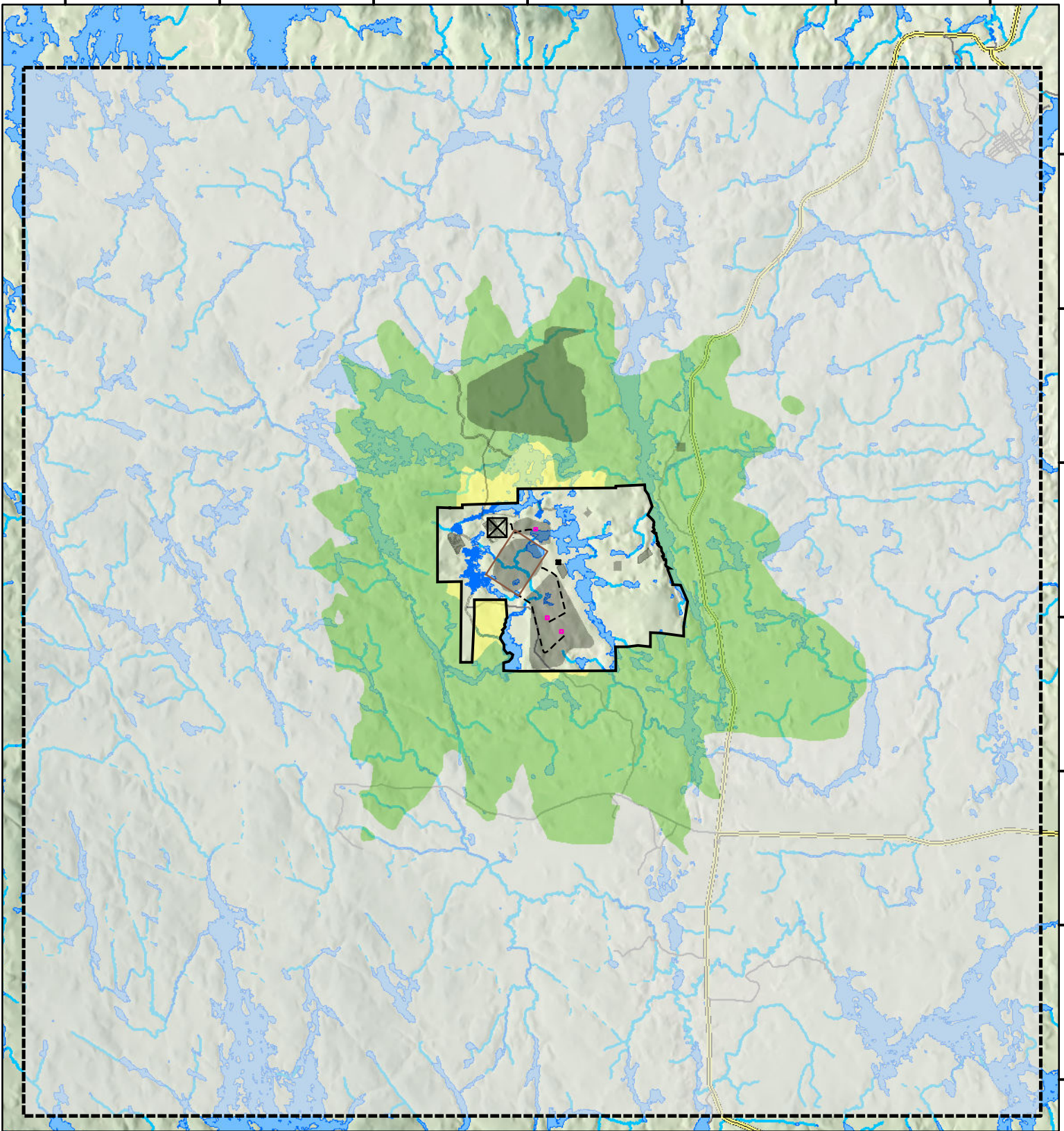
DATE: April 2014

Datum: NAD83
 Projection: UTM Zone 17N



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LEGEND

Existing Intermittent Watercourse	Material Handling
Existing Permanent Watercourse	Processing Plant
Existing Waterbodies	Pit
Proposed Lake Area	Haul Roads
Highway/Expressway	Proposed Site Facilities
Local Road	
Wooded Area	Emission Concentrations
Modelling Property Extent	Level 1 (<13.9 µg/m³)
Dispersion Modelling Extent	Level 2 (13.9 µg/m³- 50 µg/m³)
	Level 3 (> 50µg/m³)

NOTES:
 - All base data on this map was extracted from Land Information Ontario, MNDM, OBM Ontario Digital Geospatial database and Ontario Road Network Database.
 - Watercourse realignment and proposed lake area provided by Calder Engineering.

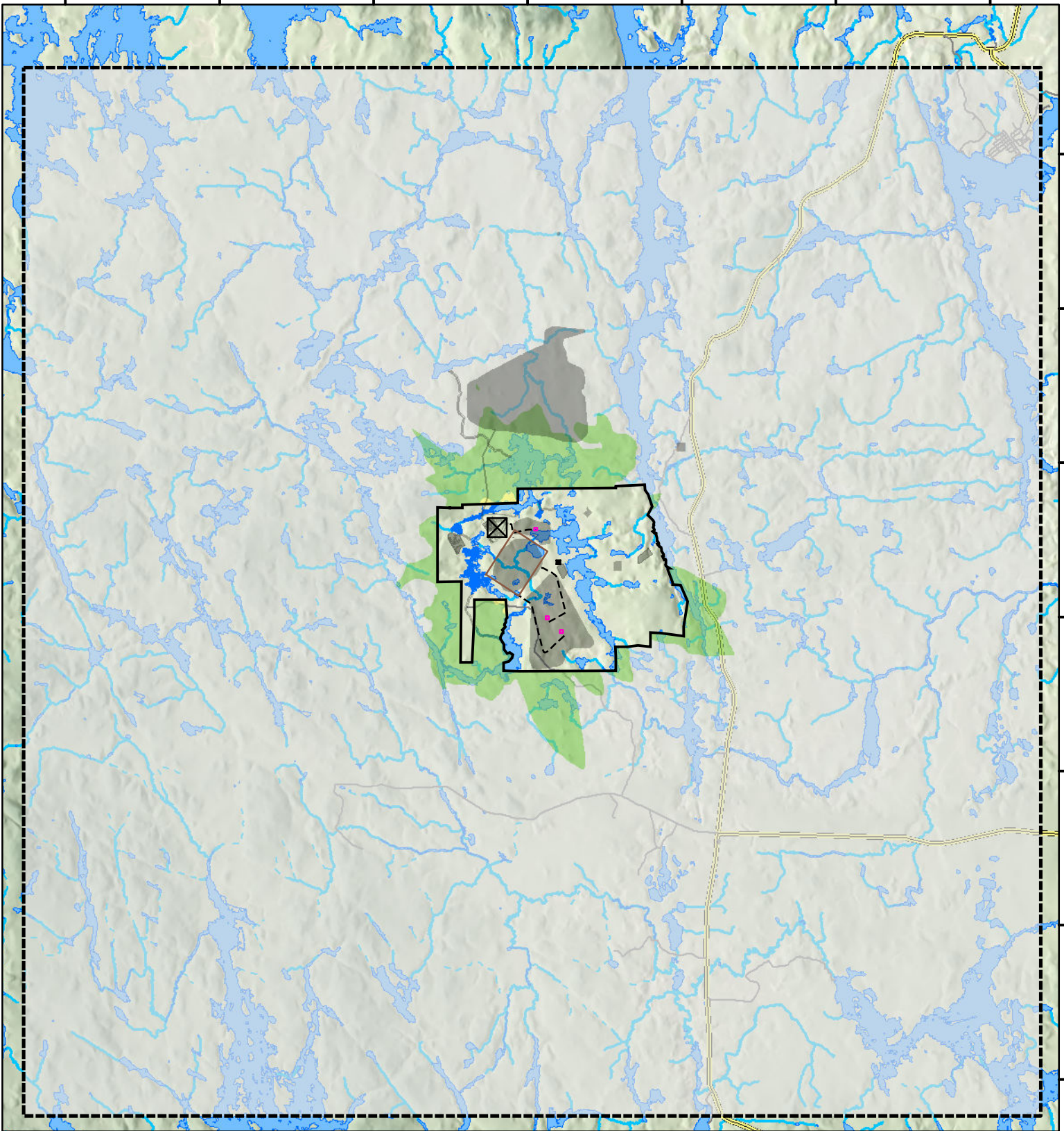
Datum: NAD83
 Projection: UTM Zone 17N

CÔTÉ GOLD PROJECT	
Particulate Matter PM10 Isopleth (24-Hour Averaging Time)	
PROJECT N ^o : TC121522	FIGURE: 9-13
SCALE: 1:170,000	DATE: April 2014



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LEGEND	
Existing Intermittent Watercourse	Material Handling
Existing Permanent Watercourse	Processing Plant
Existing Waterbodies	Pit
Proposed Lake Area	Haul Roads
Highway/Expressway	Proposed Site Facilities
Local Road	Emission Concentrations
Wooded Area	Level 1 (< 9.8µg/m³)
Modelling Property Extent	Level 2 (9.8µg/m³ - 25µg/m³)
Dispersion Modelling Extent	Level 3 (> 25µg/m³)

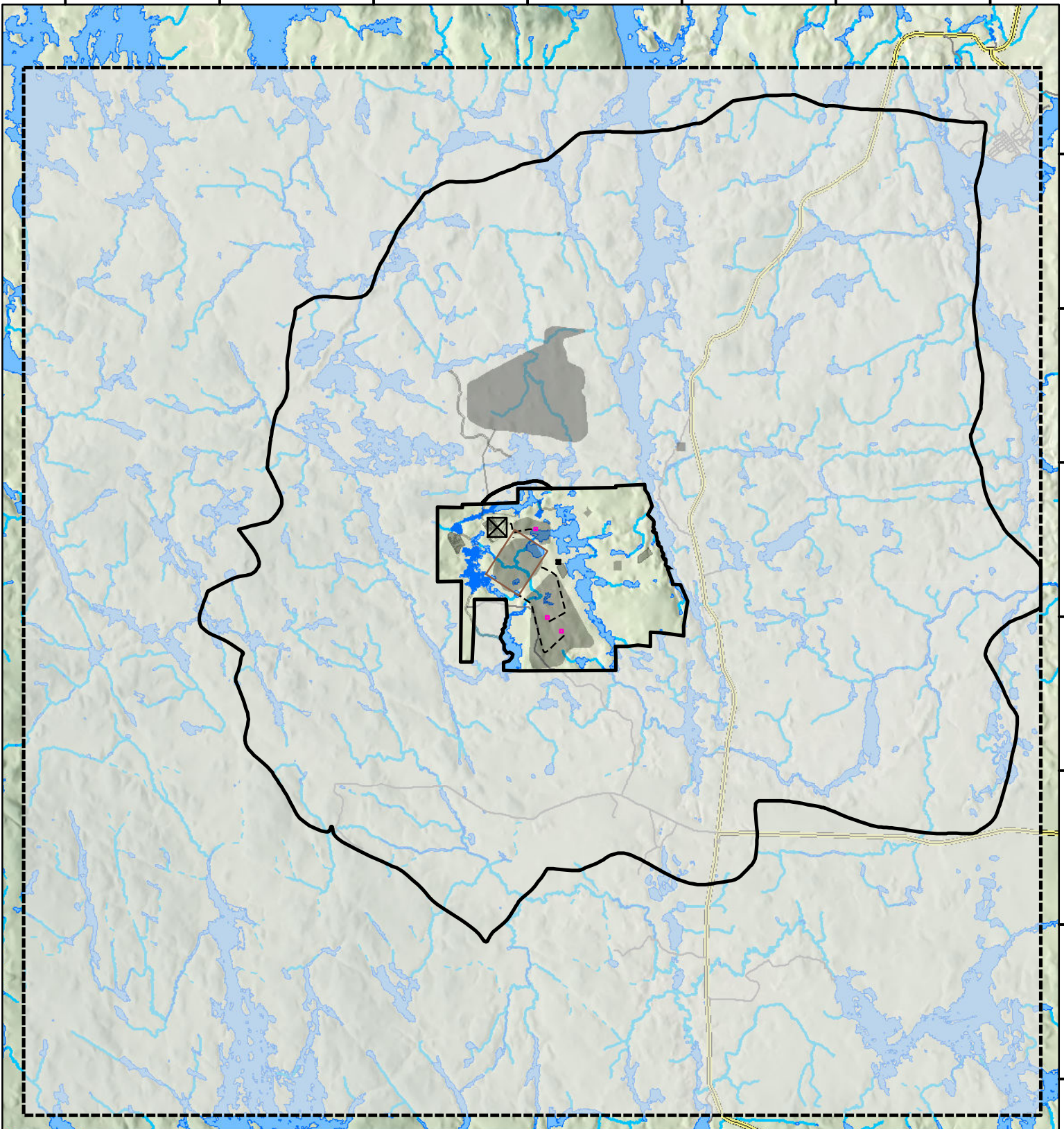
NOTES:
 - All base data on this map was extracted from Land Information Ontario, MNDM, OBM Ontario Digital Geospatial database and Ontario Road Network Database.
 - Watercourse realignment and proposed lake area provided by Calder Engineering.

Datum: NAD83
 Projection: UTM Zone 17N

CÔTÉ GOLD PROJECT	
Particulate Matter PM2.5 Isopleth (24-Hour Averaging Time)	
PROJECT N ^o : TC121522	FIGURE: 9-14
SCALE: 1:170,000	DATE: April 2014



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LEGEND

- Existing Intermittent Watercourse
- Existing Permanent Watercourse
- Existing Waterbodies
- Proposed Lake Area
- Highway/Expressway
- Local Road
- Wooded Area
- Modelling Property Extent
- Dispersion Modelling Extent

Emission Sources

- Material Handling
- Processing Plant
- Pit
- Haul Roads
- Proposed Site Facilities

Emission Concentrations

- Level 1 (< 4.2µg/m³)
- Level 2 (4.2µg/m³ - 8.8µg/m³)
- Level 3 (> 8.8µg/m³)

NOTES:

- All base data on this map was extracted from Land Information Ontario, MNDM, OBM Ontario Digital Geospatial database and Ontario Road Network Database.
- Watercourse realignment and proposed lake area provided by Calder Engineering.



CÔTÉ GOLD PROJECT

Particulate Matter PM2.5 Isopleth (Annual Average)

Datum: NAD83
Projection: UTM Zone 17N



PROJECT N^o: TC121522

FIGURE: 9-15

SCALE: 1:170,000

DATE: April 2014



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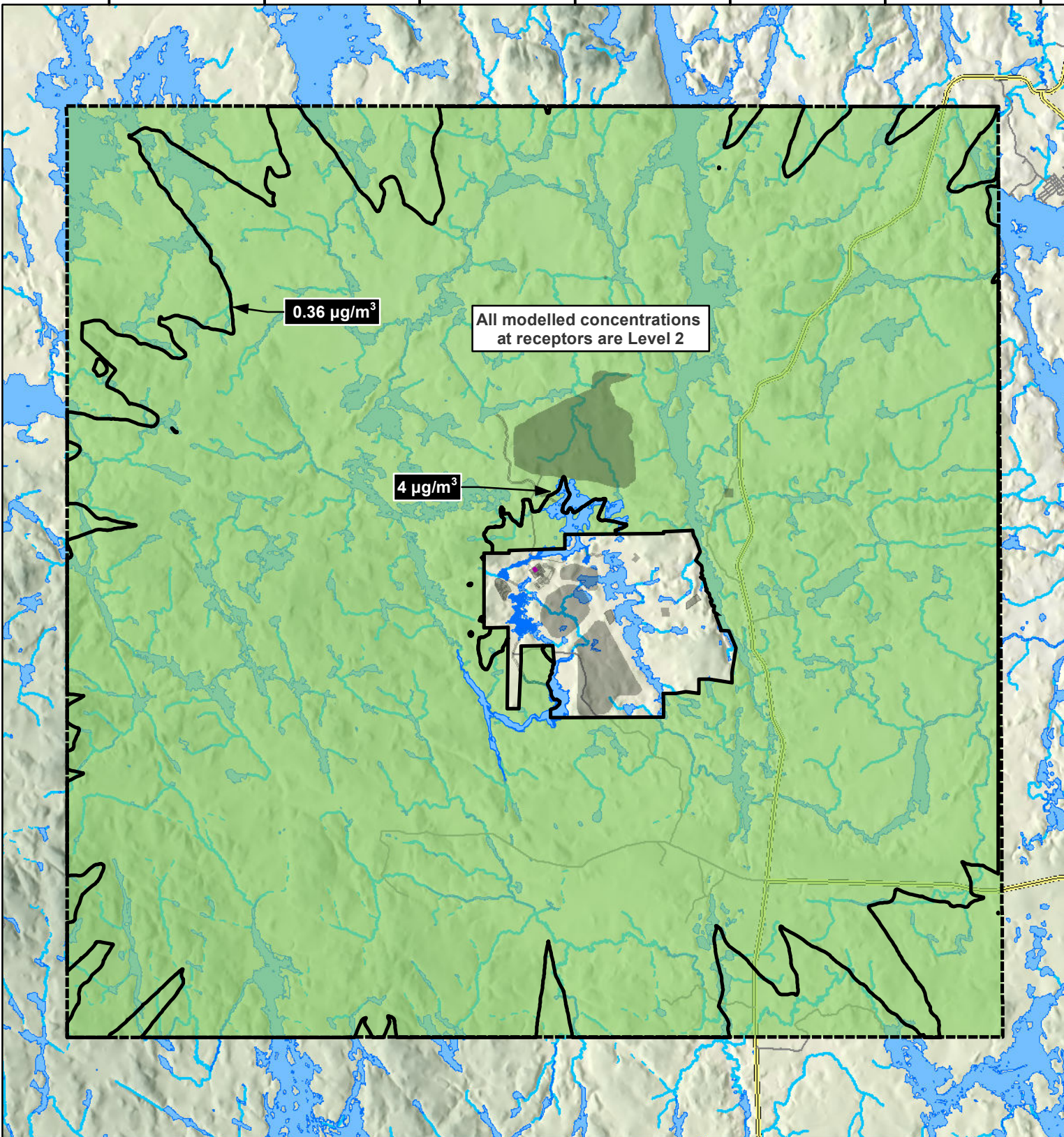
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LEGEND

- Existing Intermittent Watercourse
- Existing Permanent Watercourse
- Existing Waterbodies
- Proposed Lake Area
- Highway/Expressway
- Local Road
- Wooded Area
- Modelling Property Extent
- Dispersion Modelling Extent

- Emission Sources**
- Leach
 - Proposed Site Facilities

- Emission Concentrations**
- Level 1 (< 0.18µg/m³)
 - Level 2 (0.18µg/m³ - 8µg/m³)
 - Level 3 (> 8µg/m³)

NOTES:
 - All base data on this map was extracted from Land Information Ontario, MNDM, OBM Ontario Digital Geospatial database and Ontario Road Network Database.
 - Watercourse realignment and proposed lake area provided by Calder Engineering.



CÔTÉ GOLD PROJECT

Hydrogen Cyanide Isopleth (24-Hour Averaging Time)

Datum: NAD83
Projection: UTM Zone 17N



PROJECT N°: TC121522

FIGURE: 9-16

SCALE: 1:170,000

DATE: April 2014



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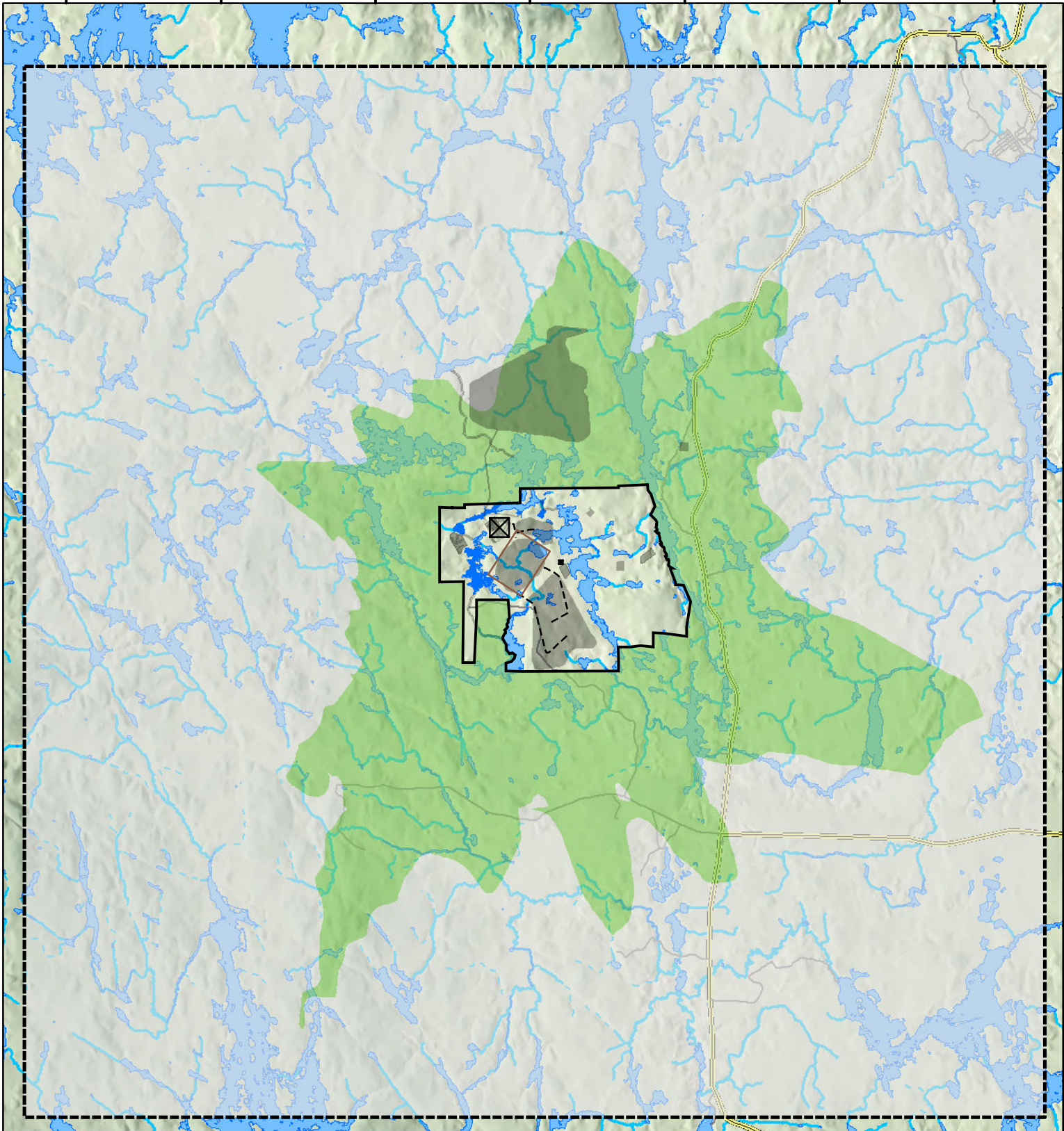
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LEGEND

- Existing Intermittent Watercourse
- Existing Permanent Watercourse
- Existing Waterbodies
- Proposed Lake Area
- Highway/Expressway
- Local Road
- Wooded Area
- Modelling Property Extent
- Dispersion Modelling Extent

Emission Sources

- Processing Plant
- Pit
- Haul Roads
- Proposed Site Facilities

Emission Concentrations

- Level 1 (<math>< 24.6 \mu\text{g}/\text{m}^3</math>)
- Level 2 ($24.6 \mu\text{g}/\text{m}^3 - 200 \mu\text{g}/\text{m}^3$)
- Level 3 (> $200 \mu\text{g}/\text{m}^3$)

NOTES:
 - All base data on this map was extracted from Land Information Ontario, MNDM, OBM Ontario Digital Geospatial database and Ontario Road Network Database.
 - Watercourse realignment and proposed lake area provided by Calder Engineering.



CÔTÉ GOLD PROJECT

**Nitrogen Dioxide NO₂
(24-Hour Averaging Time)**

Datum: NAD83
Projection: UTM Zone 17N



PROJECT N°: TC121522

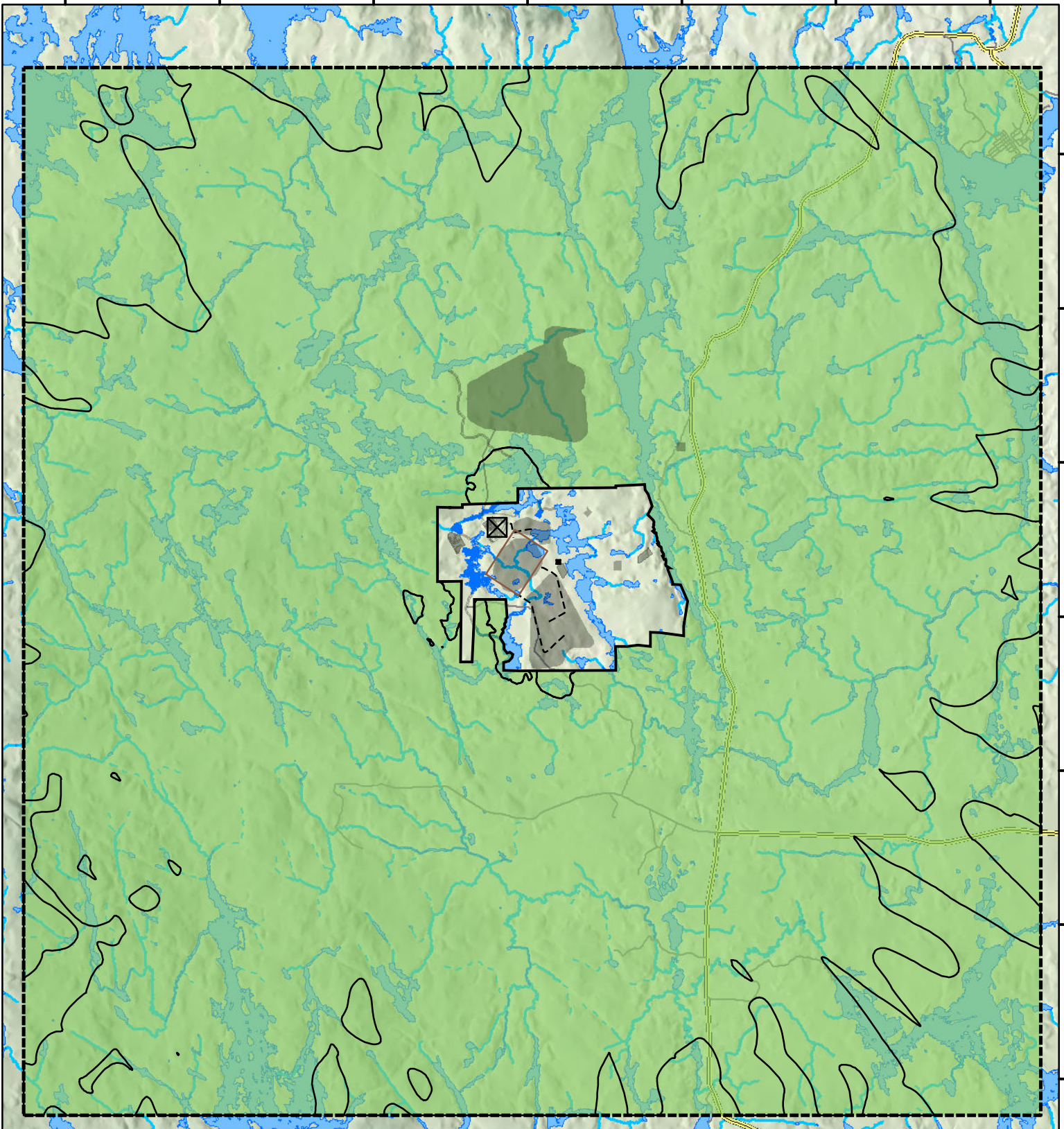
FIGURE: 9-17

SCALE: 1:170,000

DATE: April 2014



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LEGEND

- | | |
|---|---|
| <ul style="list-style-type: none"> Existing Intermittent Watercourse Existing Permanent Watercourse Existing Waterbodies Proposed Lake Area Highway/Expressway Local Road Wooded Area Modelling Property Extent Dispersion Modelling Extent | <p>Emission Sources</p> <ul style="list-style-type: none"> Processing Plant Pit Haul Roads Proposed Site Facilities <p>Emission Concentrations</p> <ul style="list-style-type: none"> Level 1 (< 24.6µg/m³) Level 2 (24.6µg/m³ - 400µg/m³) Level 3 (> 400µg/m³) |
|---|---|

NOTES:
 - All base data on this map was extracted from Land Information Ontario, MNDM, OBM Ontario Digital Geospatial database and Ontario Road Network Database.
 - Watercourse realignment and proposed lake area provided by Calder Engineering.



CÔTÉ GOLD PROJECT

**Nitrogen Dioxide NO₂
(1-Hour Averaging Time)**

Datum: NAD83
 Projection: UTM Zone 17N

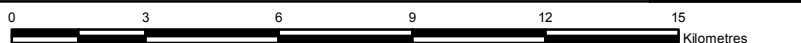


PROJECT N^o: TC121522

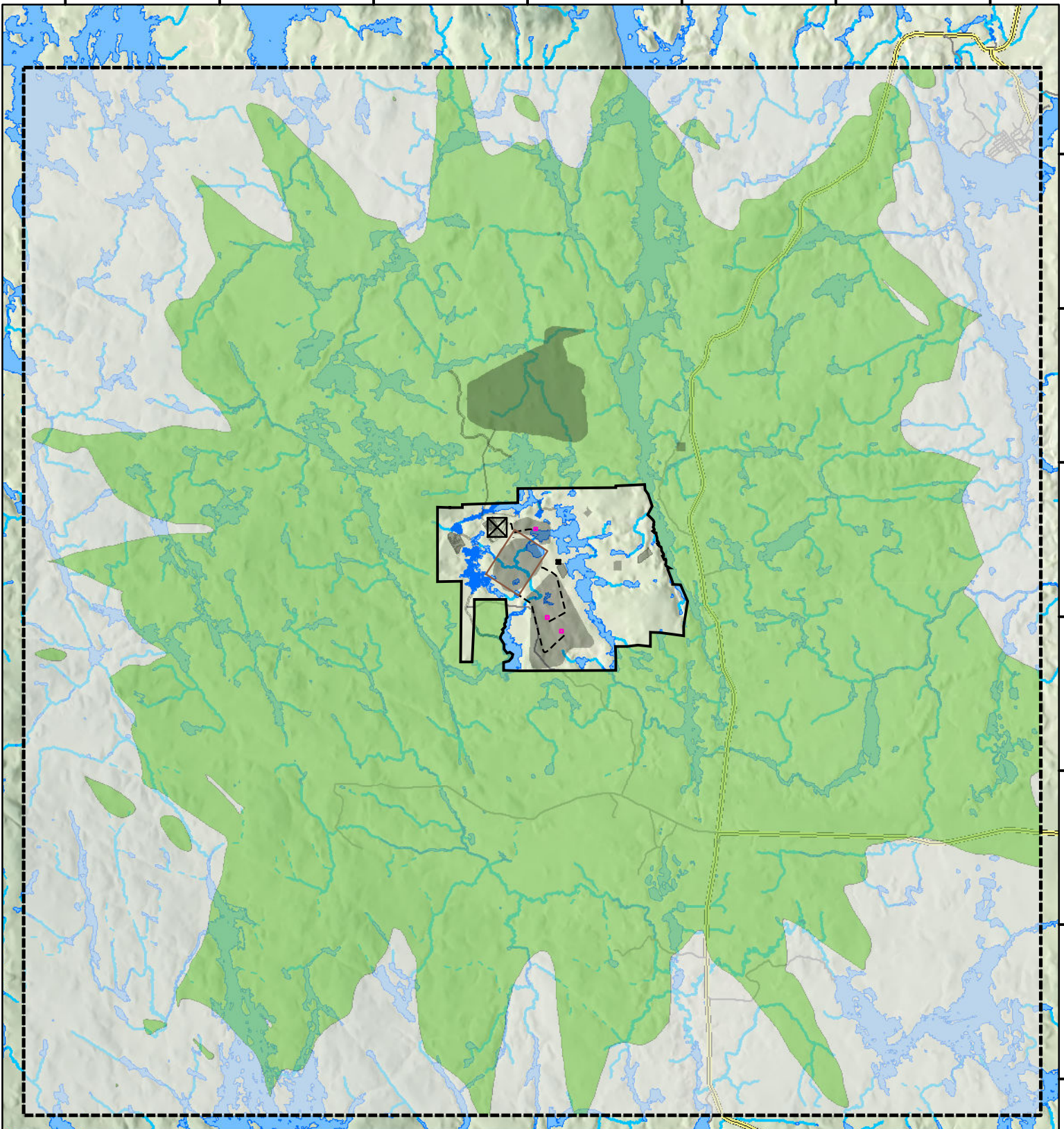
FIGURE: 9-18

SCALE: 1:170,000

DATE: April 2014



415000 420000 425000 430000 435000 440000 445000



Path: P:\EM\Projects\2012\TC121522\IAMGOLD Cote Project\GIS\EA\EA_DRAFT\MXD\Draft_3\1\m_24hr_2.mxd, Author: SM, modified by sandra.marquez, 02 May 2014

5280000
5275000
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LEGEND

- Existing Intermittent Watercourse
- Existing Permanent Watercourse
- Existing Waterbodies
- Highway/Expressway
- Local Road
- Wooded Area
- Modelling Property Extent
- Dispersion Modelling Extent

Emission Sources

- Material Handling
- Processing Plant
- Pit
- Haul Roads
- Proposed Site Facilities

Emission Concentrations

- Level 1 (< 0.0055µg/m³)
- Level 2 (0.0055µg/m³ - 0.2µg/m³)
- Level 3 (> 0.2µg/m³)

NOTES:
 - All base data on this map was extracted from Land Information Ontario, MNDM, OBM Ontario Digital Geospatial database and Ontario Road Network Database.
 - Watercourse realignment and proposed lake area provided by Calder Engineering.



CÔTÉ GOLD PROJECT

**Manganese Isopleth
(24-Hour Averaging Time)**

Datum: NAD83
 Projection: UTM Zone 17N



PROJECT N^o: TC121522

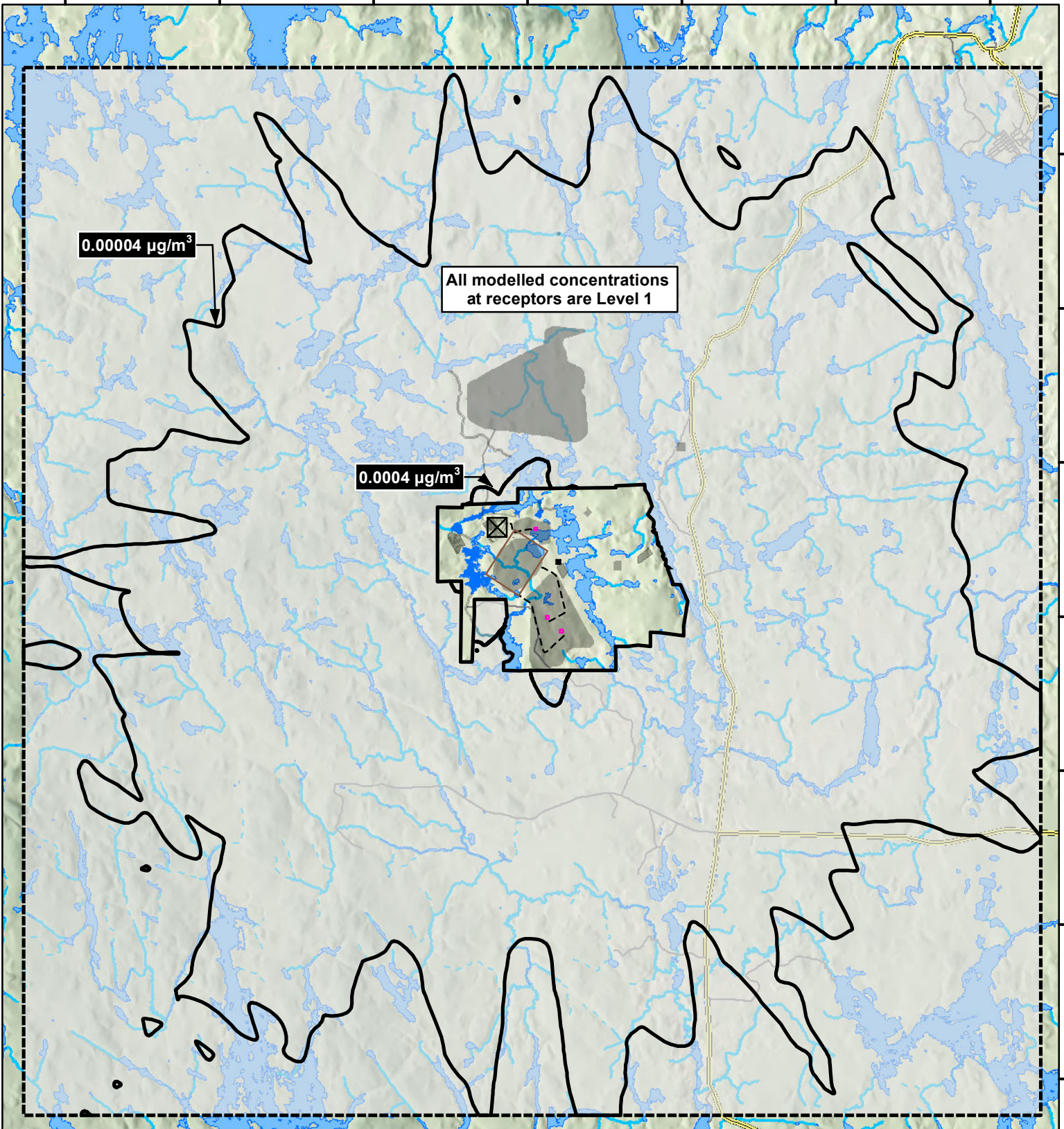
FIGURE: 9-19

SCALE: 1:170,000

DATE: April 2014



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Path: P:\EM\Projects\2012\TC121522\IAMGOLD\Gis\A\EA\EA_DRAFT\MXD\Draft_3\As_24hr_2.mxd, Author: SM, modified by sandra.marquez, 02 May 2014

LEGEND

- | | |
|---|---|
| <ul style="list-style-type: none"> Existing Intermittent Watercourse Existing Permanent Watercourse Existing Waterbodies Proposed Lake Area Highway/Expressway Local Road Wooded Area Modelling Property Extent Dispersion Modelling Extent | <p>Emission Sources</p> <ul style="list-style-type: none"> Material Handling Processing Plant Pit Haul Roads Proposed Site Facilities <p>Emission Concentrations</p> <ul style="list-style-type: none"> Level 1 (< 0.0018µg/m³) Level 2 (0.0018µg/m³ - 0.3µg/m³) Level 3 (> 0.3µg/m³) |
|---|---|

NOTES:
 - All base data on this map was extracted from Land Information Ontario, MNDM, OBM Ontario Digital Geospatial database and Ontario Road Network Database.
 - Watercourse realignment and proposed lake area provided by Calder Engineering.



CÔTÉ GOLD PROJECT

**Arsenic Isopleth
(24-Hour Averaging Time)**

Datum: NAD83
 Projection: UTM Zone 17N



PROJECT N^o: TC121522

FIGURE: 9-20

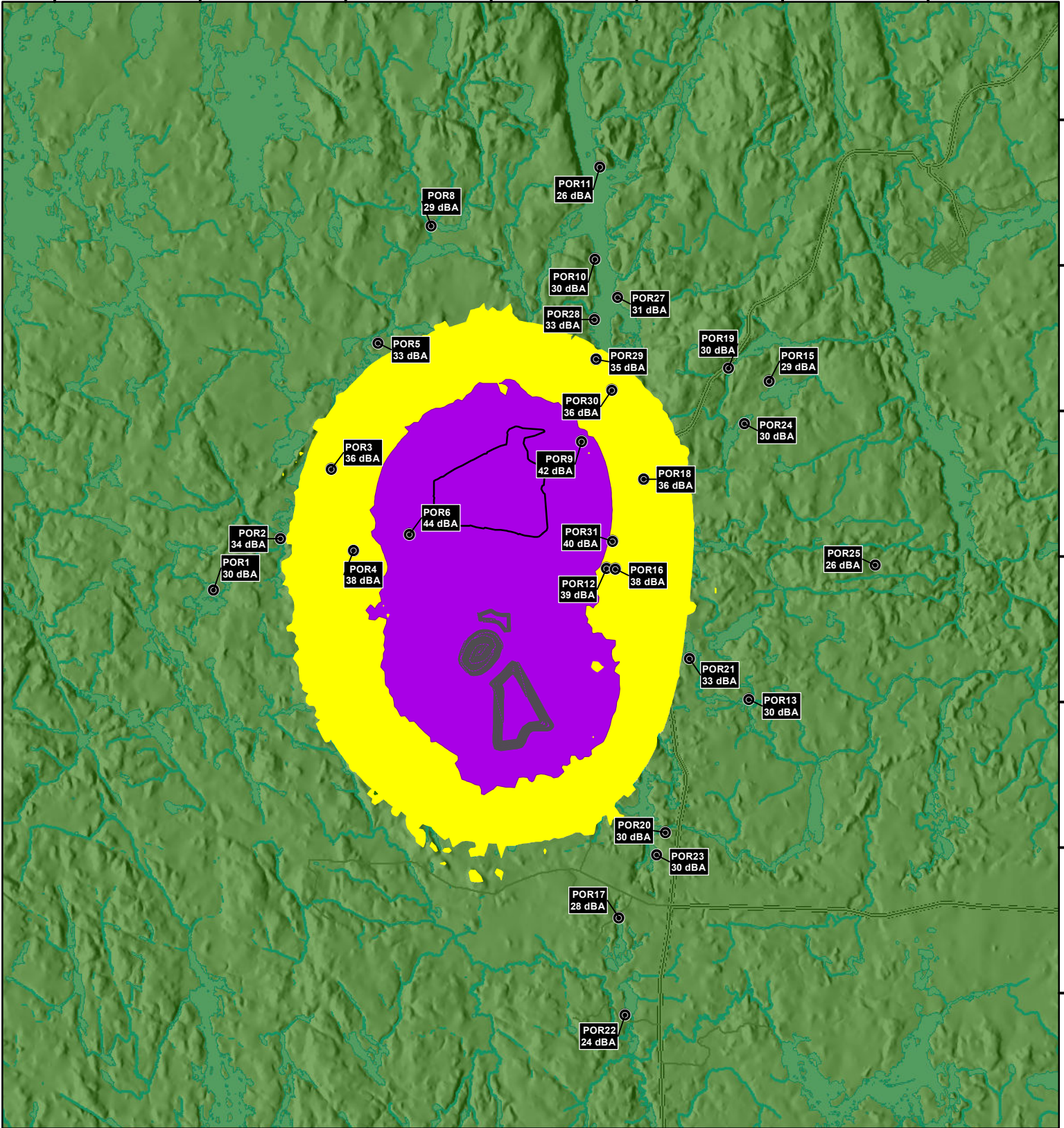
SCALE: 1:170,000

DATE: April 2014



415000 420000 425000 430000 435000 440000 445000

5285000
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5275000
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5265000
5260000
5255000



Path: P:\EM\Projects\2012\TC121522_IAMGOLD Cote Project\GIS\EA\EA_DRAFT\MXD\Draft_3\Construction\Night_line2.mxd, Author: SM, modified by sandra.marquez, 18 March 2014

LEGEND

- Receptors
- > 40 dBA
- 40 - 34 dBA
- < 34 dBA
- Proposed Mine features

NOTES:
All base data on this map was extracted from Land Information Ontario, MNDM, OBM Ontario Digital Geospatial database and Ontario Road Network Database.



CÔTÉ GOLD PROJECT

Nighttime Construction Noise Levels

Datum: NAD83
Projection: UTM Zone 17N



PROJECT N°: TC121522

FIGURE: 9-22

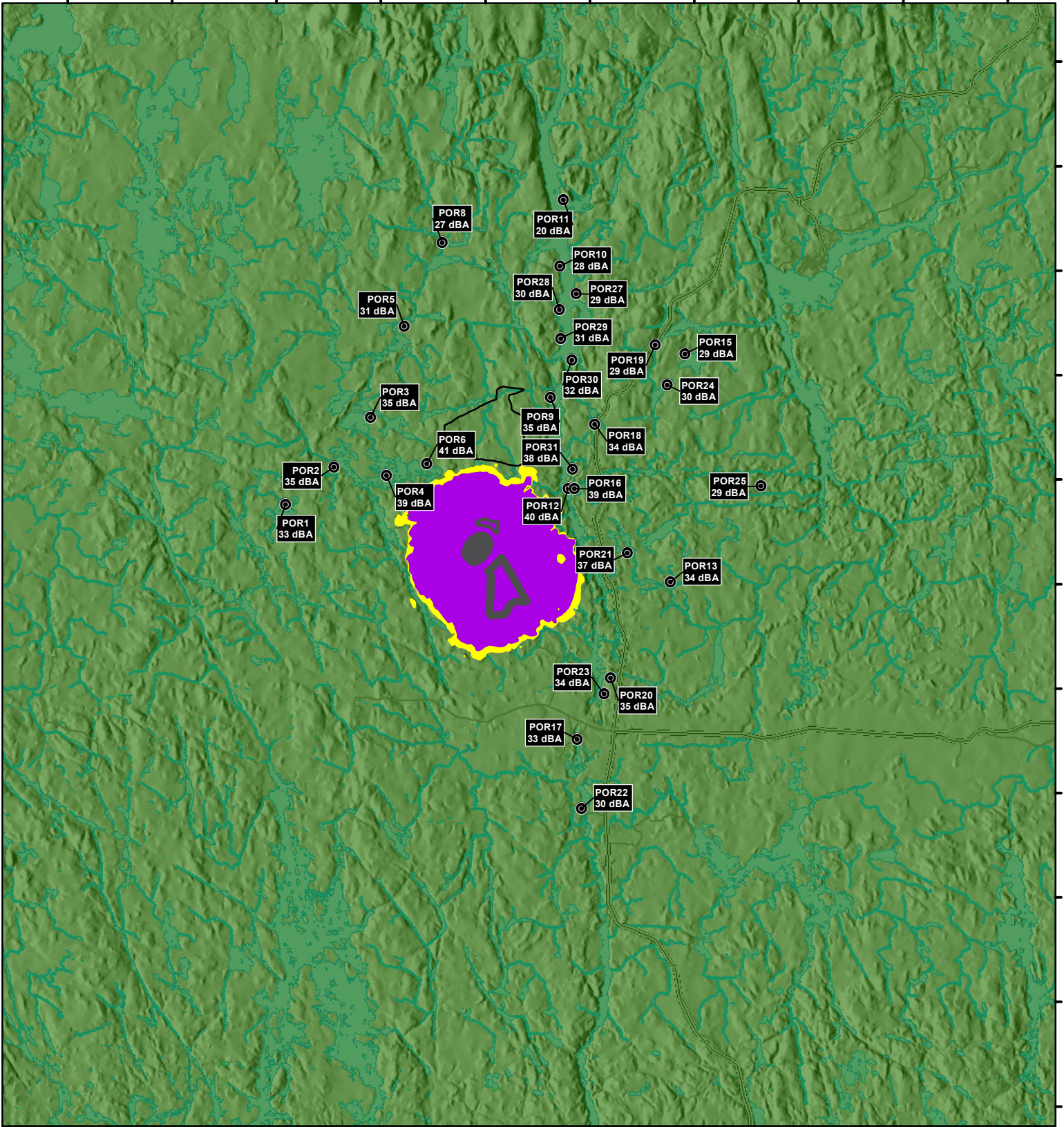


SCALE: 1:180,000

DATE: April 2014

410000 415000 420000 425000 430000 435000 440000 445000 450000 455000

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5245000
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Path: P:\EM\Projects\2012\TC121522\IAMGOLD Cote Project\GIS\EA\EA_DRAFT\MXD\Draft_3year_1_day_2.mxd, Author: SM, modified by sandra.marquez, 18 March 2014

LEGEND

- Receptors
- Proposed Mine features
- > 45 dBA
- 45 - 44 dBA
- < 44 dBA

NOTES:
- All base data on this map was extracted from Land Information Ontario, MNDM, OBM Ontario Digital Geospatial database and Ontario Road Network Database.



CÔTÉ GOLD PROJECT

**Daytime Operational Noise Contour
Year 1**

Datum: NAD83
Projection: UTM Zone 17N



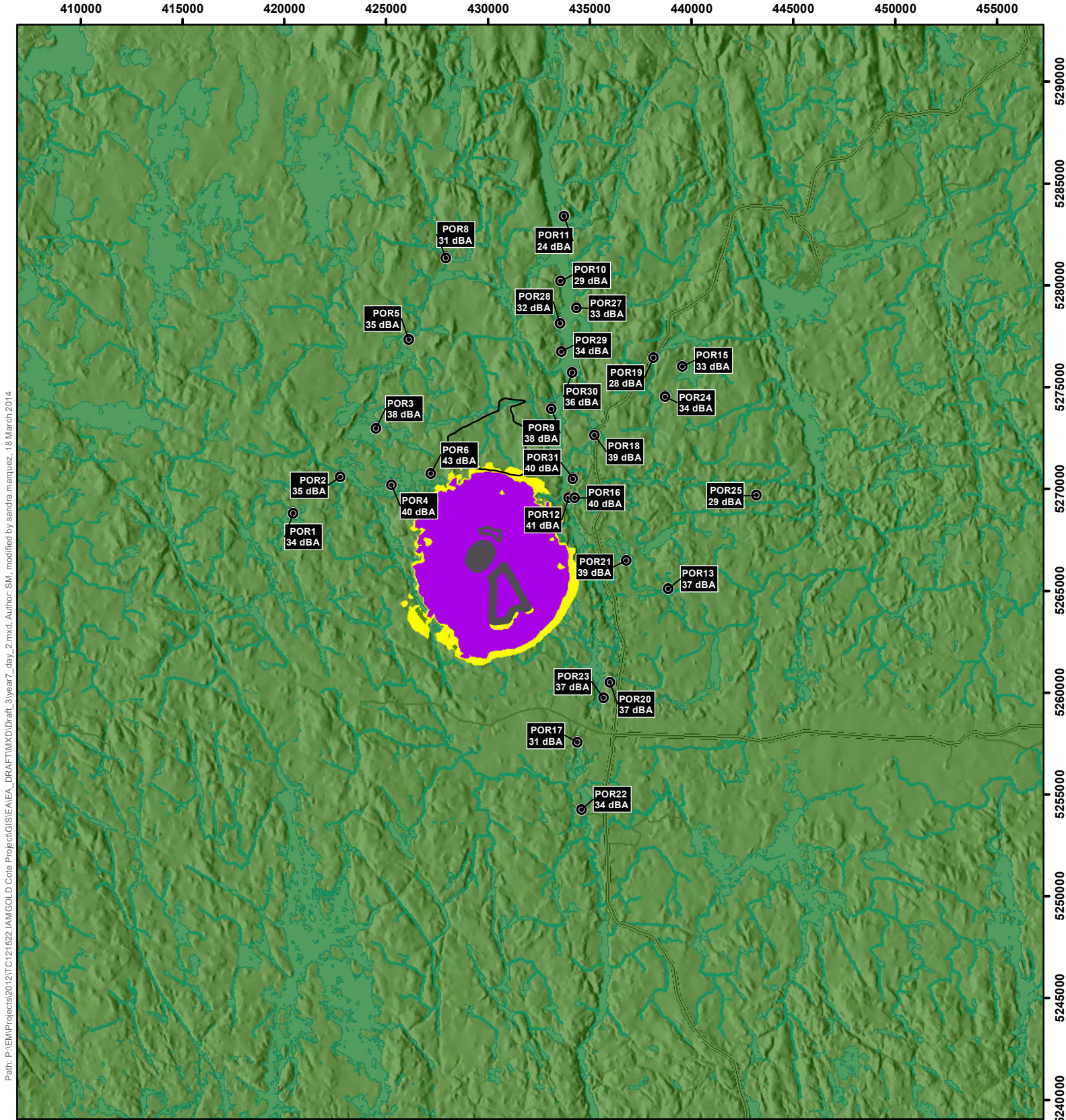
PROJECT N^o: TC121522

FIGURE: 9-23



SCALE: 1:250,000

DATE: April 2014



Path: P:\EM\Projects\2012\TC121522\IAMGOLD Cote Project\GIS\EA\EA_DRAFT\MXD\Draft_3year7_day_2.mxd. Author: SM, modified by sandra.marquez, 18 March 2014

LEGEND

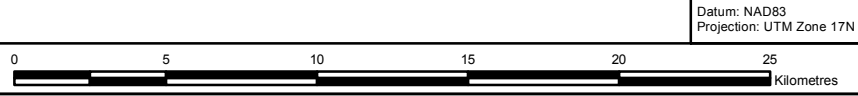
- Receptors
- > 45 dBA
- 45 - 44 dBA
- < 44 dBA
- Proposed Mine features

NOTES:
 - All base data on this map was extracted from Land Information Ontario, MNDM, OBM Ontario Digital Geospatial database and Ontario Road Network Database.



CÔTÉ GOLD PROJECT

Daytime Operational Noise Contour Year 7



Datum: NAD83
 Projection: UTM Zone 17N

PROJECT N^o: TC121522

SCALE: 1:250,000

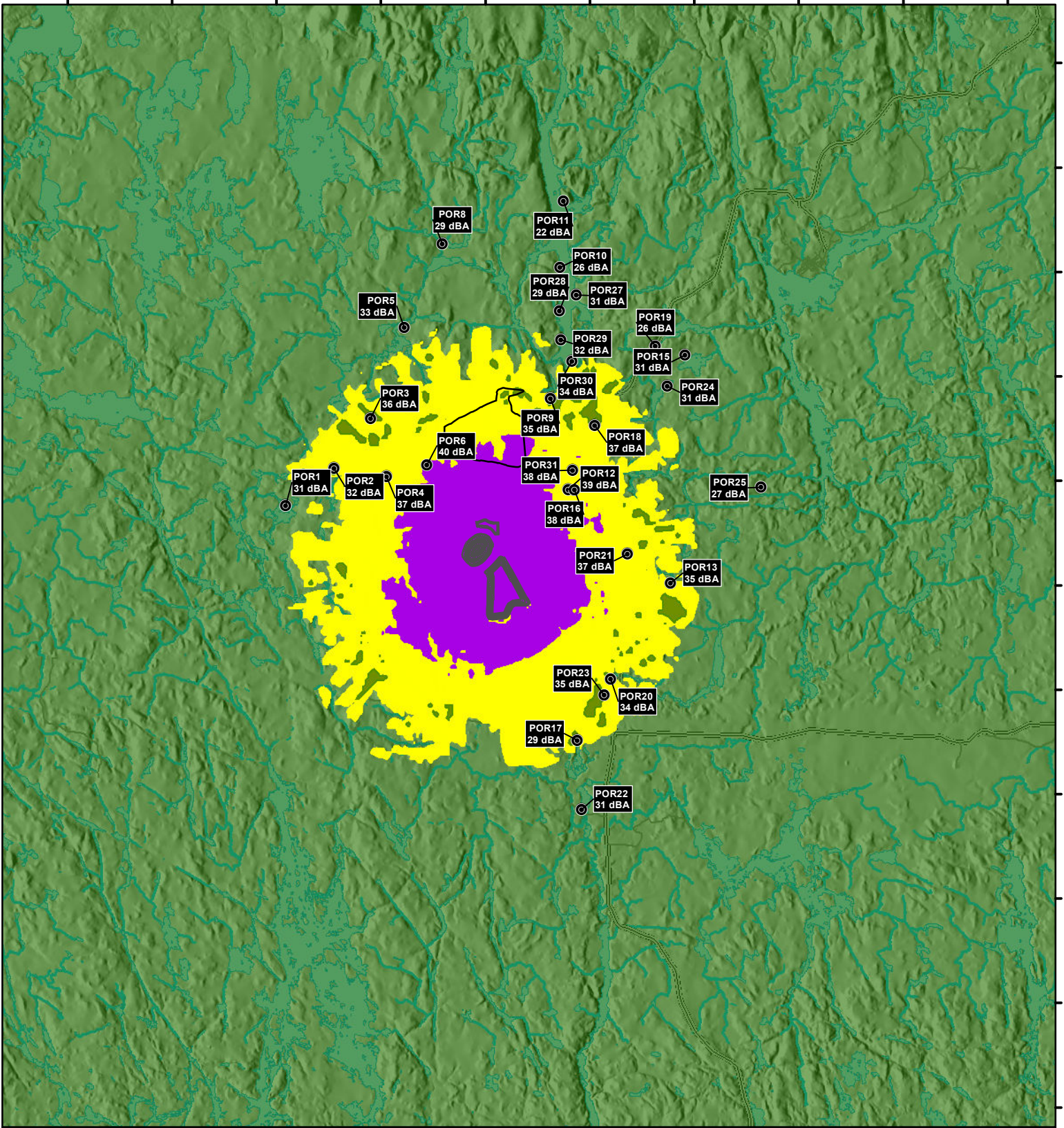
FIGURE: 9-24

DATE: April 2014

410000 415000 420000 425000 430000 435000 440000 445000 450000 455000

5290000
5285000
5280000
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Path: P:\EM\Projects\2012\TC121522\IAMGOLD\Gis\EA\EA_DRAFT\MXD\Draft_3year7_night_2.mxd; Author: SM; modified by sandra.marquez; 18 March 2014





LEGEND

- Receptors
- Proposed Mine features
- > 40 dBA
- 40 - 34 dBA
- < 34 dBA

Datum: NAD83
Projection: UTM Zone 17N

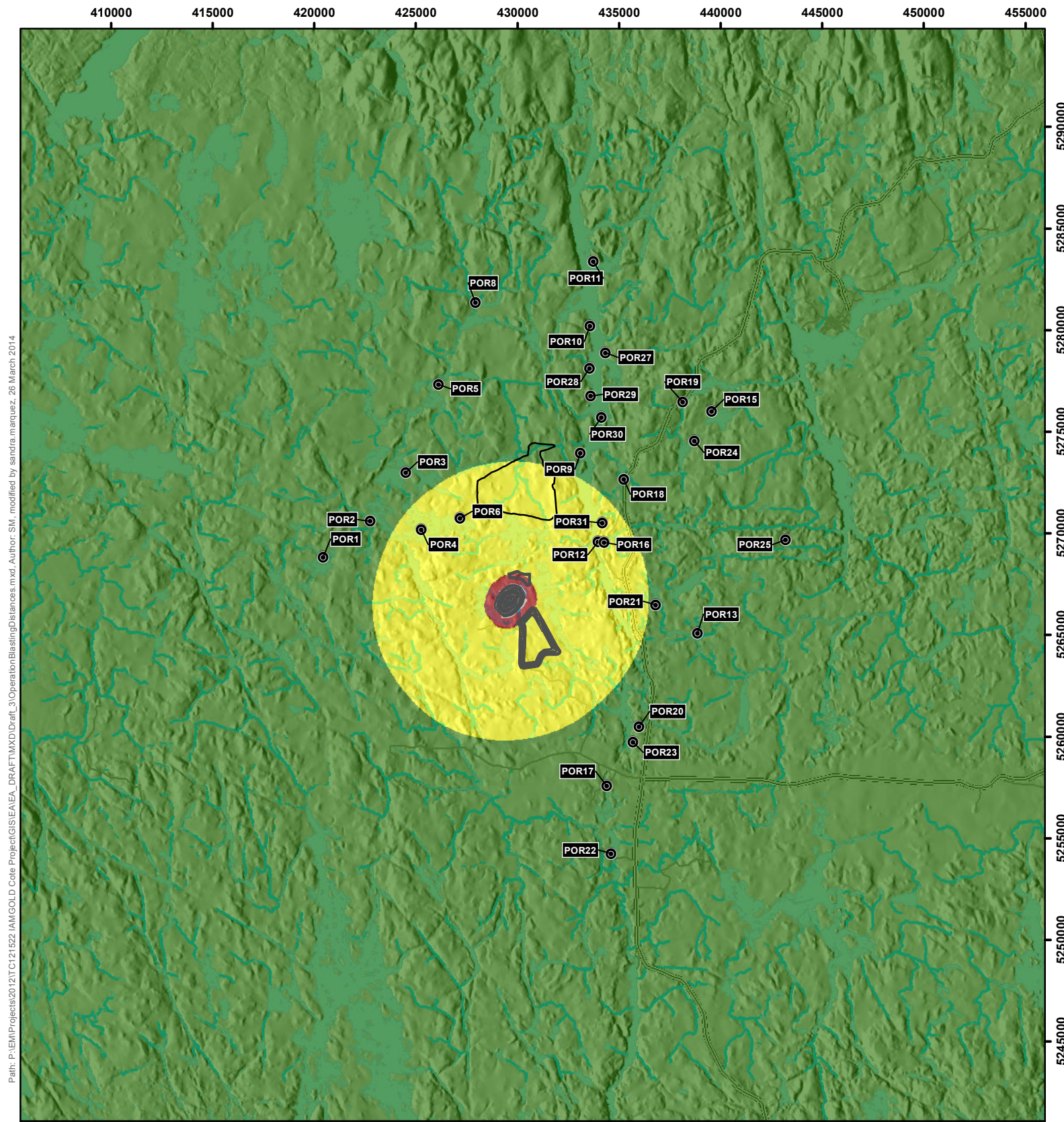
NOTES:
- All base data on this map was extracted from Land Information Ontario, MNDM, OBM Ontario Digital Geospatial database and Ontario Road Network Database.

CÔTÉ GOLD PROJECT

**Nighttime Operational Noise Contour
Year 7**

PROJECT N°: TC121522	FIGURE: 9-26
SCALE: 1:250,000	DATE: April 2014



Path: P:\EM\Projects\2012\TC121522_IAMGOLD Cote Project\GIS\EA\EA_DRAFT\MXD\Draft_3\Operation\BlastingDistances.mxd, Author: SM, modified by sandra.marquez, 26 March 2014

LEGEND

- Receptors
- Level III: >10 mm/s
- Level II: <10 mm/s ; >0.14 mm/s
- Level I: <0.14 mm/s
- Proposed Open Pit
- ▭ Proposed Mine features

NOTES:
 - All base data on this map was extracted from Land Information Ontario, MNDM, OBM Ontario Digital Geospatial database and Ontario Road Network Database.



CÔTÉ GOLD PROJECT

Blasting Ground Vibration Isopleths

Datum: NAD83
 Projection: UTM Zone 17N



PROJECT N^o: TC121522

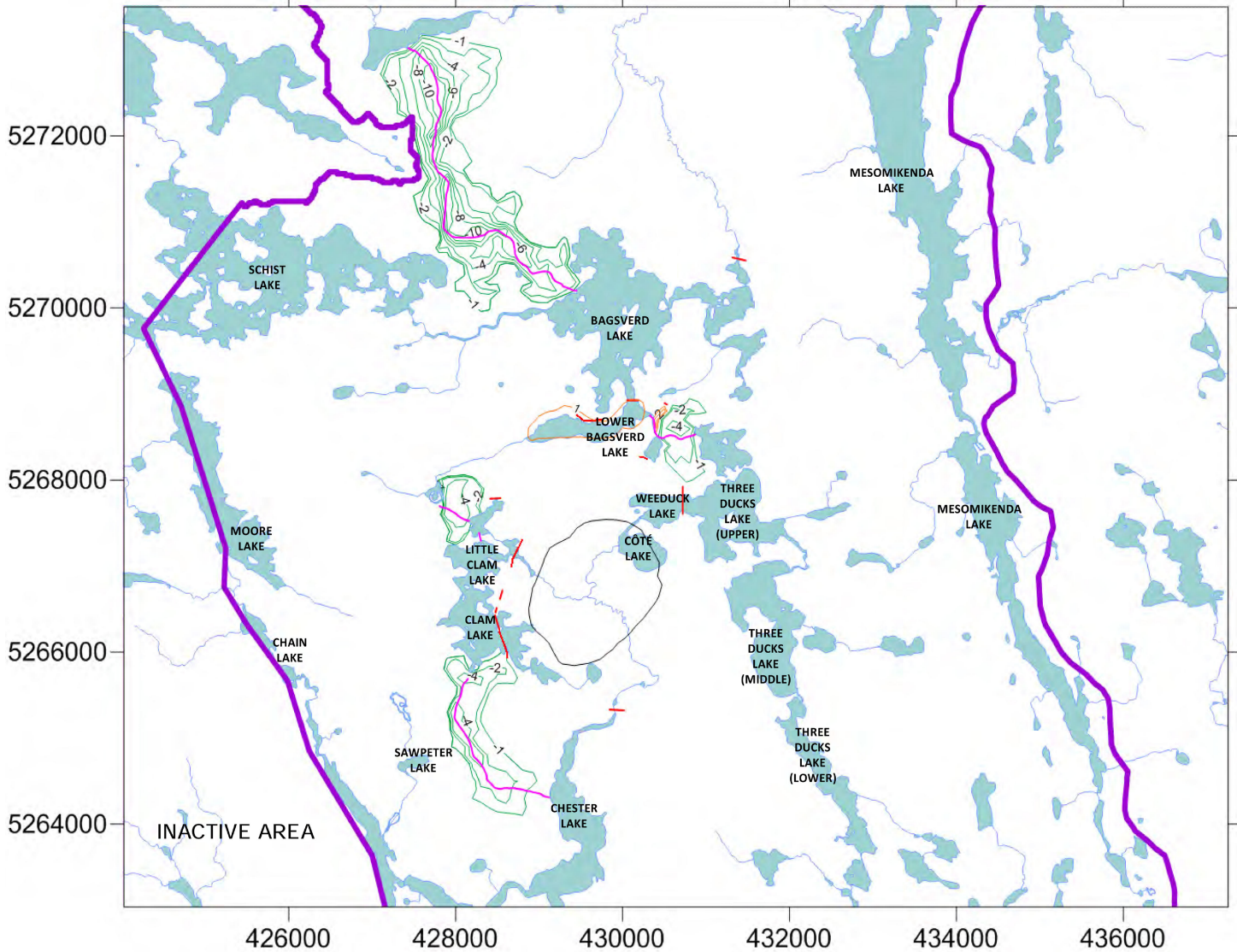
FIGURE: 9-27



SCALE: 1:250,000

DATE: April 2014

Path: P:\EM\Projects\2012\TC121522_IAMGOLD Cote Project\GIS\EA\EA_DRAFT\MXD\Draft_3\SimulatedGround\Existing_3.mxd. Author: ken brookes, modified by sandra.marquez, 05 January 2015



LEGEND

- Model Area Boundary
- Surface Water
- Open Pit
- Watercourse Realignment
- Realignment Dams
- Water Level Decrease
- Water Level Increase

NOTES:
 - Base Data - MNR NRVIS, CANMAP v2008.4
 - Produced by Golder Associates Ltd under License from Ontario Ministry of Natural Resources, ©Queens Printer 2012.



CÔTÉ GOLD PROJECT

Simulated Groundwater Level Change From Existing to Construction Phase (m)

Datum: NAD83
 Projection: UTM Zone 17N



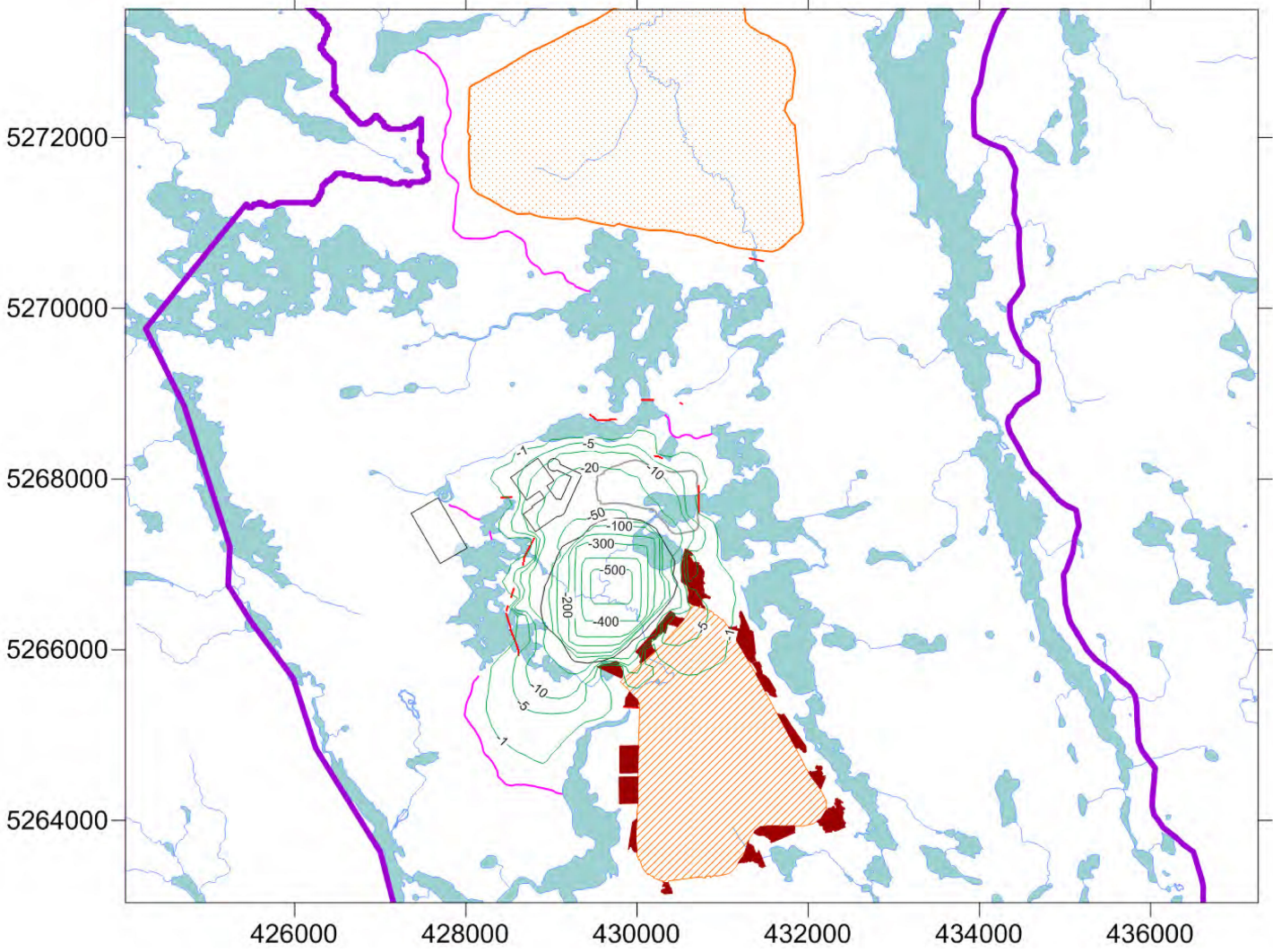
PROJECT N^o: TC121522

FIGURE: 9-28

SCALE: As Shown

DATE: December 2014

P:\EM\Projects\2012\TC121522 IAMGOLD Cote Project\GIS\EA\EA_DRAFT\MXD\Draft_3\SimulatedGroundwaterfromConstruction_2.mxd. Author: ken.brookes, modified by sandra.marquez, 05 January 2015



LEGEND

- Model Area Boundary
- Surface Water
- Open Pit
- Tailings Management Facility
- Mine Rock Area
- Collection Ponds
- Low-Grade Stockpile
- Camp Site Area
- Processing Plant Area
- Watercourse Realignment
- Realignment Dams
- Water Level Decrease

NOTES:
 - Base Data - MNR NRVIS, CANMAP v2008.4
 - Produced by Golder Associates Ltd under License from Ontario Ministry of Natural Resources, ©Queens Printer 2012.



CÔTÉ GOLD PROJECT

Simulated Groundwater Level Change From Construction to Operations Phase, Ultimate Pit (m)

Datum: NAD83
 Projection: UTM Zone 17N



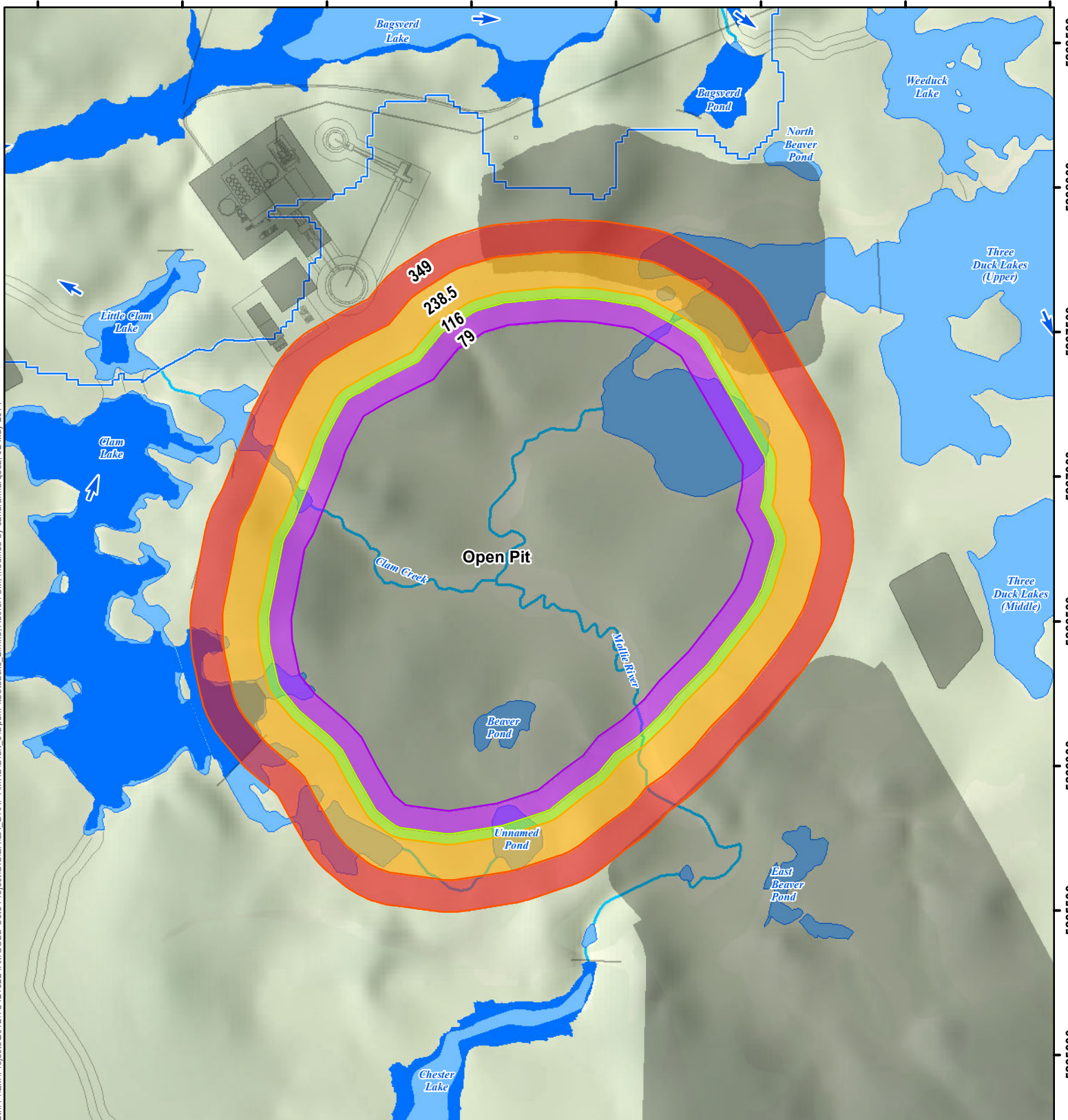
PROJECT N^o: TC121522

FIGURE: 9-29

SCALE: As Shown

DATE: December 2014

428000 428500 429000 429500 430000 430500 431000 431500



5268500
5268000
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5267000
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Path: P:\EM\Projects\2012\TC121522 IAMGOLD.Cote Project\GIS\EA\EA_DRAFT\TMXD\Draft_3\OpenPitSetbacks_2.mxd_Author: SM, modified by_sandra.marquez_02_May 2014

LEGEND

- Proposed Site Facilities
- Existing Waterbodies
- Proposed Lake Area
- Subwatershed Boundary
- Wooded Area

Open Pit Offset

- 79 metres
- 116 metres
- 238.5 metres
- 349 metres

NOTES:
- All base data on this map was extracted from Land Information Ontario, MNDM, OBM Ontario Digital Geospatial database and Ontario Road Network Database.

IAMGOLD CORPORATION **amec**

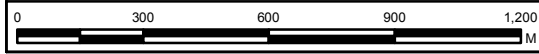
CÔTÉ GOLD PROJECT

Open Pit Setbacks for Aquatic Species

Datum: NAD83
Projection: UTM Zone 17N

PROJECT N°: TC121522
SCALE: 1:18,000

FIGURE: 9-30
DATE: April 2014



420000

425000

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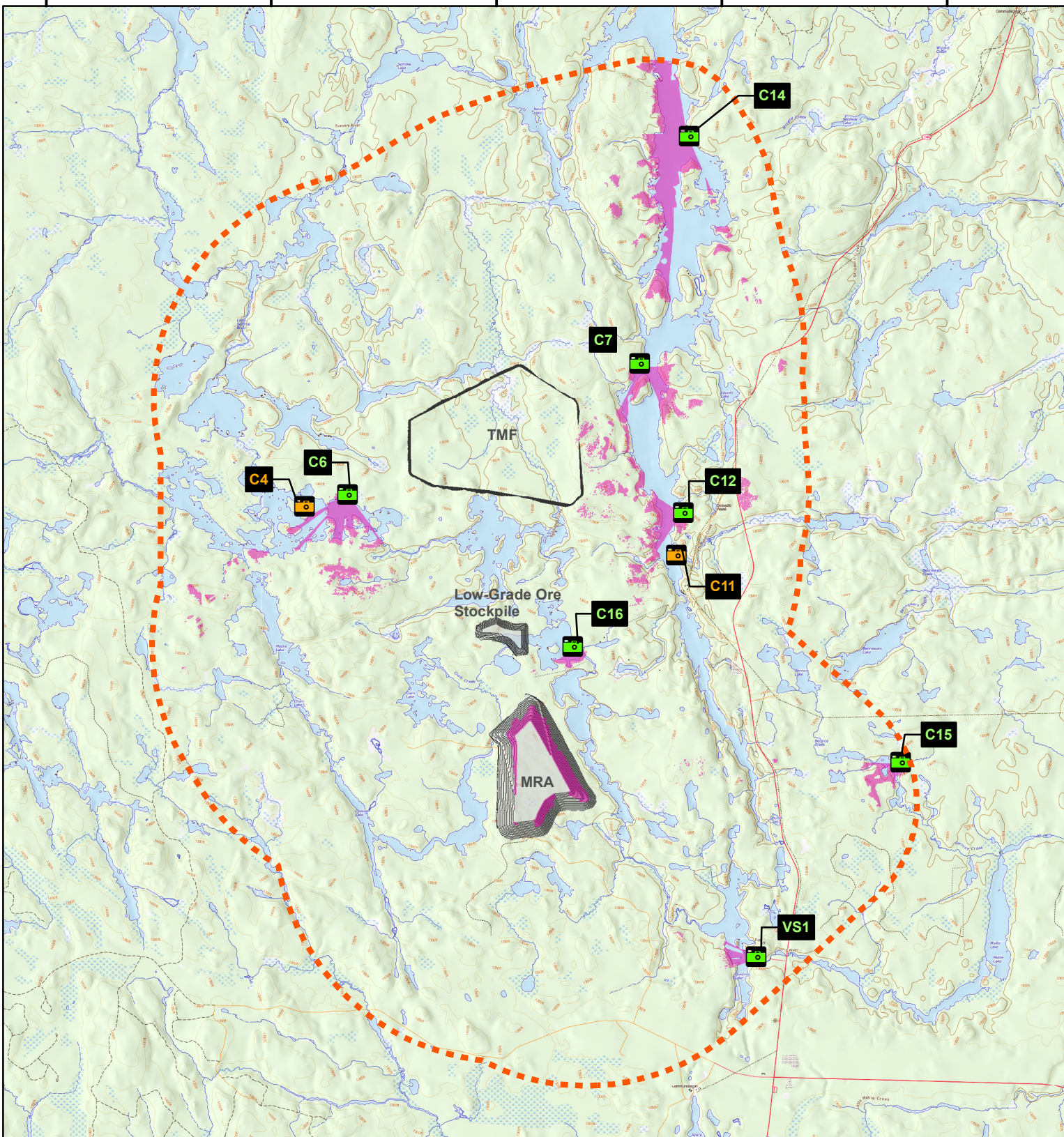
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Path: P:\EM\Projects\2012\TC121522\IAMGOLD\Gis\EA\EA_DRAFT\MXD\Draft_3\Fig9_3\Vis\Receptors.mxd, Author: SM, modified by sandra.marquez, 18 March 2014



LEGEND

-  Visual Aesthetics Local Study Area
-  Receptor Locations where Line-of-sight is Unobstructed (Labelled with ID)
-  Receptor Locations where Line-of-sight is Obstructed (Labelled with ID)
-  Combined Modeled Visible Areas from all 7 Receptor Locations

NOTES:
 - Ontario base data extracted from Land Information Ontario (MNR)



CÔTÉ GOLD PROJECT

Modeled Visible Areas from Visual Receptors

Datum: NAD83
 Projection: UTM Zone 17N



PROJECT N°: TC121522

FIGURE: 9-31

SCALE: 1:117,000

DATE: April 2014



420000

425000

430000

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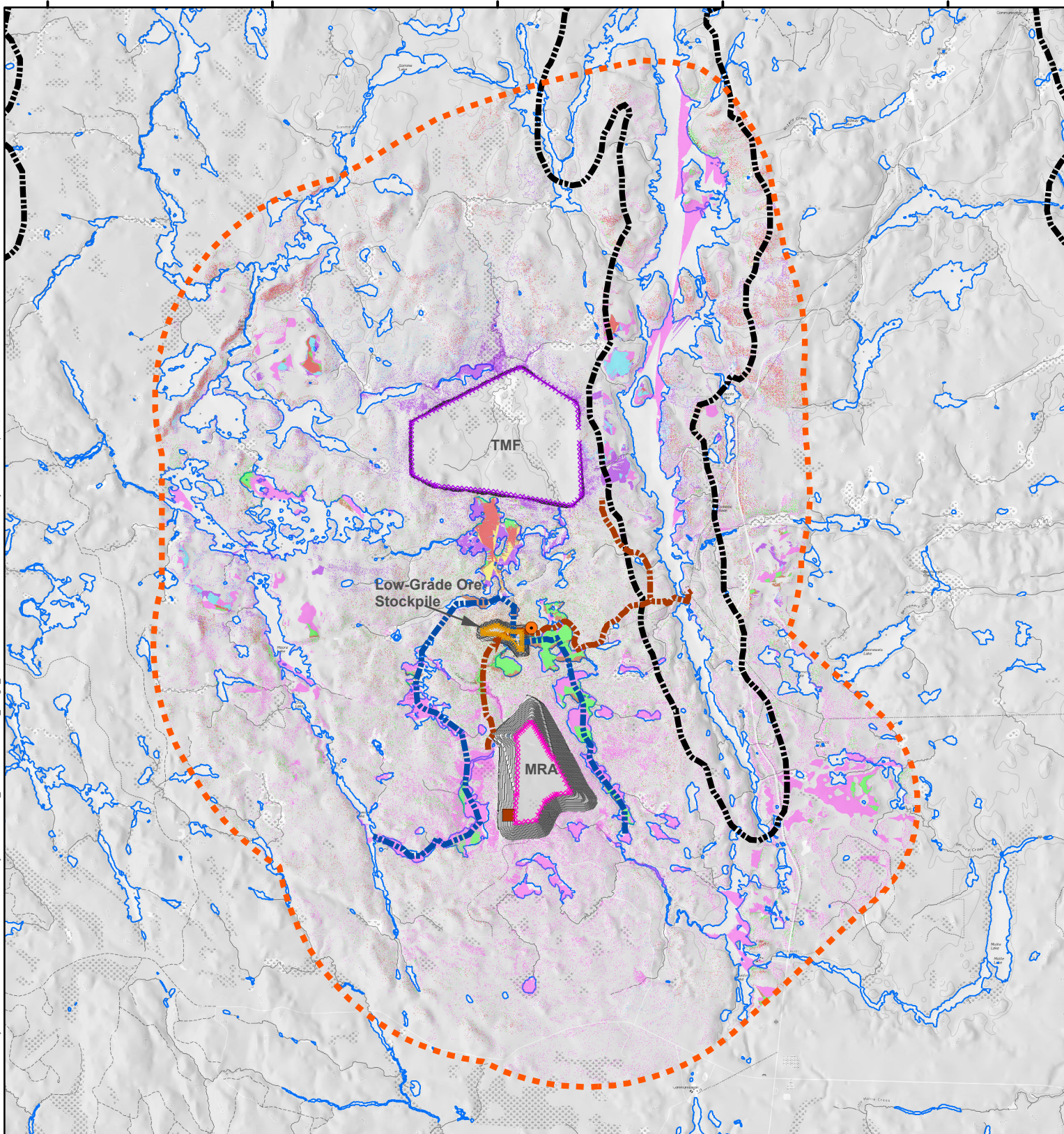
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Path: P:\EM\Projects\2012\TC121522_IAMGOLD Cote Project\GIS\EA\EA_DRAFT\MXD\Draft_3\Fig9_32\VisibleAreas.mxd, Author: SM, modified by sandra.marquez, 18 March 2014



LEGEND

- Visual Aesthetics Local Study Area
- Outward Looking Modelled Observer Points:**
 - Top of MRA
 - Top of TMF Dams
 - Top of Low-grade Ore Stockpile
- Locations Visible from:**
 - Top of TMF Dams, top of Low-grade Ore Stockpile and top of MRA
 - Top of Low-grade Ore Stockpile and top of MRA
 - Top of TMF Dams and top of MRA
 - Top of TMF Dams and top of Low-grade Ore Stockpile
 - Top of MRA
 - Top of TMF Dams
 - Top of Low-grade Ore Stockpile
- Waterbody Outline
- TK / TLU Identified Areas:**
 - Wildlife (Eagle Nest)
 - Waterfowl Hunting Area
 - Portage Route
 - Waterfowl Hunting Route
 - Sensitive Areas (1Km Buffer)
- Viewshed Analysis Interpretation Key:**
 - Speckled colour areas indicate forest canopy visual, not ground level visual
 - Solid colour areas indicate ground or water surface visual, not canopy visual

NOTES:
 - Ontario base data extracted from Land Information Ontario (MNR)
 - Portage route, Waterfowl Hunting route, Sensitive Areas, Wildlife and Hunting points provided and extracted by Wildlife Mattagami/Flying Post TK/TLU



CÔTÉ GOLD PROJECT

Modeled Project Component Visible Areas in the Local Study Area

Datum: NAD83
 Projection: UTM Zone 17N



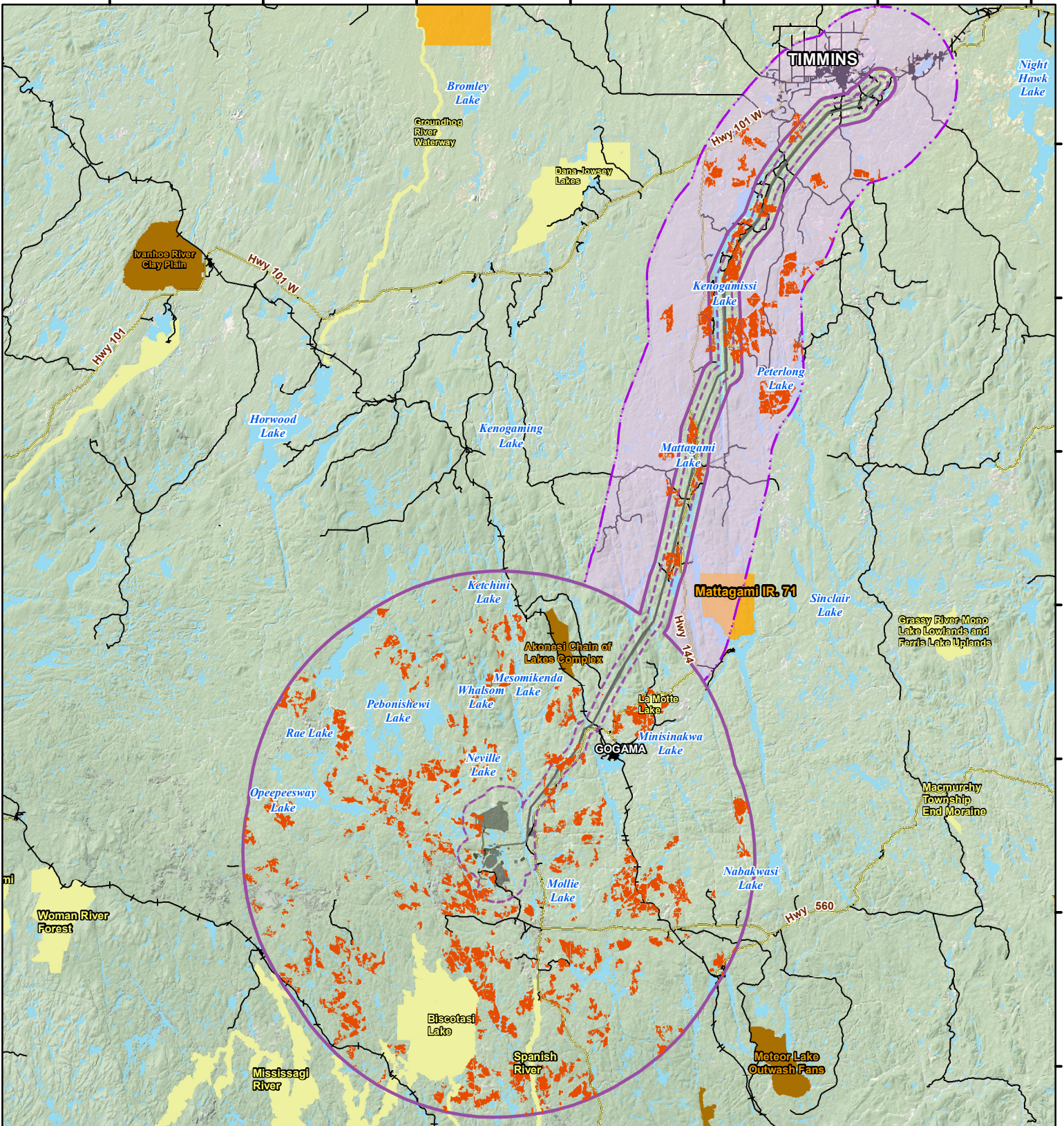
PROJECT N°: TC121522

FIGURE: 9-32

SCALE: 1:117,000

DATE: April 2014

380000 400000 420000 440000 460000 480000 500000



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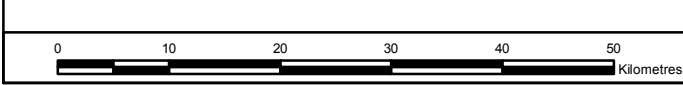
P:\EM\Projects\2012\TC121522_IAMGOLD Cote Project\GIS\Terrestrial\Forest_Harvest_Blocks\WDX_Maps\StudyAreas_and_Approximated_ForestHarvestBlocks_3.mxd

LEGEND

- Proposed Site Facilities
- Railway
- Highway/Expressway
- Local Road
- Wooded Area
- First Nation Reserve
- Conservation Reserve (Regulated)
- Provincial Park
- Forest Harvest Blocks within Study Areas (approx.)
- Biological Local Study Area
- Biological Regional Study Area
- Additional Area around Proposed TL (10km buffer)

NOTES:
 All base data on this map was extracted from Land Information Ontario, MNMD, OBM Ontario Digital Geospatial Database and Ontario Road Network Database.
 Harvest blocks approximated from:
 - Abitibi River Forest 2012-2022 Management Plan Index Map
 - Pineland Forest 2011-2021 Management Plan Map
 - Romeo Malette Forest 2009-2019 Management Plan Index Map
 - Spanish Forest 2010-2020 Management Plan Map
 - Timiskaming Forest 2011-2021 Management Plan Index Map

CÔTÉ GOLD PROJECT
Forest Harvest Blocks within the Biological Regional and Local Study Areas



Datum: NAD83
 Projection: UTM Zone 17N



PROJECT N^o: TC121522
 SCALE: 1:680,000

FIGURE: 14-1
 DATE: April 2014