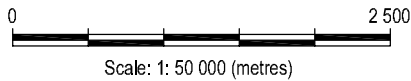


LEGEND

- SUB-WATERSHED
- STREAM NAME



NOTES

1. REFERENCE LAKE 1 WAS NAMED AS 'CIGAR LAKE' IN 2005 AEMP AND SUBSEQUENT AEMP REPORTS. (MAINSTREAM, 2005-2008) . IT WAS IN CONFLICT WITH THE CIGAR LAKE IN AQUATIC BASELINE STUDIES (RL&L, 1995-1999)
2. CURRENT NAMING SYSTEM FOR THE LAKES AND STREAMS IS BASED ON THE AQUATIC BASELINE STUDIES (RL&L, 1995-1999)
3. DRAWING BASED ON N.T.'S MAPS 76E13, 76E14, 76L03, 76L04

ISSUED FOR USE

CLIENT



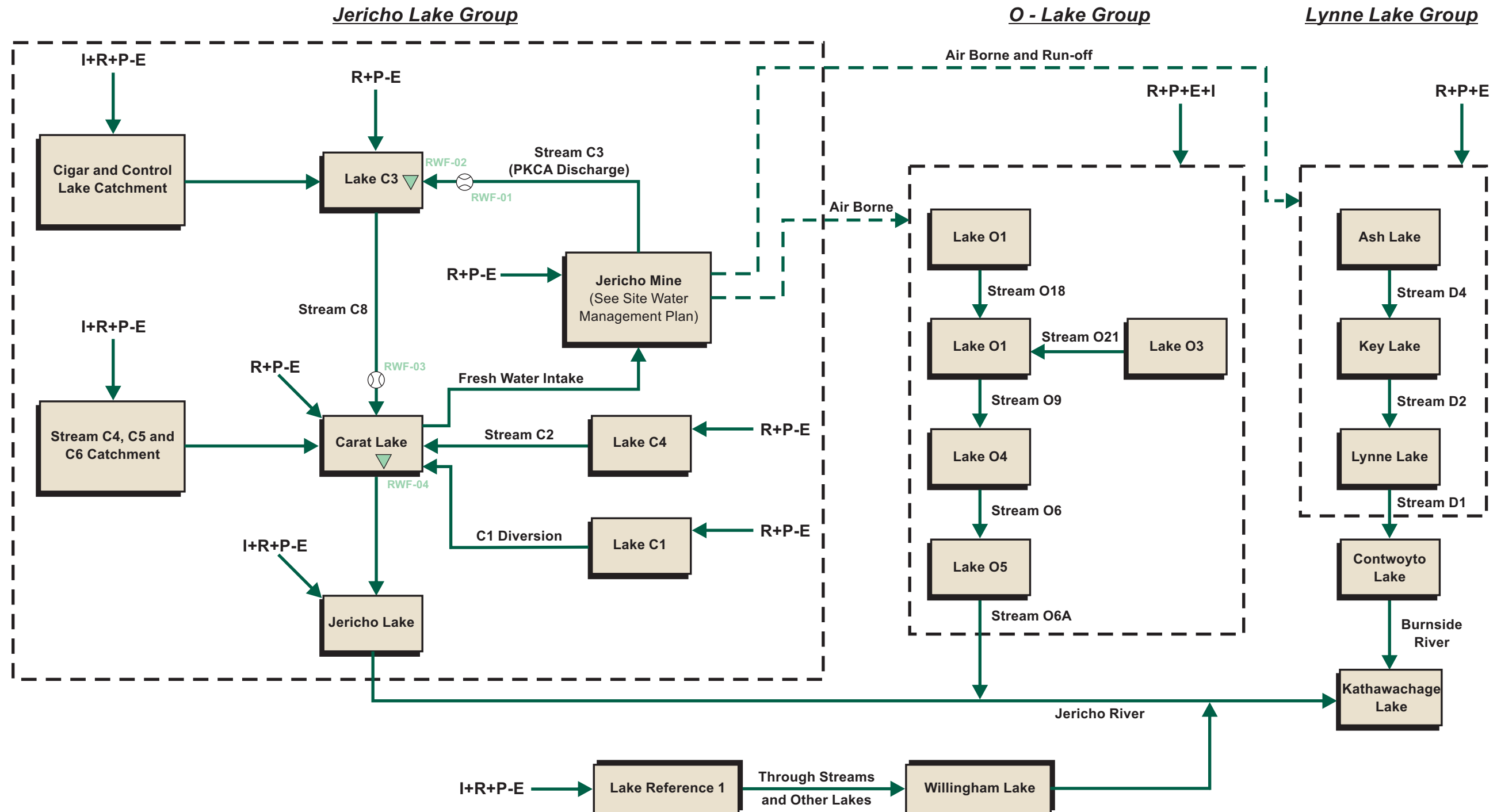
AQUATIC EFFECTS MONITORING PLAN
JERICO DIAMOND MINE, NUNAVUT

GENERAL SITE PLAN

PROJECT NO. E14101118	DWN MM	CKD WL	REV 0
OFFICE EBA-EDM	DATE January 31, 2011		

Figure 1

E14101118_Figure 5_PKCA Management Plan.cdr



LEGEND

- Sub-Watershed in Area of Impact
- Flow
- Potential Contaminant Pathway
- P - Precipitation
- R - Surface Runoff

- E - Evaporation/Transpiration
- I - Inflow
- O - Outflow
- Gw - Groundwater Inflow
- Sp - Seepage
- ⊗ - Stream Flow Monitoring Location
- ▽ - Water Level Monitoring Location

STATUS
ISSUED FOR USE

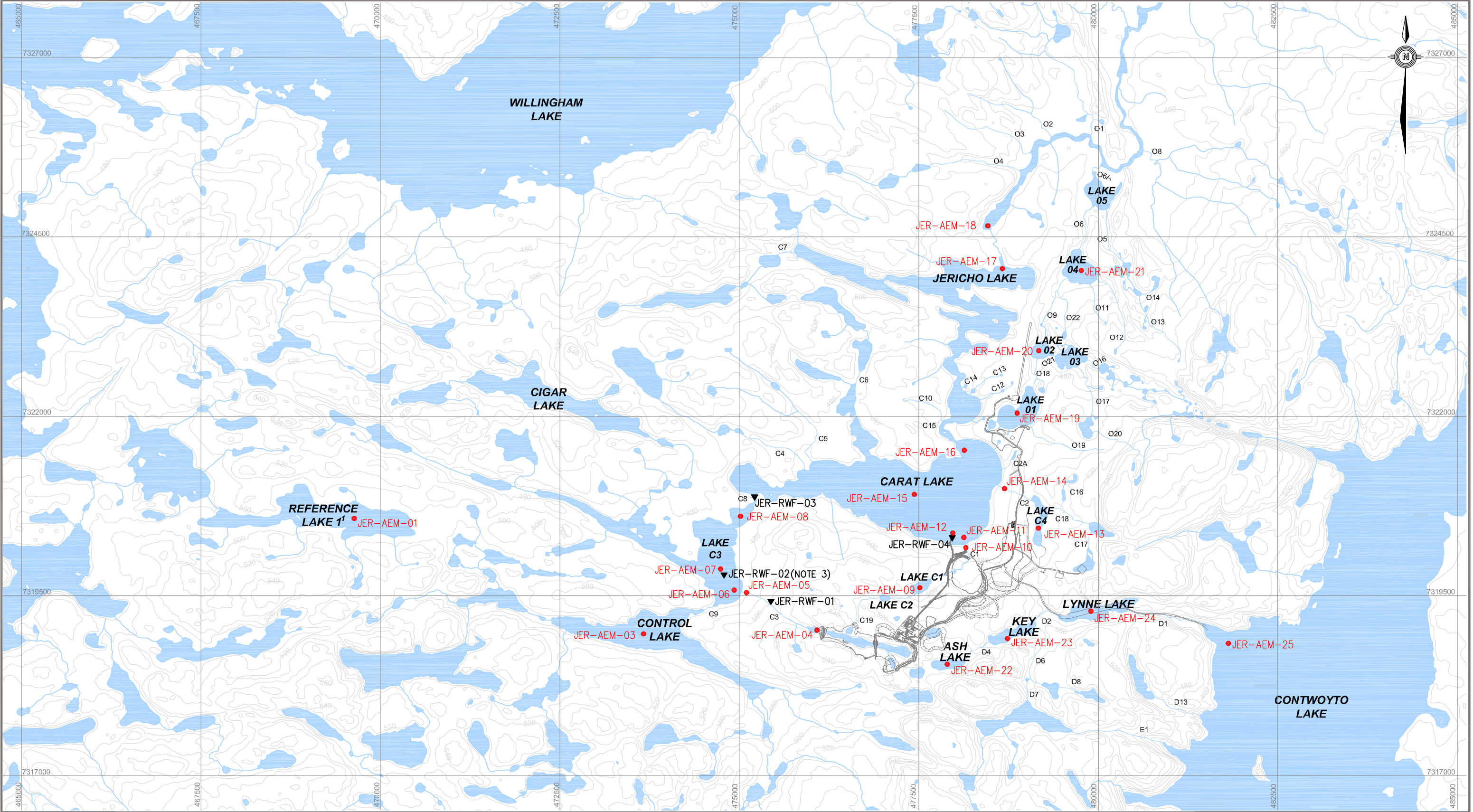
CLIENT



AQUATIC EFFECTS MONITORING PLAN JERICO DIAMOND MINE, NUNAVUT

RECEIVING WATERBODIES FLOWSHEET

PROJECT NO. E14101118	DWN DBD	CKD WL	APVD WL	REV 0	Figure 2
OFFICE EBA-EDM	DATE January 31, 2011				



LEGEND

- - AEMP WATER QUALITY MONITORING STATION
- ▼ - RECEIVING WATER FLOW MONITORING STATION

NOTES

1. REFERENCE LAKE 2 WILL BE IDENTIFIED IN 2011. JER-AEM-02 WILL BE LOCATED AT REFERENCE LAKE 2.
2. DRAWING BASED ON NTS MAPS 76E13, 76E14, 76L03, 76L04
3. CONCEPTUAL LOCATION, EXACT LOCATION TO BE DETERMINED DURING CARE AND MAINTENANCE IN 2011.

CLIENT

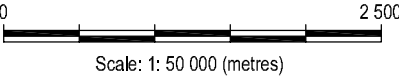


AQUATIC EFFECTS MONITORING PLAN
JERICHO DIAMOND MINE, NUNAVUT

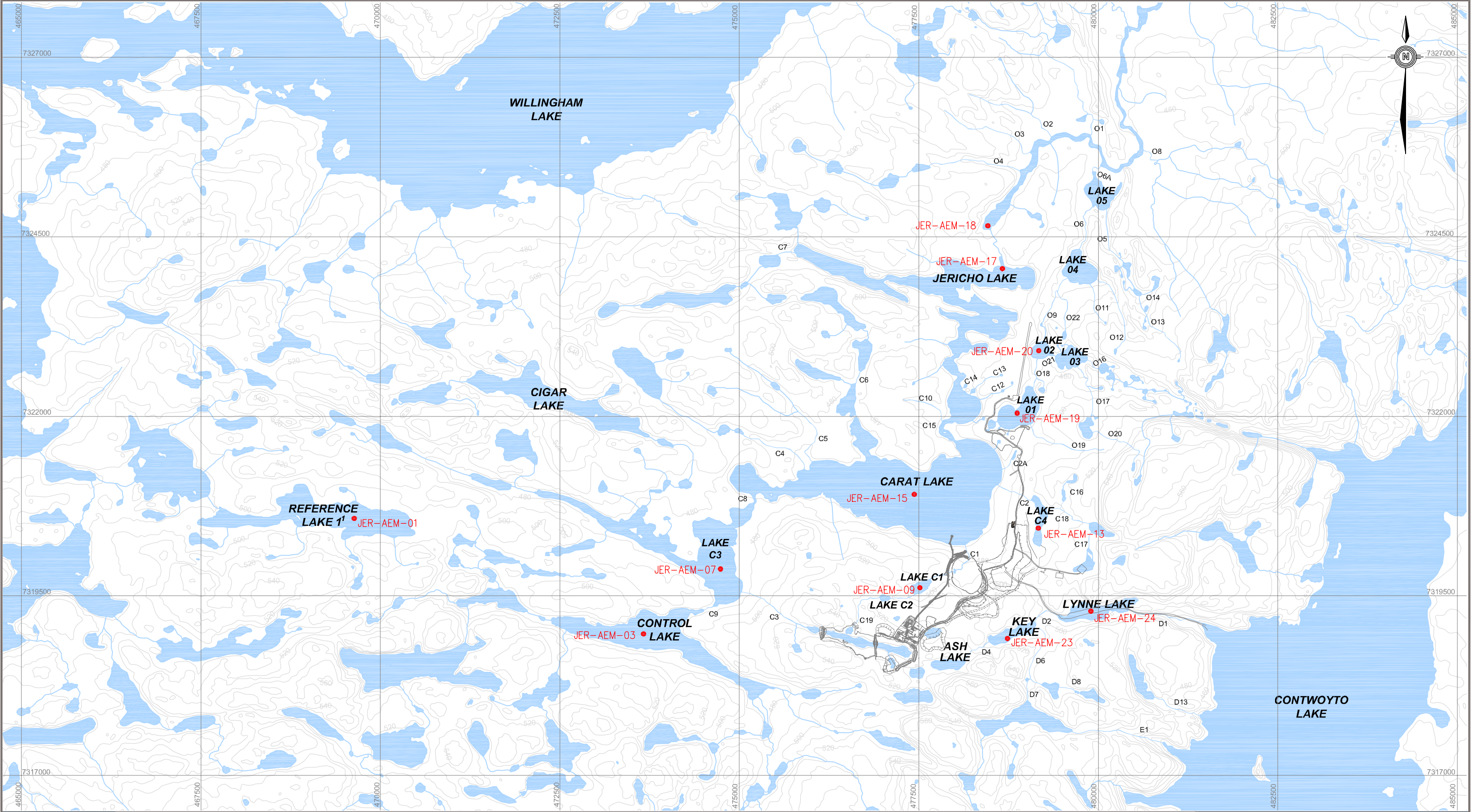
WATER QUALITY AND QUANTITY MONITORING
LOCATION PLAN

PROJECT NO. E14101118	DWN MM	CKD WL	REV 0
OFFICE EBA-EDM	DATE January 31, 2011		

Figure 3



ISSUED FOR USE



LEGEND

•

 - AEMP SEDIMENT QUALITY MONITORING STATION

0

2 500

Scale: 1: 50 000 (metres)

NOTES

1. REFERENCE LAKE 2 WILL BE IDENTIFIED IN 2011. JER-AEM-02 WILL BE LOCATED AT REFERENCE LAKE 2.

2. DRAWING BASED ON NTS MAPS 76E13, 76E14, 76L03, 76L04

CLIENT

SHEAR
DIAMONDS LTD.

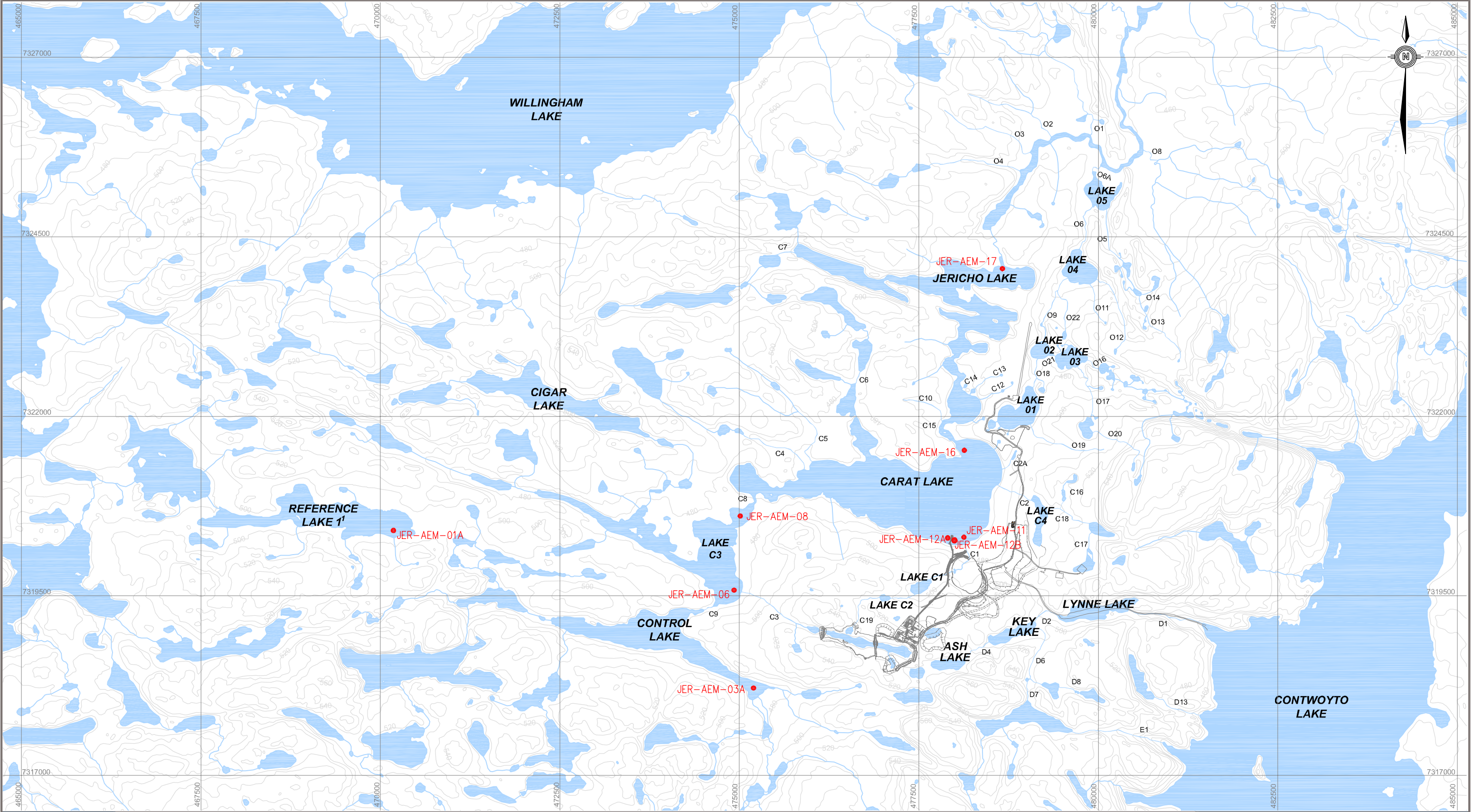
eba

A TETRA TECH COMPANY

AQUATIC EFFECTS MONITORING PLAN
JERICO DIAMOND MINE, NUNAVUT

SEDIMENT QUALITY MONITORING
LOCATION PLAN

PROJECT NO. E14101118	DWN MM	CKD WL	REV 0	Figure 4
OFFICE EBA-EDM	DATE January 31, 2011			



LEGEND

• - AEMP SEDIMENT DEPOSITION MONITORING STATION

NOTES

1. REFERENCE LAKE 2 WILL BE IDENTIFIED IN 2011. JER-AEM-02 WILL BE LOCATED AT REFERENCE LAKE 2.
2. DRAWING BASED ON NTS MAPS 76E13, 76E14, 76L03, 76L04

CLIENT



AQUATIC EFFECTS MONITORING PLAN
JERICO DIAMOND MINE, NUNAVUT

SEDIMENT DEPOSITION MONITORING
LOCATION PLAN

PROJECT NO.
E14101118

DWN
MM

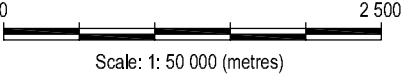
CKD
WL

REV
0

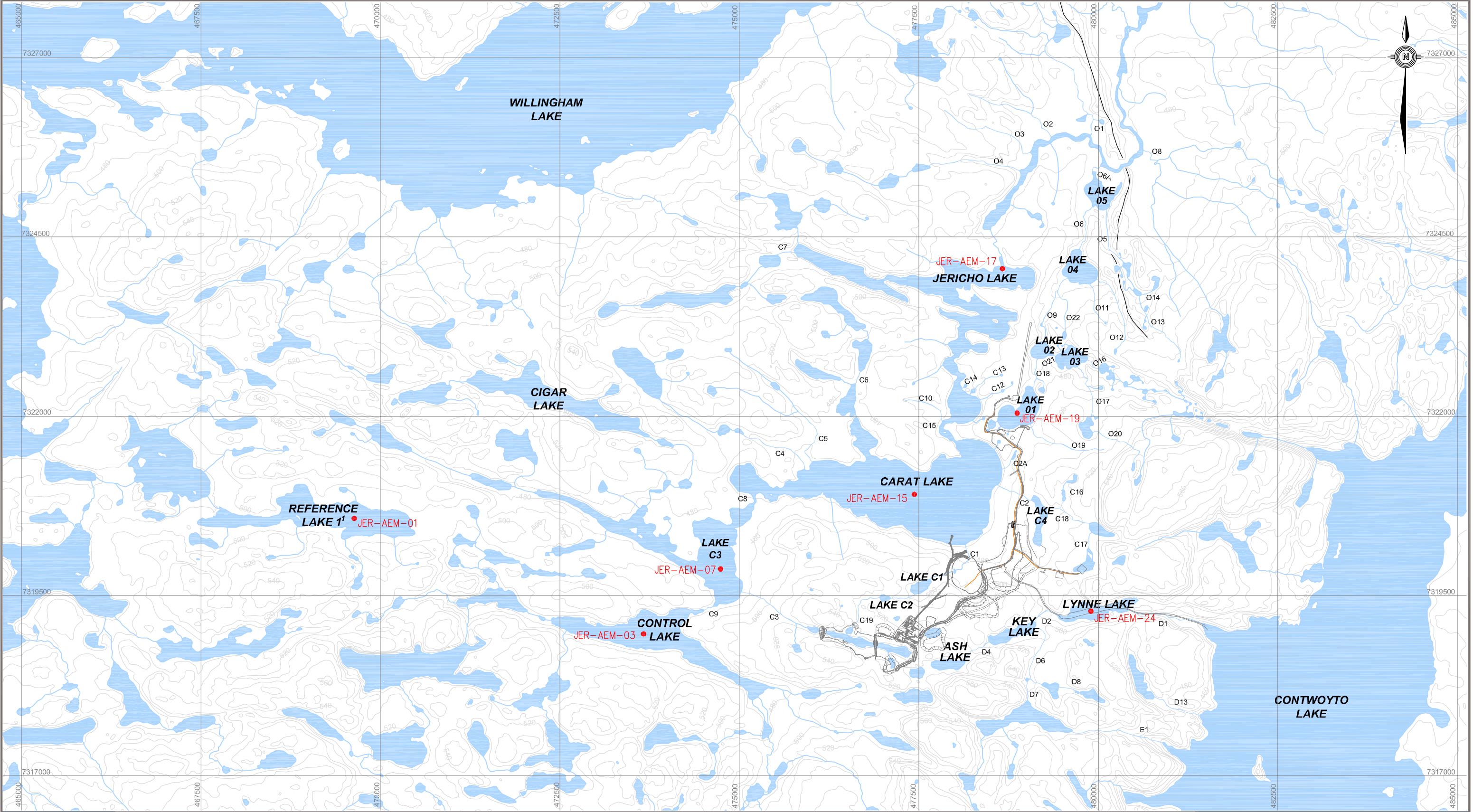
OFFICE
EBA-EDM

DATE
January 31, 2011

Figure 5



ISSUED FOR USE



LEGEND

• - DO / TEMPERATURE PROFILE MONITORING LOCATIONS

NOTES

1. REFERENCE LAKE 2 WILL BE IDENTIFIED IN 2011. JER-AEM-02 WILL BE LOCATED AT REFERENCE LAKE 2.
3. DRAWING BASED ON NTS MAPS 76E13, 76E14, 76L03, 76L04

BASE DATA: NTS 1:50,000

CLIENT

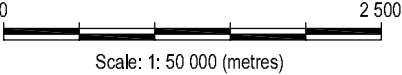


AQUATIC EFFECTS MONITORING PLAN
JERICO MINE

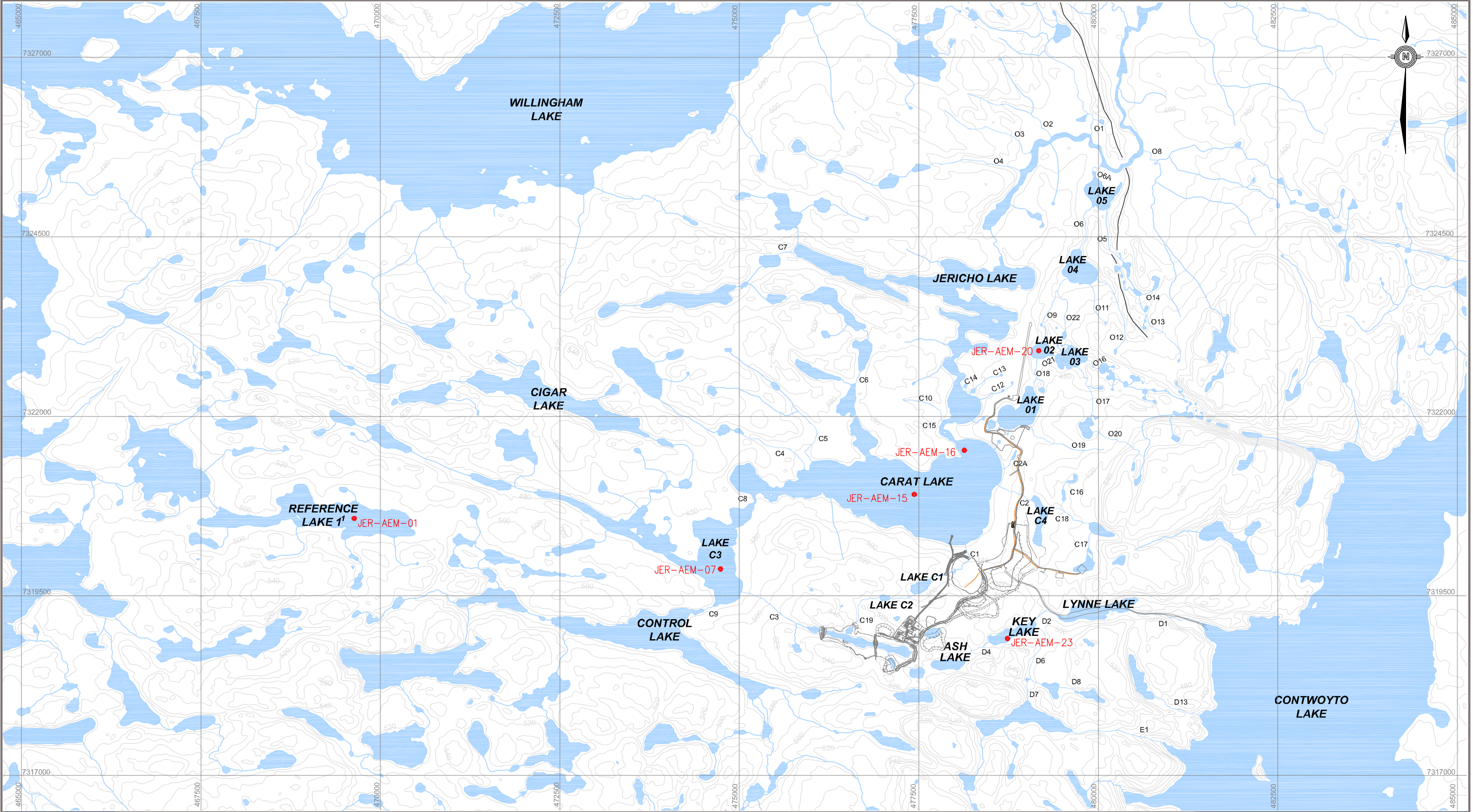
DO / TEMPERATURE PROFILE MONITORING
LOCATION PLAN

PROJECT NO. E14101118	DWN DBD / MM	CKD WL	REV 0
OFFICE EBA-EDM	DATE January 28, 2011		

Figure 6



FOR INTERNAL USE ONLY



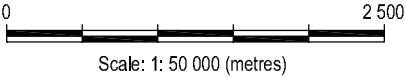
LEGEND

• - PHYTO / ZOOPLANKTON MONITORING STATION

NOTES

1. REFERENCE LAKE 2 WILL BE IDENTIFIED IN 2011. JER-AEM-02 WILL BE LOCATED AT REFERENCE LAKE 2.
3. DRAWING BASED ON NTS MAPS 76E13, 76E14, 76L03, 76L04

BASE DATA: NTS 1:50,000



FOR INTERNAL USE ONLY

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AQUATIC EFFECTS MONITORING PLAN
JERICO MINE

PHYTO / ZOOPLANKTON MONITORING
LOCATION PLAN

PROJECT NO. E14101118	DWN DBD / MM	CKD WL	REV 0
OFFICE EBA-EDM	DATE January 28, 2011		

Figure 7

- - AEMP PERIPHYTON MONITORING STATION



1. TWO CONTROL LOCATIONS OF PERIPHYTON SAMPLING STATIONS (JER-AEM-1B and 1C) WILL BE IDENTIFIED DURING THE NEW REFERENCE LAKE STUDY IN 2011.
2. DRAWING BASED ON NTS MAPS 76E13, 76E14, 76L03, 76L04

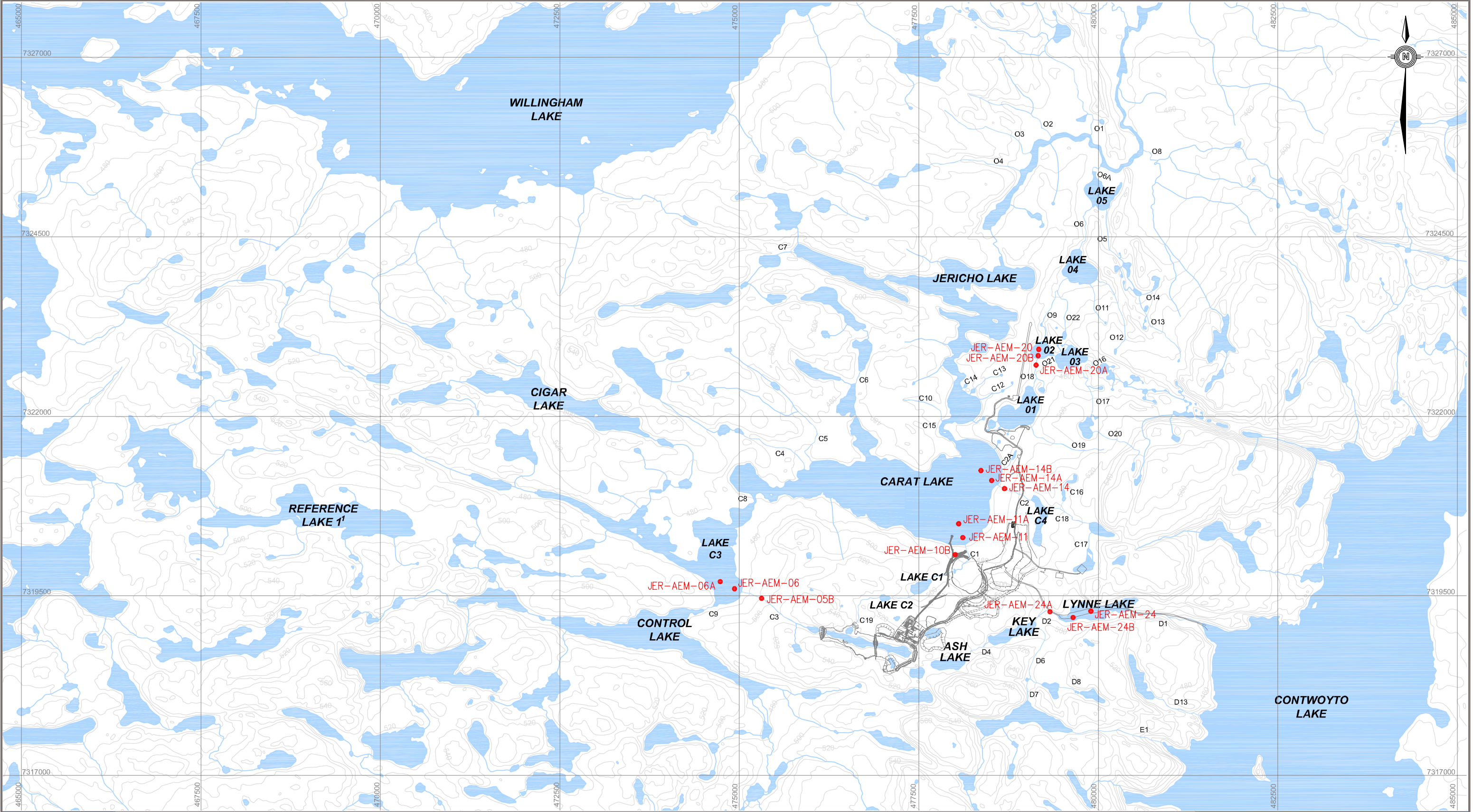
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PERIPHYTON MONITORING LOCATION PLAN

PROJECT NO. E14101118	DWN MM	CKD WL	REV 0
OFFICE EBA-EDM	DATE January 31, 2011		

Figure 8



LEGEND

● - AEMP BENTHIC MICROINVERTEBRATE MONITORING STATION

NOTES

1. THREE CONTROL BENTHIC SAMPLING LOCATIONS (JER-AEM-01D,E AND F) WILL BE IDENTIFIED DURING REFERENCE LAKE STUDY IN 2011.
2. DRAWING BASED ON NTS MAPS 76E13, 76E14, 76L03, 76L04

CLIENT



AQUATIC EFFECTS MONITORING PLAN
JERICO DIAMOND MINE, NUNAVUT

BENTHIC MICROINVERTEBRATE MONITORING
LOCATION PLAN

PROJECT NO. E14101118	DWN MM	CKD WL	REV 0
OFFICE EBA-EDM	DATE January 31, 2011		

Figure 9

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