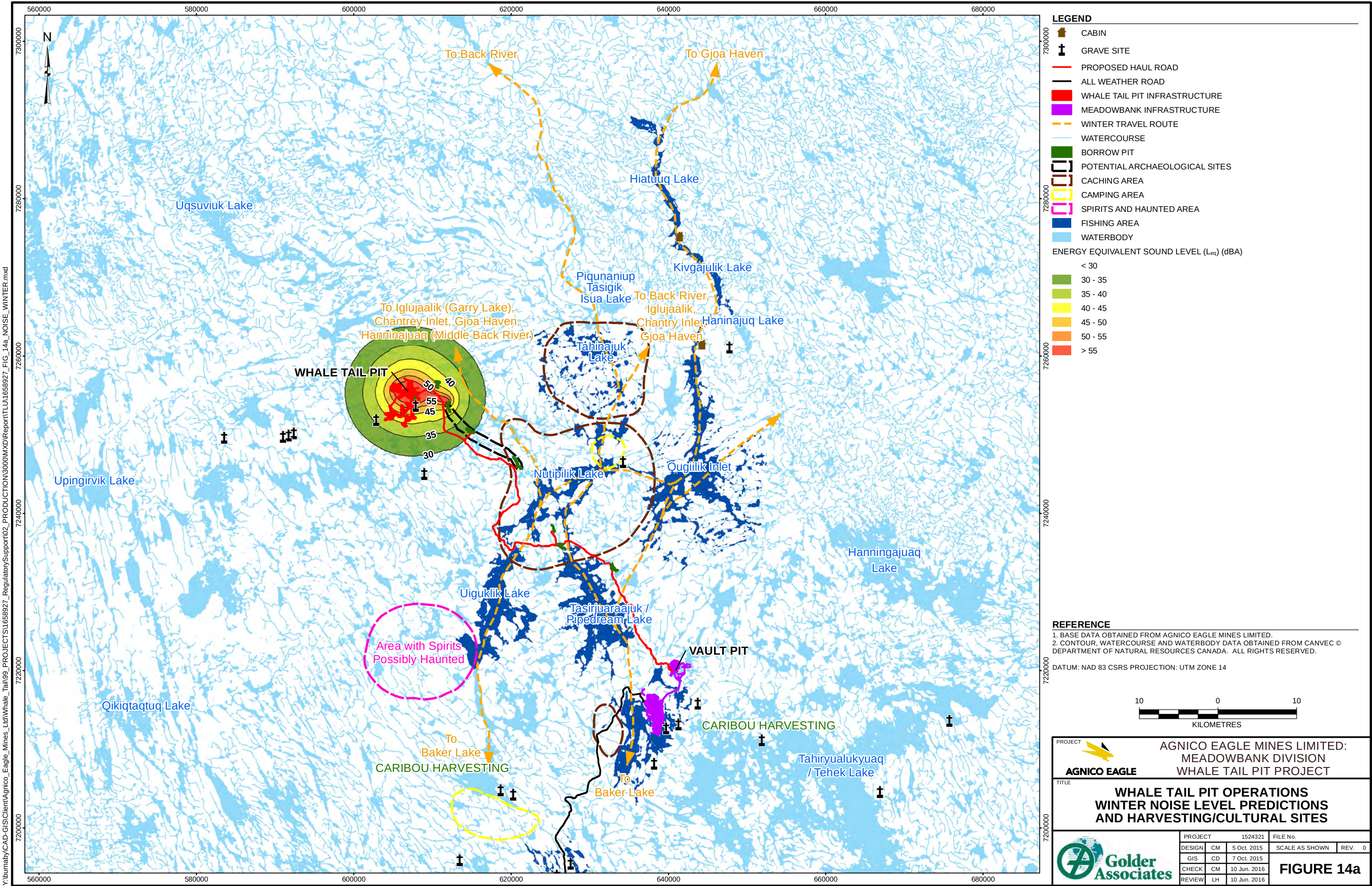
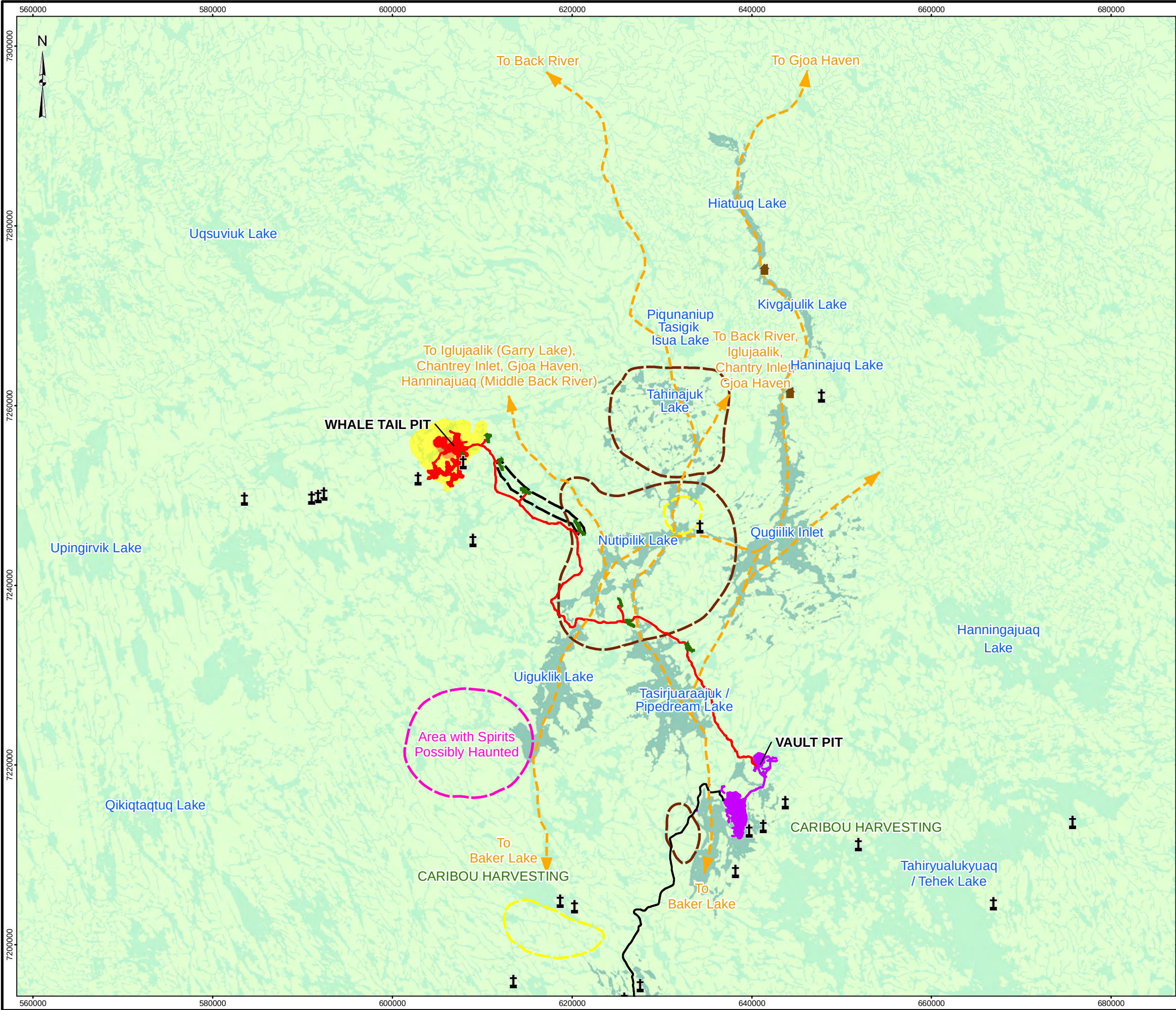


Y:\burnaby\CAD-GIS\Client\Agnico_Eagle_Mines_Ltd\Whale_Tail\99_PROJECTS\1558927_RegulatorySupport\02_PRODUCTION\3000MXD\Report\T\U\1558927_FIG_14a_NOISE_WINTER.mxd



Y:\burnaby\CAD-GIS\Client\Agnico_Eagle_Mines_Ltd\Whale_Tail\99_PROJECTS\1658927_RegulatorySupport\02_PRODUCTION\30000MXD\Report\TLU1658927_FIG_14b_AIR_1HR_NO2.mxd



LEGEND

- CABIN
- GRAVE SITE
- PROPOSED HAUL ROAD
- ALL WEATHER ROAD
- WHALE TAIL PIT INFRASTRUCTURE
- MEADOWBANK INFRASTRUCTURE
- WINTER TRAVEL ROUTE
- WATERCOURSE
- BORROW PIT
- POTENTIAL ARCHAEOLOGICAL SITES
- CACHING AREA
- CAMPING AREA
- SPIRITS AND HAUNTED AREA
- FISHING AREA
- WATERBODY

CONCENTRATION ($\mu\text{g}/\text{m}^3$)

- 0 - 133
- 133 - 266
- 266 - 400
- > 400

1-HR NO2

BACKGROUND = $12.6 \mu\text{g}/\text{m}^3$
NUNAVUT AAQS = $400 \mu\text{g}/\text{m}^3$

REFERENCE

1. BASE DATA OBTAINED FROM AGNICO EAGLE MINES LIMITED.
2. CONTOUR, WATERCOURSE AND WATERBODY DATA OBTAINED FROM CANVEC © DEPARTMENT OF NATURAL RESOURCES CANADA. ALL RIGHTS RESERVED.

DATUM: NAD 83 CSRS PROJECTION: UTM ZONE 14

100

0

100

KILOMETRES

PROJECT

AGNICO EAGLE MINES LIMITED:
MEADOWBANK DIVISION
WHALE TAIL PIT PROJECT

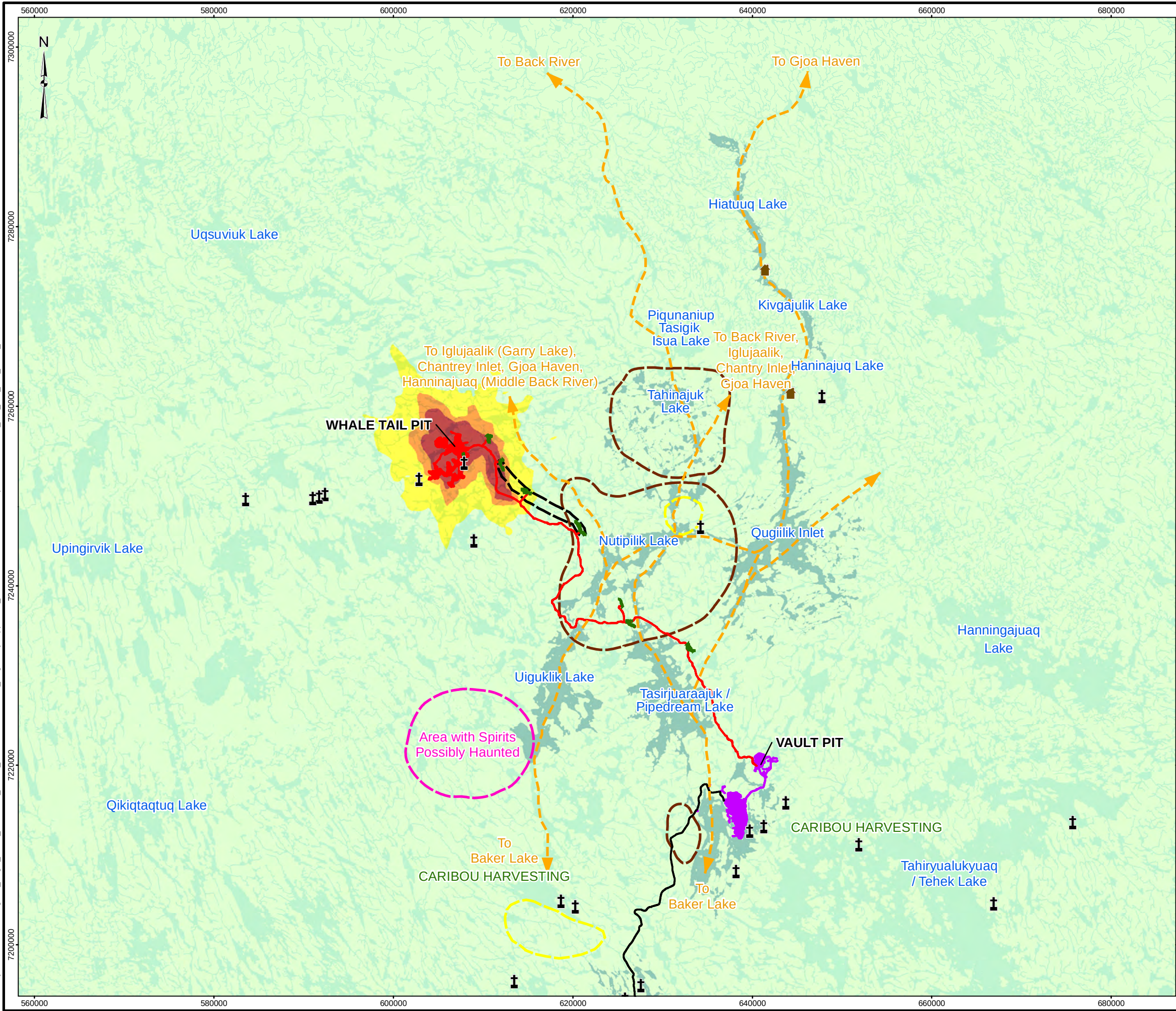
TITLE

MODEL PREDICTED 1-HOUR NO2
CONCENTRATIONS AND
HARVESTING/CULTURAL SITES

PROJECT	1524321		FILE No.		
DESIGN	CM	5 Oct. 2015	SCALE AS SHOWN	REV.	0
GIS	CD	7 Oct. 2015			
CHECK	CM	10 Jun. 2016			
REVIEW	LH	10 Jun. 2016			

FIGURE 14b

Y:\burnaby\CAD-GIS\Client\Agnico_Eagle_Mines_Ltd\Whale_Tail\99_PROJECTS\1658927_RegulatorySupport\02_PRODUCTION\30000MXD\Report\TLU1658927_FIG_14c_AIR_24HR_TSP.mxd



LEGEND

- CABIN
- GRAVE SITE
- PROPOSED HAUL ROAD
- ALL WEATHER ROAD
- WHALE TAIL PIT INFRASTRUCTURE
- MEADOWBANK INFRASTRUCTURE
- WINTER TRAVEL ROUTE
- WATERCOURSE
- BORROW PIT
- POTENTIAL ARCHAEOLOGICAL SITES
- CACHING AREA
- CAMPING AREA
- SPIRITS AND HAUNTED AREA
- FISHING AREA
- WATERBODY

CONCENTRATION ($\mu\text{g}/\text{m}^3$)

- 0 - 40
- 40 - 80
- 80 - 120
- > 120

24-HR TSP

BACKGROUND = $6.6 \mu\text{g}/\text{m}^3$
NUNAVUT AAQS = $120 \mu\text{g}/\text{m}^3$

REFERENCE

1. BASE DATA OBTAINED FROM AGNICO EAGLE MINES LIMITED.
2. CONTOUR, WATERCOURSE AND WATERBODY DATA OBTAINED FROM CANVEC © DEPARTMENT OF NATURAL RESOURCES CANADA. ALL RIGHTS RESERVED.

DATUM: NAD 83 CSRS PROJECTION: UTM ZONE 14

100

0

100

KILOMETRES

PROJECT

AGNICO EAGLE MINES LIMITED:
MEADOWBANK DIVISION
WHALE TAIL PIT PROJECT

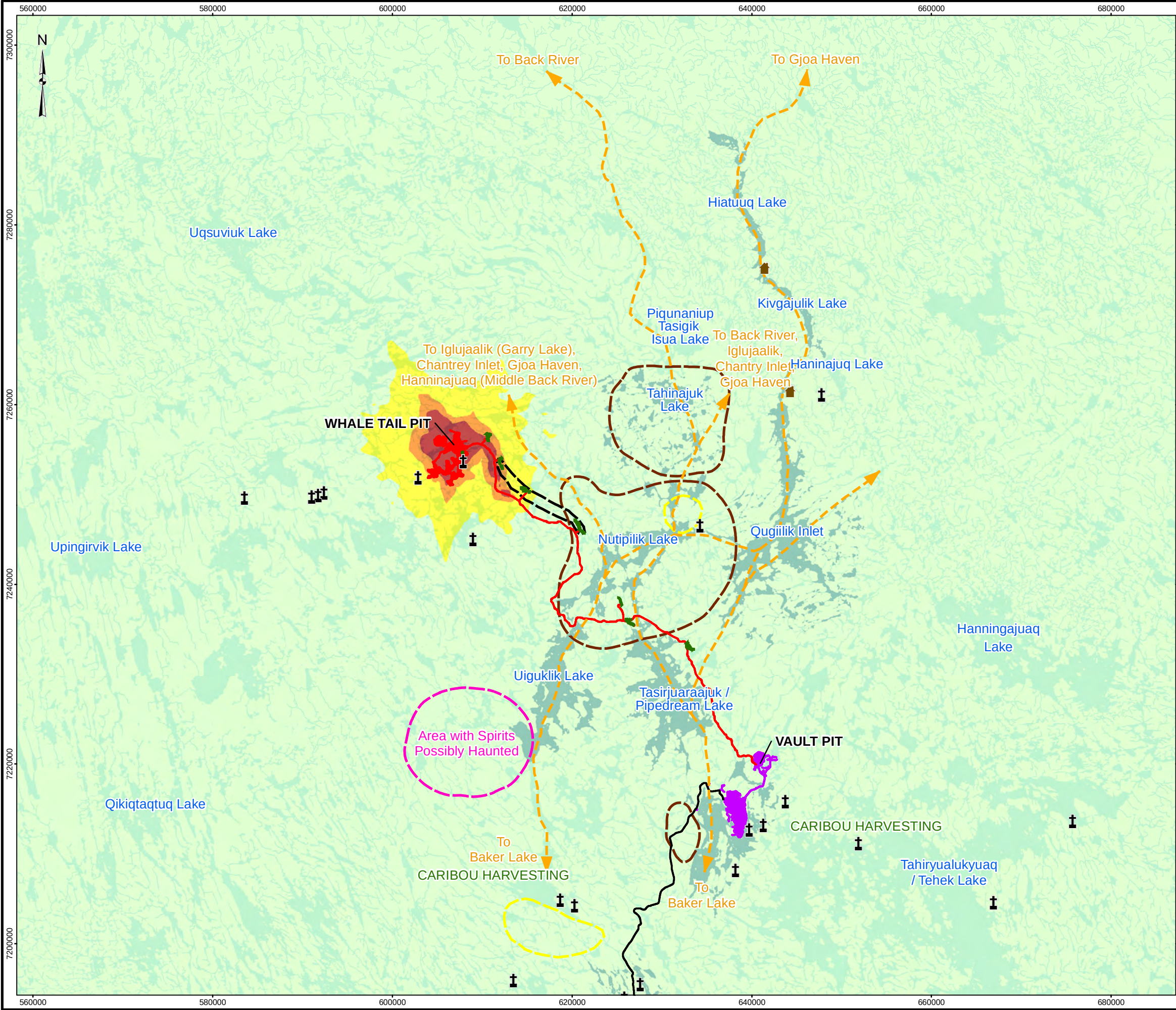
TITLE

MODEL PREDICTED 24-HOUR TSP
CONCENTRATIONS AND
HARVESTING/CULTURAL SITES

PROJECT	1524321		FILE No.		
DESIGN	CM	5 Oct. 2015	SCALE AS SHOWN	REV.	0
GIS	CD	7 Oct. 2015			
CHECK	CM	10 Jun. 2016			
REVIEW	LH	10 Jun. 2016			

FIGURE 14c

Y:\burnaby\CAD-GIS\Client\Agnico_Eagle_Mines_Ltd\Whale_Tail\99_PROJECTS\1658927_RegulatorySupport\02_PRODUCTION\30000MXD\Report\TLU1658927_FIG_14d_AIR_24HR_PM10.mxd



LEGEND

- CABIN
- GRAVE SITE
- PROPOSED HAUL ROAD
- ALL WEATHER ROAD
- WHALE TAIL PIT INFRASTRUCTURE
- MEADOWBANK INFRASTRUCTURE
- WINTER TRAVEL ROUTE
- WATERCOURSE
- BORROW PIT
- POTENTIAL ARCHAEOLOGICAL SITES
- CACHING AREA
- CAMPING AREA
- SPIRITS AND HAUNTED AREA
- FISHING AREA
- WATERBODY

CONCENTRATION ($\mu\text{g}/\text{m}^3$)

- 0 - 16.7
- 16.7 - 33.3
- 33.3 - 50
- > 50

24-HR PM10
BACKGROUND = $6.6 \mu\text{g}/\text{m}^3$
NUNAVUT AAQS = $50 \mu\text{g}/\text{m}^3$

REFERENCE

1. BASE DATA OBTAINED FROM AGNICO EAGLE MINES LIMITED.
2. CONTOUR, WATERCOURSE AND WATERBODY DATA OBTAINED FROM CANVEC © DEPARTMENT OF NATURAL RESOURCES CANADA. ALL RIGHTS RESERVED.

DATUM: NAD 83 CSRS PROJECTION: UTM ZONE 14

100

0

100

KILOMETRES

PROJECT

AGNICO EAGLE MINES LIMITED:
MEADOWBANK DIVISION
WHALE TAIL PIT PROJECT

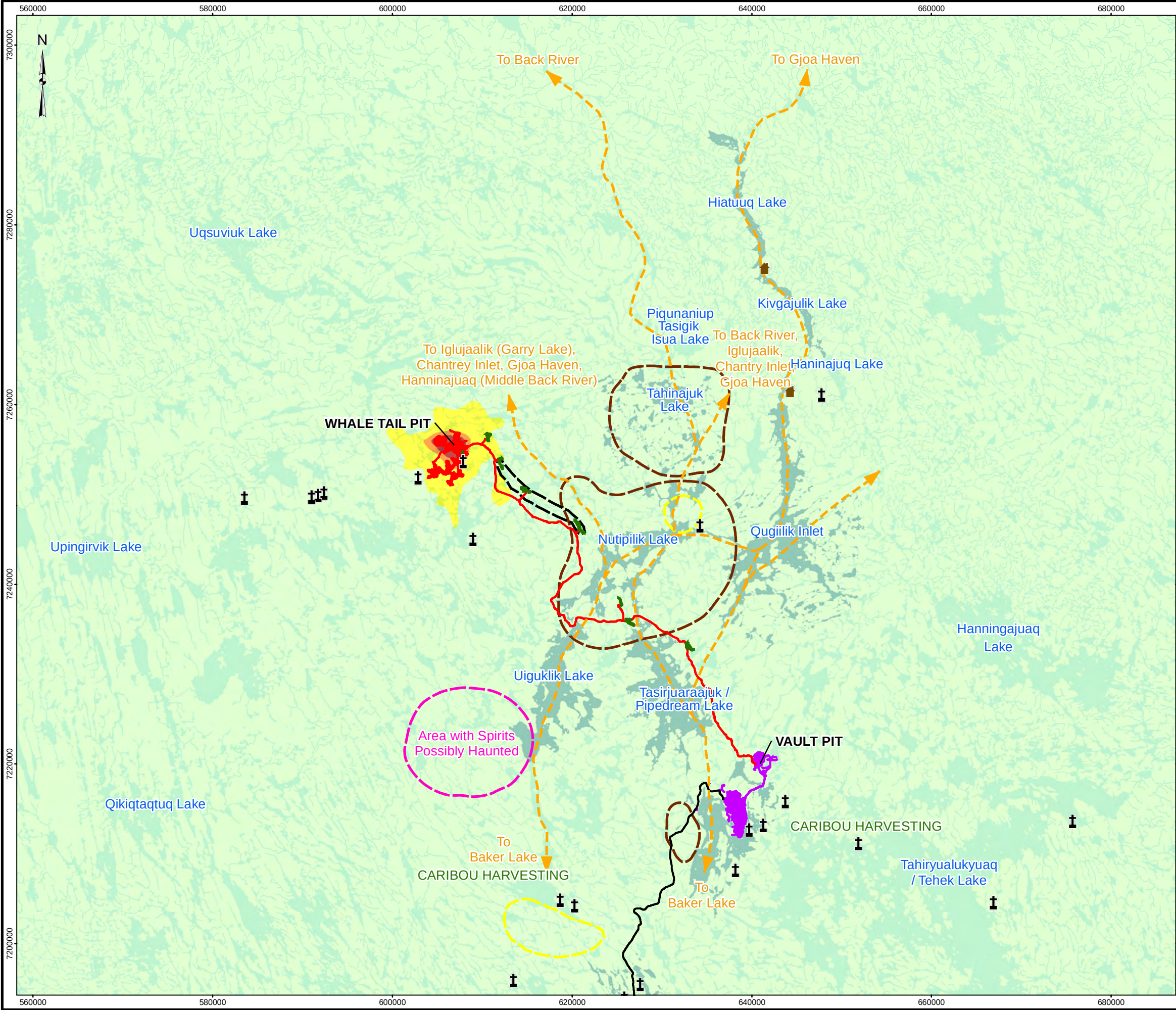
TITLE

MODEL PREDICTED 24-HOUR PM10
CONCENTRATIONS AND
HARVESTING/CULTURAL SITES

PROJECT	1524321		FILE No.		
DESIGN	CM	5 Oct. 2015	SCALE AS SHOWN	REV.	0
GIS	CD	7 Oct. 2015			
CHECK	CM	10 Jun. 2016			
REVIEW	LH	10 Jun. 2016			

FIGURE 14d

Y:\burnaby\CAD-GIS\Client\Agnico_Eagle_Mines_Ltd\Whale_Tail\99_PROJECTS\1658927_RegulatorySupport\02_PRODUCTION\30000MXD\Report\TLU1658927_FIG_14e_AIR_24HR_PM25.mxd



LEGEND

- CABIN
- GRAVE SITE
- PROPOSED HAUL ROAD
- ALL WEATHER ROAD
- WHALE TAIL PIT INFRASTRUCTURE
- MEADOWBANK INFRASTRUCTURE
- WINTER TRAVEL ROUTE
- WATERCOURSE
- BORROW PIT
- POTENTIAL ARCHAEOLOGICAL SITES
- CACHING AREA
- CAMPING AREA
- SPIRITS AND HAUNTED AREA
- FISHING AREA
- WATERBODY

CONCENTRATION ($\mu\text{g}/\text{m}^3$)

- 0 - 9.3
- 9.3 - 18.6
- 18.6 - 28
- > 28

24-HR PM2.5

BACKGROUND = $6.6 \mu\text{g}/\text{m}^3$
NUNAVUT AAQS = $28 \mu\text{g}/\text{m}^3$

REFERENCE

1. BASE DATA OBTAINED FROM AGNICO EAGLE MINES LIMITED.
2. CONTOUR, WATERCOURSE AND WATERBODY DATA OBTAINED FROM CANVEC © DEPARTMENT OF NATURAL RESOURCES CANADA. ALL RIGHTS RESERVED.

DATUM: NAD 83 CSRS PROJECTION: UTM ZONE 14

100

0

100

KILOMETRES

PROJECT

AGNICO EAGLE MINES LIMITED:
MEADOWBANK DIVISION
WHALE TAIL PIT PROJECT

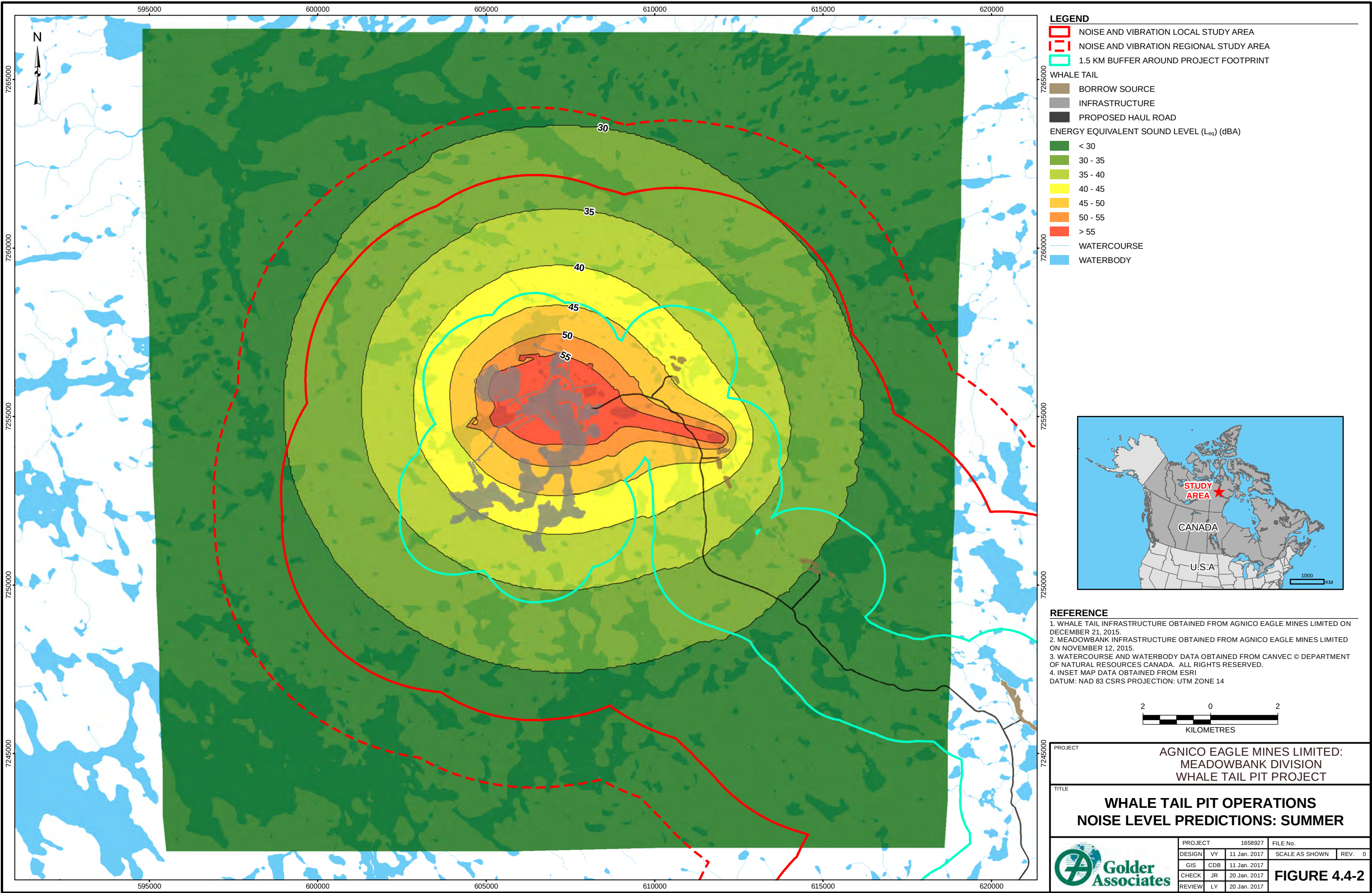
TITLE

MODEL PREDICTED 24-HOUR PM2.5
CONCENTRATIONS AND
HARVESTING/CULTURAL SITES

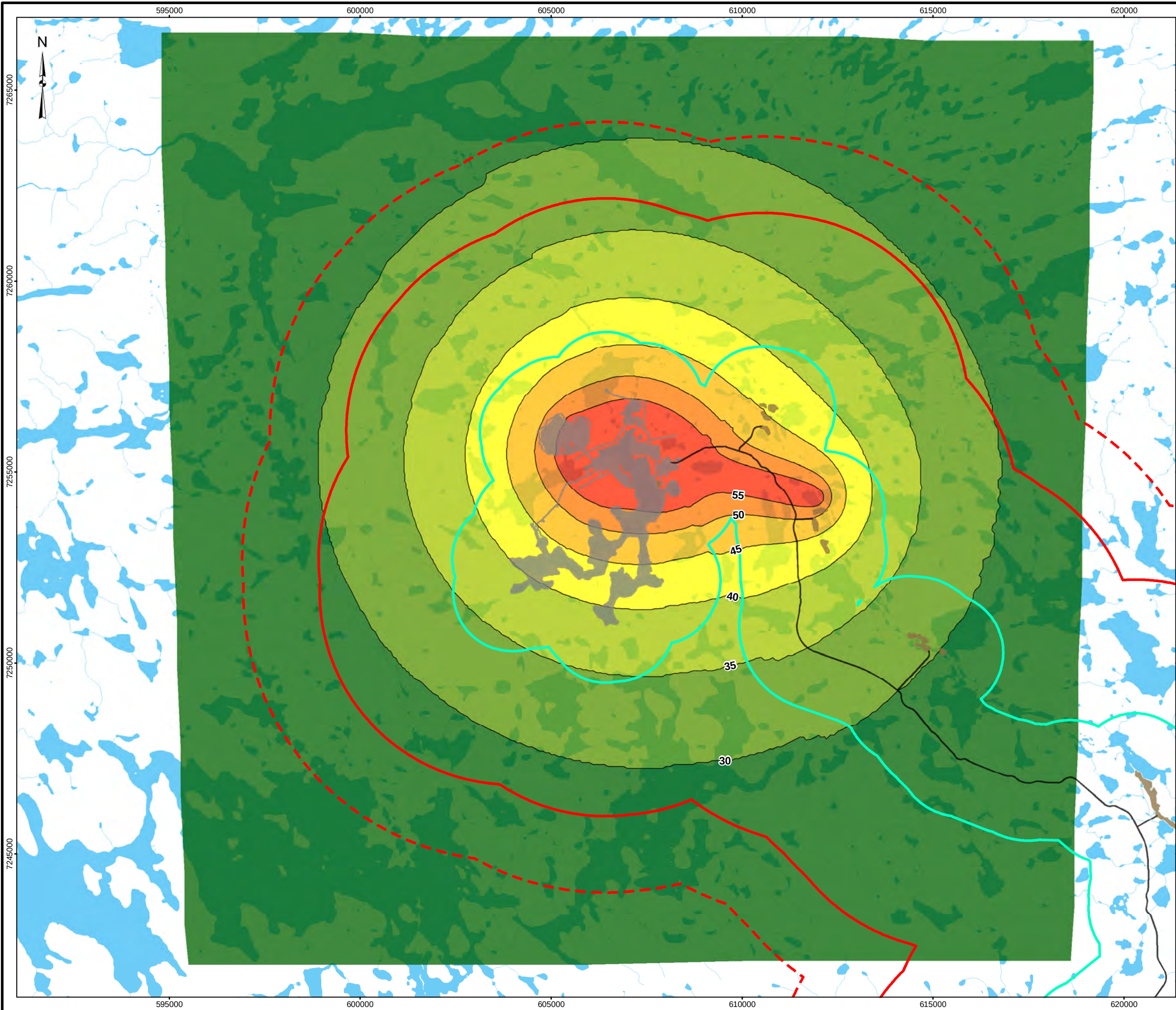
PROJECT	1524321		FILE No.		
DESIGN	CM	5 Oct. 2015	SCALE AS SHOWN	REV.	0
GIS	CD	7 Oct. 2015			
CHECK	CM	10 Jun. 2016			
REVIEW	LH	10 Jun. 2016			

FIGURE 14e

Y:\burnaby\CAD-GIS\Client\Agnico_Eagle_Mines_Ltd\Whale_Tail\99_PROJECTS\1658927_RegulatorySupport\02_PRODUCTION\30000MXD\Report\Noise\1658927_FIG_4.4-2_PIT_OPERATIONS_NOISE_SUMMER.mxd



Y:\burnaby\CAD-GIS\Client\Agnico_Eagle_Mines_Ltd\Whale_Tail\99_PROJECTS\1658927_RegulatorySupport\02_PRODUCTION\3000MXD\Report\Noise\1658927_FIG_4.4-3_PIT_OPERATIONS_NOISE_WINTER.mxd



LEGEND

- NOISE AND VIBRATION LOCAL STUDY AREA
- NOISE AND VIBRATION REGIONAL STUDY AREA
- 1.5 KM BUFFER AROUND PROJECT FOOTPRINT

WHALE TAIL

- BORROW SOURCE
- INFRASTRUCTURE
- PROPOSED HAUL ROAD

ENERGY EQUIVALENT SOUND LEVEL (L_{eq}) (dBA)

- < 30
- 30 - 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- > 55

WATERCOURSE

WATERBODY



- REFERENCE**
1. WHALE TAIL INFRASTRUCTURE OBTAINED FROM AGNICO EAGLE MINES LIMITED ON DECEMBER 21, 2015.
 2. MEADOWBANK INFRASTRUCTURE OBTAINED FROM AGNICO EAGLE MINES LIMITED ON NOVEMBER 12, 2015.
 3. WATERCOURSE AND WATERBODY DATA OBTAINED FROM CANVEC © DEPARTMENT OF NATURAL RESOURCES CANADA. ALL RIGHTS RESERVED.
 4. INSET MAP DATA OBTAINED FROM ESRI
- DATUM: NAD 83 CSRS PROJECTION: UTM ZONE 14



PROJECT	AGNICO EAGLE MINES LIMITED: MEADOWBANK DIVISION WHALE TAIL PIT PROJECT			
TITLE	WHALE TAIL PIT OPERATIONS NOISE LEVEL PREDICTIONS: WINTER			
	PROJECT	1658927	FILE No.	
	DESIGN	VY	11 Jan. 2017	SCALE AS SHOWN
	GIS	CDB	11 Jan. 2017	REV. 0
	CHECK	JR	20 Jan. 2017	
	REVIEW	LY	20 Jan. 2017	
FIGURE 4.4-3				