



November 15, 2023

by EMAIL

Emma Junker
Regulatory Technician
Mackenzie Valley Land and Water Board
7th Floor – 4922 48th ST
P.O. Box 2130
Yellowknife NT X1A 2P6

Dear Emma Junker:

Re: Hay River Helibase – Land Use Permit MV2018X0020 – Final Plan – Hay River, NT

This letter is being submitted to fulfill the requirements to close out the existing Land Use Permit (LUP) for the Hay River Helibase (MV2018X0020), which expired on October 3, 2023.

The LUP was obtained in order to use earth-drilling machinery to develop boreholes for soil sampling and install groundwater monitoring wells at the Hay River Helibase Facility. The Hay River Helibase Facility is a staging and fuel storage facility to support Environment and Climate Change (ECC) wildfire operations. It is located approximately five kilometers (km) from the Hay River Town Center, south of Highway #2. The operations at the site resulted in hydrocarbon contamination in soil. The Government of the Northwest Territories (GNWT) completed a Phase I/II Environmental Site Assessment (ESA) in 2003/04. A Phase III ESA and Remedial Action Plan (RAP) were completed in 2018/19. The Phase III ESA recommended the completion of a groundwater monitoring program and implementation of best management practices with fuel handling, storage and disposal and additional surficial soil sampling. As the site is still in operation, GNWT is implementing best management practices with fuel handling, storage and disposal. The GNWT is determining next steps with regards to completing a groundwater sampling program and additional soil sampling.

Soil sampling and installation of groundwater monitoring wells occurred in the fall of 2018. Six monitoring wells were installed at the Helibase. All existing groundwater monitoring wells will remain onsite to support future groundwater monitoring programs. If decommissioning of wells is required, or if new wells are to be installed, an application for a new LUP will be submitted.



Attached to this memo are maps showing the site location and existing groundwater well locations. Land clearing, establishment of camps, structures and other infrastructure did not occur during the installation of groundwater monitoring wells. Existing roads were used to transport equipment onsite.

No Land Use Permit fees were required as the Government of the Northwest Territories is the permit holder.

This memo summarizes the information required for the closure of the LUP. If you have any questions, please contact me at 867-767-9236 ext. 53183 or by email at [Mischelle Remigio@gov.nt.ca](mailto:Mischelle.Remigio@gov.nt.ca).

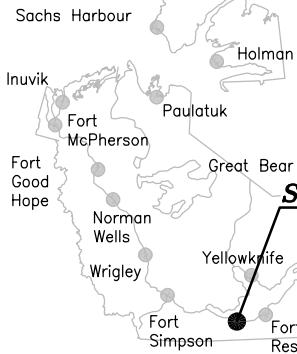
Sincerely,

Mischelle Remigio
Contaminated Sites Project Officer
Environmental Protection & Waste Management Division
Environment and Climate Change

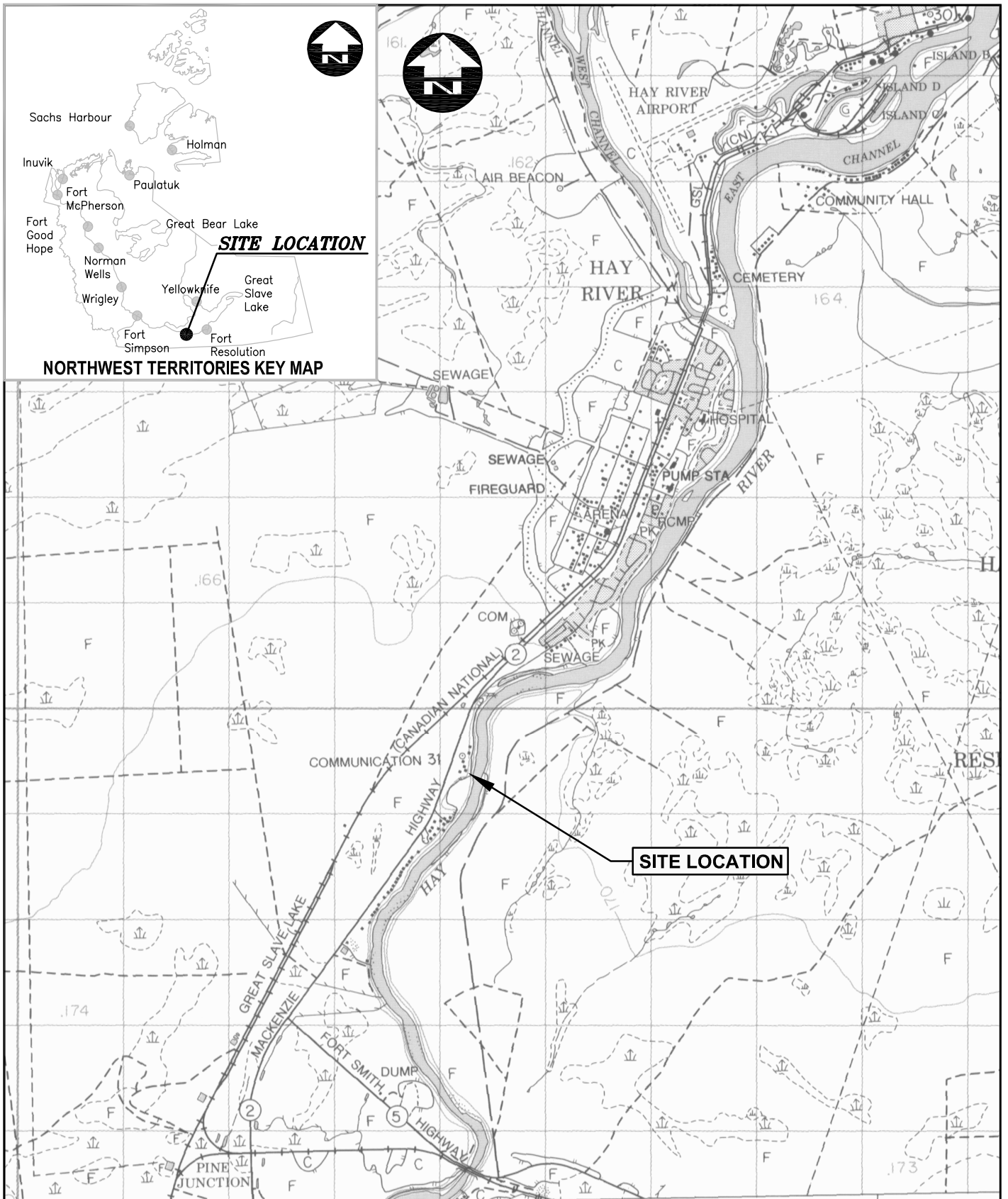
Attachments:

Figure 1 – Hay River Helibase Site Location

Figure 2 – Borehole and Groundwater Monitoring Well Locations Map



NORTHWEST TERRITORIES KEY MAP



SCALE 1:50,000
0 250 500 1000m

MAP/DRAWING INFORMATION
National Topographic System Mapsheet 85B/13.



PROJECT

**NORTHWEST TERRITORIES
HAY RIVER HELIBASE, HAY RIVER, NT
PHASE III ESA and RAP**

PROJECT NO.

18-8345

TITLE

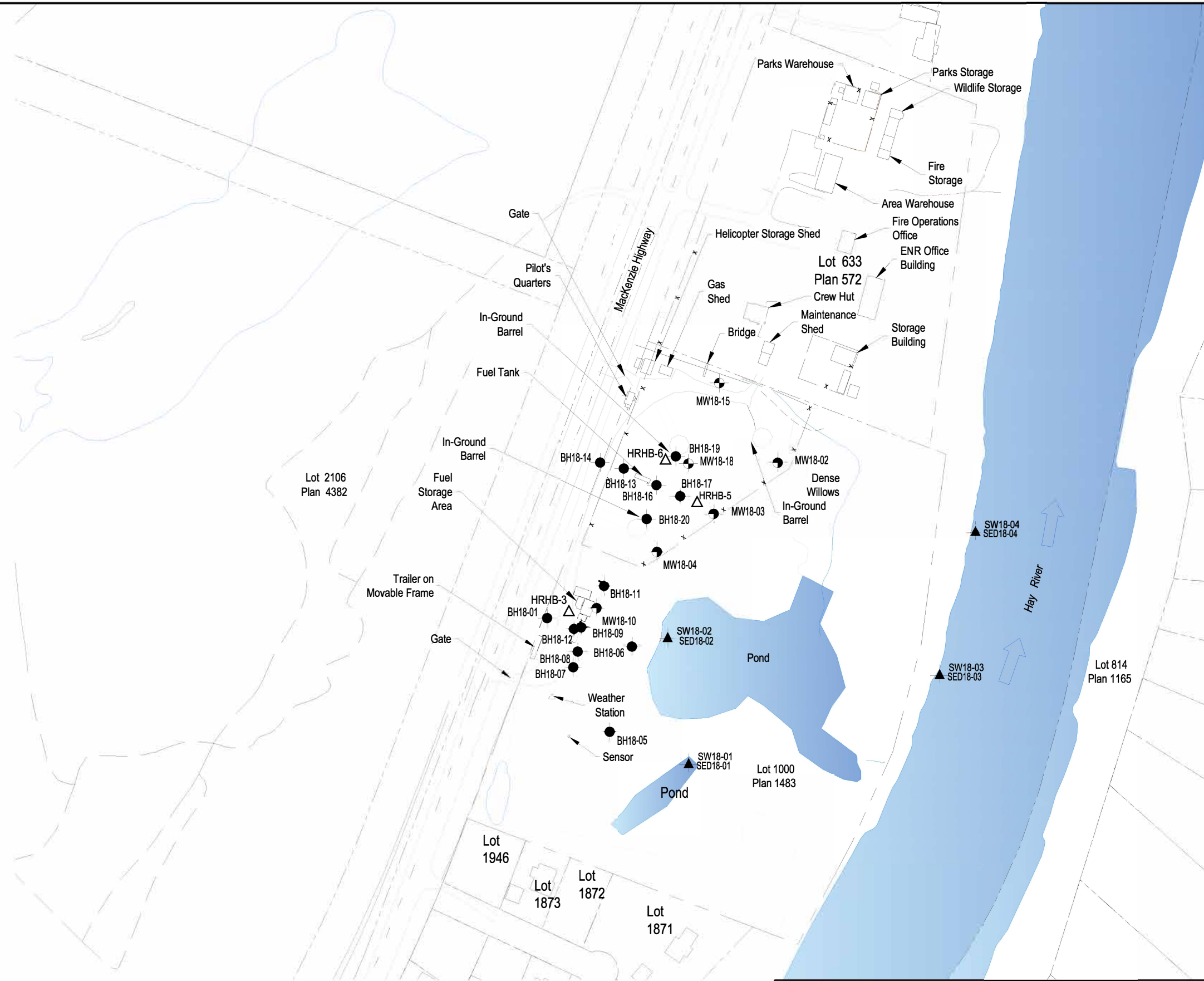
SITE LOCATION MAP

FIGURE NO.

1

DATE


JANUARY 2019



- LEGEND**
- SUBJECT PROPERTY BOUNDARY
 - PROPERTY BOUNDARY
 - EXISTING STRUCTURE A/G
 - FENCE LINE
 - WATERCOURSE
 - EDGE OF ROADWAY
 - GRAVEL ROADWAY
 - TRAIL
 - DITCH
 - DIRECTION OF FLOW
 - 2018 MONITORING WELL LOCATION
 - 2018 BOREHOLE LOCATION
 - HELIPAD LOCATIONS
 - TEST PIT LOCATIONS (DILLON, 2004)
 - SEDIMENT/SURFACE WATER SAMPLE



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 DILLON CONSULTING	PROJECT NORTHWEST TERRITORIES HAY RIVER HELIBASE, HAY RIVER, NT PHASE III ESA and RAP	PROJECT NO. 18-8345
	DATE JANUARY 2019	TITLE SITE PLAN