

February 1, 2012

Jeff Mercer  
Manager, Land Administration  
Aboriginal Affairs and Northern Development Canada  
969 Qimugjuk Building  
P.O. Box 2000  
Iqaluit, NU X0A 0H0

Dear Jeff:

**Project: DYE-M, Cape Dyer**

**Regarding: Quarry Permit Returns for 2011QP0015 - 2011QP0025 in association with Land Use Permit N2008X0003**

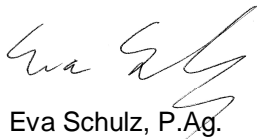
AECOM is pleased to be providing the following information regarding the quarry permit returns for the work completed at the DYE-M, Cape Dyer DEW Line site in 2011. The information is being provided on behalf of Defence Construction Canada and the Department of National Defence.

<b>Borrow Area</b>	<b>Permit Number</b>	<b>Quantity of Granular Material Removed (m<sup>3</sup>)</b>
1	2011QP0015	1,000
2	2011QP0016	0
3	2011QP0017	4,000
4	2011QP0018	0
6	2011QP0019	0
7	2011QP0020	0
9	2011QP0021	0
10	2011QP0022	0
11	2011QP0023	0
13	2011QP0024	2,200
14	2011QP0025	0
<b>Total</b>		<b>7,200</b>

Construction work at this site is expected to continue into 2013, therefore, a quarry permit application for the 2012 season is attached.

We trust the information provided is sufficient for you to process the application. Please feel free to contact the undersigned if you have any questions or comments.

Sincerely,  
**AECOM Canada Ltd.**



Eva Schulz, P.Ag.  
Senior Environmental Scientist  
Eva.Schulz@aecom.com  
EMS

cc: Tamara Van Dyck, DCC  
Encl: Quarry Permit Application and Site Plans



## APPLICATION FOR QUARRYING PERMIT DEMANDE DE PERMIS POUR L'EXPLOITATION D'UNE CARRIÈRE

NAME - NOM : Tamara Van Dyck  
OCCUPATION - PROFESSION : Environment Officer  
EMPLOYER - EMPLOYEUR : Defence Construction Canada Ltd.

I hereby apply for a Quarrying Permit for the purpose of taking:  
Je demande un permis pour l'exploitation d'une carrière afin d'extraire :

640,700 cubic metres of - metres cubes de Granular Materials  
cubic metres of - metres cubes de \_\_\_\_\_  
cubic metres of - metres cubes de \_\_\_\_\_

FROM - DE : (Location of Pit - Emplacement de la carrière) : Please refer to attached drawings.  
NTS MAP SHEET # - N° de la carte SNRC 16L Cape Dyer  
Co-ordinates - Coordonnées : 68° 53' N, 75° 09' W

1. Is any part of the land occupied? And if so, by whom and for what purpose?  
Est-ce qu'une partie des terres est occupée? Si oui, par qui et à quelles fins?  
The land is not occupied.
2. The only buildings or other improvements on the said lands are as follows:  
Bâtiments construits sur le site ou aux autres améliorations prévues:  
(A) Nature of improvements - Nature de améliorations: N/A  
(B) Value of improvements - Valeur des améliorations: N/A  
(C) Owner of improvements - Propriétaire des améliorations: N/A
3. The land is/is not wooded. (If wooded, describe species of trees and approximate size.)  
Les terres sont/ne sont pas boisées (Si elles sont boisées, décrire les espèces d'arbres et leur taille approximative.)  
The land is not wooded.
4. The attached plan is a sketch plan of the said land as required by the Territorial Quarrying Regulations.  
Un plan des terres susmentionnées est joint à la présente demande conformément au *Règlement sur l'exploitation de carrière s territoriales.*



I enclose the required fees as indicated below:  
J'inclus les droits de permis indiqués ci-dessous:

QUARRY PERMIT FEE  
DROITS DU PERMIS D'EXPLOITATION.....\$150.00                      TOTAL \$       N/A      

ROYALTIES ON SAND, GRAVEL LOAM  
REDEVANCES SUR LE SABLE, LE GRAVIER  
ET LA TERRE BLANCHE  
Per cubic metre - Par mètre cube :.....\$1.50                      TOTAL \$       N/A      

ROYALTIES ON OTHER BUILDING MATERIALS  
REDEVANCES SUR LES AUTRES MATÉRIAUX DE  
CONSTRUCTION  
Per cubic metre - Par mètre cube :.....\$1.25                      TOTAL \$       N/A      

TOTAL FEES - COÛTS TOTAUX:                      \$       N/A      

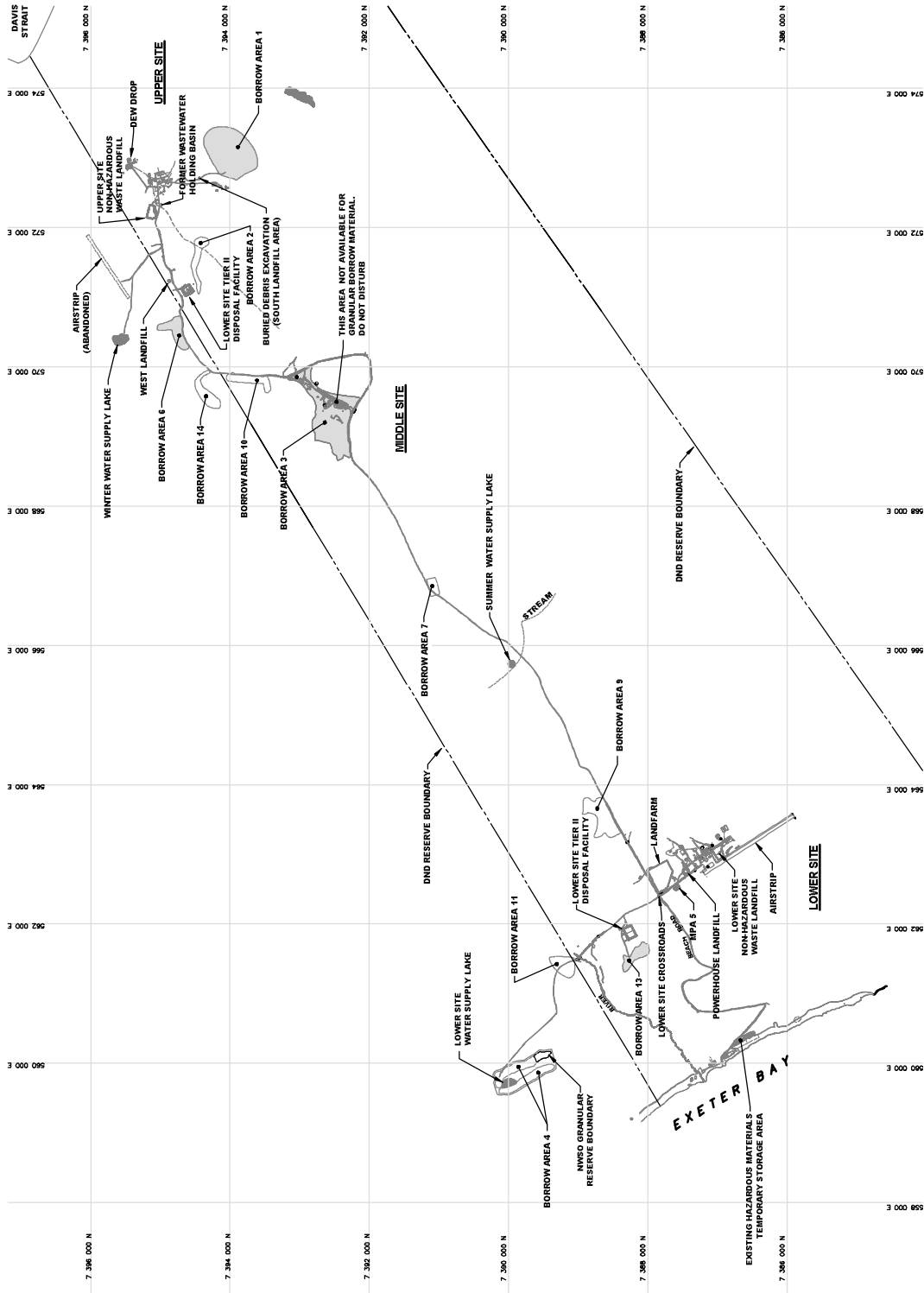
DATE:       January 27, 2012      

SIGNATURE OF APPLICANT – SIGNATURE DU DEMANDEUR:

  
For Tamara Van dyck

**Estimated Quantities of Granular Material Available at DYE-M, Cape Dyer**

Borrow Area	Quantity (cubic metres)
1	154,600
2	23,800
3	130,500
4	72,500
6	31,000
7	21,000
9	81,000
10	34,000
11	16,300
13	13,000
14	63,000
<b>Total</b>	<b>640,700</b>



LEGEND:  
- WORKED BORROW AREA IN 2011

NOTES  
BASE DRAWING PROVIDED BY AECOM (2010)  
DRAWING NOT TO SCALE

AECOM

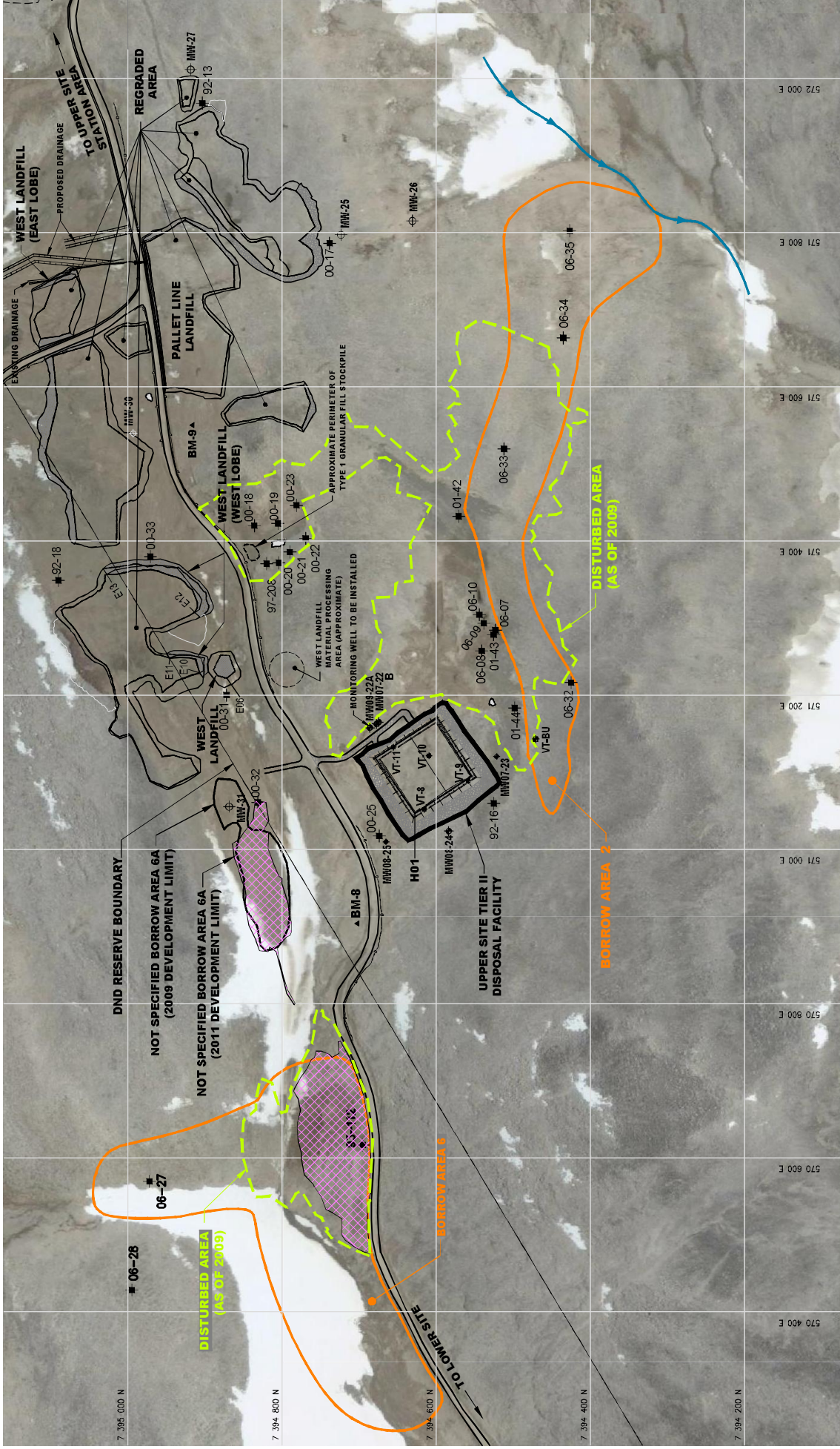


GENERAL SITE PLAN  
BORROW SOURCES LOCATIONS

PROJECT NO.	DWN	CKD	REV
94-10995027 011	MM	RK	0
OFFICE	DATE	October 14, 2011	
EDM			

Figure 1





LEGEND:

- DRAINAGE
- SPECIFIED BORROW LIMITS
- DISTURBED AREA (AS OF 2009)
- APPROXIMATE 2011 BORROW DEVELOPMENT AREA
- TESTPIT (EXCAVATION YEAR DENOTED BY FIRST TWO DIGITS OF TESTPIT ID)
- GROUND TEMPERATURE CABLE LOCATION
- MONITORING WELL LOCATION
- BENCHMARK

NOTES:

SATELLITE IMAGE FROM GOOGLE EARTH  
BASE DRAWING PROVIDED BY AECOM (2010)



DEW LINE CLEAN UP PROJECT  
DYE-M, CAPE DYER, NU

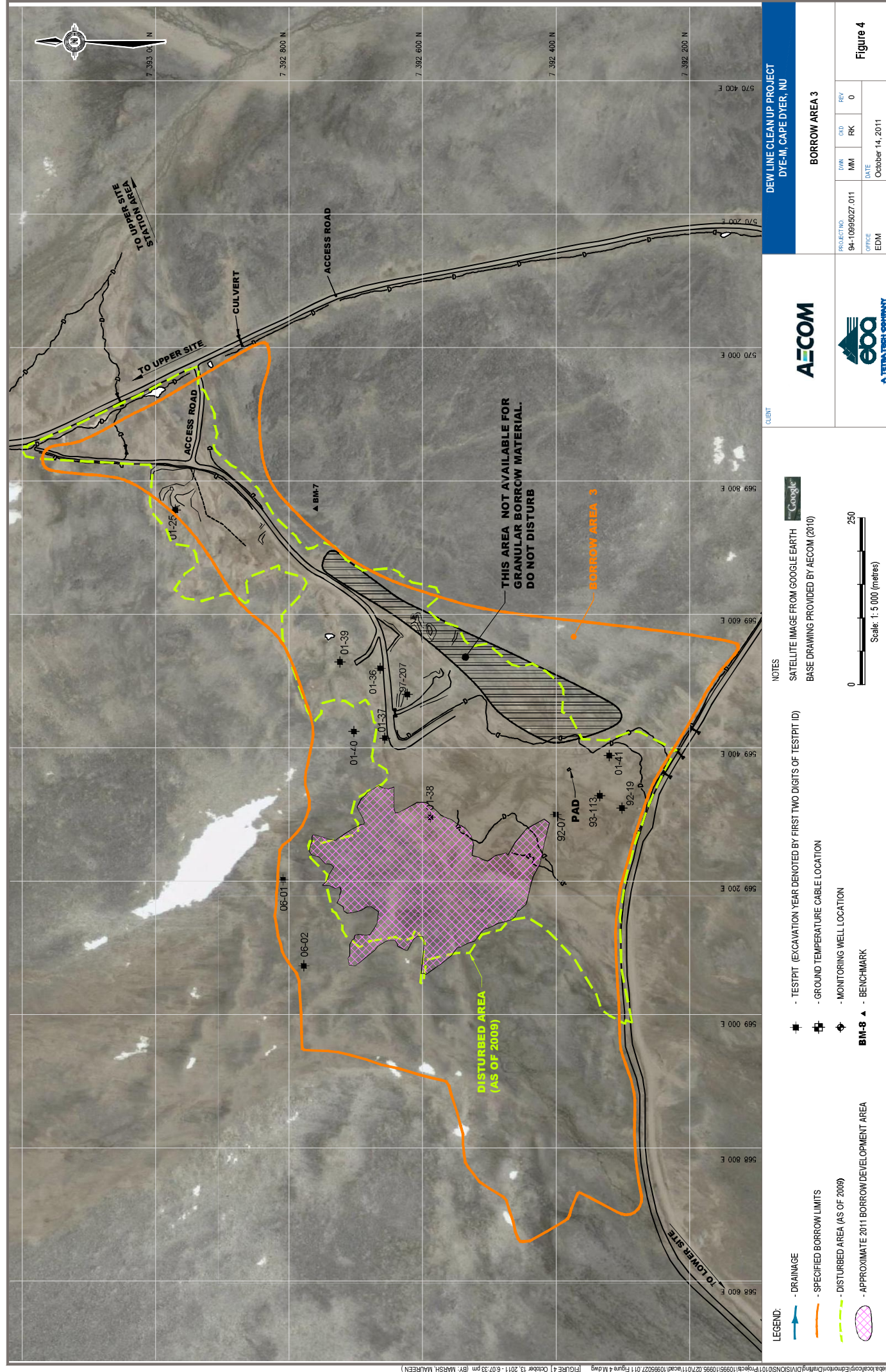
AECOM

Google

BORROW AREA 2 AND 6  
UNSPECIFIED BORROW AREA 6A

PROJECT NO.	DWN	REV
94-10995027.011	MM	0
OFFICE	DATE	
EDM	November 10, 2011	

Figure 3



\\eba.local\corpl\Edmonton\Drafting\DWG\CONS\010\10995\10995\_027\011\acadi\10995027.011 Figure 5.8.9.10.12 L.dwg [FIGURE 5] October 14, 2011 - 9:28:03 am (BY: MARSH, MAUREEN)



#### NOTES

SATELLITE IMAGE FROM GOOGLE EARTH







BASE DRAWING PROVIDED BY AECOM (2010)

0 250

Scale: 1: 5 000 (metres)

#### LEGEND:

-  - DRAINAGE
-  - SPECIFIED BORROW LIMITS
-  - DISTURBED AREA (AS OF 2009)
-  - TESTPIT (EXCAVATION YEAR DENOTED BY FIRST TWO DIGITS OF TESTPIT ID)

#### CLIENT

**AECOM**



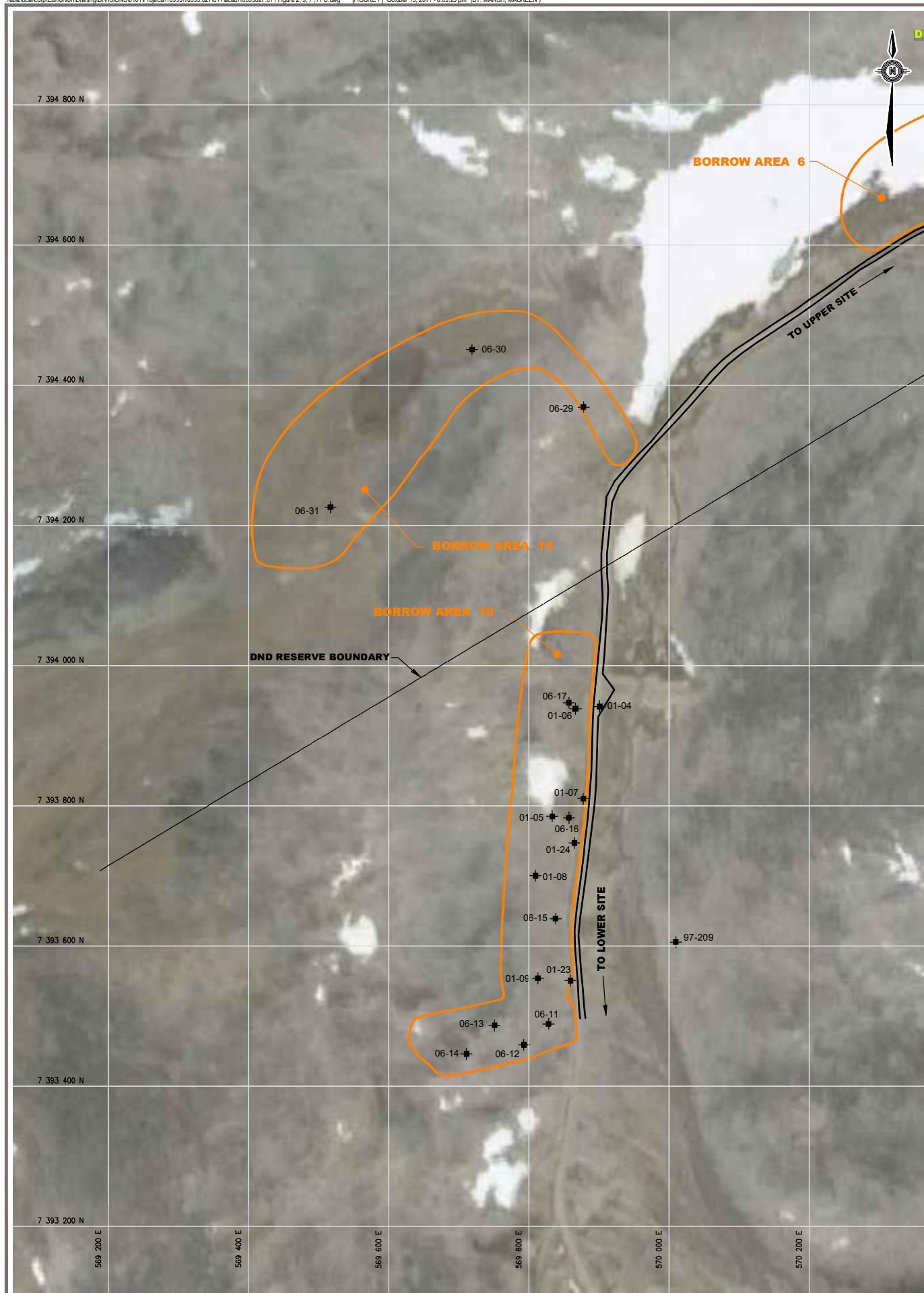
**DEW LINE CLEAN UP PROJECT  
DYE-M, CAPE DYER, NU**

**BORROW AREA 4**






PROJECT NO. 94-10995027.011	DWN MM	CKD RK	REV 0
OFFICE EDM	DATE October 14, 2011		

**Figure 5**





**LEGEND:**

-  - DRAINAGE
-  - SPECIFIED BORROW LIMITS
-  - DISTURBED AREA (AS OF 2009)
-  - APPROXIMATE 2011 BORROW DEVELOPMENT AREA
-  - TESTPIT (EXCAVATION YEAR DENOTED BY FIRST TWO DIGITS OF TESTPIT ID)

**NOTES**

SATELLITE IMAGE FROM GOOGLE EARTH  
BASE DRAWING PROVIDED BY AECOM (2010)

0 250  
Scale: 1:5 000 (metres)

**CLIENT**

**AECOM**

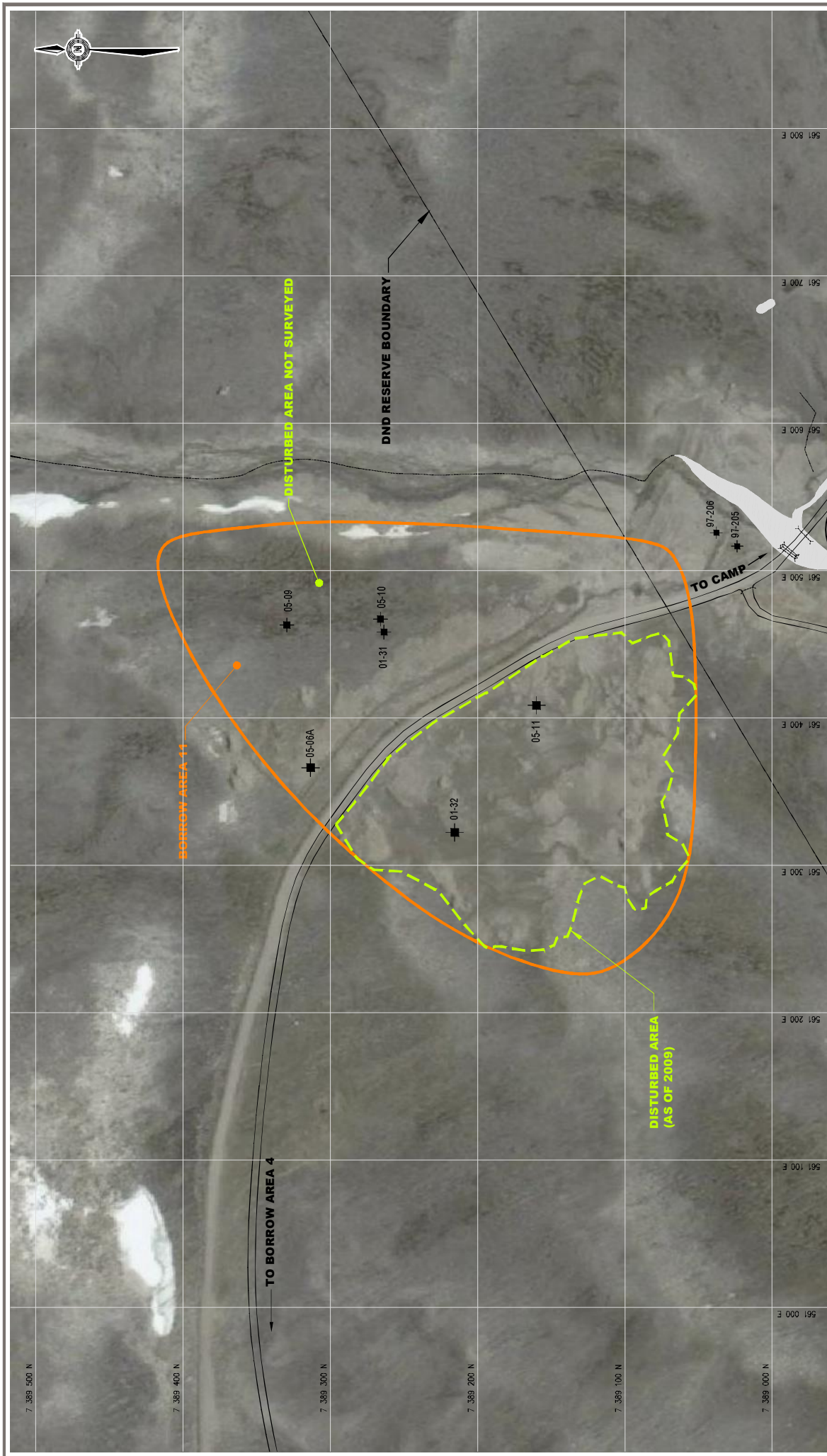


**DEW LINE CLEAN UP PROJECT  
DYE-M, CAPE DYER, NU**

**BORROW AREA 10 AND 14**

PROJECT NO. 94-10995027.011	DWN MM	CKD RK	REV 0
OFFICE EDM	DATE October 14, 2011		

**Figure 7**



**LEGEND:**

- DRAINAGE
- SPECIFIED BORROW LIMITS
- DISTURBED AREA (AS OF 2009)
- APPROXIMATE 2011 BORROW DEVELOPMENT AREA

**NOTES**

SATELLITE IMAGE FROM GOOGLE EARTH

BASE DRAWING PROVIDED BY AECOM (2010)

0 200  
Scale: 1:4,000 (metres)

**CLIENT**

**AECOM**

**ebc**  
A TETRA TECH COMPANY

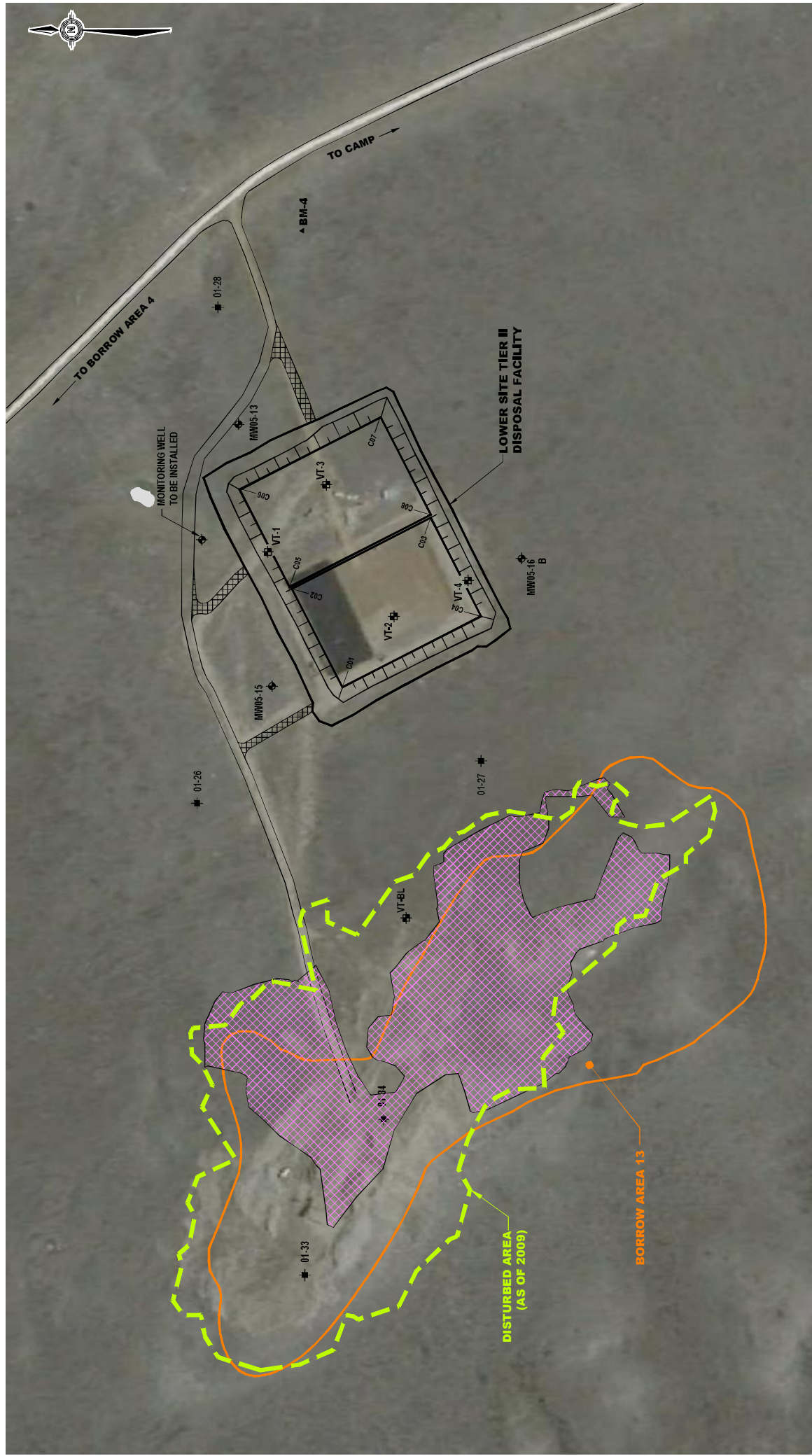
**DEW LINE CLEAN UP PROJECT**  
**DYE-M, CAPE DYER, NU**

**BORROW AREA 11**

PROJECT NO.	DWN	CKD	REV
94-10995027.011	MM	RK	0

**Figure 8**

DATE: October 14, 2011  
OFFICE: EDM



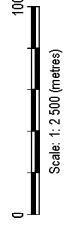
#### LEGEND:

- DRAINAGE
- SPECIFIED BORROW LIMITS
- DISTURBED AREA (AS OF 2009)
- APPROXIMATE 2011 BORROW/DEVELOPMENT AREA

- # - TESTPIT (EXCAVATION YEAR DENOTED BY FIRST TWO DIGITS OF TESTPIT ID)
- ⊕ - GROUND TEMPERATURE CABLE LOCATION
- ⊕ - MONITORING WELL LOCATION
- BM-5 ▲ - BENCHMARK

#### NOTES

SATELLITE IMAGE FROM GOOGLE EARTH  
BASE DRAWING PROVIDED BY AECOM (2010)



CLIENT

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A TETRA TECH COMPANY

DEW LINE CLEAN UP PROJECT  
DYE-M, CAPE DYER, NJ

BORROW AREA 13  
LOWER SITE TIER II DISPOSAL FACILITY

PROJECT NO.	DWN	CRD	REV
94-10995027.011	MM	RK	0
OFFICE	DATE		
EDM	October 14, 2011		

Figure 9