FIGURES

Cambridge Bay
Gjoa Haven
Kugaaruk
Repulse Bay

Project Location

NUNAVUT

Baker Lake
Chesterfield Inlet
Rankin Inlet
Whale Cove
Arviat

bing

0   250   500 km

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

N
W   E
S

0   250   500 Meters

1:10,000

CLIENT

**Public Services and
Procurement Canada**

PROJECT

**Environmental Impact Assessment
Pelly Lake Airstrip and
Former Fuel Cache Site, Nunavut**

TITLE

Site Location Map

PROJECT #	DATE		
220515	**November 02, 2023**		
DRAWN	CHECKED	FIG NO.	REV
MB	**JK**	**01**	**0**

LEGEND

— Approximate Alignment of Airstrip
— Stream outline
→ Direction of Stream Flow

Landing Lakes Area

Campsite Area Pond
Outlet Stream

Drinking Water Lake
Inlet Stream

Drinking Water Lake

Campsite Area Pond

Campsite Area Pond
Inlet Stream

Drinking Water Lake
Outlet Stream

REFERENCES

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

0   140   280 Meters

1:7,000

CLIENT

**Public Services and
Procurement Canada**

PROJECT

**Environmental Impact Assessment
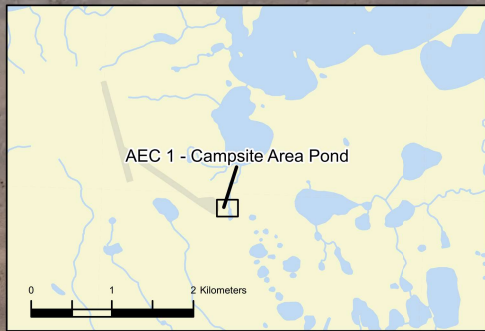Pelly Lake Airstrip and
Former Fuel Cache Site, Nunavut**

TITLE

Site Features

BluMetric™
Environmental

4916 49th Street,
PO Box 11086
Yellowknife, NT, X1A 1P3
TEL: (867) 873-3500
FAX: (867) 873-3499
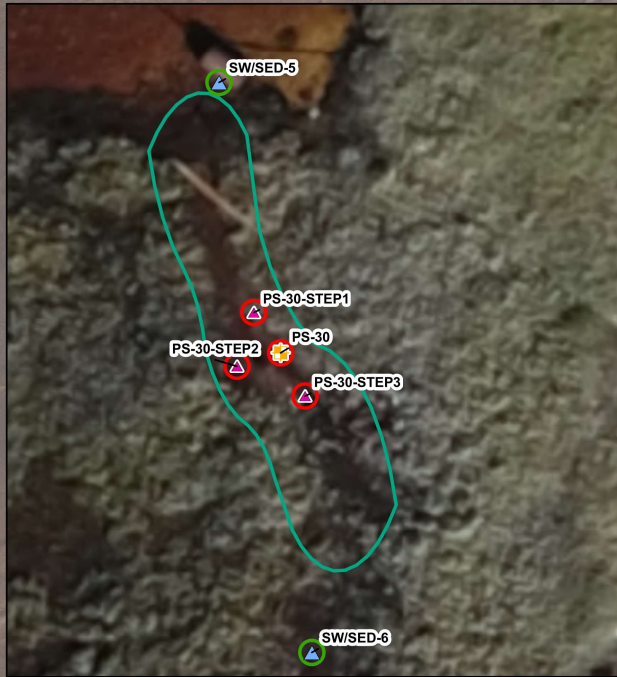Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220515	**November 02, 2023**

DRAWN	CHECKED	FIG NO.	REV
MB	**JK**	**02**	**0**

SW/SED-1 North of AEC 1

AEC 1 - Campsite Area Pond

0   1   2 Kilometers

COC	Unit	PS30	PS30 – STEP 1	PS30 – STEP 2	PS30 – STEP 3	SED5	SED6	PW3	PW5
Lead (Pb)	mg/kg	4385	1740	7540	2720	60.2	14.8	0.97	0.95

COC	Unit	SED1	SED 2	SED 3	SED 4
Lead (Pb)	mg/kg	0.84	1.26	3.53	3.62

LEGEND

- Extent of sediment impacts exceeding the Probable Effects Level
- ▲ Surface Water Sample Location
- Historic Sediment
- ▲ Historical Sediment/Surface Water
- ▲ Stepout Sediment
- ◯ Sample Below Guidelines
- ◯ Sample Above Guidelines

Parameter	Probable Effects Level
Lead	91.3
All units are in mg/kg	
Bold and grey indicates value exceeded guideline value	

1			
REV.	DESCRIPTION	YY/MM/DD	BY	CHK

0   15   30 Meters

1:781

CLIENT

Public Services and Procurement Canada

PROJECT

Environmental Impact Assessment Pelly Lake Airstrip and Former Fuel Cache Site, Nunavut

TITLE

Impacted Sediment

BluMetric™ Environmental

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PROJECT #	DATE
220515	**March 06, 2023**

DRAWN	CHECKED	FIG NO.	REV
PB	**KC**	**00**	**1**

AOC 1 – Campsite Area

1				
REV.	DESCRIPTION	YY/MM/DD	BY	CHK

REFERENCES

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0   25   50 Metres

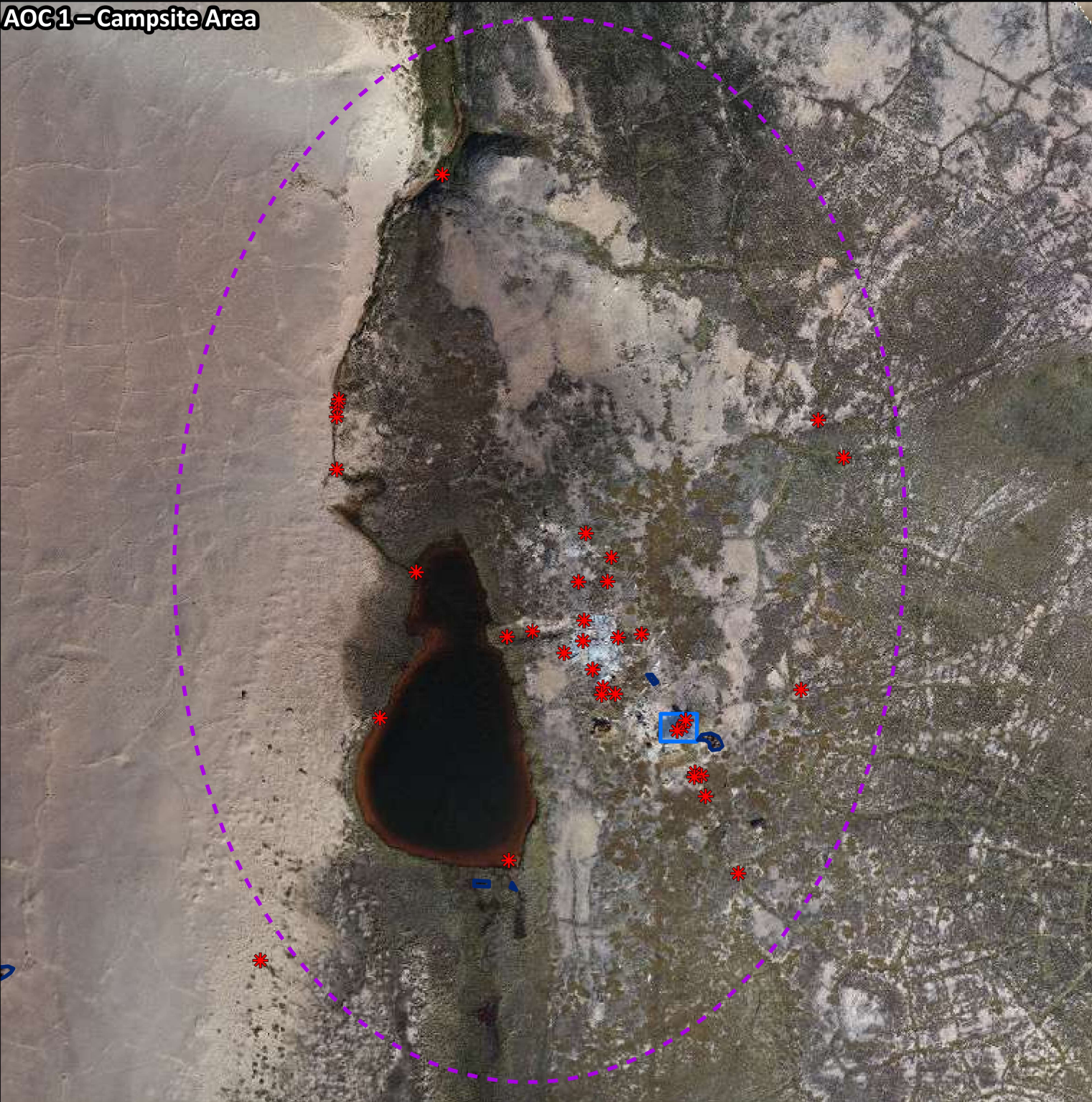**1:1,250**

CLIENT

Public Services and Procurement Canada

PROJECT

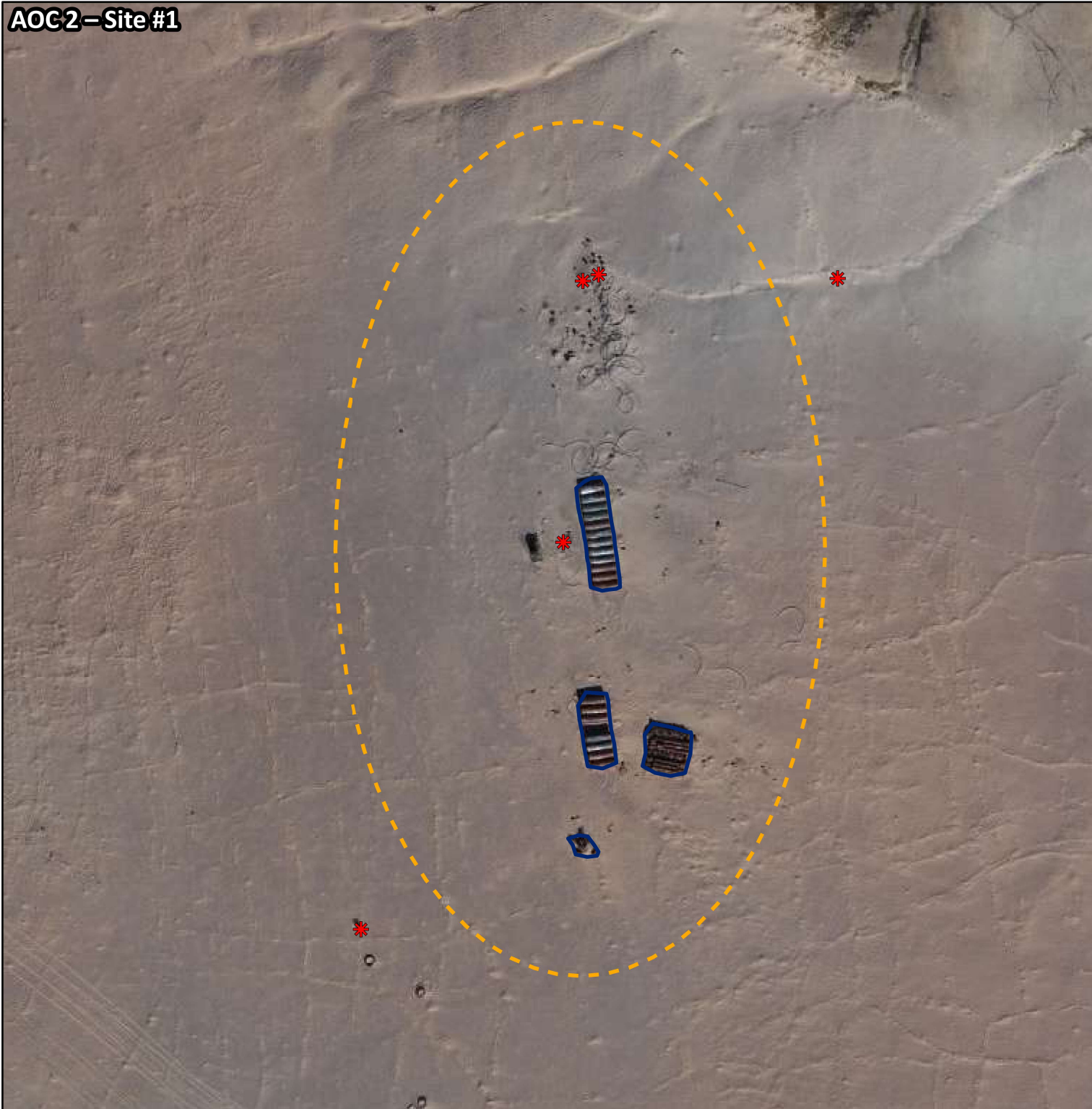## Environmental Impact Assesment, Pelly Lake Former Airstrip and Former Fuel Cache Site, Nunavut

TITLE

Debris in AOC 1 - Campsite Area

BluMetric™
Environmental

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PROJECT #		DATE	
220515		**November 02, 2023**	
DRAWN	CHECKED	FIG NO.	REV
MB	**JB**	**04a**	**0**

AOC 2 – Site #1

LEGEND

Approximate Alignment of Airstrip

Barrel/Tank Sample Location

Barrel Areas

Building

Area of Concern

AOC 1 - Campsite Area

AOC 2 - Site #1

AOC 3 - Site #2

AOC 4 - Drinking Water Lake

1				
REV.	DESCRIPTION	YY/MM/DD	BY	CHK

REFERENCES

0   15   30 Metres

1:800

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Public Services and Procurement Canada

PROJECT

Environmental Impact Assessment, Pelly Lake Former Airstrip and Former Fuel Cache Site, Nunavut
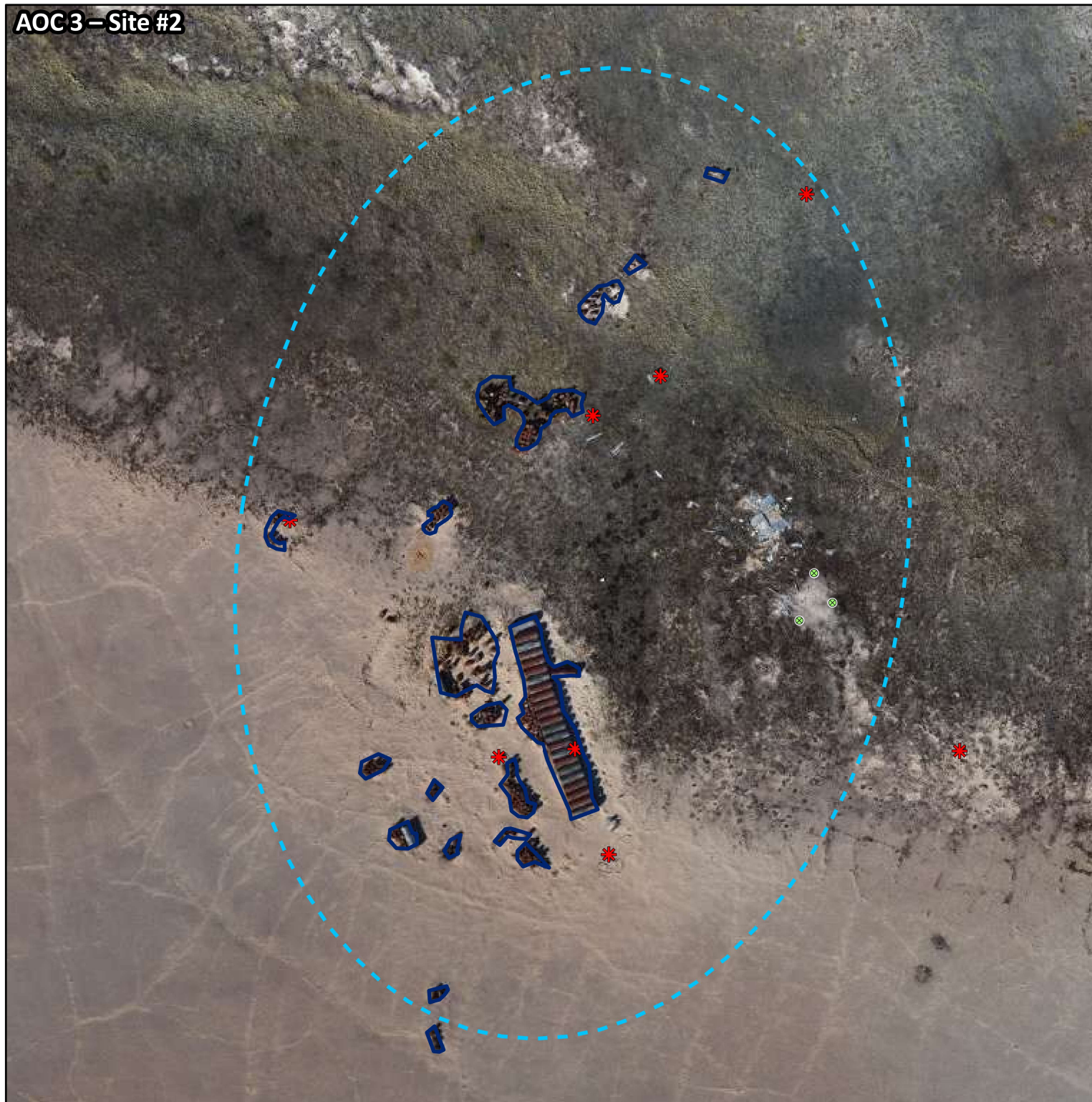
TITLE

Debris in AOC 2 - Site #1

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BluMetric™ Environmental

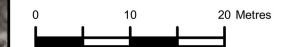| PROJECT #		DATE	
220515		**November 02, 2023**	
DRAWN	CHECKED	FIG NO.	REV
MB	**JB**	**04b**	**0**

AOC 3 – Site #2

LEGEND

— Approximate Alignment of Airstrip

✳ Barrel/Tank Sample Location

▢ Barrel Areas

▢ Building

Area of Concern

▦ AOC 1 - Campsite Area
▦ AOC 2 - Site #1
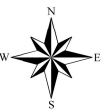▦ AOC 3 - Site #2
▦ AOC 4 - Drinking Water Lake

| 1 | | | | |
| REV. | DESCRIPTION | YY/MM/DD | BY | CHK |

REFERENCES

0   10   20 Metres

1:800

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**Public Services and
Procurement Canada**

PROJECT

**Environmental Impact Assessment,
Pelly Lake Former Airstrip and
Former Fuel Cache Site, Nunavut**

TITLE

Debris in AOC 3 - Site #2

BluMetric™
Environmental

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PROJECT #		DATE	
220515		**November 02, 2023**	
DRAWN	CHECKED	FIG NO.	REV
MB	**JB**	**04c**	**0**

AOC 4 – Drinking Water Lake

1			
REV.	DESCRIPTION	YY/MM/DD	BY CHK

REFERENCES

0   25   50 Metres

1:2,000

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**Public Services and
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PROJECT

**Environmental Impact Assessment,
Pelly Lake Former Airstrip and
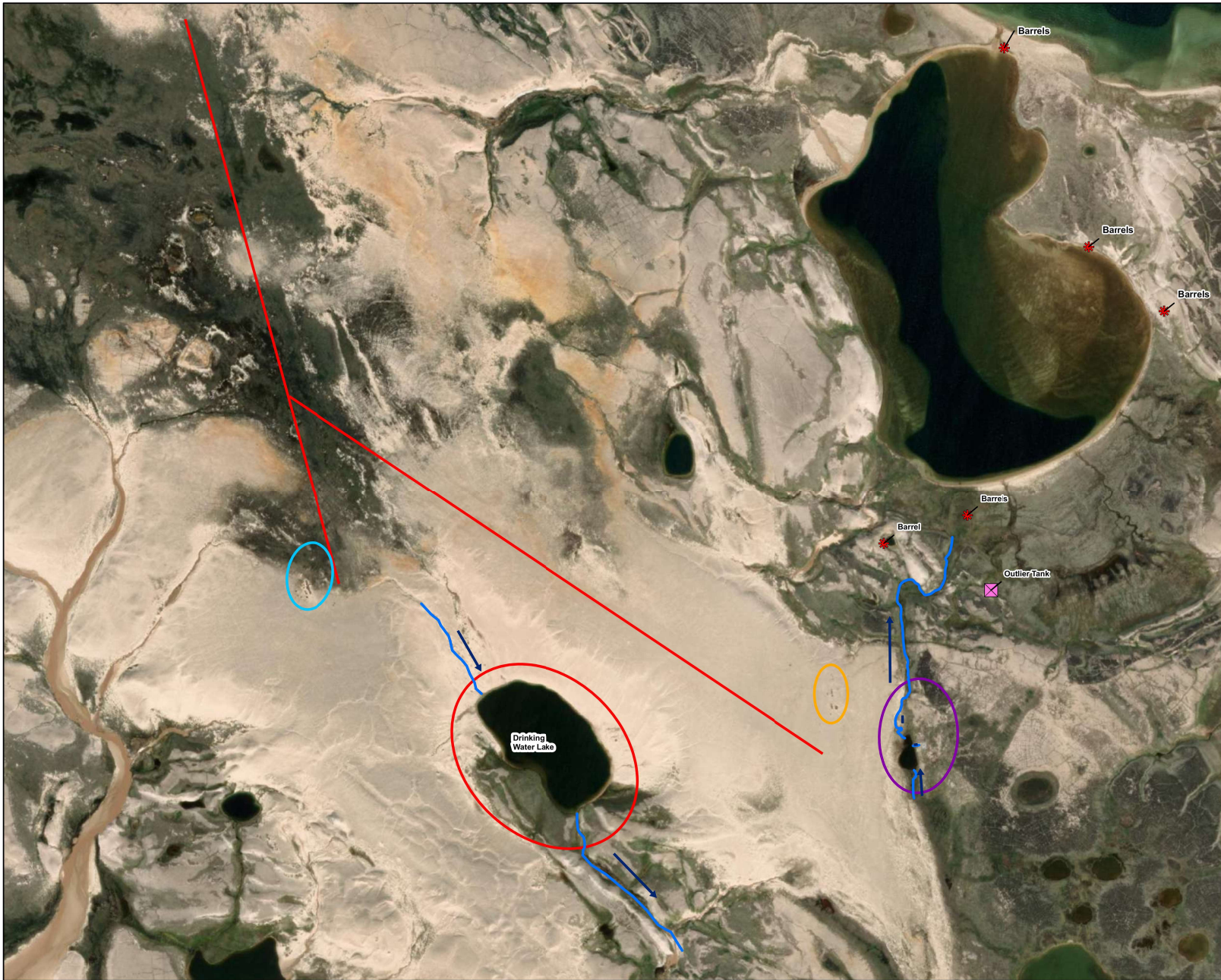Former Fuel Cache Site, Nunavut**

TITLE

Debris in AOC 4 - Drinking Water Lake

PROJECT #		DATE	
220515		**November 02, 2023**	
DRAWN	CHECKED	FIG NO.	REV
MB	**JB**	**04d**	**0**

LEGEND

Areas Of Concern

- AOC 1 - Campsite Area
- AOC 2 - Site #1
- AOC 3 - Site #2
- AOC 4 - Drinking Water Lake

✳ Barrels

⊠ Outlier Tank

— Approximate Alignment of Airstrip

— Stream outline

→ Direction of Stream Flow

1				
REV.	DESCRIPTION	YY/MM/DD	BY	CHK

0   160   320 Meters

1:8,000

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Public Services and Procurement Canada

PROJECT

**Environmental Impact Assessment
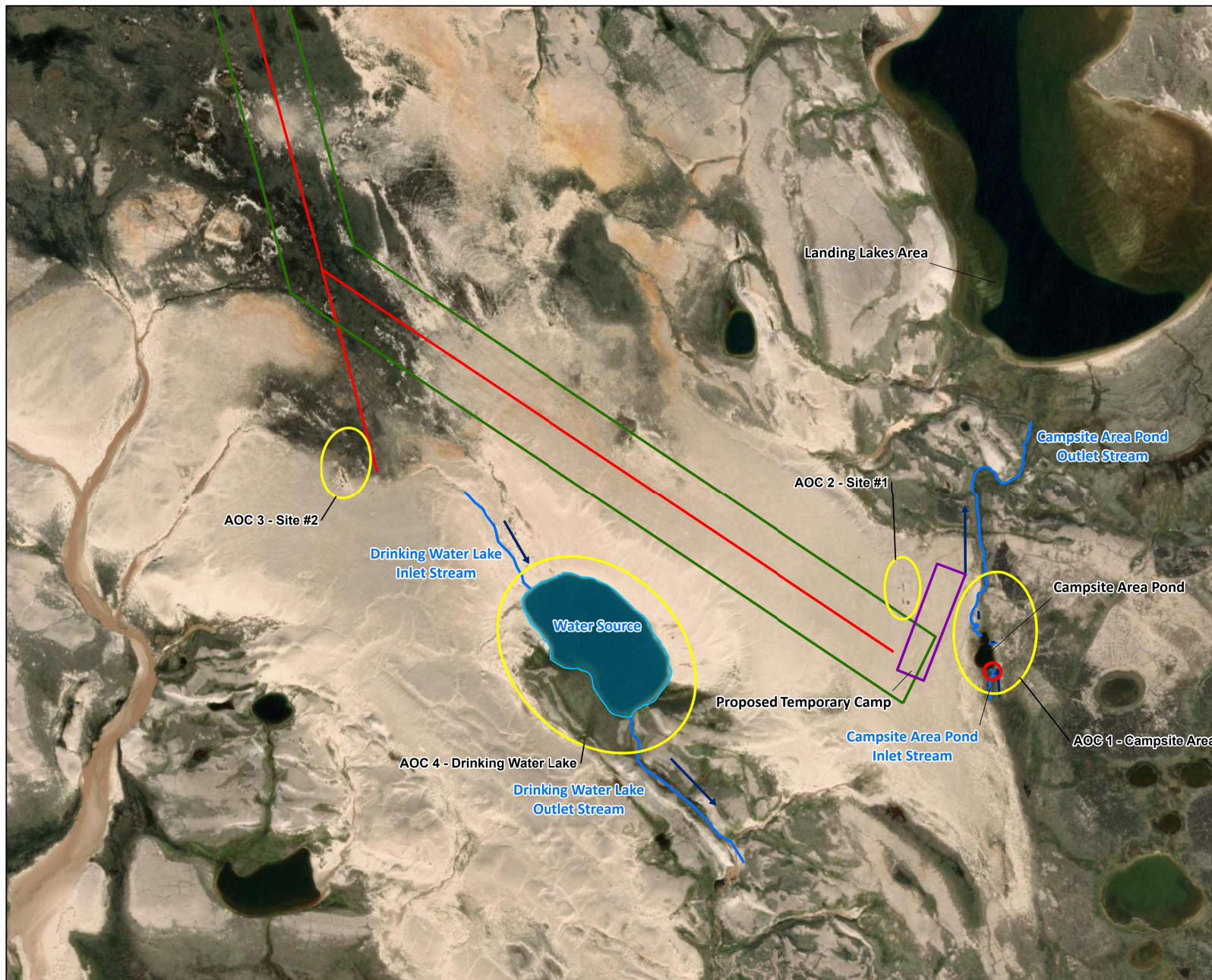Pelly Lake Airstrip and
Former Fuel Cache Site, Nunavut**

TITLE

Debris Outside AOCs

BluMetric™
Environmental

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PROJECT #		DATE	
220515		**December 06, 2023**	
DRAWN	CHECKED	FIG NO.	REV
PB	**JK**	**04e**	**0**

LEGEND

⭕ Impacted Sediment Sample

— Approximate Alignment of Airstrip

— Stream outline

→ Direction of Stream Flow

▭ Approximate Boundaries of Airstrip (From Air Photographs)

▭ Areas of Concern

▭ Proposed Temporary Camp including Fuel Storage and Staging Areas

▬ Water Source

Landing Lakes Area

Campsite Area Pond Outlet Stream

AOC 2 - Site #1

AOC 3 - Site #2

Drinking Water Lake Inlet Stream

Water Source

Campsite Area Pond

Proposed Temporary Camp

Campsite Area Pond Inlet Stream

AOC 1 - Campsite Area

AOC 4 - Drinking Water Lake

Drinking Water Lake Outlet Stream

AOC 3 - Site #2

AOC 2 - Site #1

AOC 1 - Campsite Area

AOC 4 - Drinking Water Lake

LEGEND

——	Approximate Alignment of Airstrip	⬭	AOC 1 - Campsite Area
⬛	Borrow Sources	⬭	AOC 2 - Site #1
		⬭	AOC 3 - Site #2
		⬭	AOC 4 - Drinking Water Lake

1				
REV.	DESCRIPTION	YY/MM/DD	BY	CHK

REFERENCES

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0   100   200 Metres

1:5,000

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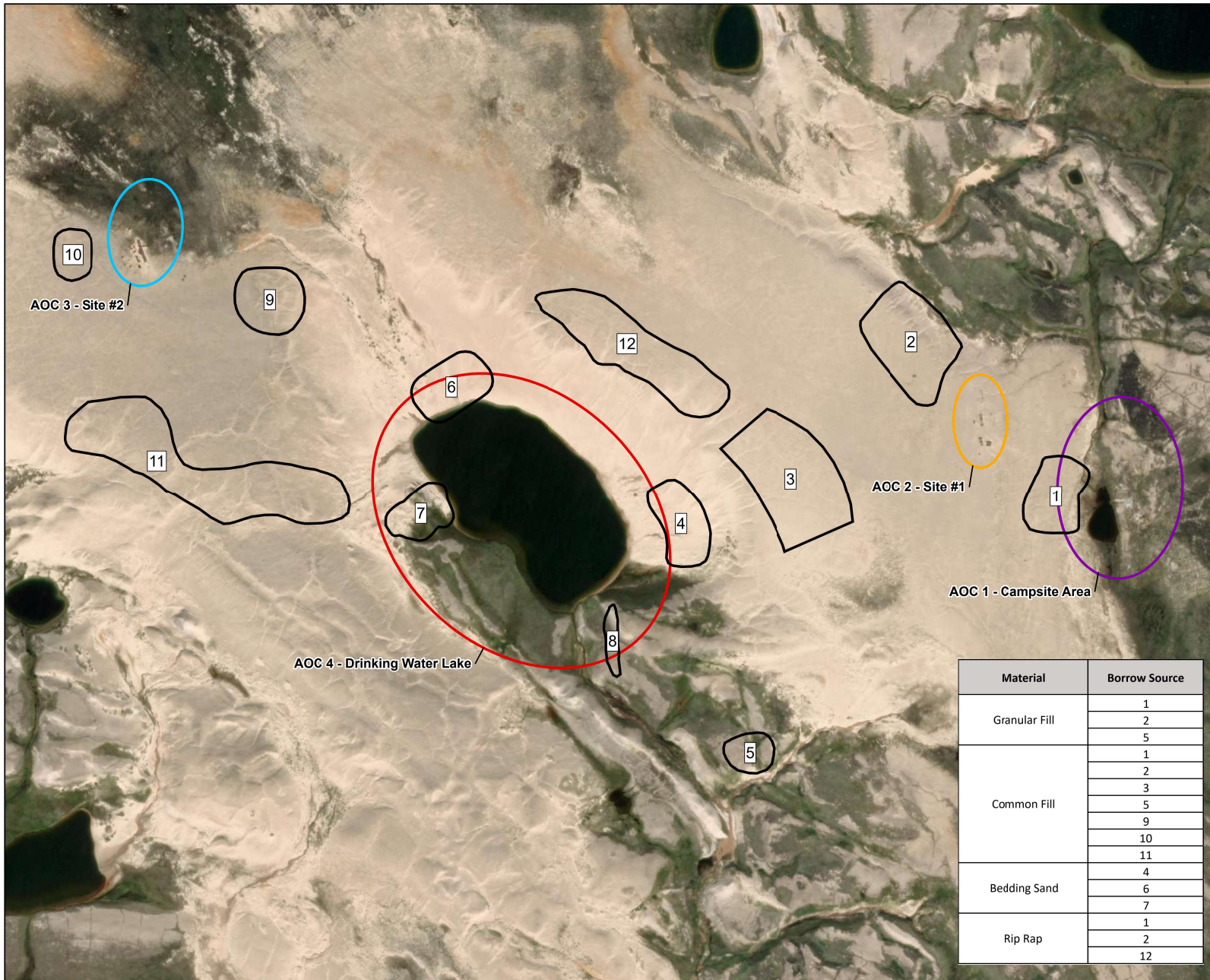**Environmental Impact Assessment Pelly Lake Airstrip and Former Fuel Cache Site, Nunavut**

TITLE

Potential Borrow Source Locations

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PROJECT #		DATE	
220515		**December 04, 2023**	
DRAWN	CHECKED	FIG NO.	REV
MB	**JB**	**06**	**0**

Material	Borrow Source
Granular Fill	1
	2
	5
Common Fill	1
	2
	3
	5
	9
	10
	11
Bedding Sand	4
	6
	7
Rip Rap	1
	2
	12