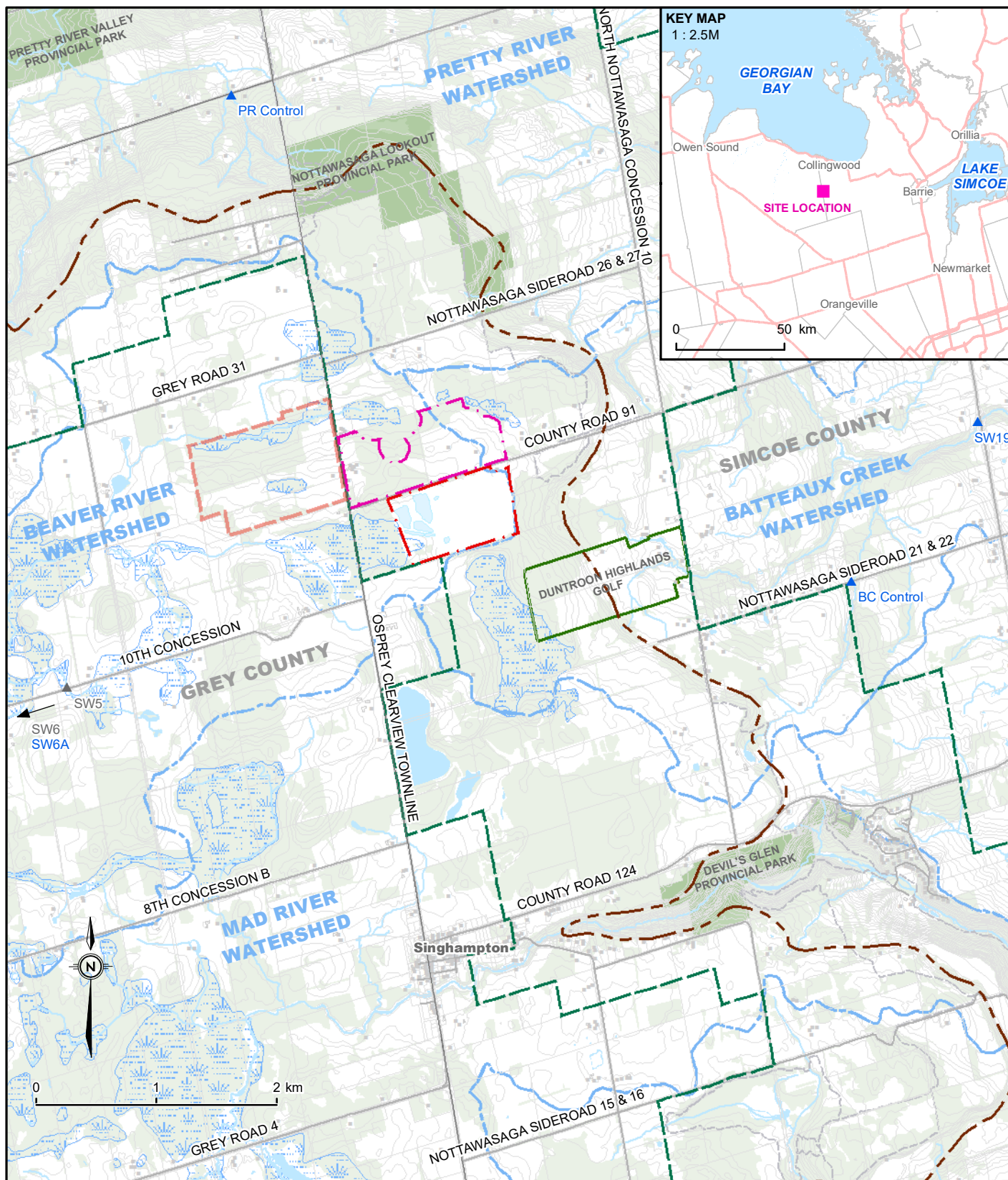


FIGURES





LEGEND

- EXTENSION QUARRY LICENSED AREA
- OLD QUARRY LICENSED AREA
- OSPREY QUARRY (ST. MARY'S CEMENT) LICENSED AREA
- NIAGARA ESCARPMENT COMMISSION POLICY AREA
- APPROX. NIAGARA ESCARPMENT

NAD 1983 UTM Zone 17N

SITE LOCATION MAP

2022 ANNUAL SUMMARY AND PERFORMANCE
REPORT
DUNTROON QUARRY
For Walker Aggregates Inc.

DATE: MARCH 2023

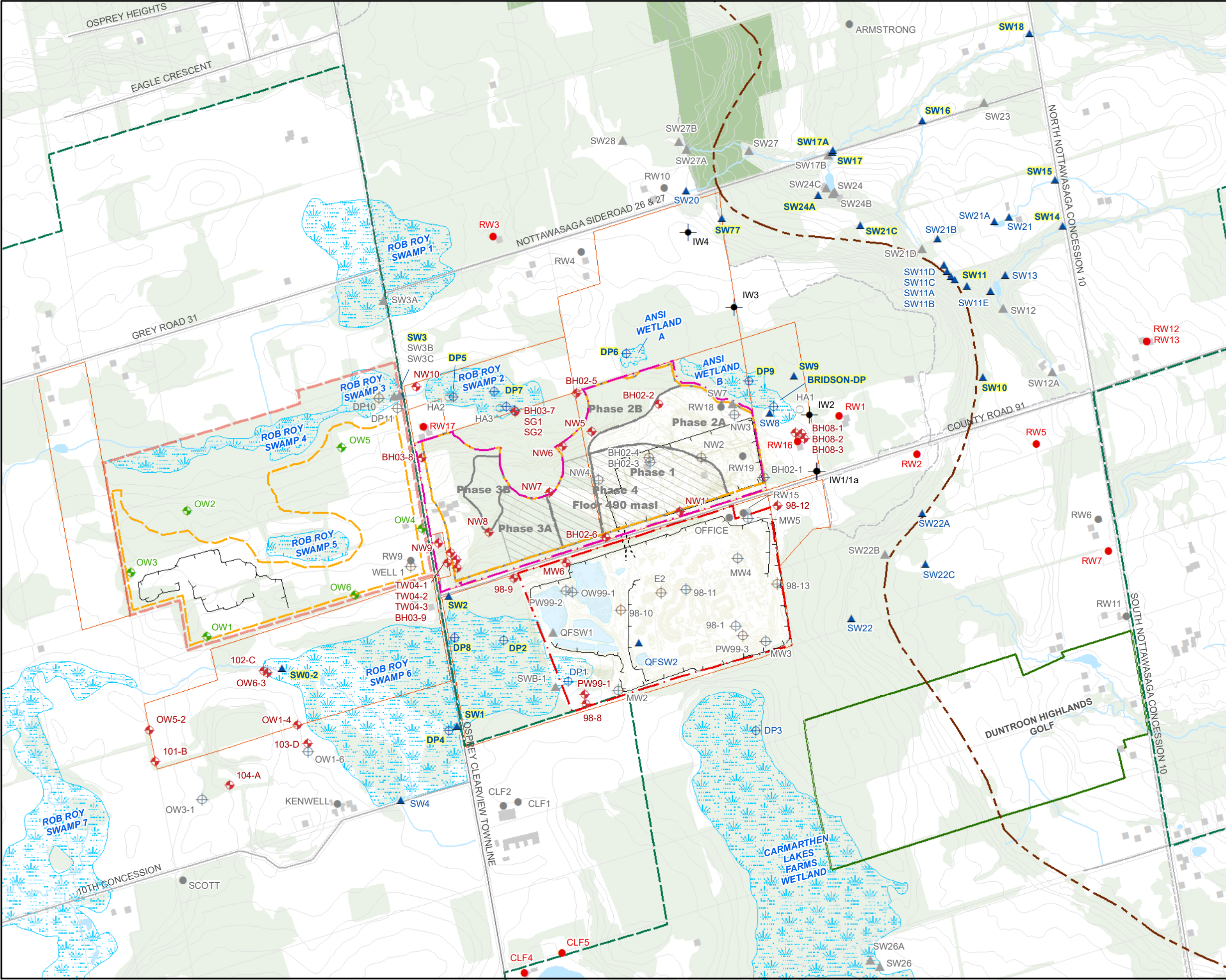
PROJECT: 111-53312-09



SCALE: 1 : 45,000

DRAWN BY: JLD

FIGURE No: **1**



LEGEND

- EXTENSION QUARRY LICENSED AREA
- LIMIT OF EXTRACTION
- OLD QUARRY LICENSED AREA
- OTHER LANDS OWNED BY WAI
- OSPREY QUARRY LICENSED AREA (ST. MARY'S CEMENT)
- APPROX. WORKING FACE
- NIAGARA ESCARPMENT COMMISSION POLICY AREA
- APPROX. NIAGARA ESCARPMENT
- WETLAND
- WOODLOT
- MONITORING WELL
- HISTORICAL MONITORING WELL
- OSPREY QUARRY MONITORING WELL
- INJECTION WELL
- DRIVEPOINT
- HAND-AUGER
- DOMESTIC WELL
- HISTORIAL DOMESTIC WELL
- SURFACE WATER STATION
- HISTORICAL SURFACE WATER STATION

NOTE:
YELLOW HIGHLIGHT INDICATES SURFACE WATER STATION IS ASSOCIATED WITH FLOW / TEMPERATURE TRIGGER, DRIVEPOINT IS ASSOCIATED WITH WATER LEVEL TRIGGER.

0 300 600 m

NAD 1983 UTM Zone 17N

SITE PLAN

2022 ANNUAL SUMMARY AND PERFORMANCE REPORT DUNTROON QUARRY For Walker Aggregates Inc.	
DATE:	MARCH 2023
PROJECT:	111-53312-09
SCALE:	1 : 15,000
DRAWN BY:	JLD
FIGURE No:	2



55 KING STREET, SUITE 600
ST. CATHARINES, ON L7R 3H5
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LEGEND

EXTENSION QUARRY LICENSED AREA

LIMIT OF EXTRACTION

NOTE:
SITE AERIAL PHOTOGRAPH OBTAINED DURING
NOVEMBER 2021 DRONE SURVEY.

0150300 m

NAD 1983 UTM Zone 17N

2022 QUARRY
CONFIGURATION

2022 ANNUAL SUMMARY AND PERFORMANCE
REPORT
DUNTROON QUARRY
For Walker Aggregates Inc.

DATE:
MARCH 2023

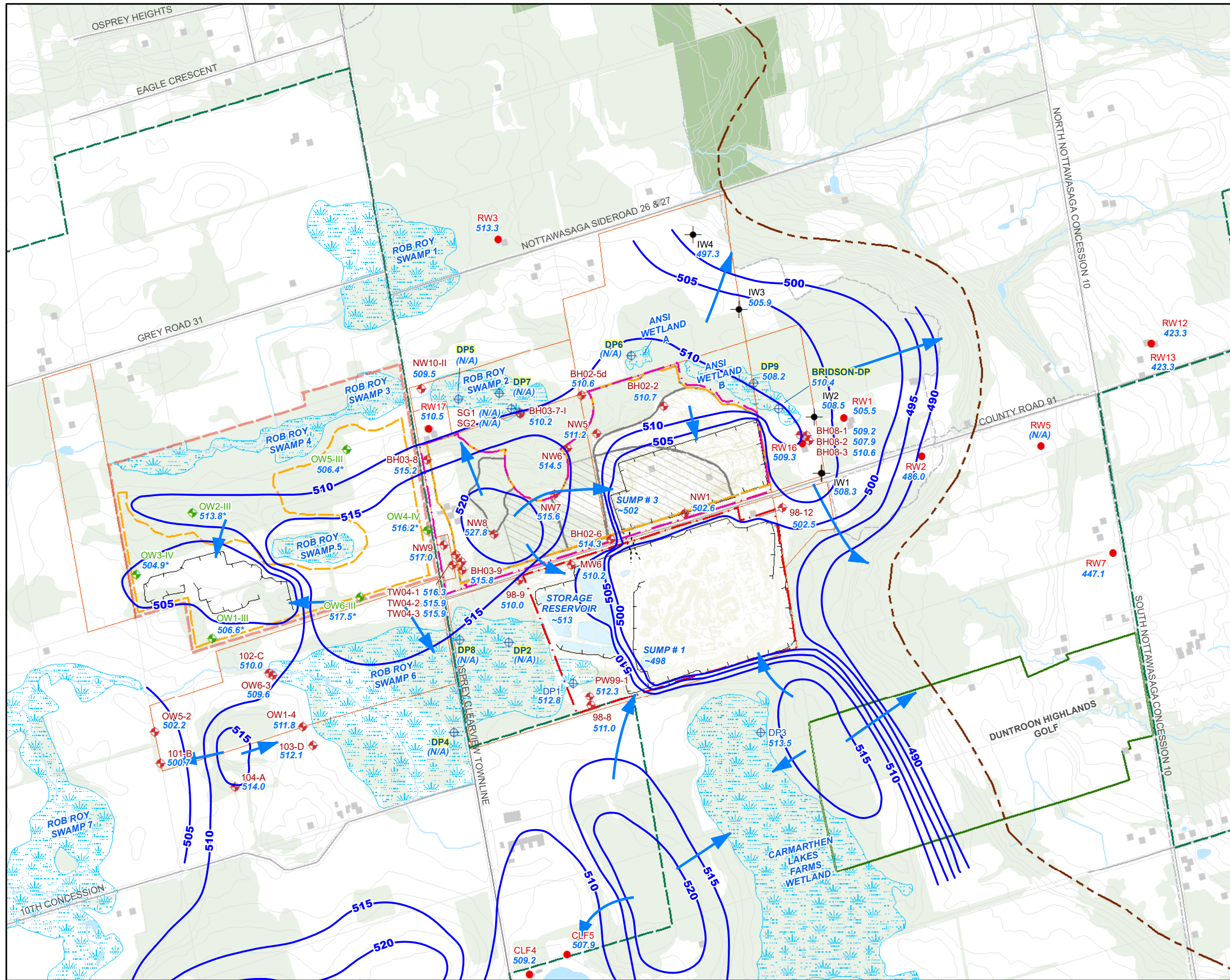
PROJECT:
111-53312-09

SCALE:
1 : 6,000

DRAWN BY:
JLD

55 KING STREET, SUITE 600
ST. CATHARINES, ON L7R 3H5
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FIGURE No:
2A



LEGEND

EXTENSION QUARRY LICENSED AREA

LIMIT OF EXTRACTION

OLD QUARRY LICENSED AREA

OTHER LANDS OWNED BY WAI

OSPREY QUARRY LICENSED AREA (ST. MARY'S CEMENT)

APPROX. WORKING FACE

NIAGARA ESCARPMENT COMMISSION POLICY AREA

APPROX. NIAGARA ESCARPMENT

WETLAND

WOODLOT

MONITORING WELL

OSPREY QUARRY MONITORING WELL

INJECTION WELL

DRIVEPOINT

DOMESTIC WELL

500.7 WATER LEVEL ELEVATION, APRIL 2022 (mASL)

INTERPRETED BEDROCK GROUNDWATER CONTOUR, 5m INTERVALS (mASL)

INFERRED GROUNDWATER FLOW DIRECTION

NOTES:
YELLOW HIGHLIGHT INDICATES DRIVEPOINT IS ASSOCIATED WITH WATER LEVEL TRIGGER.
* OSPREY QUARRY AVERAGE APRIL 2020 WATER LEVEL ELEVATIONS SHOWN.

N

0

300

600 m

NAD 1983 UTM Zone 17N

BEDROCK GROUNDWATER LEVELS - APRIL 2022

2022 ANNUAL SUMMARY AND PERFORMANCE REPORT

DUNTROON QUARRY

For Walker Aggregates Inc.

DATE:

MARCH 2023

PROJECT:

111-53312-09

SCALE:

1 : 15,000

DRAWN BY:

JLD

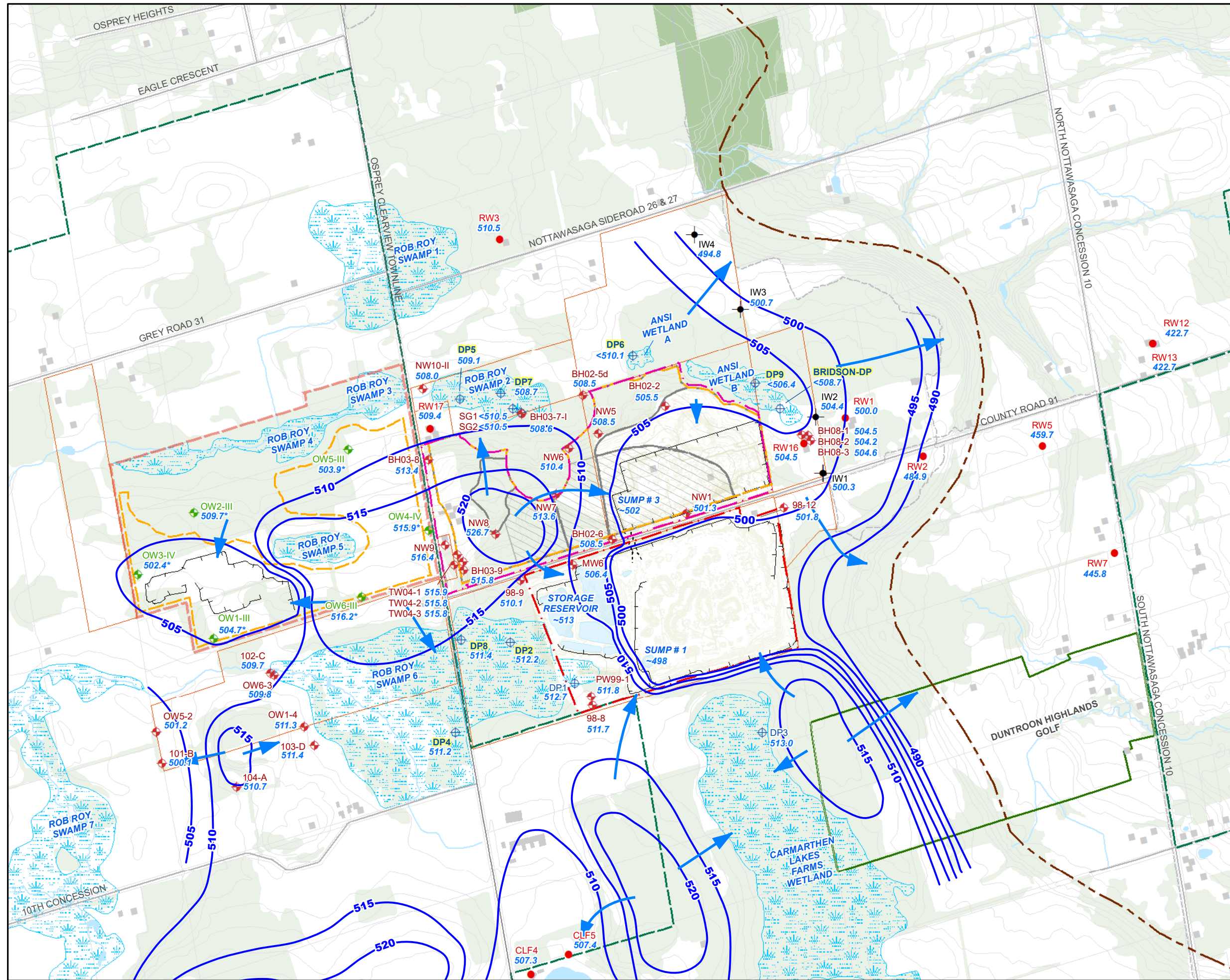
WSP

55 KING STREET, SUITE 600
ST. CATHARINES, ON L7R 3H5
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FIGURE No:

3

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LEGEND

EXTENSION QUARRY LICENSED AREA

LIMIT OF EXTRACTION

OLD QUARRY LICENSED AREA

OTHER LANDS OWNED BY WAI

OSPREY QUARRY LICENSED AREA (ST. MARY'S CEMENT)

APPROX. WORKING FACE

NIAGARA ESCARPMENT COMMISSION POLICY AREA

APPROX. NIAGARA ESCARPMENT

WETLAND

WOODLOT

MONITORING WELL

OSPREY QUARRY MONITORING WELL

INJECTION WELL

DRIVEPOINT

DOMESTIC WELL

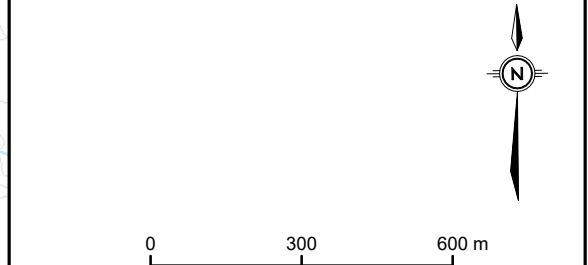
500.7

WATER LEVEL ELEVATION, APRIL 2022 (mASL)

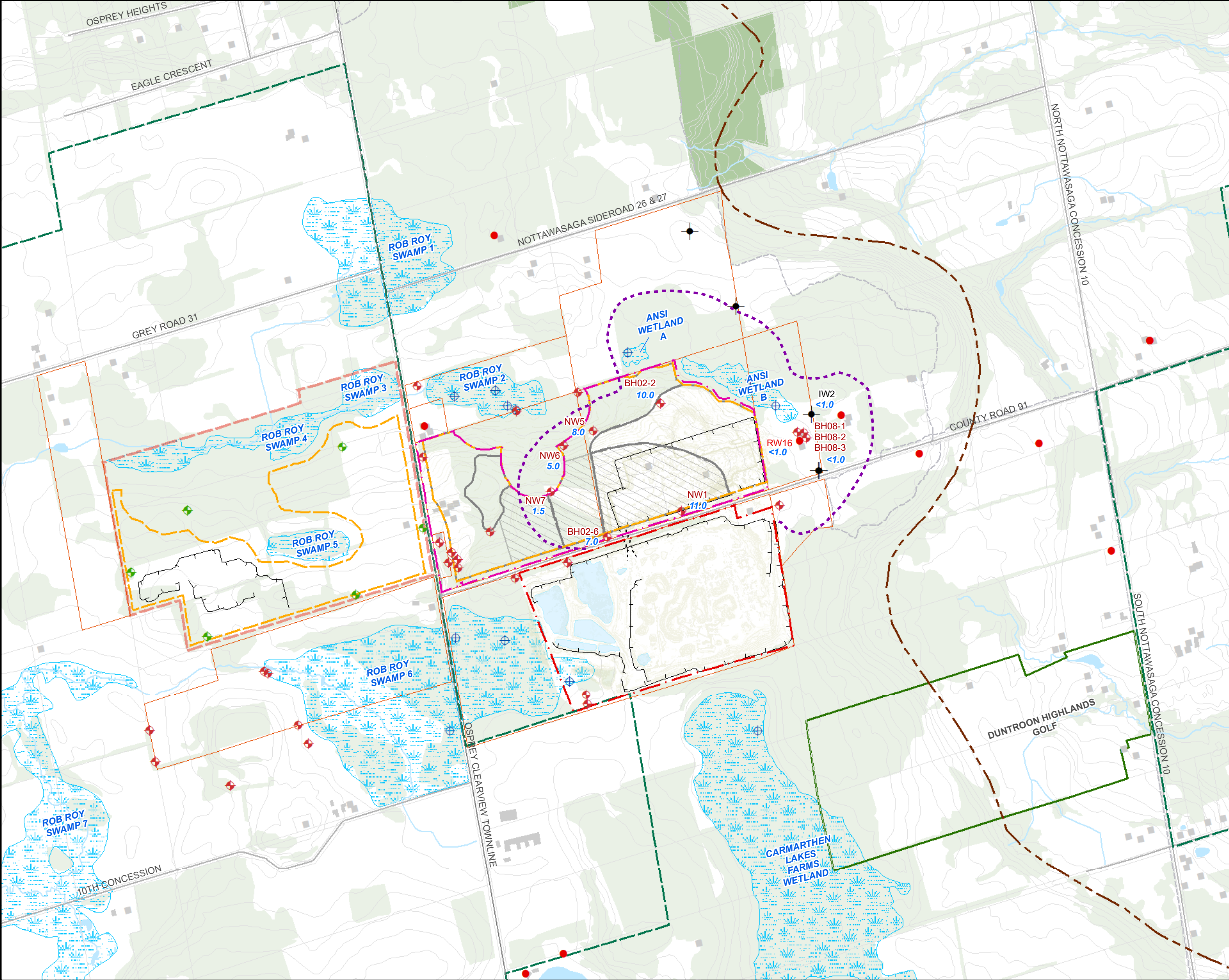
INTERPRETED BEDROCK GROUNDWATER CONTOUR, 5m INTERVALS (mASL)

INFERRED GROUNDWATER FLOW DIRECTION

NOTES:
YELLOW HIGHLIGHT INDICATES DRIVEPOINT IS ASSOCIATED WITH WATER LEVEL TRIGGER.
* OSPREY QUARRY AVERAGE OCTOBER 2020 WATER LEVEL ELEVATIONS SHOWN.



NAD 1983 UTM Zone 17N	
BEDROCK GROUNDWATER LEVELS - OCTOBER 2022	
2022 ANNUAL SUMMARY AND PERFORMANCE REPORT DUNTROON QUARRY For Walker Aggregates Inc.	
DATE:	MARCH 2023
PROJECT:	111-53312-09
SCALE:	1 : 15,000
DRAWN BY:	JLD
FIGURE No:	4



LEGEND

EXTENSION QUARRY LICENSED AREA

LIMIT OF EXTRACTION

OLD QUARRY LICENSED AREA

OTHER LANDS OWNED BY WAI

OSPREY QUARRY LICENSED AREA (ST. MARY'S CEMENT)

APPROX. WORKING FACE

NIAGARA ESCARPMENT COMMISSION POLICY AREA

APPROX. NIAGARA ESCARPMENT

WETLAND

WOODLOT

MONITORING WELL

OSPREY QUARRY MONITORING WELL

INJECTION WELL

DRIVEPOINT

DOMESTIC WELL

<1.0

ESTIMATED DRAWDOWN (m)

PREDICTED LIMIT OF DRAWDOWN DURING PHASE 2A EXTRACTION (WSP, SEPTEMBER 2021)

NOTE:
ONLY LOCATIONS WHERE DRAWDOWN IS ESTIMATED TO HAVE OCCURRED ARE LABELLED.

N

0300600 m

NAD 1983 UTM Zone 17N

INTERPRETED ZONE OF INFLUENCE

2022 ANNUAL SUMMARY AND PERFORMANCE REPORT
DUNTROON QUARRY
For Walker Aggregates Inc.

DATE:
MARCH 2023

PROJECT:
111-53312-09

SCALE:
1 : 15,000

DRAWN BY:
JLD

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FIGURE No:
5

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