

March 31, 2010

Phyllis Beaulieu
Licensing Manager
Nunavut Water Board
P.O. Box 119
Gjoa Haven, NU X0B 1J0

Dear Phyllis:

Project No: Water Use Licence No.: 1BR-CAP0914

Regarding: PIN-2, Cape Young DEW Line Site

AECOM Canada Ltd. is providing the attached annual report form as per Section B.1 of the above-noted water use license. The report is being submitted on behalf of Defence Construction Canada and the Department of National Defence.

In addition to the annual report form, we are providing a summary of the work completed to date at the site. There were no sewage effluent or wastewater samples collected at PIN-4 and there was no water use license inspection by INAC in 2009. The following is a summary of the work completed in 2009:

Summary of Work Completed

Non-Hazardous Waste Landfill (NHWLF): Construction of the NHWLF commenced September 15, 2009 with the construction of an access road, boulder removal, and the original ground survey. Berm construction followed shortly after and continued until September 29, 2009. Work that is outstanding for the berms includes final shaping, minor fill placement, and placement of Type 1 granular fill on the outside slopes.

Tier II Disposal Facility: Work on the Tier II Disposal Facility during the 2009 season was limited to installation of the monitoring wells and survey of the original ground. No earthwork activities took place in 2009.

Groundwater Monitoring Well Installation: During the 2009 construction season, 8 groundwater monitoring wells were installed at the following locations:

- NHWLF MW09-08(up-gradient), MW09-05 (down-gradient), MW09-06 (down-gradient), and MW09-07 (down-gradient).
- Tier II Facility MW09-4 (up-gradient), MW09-01 (down-gradient), MW09-02 (down-gradient), and MW09-03 (down-gradient).

Debris Removal: Surface debris collection commenced in 2009.

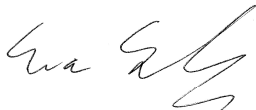
Regrades: In 2009 the first lift of Type 2 material was placed at Regrades 8, 10, 12, 13, 14, 17, 27, 29, 30, 31, 32, 33, 34, 35, 37, 40, and 41. Two lifts were placed at Regrade 38. In 2010 additional compaction and density testing will be required for all lifts placed during the 2009 season, except the first lift of Regrade 38.

Community Consultations: The results of the community meetings held by DCC were submitted with the Project Description. The contractor typically holds a project start up meeting prior to each season.

Spill Incidences: None.

We trust the information provided is sufficient. Please feel free to contact the undersigned if you require any additional information.

Sincerely,
AECOM Canada Ltd.



Eva Schulz, P.Ag.
Eva.Schulz@aecom.com

EMS.
cc: Douglas Craig, DCC

Encl. Annual Report Form; Updated Site Figures and Selected Site Photos

NWB Annual Report

Year being reported: 2009 ▼

License No: 1BR-CAP0914

Issued Date: May 29, 2009

Expiry Date: May 31, 2014

Project Name: PIN-2, Cape Young

Licensee: Defence Construction Canada

Mailing Address: Constitution Square, Suite 1720
350 Albert Street
Ottawa, ON K1A 0K3

Name of Company filing Annual Report (if different from Name of Licensee
please clarify relationship between the two entities, if applicable):

AECOM Canada Ltd. - Engineering Consultant

General Background Information on the Project (*optional):

Licence Requirements: the licensee must provide the following information in
accordance with

Part B ▼

Item 1 ▼

**A summary report of water use and waste disposal activities, including, but not limited to:
methods of obtaining water; sewage and greywater management; drill waste management; solid
and hazardous waste management.**

Water Source(s):	Harding River	
Water Quantity:	65 for all purposes	Quantity Allowable Domestic (cu.m)
	58 per day	Actual Quantity Used Domestic (cu.m)
	n/a	Quantity Allowable Drilling (cu.m)
	n/a	Total Quantity Used Drilling (cu.m)

Waste Management and/or Disposal

☒ Solid Waste Disposal☒ Sewage

1381 cu.m of sewage and greywater were discharged to the sewage lagoon.

☐ Drill Waste☒ Greywater☒ Hazardous☐ Other:

Additional Details:

Details of the waste management and disposal were provided in the application.

A list of unauthorized discharges and a summary of follow-up actions taken.

Spill No.: (as reported to the Spill Hot-line)

Date of Spill:

Date of Notification to an Inspector:

Additional Details: (impacts to water, mitigation measures, short/long term monitoring, etc)

Revisions to the Spill Contingency Plan

SCP submitted and approved - no revision required or proposed

Additional Details:

Revisions to the Abandonment and Restoration Plan

N/A - not applicable

Additional Details:

The entire project is an abandonment and restoration program.

Progressive Reclamation Work Undertaken

Additional Details (i.e., work completed and future works proposed)

Results of the Monitoring Program including:

The GPS Co-ordinates (in degrees, minutes and seconds of latitude and longitude) of each location where sources of water are utilized;

Details attached

Additional Details:

The GPS Co-ordinates (in degrees, minutes and seconds of latitude and longitude) of each location where wastes associated with the licence are deposited;

Details attached

Additional Details:

Results of any additional sampling and/or analysis that was requested by an Inspector

No additional sampling requested by an Inspector or the Board

No additional sampling requested by an Inspector or the Board



Additional Details: (date of request, analysis of results, data attached, etc)

Any other details on water use or waste disposal requested by the Board by November 1 of the year being reported.

No additional sampling requested by an Inspector or the Board



Additional Details: (Attached or provided below)

Any responses or follow-up actions on inspection/compliance reports

No inspection and/or compliance report issued by INAC



Additional Details: (Dates of Report, Follow-up by the Licensee)

Any additional comments or information for the Board to consider

Date Submitted:

March 31, 2010

Submitted/Prepared by:

Eva Schulz

Contact Information:

Tel:

403-270-9220

Fax:

403-270-0399

email:

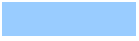
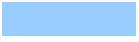
eva.schulz@aeacom.com

GPS Coordinates for water sources utilized

Source Description	UTM Zone 11N, NAD83	
	Northing	Easting
Harding River	7639575	497880

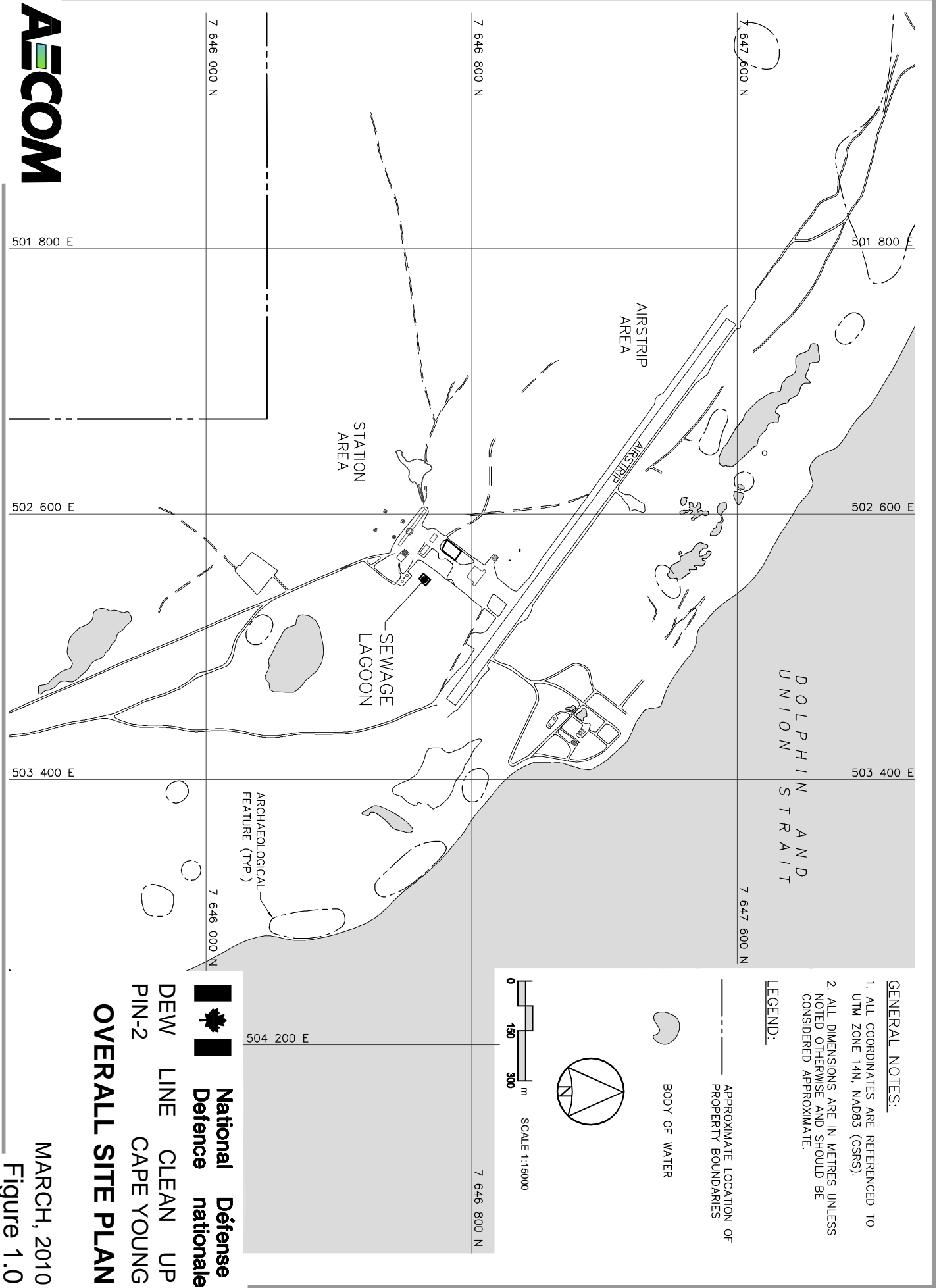
GPS Locations of areas of waste disposal

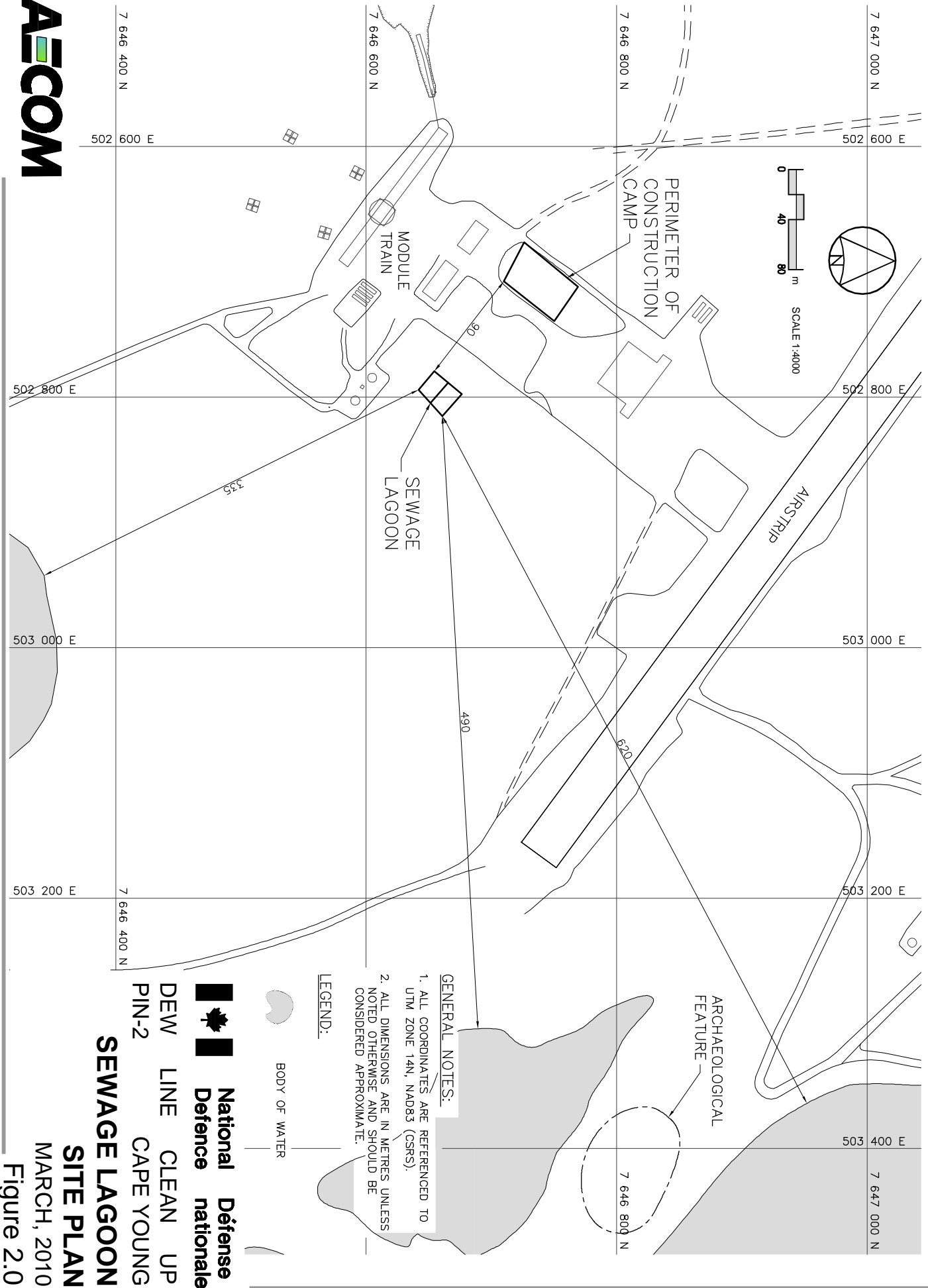
Location Description (type)	UTM Zone 11N, NAD83	
	Northing	Easting
Tier II Disposal Facility	7646295.4	502420.1
Tier II Disposal Facility	7646332.4	502457
Tier II Disposal Facility	7646288.3	502501.1
Tier II Disposal Facility	7646251.4	502464.1
Non-Hazardous Waste Landfill	7645247.2	503027.9
Non-Hazardous Waste Landfill	7645297.4	503052.7
Non-Hazardous Waste Landfill	7645272.6	503102.9
Non-Hazardous Waste Landfill	7645222.4	503078.1
sewage lagoon-7110	7646704.278	502812.961
sewage lagoon-7111	7646683.040	502840.537
sewage lagoon-7112	7646658.024	502820.094
sewage lagoon-7113	7646680.089	502793.685

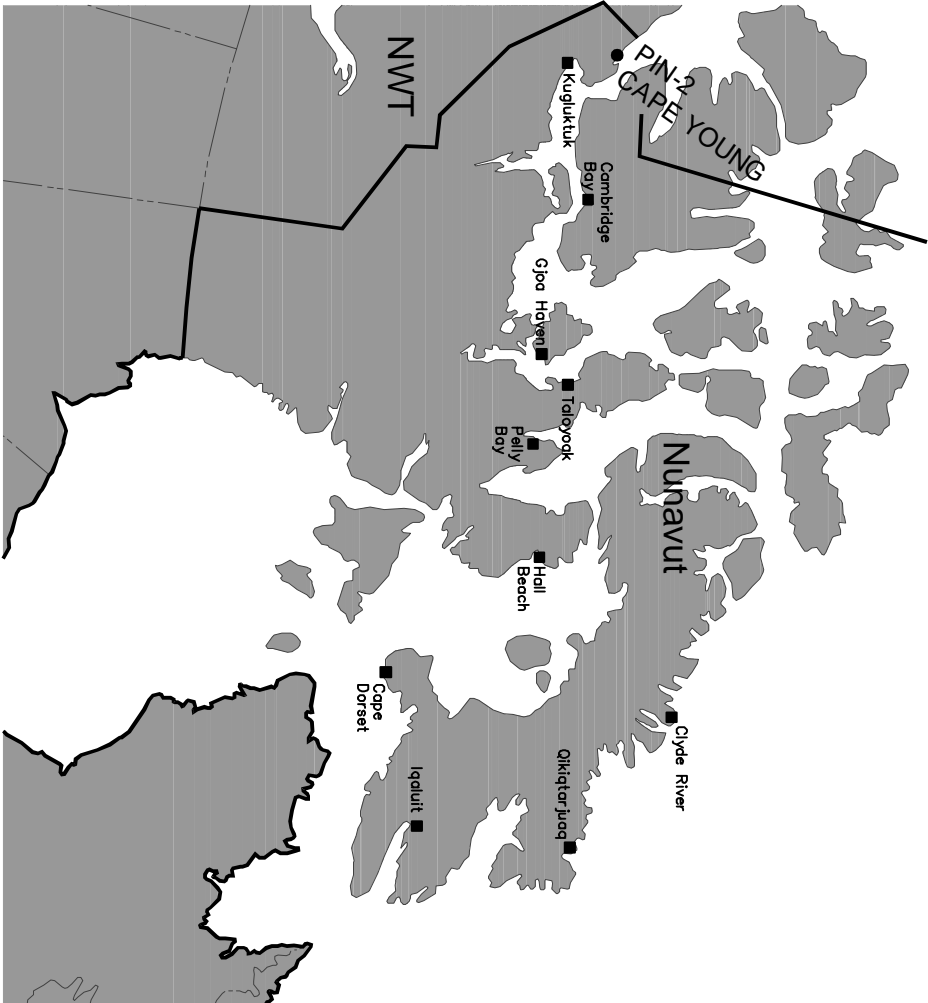


Attachments

Updated Site Figures





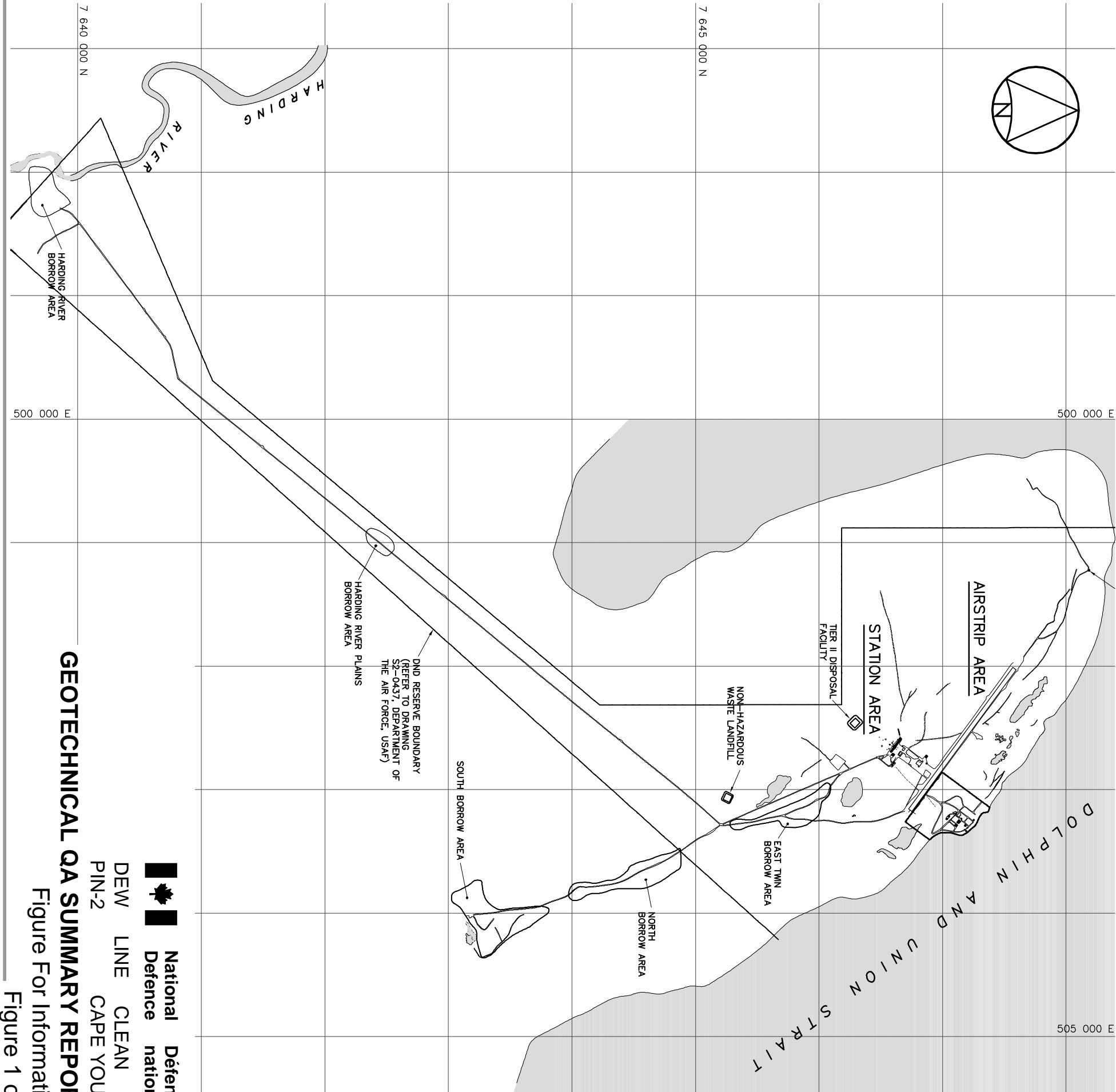


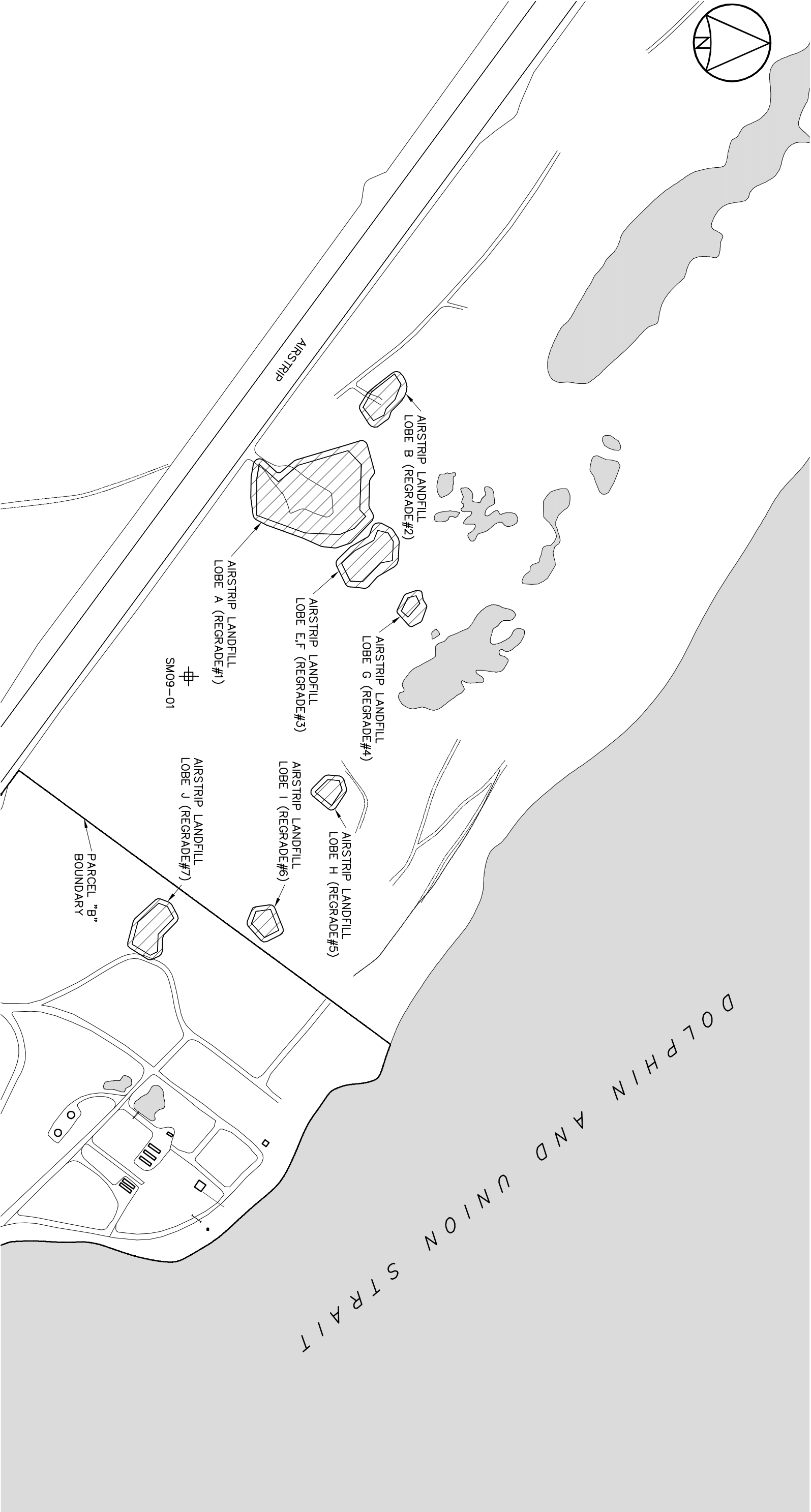
LOCATION OF CAPE YOUNG WITHIN NUNAVUT TERRITORY

N.T.S.

POTENTIAL SOURCES FOR GRANULAR MATERIALS ***						
BORROW AREA	GRANULAR TYPE (SEE SECTION 02226 IN SPECIFICATION)					
	TYPE 1	TYPE 2	TYPE 3	TYPE 4	TYPE 5	TYPE 6
EAST TWIN	✓					
NORTH		✓ *	✓			✓
SOUTH		✓ *	✓			✓
HARDING RIVER PLAINS					✓	
HARDING RIVER				✓ **		

* MATERIAL REQUIRES BLENDING WITH SILT TO PRODUCE TYPE 2 GRANULAR FILL.
** MATERIAL REQUIRES BLENDING WITH SAND AND GRAVEL TO PRODUCE TYPE 4 GRANULAR FILL.
*** REFER TO PIN-2 GEOTECHNICAL REPORT, DATED MARCH 2005.





LEGEND

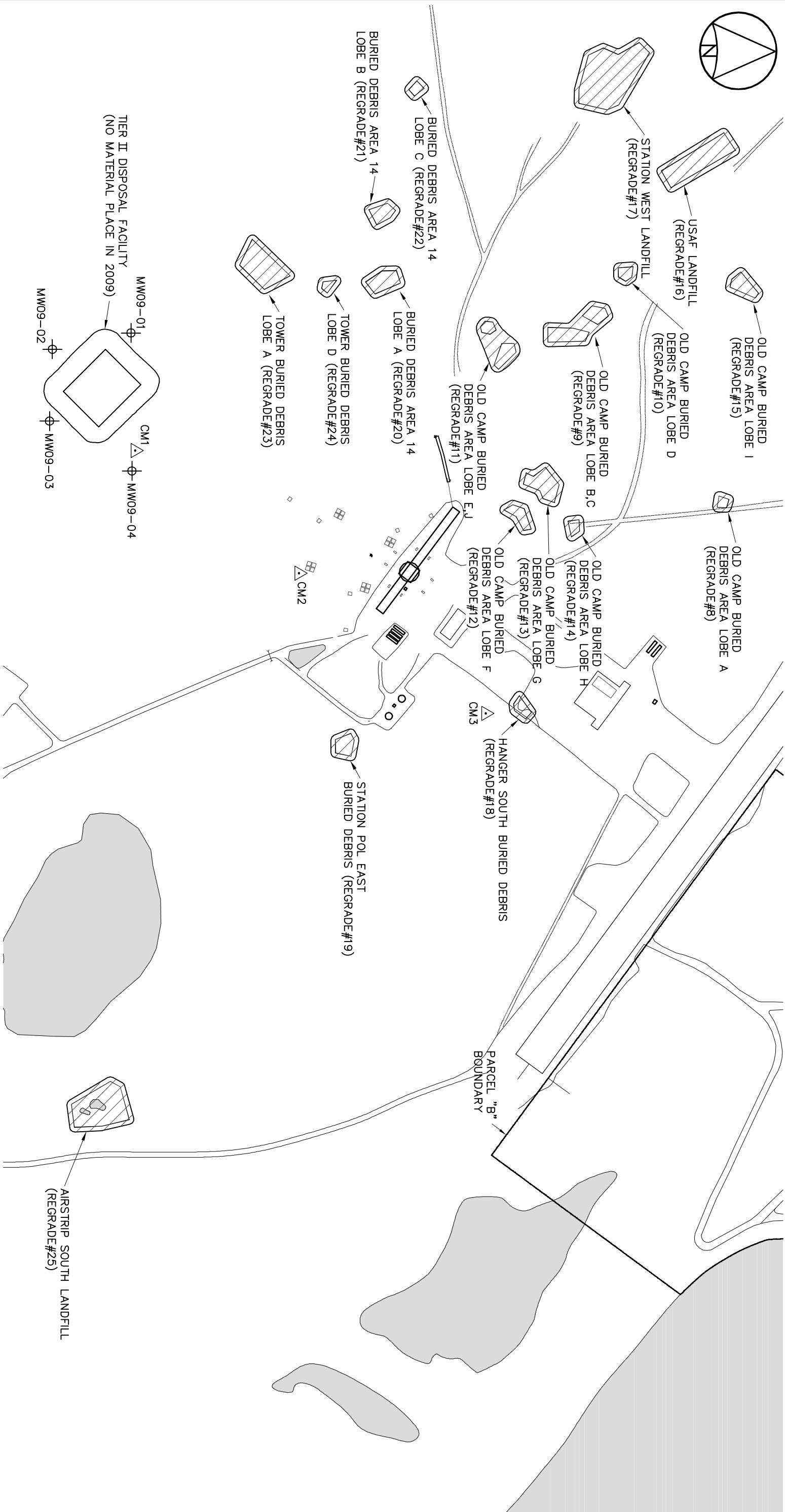
SM09-01 SURVEY CONTROL MONUMENT (INSTALLED IN 2009)

 National Défense
Defence nationale

DEW LINE CLEAN UP
PIN-2 CAPE YOUNG

GEOTECHNICAL QA SUMMARY REPORT

Figure For Information



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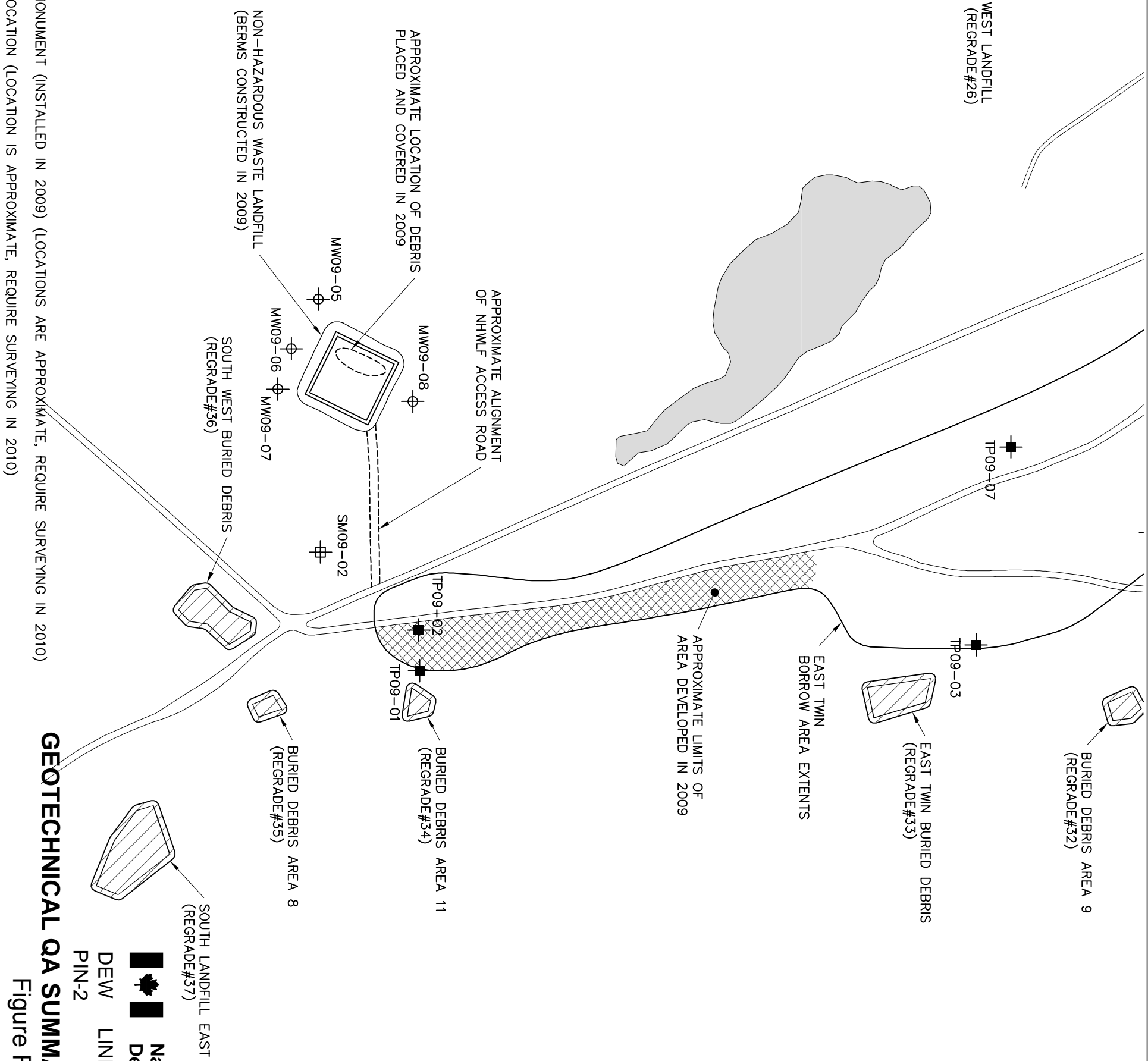
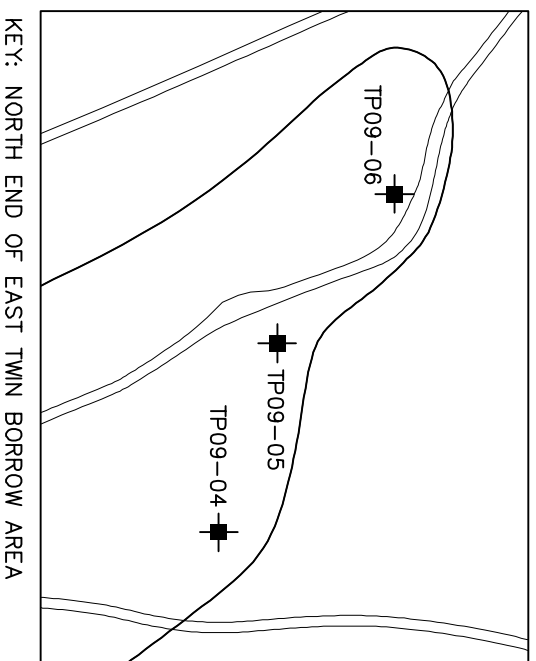
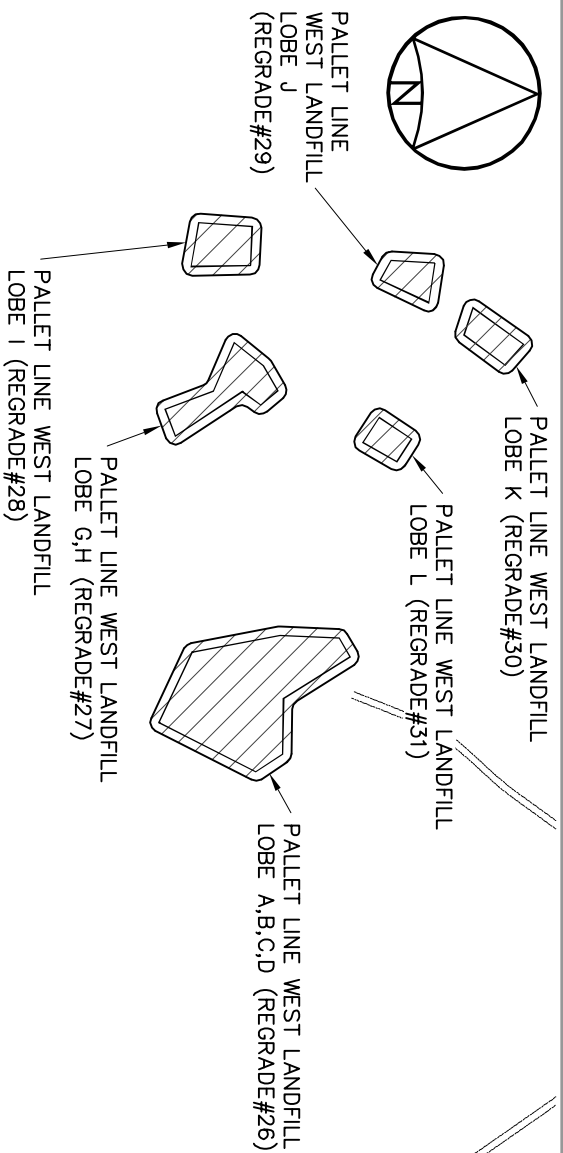
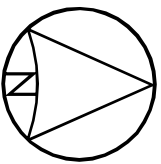
- △ CM1 EXISTING SURVEY CONTROL MONUMENT
- ⊕ MW09-07 MONITORING WELL LOCATION (LOCATIONS ARE APPROXIMATE, REQUIRE SURVEYING IN 2010)

 National Défense
Defence nationale

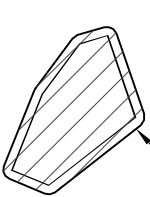
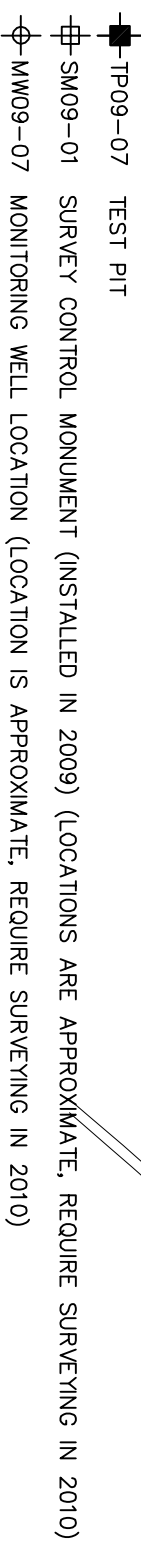
DEW LINE CLEAN UP
PIN-2 CAPE YOUNG

GEOTECHNICAL QA SUMMARY REPORT

Figure For Information



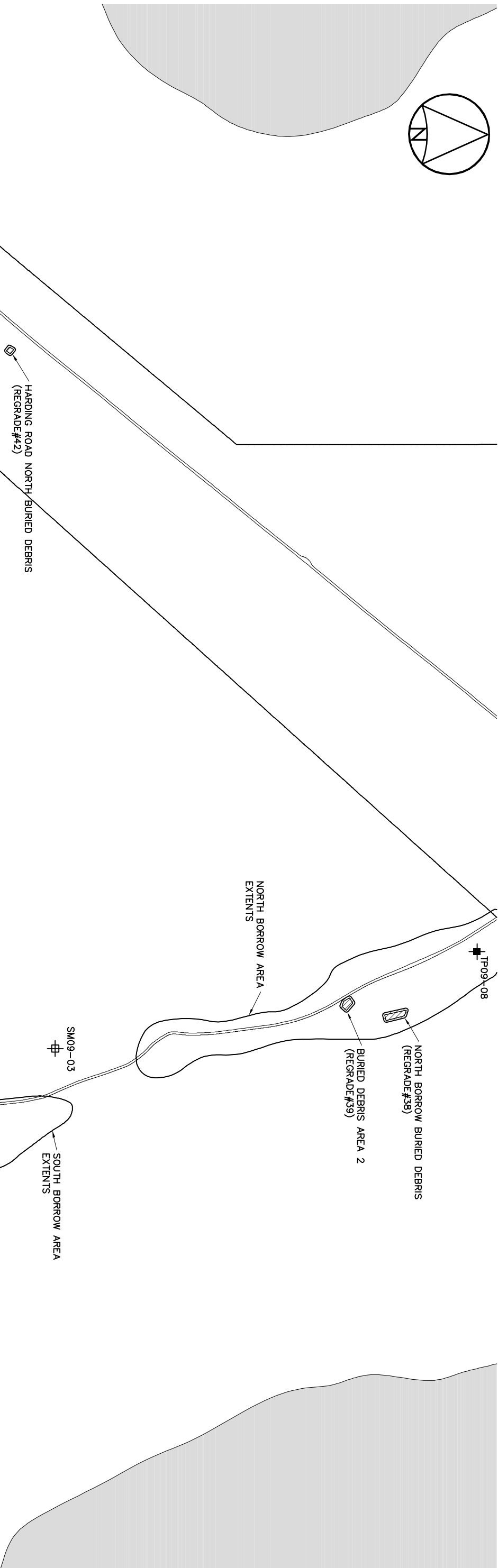
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DEW LINE CLEAN UP
PIN-2 CAPE YOUNG

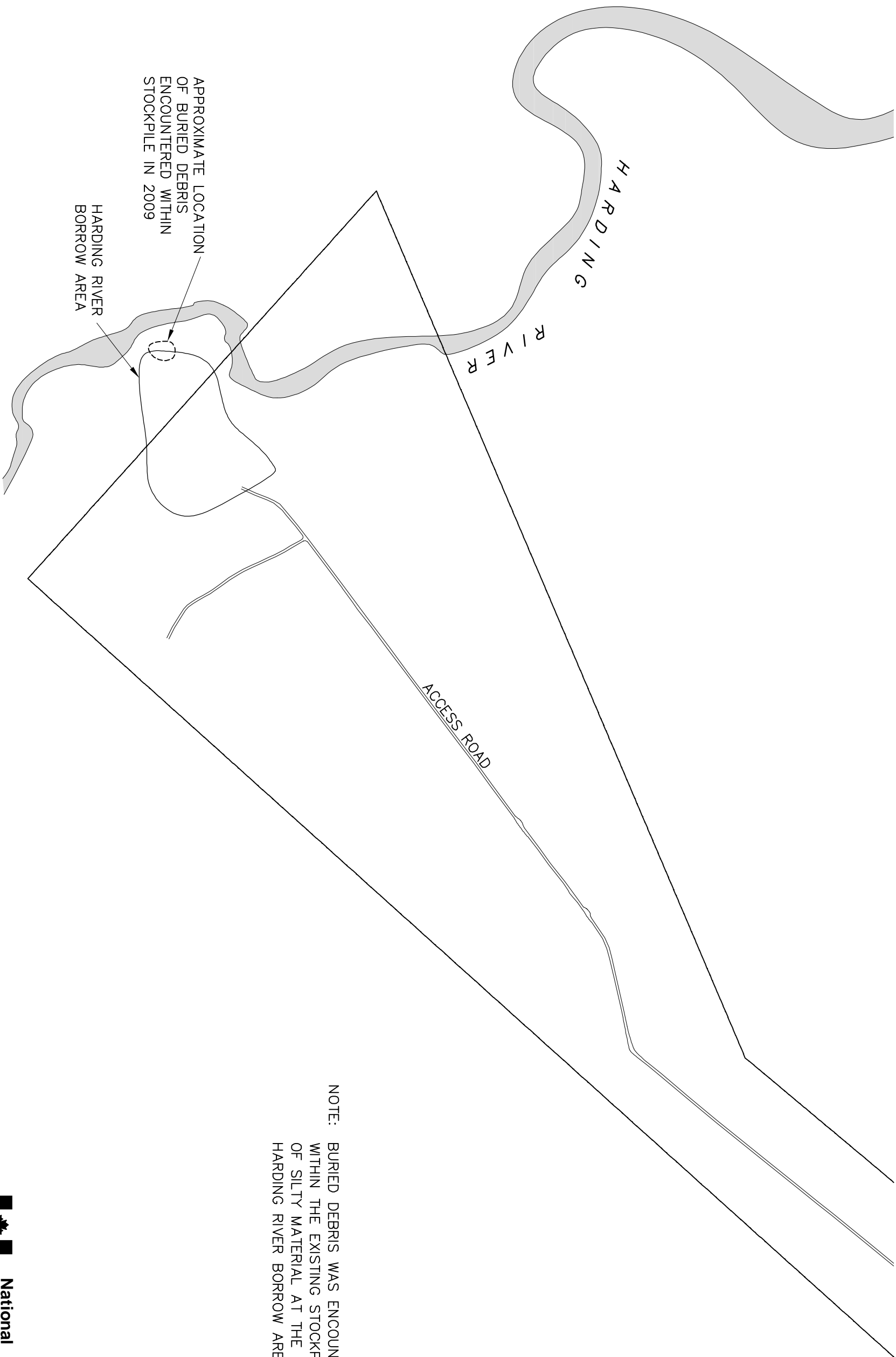
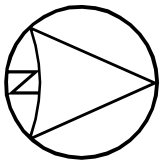
GEOTECHNICAL QA SUMMARY REPORT

Figure For Information



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- TP09-08 TEST PIT
- SM09-03 SURVEY CONTROL MONUMENT (INSTALLED IN 2009) (LOCATION IS APPROXIMATE, REQUIRE SURVEYING IN 2010)



NOTE: BURIED DEBRIS WAS ENCOUNTERED WITHIN THE EXISTING STOCKPILE OF SILTY MATERIAL AT THE HARDING RIVER BORROW AREA.

Attachments

Selected Site Photos



Photograph 1 ↑
Sewage Lagoon



Photograph 2 ↑
Camp



Photograph 3 ↑
Non-Hazardous Waste Landfill



Photograph 4 ↑
Monitoring well installation