



15 June 2015

STAGE 2 ARCHAEOLOGICAL ASSESSMENT

**Nyon Energy Park,
Site A,
Part of Lots 16, 17, 18 and 19,
Concession 5,
City of Port Colborne,
R.M. of Niagara, Ontario**

Submitted to:

Gordon R. Baker, Q.C., President,
Nyon Marine Fuelling Corp.,
2 Lombard Street, Suite 200,
Toronto, ON
M5C 1M1

REVISED REPORT

Licensee: Barbara Leskovec, M.A., Golder Associates Ltd.

License Number: P346

PIF Number P346-0022-2013

Report Number: 1111540075-2000

Distribution:

1 PDF Copy - Nyon Marine Fuelling Corp.
1 PDF Copy - Ontario Ministry of Tourism, Culture
and Sport
2 Hard Copies - Golder Associates Ltd.





Executive Summary

The Executive Summary highlights key points from the report only; for complete information and findings, as well as the limitations, the reader should examine the complete report.

This Stage 2 archaeological assessment was conducted on behalf of Nyon Marine Fuelling Corp. (Nyon) by Golder Associates Ltd. (Golder) for an approximately 176 hectare property located on part of Lots 16, 17, 18 and 19, Concession 5, former Geographical Township of Humberstone, Welland County, now City of Port Colborne, R.M. of Niagara, Ontario. This assessment was conducted to assist with the modification of the existing Official Plan Amendment (OPA) and Zoning By-Law Amendment (ZBLA) applications as required by the *Ontario Planning Act* (1990) in order to redesignate these lands to provide for the development of an energy park. Recent changes in conceptual draft have reduced the size of the developable area within the study area boundaries, removing woodlot and wetland areas.

The Stage 1 archaeological assessment, accounting for a larger area (both Site A and Site B) than reported on here (see Golder 2012) resulted in the determination that the study area has been partially impacted by 20th century disturbance and modification through soil fill tailings deposition. Those areas that were deemed to retain archaeological potential comprised agricultural fields in the south-central and southeastern portion of the area referred to as Site A (the area north of Forks Road East) as well as bush lot and scrub areas in the southwestern (west of soil fill tailings), southeastern (south of Air Railway Line) and central northeastern areas of Site A (south of the soil fill tailings). As a result, Stage 2 archaeological assessment was recommended. The majority of the study area, the area of agricultural fields, was assessed through pedestrian survey at five-metre transect intervals that were intensified to one-metre intervals when archaeological resources were observed. The bush lot and scrub areas in the southwestern (west of soil fill tailings), southeastern (south of Air Railway Line) and central northeastern areas of Site A (south of the soil fill tailings) were assessed through test pit survey at five-metre intervals. Diagnostics and formal tools as well as artifacts sufficient to document site extents were mapped via GPS and collected for analysis. Over the course of the Stage 2 survey, 49 archaeological sites were documented.

Due to the lack of or diffuse nature of the identified artifacts at 24 of the 49 archaeological sites, they do not represent significant archaeological resources and their cultural heritage value or interest has been sufficiently documented through the Stage 2 archaeological assessment. **No further archaeological work is recommended for these sites.** Due to the high number, density or age of the identified artifacts at 25 of the 49 archaeological sites, they do represent significant archaeological resources and their cultural heritage value or interest has not been sufficiently documented through the Stage 2 archaeological assessment. **Stage 3 archaeological assessments are recommended for these sites prior to ground disturbance of the sites resulting from future development in the study area.**

The Environmental Protection (EP) Zone provides a protective buffer around the watercourse in the southeastern portion of the study area. This area was excluded from the study area for the Stage 1 archaeological assessment because these lands are not developable (Golder 2012 see also Section 2.1, Standard 2e of the *Standards and Guidelines* (MTCS 2011)). This area was also external to the study area as defined for this Stage 2 archaeological assessment. **Should future development be proposed that would impact this area it will require Stage 1 and 2 archaeological assessment.**



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

In email communication between Scott Martin of Golder and Malcolm Horne of MTCS (November 15, 2013), test pit survey was determined to be required in the area of the soil tailings of the eastern structure shown on the historic atlas map (Maps 4 and 5; Page 1876) and in-depth historical analysis was to be conducted to assess the potential that the western structure on the historic atlas map (Maps 4 and 5; Page 1876) might pre-date 1830. These combined approaches would offer insight into the remaining archaeological potential of the potential eastern and western structures.

All test pits in the vicinity of the eastern potential historic structure were found to be sterile of artifacts, however, subsoil was not encountered across the entire area around this eastern potential historical structure, so the findings of disturbance and lack of artefacts do not represent a complete picture and do not rule out that a foundation may still exist buried beneath the fill (see Page 1876). **Thus, the vicinity of the eastern potential historic structure retains archaeological potential.**

In-depth historical research of the Euro-Canadian settlement of the western edge of the study area concluded that the two structures in the southwest corner of the study area as shown on the 1876 historic atlas map (Maps 4 and 5; Page 1876; see also Golder 2012) do not pre-date 1830 nor did they belong to the first settlers of this part of the township. In email communications between Scott Martin of Golder and Malcolm Horne of MTCS (January 6, 8 and 19, 2015; see Supplementary Documentation C), it was determined that a mid-19th century age of the potential structures (see Section 1.2.2.1, above) would still indicate archaeological potential for both the vicinity of the western and eastern potential historic structures. **Thus, given the potential existence of a likely very deeply buried western historic structure and a less-deeply buried eastern historic structure, both of which potentially of mid-19th century age, the vicinities of both the western and eastern potential historic structures retain archaeological potential (see Map 55).**

Given the deeply buried conditions in the vicinities of both the western and eastern potential historic structures, Stage 2 construction monitoring of the mechanical removal of the soil fill tailings by a licensed consultant archaeologist will be required if these areas are impacted by future development, as per Section 2.1.7, Standard 4 of the *Standards and Guidelines* (MTCS 2011) (also Malcolm Horne, personal communication, January 6, 8 and 19, 2015; see Supplementary Documentation C). These areas comprise 70m construction monitoring zone radii around the estimated locations of the potential historic structures, as depicted in Map 55. The licensed archaeologist must be present on-site during the time of excavation in order to monitor fill removal (Section 2.1.7, Standard 4a of the *Standards and Guidelines* (MTCS 2011)). The licensed archaeologist must prepare in consultation with the proponent and contractors a contingency plan outlining procedures, documentation and time requirements in the event that archaeological resources are exposed (Section 2.1.7, Standard 4b of the *Standards and Guidelines* (MTCS 2011)). The licensed archaeologist must recover all diagnostic artifacts related to the archaeological site of cultural heritage value or interest that are exposed during monitoring, although is not required to recover diagnostic artifacts determined to be from fill layers (Section 2.1.7, Standard 4c of the *Standards and Guidelines* (MTCS 2011)).

The remainder of the study area, beyond those agricultural field areas with surface finds and test pit areas with positive test pits, and beyond the vicinity of the western and eastern potential historic structures, contains no archaeological resources and is considered free from further archaeological concern (see Golder 2012). **Apart from those areas mentioned above, no further archaeological assessment is recommended for the remainder of Site A's soil fill tailings areas (see also Golder 2012).**



Table of Contents

1.0	PROJECT CONTEXT	1
1.1	Development Context	1
1.2	Historical Context.....	1
1.2.1	Post-Contact Aboriginal Context	1
1.2.2	Historic Euro-Canadian Context.....	3
1.2.2.1	Lot 19, Concession 5, Township of Humberstone	3
1.3	Archaeological Context.....	6
1.3.1	Archaeological and Historical Chronology of the R.M. of Niagara.....	6
1.3.2	Pre-Contact Aboriginal Context.....	7
1.3.3	Summary of Known Archaeological Sites within One Kilometre	8
1.3.4	The Natural Environment	8
1.3.5	Land Use and Existing Conditions in the Study area	8
1.3.6	Dates of Archaeological Fieldwork in the Study Area	9
1.3.7	Previous Archaeological Fieldwork in the Study Area	10
2.0	FIELD METHODS.....	11
3.0	RECORD OF FINDS.....	15
3.1	Gordon Baker Site (AfGt-202).....	16
3.1.1	Gordon Baker Site (AfGt-202) Pre-Contact Aboriginal Artifacts	17
3.1.1.1	Gordon Baker Site (AfGt-202) Pre-Contact Aboriginal Artifact Metrics	17
3.1.1.2	Gordon Baker Site (AfGt-202) Chipping Detritus	19
3.1.2	Gordon Baker Site (AfGt-202) Historic Euro-Canadian Artifacts	19
3.2	Nyon Energy Park Location 2 (AfGt-203)	20
3.2.1	Nyon Energy Park Location 2 Pre-Contact Aboriginal Artifacts.....	22
3.2.1.1	Nyon Energy Park Location 2 Pre-Contact Aboriginal Artifact Metrics.....	22
3.2.1.2	Nyon Energy Park Location 2 Chipping Detritus.....	22
3.2.2	Nyon Energy Park Location 2 Historic Euro-Canadian Artifacts.....	23
3.3	Nyon Energy Park Location 3 (AfGt-204)	23
3.3.1	Nyon Energy Park Location 3 Pre-Contact Aboriginal Artifacts.....	24



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

3.3.1.1	Nyon Energy Park Location 3 Pre-Contact Aboriginal Artifact Metrics.....	24
3.3.1.2	Nyon Energy Park Location 3 Chipping Detritus.....	25
3.3.2	Nyon Energy Park Location 3 Historic Euro-Canadian Artifacts.....	25
3.4	Nyon Energy Park Location 4A.....	25
3.5	Nyon Energy Park Location 4B.....	25
3.6	Nyon Energy Park Location 4C.....	26
3.7	Nyon Energy Park Location 5.....	26
3.7.1	Nyon Energy Park Location 5 Pre-Contact Aboriginal Artifacts.....	26
3.7.1.1	Nyon Energy Park Location 5 Chipping Detritus.....	26
3.8	Nyon Energy Park Location 6 (AfGt-205)	27
3.8.1	Nyon Energy Park Location 6 Pre-Contact Aboriginal Artifacts.....	27
3.8.1.1	Nyon Energy Park Location 6 Chipping Detritus.....	27
3.9	Nyon Energy Park Location 7	27
3.10	Nyon Energy Park Location 8	28
3.10.1	Nyon Energy Park Location 8 Pre-Contact Aboriginal Artifacts.....	28
3.10.1.1	Nyon Energy Park Location 8 Pre-Contact Aboriginal Artifact Metrics.....	28
3.10.1.2	Nyon Energy Park Location 8 Chipping Detritus.....	29
3.11	Nyon Energy Park Location 9 (AfGt-206)	29
3.11.1	Nyon Energy Park Location 9 Pre-Contact Aboriginal Artifacts.....	30
3.11.1.1	Nyon Energy Park Location 9 Pre-Contact Aboriginal Artifact Metrics.....	30
3.11.1.2	Nyon Energy Park Location 9 Chipping Detritus.....	30
3.12	Nyon Energy Park Location 10 (AfGt-207)	31
3.12.1	Nyon Energy Park Location 10 Pre-Contact Aboriginal Artifacts.....	31
3.12.1.1	Nyon Energy Park Location 10 Chipping Detritus.....	31
3.13	Nyon Energy Park Location 11	31
3.14	Nyon Energy Park Location 12 (AfGt-208)	32
3.14.1	Nyon Energy Park Location 12 Pre-Contact Aboriginal Artifacts.....	32
3.14.1.1	Nyon Energy Park Location 12 Chipping Detritus.....	32
3.15	Nyon Energy Park Location 13 (AfGt-232)	33
3.15.1	Nyon Energy Park Location 13 Pre-Contact Aboriginal Artifacts.....	33
3.15.1.1	Nyon Energy Park Location 13 Chipping Detritus.....	33



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

3.16	Nyon Energy Park Location 14 (AfGt-209)	33
3.16.1	Nyon Energy Park Location 14 Pre-Contact Aboriginal Artifacts.....	34
3.16.1.1	Nyon Energy Park Location 14 Pre-Contact Aboriginal Artifact Metrics.....	34
3.16.1.2	Nyon Energy Park Location 14 Chipping Detritus.....	35
3.17	Nyon Energy Park Location 15	35
3.18	Nyon Energy Park Location 16 (AfGt-210)	35
3.18.1	Nyon Energy Park Location 16 Pre-Contact Aboriginal Artifacts.....	36
3.18.1.1	Nyon Energy Park Location 16 Pre-Contact Aboriginal Artifact Metrics.....	36
3.18.1.2	Nyon Energy Park Location 16 Chipping Detritus.....	36
3.19	Nyon Energy Park Location 17	37
3.20	Nyon Energy Park Location 18	37
3.21	Nyon Energy Park Location 19	37
3.21.1	Nyon Energy Park Location 19 Pre-Contact Aboriginal Artifacts.....	37
3.21.1.1	Nyon Energy Park Location 19 Pre-Contact Aboriginal Artifact Metrics.....	37
3.21.1.2	Nyon Energy Park Location 19 Chipping Detritus.....	38
3.22	Nyon Energy Park Location 20/22/26 (AfGt-211).....	38
3.22.1	Nyon Energy Park Location 20/22/26 Pre-Contact Aboriginal Artifacts.....	39
3.22.1.1	Nyon Energy Park Location 20/22/26 Pre-Contact Aboriginal Artifact Metrics.....	39
3.22.1.2	Nyon Energy Park Location 20/22/26 Chipping Detritus.....	40
3.23	Nyon Energy Park Location 21 (AfGt-212)	40
3.23.1	Nyon Energy Park Location 21 Pre-Contact Aboriginal Artifacts.....	41
3.23.1.1	Nyon Energy Park Location 21 Chipping Detritus.....	41
3.24	Nyon Energy Park Location 23 (AfGt-213)	41
3.24.1	Nyon Energy Park Location 23 Artifact Metrics	42
3.25	Nyon Energy Park Location 24 (AfGt-214)	42
3.25.1	Nyon Energy Park Location 24 Pre-Contact Aboriginal Artifacts.....	42
3.25.1.1	Nyon Energy Park Location 24 Pre-Contact Aboriginal Artifact Metrics.....	42
3.25.1.2	Nyon Energy Park Location 24 Chipping Detritus.....	43
3.26	Nyon Energy Park Location 25 (AfGt-215)	43
3.26.1	Nyon Energy Park Location 25 Pre-Contact Aboriginal Artifacts.....	44
3.26.1.1	Nyon Energy Park Location 25 Pre-Contact Aboriginal Artifact Metrics.....	44



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

3.27	Nyon Energy Park Location 27 (AfGt-216)	44
3.27.1	Nyon Energy Park Location 27 Pre-Contact Aboriginal Artifacts.....	45
3.27.1.1	Nyon Energy Park Location 27 Pre-Contact Aboriginal Artifact Metrics.....	45
3.27.1.2	Nyon Energy Park Location 27 Chipping Detritus.....	45
3.28	Nyon Energy Park Location 28 (AfGt-217)	46
3.28.1	Nyon Energy Park Location 28 Pre-Contact Aboriginal Artifacts.....	46
3.28.1.1	Nyon Energy Park Location 28 Pre-Contact Aboriginal Artifact Metrics.....	46
3.28.1.2	Nyon Energy Park Location 28 Chipping Detritus.....	46
3.29	Nyon Energy Park Location 29	47
3.30	Nyon Energy Park Location 30 (AfGt-218)	47
3.31	Nyon Energy Park Location 31	47
3.32	Nyon Energy Park Location 32	47
3.33	Nyon Energy Park Location 33	48
3.34	Nyon Energy Park Location 34	48
3.35	Nyon Energy Park Location 35	48
3.36	Nyon Energy Park Location 36 (AfGt-219)	48
3.36.1	Nyon Energy Park Location 36 Pre-Contact Aboriginal Artifacts.....	49
3.36.1.1	Nyon Energy Park Location 36 Pre-Contact Aboriginal Artifact Metrics.....	49
3.36.1.2	Nyon Energy Park Location 36 Chipping Detritus.....	49
3.37	Nyon Energy Park Location 37 (AfGt-220)	49
3.37.1	Nyon Energy Park Location 37 Pre-Contact Aboriginal Artifacts.....	50
3.37.1.1	Nyon Energy Park Location 37 Pre-Contact Aboriginal Artifact Metrics.....	50
3.37.1.2	Nyon Energy Park Location 37 Chipping Detritus.....	50
3.38	Nyon Energy Park Location 38 (AfGt-221)	51
3.38.1	Nyon Energy Park Location 38 Pre-Contact Aboriginal Artifacts.....	51
3.38.1.1	Nyon Energy Park Location 38 Pre-Contact Aboriginal Artifact Metrics.....	51
3.38.1.2	Nyon Energy Park Location 38 Chipping Detritus.....	52
3.39	Nyon Energy Park Location 39 (AfGt-222)	52
3.39.1	Nyon Energy Park Location 39 Artifact Metrics.....	52
3.40	Nyon Energy Park Location 40/41 (AfGt-223).....	53
3.40.1	Nyon Energy Park Location 40/41 Pre-Contact Aboriginal Artifacts.....	53



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

3.40.1.1	Nyon Energy Park Location 40/41 Pre-Contact Aboriginal Artifact Metrics.....	53
3.40.1.2	Nyon Energy Park Location 40/41 Chipping Detritus.....	54
3.41	Nyon Energy Park Location 42 (AfGt-224)	54
3.41.1	Nyon Energy Park Location 42 Pre-Contact Aboriginal Artifacts.....	55
3.41.1.1	Nyon Energy Park Location 42 Pre-Contact Aboriginal Artifact Metrics.....	55
3.41.1.2	Nyon Energy Park Location 42 Chipping Detritus.....	56
3.41.2	Nyon Energy Park Location 42 Historic Euro-Canadian Artifacts.....	56
3.42	Nyon Energy Park Location 43 (AfGt-225)	56
3.42.1	Nyon Energy Park Location 43 Pre-Contact Aboriginal Artifacts.....	57
3.42.1.1	Nyon Energy Park Location 43 Pre-Contact Aboriginal Artifact Metrics.....	57
3.42.1.2	Nyon Energy Park Location 43 Chipping Detritus.....	58
3.43	Nyon Energy Park Location 44 (AfGt-226)	58
3.43.1	Nyon Energy Park Location 44 Pre-Contact Aboriginal Artifacts.....	59
3.43.1.1	Nyon Energy Park Location 44 Pre-Contact Aboriginal Artifact Metrics.....	59
3.43.1.2	Nyon Energy Park Location 44 Chipping Detritus.....	60
3.44	Nyon Energy Park Location 45 (AfGt-227)	60
3.44.1	Nyon Energy Park Location 45 Pre-Contact Aboriginal Artifacts.....	60
3.44.1.1	Nyon Energy Park Location 45 Pre-Contact Aboriginal Artifact Metrics.....	61
3.44.1.2	Nyon Energy Park Location 45 Chipping Detritus.....	61
3.45	Nyon Energy Park Location 46 (AfGt-228)	61
3.45.1	Nyon Energy Park Location 46 Pre-Contact Aboriginal Artifacts.....	62
3.45.1.1	Nyon Energy Park Location 46 Pre-Contact Aboriginal Artifact Metrics.....	62
3.45.1.2	Nyon Energy Park Location 46 Chipping Detritus.....	62
3.46	Nyon Energy Park Location 47 (AfGt-229)	63
3.46.1	Nyon Energy Park Location 47 Pre-Contact Aboriginal Artifacts.....	63
3.46.1.1	Nyon Energy Park Location 47 Chipping Detritus.....	63
3.47	Nyon Energy Park Location 48 (AfGt-230)	64
3.47.1	Nyon Energy Park Location 48 Pre-Contact Aboriginal Artifacts.....	64
3.47.1.1	Nyon Energy Park Location 48 Pre-Contact Aboriginal Artifact Metrics.....	64
3.47.1.2	Nyon Energy Park Location 48 Chipping Detritus.....	65
3.48	Nyon Energy Park Location 49	65



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

3.49	Nyon Energy Park Location 50	65
3.50	Nyon Energy Park Location 51 (AfGt-231)	66
3.50.1	Nyon Energy Park Location 51 Historic Euro-Canadian Artifacts.....	68
4.0	ANALYSIS AND CONCLUSIONS.....	69
4.1	Isolated Findspots Not Requiring Further Assessment.....	69
4.1.1	Nyon Energy Park Location 4A	69
4.1.2	Nyon Energy Park Location 4B	69
4.1.3	Nyon Energy Park Location 4C	70
4.1.4	Nyon Energy Park Location 7	70
4.1.5	Nyon Energy Park Location 11	70
4.1.6	Nyon Energy Park Location 15	70
4.1.7	Nyon Energy Park Location 17	71
4.1.8	Nyon Energy Park Location 18	71
4.1.9	Nyon Energy Park Location 23	71
4.1.10	Nyon Energy Park Location 29	71
4.1.11	Nyon Energy Park Location 31	72
4.1.12	Nyon Energy Park Location 33	72
4.1.13	Nyon Energy Park Location 34	72
4.1.14	Nyon Energy Park Location 35	73
4.1.15	Nyon Energy Park Location 39	73
4.1.16	Nyon Energy Park Location 50	73
4.2	Low-Yielding Sites Not Requiring Further Assessment	73
4.2.1	Nyon Energy Park Location 5	74
4.2.2	Nyon Energy Park Location 8	74
4.2.3	Nyon Energy Park Location 9	74
4.2.4	Nyon Energy Park Location 10	75
4.2.5	Nyon Energy Park Location 19	75
4.2.6	Nyon Energy Park Location 21	75
4.2.7	Nyon Energy Park Location 25	75
4.2.8	Nyon Energy Park Location 49	76
4.3	Archaeological Sites Requiring Further Assessment	76



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

4.3.1	Gordon Baker Site.....	76
4.3.2	Nyon Energy Park Location 2	77
4.3.3	Nyon Energy Park Location 3	78
4.3.4	Nyon Energy Park Location 6	78
4.3.5	Nyon Energy Park Location 12	79
4.3.6	Nyon Energy Park Location 13	79
4.3.7	Nyon Energy Park Location 14	79
4.3.8	Nyon Energy Park Location 16	80
4.3.9	Nyon Energy Park Location 20/22/26.....	80
4.3.10	Nyon Energy Park Location 24	80
4.3.11	Nyon Energy Park Location 27	81
4.3.12	Nyon Energy Park Location 28	81
4.3.13	Nyon Energy Park Location 30	81
4.3.14	Nyon Energy Park Location 36	82
4.3.15	Nyon Energy Park Location 37	82
4.3.16	Nyon Energy Park Location 38	82
4.3.17	Nyon Energy Park Location 40/41.....	83
4.3.18	Nyon Energy Park Location 42	83
4.3.19	Nyon Energy Park Location 43	83
4.3.20	Nyon Energy Park Location 44	84
4.3.21	Nyon Energy Park Location 45	84
4.3.22	Nyon Energy Park Location 46	84
4.3.23	Nyon Energy Park Location 47	85
4.3.24	Nyon Energy Park Location 48	85
4.3.25	Nyon Energy Park Location 51	85
5.0	RECOMMENDATIONS.....	86
6.0	ADVICE ON COMPLIANCE WITH LEGISLATION	96
7.0	BIBLIOGRAPHY AND SOURCES	97
8.0	IMPORTANT INFORMATION AND LIMITATIONS OF THIS REPORT	104
9.0	IMAGES.....	105



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

10.0 MAPS.....	132
-----------------------	------------

TABLES

Table 1: Land Registry Abstract for Lot 19, Concession 5, Township of Humberstone.....	4
Table 2: Archaeological and Historical Chronology for the R.M. of Niagara.....	6
Table 3: Summary of Weather and Lighting Conditions During the Stage 2 Archaeological Assessment	11
Table 4: Inventory of Documentary Record.....	15
Table 5: Gordon Baker Site Artifact Summary	16
Table 6: Gordon Baker Site Artifact Metrics	17
Table 7: Gordon Baker Site Chipping Detritus	19
Table 8: Nyon Energy Park Location 2 Artifact Summary	20
Table 9: Nyon Energy Park Location 2 Artifact Metrics	22
Table 10: Nyon Energy Park Location 2 Chipping Detritus	23
Table 11: Nyon Energy Park Location 3 Artifact Summary	24
Table 12: Nyon Energy Park Location 3 Artifact Metrics	24
Table 13: Nyon Energy Park Location 3 Chipping Detritus	25
Table 14: Nyon Energy Park Location 5 Artifact Summary	26
Table 15: Nyon Energy Park Location 5 Chipping Detritus	26
Table 16: Nyon Energy Park Location 6 Artifact Summary	27
Table 17: Nyon Energy Park Location 6 Chipping Detritus	27
Table 18: Nyon Energy Park Location 8 Artifact Summary	28
Table 19: Nyon Energy Park Location 8 Artifact Metrics	28
Table 20: Nyon Energy Park Location 8 Chipping Detritus	29
Table 21: Nyon Energy Park Location 9 Artifact Summary	29
Table 22: Nyon Energy Park Location 9 Artifact Metrics	30
Table 23: Nyon Energy Park Location 9 Chipping Detritus	30
Table 24: Nyon Energy Park Location 10 Artifact Summary	31
Table 25: Nyon Energy Park Location 10 Chipping Detritus	31
Table 26: Nyon Energy Park Location 12 Artifact Summary	32
Table 27: Nyon Energy Park Location 12 Chipping Detritus	32
Table 28: Nyon Energy Park Location 13 Artifact Summary	33
Table 29: Nyon Energy Park Location 13 Chipping Detritus	33
Table 30: Nyon Energy Park Location 14 Artifact Summary	34



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Table 31: Nyon Energy Park Location 14 Artifact Metrics	34
Table 32: Nyon Energy Park Location 14 Chipping Detritus	35
Table 33: Nyon Energy Park Location 16 Artifact Summary	36
Table 34: Nyon Energy Park Location 16 Artifact Metrics	36
Table 35: Nyon Energy Park Location 16 Chipping Detritus	36
Table 36: Nyon Energy Park Location 19 Artifact Summary	37
Table 37: Nyon Energy Park Location 19 Artifact Metrics	38
Table 38: Nyon Energy Park Location 19 Chipping Detritus	38
Table 39: Nyon Energy Park Location 20/22/26 Artifact Summary	38
Table 40: Nyon Energy Park Location 20/22/26 Artifact Metrics	39
Table 41: Nyon Energy Park Location 20/22/26 Chipping Detritus	40
Table 42: Nyon Energy Park Location 21 Artifact Summary	41
Table 43: Nyon Energy Park Location 21 Chipping Detritus	41
Table 44: Nyon Energy Park Location 23 Artifact Metrics	42
Table 45: Nyon Energy Park Location 24 Artifact Summary	42
Table 46: Nyon Energy Park Location 24 Artifact Metrics	43
Table 47: Nyon Energy Park Location 24 Chipping Detritus	43
Table 48: Nyon Energy Park Location 25 Artifact Summary	44
Table 49: Nyon Energy Park Location 25 Artifact Metrics	44
Table 50: Nyon Energy Park Location 27 Artifact Summary	44
Table 51: Nyon Energy Park Location 27 Artifact Metrics	45
Table 52: Nyon Energy Park Location 27 Chipping Detritus	45
Table 53: Nyon Energy Park Location 28 Artifact Summary	46
Table 54: Nyon Energy Park Location 28 Artifact Metrics	46
Table 55: Nyon Energy Park Location 28 Chipping Detritus	47
Table 56: Nyon Energy Park Location 36 Artifact Summary	48
Table 57: Nyon Energy Park Location 36 Artifact Metrics	49
Table 58: Nyon Energy Park Location 36 Chipping Detritus	49
Table 59: Nyon Energy Park Location 37 Artifact Summary	50
Table 60: Nyon Energy Park Location 37 Artifact Metrics	50
Table 61: Nyon Energy Park Location 37 Chipping Detritus	51
Table 62: Nyon Energy Park Location 38 Artifact Summary	51
Table 63: Nyon Energy Park Location 38 Artifact Metrics	51



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Table 64: Nyon Energy Park Location 38 Chipping Detritus	52
Table 65: Nyon Energy Park Location 38 Artifact Metrics	52
Table 66: Nyon Energy Park Location 40/41 Artifact Summary	53
Table 67: Nyon Energy Park Location 40/41 Artifact Metrics	53
Table 68: Nyon Energy Park Location 40/41 Chipping Detritus	54
Table 69: Nyon Energy Park Location 42 Artifact Summary	54
Table 70: Nyon Energy Park Location 42 Artifact Metrics	55
Table 71: Nyon Energy Park Location 42 Chipping Detritus	56
Table 72: Nyon Energy Park Location 43 Artifact Summary	57
Table 73: Nyon Energy Park Location 43 Artifact Metrics	57
Table 74: Nyon Energy Park Location 43 Chipping Detritus	58
Table 75: Nyon Energy Park Location 44 Artifact Summary	59
Table 76: Nyon Energy Park Location 44 Artifact Metrics	59
Table 77: Nyon Energy Park Location 44 Chipping Detritus	60
Table 78: Nyon Energy Park Location 45 Artifact Summary	60
Table 79: Nyon Energy Park Location 45 Artifact Metrics	61
Table 80: Nyon Energy Park Location 45 Chipping Detritus	61
Table 81: Nyon Energy Park Location 46 Artifact Summary	61
Table 82: Nyon Energy Park Location 46 Artifact Metrics	62
Table 83: Nyon Energy Park Location 46 Chipping Detritus	63
Table 84: Nyon Energy Park Location 47 Artifact Summary	63
Table 85: Nyon Energy Park Location 47 Chipping Detritus	64
Table 86: Nyon Energy Park Location 48 Artifact Summary	64
Table 87: Nyon Energy Park Location 48 Artifact Metrics	65
Table 88: Nyon Energy Park Location 48 Chipping Detritus	65
Table 89: Nyon Energy Park Location 51 Artifact Summary	66
Table 90: Nyon Energy Park Locations Not Recommended for Further Archaeological Assessment.....	86
Table 91: Nyon Energy Park Locations Recommended for Further Archaeological Assessment	90

IMAGES

Image 1: Nyon Energy Park, Stage 2 Field and Weather Conditions, May 29, 2014, facing northeast (DSCF0777).....	105
Image 2: Nyon Energy Park, Stage 2 Pedestrian Survey, 5 m Intervals, May 30, 2014, facing southwest (DSCF0784).	105
Image 3: Nyon Energy Park, Stage 2 Pedestrian Survey, 5 m Intervals, May 30, 2014, facing east (DSCF0795).	105



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Image 4: Nyon Energy Park, Stage 2 Pedestrian Survey, 1 m Intensification, June 2, 2014, facing west (DSCF0809).	105
Image 5: Nyon Energy Park, Stage 2 Pedestrian Survey, 1 m intensification, May 30, 2014, facing west (DSCF0790).	106
Image 6: Nyon Energy Park, Stage 2 Test Pitting, June 4, 2014, facing north (DSCF0879).	106
Image 7: Nyon Energy Park, Stage 2 Test Pitting, June 4, 2014, facing south (DSCF0885).	106
Image 8: Nyon Energy Park, Stage 2 Test Pitting, representative disturbed test pit, June 4, 2014, facing north (DSCF0884).	106
Image 9: Nyon Energy Park, Stage 2 Test Pitting, disturbed area south of ploughed field, June 4, 2014, facing north (DSCF0897).	107
Image 10: Nyon Energy Park, Stage 2 Test Pitting, representative disturbed test pit, June 4, 2014, facing east (DSCF0891).	107
Image 11: Nyon Energy Park, Stage 2 Test Pitting, representative disturbed test pit, June 4, 2014, facing east (DSCF0892).	107
Image 12: Nyon Energy Park, Stage 2 Test Pitting, representative positive test pit (Test Pit #8), June 4, 2014, facing west (DSCF0883).	107
Image 13: Nyon Energy Park, Stage 2 Test Pitting, representative disturbed test pit, June 4, 2014, facing north (DSCF0917).	108
Image 14: Nyon Energy Park, Stage 2 Test Pitting, representative disturbed test pit, June 4, 2014, facing south (DSCF0918).	108
Image 15: Nyon Energy Park, Stage 2 Test Pitting, June 3, 2014, facing east (DSCF0840).	108
Image 16: Nyon Energy Park, Stage 2 Test Pitting, representative undisturbed test pit, June 3, 2014, facing north (DSCF0841).	108
Image 17: Nyon Energy Park, Stage 2 Test Pitting, representative disturbed test pit, June 4, 2014, facing west (DSCF0924).	109
Image 18: Nyon Energy Park, Stage 2 Test Pitting, representative disturbed test pit, June 4, 2014, facing west (DSCF0926).	109
Image 19: Nyon Energy Park, Stage 2 Test Pitting, representative test pit showing subsoil, June 4, 2014, facing north (DSCF0934).	109
Image 20: Nyon Energy Park, Water course, June 4, 2014, facing north (DSCF0915).	109
Image 21: Nyon Energy Park, Stage 2 Test Pitting, disturbed pedestrian pathway/former railway, June 4, 2014, facing south (DSCF0912).	110
Image 22: Nyon Energy Park, Stage 2 Test Pitting, expanded test pit showing disturbance in vicinity of eastern potential historic house, June 3, 2014, facing west (DSCF0857).	110
Image 23: Nyon Energy Park, Stage 2 Test Pitting, detailing slope of tailings section in vicinity of western potential historic house, June 3, 2014, facing south (DSCF0873).	110
Image 24: Nyon Energy Park, Stage 2 Test Pitting, area between two houses, disturbed test pit, south side, August 13, 2014, facing north (DSCF1236).	110
Image 25: Nyon Energy Park, Stage 2 Test Pitting, area between two houses, disturbed test pit, south side, August 13, 2014, facing north (DSCF1238).	111
Image 26: Nyon Energy Park, Stage 2 Test Pitting, area between two houses, disturbed test pit, south side, August 13, 2014, facing north (DSCF1240).	111



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Image 27: Nyon Energy Park, Stage 2 Test Pitting, area between two houses, disturbed test pit, south side, August 13, 2014, facing north (DSCF1242).....	111
Image 28: Nyon Energy Park, Stage 2 Test Pitting, area between two houses, south side, August 13, 2014, facing north (DSCF1244).	111
Image 29: Gordon Baker Site Pre-Contact Aboriginal Ceramics. Cat. #s 2, 3, 4, 5, 6 and 7 (l-r, top), 8, 9, 10, 11, 12 and 13 (l-r, middle), 14 and 18 (l-r, bottom).....	112
Image 30: Gordon Baker Site Artifacts Lithic Tools. Cat. #s 16, 17, 22 and 25 (l-r, top) and 26, 34 and 37 (l-r, bottom).	113
Image 31: Nyon Energy Park Location 2 Artifacts. Cat. #s 32, 53, 101, 118, 21,108 (l-r, top), 113, 1, 139, 131, 86, 128 (l-r, 2 nd row), 93, 112, 107, 106, 125, 140 (l-r, 3 rd row), 144, 24, 136, 104, 94, 122, 129, 64, 133 (l-r, 4 th row) and 4, 124, 123, 19, 119, 149, 176 (l-r, bottom row).	114
Image 32: Nyon Energy Park Location 2 Artifacts. Cat. #s 143, 102, 72, 52, 6 (l-r, top), and 109, 11, 138, 65, 60 (l-r, bottom).	115
Image 33: Nyon Energy Park Location 3 Artifacts. Cat. #s 2, 6 and 9 (l-r).	115
Image 34: Nyon Energy Park Location 4A Artifacts. Cat. #1.	116
Image 35: Nyon Energy Park Location 4C Artifacts. Cat. #1.	116
Image 36: Nyon Energy Park Location 8 Artifacts. Cat. #s 2, 3, 4, and 7 (l-r).	117
Image 37: Nyon Energy Park Location 9 Artifacts. Cat. #s 4 and 5 (l-r).	117
Image 38: Nyon Energy Park Location 14 Artifacts. Cat. #s 7 and 2 (l-r, top) and 15 and 18 (l-r, bottom).	118
Image 39: Nyon Energy Park Location 16 Artifact. Cat. #4.	118
Image 40: Nyon Energy Park Location 20/22/26 Artifacts. Cat. #s 7, 10, 19, 21, 24, 28 (l-r, top), 31, 34, 36, 37, 43, 45 (l-r, bottom).....	119
Image 41: Nyon Energy Park Location 23 Artifacts. Cat. #1.	119
Image 42: Nyon Energy Park Location 24 Artifacts. Cat. #s 2, 3, 4 (l-r).	120
Image 43: Nyon Energy Park Location 25 Artifact. Cat. #1.	120
Image 44: Nyon Energy Park Location 27 Artifact. Cat. #s 16 and 17 (l-r).	121
Image 45: Nyon Energy Park Location 28 Artifact. Cat. #1.	121
Image 46: Nyon Energy Park Location 30 Artifact. Cat. #1.	122
Image 47: Nyon Energy Park Location 33 Artifact. Cat. #1.	122
Image 48: Nyon Energy Park Location 36 Artifacts. Cat. #s 7 and 20 (l-r).	123
Image 49: Nyon Energy Park Location 37 Artifacts. Cat. #s 7 and 11 (l-r).	123
Image 50: Nyon Energy Park Location 38 Artifacts. Cat. #s 2 (top) and 4 (bottom).	124
Image 51: Nyon Energy Park Location 39 Artifact. Cat. #1.	124
Image 52: Nyon Energy Park Location 40/41 Artifacts. Cat. #s 1 and 20 (l-r).	125
Image 53: Nyon Energy Park Location 42 Artifacts. Cat. #s 7, 4 and 3 (l-r, top), 20 and 18 (l-r, middle) and 24, 23 and 21 (l-r, bottom).....	125
Image 54: Nyon Energy Park Location 43 Artifacts. Cat. #s 2, 5 and 6 (l-r, top), 7, 11 and 23 (l-r, middle) and 24 and 31 (l-r, bottom).....	126



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Image 55: Nyon Energy Park Location 44 Artifacts. Cat. #s 4 and 8 (l-r, top) and 11, 12 and 16 (l-r, bottom).....	127
Image 56: Nyon Energy Park Location 45 Artifact. Cat. #5.....	128
Image 57: Nyon Energy Park Location 46 Artifacts. Cat. #s 7 and 8 (l-r, top) and 11 and 12 (l-r, bottom).....	128
Image 58: Nyon Energy Park Location 48 Artifacts. Cat. #s 5 (top) and 10 (bottom).....	129
Image 59: Nyon Energy Park Location 51 Artifacts. Cat. #s 112, 155, 104, 26 (l-r, top), 111, 53, 31, 95, 154, 1 (l-r, 2 nd row), 84, 145, 2 (l-r, 3 rd row), 62, 21, 27 (l-r, bottom).....	130
Image 60: Nyon Energy Park Location 51 Artifacts. Cat. #s 22, 135, 73, 43, 39 (l-r, top), 90, 24, 79, 139, 153, 86, 85 (l-r, 2 nd row), 14, 138, 29, 11, 126, 30, 128 (l-r, 3 rd row), 129, 110, 119, 51 (l-r, bottom).....	131

MAPS

Map 1: Study Area	133
Map 2: Concept Plan.....	134
Map 3: Surficial Geology	135
Map 4: A Portion of the 1876 Historical Atlas	136
Map 5: Survey Methods	137
Map 6: Stage 2 Archaeological Property Assessment: Nyon Energy Park Gordon Baker Site	138
Map 7: Stage 2 Archaeological Property Assessment: Nyon Energy Park Location 2	139
Map 8: Stage 2 Archaeological Property Assessment: Nyon Energy Park Location 3	140
Map 9: Stage 2 Archaeological Property Assessment: Nyon Energy Park Location 4A.....	141
Map 10: Stage 2 Archaeological Property Assessment: Nyon Energy Park Location 4B.....	142
Map 11: Stage 2 Archaeological Property Assessment: Nyon Energy Park Location 4C	143
Map 12: Stage 2 Archaeological Property Assessment: Nyon Energy Park Location 5	144
Map 13: Stage 2 Archaeological Property Assessment: Nyon Energy Park Location 6	145
Map 14: Stage 2 Archaeological Property Assessment: Nyon Energy Park Location 7	146
Map 15: Stage 2 Archaeological Property Assessment: Nyon Energy Park Location 8	147
Map 16: Stage 2 Archaeological Property Assessment: Nyon Energy Park Location 9	148
Map 17: Stage 2 Archaeological Property Assessment: Nyon Energy Park Location 10	149
Map 18: Stage 2 Archaeological Property Assessment: Nyon Energy Park Location 11	150
Map 19: Stage 2 Archaeological Property Assessment: Nyon Energy Park Location 12	151
Map 20: Stage 2 Archaeological Property Assessment: Nyon Energy Park Location 13	152
Map 21: Stage 2 Archaeological Property Assessment: Nyon Energy Park Location 14	153
Map 22: Stage 2 Archaeological Property Assessment: Nyon Energy Park Location 15	154
Map 23: Stage 2 Archaeological Property Assessment: Nyon Energy Park Location 16	155
Map 24: Stage 2 Archaeological Property Assessment: Nyon Energy Park Location 17	156



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Map 25: Stage 2 Archaeological Property Assessment: Nyon Energy Park Location 18	157
Map 26: Stage 2 Archaeological Property Assessment: Nyon Energy Park Location 19	158
Map 27: Stage 2 Archaeological Property Assessment: Nyon Energy Park Location 20/22/26	159
Map 28: Stage 2 Archaeological Property Assessment: Nyon Energy Park Location 21	160
Map 29: Stage 2 Archaeological Property Assessment: Nyon Energy Park Location 23	161
Map 30: Stage 2 Archaeological Property Assessment: Nyon Energy Park Location 24	162
Map 31: Stage 2 Archaeological Property Assessment: Nyon Energy Park Location 25	163
Map 32: Stage 2 Archaeological Property Assessment: Nyon Energy Park Location 27	164
Map 33: Stage 2 Archaeological Property Assessment: Nyon Energy Park Location 28	165
Map 34: Stage 2 Archaeological Property Assessment: Nyon Energy Park Location 29	166
Map 35: Stage 2 Archaeological Property Assessment: Nyon Energy Park Location 30	167
Map 36: Stage 2 Archaeological Property Assessment: Nyon Energy Park Location 31	168
Map 37: Stage 2 Archaeological Property Assessment: Nyon Energy Park Location 33	169
Map 38: Stage 2 Archaeological Property Assessment: Nyon Energy Park Location 34	170
Map 39: Stage 2 Archaeological Property Assessment: Nyon Energy Park Location 35	171
Map 40: Stage 2 Archaeological Property Assessment: Nyon Energy Park Location 36	172
Map 41: Stage 2 Archaeological Property Assessment: Nyon Energy Park Location 37	173
Map 42: Stage 2 Archaeological Property Assessment: Nyon Energy Park Location 38	174
Map 43: Stage 2 Archaeological Property Assessment: Nyon Energy Park Location 39	175
Map 44: Stage 2 Archaeological Property Assessment: Nyon Energy Park Location 40/41	176
Map 45: Stage 2 Archaeological Property Assessment: Nyon Energy Park Location 42	177
Map 46: Stage 2 Archaeological Property Assessment: Nyon Energy Park Location 43	178
Map 47: Stage 2 Archaeological Property Assessment: Nyon Energy Park Location 44	179
Map 48: Stage 2 Archaeological Property Assessment: Nyon Energy Park Location 45	180
Map 49: Stage 2 Archaeological Property Assessment: Nyon Energy Park Location 46	181
Map 50: Stage 2 Archaeological Property Assessment: Nyon Energy Park Location 47	182
Map 51: Stage 2 Archaeological Property Assessment: Nyon Energy Park Location 48	183
Map 52: Stage 2 Archaeological Property Assessment: Nyon Energy Park Location 49	184
Map 53: Stage 2 Archaeological Property Assessment: Nyon Energy Park Location 50	185
Map 54: Stage 2 Archaeological Property Assessment: Nyon Energy Park Location 51	186
Map 55: Recommendations	187
Map 56: Historical Watercourse	188



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

APPENDICES

APPENDIX A

Glossary of Terms and Definitions

APPENDIX B

Artifact Catalogues



Project Personnel

Project Director	Carla Parslow, Ph.D. (P243), Associate, Senior Archaeologist
Project Manager	Scott Martin, Ph.D. (P218), Project Archaeologist
Project Coordinator	Shannon Neill-Sword, B.A. (Hons.), J.D. Law, Archaeological Project Coordinator
Licensed Consultant Archaeologist	Barbara Leskovec, M.A. (P346), Project Archaeologist
Licensed Field Supervisor	Martha Tildesley, B.A. (Hons.) (R399)
Field Assistants	Adam Van Buskirk, Robert Fleming, Bill Lucas, B.A. (Hons.), Scott Martin, Ph.D., Shannon Neill-Sword, B.A. (Hons.), J.D. Law, Sean Thomson, Donny Vongphakdy, B.A., John Wasilik, B.A., Julia Wither B.A. (Hons.)
Report Production	Scott Martin, Ph.D. (P218), Peter Popkin, Ph.D., MIfA (P362), Barbara Leskovec, M.A. (P346), Kendra Patton, M.A. (R453), Monica Maika, M.A. (P1021), Martha Tildesley, B.A. (Hons.) (R399), Shannon Neill-Sword, B.A. (Hons.), J.D. Law
Graphics Production	John Campo, B.Sc., GIS Analyst
Senior Review	Carla Parslow, Ph.D. (P243), Associate, Senior Archaeologist



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Acknowledgements

Proponent Contacts

Gordon Baker, Q.C., Nyon Marine Fuelling Corporation,
Tony Boutassis and Kristy Shortall, MMM Group Limited

Ministry of Tourism, Culture and Sport

Robert von Bitter, Malcolm Horne, Shari Prowse, Jenna Down



1.0 PROJECT CONTEXT

1.1 Development Context

This Stage 2 archaeological assessment was conducted on behalf of Nyon Marine Fuelling Corp. (Nyon) by Golder Associates Ltd. (Golder) for an approximately 176 hectare property located on part of Lots 16, 17, 18 and 19, Concession 5, former Geographical Township of Humberstone, Welland County, now City of Port Colborne, R.M. of Niagara, Ontario (Map 1). This assessment was conducted to assist with the modification of the existing Official Plan Amendment (OPA) and Zoning By-Law Amendment (ZBLA) applications as required by the *Ontario Planning Act* (1990) in order to redesignate these lands to provide for the development of an energy park. Recent changes in conceptual draft have reduced the size of the developable area within the study area boundaries, removing woodlot and wetland areas (Map 2).

This assessment was conducted on May 29 and 30 and June 2, 3 and 4, and August 13, 2014, in accordance with the Ministry of Tourism, Culture and Sport's *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011a) (*Standards*), as well as with the *Ontario Heritage Act* (1990).

The archaeological licensee for the project was Barbara Leskovec, M.A. (MTCS PIF P346-0022-2013) and Martha Tildesley, B.A. (Hons.) (R399) was the licensed field supervisor.

Permission to enter the study area, to conduct all necessary archaeological fieldwork and to remove archaeological resources was given by Gordon Baker, Q.C., of Nyon Marine Fuelling Corporation on November 22, 2013.

1.2 Historical Context

A detailed discussion of the archaeological and historical context of the study area was presented in the Stage 1 archaeological assessment (Golder 2012) and a short summary is presented here. The historical context of Lot 19, Concession 5 is presented in detail because the southern portion of this lot was shown to have archaeological potential but the presence of between five and 15 metres of overburden associated with the construction of the Welland Canal By-Pass and the Townline Tunnel deposited on the western half of the southern portion of the lot (Maps 3 and 5) made traditional Stage 2 archaeological assessment through test pitting non-viable.

1.2.1 Post-Contact Aboriginal Context

The post-contact Aboriginal occupation of Southern Ontario was heavily influenced by the dispersal of various Iroquoian-speaking peoples by the New York State Iroquois and the subsequent arrival of Algonkian-speaking groups from northern Ontario at the end of the seventeenth century and the beginning of the eighteenth century (Schmalz 1991). The nature of Aboriginal settlement size, population distribution, and material culture shifted as European settlers encroached upon their territory. Despite this shift, however, "written accounts of material life and livelihood, the correlation of historically recorded villages to their archaeological manifestations, and the similarities of those sites to more ancient sites have revealed an antiquity to documented cultural expressions that confirms a deep historical continuity to Iroquoian systems of ideology and thought" (Ferris 2009:114). Although not always recorded in historic Euro-Canadian documents, the choices of, activities, and material items



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

produced by post-contact Aboriginal peoples occupying Southern Ontario clearly link them to their pre-contact ancestors.

The study area first enters the historic record when the Mississauga First Nation entered into a treaty arrangement in 1784, known as Treaty No. 3. This treaty:

was made with the Mississa[ug]a Indians 7th December, 1792, though purchased as early as 1784. This purchase in 1784 was to procure for that part of the Six Nation[s] Indians coming into Canada a permanent abode. The area included in this Treaty is, Lincoln County excepting Niagara Township; Saltfleet, Binbrook, Barton, Glanford and Acaster Townships, in Wentworth County, Brantford, Onondaga, Tusc[a]r[o]ra, Oakland and Burford Townships in Brand County; East and West Oxford, North and South Norwich, and Dereham Townships in Oxford County; North Dorchester Township in Middlesex County; South Dorchester, Malahide and Bayham Townships in Elgin County; all Norfolk and Haldimand Counties; Pelham, Wainfleet, Thorold, Cumberland and Humberstone Townships in Welland County.

(Morris 1943:17-18)

Following actual survey and a geographical revision of the first version, the treaty lands were described as:

All that parcel or tract of land lying and being between the Lakes Ontario and Erie, beginning at Lake Ontario, four miles south westerly from the point opposite to Niagara Fort, known by the name of Mississa[uga] Point, and running from thence along the said lake to the creek that falls from a small lake, known by the name of Washquarter into the said Lake Ontario, and from thence north forty-five degrees west, fifty miles; thence south forty-five degrees west, twenty miles; and thence south until it strikes the River La Tranche; then down the stream of the said river to that part or place where a due south course will lead to the mouth of Catfish Creek emptying into Lake Erie, and from the above mentioned part or place of the aforementioned River La Tranche following the south course to the mouth of the said Catfish Creek; thence down Lake Erie to the lands heretofore purchased from the Nation of Mississa[uga] Indians; and from thence along the said purchase at Lake Ontario, at the place of beginning as above mentioned, together with all the woods, ways, paths, water, watercourses and appurtenances thereunto belonging.

(Morris 1943:18)

The Treaty was signed by six representatives of the King, John Butter, R. Hamilton, Robert Kerr, Peter Russell, John McGill and David William Smith and five Mississauga chiefs, Wabukanyne (or Wabukayine), Wabanip, Kautubus (or Kautabus), Wabaninship and Mattatow together with J. Graves Simcoe (Morris 1943:18).

Presently, the closest First Nations communities to the study area are the Six Nations of the Grand River First Nation and The Mississaugas of the New Credit First Nation located approximately 63 kilometres to the west.



1.2.2 Historic Euro-Canadian Context

The study area falls within the former Geographical Township of Humberstone, Welland County (Map 4). The township was first settled in 1785. By 1817, the township comprised 75 inhabited houses. As of 1875, the population was approximately 4400, including Port Colborne, which became an incorporated village in 1870 (Page 1876:11). By 1859, Port Colborne was the southern terminus of the Welland Railway, passing through the western portion of the township, and was also an important stop on the Grand Trunk Railway's Buffalo and Goderich Division (Page 1876:11; Russell 2011). At that time, the Welland Railway Company's grain elevator in Port Colborne was capable of off-loading 45,000 bushels of grain per hour from ships and transferring these stores to rail cars (Page 1876:11).

Work on the Welland Canal project began in 1824 and cut through the western side of the township (Page 1876:11). The route of the canal changed in subsequent years (Westwater 2010) and Page makes reference to the enlargement of the canal still underway in 1875 (Page 1876:11). Work on this Third Welland Canal was completed in 1881 and it remained in use until it was decommissioned in 1932 (Westwater 2010).

In 1875, the Canada Southern Railway cut across the extreme northeastern corner of Humberstone Township (Page 1876). The Canada Air Line Railway, competitor to the Canada Southern Railway, was chartered by the Great Western Railway in 1869 and completed in 1873. This line runs east-west through Humberstone Township and cuts across the study area. During the late 19th century, the closest villages would have been Humberstone (Petersburg) and Port Colborne, approximately three kilometres and five kilometres, respectively, to the southwest of the study area.

There is evidence of the past agricultural use of the land in the study area from the historical documents discussed in the Stage 1 report (Golder 2012) and this has continued until the present day. Extensive earth movement and disturbance, however, has also been documented (Golder 2012).

1.2.2.1 Lot 19, Concession 5, Township of Humberstone

A portion of the study area is located within Lot 19, Concession 5, former Township of Humberstone, now R.M. of Niagara (Map 5). The southern half of Lot 19 is listed in the 1876 *Illustrated Historical Atlas of the Counties of Lincoln and Welland, Ontario*, as being owned by H. Minnes (Page 1876) (Map 4). Two structures are shown on Lot 19 within the limits of Minnes's portion of the lot. Given that archaeological potential was noted for this area in the Stage 1 report (Golder 2012; see also Section 5.0, below), a detailed history of this property was created through the consultation of early land documents and census schedules.

The land registry abstract obtained for Lot 19 indicates the patent for the lot was issued to the Honourable Robert Hamilton in 1802 as part of a larger parcel of lots including Lots 13 to 20, Concession 5, in Humberstone Township. Robert Hamilton amassed an impressive 130,170 acres of land, only 11% of which he received by Crown grant, and otherwise acquired through direct purchase, mortgages, and debt payment (Wilson 2003). Changes in markets and increased rivalry in Hamilton's two main economic ventures (military provisions contracts and portaging) created financial strain in the transition into the 19th century. Upon Hamilton's death in 1809, a series of complications that compounded the declining business profits arose, including the War of 1812, "and a complex will that virtually froze the assets of his estate until 1823" (Wilson 2003). Two of Hamilton's cousins: Thomas Clark and William Dickson acted as 'devisees in trust' according to his will (Wilson 2003). In



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

1833 a portion of Lot 19 was sold to Samuel Street, a business partner of Thomas Clark and assignee of William Dickson for this transaction. This sale was organized by Richard Leonard; the transfer of a Sheriff's Deed that was created for the payment of taxes owed. In 1834 William Dickson and Thomas Clark sold the entirety of Lot 19 to Samuel Street. The lot was split and in 1836 the southern half was sold to Abraham Augustine, who immediately subdivided his half and sold the eastern half to George Peacock. Peacock is listed as owning the southeastern portion of the lot until 1842 when he sold it back to Augustine for the same amount of money. In 1855 the southeastern part was sold to Abraham T. Augustine and the southwestern part was sold to Simeon Augustine. Very briefly part of the property was owned by Abraham Neff before he sold to Matthias Minnes in 1864. In 1866 the southwestern portion of Lot 19 was sold to Henry Minnes, who then in 1868 also purchased the southeastern portion. Henry Minnes remains owner of the entire southern half of Lot 19 up to the late 1880s which illustrates the extent of the recovered land registry abstract for the property.

A detailed listing of the land registry abstract for Lot 19 from the Patent in 1802 to 1887 is presented in Table 1.

Table 1: Land Registry Abstract for Lot 19, Concession 5, Township of Humberstone

Ins. No.	Instrument	Registration Date	Grantor	Grantee	Consideration	Land and Remarks
	Patent	17 May 1802	Crown	Hon. Robert Hamilton		All lots 13 to 20 inclusive, 1600acres
9444	S. Deed for Taxes	25 Nov 1833	Richard Leonard, Sheriff	Samuel Street assignee of William Dickson	£33	pt of 19, 19 acres
9992	Bargain & Sale	20 Nov 1834	William Dickson & Thomas Clark (trustees under the will of Robert Hamilton)	Samuel Street	£125	Lot 19, Con 5, 200acres
10791	Bargain & Sale	9 Apr 1836	Samuel Street	Abraham Augustine	£69	S1/2 of 19, 100acres
10792	Bargain & Sale	9 Apr 1836	Abraham Augustine	George Peacock	£35	E1/2 of S1/2 of 19, 50acres
895	Bargain & Sale	7 Jul 1842	George Peacock	Abraham Augustine	£35	E1/2 of S1/2 of 19, 50acres
1219	Bargain & Sale	13 Mar 1843	Samuel Street	Deborah Yokom	£62	E1/2 of N1/2 of 19, 50acres
1682	Bargain & Sale	1 Mar 1854	Thomas C. Street	Homer Yokom	£31	W1/2 of N1/2 of 19, 50acres
3205	Bargain & Sale	11 Oct 1855	Abraham Augustine	Abraham T. Augustine	£250	E1/2 of S1/2 of 19, 50acres, and other land



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

3206	Bargain & Sale	11 Oct 1855	Abraham Augustine	Simeon Augustine	£250	W1/2 of S1/2 of 19, 50acres, and other land
13013	Bargain & Sale	6 Dec 1864	Abraham T. Augustine et ux.	Abraham Neff.	\$1,000	E1/2 of S1/2 of 19, 50acres
13057	Bargain & Sale	26 Dec 1864	Abraham Neff et ux.	Matthias Minnes	\$1,000	E1/2 of S1/2 of 19, 50acres
762	Bargain & Sale	30 Aug 1866	Simeon Augustine	Henry Minnes	\$1,000	W1/2 of S1/2 of 19, 50acres
64	Bargain & Sale	29 Aug 1868	Matthias Minnes	Henry Minnes	\$2,000	E1/2 of S1/2 of 19, 50acres
441	Bargain & Sale	19 Sep 1870	Homer Yokom	Philip Mothersill	\$1,500	W1/2 of N1/2 of 19, 50acres
706	Bargain & Sale	22 July 1872	Henry Minnes	The Great Western Railway Co.	\$1,025	10 54/100 acres pt Lot 19
799	Bargain & Sale	14 Feb 1873	Philip Mothersill et ux.	Francis Mothersill	\$1,500	same as No. 441
2044	Bargain & Sale	10 Dec 1879	Francis Mothersill	James W. Mothersill	\$3,000	W1/2 of N1/2 of 19, 50acres
2294	Chancery Court Lis pend	11 Jun 1881	James Corarau (Pltf)	Frank Mothersill and James W. Mothersill (Defts)		W1/2 of N1/2 of 19, 50acres
2374	Sheriffs Deed	29 Dec 1881	George J. Duncan, Sheriff	Elias Burgan		The interest 361.72 of F. Mothersill in W1/2 of N1/2 of 19
2846	Bargain & Sale	5 Dec 1884	Elias Burgan et ux.	Gottlub Schloffil		W1/2 of N1/2 of 19, 50acres
3213	Bargain & Sale	24 Mar 1887	Deborah Yokom, Widow	Alex S. Yokom		E1/2 of N1/2 of 19, 50acres
3214	Bargain & Sale	24 Mar 1887	Janus S. Yokom et ux.	William ..oyyn		same as...

It is unlikely that any physical occupation of Lot 19, and specifically the southern half, was undertaken prior to 1855. Robert Hamilton's own residence was in Queenston; he viewed land ownership as a long-term investment and sold very little of his overall holdings in his lifetime (Wilson 2003). At the time of the 1851 Census Abraham Augustine is owner of the southern half of the lot but is not recorded on the available 1851 Census records. In 1855 the southern half of the lot is split and owned by Simeon and Abraham T. Augustine (likely sons of



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Abraham), however, noted in this land transfer are 'other lands' and in the 1861 Census both Augustine's are listed as living on Lot 26, Concession 2. Helpfully this portion of the 1861 Agricultural Census has survived and the following individuals are listed: Lewis Mier (50 acres), Selkirk Yokom (50 acres), Sigman Deumar (100 acres). The northern half of the lot is in the possession of various Yokoms and so the assumption is that Mier and Yokum occupied the northern half and Sigman Deumar was in occupation of the southern half of the lot. This is the first documented resident of the southern portion of Lot 19. By the time of the 1871 Census the southern half of Lot 19 was owned by Henry Minnes (sometimes spelled Minnis). The actual occupation of the southern half of Lot 19 is not confirmed again until 1884. Henry Minnes is likely one of two people: a middle-aged man originally from Prussia who lived in the township 1861 but was living in Welland in 1871 and 1881 or the son of Matthias Minnes, not yet of age but the only Henry Minnes in the township. The 1871 Census shows the family of Matthias Minnes residing at Lot 22, Concession 5 on a property of 240 acres; in 1881 Matthias is listed as a hotel keeper. In the Union Publishing Company's 1884/1885 Directory Henry Minnes is listed as owning Lot 20, Concession 5, Welland, Humberstone Township; Matthias Minnes as owner of Lot 22, Concession 5, Air Line Junction, Humberstone Township (Union Publishing Co. 1885). A tenant (J. Bremus) is listed for Lot 19, Concession 5, Air Line Junction, Humberstone Township. Not listed on the 1876 map, Air Line Junction was where the Great Western Railway (Air Line) crossed the Welland Railway at Lot 21, Concession 5 (Rosenthal 1966). Although the actual residency of the lot may be unknown in the latter half of the 19th century it seems likely that the land was not actually settled until it came into ownership of the Augustine family and that Sigman Deumar may have been the first occupant of the southern half of Lot 19 sometime around to 1861.

1.3 Archaeological Context

1.3.1 Archaeological and Historical Chronology of the R.M. of Niagara

A general outline of the archaeological and historical chronology of the R.M. of Niagara, drawn from chapters in Ellis and Ferris (editors) (1990), spanning the entire pre-contact period and continuing into the post-contact and historic periods is presented in Table 2.

Table 2: Archaeological and Historical Chronology for the R.M. of Niagara

Period	Characteristic Elements	Time Period	Comments
Early Palaeo-Indian	Fluted Projectiles	9000 - 8400 B.C.	spruce parkland/caribou hunters
Late Palaeo-Indian	Hi-Lo Projectiles	8400 - 8000 B.C.	smaller but more numerous sites
Early Archaic	Kirk and Bifurcate Base Points	8000 - 6000 B.C.	slow population growth
Middle Archaic	Brewerton-like points	6000 - 2500 B.C.	environment similar to present
Late Archaic	Narrow Points (e.g. Lamoka)	2000 - 1800 B.C.	increasing site size
	Broad Points	1800 - 1500 B.C.	large chipped lithic tools



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Period	Characteristic Elements	Time Period	Comments
	Small Points	1500 - 1100 B.C.	introduction of bow hunting
late Small Point Late Archaic	Glacial Kame Complex, Hind Points	1100 - 950 B.C.	emergence of true cemeteries
Early Woodland	Meadowood Points	950 - 400 B.C.	introduction of pottery
Middle Woodland	Point Peninsula and Saugeen Complexes, pseudo-scallop shell and dentate stamped ceramics	400 B.C. - A.D. 500/800	increased sedentism
Late Woodland	Princess Point Complex, cord-wrapped stick ceramics	A.D. 500 - 1000	introduction of corn
	Early Ontario Iroquoian	A.D. 1000 - 1300	emergence of agricultural villages
	Middle Ontario Iroquoian	A.D. 1300 - 1400	long longhouses (100m+)
	Late Ontario Iroquoian	A.D. 1400 - 1650	internecine conflict, assimilation and displacement, written documents later in period
	some Five Nations (esp. Seneca) villages near Lake Ontario shore	A.D. 1650 - 1700	Five Nations Iroquois control of the 'Beaver Wars', sparse occupation of southern Ontario
Contact Aboriginal	Algonkian Communities and the Fur Trade	A.D. 1700 - 1875	imperial rivalries, treaties, nation-building
Late Historic	Euro-Canadians and First Nations	A.D. 1796 - present	settlement by Americans, Europeans and others

1.3.2 Pre-Contact Aboriginal Context

Previous archaeological assessments and research surveys in the R.M. of Niagara have demonstrated the presence of pre-contact Aboriginal communities (Archaeologix 2004; Pengelly and Pengelly 1986; Williamson and MacDonald (editors) 1997). The Wainfleet Marsh, southwest of the study area, provided plentiful natural resources for occupation in the area at least since the late Early Archaic Bifurcate Base period (Pengelly and Tinkler 2004). Chert quarries and outcrops are also plentiful in the Port Colborne area with Onondaga chert quarries along the Erie shore (Eley and von Bitter 1989:28) and inland (Archaeologix 2004:3), while Haldimand 'Colborne' chert also occurs inland (Fox 1979:6, 2009:361). Findspots and lithic reduction sites have been documented from the late Palaeo-Indian period on (Archaeologix 2004; Pengelly and Tinkler 2004). During periods of higher water levels in Lake Erie, a greater proportion of sites are recovered inland, as opposed to along the Lake Erie shore. One such period was the Nipissing High Stand, approximately 3780-2490 B.C.,



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

occurring during the Middle Archaic and into the early Late Archaic. Exotic lithic materials from the Midwestern United States declined during this period, possibly implying reduced mobility or exchange (Pengelly and Tinkler 2004).

1.3.3 Summary of Known Archaeological Sites within One Kilometre

During the Stage 1 archaeological assessment, a search in the Ontario Archaeological Sites Database concluded that there were no registered archaeological sites within one kilometre of the study area and that there had not been previous archaeological assessments within 50 metres of the study area (MTCS 2011b). A second search of the Ontario Archaeological Sites Database on December 23, 2013, indicated that no new sites had been registered within one kilometre of the study area and no new assessments had been conducted within 50 metres of the study area since 2011 (MTCS 2013).

1.3.4 The Natural Environment

The study area is situated within the Haldimand Clay Plain physiographic region (Chapman & Putnam 1984:156-159) and is described as

Lying between the Niagara Escarpment and Lake Erie, thus occupying all of the Niagara Peninsula except the fruit belt below the escarpment, the Haldimand clay plain has an area of about 1,350 square miles. Although it was all submerged in Lake Warren, the till is not all buried by stratified clay; it comes to the surface generally in low morainic ridges in the north. In fact, there is in that area a confused intermixture of stratified clay and till. The northern part has more relief than the southern part where the typically level lake plains occur.

(Chapman and Putnam 1984:156)

The soils of the former Welland County are mainly heavy clay and the southern part of the R.M. of Niagara is poorly drained with Wainfleet and Humberstone marshes, featuring peat bogs (Chapman and Putnam 1984:157; Ontario Division of Mines 1972). The lands of Humberstone township are relatively flat and soils are loam and amenable to farming (H.R. Page 1876:11), favourable to farming, although extensive marshland permitted a commercial enterprise in peat cutting for use as fuel by the Ontario Peat Company (H.R. Page 1876:11).

1.3.5 Land Use and Existing Conditions in the Study area

As noted above in Section 1.2.2, canals have featured in the history of landscape modification and commerce within the township. This continued through the 20th century. The Fourth Welland Canals' Welland By-Pass canal was constructed between 1967 and 1973 (Westwater 2010). This served to reduce the number of locks and bridges on the canal system, increase capacity and decrease travel time for shipping (Westwater 2010). The Welland By-Pass serves as the western boundary of the study area. The Canadian Pacific Railway line, immediately south of Highway 58A (Townline Road), is the northern boundary of the study area. Where Highway 58A crosses beneath the Welland By-Pass via the Townline Tunnel, constructed at the same time as this portion of the Welland By-Pass. Excavated spoil from both the By-Pass and the Townline Tunnel have been heaped up along the western and northern edges of the study area in series of massive fill events. These are areas are



indicated in quaternary geology maps (Ontario Division of Mines 1972; Upper Canada Consultants 2011) and available as GIS data layers from the Ontario Ministry of Natural Resources (MTCS 2008). Areas where a number of historic houses, stood in 1875, as depicted by Page (1876:11), are now covered by the soil fill tailings. In consultation with Mr. Robert Poe (personal communication, July 6th, 2012), a now retired employee of the Saint Lawrence Seaway Management Corporation and Mr. Stephen Burman (personal communication, July 9th, 2012), a current employee of the Saint Lawrence Seaway Management Corporation, clearing and grubbing of the areas adjacent the Townline Tunnel and Highway 58A as well the Welland By-Pass in preparation for deposition of soil from the canal and tunnel would have included the clearing of trees and the upstanding portions of any existing houses and other buildings. This may not have included the complete removal of potential structure foundations, however, which would have been buried by the fill events. Evidence of early earthfast structures (constructed on the ground surface with no foundation) is unlikely to have survived the process. Soil fill tailings were deposited in depths of five to 15 metres above the ground surface in the construction of the Townline Tunnel and Welland By-Pass (BLS Planning Associates 2005:3; Fenco MacLaren Inc. 1994:6-6 and Figure 6.1; JFM Environmental 2012:6, 18, Figure 6; Peto MacCallum Ltd. Consulting Engineers 2012:1).

Although the routes of these have been diverted during episodes of canal construction, Lyons Creek runs east-west through the middle of the study area in the vicinity of the Air Line and Indian Creek runs east-west along the southern edge of the study area (Upper Canada Consultants 2011). Page (1876) depicts 'Indian Creek' running in the vicinity of Lyons Creek, although Lyons Creek is not shown. Lyons Creek has been ditched along part of its stretch and is also referred to as Lyons Creek Drain (BLS Planning Associates 2005:4; Fenco MacLaren Inc. 1994:6-4).

In the northern portion of the study area, there is evidence of massive earth moving activities due to the construction of the Townline Tunnel and Highway 58A (Townline Road) (see Maps 1 and 3). The northern face of the soil fill tailings, immediately south of the Canadian Pacific Railway line and Highway 58A (Townline Road), exhibits extensive terracing, due to the volume of relocated soil and measures ostensibly taken to minimize the risk of slump onto the rail line. In the central portion of the study area on Forks Road East, the large piles of soil from the Highway 58A (Townline Road) vicinity were also visible and are the northern boundary of current agricultural fields. West on Forks Road East, more piles of soil fill tailings were observed perpendicular to the tailings to the north at Highway 58A (Townline Road). These soil tailings were less uniform in height and width than those of northern edge of the study area and paralleled the eastern side of the Welland By-Pass canal.

Map 3 illustrates the current surficial geology of the property and surrounding land noting large areas of recent man-made deposits reflecting soil fill tailings.

1.3.6 Dates of Archaeological Fieldwork in the Study Area

This assessment was conducted on May 29 and 30 and June 2, 3 and 4, and August 13, 2014 under the professional archaeological licence of Barbara Leskovec, M.A. (MTCS PIF P346-0022-2013). Martha Tildesley, B.A. (Hons.) (R399) was the licensed field supervisor.



1.3.7 Previous Archaeological Fieldwork in the Study Area

The study area covers approximately 176 hectares, and consists of areas of recently deposited soil fill tailings, planted agricultural land, railway lines, scrubland (largely disturbed) and small bush lots

The Stage 1 archaeological assessment, accounting for a larger area (both Site A and Site B) than reported on here (see Golder 2012), resulted in the determination that the study area has been partially impacted by 20th century disturbance and modification through soil fill tailings deposition, severely limiting the archaeological potential of the western and northern boundaries of the study area. The current and former route of the Air Railway Line, cutting across the north-central portion of the study area from east to west also represents disturbance and those routes are considered to have low archaeological potential. Despite these disturbances, other portions of the study area appear to remain intact. Those areas that were deemed to retain archaeological potential comprised agricultural fields in the south-central and southeastern portion of the area referred to as Site A (the area north of Forks Road East) as well as bush lot and scrub areas in the southwestern (west of soil fill tailings), southeastern (south of Air Railway Line) and central northeastern areas of Site A (south of the soil fill tailings). Additionally, archaeological resources associated with two historic houses, standing in 1876, potentially remained beneath the soil fill tailings in the extreme southwestern portion of the current study area (Site A), east of the Welland By-Pass canal and north of Forks Road East (cf. larger study area in Golder 2012, which included Site B, south of Forks Road East and west of Snider Road). This area was also deemed to retain archaeological potential.

The Stage 1 archaeological assessment of the study area (Golder 2012) determined that there was moderate to high archaeological potential for pre-contact Aboriginal, post-contact Aboriginal and historic Euro-Canadian archaeological remains within the property due to its proximity to marshlands, to Indian Creek and Lyons Creek, as possible waterways and potable water sources, and to historic transportation routes, particularly rail lines, and the presence of known historic inhabitations in the vicinity.

The Stage 1 report recommended Stage 2 test pit survey and pedestrian survey in the southern portion of the study area (Golder 2012:Figure 6).

The revised Stage 1 archaeological assessment report (Golder 2012) was entered into the Ontario Public Register of Archaeological Reports.



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

2.0 FIELD METHODS

The Stage 2 archaeological assessment of the Nyon Energy Park study area was conducted on May 29 and 30 and June 2, 3 and 4, and August 13, 2014, under the field supervision of Martha Tildesley, B.A. (R399). The weather and lighting conditions for all days of the assessment are summarized in Table 3. At no time were the weather or lighting conditions detrimental to the observation or recovery of archaeological resources. Surface visibility of all areas subject to pedestrian survey was at least 85-95% (Image 1; Map 5). Photo locations and directions are presented in Map 5.

Table 3: Summary of Weather and Lighting Conditions During the Stage 2 Archaeological Assessment

Date	Weather	Lighting
May 29, 2014	Sun and cloud mix, cooler in morning with a high of 25 ^o C.	Good
May 30, 2014	Sunny and hot, 25 ^o C. No breeze at all. Very hot in morning. No cloud coverage.	Good
June 2, 2014	Sunny and warm, 19-25 ^o C. Slight breeze (S).	Good
June 3, 2014	Sunny and warm, breezy, 25 ^o C.	Good
June 4, 2014	Sun and cloud mix, 20-25 ^o C. Breezy. Cooler in afternoon.	Good
August 13, 2014	Mix of sun and cloud, approximately 23 ^o C.	Good

Approximately 38.6 hectares of the study area was assessed through pedestrian survey at five-metre intervals (Images 2 and 3; Map 5). When archaeological resources were encountered during pedestrian survey at five-metre intervals, the transect interval was intensified to one metre (Images 4 and 5; Map 5). Pedestrian survey continued at one-metre intervals until a 20-metre radius was established around all archaeological resources wherein no archaeological resources were present. All formal artifact types and diagnostic categories were collected. UTM coordinates of centroids and the artifacts or points representing the furthest site extents in each of the cardinal directions were recorded and are provided in Supplementary Documentation B. A sample of non-diagnostic and non-formal artifact categories was also collected. The locations of all collected archaeological resources were recorded with a Trimble GeoXH6000 series GPS unit (3.5G Edition with Floodlight receiver) with an accuracy of approximately 10 centimetres. At the time of field collection, the GPS unit was set to WGS 1984 (latitude and longitude data) instead of CSRS North American Datum (NAD) 83 (Easting and Northing data), but adjustments were made to convert the data to metres to approximate North American Datum (NAD) 83 with an accuracy of approximately one metre. Additionally, the locations of some non-collected artifacts and landmarks were also recorded and are shown in the Map A (Supplementary Documentation A).

The farm lane running into the agricultural field in the south-central portion of the study area was not assessed, however pedestrian survey was conducted around this linear corridor of approximately five metres width and sites discovered through pedestrian survey likely extend into (under) this lane area.

Approximately 6.4 hectares of the study area was assessed through test pit survey. A small woodlot on the eastern edge of the study area was test pitted at five-metre intervals (Images 6 and 7; Map 5). During test pitting of this portion of the study area, a positive test pit was found, and test pitting was intensified to intervals of 2.5 metres around the positive test pit. Eight further positive test pits were encountered (Image 12; Map 5). As more



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

than 20 historic Euro-Canadian artifacts dating to before A.D. 1900 were observed within these test pits, it was determined that sufficient archaeological resources were encountered to require Stage 3 archaeological assessment, so a one-metre by one-metre test unit was not excavated. The locations of each positive test pit were recorded with a Trimble GeoXH6000 series GPS unit (3.5G Edition with Floodlight receiver) with an accuracy of approximately 10 centimetres. At the time of field collection, the GPS unit was set to WGS 1984 (latitude and longitude data) instead of CSRS North American Datum (NAD) 83 (Easting and Northing data), but adjustments were made to convert the data to metres to approximate North American Datum (NAD) 83 with an accuracy of approximately one metre. All artifacts deriving from these test pits were collected and bagged and tagged by positive test pit number. Since these test pits are immediately adjacent the ploughed field area in which Location 2 was encountered, these positive test pit finds are also attributed to Location 2. Their UTM coordinates are recorded in the Supplementary Documentation B under Location 2. The area to the east of positive test pits was disturbed likely due to construction/expansion of existing waterway (Image 8; Map 5). No further archaeological resources were discovered in this portion of the study area.

The woodlot along the southern edge of the study area was also test pitted at five metre intervals. Most of this area was either disturbed by the construction (or dismantling) of the Canada Air Line Railway or was low-lying and filled with water (Images 9 and 21; map 5). Some areas along the south-eastern margin were gravel-covered and a fill layer was added on top. All of the test pits were a mixture of top soil and subsoil and gravel (Images 10 and 11; Map 5). No archaeological resources were observed.

The woodlot or scrub area to the west was assessed by test pitting at five-metre intervals, commencing at the southeastern corner working northwards. Much of this area comprised soil fill tailings from the construction of the Welland Canal's By-Pass Canal (Images 13, 14 and 17; Map 5). The majority of these test pits were filled with a light grey clay soil mixed with yellow-orange silty clay subsoil fill from the excavation, grading and movement of soil fill tailings pertaining to canal construction (Images 13, 13 and 17, 22; Map 5). Test pit survey was continued judgements on the flatter and less elevated portions of the visibly disturbed areas of the soil fill tailings to document disturbance across this area. The vicinity of the western potential historic structure was very steeply sloped and, it is believed, composed of deep (approximately 10 metres) soil tailings fill deposits (Image 23). Fewer than 10 test pits, located closer to Forks Road East and towards the southeastern portion of this parcel, had not been previously disturbed and were excavated five centimetres into the subsoil layer (Images 15 and 16). These non-disturbed test pits comprised a dark brown silty clay superimposing a yellow-orange silty clay subsoil. The depth of non-disturbed test pits was between 20 and 25 centimetres (Images 18 and 19; Map 5). All test pits were found to be sterile of artifacts, however, subsoil was not encountered across the entire area around this eastern potential historic structure, so the findings of disturbance and lack of artefacts do not represent a complete picture and do not rule out that a foundation may still exist buried beneath the soil tailings fill in this area (see Page 1876). A larger test pit was excavated in the vicinity of the eastern potential historic structure, although began to fill with water before subsoil was reached and excavation was terminated at a depth of approximately 35 centimetres (see Image 22; also Map A in Supplementary Documentation A and the see this test pit's GPS coordinates in the introduction to Supplementary Documentation B).

Beyond the 38.6 hectares of the study area that was assessed through pedestrian survey and 6.4 hectares of the study area that was assessed through test pit survey, approximately 3.9 hectares of Environmental Protection Zone passes through the southeast corner of the study area, though is not included within the study area, and the remaining 127.1 hectares was covered between five and 15 metres of recently deposited soil overburden and was not assessed (Map 5). The majority of the study area covered by recently deposited soil



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

overburden was identified during the Stage 1 archaeological assessment as having low archaeological potential and did not require Stage 2 assessment.

The Environmental Protection (EP) Zone provides a protective buffer around the watercourse in the southeastern portion of the study area. This area was excluded from the study area for the Stage 1 archaeological assessment because these lands are not developable (Golder 2012). This area was also external to the study area as defined for this Stage 2 archaeological assessment. The EP Zone was defined in the field by first receiving from MMM Group Limited in early 2014 the file *Nyon_Concept_Plan-Option_A-20140130.dwg* (see Map 2, below; cf. Figure 2 in Golder 2012). The EP Zone Polygon from this CAD file was converted to ESRI ArcGIS shapefile format using the Export/Convert function. This EP Zone shapefile was then uploaded to the handheld GPS unit noted above. In the field, the EP Zone boundary was visible on the GPS unit screen along with the location or positional tracker cursor/cross-hair and artifact collection was not undertaken within that EP Zone boundary.

At first consideration, the position of the watercourse running through the EP Zone would suggest that 'Indian Creek' in Page's 1876 map (see Map 4, below) was altered at some time after 1876. Aerial imagery from October 1934 shows the creek much as it is today, however. The existing creek's overall sinuous route or shape is similar to that seen in the 1876 map, but it appears to be shifted east by approximately one lot's width and perhaps south as well near its eastern extent. While it is possible that the 1876 map is incorrect or not to scale, instead, it is now believed that the 1876 map traces a creek that is essentially obliterated or filled in today and possibly was also just a vestige in 1934, based on the vague field lines that appear to reflect Indian Creek very close to as it was in the 1876 rendering. Lyons Creek or Lyon's Creek Drain, the watercourse running through the EP Zone, which was mentioned above and in the Stage 1 report (Golder 2012:5), then, does not now appear to follow the route of Indian Creek anywhere in the vicinity of the study area and may be a relatively modern construct as the term 'drain' may imply. One other possibility is that Lyons Creek was simply left off the 1876 map and has perhaps increased in importance following 1876. This would require that the two creeks crossed each other, however, which is unlikely in this topographic situation.

Of some note, when the 1876 Indian Creek is plotted on satellite imagery and the archaeological sites are superimposed, the sites in the south-central portion of the study area appear to be contained within or abut the tight creek bend seen in the southeastern area of Lot 18 as depicted in Map 4, below. Minor discrepancies in mapping and plotting between the sources and datasets were noted, for example between the 1876 lot lines and those generated by modern shapefiles, however Map 56, below, gives a close match between modern GIS and satellite imagery and the 1876 mapping. Map B in the Supplementary Documentation plots the archaeological sites in relation to the creek and provides a strong case for the correlation between the bend in the creek and some of the sites in the south-central portion of the study area, some appearing to respect the inside bend and others the outside bend.



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

The City of Port Colborne Official Plan (City of Port Colborne 2013) defines Environmental Protection Areas as:

Areas designated as Environmental Protection on Schedule B are those lands that are classified as Provincially significant wetlands (PSW's), Provincially Significant Areas of natural and scientific interest (ANSI's), the Significant Habitat of Threatened and Endangered species and Natural Hazard Areas as identified on Schedule B1. The predominant uses for lands designated Environmental Protection Area shall include forest, fish and wildlife management; small-scale passive recreational uses and accessory uses such as: trails, boardwalks, footbridges, fences, docks and picnic facilities that will not negatively impact on the natural features or ecological function of the areas; and conservation and flood erosion control projects where it has been demonstrated that they are necessary in the public interest and no other alternatives are available.

(City of Port Colborne 2013)

Notwithstanding the protected status of this area and its avoidance during the Stage 2 archaeological assessment, **should future development be proposed that would impact this area it will require Stage 1 and 2 archaeological assessment.**

A total of 49 archaeological sites were identified within the study area during the Stage 2 archaeological assessment (Maps 6-54). Three sites appear to be purely historic Euro-Canadian (Location 4A, Location 4C and Location 51), one site, Location 2 is mainly historic Euro-Canadian with a small number of pre-contact Aboriginal finds and the remaining 45 sites are either solely or mainly pre-contact Aboriginal sites, some of which containing a small number of historic Euro-Canadian items (e.g. Gordon Baker Site). **A total of 25 of these sites retain archaeological significance and are recommended for further archaeological investigation.** The remaining 24 sites are of low archaeological significance and are not recommended for further archaeological work. Map A in Supplementary Documentation A shows the location of these sites within the study area.



3.0 RECORD OF FINDS

An inventory of the documentary record generated by Stage 2 fieldwork at the study area is provided in Table 4.

Table 4: Inventory of Documentary Record

Document Type	Current Location of Document Type	Additional Comments	Quantity
Field Notes	Golder offices in Mississauga	In original field book and photocopied in project file, and stored digitally in project folder	53 pages in original field book
Maps Provided by Client	Golder offices in Mississauga	In project file	1 Concept Plan Option A (20140130) 1 R-Plan (May 15, 2014) 1 ZBLA Schedule (20130411)
Digital Photographs	Golder offices in Mississauga	Stored digitally in project file	153 jpeg files (452 MB)
UTM Coordinates	Golder offices in Mississauga	Stored digitally in project file	1 Excel Spreadsheet - see also Supplementary Documentation B

The recovered artifacts have been washed, catalogued, and analyzed and are currently stored in one banker's box, measuring 40.0 centimetres by 31.5 centimetres by 25.0 centimetres, in Golder's Mississauga office. The artifacts and documents will be stored by Golder until arrangements can be made to transfer them to an MTCS-approved collections facility.

The Nyon Energy Park pre-contact lithic assemblages are comprised of the following lithic materials:

- **Haldimand chert:** a relatively high quality raw material that outcrops along the Bois Blanc formation between Kohler and Hagersville, as well as in Cayuga, Ontario (Eley and von Bitter 1989; Fox 2009; see also Chapman and Putnam 1984:Figure 16).
- **Onondaga chert:** a high quality raw material that outcrops along the north shore of Lake Erie east of the mouth of the Grand River. This material can also be recovered from secondary, glacial deposits across much of southwestern Ontario, east of Chatham.
- **Kettle Point chert:** a relatively high quality raw material that outcrops between Kettle Point and Ipperwash, on Lake Huron. Currently, Kettle Point occurs as submerged outcrops extending for approximately 1350 metres into Lake Huron. Secondary deposits of Kettle Point chert have been reported in Essex County and in the Ausable Basin (Eley and von Bitter 1989; Fox 2009:362).

All chert type identifications were accomplished visually using reference materials located in Golder's Mississauga and St. Catharines offices. The lithic flake or chipping detritus assemblage was subject to morphological analysis following the classification scheme described by Lennox et al. (1986) and expanded upon by Fisher (1997), with the exception that no attempt was made to distinguish "primary" from "primary bipolar" flakes. This system is described further in Appendix A.



3.1 Gordon Baker Site (AfGt-202)

All diagnostic artifacts and formal tools were collected and a selection of other artifact types was collected in order to document the Gordon Baker site's extent, consistent with Section 2.1.1 Standard 8 and Standard 9 of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011). The artifact surface scatter, comprising approximately 110 artifacts, the majority of which were pre-contact Aboriginal with a small number of historic Euro-Canadian artifacts, measured approximately 65 metres by 55 metres. In total, 40 artifacts were recovered from the site (Table 5). The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 6 and in Map A, Supplementary Documentation A.

Table 5: Gordon Baker Site Artifact Summary

Artifacts	Frequency	%
Pre-Contact Aboriginal Artifacts		
body sherd	14	35
projectile point	1	2.5
projectile point preform	1	2.5
spokeshave	1	2.5
drill	1	2.5
perforator	1	2.5
retouched flake	4	10
utilized flake	4	10
combination tool	1	2.5
notched flake	1	2.5
secondary flake	3	7.5
tertiary flake	2	5
flake fragment	3	7.5
Total Pre-Contact Aboriginal Artifacts	37	92.5
Historic Euro-Canadian Artifacts		
pipe stem	1	2.5
coarse red earthenware	1	2.5
metal, miscellaneous	1	2.5
Total Historic Euro-Canadian Artifacts	3	7.5
Total Stage 2 Artifacts Collected	40	100



3.1.1 Gordon Baker Site (AfGt-202) Pre-Contact Aboriginal Artifacts

Fourteen pre-contact Aboriginal ceramic body sherds and 23 lithic specimens, 15 of which lithic tools, were recovered (Image 29 and 30) from the Gordon Baker site. The ceramics are believed to represent the Uren Substage (c. A.D. 1300-1350) (Dodd et al. 1990:330; Ferris and Spence 1995:112). One projectile point and one projectile point preform were recovered from the site. The projectile point is identified as either being a Port Maitland or Nanticoke Notched variety. In Ontario, the Port Maitland projectile point type dates to *circa* A.D. 500-800, during the late Middle Woodland and/or early Late Woodland (Fox 1990:175; Ritchie 1971:125; Spence et al. 1990:151-157) and the Nanticoke Notched projectile point type dates to *circa* A.D. 1400-1650, during the late Late Woodland to the time of early Contact (Fox 1981b, 1981c; Lennox and Fitzgerald 1990:421-423). The projectile point preform is indistinct and may be of the Levanna, Glen Meyer, Daniels or Madison varieties.

3.1.1.1 Gordon Baker Site (AfGt-202) Pre-Contact Aboriginal Artifact Metrics

The characteristics and metrics of these vessels fragments and the formal lithic tools are provided in Table 6.

Table 6: Gordon Baker Site Artifact Metrics

Loc.	Cat. No.	Tool/Vessel	Material	Length (mm)	Width (mm)	Thickness (mm)	Comments
Gordon Baker Site	2	body sherd	Aboriginal ceramic	17.30	8.60	4.43	cord-malleated or smoothed-over cord
Gordon Baker Site	3	body sherd	Aboriginal ceramic	11.17	10.13	4.76	cord-malleated or smoothed-over cord
Gordon Baker Site	4	body sherd	Aboriginal ceramic	47.10	26.58	4.22	smoothed-over or wiped ribbed paddle
Gordon Baker Site	5	body sherd	Aboriginal ceramic	30.03	18.20	4.57	smoothed-over cord
Gordon Baker Site	6	body sherd	Aboriginal ceramic	22.93	19.70	4.50	smoothed-over cord
Gordon Baker Site	7	body sherd	Aboriginal ceramic	24.02	17.31	4.47	smoothed-over cord
Gordon Baker Site	8	body sherd	Aboriginal ceramic	25.87	15.48	4.42	smoothed-over cord
Gordon Baker Site	9	body sherd	Aboriginal ceramic	19.60	18.94	4.23	smoothed-over cord, possible encrustation



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Loc.	Cat. No.	Tool/Vessel	Material	Length (mm)	Width (mm)	Thickness (mm)	Comments
Gordon Baker Site	10	body sherd	Aboriginal ceramic	22.34	18.91	4.52	smoothed-over cord
Gordon Baker Site	11	body sherd	Aboriginal ceramic	18.46	17.09	3.95	smoothed-over cord
Gordon Baker Site	12	body sherd	Aboriginal ceramic	17.23	16.63	2.56	smoothed-over cord, exfoliated wall
Gordon Baker Site	13	body sherd	Aboriginal ceramic	8.43	6.71	4.33	smoothed-over cord
Gordon Baker Site	14	body sherd	Aboriginal ceramic	23.99	16.80	4.19	smoothed-over cord
Gordon Baker Site	16	drill	Onondaga	21.03	21.71	5.07	T-base, bifacial
Gordon Baker Site	17	projectile point preform	Onondaga	32.57	25.63	11.02	Levanna or Glen Meyer Tanged or possibly Daniels or Madison preform, on large end of spectrum for latter two, apparent discard (failed to thin)
Gordon Baker Site	18	body sherd	Aboriginal ceramic	22.07	13.96	5.67	cord-malleated
Gordon Baker Site	22	projectile point	Onondaga	20.46*	25.17	3.20	possible Port Maitland, tip missing, possible Nanticoke Notched with incomplete notching
Gordon Baker Site	25	spokeshave	Onondaga	40.08	21.20	6.37	secondary flake, possible haft element



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Loc.	Cat. No.	Tool/Vessel	Material	Length (mm)	Width (mm)	Thickness (mm)	Comments
Gordon Baker Site	26	combination tool	Onondaga	26.80	29.37	5.29	flake fragment, likely secondary flake, spokeshave, utilized laterals, possible graver spur or micro end scraper
Gordon Baker Site	34	notched flake	Onondaga	16.43*	17.02	1.95	flake fragment, likely tertiary flake, may simply be retouched flake, but appears corner-notched, perhaps haft element, tip missing
Gordon Baker Site	37	perforator	Onondaga	26.48	20.65	12.02	secondary flake

* measurements on incomplete pieces

3.1.1.2 Gordon Baker Site (AfGt-202) Chipping Detritus

Eight pieces of Onondaga chert chipping detritus were observed and recovered from the Gordon Baker Site. One tertiary flake had been burnt. Although the sample size is small it can be suggested that because secondary flakes, tertiary flakes and flake fragments comprise the chipping detritus assemblage, primary reduction was likely occurring off-site, while tool production and refinement was occurring at the site. A breakdown of the chipping detritus sample collected by morphology and raw material type is provided in Table 7.

Table 7: Gordon Baker Site Chipping Detritus

Chert	Secondary Flake		Tertiary Flake		Flake Fragment		Total	
	No.	%	No.	%	No.	%	No.	%
Onondaga	3	37.50	1	12.50	3	37.50	7	87.50
Burnt Onondaga	0	0.00	1	12.50	0	0.00	1	12.50
Total	3	37.50	2	25.00	3	37.50	8	100.00

3.1.2 Gordon Baker Site (AfGt-202) Historic Euro-Canadian Artifacts

Three historic Euro-Canadian artifacts were recovered at the site. One of these is a white ball clay pipe stem fragment.



3.2 Nyon Energy Park Location 2 (AfGt-203)

All diagnostic artifacts and formal tools were collected and a selection of other artifact types was collected in order to document the site's extent, consistent with Section 2.1.1 Standard 8 and Standard 9 of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011). The artifact surface scatter, comprising over 200 artifacts and including a small sample of pre-contact Aboriginal artifacts with a preponderance of historic Euro-Canadian artifacts, measured approximately 100 metres by 120 metres. Test pit survey of the adjacent bush lot produced 40 historic Euro-Canadian artifacts across nine positive test pits also associated with Location 2. In total, 254 artifacts were recovered from the site (Table 9). The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 7 and in Map A, Supplementary Documentation A.

Table 8: Nyon Energy Park Location 2 Artifact Summary

Artifact	Frequency	%
Pre-Contact Aboriginal		
projectile point	1	0.39
core	1	0.39
utilized flake	1	0.39
secondary flake	1	0.39
flake fragment	1	0.39
Total Pre-Contact Aboriginal	5	1.96
Historic Euro-Canadian		
Refined Ceramics		
ceramic, undetermined	3	1.18
ceramic, unidentified	22	8.66
creamware, banded	1	0.39
creamware, moulded	1	0.39
creamware, plain	5	1.96
ironstone, moulded	2	0.78
ironstone, painted	1	0.39
ironstone, plain	9	3.54
ironstone, transfer print	5	1.96
pearlware, banded	4	1.57
pearlware, edged	4	1.57
pearlware, moulded	1	0.39
pearlware, painted	8	3.15
pearlware, plain	20	7.87
pearlware, sponged	1	0.39
porcelain, plain	3	1.18



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Artifact	Frequency	%
porcelain, transfer print	2	0.78
refined white earthenware, banded	1	0.39
refined white earthenware, edged	4	1.57
refined white earthenware, moulded	1	0.39
refined white earthenware, painted	1	0.39
refined white earthenware, plain	35	13.78
refined white earthenware, sponged	1	0.39
refined white earthenware, stamped	2	0.78
refined white earthenware, tile	1	0.39
refined white earthenware, transfer print	6	2.36
vitrified white earthenware, painted	1	0.39
vitrified white earthenware, plain	7	2.75
vitrified white earthenware, transfer print	2	0.78
Utilitarian Wares		
coarse earthenware, red	12	4.72
stoneware, plain	5	1.96
stoneware, salt glazed	4	1.57
redware, plain	3	1.18
yellowware, plain	4	1.57
Glass Vessels		
glass, bottle	24	9.44
glass, dish	2	0.78
Personal Items		
white clay pipe, bowl	1	0.39
white clay pipe, stem	3	1.18
button, bone	1	0.39
Hunting Items		
bullet shell casing	3	1.18
Metal		
bolt, metal	1	0.39
slag	1	0.39
strap, metal	2	0.78
Structural Items		
brick	3	1.18
glass, window	2	0.78



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Artifact	Frequency	%
mortar	5	1.96
nail, cut	2	0.78
nail, undetermined	2	0.78
nail, unidentified	1	0.39
nail, wire drawn	10	3.93
Faunal Remains		
faunal remains	3	1.18
Recent Material		
recent material	1	0.39
Total Historic Euro-Canadian	249	98.03
Total	254	100.00

3.2.1 Nyon Energy Park Location 2 Pre-Contact Aboriginal Artifacts

Two pre-contact Aboriginal lithic tools, including a possible Kramer variety projectile point base (Image 32) and one multidirectional core were recovered from the site. In Ontario, the Kramer projectile point type dates to *circa* 500 B.C. – A.D. 1, during the Early to Middle Woodland (Parker 1992:8).

3.2.1.1 Nyon Energy Park Location 2 Pre-Contact Aboriginal Artifact Metrics

The characteristics and metrics of the projectile point collected from Location 2 is provided in the Table 10.

Table 9: Nyon Energy Park Location 2 Artifact Metrics

Loc.	Cat. #	Tool	Material	Length (mm)	Width (mm)	Thickness (mm)	Comments
2	102	projectile point	burnt Onondaga	26.83*	26.65	9.41	possible Kramer, barbs/shoulders and stem, tip missing.

* measurements on incomplete pieces

3.2.1.2 Nyon Energy Park Location 2 Chipping Detritus

Two pieces of chipping detritus were collected from Nyon Energy Park Location 2. One was of Haldimand chert and one was of Onondaga chert. Sample size is too small to suggest lithic tool reduction strategies or focus at the site. A breakdown of the chipping detritus sample collected by morphology and raw material type is provided in Table 11.



Table 10: Nyon Energy Park Location 2 Chipping Detritus

Chert	Secondary Flake		Flake Fragment		Total	
	No.	%	No.	%	No.	%
Onondaga	1	50.00	0	0.00	1	50.00
Haldimand	0	0.00	1	50.00	1	50.00
Total	1	50.00	1	50.00	2	100.00

3.2.2 Nyon Energy Park Location 2 Historic Euro-Canadian Artifacts

A total of 249 historic Euro-Canadian artifacts were recovered from Location 2 (Image 31 and 32). Mid to late 19th-century ceramic tablewares such as refined white earthenwares and ironstone pieces are most prevalent in the ceramic assemblage. A fair number of early 19th-century creamwares and pearlwares were also recovered indicating an occupation pre-dating 1830.

Plain undecorated wares are most prevalent, supplemented by transfer printed, moulded, painted, edged, banded and sponged pieces. The blue- and green-edged wares exhibit a scalloped rim with an impressed curved line motif popular between 1795 and 1845, and the scalloped rim and unmoulded marley produced between 1825 to 1891 (Stelle 2011). Many of the painted wares exhibit the early palette hues of blue, brown and yellow popular from 1795 to 1820. The ceramic assemblage also includes 19th-century Jackfield-type teapot fragments, blue floral transfer prints, inexpensive sponged wares popular between 1840 and 1870, and Ceres-patterned ironstone. The manufacturer's marks present on the ceramic wares are unidentified.

The historic Euro-Canadian assemblage contains cuts nails, produced post-1830, a bone button, white smoking pipes, plate-moulded pharmaceutical bottles and pressed glass pieces, all items common to 19th-century homesteads. Pressed glass items of various forms such as plates, compotes, and goblets, often with intricate decoration, were very popular in Canada from the 1870s to the 1920s (Adams *et al.* 1994).

3.3 Nyon Energy Park Location 3 (AfGt-204)

All diagnostic artifacts and formal tools observed at Location 3 were collected as was a selection of other artifact types in order to document the site's extent, consistent with Section 2.1.1 Standard 8 and Standard 9 of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011). The artifact surface scatter, comprising approximately 265 artifacts, the majority of which were pre-contact Aboriginal with a very small sample of historic Euro-Canadian artifacts, measured approximately 75 metres by 150 metres. In total, 18 artifacts were recovered from the site. All observed historic Euro-Canadian artifacts were collected. The following table provides a summary of these collected artifacts. The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 8 and in Map A, Supplementary Documentation A.



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Table 11: Nyon Energy Park Location 3 Artifact Summary

Artifacts	Frequency	%
Pre-Contact Aboriginal Artifacts		
projectile point	2	11.11
drill	1	5.55
retouched flake	3	16.66
utilized flake	2	11.11
core	1	5.55
flake fragment	4	22.22
Total Pre-Contact Aboriginal Artifacts	13	72.22
Historic Euro-Canadian Artifacts		
refined white earthenware	5	27.77
Total Historic Euro-Canadian Artifacts	5	27.77
Total Stage 2 Artifacts Collected	18	100

3.3.1 Nyon Energy Park Location 3 Pre-Contact Aboriginal Artifacts

Eight pre-contact Aboriginal lithic tools and one multidirectional core, manufactured from Onondaga chert, were recovered from Location 3 (Image 33). Two projectile points were collected, a Nanticoke Triangular with a broken tip and a Lamoka Stemmed variety. In Ontario, the Nanticoke Triangular projectile point type dates to *circa* A.D. 1400-1650, during the late Late Woodland to the time of early Contact (Fox 1981b, 1981c; Lennox and Fitzgerald 1990:421-423). In Ontario, the Lamoka Stemmed projectile point type dates to *circa* 3200-2200 B.C., during the Narrow Point Late Archaic (Ellis et al. 2009:812; Ritchie 1971:29, 82-85).

3.3.1.1 Nyon Energy Park Location 3 Pre-Contact Aboriginal Artifact Metrics

The characteristics and metrics of the formal tools collected from Location 3 are provided in the following table.

Table 12: Nyon Energy Park Location 3 Artifact Metrics

Loc.	Cat. No.	Tool	Material	Length (mm)	Width (mm)	Thickness (mm)	Comments
3	2	projectile point	Haldimand	35.54*	12.16	3.97	Nanticoke Triangular, extreme tip missing
3	6	projectile point	Onondaga	62.09	23.32	7.33	Lamoka Stemmed



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Loc.	Cat. No.	Tool	Material	Length (mm)	Width (mm)	Thickness (mm)	Comments
3	9	drill	Onondaga	24.18*	21.01*	4.48	expanding base, one basal corner missing

* measurements on incomplete pieces

3.3.1.2 Nyon Energy Park Location 3 Chipping Detritus

Four pieces of chipping detritus were collected from Nyon Energy Park Location 3. All of these were of Onondaga chert. Although sample size is small, since flake fragments comprise the chipping detritus assemblage, it is possible that biface refinement was occurring at the site. A breakdown of the chipping detritus sample collected by morphology and raw material type is provided in the following table.

Table 13: Nyon Energy Park Location 3 Chipping Detritus

Chert	Flake Fragment		Total	
	No.	%	No.	%
Onondaga	4	100.00	4	100.00
Total	4	100.00	4	100.00

3.3.2 Nyon Energy Park Location 3 Historic Euro-Canadian Artifacts

Five historic Euro-Canadian artifacts were observed and collected at Location 3. All were refined white earthenware sherds.

3.4 Nyon Energy Park Location 4A

One artifact was observed and collected at Location 4A, despite survey intensification, as described in Section 2.0. This artifact is an historic Euro-Canadian gunflint fragment, manufactured on English Dover flint (Image 34). The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 9 and in Map A, Supplementary Documentation A.

3.5 Nyon Energy Park Location 4B

One pre-contact Aboriginal artifact, a piece of chipping detritus of Onondaga chert, was observed and collected at Location 4B, despite survey intensification, as described in Section 2.0. The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 10 and in Map A, Supplementary Documentation A.



3.6 Nyon Energy Park Location 4C

One 20th century artifact, the metal base of a shotgun shell, was observed and collected at Location 4C, despite survey intensification, as described in Section 2.0 (Image 35). The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 11 and in Map A, Supplementary Documentation A.

3.7 Nyon Energy Park Location 5

All artifacts were collected to document the archaeological site, as per Section 2.1.1 Standard 8 and Standard 9 of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011). The artifact surface scatter, comprising four pre-contact Aboriginal artifacts, all of which were collected, measured approximately 36 metres by 20 metres. The following table provides a summary of these collected artifacts. The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 12 and in Map A, Supplementary Documentation A.

Table 14: Nyon Energy Park Location 5 Artifact Summary

Artifacts	Frequency	%
Core	1	25.000
tertiary flake	2	50.000
flake fragment	1	25.000
Total Stage 2 Artifacts Collected	4	100.00

3.7.1 Nyon Energy Park Location 5 Pre-Contact Aboriginal Artifacts

One multidirectional core, manufactured from Onondaga chert, was recovered from Location 5 along with three lithic flakes, also manufactured from Onondaga chert.

3.7.1.1 Nyon Energy Park Location 5 Chipping Detritus

Three pieces of Onondaga chert chipping detritus were collected from Location 5. The sample size is too small to suggest lithic tool reduction strategies or focus at the site. The presence of a core suggests that at least secondary reduction may have been planned prior to the core being discarded. A breakdown of the chipping detritus sample collected by morphology and raw material type is provided in the following table.

Table 15: Nyon Energy Park Location 5 Chipping Detritus

Chert	Tertiary Flake		Flake Fragment		Total	
	No.	%	No.	%	No.	%
Onondaga	2	66.67	1	33.33	3	100.00
Total	2	66.67	1	33.33	3	100.00



3.8 Nyon Energy Park Location 6 (AfGt-205)

Given the absence of diagnostic artifacts and formal tools at Location 6, a selection of other artifact types was collected in order to document the site's extent, consistent with Section 2.1.1 Standard 8 and Standard 9 of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011). The artifact surface scatter, comprising approximately 13 artifacts, measured approximately 11 metres by 13 metres. In total, four artifacts were recovered from Location 6. The following table provides a summary of these collected artifacts. The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 13 and in Map A, Supplementary Documentation A.

Table 16: Nyon Energy Park Location 6 Artifact Summary

Artifacts	Frequency	%
retouched flake	2	50.00
tertiary flake	1	25.00
flake fragment	1	25.00
Total Stage 2 Artifacts Collected	4	100.00

3.8.1 Nyon Energy Park Location 6 Pre-Contact Aboriginal Artifacts

Two retouched flakes were recovered from Location 6.

3.8.1.1 Nyon Energy Park Location 6 Chipping Detritus

Two pieces of Onondaga chert chipping detritus were collected from Location 6. The sample size is too small to suggest lithic tool reduction strategies or focus at the site. A breakdown of the chipping detritus sample collected by morphology and raw material type is provided in the following table.

Table 17: Nyon Energy Park Location 6 Chipping Detritus

Chert	Tertiary Flake		Flake Fragment		Total	
	No.	%	No.	%	No.	%
Onondaga	1	50.00	1	50.00	2	100.00
Total	1	50.00	1	50.00	2	100.00

3.9 Nyon Energy Park Location 7

One pre-contact Aboriginal artifact, a piece of Onondaga chert chipping detritus, was observed and collected at Location 7, despite survey intensification, as described in Section 2.0. The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 14 and in Map A, Supplementary Documentation A.



3.10 Nyon Energy Park Location 8

All artifacts were collected from Location 8 to document the archaeological site, as per Section 2.1.1 Standard 8 and Standard 9 of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011). The artifact surface scatter, comprising 9 artifacts, measured approximately 45 metres by 20 metres. The following table provides a summary of these collected artifacts. The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 15 and in Map A, Supplementary Documentation A.

Table 18: Nyon Energy Park Location 8 Artifact Summary

Artifacts	Frequency	%
scraper	2	22.22
drill	1	11.11
utilized flake	1	11.11
combination tool	1	11.11
tertiary flake	2	22.22
flake fragment	2	22.22
Total Stage 2 Artifacts Collected	9	100.00

3.10.1 Nyon Energy Park Location 8 Pre-Contact Aboriginal Artifacts

Five pre-contact Aboriginal lithic tools, including two scrapers, a drill and a combination tool were recovered from Location 8 (Image 36).

3.10.1.1 Nyon Energy Park Location 8 Pre-Contact Aboriginal Artifact Metrics

The characteristics and metrics of the formal tools recovered from Location 8 are provided in the following table.

Table 19: Nyon Energy Park Location 8 Artifact Metrics

Loc.	Cat. #	Tool	Material	Length (mm)	Width (mm)	Thickness (mm)	Comments
8	2	combination tool	Onondaga	28.72	19.68	4.37	end scraper, lateral margins utilized or retouched, flake fragment, likely tertiary flake
8	3	drill	Onondaga	17.23	18.13	4.98	bifacial, short bit, mauve patina



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Loc.	Cat. #	Tool	Material	Length (mm)	Width (mm)	Thickness (mm)	Comments
8	4	scraper	Onondaga	56.50	26.56	9.68	side, opposing lateral margin also retouched, crescent-shaped, flake fragment, likely secondary flake
8	7	scraper	Onondaga	14.61	22.43	3.33	thumbnail end, flake fragment, possible tertiary flake

3.10.1.2 Nyon Energy Park Location 8 Chipping Detritus

Four pieces of Onondaga chert chipping detritus were collected from Location 8. One piece of chipping detritus was burnt. The sample size is too small to suggest lithic tool reduction strategies or focus at the site. Biface reduction or refurbishment appears to have occurred, however. A breakdown of the chipping detritus sample collected by morphology and raw material type is provided in the following table.

Table 20: Nyon Energy Park Location 8 Chipping Detritus

Chert	Tertiary Flake		Flake Fragment		Total	
	No.	%	No.	%	No.	%
Onondaga	2	50.00	1	25.00	3	75.00
Burnt Onondaga	0	0.00	1	25.00	1	25.00
Total	2	50.00	2	50.00	4	100.00

3.11 Nyon Energy Park Location 9 (AfGt-206)

All artifacts were collected from Location 9 to document the archaeological site, as per Section 2.1.1 Standard 8 and Standard 9 of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011). The artifact surface scatter, comprising five artifacts, measured approximately 6 metres by 6 metres. The following table provides a summary of these collected artifacts. The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 16 and in Map A, Supplementary Documentation A.

Table 21: Nyon Energy Park Location 9 Artifact Summary

Artifacts	Frequency	%
biface	1	20.00
scraper	1	20.00
utilized flake	2	40.00



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Artifacts	Frequency	%
flake fragment	1	20.00
Total Stage 2 Artifacts Collected	5	100.00

3.11.1 Nyon Energy Park Location 9 Pre-Contact Aboriginal Artifacts

Four pre-contact Aboriginal lithic tools, including a biface and a scraper, were recovered from Location 9 (Image 37).

3.11.1.1 Nyon Energy Park Location 9 Pre-Contact Aboriginal Artifact Metrics

The characteristics and metrics of the formal tools recovered from Location 9 are provided in the following table.

Table 22: Nyon Energy Park Location 9 Artifact Metrics

Loc.	Cat. #	Tool	Material	Length (mm)	Width (mm)	Thickness (mm)	Comments
9	4	biface	Onondaga	25.85	22.91*	6.63	preform, fragment, apparent retouch
9	5	scraper	Onondaga	29.46	16.88	4.36	end, micro, flake fragment, likely secondary flake

* measurements on incomplete pieces

3.11.1.2 Nyon Energy Park Location 9 Chipping Detritus

One piece of Onondaga chert chipping detritus was collected from Location 9. Sample size is too small to suggest lithic tool reduction strategies or focus at the site. A breakdown of the chipping detritus sample collected by morphology and raw material type is provided in the following table.

Table 23: Nyon Energy Park Location 9 Chipping Detritus

Chert	Flake Fragment		Total	
	No.	%	No.	%
Onondaga	1	100.00	1	100.00
Total	1	100.00	1	100.00



3.12 Nyon Energy Park Location 10 (AfGt-207)

All artifacts were collected from Location 10 to document the archaeological site, as per Section 2.1.1 Standard 8 and Standard 9 of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011). The artifact surface scatter, comprising four pre-contact Aboriginal artifacts, measured approximately nine metres by seven metres. The following table provides a summary of these collected artifacts. The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 17 and in Map A, Supplementary Documentation A.

Table 24: Nyon Energy Park Location 10 Artifact Summary

Artifacts	Frequency	%
retouched flake	2	50.00
tertiary flake	1	25.00
flake fragment	1	25.00
Total Stage 2 Artifacts Collected	4	100.00

3.12.1 Nyon Energy Park Location 10 Pre-Contact Aboriginal Artifacts

Two pre-contact Aboriginal lithic tools, both retouched flakes manufactured from Onondaga chert, were recovered from Location 10.

3.12.1.1 Nyon Energy Park Location 10 Chipping Detritus

Two pieces of Onondaga chert chipping detritus were collected from Location 10. Sample size is too small to suggest lithic tool reduction strategies or focus at the site. Biface reduction or refurbishment appears to have occurred, however. A breakdown of the chipping detritus sample collected by morphology and raw material type is provided in the following table.

Table 25: Nyon Energy Park Location 10 Chipping Detritus

Chert	Tertiary Flake		Flake Fragment		Total	
	No.	%	No.	%	No.	%
Onondaga	1	50.00	1	50.00	2	100.00
Total	1	50.00	1	50.00	2	100.00

3.13 Nyon Energy Park Location 11

One pre-contact Aboriginal artifact, a piece of Onondaga chert chipping detritus, was observed and collected at Location 11, despite survey intensification, as described in Section 2.0. The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 18 and in Map A, Supplementary Documentation A.



3.14 Nyon Energy Park Location 12 (AfGt-208)

Given the absence of diagnostic artifacts and formal tools at Location 12, a selection of other artifact types was collected in order to document the site's extent, consistent with Section 2.1.1 Standard 8 and Standard 9 of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011). The artifact surface scatter, comprising approximately 100 artifacts, all pre-contact Aboriginal lithics, measured approximately 36 metres by 33 metres. In total, 24 artifacts were recovered from the site. The following table provides a summary of these collected artifacts. The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 19 and in Map A, Supplementary Documentation A.

Table 26: Nyon Energy Park Location 12 Artifact Summary

Artifacts	Frequency	%
utilized flake	3	12.50
secondary flake	2	8.33
tertiary flake	10	41.66
flake fragment	9	37.50
Total Stage 2 Artifacts Collected	24	100.00

3.14.1 Nyon Energy Park Location 12 Pre-Contact Aboriginal Artifacts

Three pre-contact Aboriginal lithic tools, all utilized flakes, manufactured from Onondaga chert, were recovered from Location 12.

3.14.1.1 Nyon Energy Park Location 12 Chipping Detritus

Twenty-one pieces of Onondaga chert chipping detritus were collected from Location 12. One piece of chipping detritus was burnt. Because secondary flakes, tertiary flakes and flake fragments comprise the chipping detritus assemblage, primary reduction was likely occurring off-site, while secondary core reduction and tool, likely biface, production and refinement was occurring at the site. A breakdown of the chipping detritus sample collected by morphology and raw material type is provided in the following table.

Table 27: Nyon Energy Park Location 12 Chipping Detritus

Chert	Secondary Flake		Tertiary Flake		Flake Fragment		Total	
	No.	%	No.	%	No.	%	No.	%
Onondaga	2	9.52	10	47.62	8	38.10	20	95.24
Burnt Onondaga	0	0.00	0	0.00	1	4.76	1	4.76
Total	2	9.52	10	47.62	9	42.86	21	100.00



3.15 Nyon Energy Park Location 13 (AfGt-232)

Given the absence of diagnostic artifacts and formal tools at Location 13, a selection of other artifact types was collected in order to document the site's extent consistent with Section 2.1.1 Standard 8 and Standard 9 of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011). The artifact surface scatter, comprising approximately 12 artifacts, measured approximately 8 metres by 19 metres. In total, six artifacts were recovered from the site. The following table provides a summary of these collected artifacts. The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 20 and in Map A, Supplementary Documentation A.

Table 28: Nyon Energy Park Location 13 Artifact Summary

Artifacts	Frequency	%
retouched flake	2	33.33
tertiary flake	2	33.33
flake fragment	2	33.33
Total Stage 2 Artifacts Collected	6	100.00

3.15.1 Nyon Energy Park Location 13 Pre-Contact Aboriginal Artifacts

Two pre-contact Aboriginal lithic tools comprising two retouched flakes, manufactured from Onondaga chert were recovered from Location 13.

3.15.1.1 Nyon Energy Park Location 13 Chipping Detritus

Four pieces of Onondaga chert chipping detritus were collected from Location 13. The sample size is too small to confirm lithic tool reduction strategies or focus at the site. Biface reduction or refurbishment appears to have occurred, however. A breakdown of the chipping detritus sample collected by morphology and raw material type is provided in the following table.

Table 29: Nyon Energy Park Location 13 Chipping Detritus

Chert	Tertiary Flake		Flake Fragment		Total	
	No.	%	No.	%	No.	%
Onondaga	2	50.00	2	50.00	4	100.00
Total	2	50.00	2	50.00	4	100.00

3.16 Nyon Energy Park Location 14 (AfGt-209)

All diagnostic artifacts and formal tools were collected from Location 14 and a selection of other artifact types were also collected in order to document the site's extent, consistent with Section 2.1.1 Standard 8 and Standard 9 of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011). The artifact surface scatter,



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

comprising over 200 artifacts, measured approximately 52 metres by 85 metres. In total, 15 artifacts were collected from the site. The following table provides a summary of these collected artifacts. The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 21 and in Map A, Supplementary Documentation A.

Table 30: Nyon Energy Park Location 14 Artifact Summary

Artifacts	Frequency	%
projectile point	2	13.33
scraper	2	13.33
retouched flake	2	13.33
utilized flake	3	20.00
primary flake	1	6.66
secondary flake	2	13.33
tertiary flake	3	20.00
Total Stage 2 Artifacts Collected	15	100.00

3.16.1 Nyon Energy Park Location 14 Pre-Contact Aboriginal Artifacts

Nine pre-contact Aboriginal lithic tools, all manufactured from Onondaga chert, were recovered from Location 14 (Image 38). Two projectile points were recovered from Location 14: a possible Brewerton Eared-Triangle and a Madison or Daniels variety with the tip broken. In Ontario, the Brewerton Eared projectile point type dates to *circa* 3780-3200 B.C., during the Middle Archaic (Ellis et al. 2009:807-811; Kenyon 1981; Ritchie 1971:17, 68-69). In Ontario, Daniels Triangular projectile points date to the very late pre-contact period or protohistoric period till the dissolution of the Neutral Nation, approximately A.D. 1550-1650 (Fox 1981a). While it is said that Daniels projectile points are related to the Madison form (see Ritchie 1971) of New York (Fox 1981a), date ranges of A.D. 1200-1400 and/or of A.D. 1400-1450 have been given for Madison-like forms in southwestern Ontario (Murphy and Ferris 1990:218, 225; see also Fox 1981a).

3.16.1.1 Nyon Energy Park Location 14 Pre-Contact Aboriginal Artifact Metrics

The characteristics and metrics of the formal tools collected from Location 14, including two projectile points, are provided in the following table.

Table 31: Nyon Energy Park Location 14 Artifact Metrics

Loc.	Cat. #	Tool	Material	Length (mm)	Width (mm)	Thickness (mm)	Comments
14	2	scraper	Onondaga	33.01	23.71	9.53	end, flake fragment, likely secondary flake



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Loc.	Cat. #	Tool	Material	Length (mm)	Width (mm)	Thickness (mm)	Comments
14	7	projectile point	Onondaga	31.15	28.90*	6.14	possible Brewerton Eared-Triangle, one ear damaged
14	8	scraper	Onondaga	27.72	19.14	6.37	end and side, secondary flake
14	15	projectile point	Onondaga	19.18*	18.31	5.23	Madison or Daniels, tip missing

* measurements on incomplete pieces

3.16.1.2 Nyon Energy Park Location 14 Chipping Detritus

Six pieces of Onondaga chert chipping detritus were collected from Location 14. Two pieces of chipping detritus were burnt. Although sample size is small, it appears that a range of lithic reduction stages was taking place at the site. A breakdown of the chipping detritus sample collected by morphology and raw material type is provided in the following table.

Table 32: Nyon Energy Park Location 14 Chipping Detritus

Chert	Primary Flake		Secondary Flake		Tertiary Flake		Total	
	No.	%	No.	%	No.	%	No.	%
Onondaga	0	0.00	2	33.33	2	33.33	4	66.67
Burnt Onondaga	1	16.67	0	0.00	1	16.67	2	33.33
Total	1	16.67	2	33.33	3	50.00	6	100.00

3.17 Nyon Energy Park Location 15

One pre-contact Aboriginal artifact, a retouched flake, manufactured from Onondaga chert, was observed and collected at Location 15, despite survey intensification, as described in Section 2.0. The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 22 and in Map A, Supplementary Documentation A.

3.18 Nyon Energy Park Location 16 (AfGt-210)

The single formal tool and a selection of other artifact types (all pre-contact Aboriginal) were collected from Location 16 in order to document the site's extent, consistent with Section 2.1.1 Standard 8 and Standard 9 of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011). The artifact surface scatter, comprising approximately 15 artifacts, measured approximately eight metres by 12 metres. In total, seven



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

artifacts were collected from Location 16. The following table provides a summary of these collected artifacts. The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 23 and in Map A, Supplementary Documentation A.

Table 33: Nyon Energy Park Location 16 Artifact Summary

Artifacts	Frequency	%
biface	1	14.29
tertiary flake	2	28.57
flake fragment	4	57.14
Total Stage 2 Artifacts Collected	7	100.00

3.18.1 Nyon Energy Park Location 16 Pre-Contact Aboriginal Artifacts

One pre-contact Aboriginal lithic tool, a biface, manufactured from Onondaga chert, was recovered from Location 16 (Image 39).

3.18.1.1 Nyon Energy Park Location 16 Pre-Contact Aboriginal Artifact Metrics

The characteristics and metrics of the biface recovered at Location 16 are provided in the following table.

Table 34: Nyon Energy Park Location 16 Artifact Metrics

Loc.	Cat. #	Tool	Material	Length (mm)	Width (mm)	Thickness (mm)	Comments
16	4	biface	Onondaga	64.22	51.00	21.15	preform

3.18.1.2 Nyon Energy Park Location 16 Chipping Detritus

Six pieces of Onondaga chert chipping detritus were collected from Location 16. Two pieces of chipping detritus were burnt. Because tertiary flakes and flake fragments comprise the chipping detritus assemblage, it is possible that biface refinement was occurring at the site. A breakdown of the collected chipping detritus sample by morphology and raw material type is provided in the following table.

Table 35: Nyon Energy Park Location 16 Chipping Detritus

Chert	Tertiary Flake		Flake Fragment		Total	
	No.	%	No.	%	No.	%
Onondaga	2	33.33	2	33.33	4	66.67
Burnt Onondaga	0	0.00	2	33.33	2	33.33
Total	2	33.33	4	66.67	6	100.00



3.19 Nyon Energy Park Location 17

One pre-contact Aboriginal artifact, an Onondaga chert flake fragment, was observed and collected at Location 17, despite survey intensification, as described in Section 2.0. The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 24 and in Map A, Supplementary Documentation A.

3.20 Nyon Energy Park Location 18

One pre-contact Aboriginal artifact, an Onondaga chert flake fragment, was observed and collected at this site, despite survey intensification, as described in Section 2.0. The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 25 and in Map A, Supplementary Documentation A.

3.21 Nyon Energy Park Location 19

All observed artifacts were collected from Location 19 to document the archaeological site, as per Section 2.1.1 Standard 8 and Standard 9 of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011). The artifact surface scatter, comprising six pre-contact Aboriginal artifacts, measured approximately 40 metres by 66 metres. The following table provides a summary of these collected artifacts. The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 26 and in Map A, Supplementary Documentation A.

Table 36: Nyon Energy Park Location 19 Artifact Summary

Artifacts	Frequency	%
spokeshave	1	16.66
utilized flake	2	33.33
tertiary flake	1	16.66
flake fragment	2	33.33
Total Stage 2 Artifacts Collected	6	100.00

3.21.1 Nyon Energy Park Location 19 Pre-Contact Aboriginal Artifacts

Three pre-contact Aboriginal lithic tools comprising one spokeshave and two utilized flakes, manufactured from Onondaga chert, were recovered from Location 19.

3.21.1.1 Nyon Energy Park Location 19 Pre-Contact Aboriginal Artifact Metrics

The characteristics and metrics of the formal tool recovered from Location 19 is provided in the following table.



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Table 37: Nyon Energy Park Location 19 Artifact Metrics

Loc.	Cat. #	Tool	Material	Length (mm)	Width (mm)	Thickness (mm)	Comments
19	6	spokeshave	Onondaga	47.90	27.92	9.71	two notches, possible graver spur between, likely secondary flake

3.21.1.2 Nyon Energy Park Location 19 Chipping Detritus

Three pieces of chipping detritus, two Haldimand chert and one burnt Onondaga chert, were collected from Location 19. Because tertiary flakes and flake fragments comprise the chipping detritus assemblage, it appears that biface refinement was occurring at the site. A breakdown of the chipping detritus sample collected by morphology and raw material type is provided in the following table.

Table 38: Nyon Energy Park Location 19 Chipping Detritus

Chert	Tertiary Flake		Flake Fragment		Total	
	No.	%	No.	%	No.	%
Burnt Onondaga	0	0.00	1	33.33	1	33.33
Haldimand	1	33.33	1	33.33	2	66.67
Total	1	33.33	2	66.67	3	100.00

3.22 Nyon Energy Park Location 20/22/26 (AfGt-211)

All diagnostic artifacts and formal tools observed at Location 20/22/26 were collected and a selection of other artifact types were also collected in order to document the site's extent, consistent with Section 2.1.1 Standard 8 and Standard 9 of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011). The artifact surface scatter, comprising over 100 artifacts, measured approximately 60 metres by 70 metres. In total, 45 artifacts were recovered from the site. The following table provides a summary of these collected artifacts. The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 27 and in Map A, Supplementary Documentation A.

Table 39: Nyon Energy Park Location 20/22/26 Artifact Summary

Artifacts	Frequency	%
projectile point	1	2.22
biface	3	6.66
scraper	4	8.88
spokeshave	3	6.66
graver	1	2.22



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Artifacts	Frequency	%
retouched flake	5	11.11
utilized flake	8	17.77
combination tool	1	2.22
core	2	4.44
secondary flake	3	6.66
tertiary flake	6	13.33
flake fragment	8	17.77
Total Stage 2 Artifacts Collected	45	100.00

3.22.1 Nyon Energy Park Location 20/22/26 Pre-Contact Aboriginal Artifacts

Twenty-six pre-contact Aboriginal lithic tools and two multidirectional cores, manufactured from Onondaga chert, were recovered from Location 20/22/26 (Image 40).

3.22.1.1 Nyon Energy Park Location 20/22/26 Pre-Contact Aboriginal Artifact Metrics

The characteristics and metrics of the formal tools, including a projectile point, recovered from Location 20/22/26 are provided in the following table.

Table 40: Nyon Energy Park Location 20/22/26 Artifact Metrics

Loc.	Cat. #	Tool	Material	Length (mm)	Width (mm)	Thickness (mm)	Comments
20/22/26	7	projectile point	Onondaga	49.79	26.54	6.39	Brewerton Side-Notched
20/22/26	10	spokeshave	Onondaga	43.49	31.44	5.93	likely secondary flake
20/22/26	19	scraper	Onondaga	23.84	21.59	7.18	end, secondary flake
20/22/26	21	graver	Onondaga	23.17	38.79	5.02	flake fragment, likely secondary flake
20/22/26	24	scraper	Onondaga	18.76	12.40	3.76	end, micro, flake fragment, likely tertiary flake



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Loc.	Cat. #	Tool	Material	Length (mm)	Width (mm)	Thickness (mm)	Comments
20/22/26	28	biface	Onondaga	21.30*	17.72*	5.12	preform, edge fragment
20/22/26	31	spokeshave	Onondaga	32.50	24.84	8.72	flake fragment, likely primary flake
20/22/26	34	scraper	Onondaga	30.15	19.93	6.36	end, secondary flake
20/22/26	36	combination tool	Onondaga	41.98	21.51	9.48	end scraper, both ends, and spokeshave, flake fragment, likely primary flake
20/22/26	37	scraper	Onondaga	21.40	13.27	6.95	end, secondary flake
20/22/26	43	spokeshave	Onondaga	31.60	30.63	10.07	secondary flake
20/22/26	45	biface	Onondaga	41.28*	36.77	10.69	preform, base missing, retouch at midshaft break

* measurements on incomplete pieces

3.22.1.2 Nyon Energy Park Location 20/22/26 Chipping Detritus

Seventeen pieces of Onondaga chert chipping detritus were collected from Location 20/22/26. Two pieces of chipping detritus were burnt. Because secondary flakes, tertiary flakes and flake fragments comprise the chipping detritus assemblage, it appears that a range of reduction stages was occurring at the site. A breakdown of the collected chipping detritus sample by morphology and raw material type is provided in the following table.

Table 41: Nyon Energy Park Location 20/22/26 Chipping Detritus

Chert	Secondary Flake		Tertiary Flake		Flake Fragment		Total	
	No.	%	No.	%	No.	%	No.	%
Onondaga	3	17.65	6	35.29	6	35.29	15	88.24
Burnt Onondaga	0	0.00	0	0.00	2	11.76	2	11.76
Total	3	17.65	6	35.29	8	47.06	17	100.00

3.23 Nyon Energy Park Location 21 (AfGt-212)

All observed artifacts were collected from Location 21 to document the archaeological site, as per Section 2.1.1 Standard 8 and Standard 9 of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011). The



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

artifact surface scatter, comprising four artifacts, measured approximately 10 metres by five metres. The following table provides a summary of these collected artifacts. The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 28 and in Map A, Supplementary Documentation A.

Table 42: Nyon Energy Park Location 21 Artifact Summary

Artifacts	Frequency	%
utilized flake	1	25.00
primary flake	1	25.00
tertiary flake	1	25.00
flake fragment	1	25.00
Total Stage 2 Artifacts Collected	4	100.00

3.23.1 Nyon Energy Park Location 21 Pre-Contact Aboriginal Artifacts

One pre-contact Aboriginal lithic tool, a utilized flake, manufactured from Onondaga chert, was recovered from Location 21. This tool was burnt.

3.23.1.1 Nyon Energy Park Location 21 Chipping Detritus

Three pieces of chipping detritus, two Onondaga chert and one Haldimand chert, were collected from Location 21. Because primary flakes, tertiary flakes and flake fragments comprise the chipping detritus assemblage, a range of lithic reduction stages appears to have been occurring at the site. A breakdown of the collected chipping detritus sample by morphology and raw material type is provided in the following table.

Table 43: Nyon Energy Park Location 21 Chipping Detritus

Chert	Primary Flake		Tertiary Flake		Flake Fragment		Total	
	No.	%	No.	%	No.	%	No.	%
Onondaga	0	0.00	1	33.33	1	33.33	2	66.67
Haldimand	1	33.33	0	0.00	0	0.00	1	33.33
Total	1	33.33	1	33.33	1	33.33	3	100.00

3.24 Nyon Energy Park Location 23 (AfGt-213)

One pre-contact Aboriginal artifact, a Nanticoke Notched projectile point base fragment, manufactured from Onondaga chert, was observed and collected at Location 23, despite survey intensification, as described in Section 2.0 (Image 41). In Ontario, the Nanticoke Notched projectile point type dates to *circa* A.D. 1400-1650, during the late Late Woodland to the time of early Contact (Fox 1981b, 1981c; Lennox and Fitzgerald 1990:421-423). The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 29 and in Map A, Supplementary Documentation A.



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

3.24.1 Nyon Energy Park Location 23 Artifact Metrics

The characteristics and metrics of the projectile point recovered from Location 23 are provided in the following table.

Table 44: Nyon Energy Park Location 23 Artifact Metrics

Loc.	Cat. #	Tool	Material	Length (mm)	Width (mm)	Thickness (mm)	Comments
23	1	projectile point	Onondaga	19.43*	21.87	5.83	Nanticoke Notched, base

* measurements on incomplete pieces

3.25 Nyon Energy Park Location 24 (AfGt-214)

All diagnostic artifacts and formal tools observed at Location 24 were collected as were a selection of other artifact types in order to document the site's extent, consistent with Section 2.1.1 Standard 8 and Standard 9 of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011). A Madison or Daniels projectile point, with a broken tip, was collected from the site. The artifact surface scatter, comprising approximately 30 artifacts, measured approximately 31 metres by 23 metres. In total, 11 artifacts were collected from Location 24 (Table 69). The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 30 and in Map A, Supplementary Documentation A.

Table 45: Nyon Energy Park Location 24 Artifact Summary

Artifacts	Frequency	%
projectile point	1	9.091
scraper	1	9.091
retouched flake	2	18.182
utilized flake	4	36.364
combination tool	1	9.091
flake fragment	2	18.182
Total Stage 2 Artifacts Collected	11	100.00

3.25.1 Nyon Energy Park Location 24 Pre-Contact Aboriginal Artifacts

Nine pre-contact Aboriginal lithic tools were recovered from Location 24. All were manufactured from Onondaga chert except the Madison or Daniels projectile point, which was manufactured from Haldimand chert (Image 42).

3.25.1.1 Nyon Energy Park Location 24 Pre-Contact Aboriginal Artifact Metrics

The characteristics and metrics of the formal tools collected from Location 24 are provided in the following table.



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Table 46: Nyon Energy Park Location 24 Artifact Metrics

Loc.	Cat. #	Tool	Material	Length (mm)	Width (mm)	Thickness (mm)	Comments
24	2	scraper	Onondaga	30.83	19.24	5.33	side, flake fragment, likely secondary flake
24	3	projectile point	Haldimand	19.62*	13.93	3.75	Madison or Daniels, tip missing
24	4	combination tool	Onondaga	37.90	22.03	10.30	spokeshave and micro end scraper, secondary flake

* measurements on incomplete pieces

3.25.1.2 Nyon Energy Park Location 24 Chipping Detritus

Two pieces of Onondaga chert chipping detritus were collected from Location 24, one of which was burnt. The sample size is too small to suggest lithic tool reduction strategies or focus at the site. A breakdown of the collected chipping detritus sample by morphology and raw material type is provided in the following table.

Table 47: Nyon Energy Park Location 24 Chipping Detritus

Chert	Flake Fragment		Total	
	No.	%	No.	%
Onondaga	1	50.00	1	50.00
Burnt Onondaga	1	50.00	1	50.00
Total	2	100.00	2	100.00

3.26 Nyon Energy Park Location 25 (AfGt-215)

All observed artifacts were collected from Location 25 to document the archaeological site, as per Section 2.1.1 Standard 8 and Standard 9 of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011). The artifact surface scatter, comprising three artifacts (Table 73), measured approximately 8 metres by 8 metres. The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 31 and in Map A, Supplementary Documentation A.



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Table 48: Nyon Energy Park Location 25 Artifact Summary

Artifacts	Frequency	%
biface	1	33.33
utilized flake	2	66.66
Total Stage 2 Artifacts Collected	3	100.00

3.26.1 Nyon Energy Park Location 25 Pre-Contact Aboriginal Artifacts

Three pre-contact Aboriginal lithic tools, manufactured from Onondaga chert, were recovered from Location 25: one biface and two utilized flakes, one of which was burnt (Image 43).

3.26.1.1 Nyon Energy Park Location 25 Pre-Contact Aboriginal Artifact Metrics

The characteristics and metrics of the biface recovered from Location 25 are provided in the following table.

Table 49: Nyon Energy Park Location 25 Artifact Metrics

Loc.	Cat. #	Tool	Material	Length (mm)	Width (mm)	Thickness (mm)	Comments
25	1	biface	Onondaga	28.88*	27.06	6.57	preform, edge fragment

* measurements on incomplete pieces

3.27 Nyon Energy Park Location 27 (AfGt-216)

While no diagnostic artifacts were observed at Location 27, all formal tools were collected and a selection of other artifact types was collected in order to document the site's extent, consistent with Section 2.1.1 Standard 8 and Standard 9 of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011). The artifact surface scatter, comprising approximately 40 artifacts, measured approximately 34 metres by 34 metres. In total, 17 artifacts were collected from the site (Table 76). The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 32 and in Map A, Supplementary Documentation A.

Table 50: Nyon Energy Park Location 27 Artifact Summary

Artifacts	Frequency	%
scraper	1	5.88
retouched flake	1	5.88
utilized flake	5	29.41
combination tool	1	5.88



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Artifacts	Frequency	%
secondary flake	2	11.77
tertiary flake	4	23.53
flake fragment	3	17.65
Total Stage 2 Artifacts Collected	17	100.00

3.27.1 Nyon Energy Park Location 27 Pre-Contact Aboriginal Artifacts

Five pre-contact Aboriginal lithic tools, including a scraper and a combination tool, were collected from Location 27 (Image 44).

3.27.1.1 Nyon Energy Park Location 27 Pre-Contact Aboriginal Artifact Metrics

The characteristics and metrics of the formal tools collected from Location 27 are provided in the following table.

Table 51: Nyon Energy Park Location 27 Artifact Metrics

Loc.	Cat. #	Tool	Material	Length (mm)	Width (mm)	Thickness (mm)	Comments
27	16	scraper	Onondaga	30.30	24.40	2.64	side, flake fragment, likely tertiary flake
27	17	combination tool	Onondaga	26.42	14.22	4.63	side scraper and graver, flake fragment, likely tertiary flake

3.27.1.2 Nyon Energy Park Location 27 Chipping Detritus

Nine pieces of Onondaga chert chipping detritus were collected from Location 27. One piece of chipping detritus was burnt. Because secondary flakes, tertiary flakes and flake fragments comprise the chipping detritus assemblage, it appears that that secondary core reduction and biface refinement were occurring at the site. A breakdown of the collected chipping detritus sample by morphology and raw material type is provided in the following table.

Table 52: Nyon Energy Park Location 27 Chipping Detritus

Chert	Secondary Flake		Tertiary Flake		Flake Fragment		Total	
	No.	%	No.	%	No.	%	No.	%
Onondaga	2	22.22	3	33.33	3	33.33	8	88.89
Burnt Onondaga	0	0.00	1	11.11	0	0.00	1	11.11



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Chert	Secondary Flake		Tertiary Flake		Flake Fragment		Total	
Total	2	22.22	4	44.44	3	33.33	9	100.00

3.28 Nyon Energy Park Location 28 (AfGt-217)

All observed artifacts were collected from Location 28 to document the archaeological site, as per Section 2.1.1 Standard 8 and Standard 9 of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011). The artifact surface scatter, comprising 11 artifacts (Table 80), measured approximately 10 metres by 11 metres. The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 33 and in Map A, Supplementary Documentation A.

Table 53: Nyon Energy Park Location 28 Artifact Summary

Artifacts	Frequency	%
scraper	1	9.09
utilized flake	3	27.27
tertiary flake	5	45.46
flake fragment	2	18.18
Total Stage 2 Artifacts Collected	11	100.00

3.28.1 Nyon Energy Park Location 28 Pre-Contact Aboriginal Artifacts

Four pre-contact Aboriginal lithic tools, including one scraper, were collected from Location 28 (Image 45).

3.28.1.1 Nyon Energy Park Location 28 Pre-Contact Aboriginal Artifact Metrics

The characteristics and metrics of the scraper collected at Location 28 are provided in the following table.

Table 54: Nyon Energy Park Location 28 Artifact Metrics

Loc.	Cat. #	Tool	Material	Length (mm)	Width (mm)	Thickness (mm)	Comments
28	1	scraper	Onondaga	19.8	25.1	8.9	end, possible graver spur, secondary flake

3.28.1.2 Nyon Energy Park Location 28 Chipping Detritus

Seven pieces of Onondaga chert chipping detritus were collected from the site. Three pieces of chipping detritus were burnt. Because tertiary flakes and flake fragments comprise the chipping detritus assemblage, it appears



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

that biface refinement was occurring at the site. A breakdown of the collected chipping detritus sample by morphology and raw material type is provided in the following table.

Table 55: Nyon Energy Park Location 28 Chipping Detritus

Chert	Tertiary Flake		Flake Fragment		Total	
	No.	%	No.	%	No.	%
Onondaga	2	28.57	2	28.57	4	57.14
Burnt Onondaga	3	42.86	0	0.00	3	42.86
Total	5	71.43	2	28.57	7	100.00

3.29 Nyon Energy Park Location 29

One pre-contact Aboriginal artifact, a utilized flake, manufactured from Onondaga chert was observed and collected at Location 29, despite survey intensification, as described in Section 2.0. The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 34 and in Map A, Supplementary Documentation A.

3.30 Nyon Energy Park Location 30 (AfGt-218)

One pre-contact Aboriginal artifact, a Levanna projectile point base manufactured from Onondaga chert, was observed and collected at Location 30, despite survey intensification, as described in Section 2.0 (Image 46). In Ontario, the Levanna projectile point type dates to *circa* A.D. 500-1050, during the early Late Woodland (Bursey 1995; Ferris and Spence 1995:103; Ritchie 1971:31-32; Williamson 1990:299). The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 35 and in Map A, Supplementary Documentation A.

3.31 Nyon Energy Park Location 31

One pre-contact Aboriginal artifact, a utilized flake, manufactured from Onondaga chert, was observed and collected at Location 31, despite survey intensification, as described in Section 2.0. The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 36 and in Map A, Supplementary Documentation A.

3.32 Nyon Energy Park Location 32

Please note that there is no Nyon Energy Park Location 32 as the artifact originally identified with this site were combined with those subsequently identified as Location 36 based on proximity. The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 37 and in Map A, Supplementary Documentation A.



3.33 Nyon Energy Park Location 33

One pre-contact Aboriginal artifact, a biface fragment, manufactured from Onondaga chert, was observed and collected at Location 33, despite survey intensification, as described in Section 2.0 (Image 47). The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 38 and in Map A, Supplementary Documentation A.

3.34 Nyon Energy Park Location 34

One pre-contact Aboriginal artifact, a retouched flake, manufactured from Onondaga chert, was observed and collected at Location 34, despite survey intensification, as described in Section 2.0. The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 38 and in Map A, Supplementary Documentation A.

3.35 Nyon Energy Park Location 35

One pre-contact Aboriginal artifact, a retouched flake, manufactured from Onondaga chert, was observed and collected at Location 35, despite survey intensification, as described in Section 2.0. The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 39 and in Map A, Supplementary Documentation A.

3.36 Nyon Energy Park Location 36 (AfGt-219)

Given the absence of diagnostic artifacts observed at Location 36, all formal tools and a selection of other artifact types were collected in order to document the site's extent, consistent with Section 2.1.1 Standard 8 and Standard 9 of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011). The artifact surface scatter, comprising over 100 artifacts, measured approximately 30 metres by 30 metres. In total, 20 artifacts were collected from the site (Table 90). The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 40 and in Map A, Supplementary Documentation A.

Table 56: Nyon Energy Park Location 36 Artifact Summary

Artifacts	Frequency	%
spokeshave	1	5.00
utilized flake	7	35.00
combination tool	1	5.00
secondary flake	1	5.00
tertiary flake	4	20.00
flake fragment	6	30.00
Total Stage 2 Artifacts Collected	20	100.00



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

3.36.1 Nyon Energy Park Location 36 Pre-Contact Aboriginal Artifacts

Nine pre-contact Aboriginal lithic tools, including a combination tool, manufactured from Haldimand chert and a spokeshave, manufactured from Onondaga chert, were recovered from Location 36. Two utilized flakes were manufactured from Haldimand chert, although apart from the combination tool, all other tools were manufactured from Onondaga chert (Image 48).

3.36.1.1 Nyon Energy Park Location 36 Pre-Contact Aboriginal Artifact Metrics

The characteristics and metrics of the formal tools collected from Location 36 are provided in the following table.

Table 57: Nyon Energy Park Location 36 Artifact Metrics

Loc.	Cat. #	Tool	Material	Length (mm)	Width (mm)	Thickness (mm)	Comments
36	7	combination tool	Haldimand	33.16	16.43	5.28	possible side scraper and graver, flake fragment, likely secondary flake
36	20	spokeshave	Onondaga	26.24	28.76	10.20	flake fragment, likely primary flake

3.36.1.2 Nyon Energy Park Location 36 Chipping Detritus

Eleven pieces of Onondaga chert chipping detritus were collected from Location 36. Because secondary flakes, tertiary flakes and flake fragments comprise the chipping detritus assemblage, primary reduction was likely occurring off-site, while secondary core reduction and tool, likely biface, production and refinement was occurring at the site. A breakdown of the collected chipping detritus sample by morphology and raw material type is provided in the following table.

Table 58: Nyon Energy Park Location 36 Chipping Detritus

Chert	Secondary Flake		Tertiary Flake		Flake Fragment		Total	
	No.	%	No.	%	No.	%	No.	%
Onondaga	0	0.00	1	9.09	5	45.45	6	54.55
Burnt Onondaga	1	9.09	3	27.27	1	9.09	5	45.45
Total	1	9.09	4	36.36	6	54.55	11	100.00

3.37 Nyon Energy Park Location 37 (AfGt-220)

Given the absence of diagnostic artifacts, all formal tools and a selection of other artifact types were collected from Location 37 in order to document the site's extent, consistent with Section 2.1.1 Standard 8 and Standard 9



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011). The artifact surface scatter, comprising over 100 artifacts, measured approximately 55 metres by 40 metres. In total, 20 artifacts were collected from the site (Table 94). The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 41 and in Map A, Supplementary Documentation A.

Table 59: Nyon Energy Park Location 37 Artifact Summary

Artifacts	Frequency	%
scraper	2	10.00
retouched flake	1	5.00
utilized flake	7	35.00
core	1	5.00
tertiary flake	2	10.00
flake fragment	7	35.00
Total Stage 2 Artifacts Collected	20	100.00

3.37.1 Nyon Energy Park Location 37 Pre-Contact Aboriginal Artifacts

Ten pre-contact Aboriginal lithic tools and a multidirectional core, all manufactured from Onondaga chert, except one utilized flake, manufactured from Haldimand chert, were recovered from Location 37 (Image 49).

3.37.1.1 Nyon Energy Park Location 37 Pre-Contact Aboriginal Artifact Metrics

The characteristics and metrics of the formal tools recovered from Location 37 are provided in the following table.

Table 60: Nyon Energy Park Location 37 Artifact Metrics

Loc.	Cat. #	Tool	Material	Length (mm)	Width (mm)	Thickness (mm)	Comments
37	7	scraper	Onondaga	43.32	31.24	9.03	end, retouched lateral margins, secondary flake
37	11	scraper	Onondaga	38.62	20.55	5.61	side, secondary flake

3.37.1.2 Nyon Energy Park Location 37 Chipping Detritus

Nine pieces of Onondaga chert chipping detritus were collected from Location 37. Because tertiary flakes and flake fragments comprise the chipping detritus assemblage, primary reduction was likely occurring off-site, while tool, likely biface, production and refinement was occurring at the site. A breakdown of the collected chipping detritus sample by morphology and raw material type is provided in the following table.



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Table 61: Nyon Energy Park Location 37 Chipping Detritus

Chert	Tertiary Flake		Flake Fragment		Total	
	No.	%	No.	%	No.	%
Onondaga	2	22.22	7	77.78	9	100.00
Total	2	22.22	7	77.78	9	100.00

3.38 Nyon Energy Park Location 38 (AfGt-221)

All observed artifacts, including a non-diagnostic projectile point fragment, were collected from Location 38 to document the archaeological site, as per Section 2.1.1 Standard 8 and Standard 9 of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011). The artifact surface scatter, comprising five artifacts (Table 98), measured approximately 20 metres by 22 metres. The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 42 and in Map A, Supplementary Documentation A.

Table 62: Nyon Energy Park Location 38 Artifact Summary

Artifacts	Frequency	%
projectile point	1	20.00
scraper	1	20.00
retouched flake	1	20.00
utilized flake	1	20.00
flake fragment	1	20.00
Total Stage 2 Artifacts Collected	5	100.00

3.38.1 Nyon Energy Park Location 38 Pre-Contact Aboriginal Artifacts

Four pre-contact Aboriginal lithic tools, including a projectile point tip and a scraper, both manufactured from Haldimand chert were recovered from Location 38 (Image 50).

3.38.1.1 Nyon Energy Park Location 38 Pre-Contact Aboriginal Artifact Metrics

The characteristics and metrics of the formal tools collected from Location 38 are provided in the following table.

Table 63: Nyon Energy Park Location 38 Artifact Metrics

Loc.	Cat. #	Tool	Material	Length (mm)	Width (mm)	Thickness (mm)	Comments
38	2	projectile point	Haldimand	20.17*	17.8	6.2	indeterminate, tip
38	4	scraper	Haldimand	30.52	14.98	9.38	end, likely primary



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Loc.	Cat. #	Tool	Material	Length (mm)	Width (mm)	Thickness (mm)	Comments
							flake

* measurements on incomplete pieces

3.38.1.2 Nyon Energy Park Location 38 Chipping Detritus

One piece of Onondaga chert chipping detritus was collected from Location 38. Sample size is too small to suggest lithic tool reduction strategies or focus at the site. A breakdown of the collected chipping detritus sample by morphology and raw material type is provided in the following table.

Table 64: Nyon Energy Park Location 38 Chipping Detritus

Chert	Flake Fragment		Total	
	No.	%	No.	%
Onondaga	1	100.00	1	100.00
Total	1	100.00	1	100.00

3.39 Nyon Energy Park Location 39 (AfGt-222)

One pre-contact Aboriginal artifact, a Madison projectile point, manufactured from Onondaga chert, was observed and collected at Location 39, despite survey intensification, as described in Section 2.0 (Image 51). The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 43 and in Map A, Supplementary Documentation A.

3.39.1 Nyon Energy Park Location 39 Artifact Metrics

The characteristics and metrics of the Madison projectile point collected at Location 39 are provided in the following table.

Table 65: Nyon Energy Park Location 38 Artifact Metrics

Loc.	Cat. #	Tool	Material	Length (mm)	Width (mm)	Thickness (mm)	Comments
39	1	projectile point	Onondaga	20.62	19.8	4.1	Madison



3.40 Nyon Energy Park Location 40/41 (AfGt-223)

All artifacts observed at Location 40/41 were collected to document the archaeological site, as per Section 2.1.1 Standard 8 and Standard 9 of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011). The artifact surface scatter, comprising 21 artifacts (Table 104), measured approximately 15 metres by 34 metres. The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 44 and in Map A, Supplementary Documentation A.

Table 66: Nyon Energy Park Location 40/41 Artifact Summary

Artifacts	Frequency	%
projectile point	1	4.76
biface	1	4.76
retouched flake	1	4.76
utilized flake	8	38.10
secondary flake	1	4.76
tertiary flake	3	14.29
flake fragment	6	28.57
Total Stage 2 Artifacts Collected	21	100.00

3.40.1 Nyon Energy Park Location 40/41 Pre-Contact Aboriginal Artifacts

Eleven pre-contact Aboriginal lithic tools, including a non-diagnostic projectile point fragment and a biface, both manufactured from Onondaga chert, were recovered from Location 40/41 (Image 52).

3.40.1.1 Nyon Energy Park Location 40/41 Pre-Contact Aboriginal Artifact Metrics

The characteristics and metrics of the formal tools collected at Location 40/41 are provided in the following table.

Table 67: Nyon Energy Park Location 40/41 Artifact Metrics

Loc.	Cat. #	Tool	Material	Length (mm)	Width (mm)	Thickness (mm)	Comments
40/41	1	projectile point	Onondaga	20.42	20.41	3.88	indeterminate, tip, finely flaked



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Loc.	Cat. #	Tool	Material	Length (mm)	Width (mm)	Thickness (mm)	Comments
40/41	20	biface	Onondaga	48.87	33.27	11.20	possible early preform, dorsal retouch with minimal ventral retouch, flake fragment, likely large secondary flake

3.40.1.2 Nyon Energy Park Location 40/41 Chipping Detritus

Ten pieces of Onondaga chert chipping detritus were collected from Location 40/41. One piece of chipping detritus was burnt. Because secondary flakes, tertiary flakes and flake fragments comprise the chipping detritus assemblage, primary reduction was likely occurring off-site, while secondary core reduction and tool, likely biface, production and refinement was occurring at the site. A breakdown of the collected chipping detritus sample by morphology and raw material type is provided in the following table.

Table 68: Nyon Energy Park Location 40/41 Chipping Detritus

Chert	Secondary Flake		Tertiary Flake		Flake Fragment		Total	
	No.	%	No.	%	No.	%	No.	%
Onondaga	1	10.00	3	30.00	5	50.00	9	90.00
Burnt Onondaga	0	0.00	0	0.00	1	10.00	1	10.00
Total	1	10.00	3	30.00	6	60.00	10	100.00

3.41 Nyon Energy Park Location 42 (AfGt-224)

Given the absence of diagnostic artifacts observed at Location 42, all formal tools and a selection of other artifact types were collected in order to document the site's extent, consistent with Section 2.1.1 Standard 8 and Standard 9 of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011). The artifact surface scatter, comprising approximately 100 artifacts and including both pre-contact Aboriginal and historic Euro-Canadian artifacts, measured approximately 50 metres by 45 metres. In total, 24 artifacts were recovered from the site (Table 108). The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 45 and in Map A, Supplementary Documentation A.

Table 69: Nyon Energy Park Location 42 Artifact Summary

Artifacts	Frequency	%
Pre-Contact Aboriginal Artifacts		
biface	3	12.50
scraper	3	12.50



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Artifacts	Frequency	%
spokeshave	2	8.33
retouched flake	2	8.33
utilized flake	1	4.16
secondary flake	2	8.33
tertiary flake	2	8.33
flake fragment	3	12.50
Total Pre-Contact Artifacts	18	75.00
Historic Euro-Canadian Artifacts		
vitrified white earthenware	4	16.66
porcelain	1	4.16
pipe bowl	1	4.16
Total Historic Artifacts	6	25.00
Total Stage 2 Artifacts Collected	24	100

3.41.1 Nyon Energy Park Location 42 Pre-Contact Aboriginal Artifacts

Eleven pre-contact Aboriginal lithic tools, including three bifaces, three scrapers and two spokeshaves, all manufactured from Onondaga chert, were collected from Location 42 (Image 53). One biface had been burnt.

3.41.1.1 Nyon Energy Park Location 42 Pre-Contact Aboriginal Artifact Metrics

The characteristics and metrics of the formal tools collected at Location 42 are provided in the following table.

Table 70: Nyon Energy Park Location 42 Artifact Metrics

Loc.	Cat. #	Tool	Material	Length (mm)	Width (mm)	Thickness (mm)	Comments
42	3	scraper	Onondaga	12.51	19.06	4.16	end, likely distal end of tertiary flake, but flake fragment
42	4	scraper	Onondaga	19.92	15.57	3.18	end, proximal end of flake fragment
42	7	biface	Onondaga	52.67*	35.36	14.00	preform, tip missing
42	18	spokeshave	Onondaga	21.36	27.43	4.88	tertiary flake



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Loc.	Cat. #	Tool	Material	Length (mm)	Width (mm)	Thickness (mm)	Comments
42	20	scraper	Onondaga	32.25*	18.63	5.69	side, bifacial retouch
42	21	biface	Onondaga	43.94*	32.20*	17.65	preform, side missing
42	23	spokeshave	Onondaga	27.43	25.93	6.61	tertiary flake, opposite side retouched
42	24	biface	burnt Onondaga	42.08*	49.13	10.40	midshaft, crenellated fractures at each break

* measurements on incomplete pieces

3.41.1.2 Nyon Energy Park Location 42 Chipping Detritus

Seven pieces of Onondaga chert chipping detritus were collected from Location 42. Because secondary flakes, tertiary flakes and flake fragments comprise the chipping detritus assemblage, primary reduction was likely occurring off-site, while secondary core reduction and tool, likely biface, production and refinement was occurring at the site. A breakdown of the chipping detritus sample collected by morphology and raw material type is provided in the following table. The complete Stage 2 artifact catalogue for the site is contained in Appendix B.

Table 71: Nyon Energy Park Location 42 Chipping Detritus

Chert	Secondary Flake		Tertiary Flake		Flake Fragment		Total	
	No.	%	No.	%	No.	%	No.	%
Onondaga	2	28.57	2	28.57	3	42.86	7	100.00
Total	2	28.57	2	28.57	3	42.86	7	100.00

3.41.2 Nyon Energy Park Location 42 Historic Euro-Canadian Artifacts

A total of six historic Euro-Canadian artifacts, including a pipe bowl fragment, were recovered at Location 42.

3.42 Nyon Energy Park Location 43 (AfGt-225)

All diagnostic artifacts and formal tools observed at Location 43 were collected, as were a selection of other artifact types in order to document the site's extent, consistent with Section 2.1.1 Standard 8 and Standard 9 of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011). The artifact surface scatter, comprising approximately 100 artifacts, measured approximately 60 metres by 60 metres. In total, 32 artifacts were collected from the site (Table 112). The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 46 and in Map A, Supplementary Documentation A.



Table 72: Nyon Energy Park Location 43 Artifact Summary

Artifacts	Frequency	%
projectile point	2	6.25
biface	1	3.13
scraper	3	9.38
spokeshave	1	3.13
bladelet	1	3.13
retouched flake	7	21.88
utilized flake	2	6.25
tertiary flake	5	15.63
flake fragment	10	31.25
Total Stage 2 Artifacts Collected	32	100.00

3.42.1 Nyon Energy Park Location 43 Pre-Contact Aboriginal Artifacts

Seventeen pre-contact Aboriginal lithic tools all manufactured from Onondaga chert, were recovered from Location 43 (Image 54). One retouched flake had been burnt. Two projectile points were recovered from the site: a stemmed, serrated Crawford Knoll projectile point and an Otter Creek projectile point (Image 54).

3.42.1.1 Nyon Energy Park Location 43 Pre-Contact Aboriginal Artifact Metrics

The characteristics and metrics of the formal tools collected at Location 43, including the projectile points, biface, scrapers and spokeshave, are provided in the following table.

Table 73: Nyon Energy Park Location 43 Artifact Metrics

Loc.	Cat. #	Tool	Material	Length (mm)	Width (mm)	Thickness (mm)	Comments
43	2	scraper	Onondaga	52.85	43.64	35.48	side, bifacial flaking on one edge, multidirectional core-like
43	5	scraper	Onondaga	28.32	13.26	3.88	end, micro tip, flake fragment, possible secondary flake
43	6	projectile point	Onondaga	21.19	18.20	4.68	Crawford Knoll, stemmed, serrated



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Loc.	Cat. #	Tool	Material	Length (mm)	Width (mm)	Thickness (mm)	Comments
43	7	spokeshave	Onondaga	22.27	22.23	2.46	tertiary flake
43	11	scraper	Onondaga	55.13	39.66	14.62	end, primary flake
43	23	projectile point	Onondaga	30.11	18.97	5.99	Otter Creek
43	24	biface	Onondaga	37.67*	36.28	11.42	preform, base, stemmed, stem possibly used as edge of spokeshave
43	31	bladelet	Onondaga	31.32*	11.20	3.25	flake fragment, likely secondary flake, prismatic or lamellar blade-like, distal, but minimal, retouch

* measurements on incomplete pieces

3.42.1.2 Nyon Energy Park Location 43 Chipping Detritus

Fifteen pieces of chipping detritus were collected from Location 43, all manufactured from Onondaga chert except for one indeterminate, cortical flake. Two pieces of the Onondaga chert chipping detritus had been burnt. Because tertiary flakes and flake fragments comprise the chipping detritus assemblage, it is possible that biface refinement was occurring at the site. A breakdown of the chipping detritus sample collected by morphology and raw material type is provided in the following table.

Table 74: Nyon Energy Park Location 43 Chipping Detritus

Chert	Tertiary Flake		Flake Fragment		Total	
	No.	%	No.	%	No.	%
Onondaga	5	33.33	7	46.67	12	80.00
Burnt Onondaga	0	0.00	2	13.33	2	13.33
indeterminate, cortical	0	0.00	1	6.67	1	6.67
Total	5	33.33	10	66.67	15	100.00

3.43 Nyon Energy Park Location 44 (AfGt-226)

Given the absence of diagnostic artifacts observed at Location 44, all formal tools and a selection of other artifact types were collected in order to document the site's extent, consistent with Section 2.1.1 Standard 8 and



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Standard 9 of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011). The artifact surface scatter, comprising approximately 100 artifacts, measured approximately 60 metres by 60 metres. In total, 20 artifacts were collected from the site (Table 116). The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 47 and in Map A, Supplementary Documentation A.

Table 75: Nyon Energy Park Location 44 Artifact Summary

Artifacts	Frequency	%
biface	1	5.00
scraper	2	10.00
spokeshave	2	10.00
retouched flake	2	10.00
utilized flake	4	20.00
secondary flake	1	5.00
tertiary flake	1	5.00
flake fragment	7	35.00
Total Stage 2 Artifacts Collected	20	100.00

3.43.1 Nyon Energy Park Location 44 Pre-Contact Aboriginal Artifacts

Eleven pre-contact Aboriginal lithic tools, including a biface, two scrapers and two spokeshaves, all manufactured from Onondaga chert, were recovered from Location 44 (Image 55).

3.43.1.1 Nyon Energy Park Location 44 Pre-Contact Aboriginal Artifact Metrics

The characteristics and metrics of the formal tools collected from Location 44 are provided in the following table.

Table 76: Nyon Energy Park Location 44 Artifact Metrics

Loc.	Cat. #	Tool	Material	Length (mm)	Width (mm)	Thickness (mm)	Comments
44	4	spokeshave	Onondaga	50.57	24.21	9.33	secondary flake
44	8	biface	Onondaga	55.12	53.67	21.72	preform
44	11	scraper	Onondaga	25.31	11.87	4.62	end, micro
44	12	spokeshave	Onondaga	32.27	37.85	8.62	mauve patina
44	16	scraper	Onondaga	25.05	16.84	4.24	end



3.43.1.2 Nyon Energy Park Location 44 Chipping Detritus

Nine pieces of chipping detritus were collected from Location 44, eight manufactured from Onondaga chert and one from Haldimand chert. Three pieces of Onondaga chert chipping detritus are burnt. Because secondary flakes, tertiary flakes and flake fragments comprise the chipping detritus assemblage, primary reduction was likely occurring off-site, while secondary core reduction and tool, likely biface, production and refinement was occurring at the site. A breakdown of the chipping detritus sample collected by morphology and raw material type is provided in the following table.

Table 77: Nyon Energy Park Location 44 Chipping Detritus

Chert	Secondary Flake		Tertiary Flake		Flake Fragment		Total	
	No.	%	No.	%	No.	%	No.	%
Onondaga	0	0.00	0	0.00	5	55.56	5	55.56
Burnt Onondaga	1	11.11	1	11.11	1	11.11	3	33.33
Haldimand	0	0.00	0	0.00	1	11.11	1	11.11
Total	1	11.11	1	11.11	7	77.78	9	100.00

3.44 Nyon Energy Park Location 45 (AfGt-227)

Given the absence of diagnostic artifacts observed at Location 45, all formal tools and a selection of other artifact types were collected in order to document the site's extent, consistent with Section 2.1.1 Standard 8 and Standard 9 of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011). The artifact surface scatter, comprising approximately 25 artifacts, measured approximately 17 metres by 10 metres. In total, eleven artifacts were collected from the site (Table 120). The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 48 and in Map A, Supplementary Documentation A.

Table 78: Nyon Energy Park Location 45 Artifact Summary

Artifacts	Frequency	%
projectile point	1	9.09
retouched flake	1	9.09
secondary flake	1	9.09
tertiary flake	3	27.27
flake fragment	5	45.46
Total Stage 2 Artifacts Collected	11	100.00

3.44.1 Nyon Energy Park Location 45 Pre-Contact Aboriginal Artifacts

Two pre-contact Aboriginal lithic tools, including one non-diagnostic projectile point stem fragment, manufactured from Onondaga chert, were recovered from Location 45 (Image 56). The stem fragment had been burnt.



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

3.44.1.1 Nyon Energy Park Location 45 Pre-Contact Aboriginal Artifact Metrics

The characteristics and metrics of the projectile point stem collected from Location 45 are provided in the following table.

Table 79: Nyon Energy Park Location 45 Artifact Metrics

Loc.	Cat. #	Tool	Material	Length (mm)	Width (mm)	Thickness (mm)	Comments
45	5	projectile point	burnt Onondaga	13.28*	16.25	6.90	indeterminate, stem

* measurements on incomplete pieces

3.44.1.2 Nyon Energy Park Location 45 Chipping Detritus

Nine pieces of Onondaga chert chipping detritus were collected from Location 45. Four pieces of chipping detritus were burnt. Because secondary flakes, tertiary flakes and flake fragments comprise the chipping detritus assemblage, primary reduction was likely occurring off-site, while secondary core reduction and tool, likely biface, production and refinement was occurring at the site. A breakdown of the collected chipping detritus sample by morphology and raw material type is provided in the following table.

Table 80: Nyon Energy Park Location 45 Chipping Detritus

Chert	Secondary Flake		Tertiary Flake		Flake Fragment		Total	
	No.	%	No.	%	No.	%	No.	%
Onondaga	0	0.00	2	22.22	3	33.33	5	55.56
Burnt Onondaga	1	11.11	1	11.11	2	22.22	4	44.44
Total	1	11.11	3	33.33	5	55.56	9	100.00

3.45 Nyon Energy Park Location 46 (AfGt-228)

All artifacts observed at Location 46 were collected to document the archaeological site, as per Section 2.1.1 Standard 8 and Standard 9 of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011). The artifact surface scatter, comprising 21 artifacts (Table 124), measured approximately 22 metres by 33 metres. The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 49 and in Map A, Supplementary Documentation A.

Table 81: Nyon Energy Park Location 46 Artifact Summary

Artifacts	Frequency	%
biface	2	9.52
scraper	1	4.76
graver	1	4.76



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Artifacts	Frequency	%
retouched flake	3	14.29
utilized flake	1	4.76
tertiary flake	3	14.29
flake fragment	10	47.62
Total Stage 2 Artifacts Collected	21	100.00

3.45.1 Nyon Energy Park Location 46 Pre-Contact Aboriginal Artifacts

Five pre-contact Aboriginal lithic tools, including two bifaces, one scraper and a graver, all manufactured from Onondaga chert, were recovered from Location 46 (Image 57).

3.45.1.1 Nyon Energy Park Location 46 Pre-Contact Aboriginal Artifact Metrics

The characteristics and metrics of the formal tools recovered from Location 46 are provided in the following table.

Table 82: Nyon Energy Park Location 46 Artifact Metrics

Loc.	Cat. #	Tool	Material	Length (mm)	Width (mm)	Thickness (mm)	Comments
46	7	biface	Onondaga	29.34*	33.36	7.76	preform, 2-piece mend
46	8	graver	Onondaga	46.65	23.75	10.37	spokeshave on lateral
46	11	scraper	Onondaga	19.23	13.08	5.51	end, micro, opposite end utilised, likely secondary flake
46	12	biface	Onondaga	34.02*	24.11	9.00	preform, base missing

* measurements on incomplete pieces

3.45.1.2 Nyon Energy Park Location 46 Chipping Detritus

Thirteen pieces of Onondaga chert chipping detritus were collected from Location 46. Two pieces of chipping detritus were burnt. Because tertiary flakes and flake fragments comprise the chipping detritus assemblage, it is possible that biface refinement was occurring at the site. A breakdown of the chipping detritus sample collected by morphology and raw material type is provided in the following table.



Table 83: Nyon Energy Park Location 46 Chipping Detritus

Chert	Tertiary Flake		Flake Fragment		Total	
	No.	%	No.	%	No.	%
Onondaga	3	23.08	8	61.54	11	84.62
Burnt Onondaga	0	0.00	2	15.38	2	15.38
Total	3	23.08	10	76.92	13	100.00

3.46 Nyon Energy Park Location 47 (AfGt-229)

Given the absence of diagnostic artifacts and formal tools observed at Location 47, a selection of other artifact types was collected in order to document the site's extent, consistent with Section 2.1.1 Standard 8 and Standard 9 of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011). The artifact surface scatter, comprising approximately 18 pre-contact Aboriginal artifacts, measured approximately 20 metres by 15 metres. In total, nine artifacts were recovered from the site. The following table provides a summary of these collected artifacts. The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 50 and in Map A, Supplementary Documentation A.

Table 84: Nyon Energy Park Location 47 Artifact Summary

Artifacts	Frequency	%
retouched flake	2	22.22
utilized flake	1	11.11
tertiary flake	2	22.22
flake fragment	4	44.44
Total Stage 2 Artifacts Collected	9	100.00

3.46.1 Nyon Energy Park Location 47 Pre-Contact Aboriginal Artifacts

Three pre-contact Aboriginal lithic tools, comprising two retouched flakes and one utilized flake, all manufactured from Onondaga chert, were collected from Location 47.

3.46.1.1 Nyon Energy Park Location 47 Chipping Detritus

Six pieces of chipping detritus were collected from Location 47, five of which were of Onondaga chert, while one was of the Haldimand chert variant referred to as Colborne chert. Because tertiary flakes and flake fragments comprise the chipping detritus assemblage, it is possible that biface refinement was occurring at the site. A breakdown of the collected chipping detritus sample by morphology and raw material type is provided in the following table.



Table 85: Nyon Energy Park Location 47 Chipping Detritus

Chert	Tertiary Flake		Flake Fragment		Total	
	No.	%	No.	%	No.	%
Onondaga	2	33.33	3	50.00	5	83.33
Colborne (Haldimand)	0	0.00	1	16.67	1	16.67
Total	2	33.33	4	66.67	6	100.00

3.47 Nyon Energy Park Location 48 (AfGt-230)

All artifacts observed at Location 48 were collected to document the archaeological site, as per Section 2.1.1 Standard 8 and Standard 9 of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011). The artifact surface scatter, comprising 15 artifacts (Table 131), measured approximately 32 metres by 34 metres. The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 51 and in Map A, Supplementary Documentation A.

Table 86: Nyon Energy Park Location 48 Artifact Summary

Artifacts	Frequency	%
biface	1	6.66
scraper	1	6.66
retouched flake	2	13.33
secondary flake	5	33.33
tertiary flake	2	13.33
flake fragment	4	26.66
Total Stage 2 Artifacts Collected	15	100.00

3.47.1 Nyon Energy Park Location 48 Pre-Contact Aboriginal Artifacts

Five pre-contact Aboriginal lithic tools, including one biface and one scraper, both manufactured from Onondaga chert, were recovered from Location 48 (Image 58).

3.47.1.1 Nyon Energy Park Location 48 Pre-Contact Aboriginal Artifact Metrics

The characteristics and metrics of the formal tools collected from Location 48 are provided in the following table.



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Table 87: Nyon Energy Park Location 48 Artifact Metrics

Loc.	Cat. #	Tool	Material	Length (mm)	Width (mm)	Thickness (mm)	Comments
48	5	scraper	Onondaga	60.35	28.18	17.08	end, bifacially worked
48	10	biface	Onondaga	51.38*	42.92	9.77	preform

* measurements on incomplete pieces

3.47.1.2 Nyon Energy Park Location 48 Chipping Detritus

Eleven pieces of Onondaga chert chipping detritus were collected from Location 48. Two pieces of chipping detritus were burnt. Because secondary flakes, tertiary flakes and flake fragments comprise the chipping detritus assemblage, primary reduction was likely occurring off-site, while secondary core reduction and tool, likely biface, production and refinement was occurring at the site. A breakdown of the chipping detritus sample collected by morphology and raw material type is provided in the following table.

Table 88: Nyon Energy Park Location 48 Chipping Detritus

Chert	Secondary Flake		Tertiary Flake		Flake Fragment		Total	
	No.	%	No.	%	No.	%	No.	%
Onondaga	3	27.27	1	9.09	4	36.36	8	72.73
Burnt Onondaga	2	18.18	1	9.09	0	0.00	3	27.27
Total	5	45.45	2	18.18	4	36.36	11	100.00

3.48 Nyon Energy Park Location 49

Two pre-contact Aboriginal artifacts, both pieces of chipping detritus of Onondaga chert, one of which was burnt, were observed and collected at Location 49, despite survey intensification, as described in Section 2.0. The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 52 and in Map A, Supplementary Documentation A.

3.49 Nyon Energy Park Location 50

One pre-contact Aboriginal artifact, a retouched flake, manufactured from Onondaga chert, was observed and collected at Location 50, despite survey intensification, as described in Section 2.0. The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 53 and in Map A, Supplementary Documentation A.



3.50 Nyon Energy Park Location 51 (AfGt-231)

All diagnostic artifacts and formal tools observed at Location 50 were collected, as were a selection of other artifact types in order to document the site's extent, consistent with Section 2.1.1 Standard 8 and Standard 9 of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011). The artifact surface scatter, comprising over 200 Euro-Canadian artifacts, measured approximately 150 metres by 90 metres. In total, 204 artifacts were recovered from the site (Table 137). The complete Stage 2 artifact catalogue for the site is contained in Appendix B. The site is illustrated in Map 54 and in Map A, Supplementary Documentation A.

Table 89: Nyon Energy Park Location 51 Artifact Summary

Artifacts	Frequency	%
Historic Euro-Canadian		
Refined Ceramics		
creamware, painted	2	0.980
creamware, plain	2	0.980
ironstone	1	0.490
ironstone, banded	3	1.471
ironstone, flow transfer	1	0.490
ironstone, moulded	7	3.431
ironstone, painted	2	0.980
ironstone, plain	11	5.392
ironstone, plain	1	0.490
ironstone, sponged	2	0.980
ironstone, transfer printed	8	3.922
pearlware, painted	4	1.961
refined white earthenware	11	5.392
refined white earthenware, edged	3	1.471
refined white earthenware, painted	8	3.922
refined white earthenware, plain	7	3.431
refined white earthenware, stamped	3	1.471
refined white earthenware, transfer print	9	4.412
vitrified white earthenware	2	0.980
vitrified white earthenware, edged	1	0.490
vitrified white earthenware, painted	5	2.451
vitrified white earthenware, stamped	1	0.490
vitrified white earthenware, transfer printed	2	0.980
Utilitarian Wares		
coarse earthenware, red	3	1.471



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Artifacts	Frequency	%
coarse earthenware, yellow	1	0.490
stoneware, plain	1	0.490
yellowware, plain	8	3.922
Glass Vessels		
glass, bottle	33	16.176
glass, dish	9	4.412
glass, jar	2	0.980
glass, pharmaceutical	2	0.980
glass, white	3	1.471
Utensils		
utensil	1	0.490
Personal Items		
button, glass	1	0.490
white clay pipe, stem	1	0.490
porcelain, figurine	1	0.490
jewelry	1	0.490
Structural Items		
glass, window	12	5.882
nail, cut	4	1.961
nail, undetermined	1	0.490
nail, wire drawn	12	5.882
Equestrian Items		
horseshoe	2	0.980
Vehicular Items		
wheel and shank	1	0.490
Slag		
slag	1	0.490
Faunal Remains		
Faunal Remains	5	2.451
Recent Material		
recent material	3	1.471
Total	204	100.00



3.50.1 Nyon Energy Park Location 51 Historic Euro-Canadian Artifacts

A total of 201 historic Euro-Canadian artifacts and three recent items were recovered from Location 51 (Image 59 and 60). Mid- to late 19th-century ceramic tablewares such as refined white earthenwares, ironstone pieces and vitrified white earthenwares dominate the ceramic assemblage, with a small percentage of early 19th-century creamwares and pearlwares also present.

Most ceramic wares are decorated and include late palette painted floral designs (ca. 1830s-1840s), the moulded Ceres pattern (patented 1859), various geometric and landscape transfer-prints, blue industrial banding (popular on vitrified wares during the latter half of the 19th century), and decal motifs (prevalent after 1908) (Sussman 1985:7; Millar 2000). The only identifiable manufacturer's mark is that of Mellor, Taylor & Co, dating between 1880 and 1904 (Birks 2004).

The glass bottle assemblage is dominated by solarized glassware, most common from the last quarter of the 19th century to World War I (Jones and Sullivan 1989:13). One solarized moulded bottle exhibits a "Hamilton, Canadian Cannery Ltd" mark, dating between 1904 and 1910 (Elder n.d.). Bottle finishes include *prescription finishes*, common on prescription medicine bottles manufactured from the 1870s through to the 1920s, and one *bead finish*, primarily used on medicinal bottles, but occasionally seen on other bottled products ranging from liquor to pepper sauce, foods, and condiments from the early 19th century into the 20th century (Lindsey 2014). The pressed glass items recovered were popular in Canada from the 1870s to the 1920s (Adams et al. 1994).

The historic Euro-Canadian assemblage also contains cut nails (post-1830), wire nails (post-1890), a Bannerman white clay smoking pipe (1857-1907), a blue glass bead, a brown and white stone pendant or brooch setting, a glass marble and a vitrified cherub head from a figurine.

The historic Euro-Canadian occupation of Nyon Energy Park Location 51 (AfGt-231) commenced by the mid-19th century, if not earlier, and extended into the early 20th century. The height of occupation was between the late 19th- to early 20th-century, given the dominance of artifacts dating to this time period.



4.0 ANALYSIS AND CONCLUSIONS

A total of 49 archaeological sites was identified during the Stage 2 archaeological assessment. All of these sites were located first through pedestrian survey in the agricultural fields in the south-central and southeastern portions of the study area. The extent of one location, Location 2, was further documented through test pit survey in the small bush lot at the northeastern corner of the eastern agricultural field.

The following subsections describe and summarise the age and cultural affiliations of each site. They also provide an evaluation of each site's level of cultural heritage value or interest. **Twenty-five of the 49 sites are recommended for Stage 3 archaeological assessment, while 24 of the 49 sites are not recommended for further investigation.** These evaluations inform the recommendations, outlined in Section 5.0.

4.1 Isolated Findspots Not Requiring Further Assessment

The following 16 locations are isolated findspots: Location 4A, 4B, 4C, 7, 11, 15, 17, 18, 23, 29, 31, 33, 34, 35, 39 and 50. The isolated, non-diagnostic archaeological resources recovered from each isolated findspot are deemed to possess extremely low cultural heritage value or interest which is considered to have been sufficiently assessed and documented through this Stage 2 analysis and report. Locations 4A and 4C are historic Euro-Canadian findspots. Locations 23 and 39 are Late Woodland findspots, each represented by a single Late Woodland projectile point. The age and cultural affiliation of the remaining isolated findspots can only be identified as pre-contact Aboriginal. **No further archaeological assessment of isolated findspots known as Location 4A, 4B, 4C, 7, 11, 15, 17, 18, 23, 29, 31, 33, 34, 35, 39 and 50 is required.** This conclusion is consistent with the cultural heritage value or interest evaluation criteria in Section 2.2, Standard 1 of the *Standards* (MTCS 2011).

4.1.1 Nyon Energy Park Location 4A

One artifact was observed and collected at Location 4A. This artifact is an historic Euro-Canadian gunflint fragment, manufactured on English Dover flint.

Due to the paucity of finds from the surface collection at the site, **the level of cultural heritage value or interest of this site is judged to be low.** It is concluded that the archaeological resources of this site have been sufficiently assessed and documented through the Stage 2 assessment. This conclusion is consistent with Section 2.2, Standard 1.c of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011a).

4.1.2 Nyon Energy Park Location 4B

One pre-contact Aboriginal artifact, a piece of chipping detritus of Onondaga chert, was observed and collected at Location 4B.

Due to the paucity of finds from the surface collection at the site, **the level of cultural heritage value or interest of this site is judged to be low.** It is concluded that the archaeological resources of this site have been sufficiently assessed and documented through the Stage 2 assessment. This conclusion is consistent with



Section 2.2, Standard 1.a and 1.b of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011a).

4.1.3 Nyon Energy Park Location 4C

One 20th century artifact, the metal base of a shotgun shell, was observed and collected at Location 4C.

Due to the paucity of finds from the surface collection at the site, **the level of cultural heritage value or interest of this site is judged to be low**. It is concluded that the archaeological resources of this site have been sufficiently assessed and documented through the Stage 2 assessment. This conclusion is consistent with Section 2.2, Standard 1.c of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011a).

4.1.4 Nyon Energy Park Location 7

One pre-contact Aboriginal artifact, a piece of Onondaga chert chipping detritus, was observed and collected at Location 7. It is not currently possible to assign an age or cultural affiliation to the site, apart from being pre-contact Aboriginal.

Due to the paucity of finds from the surface collection at the site, **the level of cultural heritage value or interest of this site is judged to be low**. It is concluded that the archaeological resources of this site have been sufficiently assessed and documented through the Stage 2 assessment. This conclusion is consistent with Section 2.2, Standard 1.a and 1.b of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011a).

4.1.5 Nyon Energy Park Location 11

One pre-contact Aboriginal artifact, a piece of Onondaga chert chipping detritus, was observed and collected at Location 11. It is not currently possible to assign an age or cultural affiliation to the site, apart from being pre-contact Aboriginal.

Due to the paucity of finds from the surface collection at the site, **the level of cultural heritage value or interest of this site is judged to be low**. It is concluded that the archaeological resources of this site have been sufficiently assessed and documented through the Stage 2 assessment. This conclusion is consistent with Section 2.2, Standard 1.a and 1.b of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011a).

4.1.6 Nyon Energy Park Location 15

One pre-contact Aboriginal artifact, a retouched flake, manufactured from Onondaga chert, was observed and collected at Location 15. It is not currently possible to assign an age or cultural affiliation to the site, apart from being pre-contact Aboriginal.

Due to the paucity of finds from the surface collection at the site, **the level of cultural heritage value or interest of this site is judged to be low**. It is concluded that the archaeological resources of this site have been sufficiently assessed and documented through the Stage 2 assessment. This conclusion is consistent with



Section 2.2, Standard 1.a and 1.b of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011a).

4.1.7 Nyon Energy Park Location 17

One pre-contact Aboriginal artifact, an Onondaga chert flake fragment, was observed and collected at Location 17. It is not currently possible to assign an age or cultural affiliation to the site, apart from being pre-contact Aboriginal.

Due to the paucity of finds from the surface collection at the site, **the level of cultural heritage value or interest of this site is judged to be low**. It is concluded that the archaeological resources of this site have been sufficiently assessed and documented through the Stage 2 assessment. This conclusion is consistent with Section 2.2, Standard 1.a and 1.b of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011a).

4.1.8 Nyon Energy Park Location 18

One pre-contact Aboriginal artifact, an Onondaga chert flake fragment, was observed and collected at Location 18. It is not currently possible to assign an age or cultural affiliation to the site, apart from being pre-contact Aboriginal.

Due to the paucity of finds from the surface collection at the site, **the level of cultural heritage value or interest of this site is judged to be low**. It is concluded that the archaeological resources of this site have been sufficiently assessed and documented through the Stage 2 assessment. This conclusion is consistent with Section 2.2, Standard 1.a and 1.b of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011a).

4.1.9 Nyon Energy Park Location 23

One pre-contact Aboriginal artifact, a Nanticoke Notched projectile point base fragment, manufactured from Onondaga chert, was observed and collected at Location 23. In Ontario, the Nanticoke Notched projectile point type dates to *circa* A.D. 1400-1650, during the late Late Woodland to the time of early Contact (Fox 1981b, 1981c; Lennox and Fitzgerald 1990:421-423).

Due to the paucity of finds from the surface collection at the site, **the level of cultural heritage value or interest of this site is judged to be low**. It is concluded that the archaeological resources of this site have been sufficiently assessed and documented through the Stage 2 assessment. This conclusion is consistent with Section 2.2, Standard 1.a and 1.b of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011a).

4.1.10 Nyon Energy Park Location 29

One pre-contact Aboriginal artifact, a utilized flake, manufactured from Onondaga chert was observed and collected at Location 29. It is not currently possible to assign an age or cultural affiliation to the site, apart from being pre-contact Aboriginal.



Due to the paucity of finds from the surface collection at the site, **the level of cultural heritage value or interest of this site is judged to be low.** It is concluded that the archaeological resources of this site have been sufficiently assessed and documented through the Stage 2 assessment. This conclusion is consistent with Section 2.2, Standard 1.a and 1.b of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011a).

4.1.11 Nyon Energy Park Location 31

One pre-contact Aboriginal artifact, a utilized flake, manufactured from Onondaga chert, was observed and collected at Location 31. It is not currently possible to assign an age or cultural affiliation to the site, apart from being pre-contact Aboriginal.

Due to the paucity of finds from the surface collection at the site, **the level of cultural heritage value or interest of this site is judged to be low.** It is concluded that the archaeological resources of this site have been sufficiently assessed and documented through the Stage 2 assessment. This conclusion is consistent with Section 2.2, Standard 1.a and 1.b of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011a).

4.1.12 Nyon Energy Park Location 33

One pre-contact Aboriginal artifact, a biface fragment, manufactured from Onondaga chert, was observed and collected at Location 33. It is not currently possible to assign an age or cultural affiliation to the site, apart from being pre-contact Aboriginal.

Due to the paucity of finds from the surface collection at the site, **the level of cultural heritage value or interest of this site is judged to be low.** It is concluded that the archaeological resources of this site have been sufficiently assessed and documented through the Stage 2 assessment. This conclusion is consistent with Section 2.2, Standard 1.a and 1.b of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011a).

4.1.13 Nyon Energy Park Location 34

One pre-contact Aboriginal artifact, a retouched flake, manufactured from Onondaga chert, was observed and collected at Location 34. It is not currently possible to assign an age or cultural affiliation to the site, apart from being pre-contact Aboriginal.

Due to the paucity of finds from the surface collection at the site, **the level of cultural heritage value or interest of this site is judged to be low.** It is concluded that the archaeological resources of this site have been sufficiently assessed and documented through the Stage 2 assessment. This conclusion is consistent with Section 2.2, Standard 1.a and 1.b of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011a).



4.1.14 Nyon Energy Park Location 35

One pre-contact Aboriginal artifact, a retouched flake, manufactured from Onondaga chert, was observed and collected at Location 35. It is not currently possible to assign an age or cultural affiliation to the site, apart from being pre-contact Aboriginal.

Due to the paucity of finds from the surface collection at the site, **the level of cultural heritage value or interest of this site is judged to be low**. It is concluded that the archaeological resources of this site have been sufficiently assessed and documented through the Stage 2 assessment. This conclusion is consistent with Section 2.2, Standard 1.a and 1.b of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011a).

4.1.15 Nyon Energy Park Location 39

One pre-contact Aboriginal artifact, a Madison projectile point, manufactured from Onondaga chert, was observed and collected at Location 39. In Ontario, Daniels Triangular projectile points date to the very late pre-contact period or protohistoric period till the dissolution of the Neutral Nation, approximately A.D. 1550-1650 (Fox 1981a). While it is said that Daniels projectile points are related to the Madison form (see Ritchie 1971) of New York (Fox 1981a), date ranges of A.D. 1200-1400 and/or of A.D. 1400-1450 have been given for Madison-like forms in southwestern Ontario (Murphy and Ferris 1990:218, 225; see also Fox 1981a).

Due to the paucity of finds from the surface collection at the site, **the level of cultural heritage value or interest of this site is judged to be low**. It is concluded that the archaeological resources of this site have been sufficiently assessed and documented through the Stage 2 assessment. This conclusion is consistent with Section 2.2, Standard 1.a and 1.b of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011a).

4.1.16 Nyon Energy Park Location 50

One pre-contact Aboriginal artifact, a retouched flake, manufactured from Onondaga chert, was observed and collected at Location 50. It is not currently possible to assign an age or cultural affiliation to the site, apart from being pre-contact Aboriginal.

Due to the paucity of finds from the surface collection at the site, **the level of cultural heritage value or interest of this site is judged to be low**. It is concluded that the archaeological resources of this site have been sufficiently assessed and documented through the Stage 2 assessment. This conclusion is consistent with Section 2.2, Standard 1.a and 1.b of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011a).

4.2 Low-Yielding Sites Not Requiring Further Assessment

Locations 5, 8, 9, 10, 19, 21, 25 and 49 all had more than two but less than 10 non-diagnostic pre-contact Aboriginal artifacts observed within a 10 metre by 10 metre area during pedestrian survey. No determination can be made regarding the age or cultural affiliation of these sites other than to say that they are pre-contact



Aboriginal. These low-yielding archaeological sites are deemed to possess very low cultural heritage value or interest which is considered to have been sufficiently assessed and documented through this Stage 2 analysis and report. **No further archaeological assessment of the eight low-yielding sites Locations 5, 8, 9, 10, 19, 21, 25 and 49 is required.** This conclusion is consistent with the cultural heritage value or interest evaluation criteria in Section 2.2, Standard 1 of the *Standards* (MTCS 2011).

4.2.1 Nyon Energy Park Location 5

The artifact surface scatter, comprising four pre-contact Aboriginal artifacts, all of which were collected, measured approximately 36 metres by 20 metres. It is not currently possible to assign an age or cultural affiliation to the site, apart from being pre-contact Aboriginal.

Due to the paucity of finds from the surface collection at the site, **the level of cultural heritage value or interest of this site is judged to be low.** It is concluded that the archaeological resources of this site have been sufficiently assessed and documented through the Stage 2 assessment. This conclusion is consistent with Section 2.2, Standard 1.a and 1.b of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011a).

4.2.2 Nyon Energy Park Location 8

The artifact surface scatter, comprising 9 pre-contact Aboriginal lithics, measured approximately 45 metres by 20 metres. It is not currently possible to assign an age or cultural affiliation to the site, apart from being pre-contact Aboriginal.

Due to the paucity of finds from the surface collection at the site, **the level of cultural heritage value or interest of this site is judged to be low.** It is concluded that the archaeological resources of this site have been sufficiently assessed and documented through the Stage 2 assessment. This conclusion is consistent with Section 2.2, Standard 1.a and 1.b of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011a).

4.2.3 Nyon Energy Park Location 9

The artifact surface scatter, comprising five pre-contact Aboriginal lithics, measured approximately 6 metres by 6 metres. It is not currently possible to assign an age or cultural affiliation to the site, apart from being pre-contact Aboriginal.

Due to the paucity of finds from the surface collection at the site, **the level of cultural heritage value or interest of this site is judged to be low.** It is concluded that the archaeological resources of this site have been sufficiently assessed and documented through the Stage 2 assessment. This conclusion is consistent with Section 2.2, Standard 1.a and 1.b of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011a).



4.2.4 Nyon Energy Park Location 10

The artifact surface scatter, comprising four pre-contact Aboriginal artifacts, measured approximately nine metres by seven metres. It is not currently possible to assign an age or cultural affiliation to the site, apart from being pre-contact Aboriginal.

Due to the paucity of finds from the surface collection at the site, **the level of cultural heritage value or interest of this site is judged to be low**. It is concluded that the archaeological resources of this site have been sufficiently assessed and documented through the Stage 2 assessment. This conclusion is consistent with Section 2.2, Standard 1.a and 1.b of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011a).

4.2.5 Nyon Energy Park Location 19

The artifact surface scatter, comprising six pre-contact Aboriginal lithics, measured approximately 40 metres by 66 metres. It is not currently possible to assign an age or cultural affiliation to the site, apart from being pre-contact Aboriginal.

Due to the paucity of finds from the surface collection at the site, **the level of cultural heritage value or interest of this site is judged to be low**. It is concluded that the archaeological resources of this site have been sufficiently assessed and documented through the Stage 2 assessment. This conclusion is consistent with Section 2.2, Standard 1.a and 1.b of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011a).

4.2.6 Nyon Energy Park Location 21

The artifact surface scatter, comprising four pre-contact Aboriginal lithics, measured approximately 10 metres by five metres. It is not currently possible to assign an age or cultural affiliation to the site, apart from being pre-contact Aboriginal.

Due to the paucity of finds from the surface collection at the site, **the level of cultural heritage value or interest of this site is judged to be low**. It is concluded that the archaeological resources of this site have been sufficiently assessed and documented through the Stage 2 assessment. This conclusion is consistent with Section 2.2, Standard 1.a and 1.b of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011a).

4.2.7 Nyon Energy Park Location 25

The artifact surface scatter, comprising three pre-contact Aboriginal lithics, measured approximately 8 metres by 8 metres. It is not currently possible to assign an age or cultural affiliation to the site, apart from being pre-contact Aboriginal.

Due to the paucity of finds from the surface collection at the site, **the level of cultural heritage value or interest of this site is judged to be low**. It is concluded that the archaeological resources of this site have been sufficiently assessed and documented through the Stage 2 assessment. This conclusion is consistent with



Section 2.2, Standard 1.a and 1.b of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011a).

4.2.8 Nyon Energy Park Location 49

Two pre-contact Aboriginal artifacts, both pieces of chipping detritus of Onondaga chert, one of which was burnt, were observed and collected at Location 49. It is not currently possible to assign an age or cultural affiliation to the site, apart from being pre-contact Aboriginal.

Due to the paucity of finds from the surface collection at the site, **the level of cultural heritage value or interest of this site is judged to be low.** It is concluded that the archaeological resources of this site have been sufficiently assessed and documented through the Stage 2 assessment. This conclusion is consistent with Section 2.2, Standard 1.a and 1.b of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011a).

4.3 Archaeological Sites Requiring Further Assessment

Locations Gordon Baker site, 2, 3, 6, 12, 13, 14, 16, 20/22/26, 24, 27, 28, 30, 36, 37, 38, 40/41, 42, 43, 44, 45, 46, 47, 48 and 51 all represent archaeological sites containing sufficient cultural heritage value or interest to warrant further archaeological assessment.

4.3.1 Gordon Baker Site

The artifact surface scatter, comprising approximately 110 artifacts, the majority of which were pre-contact Aboriginal artifacts with a small number of historic Euro-Canadian artifacts, measured approximately 65 metres by 55 metres. In total, 40 artifacts were recovered from the site.

Thin-walled pre-contact Aboriginal ceramics and triangular projectile points were recovered from this site. While it proved difficult to type the projectile points, they reflect Late Woodland and possibly Middle Woodland occupation of the site. A potential date range between A.D. 500 and 1300 is suggested for Cat. #17, as a Levanna point or a Glen Meyer Tanged point. In Ontario, the Levanna projectile point type dates to *circa* A.D. 500-1050, during the early Late Woodland (Bursey 1995; Ferris and Spence 1995:103; Ritchie 1971:31-32; Williamson 1990:299). In Ontario, the Glen Meyer Tanged type dates to *circa* A.D. 750/1050-1300, during the Early Ontario Iroquoian period or early-mid Late Woodland (Fox 1982; Williamson 1990:299, 301; Ritchie 1971:33-34, 88). In terms of size, it is also possible that this item is, instead, a Daniels point or Madison point preform (i.e. not thinned to completion). In Ontario, Daniels Triangular projectile points date to the very late pre-contact period or protohistoric period till the dissolution of the Neutral Nation, approximately A.D. 1550-1650 (Fox 1981a). While it is said that Daniels projectile points are related to the Madison form (see Ritchie 1971) of New York (Fox 1981a), date ranges of A.D. 1200-1400 and/or of A.D. 1400-1450 have been given for Madison-like forms in southwestern Ontario (Murphy and Ferris 1990:218, 225; see also Fox 1981a).

It was unsure whether Cat. #22 represents a Port Maitland point (Middle Woodland) or instead an incompletely notched Nanticoke Notched (Late Woodland) form. In Ontario, the Port Maitland type is associated with the late



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Middle Woodland and dates to *circa* A.D. 500-800 (see Spence et al. 1990:153, 156; see also Ritchie 1971:125). In Ontario, the Nanticoke Notched type dates to *circa* A.D. 1400-1650, during the late Late Woodland to the time of early Contact (Fox 1981b, 1981c; Lennox and Fitzgerald 1990:421-423). Thus potential temporal placement of this item could be from about A.D. 500 to 1650.

Of the pre-contact Aboriginal ceramics, Cat. #1, a body sherd, shows what appears to be a smoothed-over ribbed paddle surface treatment. This is considered a trait of the early part of the Middle Ontario Iroquoian period, during what is known as the Uren Substage, dating *circa* A.D. 1300-1350 (Dodd et al. 1990:330; Ferris and Spence 1995:112).

Owing to its relatively small size and relative low density of artifacts, this site is interpreted as a hamlet or a seasonal campsite, although its seasonality is unknown.

No other sites in the study area have thus far produced pre-contact Aboriginal ceramics, although other researchers have documented a Late Woodland presence in the vicinity. The placement of this site, should it be determined to be a hamlet or campsite of the Late Woodland, seems somewhat unexpected, given the overall low-lying nature of the undisturbed portion of the study area and its immediate surroundings. Its position by the Lyons Creek Drain, formerly a natural creek, and near what may have been wetlands to the east and southwest may offer some reasons for occupation here at that time.

Given the number and nature of the pre-contact Aboriginal artifacts (e.g. Aboriginal ceramics) recovered, **the level of cultural heritage value or interest of the pre-contact Aboriginal component of the site is deemed to be high**. This conclusion is consistent with Section 2.2, Standard 1.a and 1.b of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011). The three historic Euro-Canadian artifacts recovered at the site have low cultural heritage value or interest. This conclusion is consistent with Section 2.2, Standard 1.c of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011).

Given the Woodland presence at this site, it is believed that Stage 4 mitigation will be required following Stage 3 investigations.

4.3.2 Nyon Energy Park Location 2

The artifact surface scatter, comprising over 200 artifacts and including a small sample of pre-contact Aboriginal artifacts with a preponderance of historic Euro-Canadian artifacts, measured approximately 100 metres by 120 metres. Test pit survey of the adjacent bush lot produced 40 historic Euro-Canadian artifacts across nine positive test pits also associated with Location 2.

Assemblages of both the pre-contact Aboriginal and historic Euro-Canadian artifacts were encountered at this multi-component site. One projectile point, a Kramer point, was identified. In Ontario, this projectile point type projectile dates to *circa* 500 B.C. – A.D. 1, during the Early Woodland to Middle Woodland (Parker 1992:8). The pre-contact Aboriginal assemblage was diffuse and low-yielding. Location 2 may represent a short-occupation campsite from this time period. The historic Euro-Canadian assemblage was dense and extensive. During this period, the site appears to have been a homestead. The position of still-extant walls were recorded within the bush lot portion of the site, during test pitting, although the western portion of the site was located first in the agricultural field.



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Given the high number of artifacts recovered, **the level of cultural heritage value or interest of the Euro-Canadian component of site is deemed to be high.** This conclusion is consistent with Section 2.2, Standard 1.c of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011). The five pre-contact Aboriginal lithic artifacts have low cultural heritage value or interest. This conclusion is consistent with Section 2.2, Standard 1.a and 1.b of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011).

Whether Stage 4 mitigation will be required following Stage 3 investigations has not yet been established, however, should 80% or more of the occupation be found to pre-date 1870, the site should be recommended for Stage 4 mitigation, as per Section 3.4.2, Standard 1.a of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011).

In addition, although only five pre-contact Aboriginal lithics were recovered (and were not recovered together within a 10 metre by 10 metre area), should a Woodland (Early to Middle Woodland) pre-contact Aboriginal presence be found to be more extensive at the site, Stage 4 mitigation may also be required to target that component, as per Section 3.5, Standard 1.c. of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011).

4.3.3 Nyon Energy Park Location 3

The artifact surface scatter, comprising approximately 265 artifacts, the majority of which were pre-contact Aboriginal with a very small sample of historic Euro-Canadian artifacts, measured approximately 75 metres by 150 metres. Pre-contact Aboriginal lithic assemblages of both the Late Archaic and the Late Woodland were identified at this location. A Lamoka Stemmed specimen was recovered and, in Ontario, this projectile point type dates to *circa* 3200-2200 B.C., during the Narrow Point Late Archaic (Ellis et al. 2009:812; Ritchie 1971:29, 82-85). The Nanticoke Triangular projectile point specimen, in Ontario, dates to *circa* A.D. 1400-1650, during the late Late Woodland to the time of early Contact (Fox 1981b, 1981c; Lennox and Fitzgerald 1990:421-423).

Given the number and nature of the pre-contact Aboriginal artifacts (e.g. Aboriginal ceramics) recovered, **the level of cultural heritage value or interest of the pre-contact Aboriginal component of the site is deemed to be high.** This conclusion is consistent with Section 2.2, Standard 1.a of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011). The five historic Euro-Canadian artifacts recovered at the site have low cultural heritage value or interest. This conclusion is consistent with Section 2.2, Standard 1.c of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011).

Given the Woodland presence at this site, it is believed that Stage 4 mitigation will be required following Stage 3 investigations.

4.3.4 Nyon Energy Park Location 6

The artifact surface scatter, comprising approximately 13 pre-contact Aboriginal lithics, measured approximately 11 metres by 13 metres. It is not currently possible to assign an age or cultural affiliation to the site, apart from being pre-contact Aboriginal.



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Given the number and nature of the pre-contact Aboriginal artifacts recovered, **the level of cultural heritage value or interest of site is deemed to be high**. This conclusion is consistent with Section 2.2, Standard 1.a of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011).

Whether Stage 4 mitigation will be required following Stage 3 investigations has not yet been established.

4.3.5 Nyon Energy Park Location 12

The artifact surface scatter, comprising approximately 100 artifacts, all pre-contact Aboriginal lithics, measured approximately 36 metres by 33 metres. It is not currently possible to assign an age or cultural affiliation to the site, apart from being pre-contact Aboriginal.

Given the number and nature of the pre-contact Aboriginal artifacts recovered, **the level of cultural heritage value or interest of site is deemed to be high**. This conclusion is consistent with Section 2.2, Standard 1.a of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011).

Whether Stage 4 mitigation will be required following Stage 3 investigations has not yet been established.

4.3.6 Nyon Energy Park Location 13

The artifact surface scatter, comprising approximately 12 pre-contact Aboriginal lithics, measured approximately 8 metres by 19 metres.

Given the number and nature of the pre-contact Aboriginal artifacts recovered, **the level of cultural heritage value or interest of site is deemed to be high**. This conclusion is consistent with Section 2.2, Standard 1.a of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011).

Whether Stage 4 mitigation will be required following Stage 3 investigations has not yet been established.

4.3.7 Nyon Energy Park Location 14

The artifact surface scatter, comprising over 200 pre-contact Aboriginal lithics, measured approximately 52 metres by 85 metres. Pre-contact Aboriginal lithic assemblages of what is possibly the Middle Archaic and of the late Woodland were identified at this location. In Ontario, the Brewerton Eared projectile point type dates to *circa* 3780-3200 B.C., during the Middle Archaic (Ellis et al. 2009:807-811; Kenyon 1981; Ritchie 1971:17, 68-69). In Ontario, Daniels Triangular projectile points date to the very late pre-contact period or protohistoric period till the dissolution of the Neutral Nation, approximately A.D. 1550-1650 (Fox 1981a). While it is said that Daniels projectile points are related to the Madison form (see Ritchie 1971) of New York (Fox 1981a), date ranges of A.D. 1200-1400 and/or of A.D. 1400-1450 have been given for Madison-like forms in southwestern Ontario (Murphy and Ferris 1990:218, 225; see also Fox 1981a).

Given the number and nature of the pre-contact Aboriginal artifacts recovered, **the level of cultural heritage value or interest of the site is deemed to be high**. This conclusion is consistent with Section 2.2, Standard 1.a of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011).



Given the Woodland presence at this site, it is believed that Stage 4 mitigation will be required following Stage 3 investigations.

4.3.8 Nyon Energy Park Location 16

The artifact surface scatter, comprising approximately 15 pre-contact Aboriginal artifacts, measured approximately eight metres by 12 metres. It is not currently possible to assign an age or cultural affiliation to the site, apart from being pre-contact Aboriginal.

Given the number and nature of the pre-contact Aboriginal artifacts recovered, **the level of cultural heritage value or interest of the site is deemed to be high**. This conclusion is consistent with Section 2.2, Standard 1.a of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011).

Whether Stage 4 mitigation will be required following Stage 3 investigations has not yet been established.

4.3.9 Nyon Energy Park Location 20/22/26

The artifact surface scatter, comprising over 100 pre-contact Aboriginal lithics, measured approximately 60 metres by 70 metres.

A Brewerton Side-Notched projectile point was recovered from this site. In Ontario, this projectile point type dates to *circa* 3780-3200 B.C., during the Middle Archaic (Ellis et al. 1990:72-73; Ellis et al. 2009:807-811; Kenyon 1981). The Middle Archaic is represented at the site with the Brewerton Side-Notched projectile point. An increase in the number of sites has been noted for the Middle Archaic versus the Early Archaic (Ellis et al. 1990:90-91). Large basecamps of the period point to a reduction in mobility and greater sedentism at this time (Ramsden 2008:72). A greater emphasis on local stone resources and specific environmental niches at a time of reducing wetlands and decreasing biomass has been suggested for this period (Ramsden 2008:70-71).

Due to its extent and overall diversity and density of artifacts, this site may have been a base camp, although its seasonality is unknown.

Given the number and nature of the pre-contact Aboriginal artifacts recovered, **the level of cultural heritage value or interest of the site is deemed to be high**. This conclusion is consistent with Section 2.2, Standard 1.a of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011).

Whether Stage 4 mitigation will be required following Stage 3 investigations has not yet been established.

4.3.10 Nyon Energy Park Location 24

The artifact surface scatter, comprising approximately 30 pre-contact Aboriginal lithics, measured approximately 31 metres by 23 metres. A Madison or Daniels projectile point, with a broken tip, was collected from the site. In Ontario, Daniels Triangular projectile points date to the very late pre-contact period or protohistoric period till the dissolution of the Neutral Nation, approximately A.D. 1550-1650 (Fox 1981a). While it is said that Daniels projectile points are related to the Madison form (see Ritchie 1971) of New York (Fox 1981a), date ranges of



A.D. 1200-1400 and/or of A.D. 1400-1450 have been given for Madison-like forms in southwestern Ontario (Murphy and Ferris 1990:218, 225; see also Fox 1981a).

Given the number and nature of the pre-contact Aboriginal artifacts recovered, **the level of cultural heritage value or interest of the site is deemed to be high**. This conclusion is consistent with Section 2.2, Standard 1.a of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011).

Given the Woodland presence at this site, it is believed that Stage 4 mitigation will be required following Stage 3 investigations.

4.3.11 Nyon Energy Park Location 27

The diffuse artifact surface scatter, comprising approximately 40 pre-contact Aboriginal lithics, measured approximately 34 metres by 34 metres. It is not currently possible to assign an age or cultural affiliation to the site, apart from being pre-contact Aboriginal.

Given the number and nature of the pre-contact Aboriginal artifacts recovered, **the level of cultural heritage value or interest of the site is deemed to be high**. This conclusion is consistent with Section 2.2, Standard 1.a of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011).

Whether Stage 4 mitigation will be required following Stage 3 investigations has not yet been established.

4.3.12 Nyon Energy Park Location 28

The artifact surface scatter, comprising 11 pre-contact Aboriginal lithics, measured approximately 10 metres by 11 metres. It is not currently possible to assign an age or cultural affiliation to the site, apart from being pre-contact Aboriginal.

Given the number and nature of the pre-contact Aboriginal artifacts recovered, **the level of cultural heritage value or interest of the site is deemed to be high**. This conclusion is consistent with Section 2.2, Standard 1.a of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011).

Whether Stage 4 mitigation will be required following Stage 3 investigations has not yet been established.

4.3.13 Nyon Energy Park Location 30

Location 30 is an isolated findspot but because it is represented by a Levanna projectile point dating to the early Late Woodland in Ontario (*circa* A.D. 500-1050) (Bursey 1995; Ferris and Spence 1995:103; Ritchie 1971:31-32; Williamson 1990:299), a period not well documented in the Niagara region.

Given the nature (early Late Woodland) of the pre-contact Aboriginal artifact recovered, **the level of cultural heritage value or interest of the site is deemed to be high**. This conclusion is consistent with Section 2.2, Guideline 2 of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011).

Given the Woodland presence at this site, it is possible that Stage 4 mitigation will be required following Stage 3 investigations, should additional pre-contact Aboriginal artifacts be recovered.



4.3.14 Nyon Energy Park Location 36

The artifact surface scatter, comprising over 100 pre-contact Aboriginal lithics, measured approximately 30 metres by 30 metres. It is not currently possible to assign an age or cultural affiliation to the site, apart from being pre-contact Aboriginal.

Given the number and nature of the pre-contact Aboriginal artifacts recovered, **the level of cultural heritage value or interest of the site is deemed to be high**. This conclusion is consistent with Section 2.2, Standard 1.a of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011).

Whether Stage 4 mitigation will be required following Stage 3 investigations has not yet been established.

4.3.15 Nyon Energy Park Location 37

The artifact surface scatter, comprising over 100 pre-contact Aboriginal artifacts, measured approximately 55 metres by 40 metres. It is not currently possible to assign an age or cultural affiliation to the site, apart from being pre-contact Aboriginal.

Given the number and nature of the pre-contact Aboriginal artifacts recovered, **the level of cultural heritage value or interest of the site is deemed to be high**. This conclusion is consistent with Section 2.2, Standard 1.a of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011).

Whether Stage 4 mitigation will be required following Stage 3 investigations has not yet been established.

4.3.16 Nyon Energy Park Location 38

The artifact surface scatter, comprising five pre-contact Aboriginal lithics, measured approximately 20 metres by 22 metres. It is not currently possible to assign an age or cultural affiliation to the site, apart from being pre-contact Aboriginal.

Four pre-contact Aboriginal lithic tools, including a projectile point tip and a scraper, both manufactured from Haldimand chert were recovered from the site. Haldimand chert is often considered a 'period-specific' material that was favoured during the Late Palaeo-Indian (Hi-Lo and Holcombe, c. 10,000 B.C. or somewhat later, depending on calibration) and again in the later Early Archaic (Bifurcate Base, c. 8000-6910 B.C. or slightly later, depending on calibration) (Bursey 1994; Ellis and Deller 1990:56-57; Ellis et al. 1990:71, 78; Ellis et al. 1991; Woodley 1996). Two of the Onondaga lithic specimens were heavily patinated, which may also suggest remote age for the site.

Given the nature of the pre-contact Aboriginal artifacts recovered (Haldimand chert), **the level of cultural heritage value or interest of the site is deemed to be high**. This conclusion is consistent with Section 2.2, Standard 1.b.ii of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011).

Whether Stage 4 mitigation will be required following Stage 3 investigations has not yet been established, although, should the site be shown to be of Late Palaeo-Indian or Early Archaic age, Stage 4 investigations will be required.



4.3.17 Nyon Energy Park Location 40/41

The artifact surface scatter, comprising 21 pre-contact Aboriginal lithics, measured approximately 15 metres by 34 metres. Within a 10 metre by 10 metre area of the site, 15 artifacts were recovered. It is not currently possible to assign an age or cultural affiliation to the site, apart from being pre-contact Aboriginal.

Given the number and nature of the pre-contact Aboriginal artifacts recovered, **the level of cultural heritage value or interest of the site is deemed to be high**. This conclusion is consistent with Section 2.2, Standard 1.a of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011).

Whether Stage 4 mitigation will be required following Stage 3 investigations has not yet been established.

4.3.18 Nyon Energy Park Location 42

The artifact surface scatter, comprising approximately 100 artifacts and including both pre-contact Aboriginal lithics and historic Euro-Canadian artifacts, measured approximately 50 metres by 45 metres. It is not currently possible to assign an age or cultural affiliation of the pre-contact Aboriginal component of the site, apart from being pre-contact Aboriginal.

Given the number and nature of the pre-contact Aboriginal artifacts recovered, **the level of cultural heritage value or interest of the pre-contact Aboriginal component of the site is deemed to be high**. This conclusion is consistent with Section 2.2, Standard 1.a of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011). The six historic Euro-Canadian artifacts recovered at the site have low cultural heritage value or interest. This conclusion is consistent with Section 2.2, Standard 1.c of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011).

Whether Stage 4 mitigation will be required following Stage 3 investigations has not yet been established.

4.3.19 Nyon Energy Park Location 43

The artifact surface scatter, comprising approximately 100 pre-contact Aboriginal lithics, measured approximately 60 metres by 60 metres. Two projectile points were recovered from the site: a stemmed, serrated Crawford Knoll projectile point and an Otter Creek projectile point. In Ontario, Crawford Knoll projectile point types date to *circa* 1800/1700-1100 B.C., during the Small Point Late Archaic (Ellis et al. 1990:97, 107-108; Ellis et al. 2009:818-821). In Ontario, Otter Creek projectile point types dates to *circa* 4340-3960 B.C., during the Middle Archaic (Ellis et al. 2009:802; Ritchie 1971:40-41). Otter Creek projectile points are recognised in New York State and Vermont associated with the Vergennes complex of the Laurentian Archaic (Ritchie 1971:40-41; cf. Ellis et al. 2009:806), and in southwestern Quebec and southeastern Ontario, for example, at the Healey Falls site on the Trent River and the Allumette Island site in the Ottawa River (Ellis et al. 1990:83; Ellis et al. 2009:806-807). The Laurentian Archaic is defined as a Middle Archaic tradition that includes copper and some large burial sites on major rivers in this upland region. Few sites of this period have been extensively reported (Ellis et al. 1990:90).



Given the number and nature of the pre-contact Aboriginal artifacts recovered, **the level of cultural heritage value or interest of the site is deemed to be high**. This conclusion is consistent with Section 2.2, Standard 1.a of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011).

Whether Stage 4 mitigation will be required following Stage 3 investigations has not yet been established.

4.3.20 Nyon Energy Park Location 44

The artifact surface scatter, comprising approximately 100 pre-contact Aboriginal lithics, measured approximately 60 metres by 60 metres. It is not currently possible to assign an age or cultural affiliation to the site, apart from being pre-contact Aboriginal.

Given the number and nature of the pre-contact Aboriginal artifacts recovered, **the level of cultural heritage value or interest of the site is deemed to be high**. This conclusion is consistent with Section 2.2, Standard 1.a of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011).

Whether Stage 4 mitigation will be required following Stage 3 investigations has not yet been established.

4.3.21 Nyon Energy Park Location 45

The artifact surface scatter, comprising approximately 25 artifacts, measured approximately 17 metres by 10 metres. It is not currently possible to assign an age or cultural affiliation to the site, apart from being pre-contact Aboriginal.

Given the number and nature of the pre-contact Aboriginal artifacts recovered, **the level of cultural heritage value or interest of the site is deemed to be high**. This conclusion is consistent with Section 2.2, Standard 1.a of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011).

Whether Stage 4 mitigation will be required following Stage 3 investigations has not yet been established.

4.3.22 Nyon Energy Park Location 46

The artifact surface scatter, comprising 21 pre-contact Aboriginal lithics, measured approximately 22 metres by 33 metres. Ten artifacts were recovered from a 10 metre by 10 metre area of the site. It is not currently possible to assign an age or cultural affiliation to the site, apart from being pre-contact Aboriginal.

Given the number and nature of the pre-contact Aboriginal artifacts recovered, **the level of cultural heritage value or interest of the site is deemed to be high**. This conclusion is consistent with Section 2.2, Standard 1.a of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011).

Whether Stage 4 mitigation will be required following Stage 3 investigations has not yet been established.



4.3.23 Nyon Energy Park Location 47

The artifact surface scatter, comprising approximately 18 pre-contact Aboriginal artifacts, measured approximately 20 metres by 15 metres. It is not currently possible to assign an age or cultural affiliation to the site, apart from being pre-contact Aboriginal.

Given the number and nature of the pre-contact Aboriginal artifacts recovered, **the level of cultural heritage value or interest of the site is deemed to be high**. This conclusion is consistent with Section 2.2, Standard 1.a of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011).

Whether Stage 4 mitigation will be required following Stage 3 investigations has not yet been established.

4.3.24 Nyon Energy Park Location 48

The artifact surface scatter, comprising 15 artifacts, measured approximately 32 metres by 34 metres. It is not currently possible to assign an age or cultural affiliation to the site, apart from being pre-contact Aboriginal.

Given the number and nature of the pre-contact Aboriginal artifacts recovered, **the level of cultural heritage value or interest of the site is deemed to be high**. This conclusion is consistent with Section 2.2, Standard 1.a of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011).

Whether Stage 4 mitigation will be required following Stage 3 investigations has not yet been established.

4.3.25 Nyon Energy Park Location 51

The artifact surface scatter, comprising over 200 Euro-Canadian artifacts, measured approximately 150 metres by 90 metres.

Given the high number of artifacts recovered, **the level of cultural heritage value or interest of the Euro-Canadian component of site is deemed to be high**. This conclusion is consistent with Section 2.2, Standard 1.c of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011).

Whether Stage 4 mitigation will be required following Stage 3 investigations has not yet been established, however, should 80% or more of the occupation be found to pre-date 1870, the site should be recommended for Stage 4 mitigation, as per Section 3.4.2, Standard 1.a of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011).



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

5.0 RECOMMENDATIONS

A total of 49 archaeological sites were identified during the Stage 2 archaeological assessment of Nyon Energy Park. Given the findings of the Stage 2 archaeological assessment, recommendations are made below on a site-by-site basis in table format:

Due to the lack of or diffuse nature of the identified artifacts at 24 of the 49 archaeological sites, they do not represent significant archaeological resources and their cultural heritage value or interest has been sufficiently assessed and documented through the Stage 2 archaeological assessment. **These 24 sites may be considered free of further archaeological concern and no further archaeological assessment of these sites is required, as indicated in Table 90.**

Table 90: Nyon Energy Park Locations Not Recommended for Further Archaeological Assessment

Nyon Energy Park Location	Borden Number	Time Period	Recommended for Stage 3?	Rationale	Diagnostics
Nyon Energy Park Location 4A	None	Historic Euro-Canadian	No. Location is not of further cultural heritage value or interest	Isolated find. Does not meet Section 2.2, Standard 1 criteria	gunflint on Dover flint
Nyon Energy Park Location 4B	None	Pre-Contact Aboriginal (indeterminate)	No. Location is not of further cultural heritage value or interest	Isolated find. Does not meet Section 2.2, Standard 1 criteria	N/A
Nyon Energy Park Location 4C	None	Historic Euro-Canadian	No. Location is not of further cultural heritage value or interest	Isolated find. Does not meet Section 2.2, Standard 1 criteria	shotgun shell base
Nyon Energy Park Location 5	None	Pre-Contact Aboriginal (indeterminate)	No. Location is not of further cultural heritage value or interest	4 artifacts in 36m x 20m. Does not meet Section 2.2, Standard 1 criteria	N/A
Nyon Energy Park Location 7	None	Pre-Contact Aboriginal (indeterminate)	No. Location is not of further cultural heritage value or interest	Isolated find. Does not meet Section 2.2, Standard 1 criteria	N/A



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Nyon Energy Park Location	Borden Number	Time Period	Recommended for Stage 3?	Rationale	Diagnostics
Nyon Energy Park Location 8	None	Pre-Contact Aboriginal (indeterminate)	No. Location is not of further cultural heritage value or interest	8 artifacts in 45m x 20m. Does not meet Section 2.2, Standard 1 criteria	N/A
Nyon Energy Park Location 9	AfGt-206	Pre-Contact Aboriginal (indeterminate)	No. Location is not of further cultural heritage value or interest	5 artifacts in 6m x 6m. Does not meet Section 2.2, Standard 1 criteria	N/A
Nyon Energy Park Location 10	AfGt-207	Pre-Contact Aboriginal (indeterminate)	No. Location is not of further cultural heritage value or interest	4 artifacts in a 9m x 7m. Does not meet Section 2.2, Standard 1 criteria	N/A
Nyon Energy Park Location 11	None	Pre-Contact Aboriginal (indeterminate)	No. Location is not of further cultural heritage value or interest	Isolated find. Does not meet Section 2.2, Standard 1 criteria	N/A
Nyon Energy Park Location 15	None	Pre-Contact Aboriginal (indeterminate)	No. Location is not of further cultural heritage value or interest	Isolated find. Does not meet Section 2.2, Standard 1 criteria	N/A
Nyon Energy Park Location 17	None	Pre-Contact Aboriginal (indeterminate)	No. Location is not of further cultural heritage value or interest	Isolated find. Does not meet Section 2.2, Standard 1 criteria	N/A
Nyon Energy Park Location 18	None	Pre-Contact Aboriginal (indeterminate)	No. Location is not of further cultural heritage value or interest	Isolated find. Does not meet Section 2.2, Standard 1 criteria	N/A
Nyon Energy Park Location 19	None	Pre-Contact Aboriginal (indeterminate)	No. Location is not of further cultural heritage value or interest	6 artifacts in 40m x 60m. Does not meet Section 2.2, Standard 1 criteria	N/A



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Nyon Energy Park Location	Borden Number	Time Period	Recommended for Stage 3?	Rationale	Diagnostics
Nyon Energy Park Location 21	AfGt-212	Pre-Contact Aboriginal (indeterminate)	No. Location is not of further cultural heritage value or interest	4 artifacts in 11m x 4.5m. Does not meet Section 2.2, Standard 1 criteria	N/A
Nyon Energy Park Location 23	AfGt-213	Late Woodland	No. Location is not of further cultural heritage value or interest	Isolated find. Does not meet Section 2.2, Standard 1 criteria	Nanticoke Notched, base
Nyon Energy Park Location 25	AfGt-215	Pre-Contact Aboriginal (indeterminate)	No. Location is not of further cultural heritage value or interest	3 artifacts in 8m x 8m. Does not meet Section 2.2, Standard 1 criteria	N/A
Nyon Energy Park Location 29	None	Pre-Contact Aboriginal (indeterminate)	No. Location is not of further cultural heritage value or interest	Isolated find. Does not meet Section 2.2, Standard 1 criteria	N/A
Nyon Energy Park Location 31	None	Pre-Contact Aboriginal (indeterminate)	No. Location is not of further cultural heritage value or interest	Isolated find. Does not meet Section 2.2, Standard 1 criteria	N/A
Nyon Energy Park Location 33	None	Pre-Contact Aboriginal (indeterminate)	No. Location is not of further cultural heritage value or interest	Isolated find. Does not meet Section 2.2, Standard 1 criteria	N/A
Nyon Energy Park Location 34	None	Pre-Contact Aboriginal (indeterminate)	No. Location is not of further cultural heritage value or interest	Isolated find. Does not meet Section 2.2, Standard 1 criteria	N/A
Nyon Energy Park Location 35	None	Pre-Contact Aboriginal (indeterminate)	No. Location is not of further cultural heritage value or interest	Isolated find. Does not meet Section 2.2, Standard 1 criteria	N/A



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Nyon Energy Park Location	Borden Number	Time Period	Recommended for Stage 3?	Rationale	Diagnostics
Nyon Energy Park Location 39	AfGt-222	Late Woodland	No. Location is not of further cultural heritage value or interest	Isolated find. Does not meet Section 2.2, Standard 1 criteria	Madison
Nyon Energy Park Location 49	None	Pre-Contact Aboriginal (indeterminate)	No. Location is not of further cultural heritage value or interest	2 artifacts. Does not meet Section 2.2, Standard 1 criteria	N/A
Nyon Energy Park Location 50	None	Pre-Contact Aboriginal (indeterminate)	No. Location is not of further cultural heritage value or interest	Isolated find. Does not meet Section 2.2, Standard 1 criteria	N/A

Due to the high number, density, nature or age of the identified artifacts at 25 of the 49 archaeological sites, they represent significant archaeological resources and their cultural heritage value or interest has not been sufficiently documented through the Stage 2 archaeological assessment. **Stage 3 archaeological assessments are required for these 25 sites prior to ground disturbance resulting from future development in the study area, as indicated in Table 91.**



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Table 91: Nyon Energy Park Locations Recommended for Further Archaeological Assessment

Nyon Energy Park Location	Borden Number	Time Period	Recommended for Stage 3?	Rationale	Diagnostics
Gordon Baker Site	AfGt-202	Late Woodland and Historic Euro-Canadian	Yes. Site is of further cultural heritage value or interest	Meets the Section 2.2, Standard 1.a. and b. criteria	1) Levanna or Glen Meyer Tanged or possibly Daniels or Madison preform 2) possible Port Maitland, tip missing, possible Nanticoke Notched with incomplete notching 3) pre-contact Aboriginal ceramics, Uren 4) Historic Euro-Canadian assemblage
Nyon Energy Park Location 2	AfGt-203	Early Woodland/Middle Woodland and Historic Euro-Canadian	Yes. Site is of further cultural heritage value or interest	Meets the Section 2.2, Standard 1.c. criteria	1) Kramer 2) Historic Euro-Canadian assemblage
Nyon Energy Park Location 3	AfGt-204	Early Late Archaic (Narrow Point) and Late Woodland	Yes. Site is of further cultural heritage value or interest	Meets the Section 2.2, Standard 1.a. criteria	1) Lamoka Stemmed 2) Nanticoke Triangular
Nyon Energy Park Location 6	AfGt-205	Pre-Contact Aboriginal (indeterminate)	Yes. Site is of further cultural heritage value or interest	Meets the Section 2.2, Standard 1.a. criteria	N/A
Nyon Energy Park Location 12	AfGt-208	Pre-Contact Aboriginal (indeterminate)	Yes. Site is of further cultural heritage value or interest	Meets the Section 2.2, Standard 1.a. criteria	N/A
Nyon Energy Park Location 13	AfGt-232	Pre-Contact Aboriginal (indeterminate)	Yes. Site is of further cultural heritage value or interest	Meets the Section 2.2, Standard 1.a. criteria	N/A



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Nyon Energy Park Location	Borden Number	Time Period	Recommended for Stage 3?	Rationale	Diagnostics
Nyon Energy Park Location 14	AfGt-209	possible Middle Archaic and Late Woodland	Yes. Site is of further cultural heritage value or interest	Meets the Section 2.2, Standard 1.a. criteria	1) possible Brewerton Eared-Triangular, one ear damaged 2) Madison or Daniels, tip missing
Nyon Energy Park Location 16	AfGt-210	Pre-Contact Aboriginal (indeterminate)	Yes. Site is of further cultural heritage value or interest	Meets the Section 2.2, Standard 1.a. criteria	N/A
Nyon Energy Park Location 20/22/26	AfGt-211	Middle Archaic	Yes. Site is of further cultural heritage value or interest	Meets the Section 2.2, Standard 1.a. criteria	Brewerton Side-Notched
Nyon Energy Park Location 24	AfGt-214	Late Woodland	Yes. Site is of further cultural heritage value or interest	Meets the Section 2.2, Standard 1.a. criteria	Madison or Daniels, tip missing
Nyon Energy Park Location 27	AfGt-216	Pre-Contact Aboriginal (indeterminate)	Yes. Site is of further cultural heritage value or interest	Meets the Section 2.2, Standard 1.a. criteria	N/A
Nyon Energy Park Location 28	AfGt-217	Pre-Contact Aboriginal (indeterminate)	Yes. Site is of further cultural heritage value or interest	Meets the Section 2.2, Standard 1.a. criteria	N/A
Nyon Energy Park Location 30	AfGt-218	Early Late Woodland	Yes. Site is of further cultural heritage value or interest	Recommended on Section 2.2, Guideline 2	Levanna, base
Nyon Energy Park Location 36	AfGt-219	Pre-Contact Aboriginal (indeterminate)	Yes. Site is of further cultural heritage value or interest	Meets the Section 2.2, Standard 1.a. criteria	N/A
Nyon Energy Park Location 37	AfGt-220	Pre-Contact Aboriginal (indeterminate)	Yes. Site is of further cultural heritage value or interest	Meets the Section 2.2, Standard 1.a. criteria	N/A



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Nyon Energy Park Location	Borden Number	Time Period	Recommended for Stage 3?	Rationale	Diagnostics
Nyon Energy Park Location 38	AfGt-221	Pre-Contact Aboriginal (indeterminate)	Yes. Site is of further cultural heritage value or interest	Meets the Section 2.2, Standard 1.b.ii. criteria	N/A (indeterminate, tip, manufactured from Haldimand chert and two heavily patinated Onondaga items)
Nyon Energy Park Location 40/41	AfGt-223	Pre-Contact Aboriginal (indeterminate)	Yes. Site is of further cultural heritage value or interest	Meets the Section 2.2, Standard 1.a. criteria	N/A (indeterminate, tip, finely flaked)
Nyon Energy Park Location 42	AfGt-224	Pre-Contact Aboriginal (indeterminate) and Historic Euro-Canadian	Yes. Site is of further cultural heritage value or interest	Meets the Section 2.2, Standard 1.a. criteria	Historic Euro-Canadian assemblage
Nyon Energy Park Location 43	AfGt-225	Middle Archaic and Late Archaic (Small Point)	Yes. Site is of further cultural heritage value or interest	Meets the Section 2.2, Standard 1.a. criteria	1) Otter Creek 2) Crawford Knoll, stemmed, serrated
Nyon Energy Park Location 44	AfGt-226	Pre-Contact Aboriginal (indeterminate)	Yes. Site is of further cultural heritage value or interest	Meets the Section 2.2, Standard 1.a. criteria	N/A
Nyon Energy Park Location 45	AfGt-227	Pre-Contact Aboriginal (indeterminate)	Yes. Site is of further cultural heritage value or interest	Meets the Section 2.2, Standard 1.a. criteria	N/A (indeterminate, stem)
Nyon Energy Park Location 46	AfGt-228	Pre-Contact Aboriginal (indeterminate)	Yes. Site is of further cultural heritage value or interest	Meets the Section 2.2, Standard 1.a. criteria	N/A
Nyon Energy Park Location 47	AfGt-229	Pre-Contact Aboriginal (indeterminate)	Yes. Site is of further cultural heritage value or interest	Meets the Section 2.2, Standard 1.a. criteria	N/A



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Nyon Energy Park Location	Borden Number	Time Period	Recommended for Stage 3?	Rationale	Diagnostics
Nyon Energy Park Location 48	AfGt-230	Pre-Contact Aboriginal (indeterminate)	Yes. Site is of further cultural heritage value or interest	Meets the Section 2.2, Standard 1.a. criteria	N/A
Nyon Energy Park Location 51	AfGt-231	Historic Euro-Canadian	Yes. Site is of further cultural heritage value or interest	Meets the Section 2.2, Standard 1.c. criteria	Historic Euro-Canadian assemblage

The Stage 3 archaeological assessment of all sites recommended for further assessment based on the Stage 2 pedestrian survey will include a controlled surface pick-up (CSP) and test unit excavation of the site, following the Standards within Section 3.2 of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011). The Stage 3 CSP will be preceded by ploughing and weathering of the field in which the site is located. Following the Stage 3 CSP, Stage 3 test unit excavation will occur. A five-metre by five-metre grid will be established and tied to a permanent datum. One-metre square test units will be placed to cover both the Stage 2 scatter area and the Stage 3 CSP area. Test units will be located at five-metre intervals and excavated by hand in stratigraphic levels to a depth of at least five centimetres into subsoil. Additional test units, amounting to 20% of the grid unit total, will be placed at areas of interest within the site extents. All excavated soil will be screened through six mm mesh. This strategy conforms to that of Section 3.2.3, Table 3.1, Standards 1 and 2 of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011). The two exceptions to this strategy are the Gordon Baker Site (AfGt-202) and Nyon Energy Park Location 20/22/26 (AfGt-211), which should instead conform to Section 3.2.3, Table 3.1., Standards 5, 6 and 7 of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011), which will include multiple grids, 20% additional units and 10% peripheral units between artifact scatters, subsequent to ploughing and weathering and CSP, as described above. Test units at these sites will also be excavated by hand in stratigraphic levels to a depth of at least five centimetres into subsoil. All excavated soil will be screened through six mm mesh.

Additionally, the area of Location 2 (AfGt-203) that was located within the bushlot will not require ploughing, weathering or CSP, as with the sites located in the agricultural fields. A five-metre by five-metre grid will be established and tied to a permanent datum and investigation conducted as per Section 3.2.3, Table 3.1, Standards 1 and 2. Should any areas of the site be found to be undisturbed, one-metre square test units will be placed to cover the Stage 2 positive test pit area, as per Section 3.2.3, Table 3.1, Standard 13 of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011). Test units will be located at five-metre intervals and excavated by hand in stratigraphic levels to a depth of at least five centimetres into subsoil. In order to define the extent of this portion of the site, at least three adjacent test units will be excavated along each grid line until yields of five or fewer artifacts are obtained for each test unit, as per Section 3.2.3, Table 3.1, Standard 14 of the *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011). All excavated soil will be screened through six mm mesh.



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

All artifacts observed at every site will be collected, retained and recorded and catalogued by their corresponding grid unit designation. If test unit excavation uncovers a cultural feature, the plan of the exposed feature will be exposed and geotextile fabric will be placed over the unit floor and the unit backfilled. The results of the Stage 3 assessment will help determine any necessary Stage 4 mitigation strategy, which may include long-term avoidance and protection of the site, or mitigation through excavation. Archaeologists will engage with First Nations groups expressing interest in the archaeological resources of the area prior to the formulation of Stage 4 mitigation strategies of any of the following Aboriginal archaeological sites requiring Stage 4 mitigation: rare Aboriginal archaeological sites, sites identified as sacred or known to contain human remains, Woodland Aboriginal sites, Aboriginal archaeological sites where topsoil stripping is being considered, undisturbed Aboriginal sites and sites previously identified as being of interest to an Aboriginal community.

During Stage 3 archaeological assessment, particular care should be afforded the pre-contact Aboriginal ceramics referred to as Cat. #s 2-13 of the Gordon Baker site, which may represent an *in situ* ceramic vessel recently struck by the plough (multiple sherds found together). UTM coordinates of these sherds are reported in Supplementary Documentation B.

The Environmental Protection (EP) Zone provides a protective buffer around the watercourse in the southeastern portion of the study area. This area was excluded from the study area for the Stage 1 archaeological assessment because these lands are not developable (Golder 2012; see also Section 2.1, Standard 2e of the *Standards and Guidelines* (MTCS 2011)). This area was also external to the study area as defined for this Stage 2 archaeological assessment. **Should future development be proposed that would impact this area it will require Stage 1 and 2 archaeological assessment.**

In email communication between Scott Martin of Golder and Malcolm Horne of MTCS (November 15, 2013), test pit survey was determined to be required in the area of the soil tailings of the eastern structure shown on the historic atlas map (Maps 4 and 5; Page 1876) and in-depth historical analysis was to be conducted to assess the potential that the western structure on the historic atlas map (Maps 4 and 5; Page 1876) might pre-date 1830. These combined approaches would offer insight into the remaining archaeological potential of the potential eastern and western structures.

All test pits in the vicinity of the eastern potential historic structure were found to be sterile of artifacts, however, subsoil was not encountered across the entire area around this eastern potential historical structure, so the findings of disturbance and lack of artefacts do not represent a complete picture and do not rule out that a foundation may still exist buried beneath the fill (see Page 1876). **Thus, the vicinity of the eastern potential historic structure retains archaeological potential.**

In-depth historical research of the Euro-Canadian settlement of the western edge of the study area concluded that the two structures in the southwest corner of the study area as shown on the 1876 historic atlas map (Maps 4 and 5; Page 1876; see also Golder 2012) do not pre-date 1830 nor did they belong to the first settlers of this part of the township. In email communications between Scott Martin of Golder and Malcolm Horne of MTCS (January 6, 8 and 19, 2015; see Supplementary Documentation C), it was determined that a mid-19th century age of the potential structures (see Section 1.2.2.1, above) would still indicate archaeological potential for both the vicinity of the western and eastern potential historic structures. **Thus, given the potential existence of a likely very deeply buried western historic structure and a less-deeply buried eastern historic structure, both of which potentially of mid-19th century age, the vicinities of both the western and eastern potential historic structures retain archaeological potential (see Map 55).**



Given the deeply buried conditions in the vicinities of both the western and eastern potential historic structures, Stage 2 construction monitoring of the mechanical removal of the soil fill tailings by a licensed consultant archaeologist will be required if these areas are impacted by future development, as per Section 2.1.7, Standard 4 of the *Standards and Guidelines* (MTCS 2011) (also Malcolm Horne, personal communication, January 6, 8 and 19, 2015; see Supplementary Documentation C). These areas comprise 70m construction monitoring zone radii around the estimated locations of the potential historic structures, as depicted in Map 55. The licensed archaeologist must be present on-site during the time of excavation in order to monitor fill removal (Section 2.1.7, Standard 4a of the *Standards and Guidelines* (MTCS 2011)). The licensed archaeologist must prepare in consultation with the proponent and contractors a contingency plan outlining procedures, documentation and time requirements in the event that archaeological resources are exposed (Section 2.1.7, Standard 4b of the *Standards and Guidelines* (MTCS 2011)). The licensed archaeologist must recover all diagnostic artifacts related to the archaeological site of cultural heritage value or interest that are exposed during monitoring, although is not required to recover diagnostic artifacts determined to be from fill layers (Section 2.1.7, Standard 4c of the *Standards and Guidelines* (MTCS 2011)).

The remainder of the study area, beyond those agricultural field areas with surface finds and test pit areas with positive test pits, and beyond the vicinity of the western and eastern potential historic structures, contains no archaeological resources and is considered free from further archaeological concern (see Golder 2012). **Apart from those areas mentioned above, no further archaeological assessment is recommended for the remainder of Site A's soil fill tailings areas (see also Golder 2012).**



6.0 ADVICE ON COMPLIANCE WITH LEGISLATION

This report is submitted to the Ontario Minister of Tourism, Culture and Sport as a condition of licensing in accordance with Part VI of the *Ontario Heritage Act*, R.S.O. 1990, c O.18. The report is reviewed to ensure that it complies with the standards and guidelines that are issued by the Minister, and that the archaeological fieldwork and report recommendations ensure the conservation, protection and preservation of the cultural heritage of Ontario. When all matters relating to archaeological sites within the project area of a development proposal have been addressed to the satisfaction of the Ministry of Tourism, Culture and Sport, a letter will be issued by the ministry stating that there are no further concerns with regard to alterations to archaeological sites by the proposed development.

It is an offence under Sections 48 and 69 of the *Ontario Heritage Act* for any party other than a licensed archaeologist to make any alteration to a known archaeological site or to remove any artifact or other physical evidence of past human use or activity from the site, until such time as a licensed archaeologist has completed fieldwork on the site, submitted a report to the Minister stating that the site has no further cultural heritage value or interest, and the report has been filed in the Ontario Public Register of Archaeology Reports referred to in Section 65.1 of the *Ontario Heritage Act*.

Should previously undocumented archaeological resources be discovered, they may be a new archaeological site and therefore subject to Section 48 (1) of the *Ontario Heritage Act*. The proponent or person discovering the archaeological resources must cease alteration of the site immediately and engage a licensed consultant archaeologist to carry out archaeological fieldwork, in compliance with Section 48 (1) of the *Ontario Heritage Act*.

The *Funeral, Burial and Cremation Services Act*, 2002, S.O. 2002, c.33, requires that any person discovering or having knowledge of a burial site shall immediately notify the police or coroner. It is recommended that the Registrar of Cemeteries at the Ministry of Consumer Services is also immediately notified.

Archaeological sites recommended for further archaeological fieldwork or protection remains subject to Section 48 (1) of the *Ontario Heritage Act* and may not be altered, or have artifacts removed from them, except by a person holding an archaeological licence.



7.0 BIBLIOGRAPHY AND SOURCES

Adams, Nick, Ian Kenyon and Dena Doroszenko

1994 *Field Manual for Avocational Archaeologists in Ontario*. Ontario Archaeological Society, Archaeological Stewardship Project.

Andrefsky, William

2005 *Lithics: Macroscopic Approaches to Analysis*. Second Edition. Cambridge: Cambridge University Press.

Birks, Steve

2004 Stoke-on-Trent. Website: <http://www.thepotteries.org>

Bursey, Jeffrey

1994 Chaingate (AhGw-11): A Late Archaic Perkiomen Site in Burlington, Ontario. *Ontario Archaeology* 57:45-63.

1995 The Transition from the Middle to Late Woodland Periods: A Re-Evaluation. In *Origins of the People of the Longhouse: Proceedings of the 21st Annual Symposium of the Ontario Archaeological Society*, edited by André Bekerman and Gary Warrick, pp. 43-54. Ontario Archaeological Society, Toronto.

Chapman, L.J. and D.F. Putnam

1984 *The Physiography of Southern Ontario*. 3rd edition. Ontario Geological Survey Special Volume 2. Ontario Ministry of Natural Resources, Toronto.

City of Port Colborne

2013 *City of Port Colborne Official Plan*. As Approved by Ontario Municipal Board on November 25, 2013. Electronic document accessed July 22, 2014
<http://portcolborne.ca/fileBin/library/2012%20Port%20Colborne%20OP%20-%20TEXT%20ONLY.pdf>

Dodd, Christine F., Dana R. Poulton, Paul A. Lennox, David G. Smith and Gary Crawford

1990 The Middle Ontario Iroquoian Stage. In *The Archaeology of Southern Ontario to A.D. 1650*, edited by Chris Ellis and Neal Ferris, pp. 321-360. Occasional Publication Number 5. London Chapter, Ontario Archaeological Society, London, Ontario.



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Dunnell, Robert and Julie Stein

1989 Teoretical Issues in the Interpretation of Microartifacts. *Geoarchaeology* 4(1):31-42.

Elder, Louise

n.d. The History of Canadian Cannors Limited, 1903-1986. Electronic document:
<http://images.ourontario.ca/Partners/Burlington/BHS0027798411T.PDF>. Last accessed: November 5, 2014.

Eley, B. and P. von Bitter

1989 *Cherts of Southern Ontario*. Royal Ontario Museum, Toronto.

Ellis, Christopher John

1979 *Analysis of Lithic Debitage from Fluted Point Sites in Ontario*. Unpublished M.A. Thesis, Department of Anthropology, McMaster University, Hamilton, Ontario.

Ellis, C.J. and B.D. Deller.

1990 Paleo-Indians. In *The Archaeology of Southern Ontario to A.D. 1650*. Occasional Publication of the London Chapter, Ontario Archaeological Society, Number 5. pp 37-63.

Ellis, C.J. and N. Ferris, (editors)

1990 *The Archaeology of Southern Ontario to A.D. 1650*. Occasional Publication of the London Chapter, Ontario Archaeological Society, Number 5.

Ellis, C.J., I.T. Kenyon and M.W. Spence

1990 The Archaic. In *The Archaeology of Southern Ontario to A.D. 1650*. Occasional Publication of the London Chapter, Ontario Archaeological Society, Number 5. pp 65-124.

Ellis, C.J., P. Timmins and H. Martelle

2009 At the Crossroads and Periphery: The Archaic Archaeological Record of Southern Ontario. In *Archaic Societies: Diversity and Complexity across the Midcontinent*, edited by Thomas E. Emerson, Dale L. McElrath and Andrew C. Fortier, pp. 787-837. State University of New York Press, Albany, NY.



Ellis, Chris J., Stanley Wortner and William A. Fox

- 1991 Nettling: An Overview of an Early Archaic "Kirk Corner-notched Cluster" Site in Southwestern Ontario. *Canadian Journal of Archaeology* 15:1-34.

Ferris, N.

- 2009 *The Archaeology of Native-Lived Colonialism: Challenging History in the Great Lakes*. University of Arizona Press, Tucson.

Ferris, Neal and Michael Spence

- 1995 The Woodland Traditions in Southern Ontario. *Revista de Arqueología Americana* 9:83-138.

Fisher, J.

- 1997 *The Adder Orchard Site: Lithic Technology and Spatial Organization in the Broadpoint Late Archaic*. Occasional Publications of the London Chapter, OAS, No. 3. London, Ontario.

Fladmark, Knut.

- 1982 Microdebitage analysis: Initial considerations. *Journal of Archaeological Science* 9(2): 205-220.

Fox, W.A.

- 1979 *Southern Ontario Chert Sources*. Unpublished Paper Presented at the 11th Annual Meeting of the Canadian Archaeological Association, Quebec City, Quebec.
- 1981a Daniels Triangular Point. *KEWA* 81(1).
- 1981b Nanticoke Notched Points. *KEWA* 81(3):10.
- 1981c Nanticoke Triangular Points. *KEWA* 81(4):8.
- 1982 Glen Meyer Points. *KEWA* 82(1):10.
- 1990 The Middle Woodland to Late Woodland transition. In *The Archaeology of Southern Ontario to A.D. 1650*, edited by Christopher Ellis and Neal Ferris, pp. 171-188. Occasional Papers of the London Chapter, Ontario Archaeological Society, No. 5. Ontario: Ontario Archaeological Society, London.
- 2009 Ontario Cherts Revisited. In *Painting the Past With a Broad Brush: Papers in Honour of James Valliere Wright*, edited by David Keenlyside and Jean-Luc Pilon, pp. 353-370. Mercury Series, Archaeology Paper 170. Canadian Museum of Civilization, Gatineau.



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Golder (Golder Associates Ltd.)

2012 *Revised Report, Stage 1 Archaeological Assessment, Nyon Energy Park, Part of Lots 23, 24 and 25, Concession 4 and Part of Lots 16, 17, 18 and 19, Concession 5, City of Port Colborne, R.M. of Niagara, Ontario.* Report on File, Ministry of Tourism, Culture and Sport, Toronto.

Jones, Olive and Catherine Sullivan

1989 *The Parks Canada Glass Glossary for the Description of Containers, Tableware, Flat Glass, and Closures.* Parks Canada, Ontario.

Kenyon, I.

1981 Brewerton Corner-Notched Points. *KEWA* 81(8):11.

Lennox, P.A., C.F. Dodd and C.R. Murphy

1986 *The Wiacek Site: A Late Middleport Component, Simcoe County, Ontario.* Ministry of Transportation and Communications, Toronto.

Lennox, Paul and William Fitzgerald

1990 The Culture History and Archaeology of the Neutral Iroquoians. In *The Archaeology of Southern Ontario to A.D. 1650*, edited by Chris Ellis and Neal Ferris, pp. 405-456. Occasional Publication Number 5. London Chapter, Ontario Archaeological Society, London, ON.

Lindsey, Bill

2014 Historic Glass Bottle Identification and Information Website. The Bureau of Land Management, Society for Historical Archaeology. Electronic document: <http://www.sha.org/bottle/index.htm>. Last accessed: November 7, 2014

MacDonald, Robert, Douglas Todd and Andrew Stewart

2007 Mt. Albion West Site (AhGw-131): Lithic Debitage. In *The Stage 4 Salvage Excavation of the Mt. Albion West Site (AhGw-131), Cultural Heritage Resource Assessment, Red Hill Creek Expressway (North-South Section), Impact Assessment, City of Hamilton, Ontario, License Report*, edited by Archaeological Services Inc., pp. 69-77. Unpublished report on file, Ministry of Culture, Toronto.



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Morris, J.L.

1943 *Indians of Ontario*. 1964 reprint. Department of Lands and Forests, Government of Ontario.

MTCS (Ministry of Tourism, Culture and Sport)

2011a *Standards and Guidelines for Consultant Archaeologists*. The Ministry of Tourism, Culture and Sport, Toronto.

2011b Sites within a One Kilometre Radius of the Study Area provided from the Ontario Archaeological Sites Database, December 5, 2011.

2013 Sites within a One Kilometre Radius of the Study Area provided from the Ontario Archaeological Sites Database, December 23, 2013.

Murphy, Carl and Neal Ferris

1990 The Late Woodland Western Basin Tradition of Southwestern Ontario. In *The Archaeology of Southern Ontario to A.D. 1650*, edited by Christopher Ellis and Neal Ferris, pp. 189-278. Occasional Papers of the London Chapter, Ontario Archaeological Society, No. 5. London, Ontario: Ontario Archaeological Society.

Ontario Heritage Act, R.S.O. 1990, c. O.18.

http://www.e-laws.gov.on.ca/html/statutes/english/elaws_statutes_90o18_e.htm (retrieved June 4, 2013).

Ontario Planning Act, R.S.O. 1990, c. P.13.

http://www.e-laws.gov.on.ca/html/statutes/english/elaws_statutes_90p13_e.htm (retrieved June 4, 2013).

Page, H.R.

1876 *Illustrated Historical Atlas of the Counties of Lincoln & Welland, Ont.* H.R. Page, Toronto.

Parker, L.

1992 Kramer Points. *KEWA* 92(8).



Ramsden, Peter G.

- 2008 Is There a North Atlantic Prehistory? The Case of the Neolithic and the Archaic. *North Atlantic Archaeology* 1:63-87.

Ritchie, William

- 1971 *A Typology and Nomenclature for New York Projectile Points*. Revised Edition. New York State Museum and Science Service, Bulletin Number 384. The University of the State of New York, The State Education Department, Albany, New York.

Rosenthal, Max.

- 1966 *Early Post Offices of the Welland Canal Region*. Journal of the British North American Philatelic Society. 23(4): 91-94, 98-99.

Schmalz, P.S.

- 1991 *The Ojibwa of Southern Ontario*. University of Toronto Press, Toronto.

Sonnenburg, Lisa

- 2010 *Holocene Lake-Level Change and Submerged Archaeological Site Potential of Rice Lake, Ontario*. Unpublished Ph.D. Dissertation, McMaster University.

Spence, Michael, Robert Pihl and Carl Murphy

- 1990 Cultural complexes of the Early and Middle Woodland periods. In *The Archaeology of Southern Ontario to A.D. 1650*, edited by Christopher Ellis and Neal Ferris, pp. 125-169. Occasional Papers of the London Chapter, Ontario Archaeological Society, No. 5. Ontario Archaeological Society, London.

Stelle, Lenville J

- 2011 *An Archaeological Guide to Historic Artefacts of the Upper Sangamon Basin, Central Illinois, U.S.A.* Parkland College, Illinois.

Sussman, Lynne

- 1985 The Wheat Pattern, An Illustrated Survey. *Studies in Archaeology, Architecture and History*, Parks Canada, Environment Canada, Ottawa.



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Telford, P. G. and G. A. Tarrant

1975 *Paleozoic Geology of the Dunnville Area, Southern Ontario*. Ontario Division of Mines, Preliminary Map P.988, Geological Series, Scale 1:50,000. Ontario Division of Mines, Toronto.

Union Publishing Co.

1885 Morrey's Farmers and Business Directory. Union Publishing Company: Ingersoll, Ontario

Whittaker, John

1994 *Flintknapping: Making & Understanding Stone Tools*. University of Texas Press, Austin.

Williamson, Ronald

1990 The Early Iroquoian Period of Southern Ontario. In *The Archaeology of Southern Ontario to A.D. 1650*, edited by Christopher Ellis and Neal Ferris, pp. 291-320. Occasional Papers of the London Chapter, Ontario Archaeological Society, No. 5. Ontario Archaeological Society, London.

Williamson, Ronald and Robert MacDonald (editors)

1997 *In the Shadow of the Bridge: The Archaeology of the Peace Bridge Site (AfGr-9), 1994-1996 Investigations*. Occasional Publications of Archaeological Services Inc., Volume 1. Archaeological Services Inc., Toronto.

Wilson, Bruce

2003 *Hamilton, Robert*. Dictionary of Canadian Biography (Vol. 5). University of Toronto/Universite Laval. [Online] http://www.biographi.ca/en/bio/hamilton_robert_5E.html. Last Accessed: 17 September 2014.

Woodley, Philip

1996 The Early Archaic Occupation of the Laphroaig Site, Brant County, Ontario. *Ontario Archaeology* 62:39-62.



8.0 IMPORTANT INFORMATION AND LIMITATIONS OF THIS REPORT

Golder Associates Ltd. (Golder) has prepared this report in a manner consistent with that level of care and skill ordinarily exercised by members of the archaeological profession currently practicing under similar conditions in the jurisdiction in which the services are provided, subject to the time limits and physical constraints applicable to this report. No other warranty, expressed or implied is made.

This report has been prepared for the specific site, design objective, developments and purpose described to Golder, by Nyon Marine Fuelling Corporation. The factual data, interpretations and recommendations pertain to a specific project as described in this report and are not applicable to any other project or site location.

The information, recommendations and opinions expressed in this report are for the sole benefit of the Client. No other party may use or rely on this report or any portion thereof without Golder's express written consent. If the report was prepared to be included for a specific permit application process, then upon the reasonable request of the Client, Golder may authorize in writing the use of this report by the regulatory agency as an Approved User for the specific and identified purpose of the applicable permit review process. Any other use of this report by others is prohibited and is without responsibility to Golder. The report, all plans, data, drawings and other documents as well as electronic media prepared by Golder are considered its professional work product and shall remain the copyright property of Golder, who authorizes only the Client and Approved Users to make copies of the report, but only in such quantities as are reasonably necessary for the use of the report by those parties. The Client and Approved Users may not give, lend, sell, or otherwise make available the report or any portion thereof to any other party without the express written permission of Golder. The Client acknowledges the electronic media is susceptible to unauthorized modification, deterioration and incompatibility and therefore the Client cannot rely upon the electronic media versions of Golder's report or other work products.

Unless otherwise stated, the suggestions, recommendations and opinions given in this report are intended only for the guidance of the Client in the design of the specific project.

Special risks occur whenever archaeological investigations are applied to identify subsurface conditions and even a comprehensive investigation, sampling and testing program may fail to detect all or certain archaeological resources. The sampling strategies incorporated in this study comply with those identified in the Ministry of Tourism, Culture and Sport's *Standards and Guidelines for Consultant Archaeologists* (MTCS 2011).



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

9.0 IMAGES

Image 1: Nyon Energy Park, Stage 2 Field and Weather Conditions, May 29, 2014, facing northeast (DSCF0777).



Image 2: Nyon Energy Park, Stage 2 Pedestrian Survey, 5 m Intervals, May 30, 2014, facing southwest (DSCF0784).



Image 3: Nyon Energy Park, Stage 2 Pedestrian Survey, 5 m Intervals, May 30, 2014, facing east (DSCF0795).



Image 4: Nyon Energy Park, Stage 2 Pedestrian Survey, 1 m Intensification, June 2, 2014, facing west (DSCF0809).





STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Image 5: Nyon Energy Park, Stage 2 Pedestrian Survey, 1 m intensification, May 30, 2014, facing west (DSCF0790).



Image 6: Nyon Energy Park, Stage 2 Test Pitting, June 4, 2014, facing north (DSCF0879).



Image 7: Nyon Energy Park, Stage 2 Test Pitting, June 4, 2014, facing south (DSCF0885).



Image 8: Nyon Energy Park, Stage 2 Test Pitting, representative disturbed test pit, June 4, 2014, facing north (DSCF0884).





STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Image 9: Nyon Energy Park, Stage 2 Test Pitting, disturbed area south of ploughed field, June 4, 2014, facing north (DSCF0897).



Image 10: Nyon Energy Park, Stage 2 Test Pitting, representative disturbed test pit, June 4, 2014, facing east (DSCF0891).



Image 11: Nyon Energy Park, Stage 2 Test Pitting, representative disturbed test pit, June 4, 2014, facing east (DSCF0892).



Image 12: Nyon Energy Park, Stage 2 Test Pitting, representative positive test pit (Test Pit #8), June 4, 2014, facing west (DSCF0883).





STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Image 13: Nyon Energy Park, Stage 2 Test Pitting, representative disturbed test pit, June 4, 2014, facing north (DSCF0917).



Image 14: Nyon Energy Park, Stage 2 Test Pitting, representative disturbed test pit, June 4, 2014, facing south (DSCF0918).



Image 15: Nyon Energy Park, Stage 2 Test Pitting, June 3, 2014, facing east (DSCF0840).



Image 16: Nyon Energy Park, Stage 2 Test Pitting, representative undisturbed test pit, June 3, 2014, facing north (DSCF0841).





STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Image 17: Nyon Energy Park, Stage 2 Test Pitting, representative disturbed test pit, June 4, 2014, facing west (DSCF0924).



Image 18: Nyon Energy Park, Stage 2 Test Pitting, representative disturbed test pit, June 4, 2014, facing west (DSCF0926).



Image 19: Nyon Energy Park, Stage 2 Test Pitting, representative test pit showing subsoil, June 4, 2014, facing north (DSCF0934).



Image 20: Nyon Energy Park, Water course, June 4, 2014, facing north (DSCF0915).





STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Image 21: Nyon Energy Park, Stage 2 Test Pitting, disturbed pedestrian pathway/former railway, June 4, 2014, facing south (DSCF0912).



Image 22: Nyon Energy Park, Stage 2 Test Pitting, expanded test pit showing disturbance in vicinity of eastern potential historic house, June 3, 2014, facing west (DSCF0857).



Image 23: Nyon Energy Park, Stage 2 Test Pitting, detailing slope of tailings section in vicinity of western potential historic house, June 3, 2014, facing south (DSCF0873).



Image 24: Nyon Energy Park, Stage 2 Test Pitting, area between two houses, disturbed test pit, south side, August 13, 2014, facing north (DSCF1236).





STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Image 25: Nyon Energy Park, Stage 2 Test Pitting, area between two houses, disturbed test pit, south side, August 13, 2014, facing north (DSCF1238).



Image 26: Nyon Energy Park, Stage 2 Test Pitting, area between two houses, disturbed test pit, south side, August 13, 2014, facing north (DSCF1240).



Image 27: Nyon Energy Park, Stage 2 Test Pitting, area between two houses, disturbed test pit, south side, August 13, 2014, facing north (DSCF1242).



Image 28: Nyon Energy Park, Stage 2 Test Pitting, area between two houses, south side, August 13, 2014, facing north (DSCF1244).





STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Image 29: Gordon Baker Site Pre-Contact Aboriginal Ceramics. Cat. #s 2, 3, 4, 5, 6 and 7 (l-r, top), 8, 9, 10, 11, 12 and 13 (l-r, middle), 14 and 18 (l-r, bottom).





STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Image 30: Gordon Baker Site Artifacts Lithic Tools. Cat. #s 16, 17, 22 and 25 (l-r, top) and 26, 34 and 37 (l-r, bottom).





STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Image 31: Nyon Energy Park Location 2 Artifacts. Cat. #s 32, 53, 101, 118, 21,108 (l-r, top), 113, 1, 139, 131, 86, 128 (l-r, 2nd row), 93, 112, 107, 106, 125, 140 (l-r, 3rd row), 144, 24, 136, 104, 94, 122, 129, 64, 133 (l-r, 4th row) and 4, 124, 123, 19, 119, 149, 176 (l-r, bottom row).





STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Image 32: Nyon Energy Park Location 2 Artifacts. Cat. #s 143, 102, 72, 52, 6 (l-r, top), and 109, 11, 138, 65, 60 (l-r, bottom).



Image 33: Nyon Energy Park Location 3 Artifacts. Cat. #s 2, 6 and 9 (l-r).





Image 34: Nyon Energy Park Location 4A Artifacts. Cat. #1.



Image 35: Nyon Energy Park Location 4C Artifacts. Cat. #1.





STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Image 36: Nyon Energy Park Location 8 Artifacts. Cat. #s 2, 3, 4, and 7 (l-r).

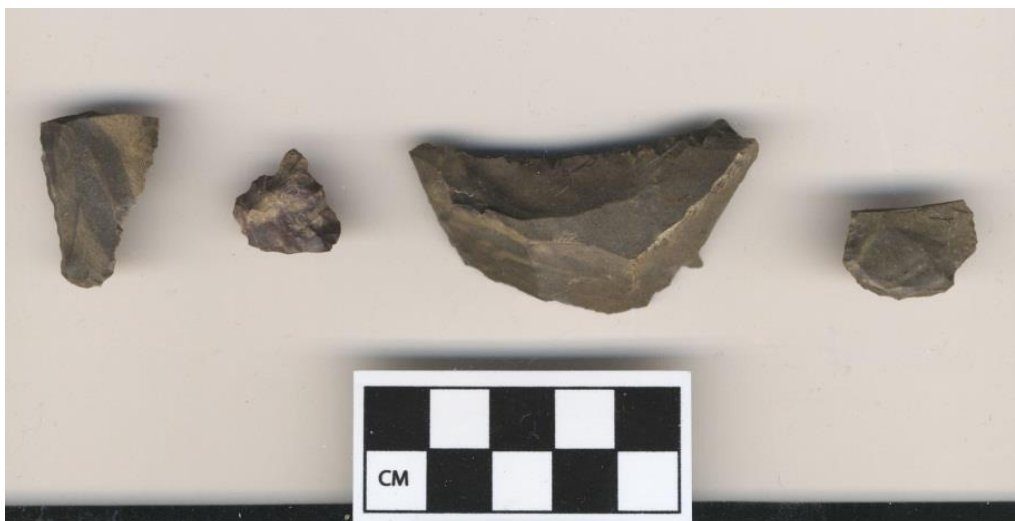


Image 37: Nyon Energy Park Location 9 Artifacts. Cat. #s 4 and 5 (l-r).





STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Image 38: Nyon Energy Park Location 14 Artifacts. Cat. #s 7 and 2 (l-r, top) and 15 and 18 (l-r, bottom).



Image 39: Nyon Energy Park Location 16 Artifact. Cat. #4.





STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Image 40: Nyon Energy Park Location 20/22/26 Artifacts. Cat. #s 7, 10, 19, 21, 24, 28 (l-r, top), 31, 34, 36, 37, 43, 45 (l-r, bottom).



Image 41: Nyon Energy Park Location 23 Artifacts. Cat. #1.





STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Image 42: Nyon Energy Park Location 24 Artifacts. Cat. #s 2, 3, 4 (l-r).



Image 43: Nyon Energy Park Location 25 Artifact. Cat. #1.





STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Image 44: Nyon Energy Park Location 27 Artifact. Cat. #s 16 and 17 (l-r).



Image 45: Nyon Energy Park Location 28 Artifact. Cat. #1.





STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Image 46: Nyon Energy Park Location 30 Artifact. Cat. #1.



Image 47: Nyon Energy Park Location 33 Artifact. Cat. #1.





STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Image 48: Nyon Energy Park Location 36 Artifacts. Cat. #s 7 and 20 (l-r).



Image 49: Nyon Energy Park Location 37 Artifacts. Cat. #s 7 and 11 (l-r).



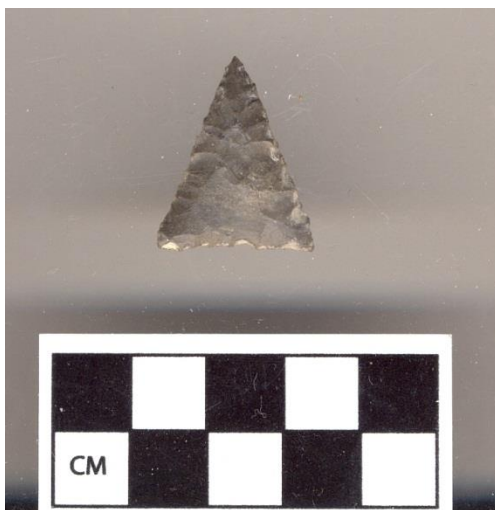


STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Image 50: Nyon Energy Park Location 38 Artifacts. Cat. #s 2 (top) and 4 (bottom).



Image 51: Nyon Energy Park Location 39 Artifact. Cat. #1.





STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Image 52: Nyon Energy Park Location 40/41 Artifacts. Cat. #s 1 and 20 (l-r).



Image 53: Nyon Energy Park Location 42 Artifacts. Cat. #s 7, 4 and 3 (l-r, top), 20 and 18 (l-r, middle) and 24, 23 and 21 (l-r, bottom).





STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Image 54: Nyon Energy Park Location 43 Artifacts. Cat. #s 2, 5 and 6 (l-r, top), 7, 11 and 23 (l-r, middle) and 24 and 31 (l-r, bottom).





STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Image 55: Nyon Energy Park Location 44 Artifacts. Cat. #s 4 and 8 (l-r, top) and 11, 12 and 16 (l-r, bottom).





STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Image 56: Nyon Energy Park Location 45 Artifact. Cat. #5.



Image 57: Nyon Energy Park Location 46 Artifacts. Cat. #s 7 and 8 (l-r, top) and 11 and 12 (l-r, bottom).





STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Image 58: Nyon Energy Park Location 48 Artifacts. Cat. #s 5 (top) and 10 (bottom).





STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Image 59: Nyon Energy Park Location 51 Artifacts. Cat. #s 112, 155, 104, 26 (l-r, top), 111, 53, 31, 95, 154, 1 (l-r, 2nd row), 84, 145, 2 (l-r, 3rd row), 62, 21, 27 (l-r, bottom).





STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Image 60: Nyon Energy Park Location 51 Artifacts. Cat. #s 22, 135, 73, 43, 39 (l-r, top), 90, 24, 79, 139, 153, 86, 85 (l-r, 2nd row), 14, 138, 29, 11, 126, 30, 128 (l-r, 3rd row), 129, 110, 119, 51 (l-r, bottom).

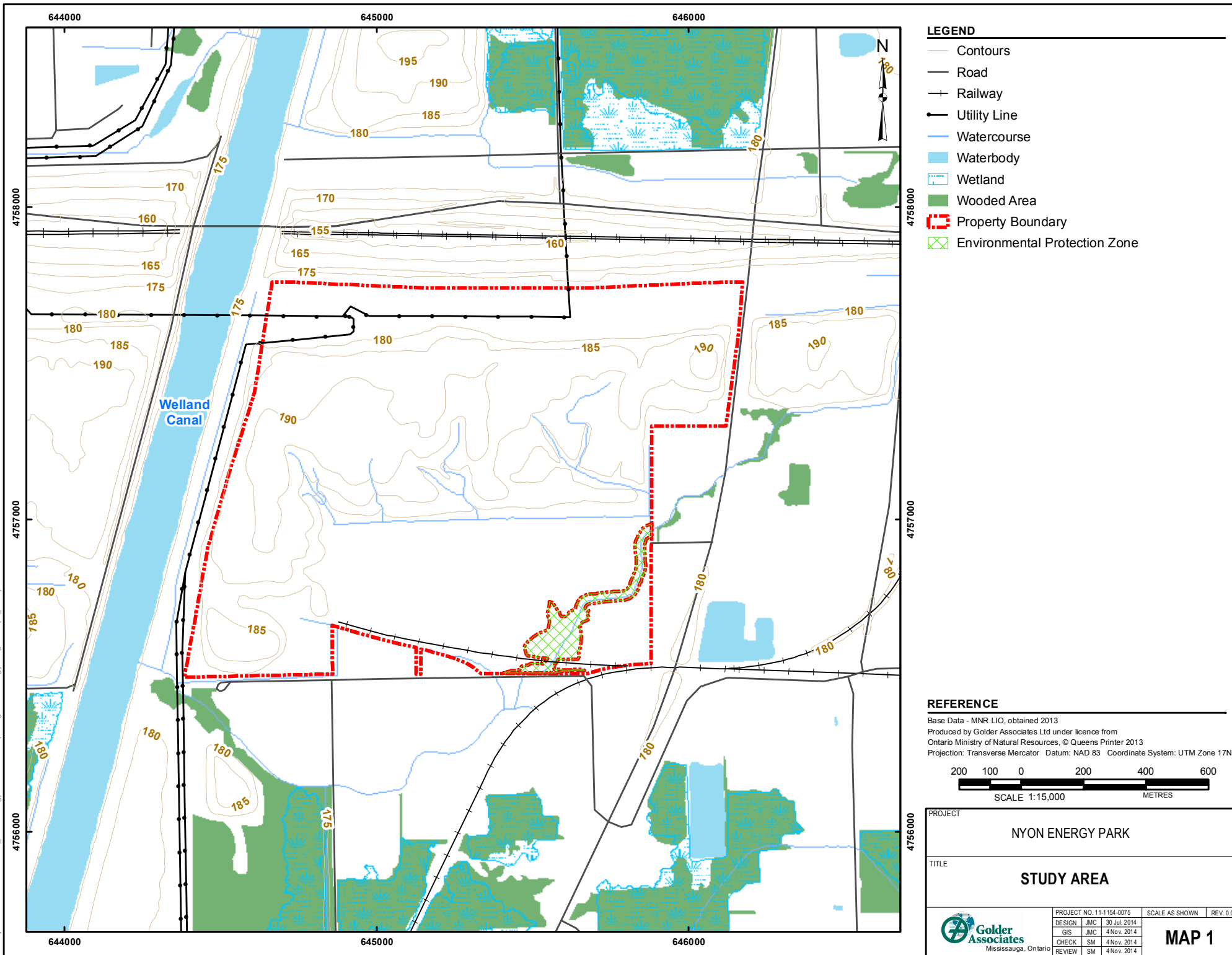




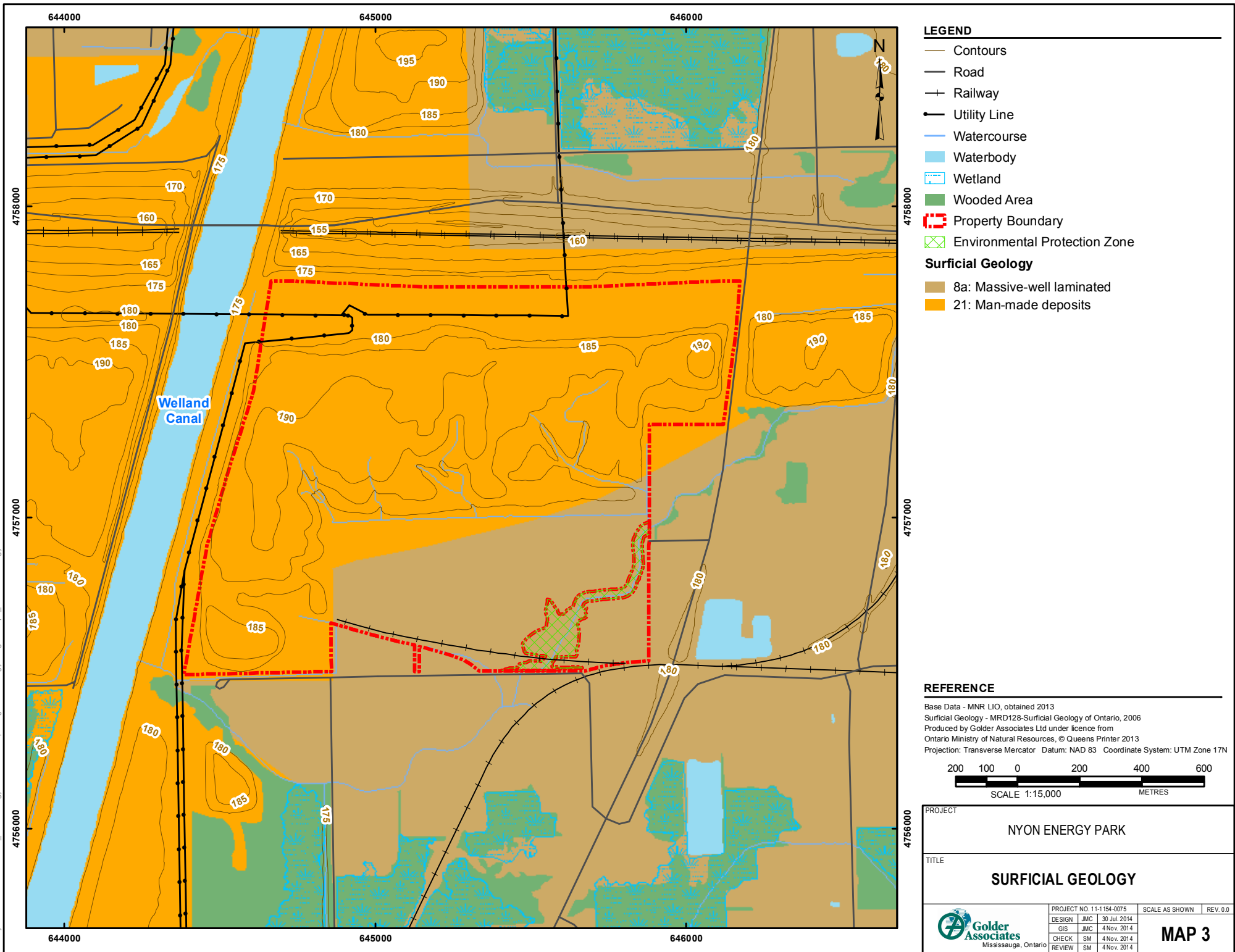
10.0 MAPS

Maps will follow on succeeding pages.

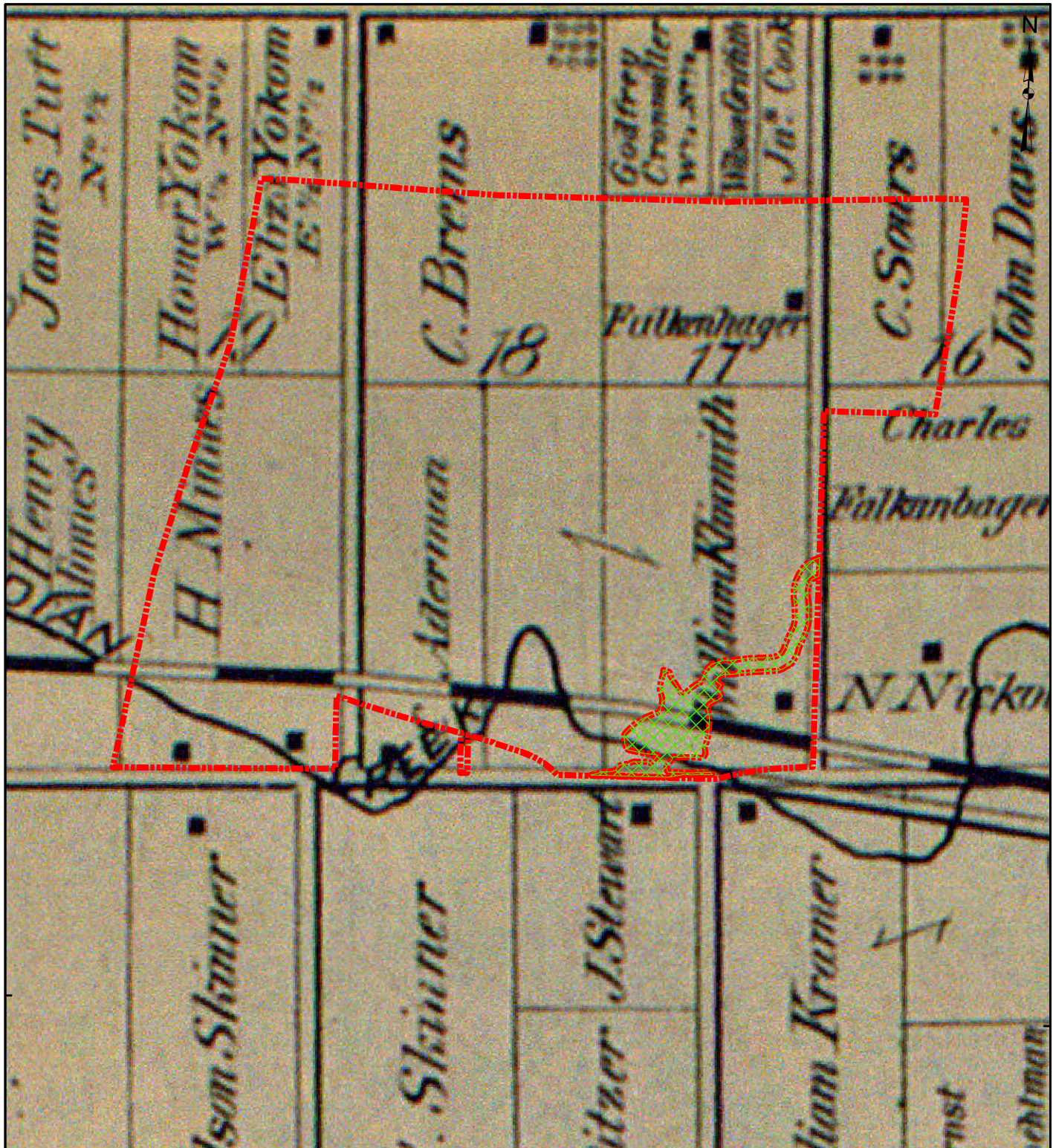
G:\Projects\2011\11-1154-0075_Archaeology\GIS\MapXDs\Reporting\Archaeology\Stage2\Map1_StudyArea.mxd



G:\Projects\2011\11-1154-0075_Archaeology\GIS\Map3\Reporting\Archaeology\Stage2\Map3_SurficialGeology.mxd



4756000



4756000

LEGEND

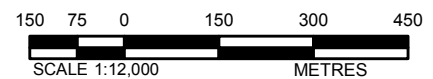
-  Environmental Protection Zone
-  Property Boundary

NOTES:

Page, H.R. 1876 Illustrated Historical Atlas of the Counties of Lincoln and Welland, Ont. H.R. Page, Toronto

REFERENCE

Produced by Golder Associates Ltd under licence from
Ontario Ministry of Natural Resources, © Queens Printer 2012
Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N

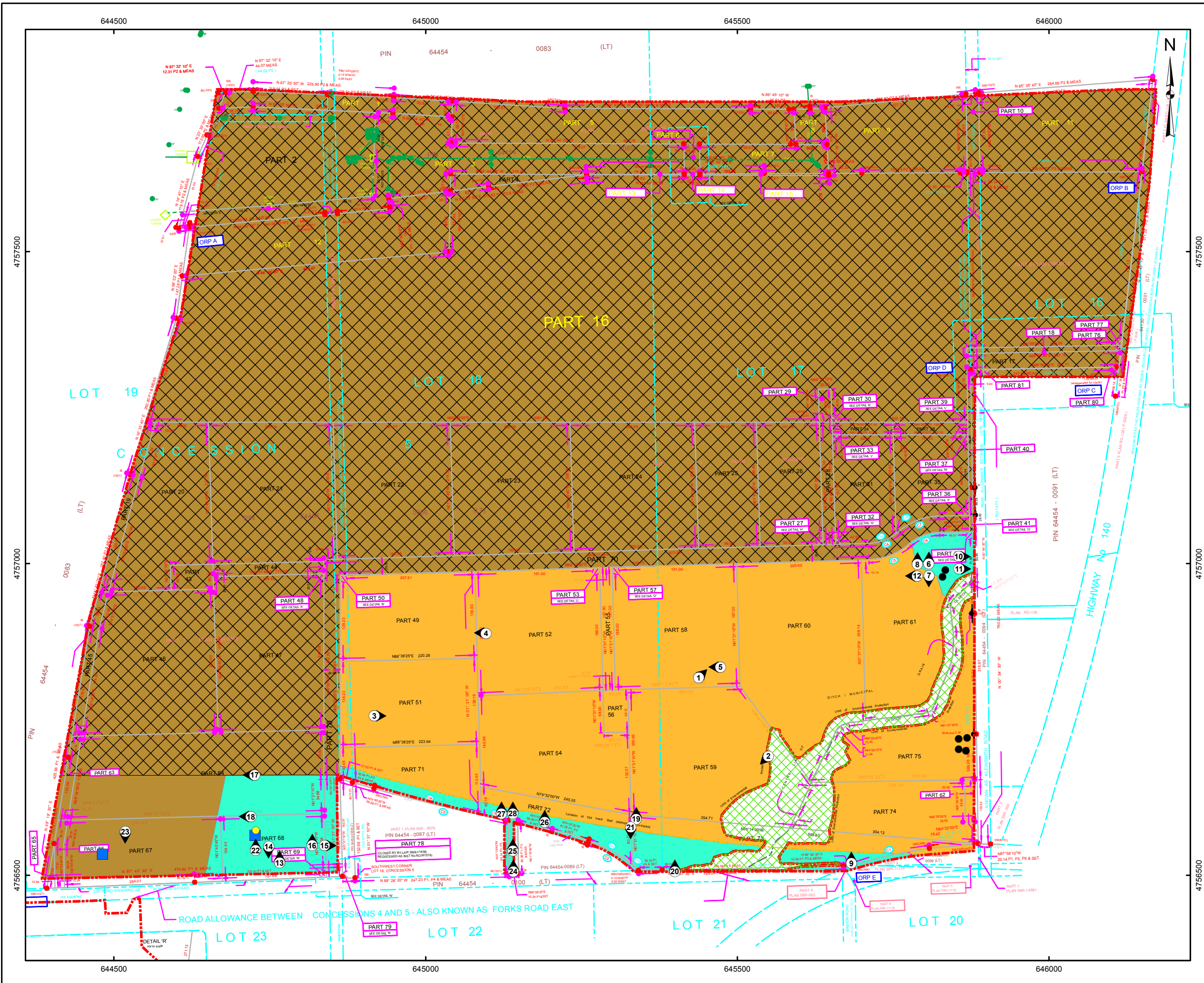


PROJECT			
NYON ENERGY PARK			
TITLE			
A PORTION OF THE 1876 HISTORICAL ATLAS			
PROJECT NO. 11-1154-0075		SCALE AS SHOWN	REV. 0.0
DESIGN	JMC	30 Jul. 2014	MAP 4
GIS	JMC	11 June. 2015	
CHECK	SM	11 June. 2015	
REVIEW	SM	11 June. 2015	



Mississauga, Ontario

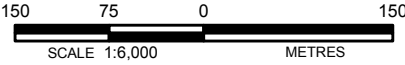
G:\Projects\2011\11-1154-0075_Archaeology\GISMXDs\Reporting\Archaeology\Stage2\Map5_SurveyMethods.mxd



- LEGEND**
- ① Photo Location and Photo Number
 - Disturbed Test Pit (Eastern Historic Structure)
 - Landmark
 - Estimated Location of House Structure as Seen on 1876 Map
 - ▬ Property Boundary
 - ▬ Environmental Protection Zone
 - Pedestrian Survey Assessed at 5m Intervals
 - Soil Fill Tailings, Not Assessed
 - Test Pit Survey Assessed at 5m Intervals
 - ▬ Area of No Further Archaeological Concern (Golder 2012), Not Assessed

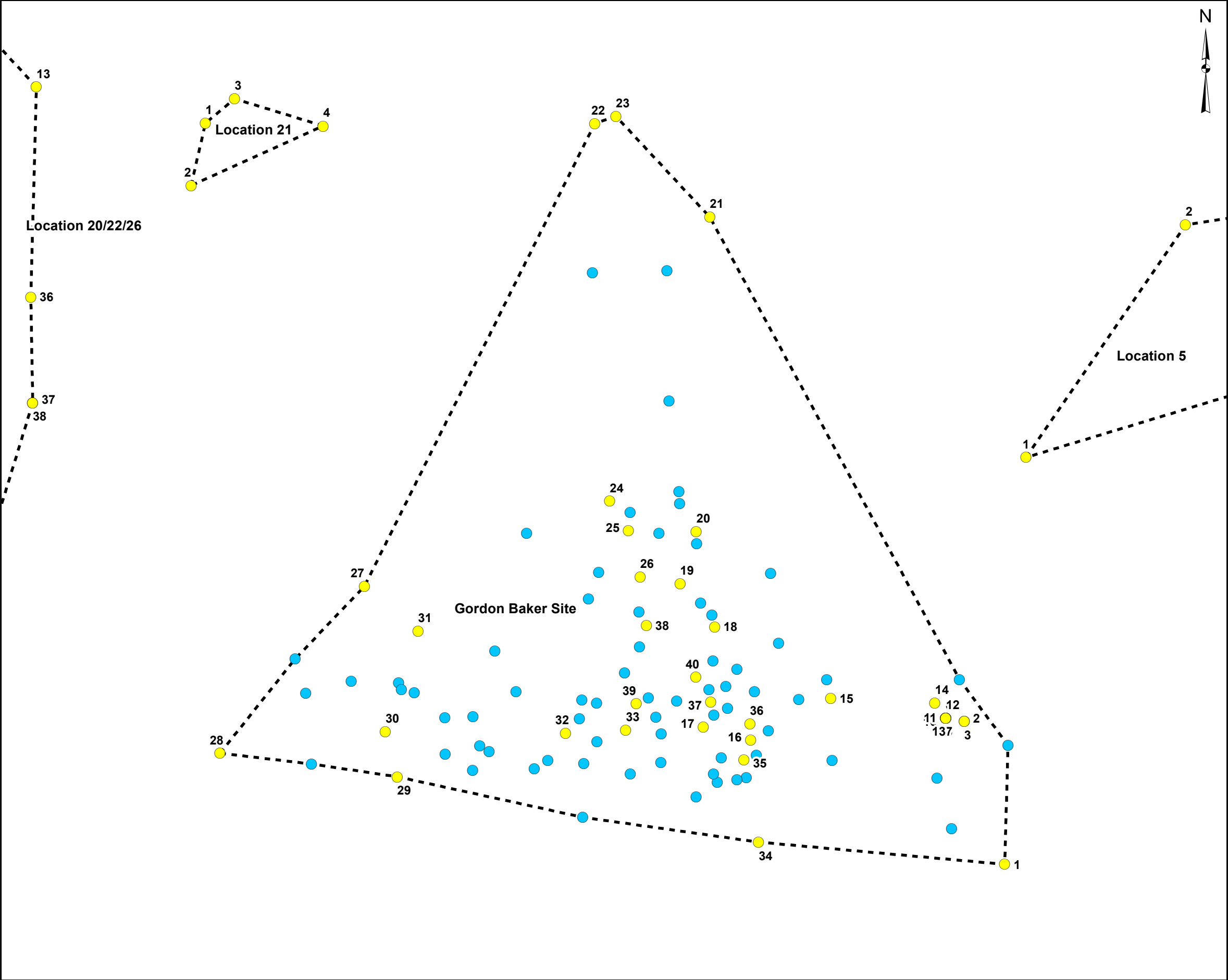
REFERENCE

Base Data - MNR LIO, obtained 2013
Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg
Produced by Golder Associates Ltd under licence from
Ontario Ministry of Natural Resources, © Queens Printer 2013
Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N



PROJECT		NYON ENERGY PARK	
TITLE		SURVEY METHODS AND PHOTO LOCATIONS	
 Golder Associates Mississauga, Ontario	PROJECT NO. 11-1154-0075		SCALE AS SHOWN
	DESIGN	JMC	30 JUL 2014
	GIS	JMC	23 JAN 2015
	CHECK	SM	23 JAN 2015
	REVIEW	SM	23 JAN 2015
		MAP 5	

G:\Projects\2011\11-1154-0075_Archaeology\GIS\MXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd

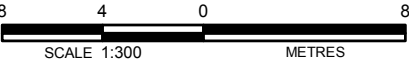


LEGEND

- Collected Artifacts
- Non-Collected Artifacts
- Disturbed Test Pit (Eastern Historic Structure)
- Landmark
- Scatter Area
- Property Boundary

REFERENCE

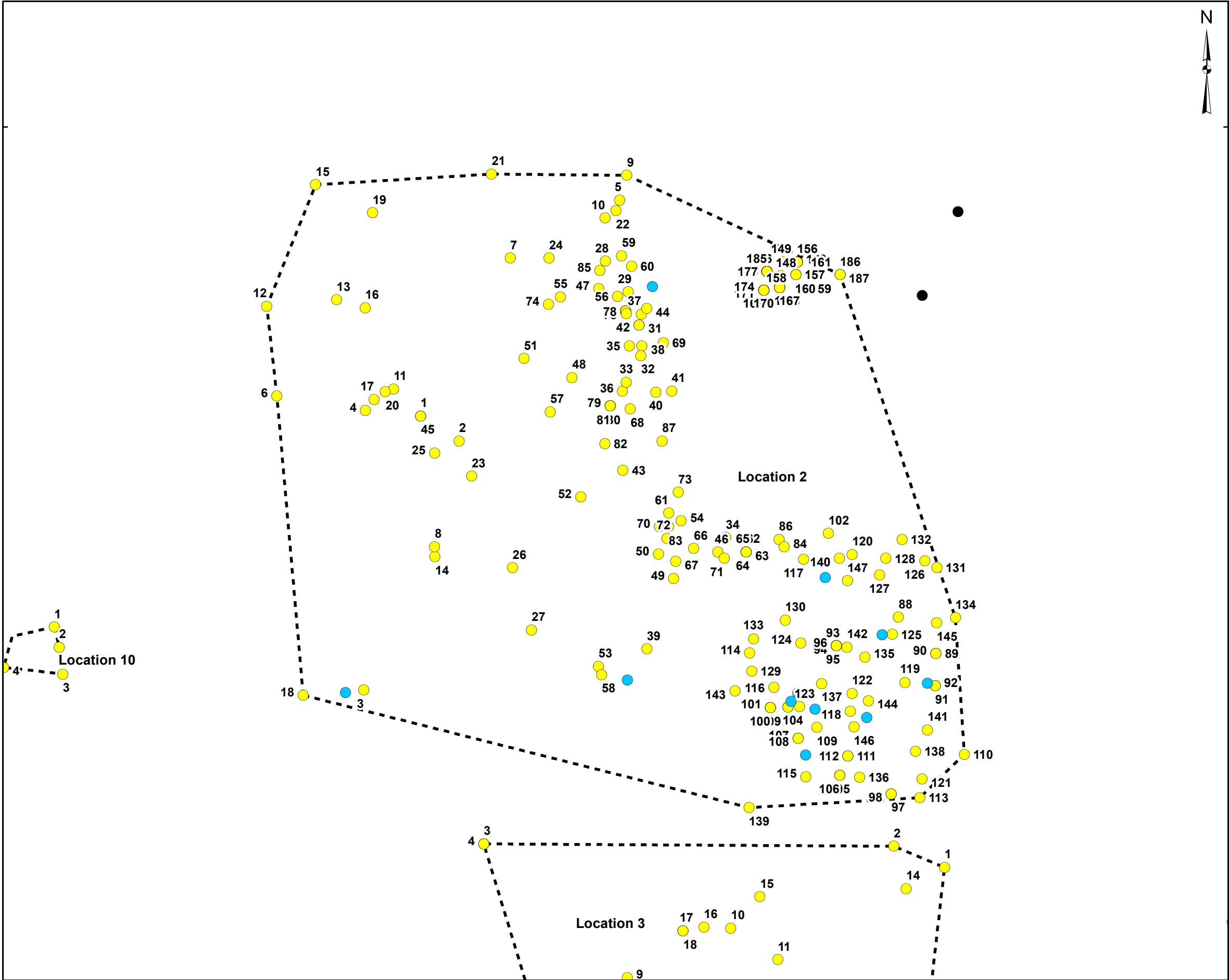
Base Data - MNR LIO, obtained 2013
Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg
Produced by Golder Associates Ltd under licence from
Ontario Ministry of Natural Resources, © Queens Printer 2013
Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N



PROJECT			
NYON ENERGY PARK			
TITLE			
STAGE 2			
ARCHAEOLOGICAL PROPERTY ASSESSMENT:			
NYON ENERGY PARK GORDON BAKER SITE			
PROJECT NO. 11-1154-0075		SCALE AS SHOWN	REV. 0.0
DESIGN	JMC	30 Jul. 2014	MAP 6
GIS	JMC	21 Nov. 2014	
CHECK	SM	21 Nov. 2014	
REVIEW	SM	21 Nov. 2014	

Golder Associates
Mississauga, Ontario

G:\Projects\2011\11-1154-0075_Archaeology\GIS\MXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd

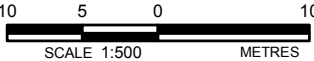


LEGEND

- Collected Artifacts
- Non-Collected Artifacts
- Disturbed Test Pit (Eastern Historic Structure)
- Landmark
- Scatter Area
- Property Boundary

REFERENCE

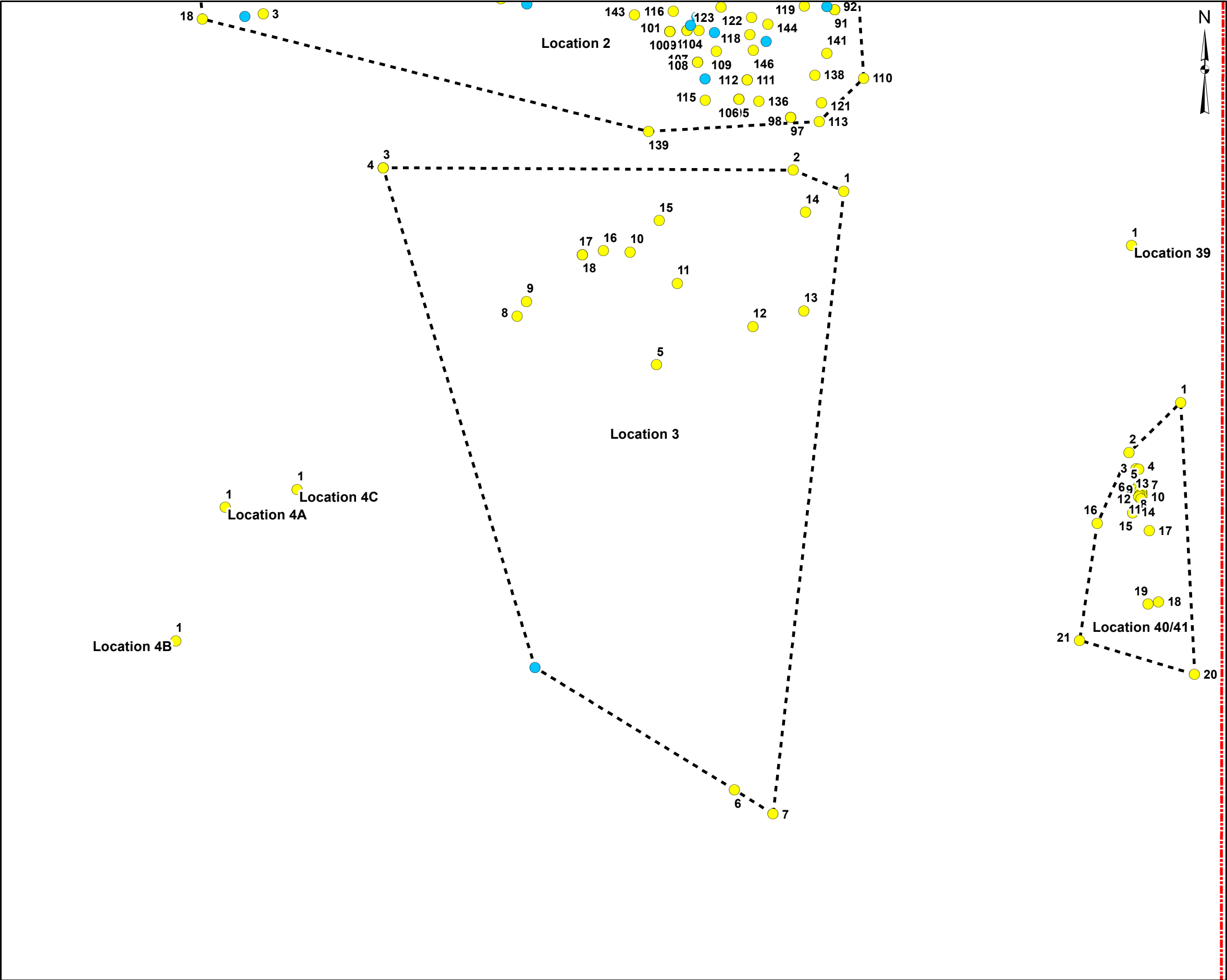
Base Data - MNR LIO, obtained 2013
Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg
Produced by Golder Associates Ltd under licence from
Ontario Ministry of Natural Resources, © Queens Printer 2013
Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N



PROJECT			
NYON ENERGY PARK			
TITLE			
STAGE 2 ARCHAEOLOGICAL PROPERTY ASSESSMENT: NYON ENERGY PARK LOCATION 2			
PROJECT NO. 11-1154-0075		SCALE AS SHOWN	REV. 0.0
DESIGN	JMC	30 Jul. 2014	MAP 7
GIS	JMC	21 Nov. 2014	
CHECK	SM	21 Nov. 2014	
REVIEW	SM	21 Nov. 2014	

Golder Associates
Mississauga, Ontario

G:\Projects\2011\11-1154-0075_Archaeology\GIS\MXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd

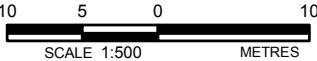


LEGEND

- Collected Artifacts
- Non-Collected Artifacts
- Disturbed Test Pit (Eastern Historic Structure)
- Landmark
- Scatter Area
- Property Boundary

REFERENCE

Base Data - MNR LIO, obtained 2013
Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg
Produced by Golder Associates Ltd under licence from
Ontario Ministry of Natural Resources, © Queens Printer 2013
Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N



PROJECT			
NYON ENERGY PARK			
TITLE			
STAGE 2			
ARCHAEOLOGICAL PROPERTY ASSESSMENT:			
NYON ENERGY PARK LOCATION 3			
 Mississauga, Ontario	PROJECT NO. 11-1154-0075		SCALE AS SHOWN
	DESIGN	JMC	30 Jul. 2014
	GIS	JMC	21 Nov. 2014
	CHECK	SM	21 Nov. 2014
	REVIEW	SM	21 Nov. 2014
			MAP 8

G:\Projects\2011\11-1154-0075_Archaeology\GIS\MXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd



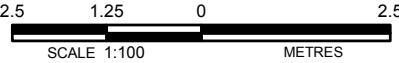
- LEGEND**
- Collected Artifacts
 - Non-Collected Artifacts
 - Disturbed Test Pit (Eastern Historic Structure)
 - Landmark
 - ▣ Scatter Area
 - ▣ Property Boundary

Location 4A
1

Location 4C
1

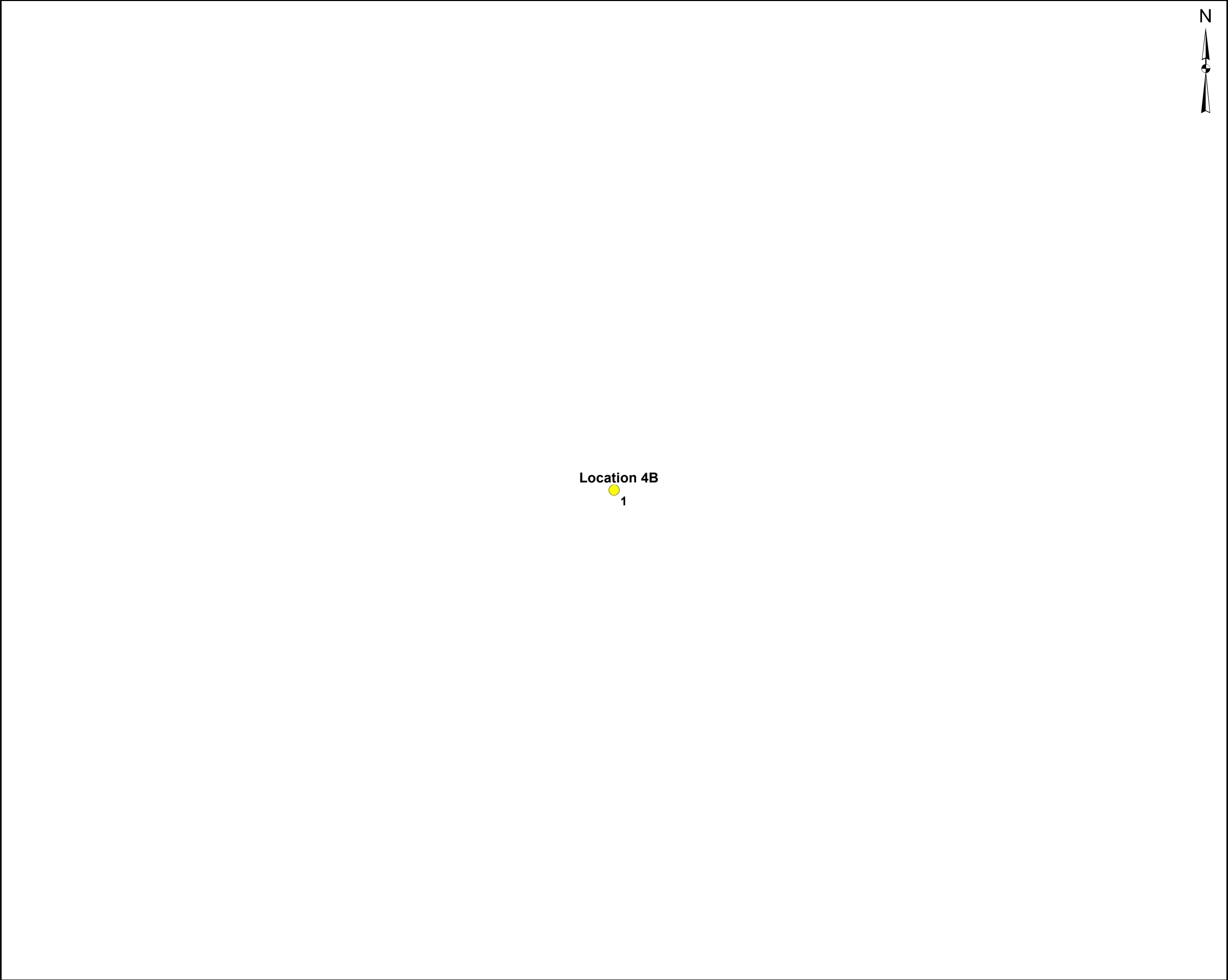
REFERENCE

Base Data - MNR LIO, obtained 2013
Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg
Produced by Golder Associates Ltd under licence from
Ontario Ministry of Natural Resources, © Queens Printer 2013
Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N



PROJECT			
NYON ENERGY PARK			
TITLE			
STAGE 2			
ARCHAEOLOGICAL PROPERTY ASSESSMENT:			
NYON ENERGY PARK LOCATION 4A			
 Mississauga, Ontario	PROJECT NO. 11-1154-0075		SCALE AS SHOWN
	DESIGN	JMC	30 Jul. 2014
	GIS	JMC	21 Nov. 2014
	CHECK	SM	21 Nov. 2014
	REVIEW	SM	21 Nov. 2014
MAP 9			

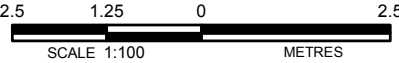
G:\Projects\2011\11-1154-0075_Archaeology\GIS\MXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd



- LEGEND**
- Collected Artifacts
 - Non-Collected Artifacts
 - Disturbed Test Pit (Eastern Historic Structure)
 - Landmark
 - ▣ Scatter Area
 - ▣ Property Boundary

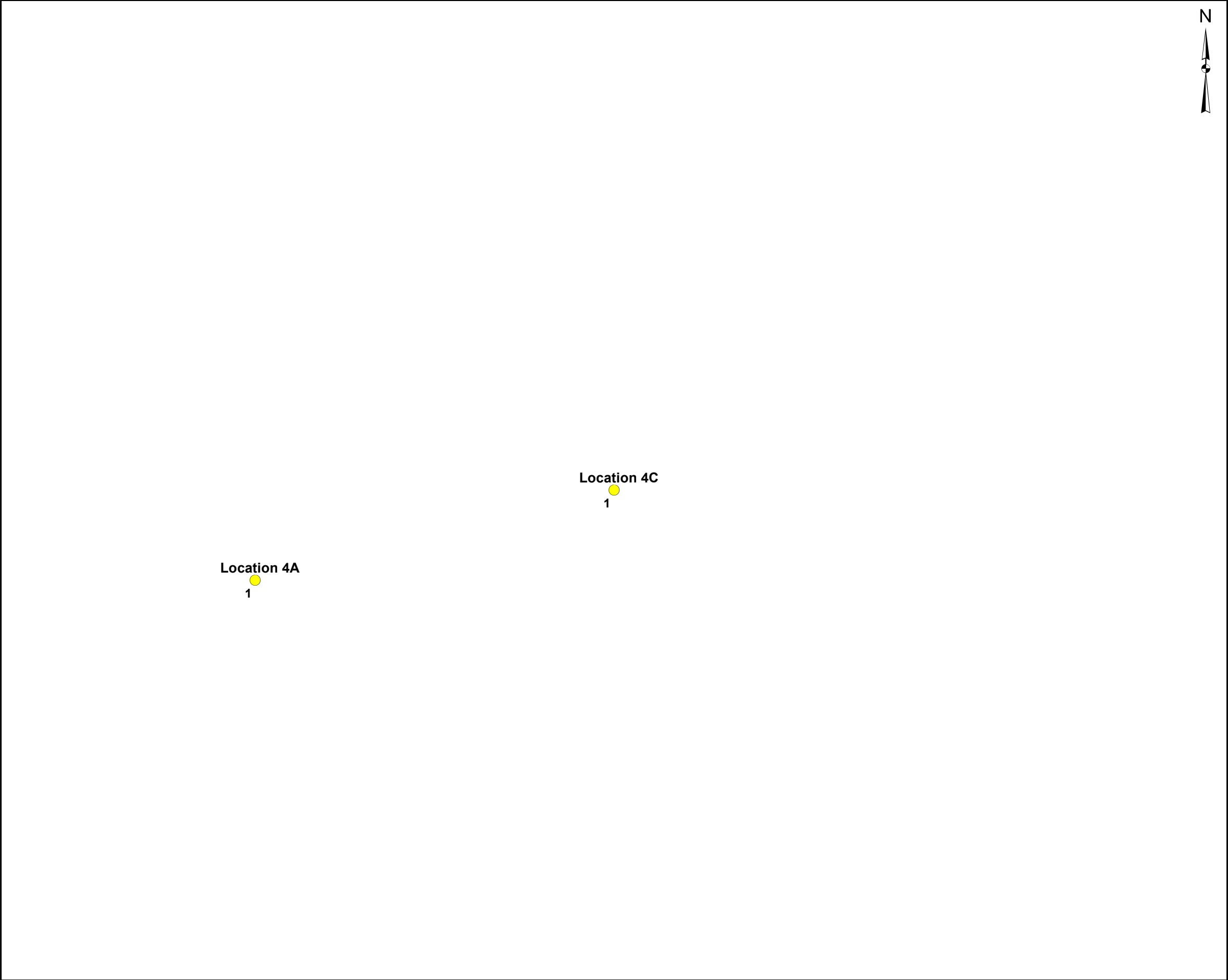
REFERENCE

Base Data - MNR LIO, obtained 2013
Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg
Produced by Golder Associates Ltd under licence from
Ontario Ministry of Natural Resources, © Queens Printer 2013
Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N



PROJECT			
NYON ENERGY PARK			
TITLE			
STAGE 2			
ARCHAEOLOGICAL PROPERTY ASSESSMENT:			
NYON ENERGY PARK LOCATION 4B			
 Mississauga, Ontario	PROJECT NO. 11-1154-0075		SCALE AS SHOWN
	DESIGN	JMC	30 Jul. 2014
	GIS	JMC	21 Nov. 2014
	CHECK	SM	21 Nov. 2014
	REVIEW	SM	21 Nov. 2014
MAP 10			

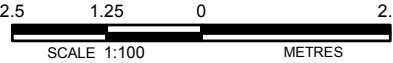
G:\Projects\2011\11-1154-0075_Archaeology\GIS\MXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd



- LEGEND**
- Collected Artifacts
 - Non-Collected Artifacts
 - Disturbed Test Pit (Eastern Historic Structure)
 - Landmark
 - ▣ Scatter Area
 - ▣ Property Boundary

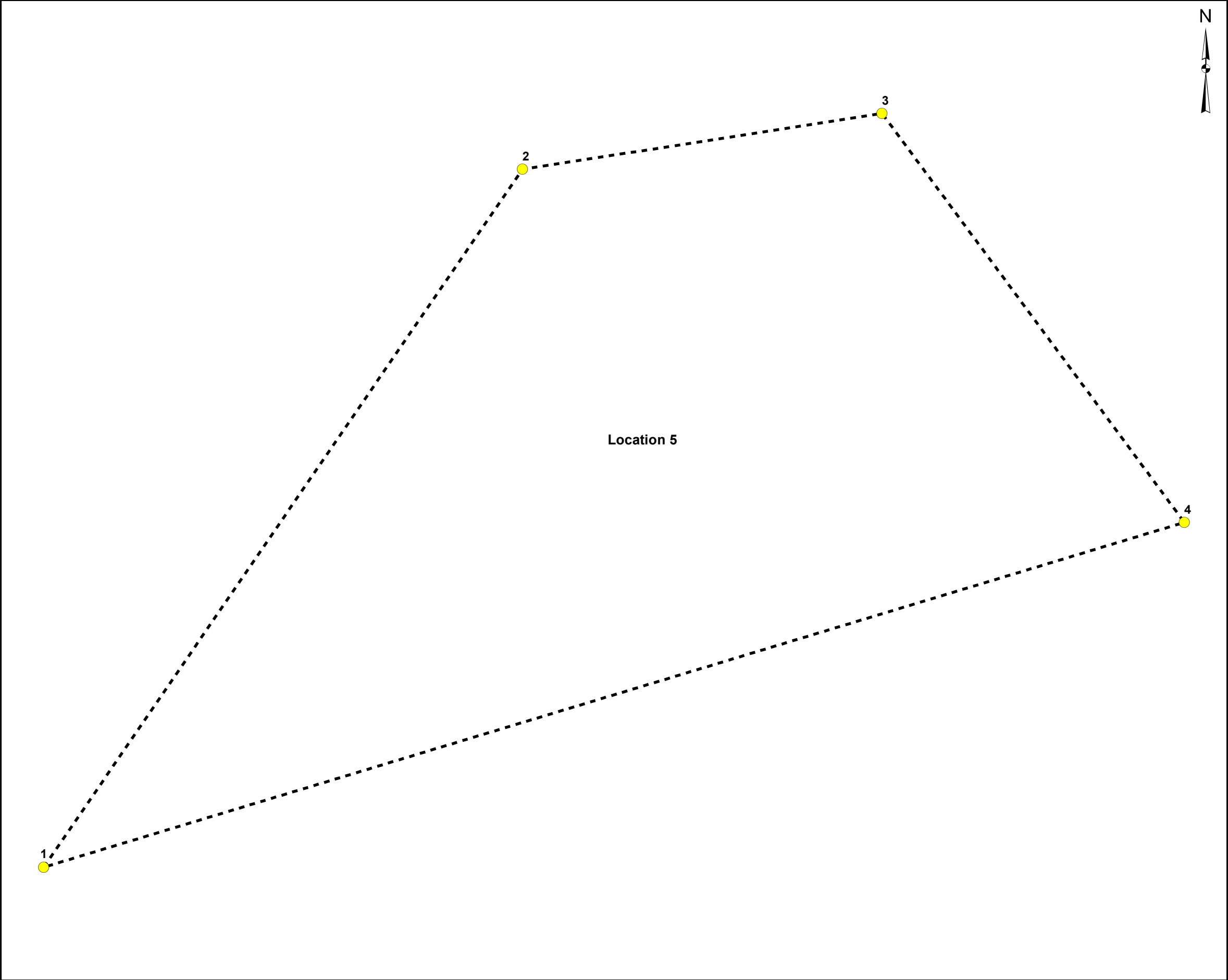
REFERENCE

Base Data - MNR LIO, obtained 2013
Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg
Produced by Golder Associates Ltd under licence from
Ontario Ministry of Natural Resources, © Queens Printer 2013
Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N



PROJECT			
NYON ENERGY PARK			
TITLE			
STAGE 2			
ARCHAEOLOGICAL PROPERTY ASSESSMENT:			
NYON ENERGY PARK LOCATION 4C			
 Mississauga, Ontario	PROJECT NO. 11-1154-0075		SCALE AS SHOWN
	DESIGN	JMC	30 Jul. 2014
	GIS	JMC	21 Nov. 2014
	CHECK	SM	21 Nov. 2014
	REVIEW	SM	21 Nov. 2014
MAP 11			

G:\Projects\2011\11-1154-0075_Archaeology\GIS\MXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd

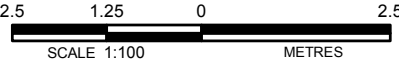


LEGEND

- Collected Artifacts
- Non-Collected Artifacts
- Disturbed Test Pit (Eastern Historic Structure)
- Landmark
- Scatter Area
- Property Boundary

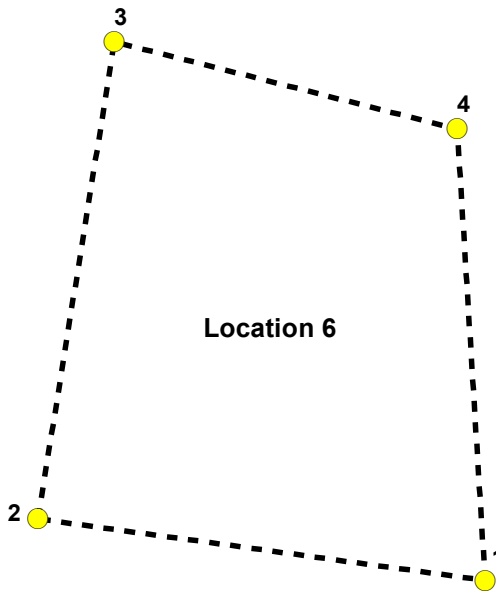
REFERENCE

Base Data - MNR LIO, obtained 2013
Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg
Produced by Golder Associates Ltd under licence from
Ontario Ministry of Natural Resources, © Queens Printer 2013
Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N



PROJECT		NYON ENERGY PARK			
TITLE		STAGE 2 ARCHAEOLOGICAL PROPERTY ASSESSMENT: NYON ENERGY PARK LOCATION 5			
 Mississauga, Ontario	PROJECT NO. 11-1154-0075		SCALE AS SHOWN		REV. 0.0
	DESIGN	JMC	30 Jul. 2014	MAP 12	
	GIS	JMC	21 Nov. 2014		
	CHECK	SM	21 Nov. 2014		
	REVIEW	SM	21 Nov. 2014		

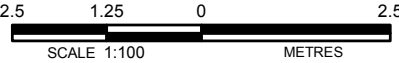
G:\Projects\2011\11-1154-0075_Archaeology\GIS\MXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd



- LEGEND**
- Collected Artifacts
 - Non-Collected Artifacts
 - Disturbed Test Pit (Eastern Historic Structure)
 - Landmark
 - ▤ Scatter Area
 - ▭ Property Boundary

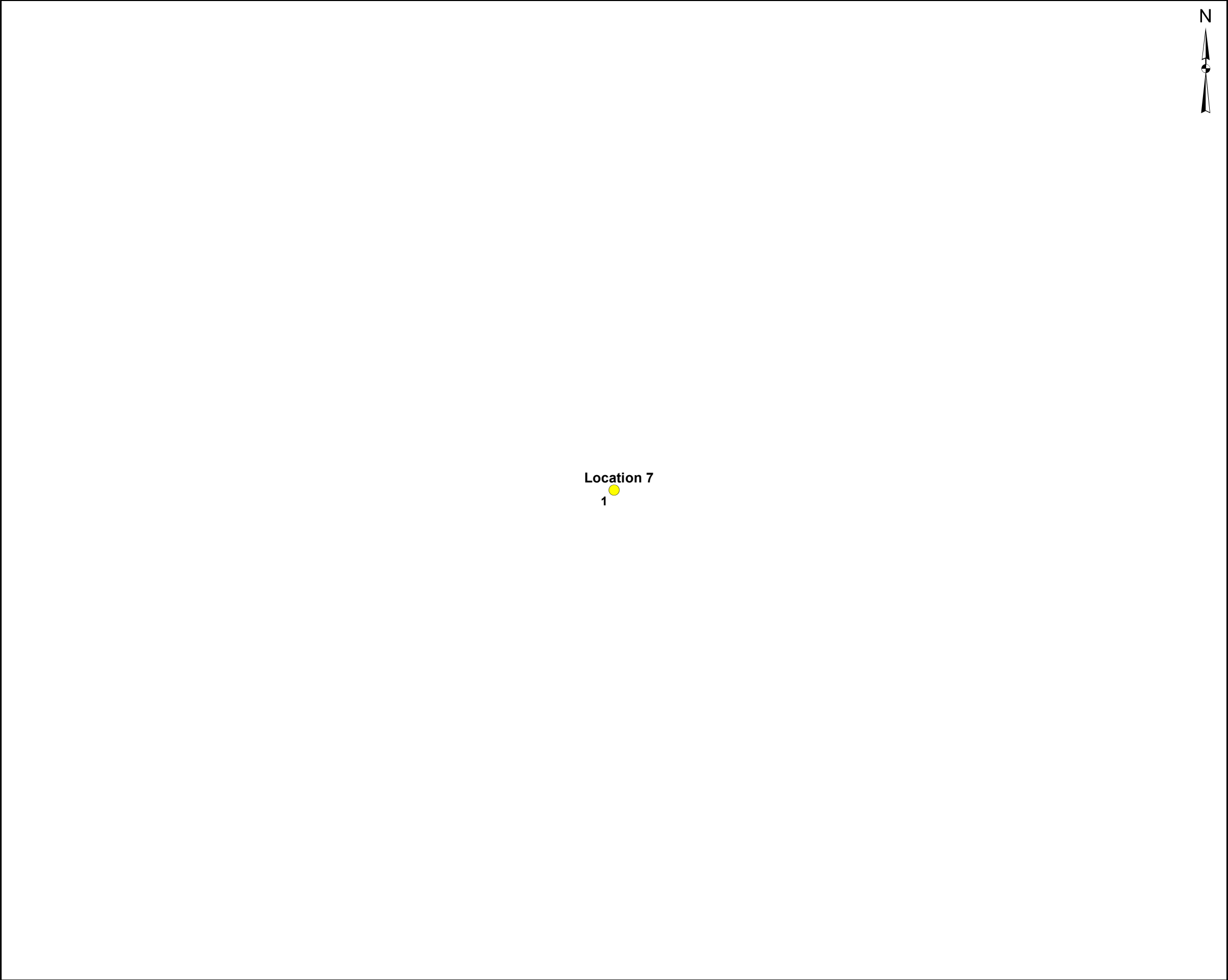
REFERENCE

Base Data - MNR LIO, obtained 2013
Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg
Produced by Golder Associates Ltd under licence from
Ontario Ministry of Natural Resources, © Queens Printer 2013
Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N



PROJECT				NYON ENERGY PARK			
TITLE				STAGE 2 ARCHAEOLOGICAL PROPERTY ASSESSMENT: NYON ENERGY PARK LOCATION 6			
 Mississauga, Ontario				PROJECT NO. 11-1154-0075		SCALE AS SHOWN	REV. 0.0
				DESIGN	JMC	30 Jul. 2014	MAP 13
				GIS	JMC	21 Nov. 2014	
				CHECK	SM	21 Nov. 2014	
				REVIEW	SM	21 Nov. 2014	

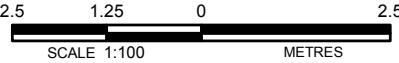
G:\Projects\2011\11-1154-0075_Archaeology\GIS\MXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd



- LEGEND**
- Collected Artifacts
 - Non-Collected Artifacts
 - Disturbed Test Pit (Eastern Historic Structure)
 - Landmark
 - ▣ Scatter Area
 - ▣ Property Boundary

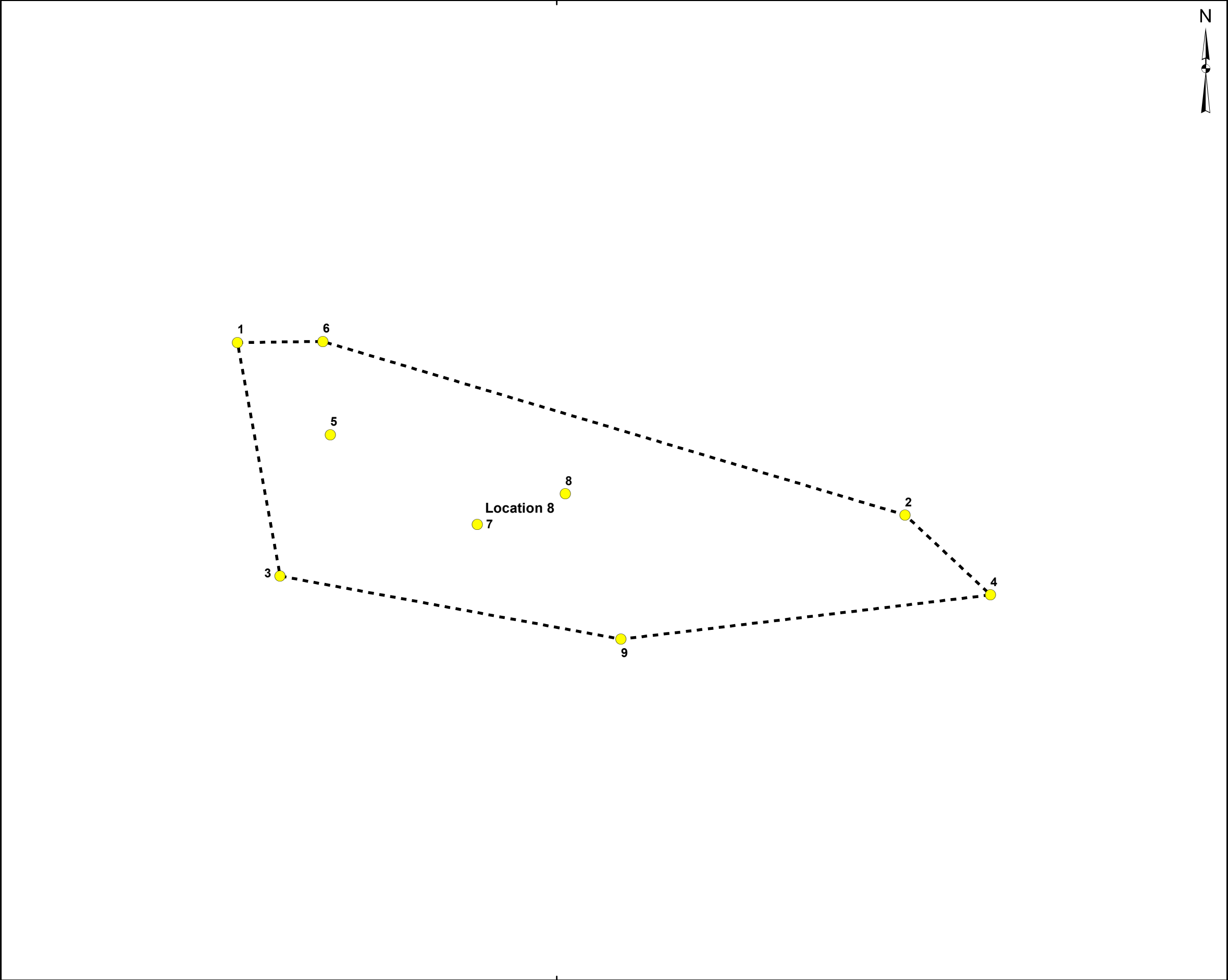
REFERENCE

Base Data - MNR LIO, obtained 2013
Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg
Produced by Golder Associates Ltd under licence from
Ontario Ministry of Natural Resources, © Queens Printer 2013
Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N



PROJECT				NYON ENERGY PARK			
TITLE				STAGE 2 ARCHAEOLOGICAL PROPERTY ASSESSMENT: NYON ENERGY PARK LOCATION 7			
 Mississauga, Ontario				PROJECT NO. 11-1154-0075		SCALE AS SHOWN	REV. 0.0
				DESIGN	JMC	30 Jul. 2014	MAP 14
				GIS	JMC	21 Nov. 2014	
				CHECK	SM	21 Nov. 2014	
				REVIEW	SM	21 Nov. 2014	

G:\Projects\2011\11-1154-0075_Archaeology\GIS\MXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd



LEGEND

Collected Artifacts

Non-Collected Artifacts

Disturbed Test Pit (Eastern Historic Structure)

Landmark

Scatter Area

Property Boundary

REFERENCE

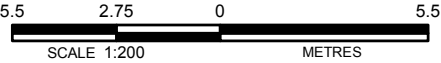
Base Data - MNR LIO, obtained 2013

Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg

Produced by Golder Associates Ltd under licence from

Ontario Ministry of Natural Resources, © Queens Printer 2013

Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N



PROJECT

NYON ENERGY PARK

TITLE

STAGE 2
ARCHAEOLOGICAL PROPERTY ASSESSMENT:
NYON ENERGY PARK LOCATION 8



Golder Associates

Mississauga, Ontario

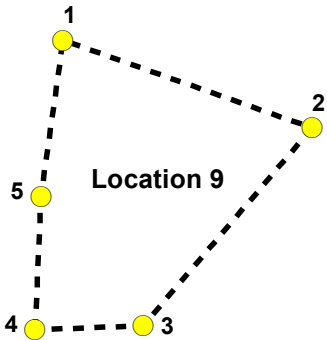
PROJECT NO. 11-1154-0075			SCALE AS SHOWN	REV. 0.0
DESIGN	JMC	30 Jul. 2014		
GIS	JMC	21 Nov. 2014		
CHECK	SM	21 Nov. 2014		
REVIEW	SM	21 Nov. 2014		

MAP 15

G:\Projects\2011\11-1154-0075_Archaeology\GIS\MXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd

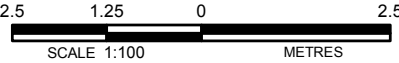


- LEGEND**
- Collected Artifacts
 - Non-Collected Artifacts
 - Disturbed Test Pit (Eastern Historic Structure)
 - Landmark
 - ▤ Scatter Area
 - ▤ Property Boundary



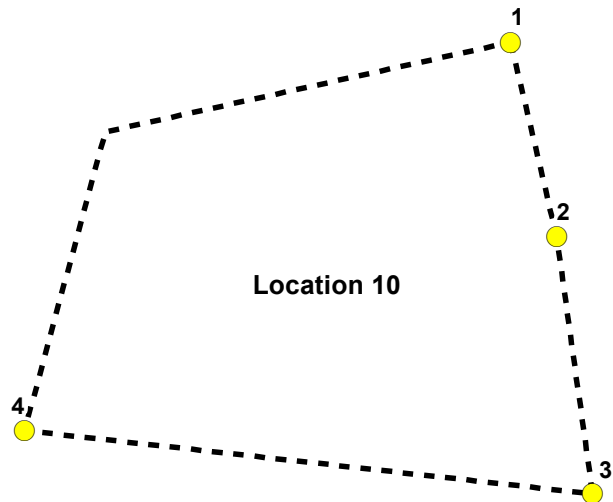
REFERENCE

Base Data - MNR LIO, obtained 2013
Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg
Produced by Golder Associates Ltd under licence from
Ontario Ministry of Natural Resources, © Queens Printer 2013
Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N



PROJECT		NYON ENERGY PARK			
TITLE		STAGE 2 ARCHAEOLOGICAL PROPERTY ASSESSMENT: NYON ENERGY PARK LOCATION 9			
 Mississauga, Ontario	PROJECT NO. 11-1154-0075		SCALE AS SHOWN		REV. 0.0
	DESIGN	JMC	30 Jul. 2014	MAP 16	
	GIS	JMC	21 Nov. 2014		
	CHECK	SM	21 Nov. 2014		
	REVIEW	SM	21 Nov. 2014		

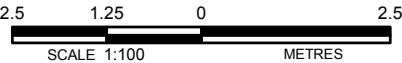
G:\Projects\2011\11-1154-0075_Archaeology\GIS\MXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd



- LEGEND**
- Collected Artifacts
 - Non-Collected Artifacts
 - Disturbed Test Pit (Eastern Historic Structure)
 - Landmark
 - ▤ Scatter Area
 - ▤ Property Boundary

REFERENCE

Base Data - MNR LIO, obtained 2013
Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg
Produced by Golder Associates Ltd under licence from
Ontario Ministry of Natural Resources, © Queens Printer 2013
Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N



PROJECT		NYON ENERGY PARK			
TITLE		STAGE 2 ARCHAEOLOGICAL PROPERTY ASSESSMENT: NYON ENERGY PARK LOCATION 10			
 Mississauga, Ontario	PROJECT NO. 11-1154-0075		SCALE AS SHOWN		REV. 0.0
	DESIGN	JMC	30 Jul. 2014	MAP 17	
	GIS	JMC	21 Nov. 2014		
	CHECK	SM	21 Nov. 2014		
	REVIEW	SM	21 Nov. 2014		

G:\Projects\2011\11-1154-0075_Archaeology\GIS\MXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd

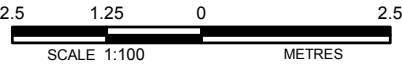


1
Location 11

- LEGEND**
- Collected Artifacts
 - Non-Collected Artifacts
 - Disturbed Test Pit (Eastern Historic Structure)
 - Landmark
 - ▣ Scatter Area
 - ▣ Property Boundary

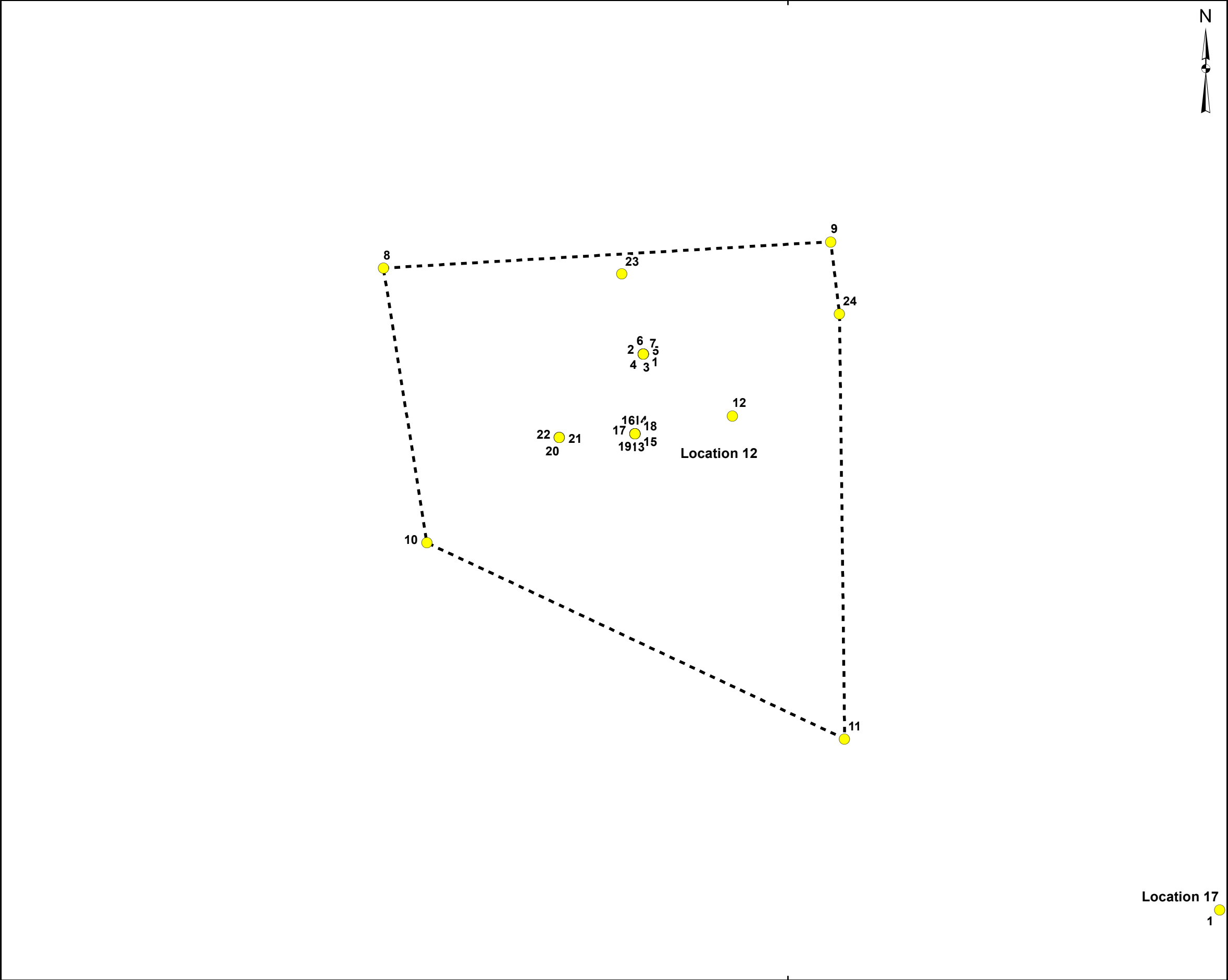
REFERENCE

Base Data - MNR LIO, obtained 2013
Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg
Produced by Golder Associates Ltd under licence from
Ontario Ministry of Natural Resources, © Queens Printer 2013
Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N



PROJECT		NYON ENERGY PARK			
TITLE		STAGE 2 ARCHAEOLOGICAL PROPERTY ASSESSMENT: NYON ENERGY PARK LOCATION 11			
 Mississauga, Ontario	PROJECT NO. 11-1154-0075		SCALE AS SHOWN		REV. 0.0
	DESIGN	JMC	30 Jul. 2014	MAP 18	
	GIS	JMC	21 Nov. 2014		
	CHECK	SM	21 Nov. 2014		
	REVIEW	SM	21 Nov. 2014		

G:\Projects\2011\11-1154-0075_Archaeology\GIS\MXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd



LEGEND

Collected Artifacts

Non-Collected Artifacts

Disturbed Test Pit (Eastern Historic Structure)

Landmark

Scatter Area

Property Boundary

REFERENCE

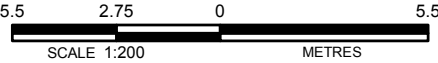
Base Data - MNR LIO, obtained 2013

Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg

Produced by Golder Associates Ltd under licence from

Ontario Ministry of Natural Resources, © Queens Printer 2013

Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N



PROJECT

NYON ENERGY PARK

TITLE

STAGE 2
ARCHAEOLOGICAL PROPERTY ASSESSMENT:
NYON ENERGY PARK LOCATION 12

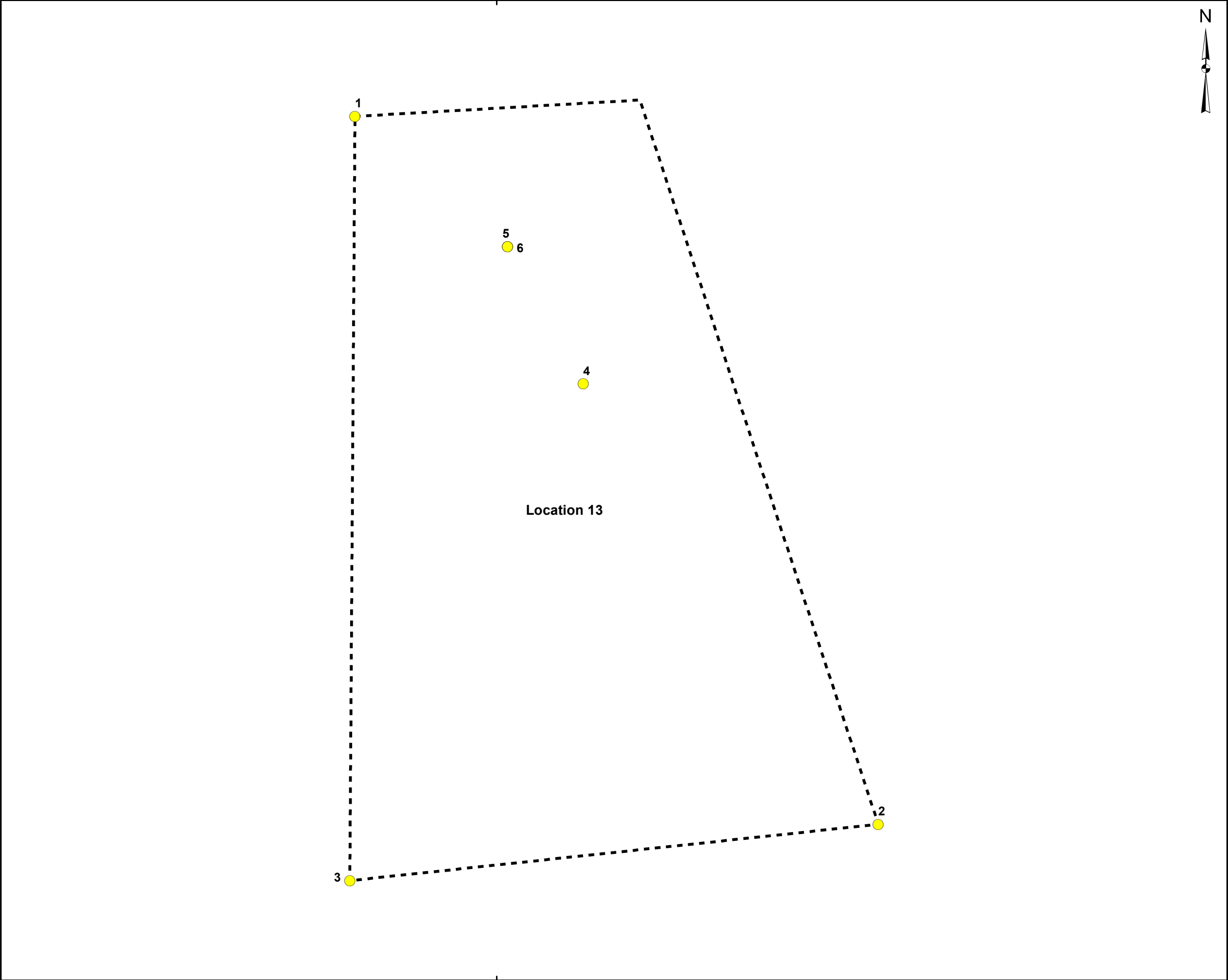
Golder Associates

Mississauga, Ontario

PROJECT NO. 11-1154-0075			SCALE AS SHOWN	REV. 0.0
DESIGN	JMC	30 Jul. 2014		
GIS	JMC	21 Nov. 2014		
CHECK	SM	21 Nov. 2014		
REVIEW	SM	21 Nov. 2014		

MAP 19

G:\Projects\2011\11-1154-0075_Archaeology\GIS\MXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd

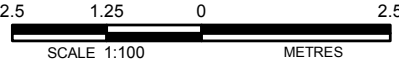


LEGEND

- Collected Artifacts
- Non-Collected Artifacts
- Disturbed Test Pit (Eastern Historic Structure)
- Landmark
- Scatter Area
- Property Boundary

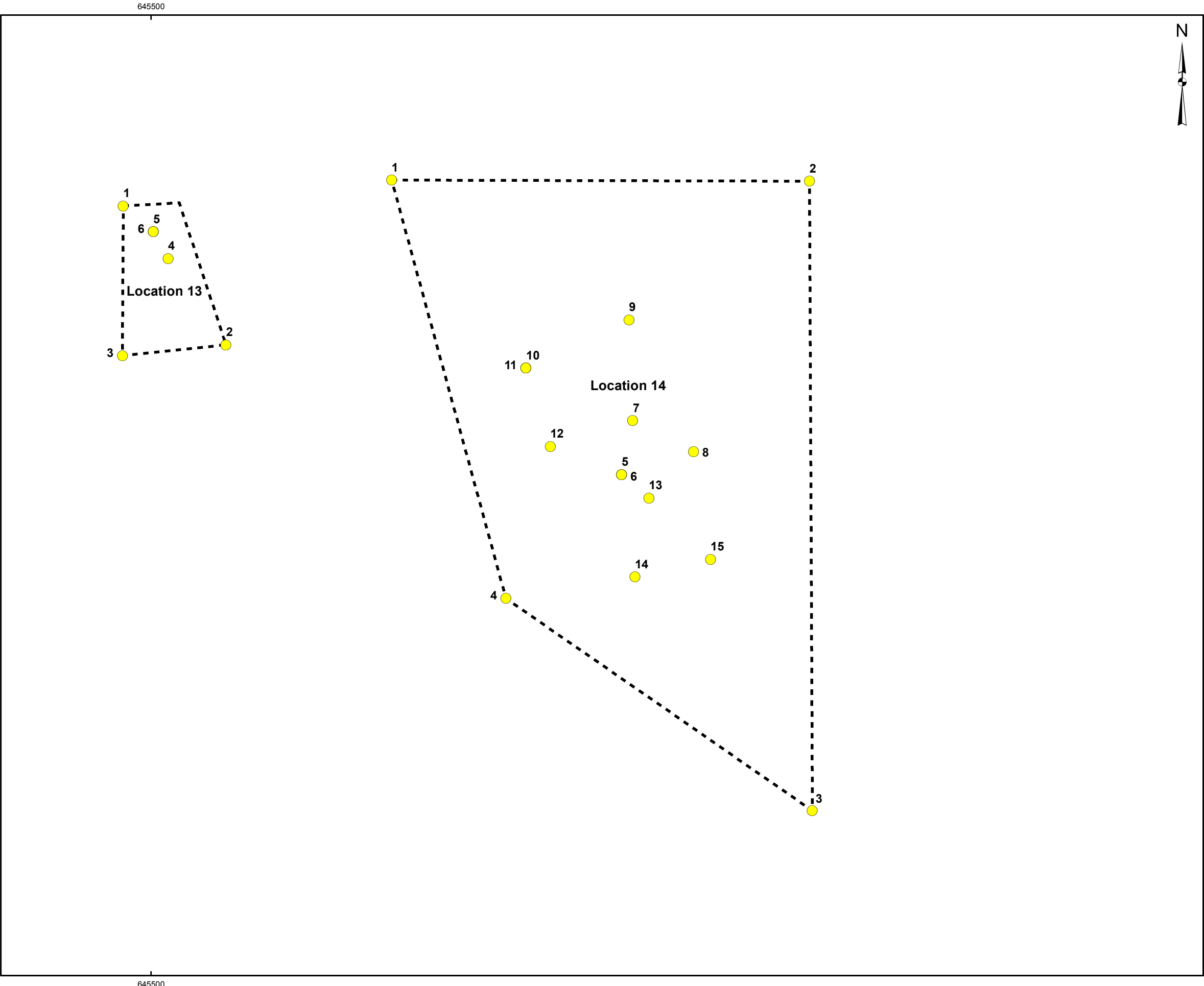
REFERENCE

Base Data - MNR LIO, obtained 2013
Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg
Produced by Golder Associates Ltd under licence from
Ontario Ministry of Natural Resources, © Queens Printer 2013
Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N



PROJECT		NYON ENERGY PARK			
TITLE		STAGE 2 ARCHAEOLOGICAL PROPERTY ASSESSMENT: NYON ENERGY PARK LOCATION 13			
 Mississauga, Ontario	PROJECT NO. 11-1154-0075		SCALE AS SHOWN		REV. 0.0
	DESIGN	JMC	30 Jul. 2014	MAP 20	
	GIS	JMC	21 Nov. 2014		
	CHECK	SM	21 Nov. 2014		
	REVIEW	SM	21 Nov. 2014		

G:\Projects\2011\11-1154-0075_Archaeology\GIS\MXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd

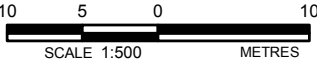


LEGEND

- Collected Artifacts
- Non-Collected Artifacts
- Disturbed Test Pit (Eastern Historic Structure)
- Landmark
- Scatter Area
- Property Boundary

REFERENCE

Base Data - MNR LIO, obtained 2013
Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg
Produced by Golder Associates Ltd under licence from
Ontario Ministry of Natural Resources, © Queens Printer 2013
Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N



PROJECT			
NYON ENERGY PARK			
TITLE			
STAGE 2			
ARCHAEOLOGICAL PROPERTY ASSESSMENT:			
NYON ENERGY PARK LOCATION 14			
 Mississauga, Ontario	PROJECT NO. 11-1154-0075		SCALE AS SHOWN
	DESIGN	JMC	30 Jul. 2014
	GIS	JMC	21 Nov. 2014
	CHECK	SM	21 Nov. 2014
	REVIEW	SM	21 Nov. 2014
MAP 21			

G:\Projects\2011\11-1154-0075_Archaeology\GIS\MXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd



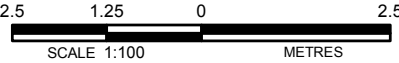
- LEGEND**
- Collected Artifacts
 - Non-Collected Artifacts
 - Disturbed Test Pit (Eastern Historic Structure)
 - Landmark
 - ▣ Scatter Area
 - ▣ Property Boundary

1

Location 15

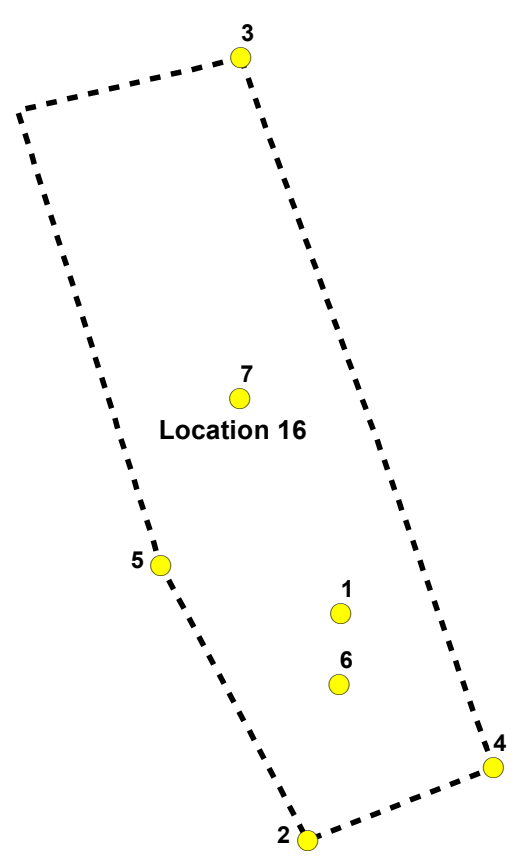
REFERENCE

Base Data - MNR LIO, obtained 2013
Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg
Produced by Golder Associates Ltd under licence from
Ontario Ministry of Natural Resources, © Queens Printer 2013
Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N



PROJECT		NYON ENERGY PARK			
TITLE		STAGE 2 ARCHAEOLOGICAL PROPERTY ASSESSMENT: NYON ENERGY PARK LOCATION 15			
 Mississauga, Ontario	PROJECT NO. 11-1154-0075		SCALE AS SHOWN		REV. 0.0
	DESIGN	JMC	30 Jul. 2014	MAP 22	
	GIS	JMC	21 Nov. 2014		
	CHECK	SM	21 Nov. 2014		
	REVIEW	SM	21 Nov. 2014		

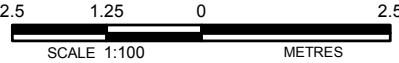
G:\Projects\2011\11-1154-0075_Archaeology\GIS\MXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd



- LEGEND**
- Collected Artifacts
 - Non-Collected Artifacts
 - Disturbed Test Pit (Eastern Historic Structure)
 - Landmark
 - ▬ Scatter Area
 - ▬ Property Boundary

REFERENCE

Base Data - MNR LIO, obtained 2013
Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg
Produced by Golder Associates Ltd under licence from
Ontario Ministry of Natural Resources, © Queens Printer 2013
Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N



PROJECT		NYON ENERGY PARK			
TITLE		STAGE 2 ARCHAEOLOGICAL PROPERTY ASSESSMENT: NYON ENERGY PARK LOCATION 16			
 Mississauga, Ontario	PROJECT NO. 11-1154-0075		SCALE AS SHOWN		REV. 0.0
	DESIGN	JMC	30 Jul. 2014	MAP 23	
	GIS	JMC	21 Nov. 2014		
	CHECK	SM	21 Nov. 2014		
	REVIEW	SM	21 Nov. 2014		

G:\Projects\2011\11-1154-0075_Archaeology\GIS\MXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd



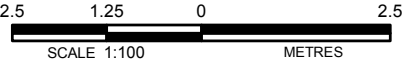
Location 17
1

LEGEND

- Collected Artifacts
- Non-Collected Artifacts
- Disturbed Test Pit (Eastern Historic Structure)
- Landmark
- Scatter Area
- Property Boundary

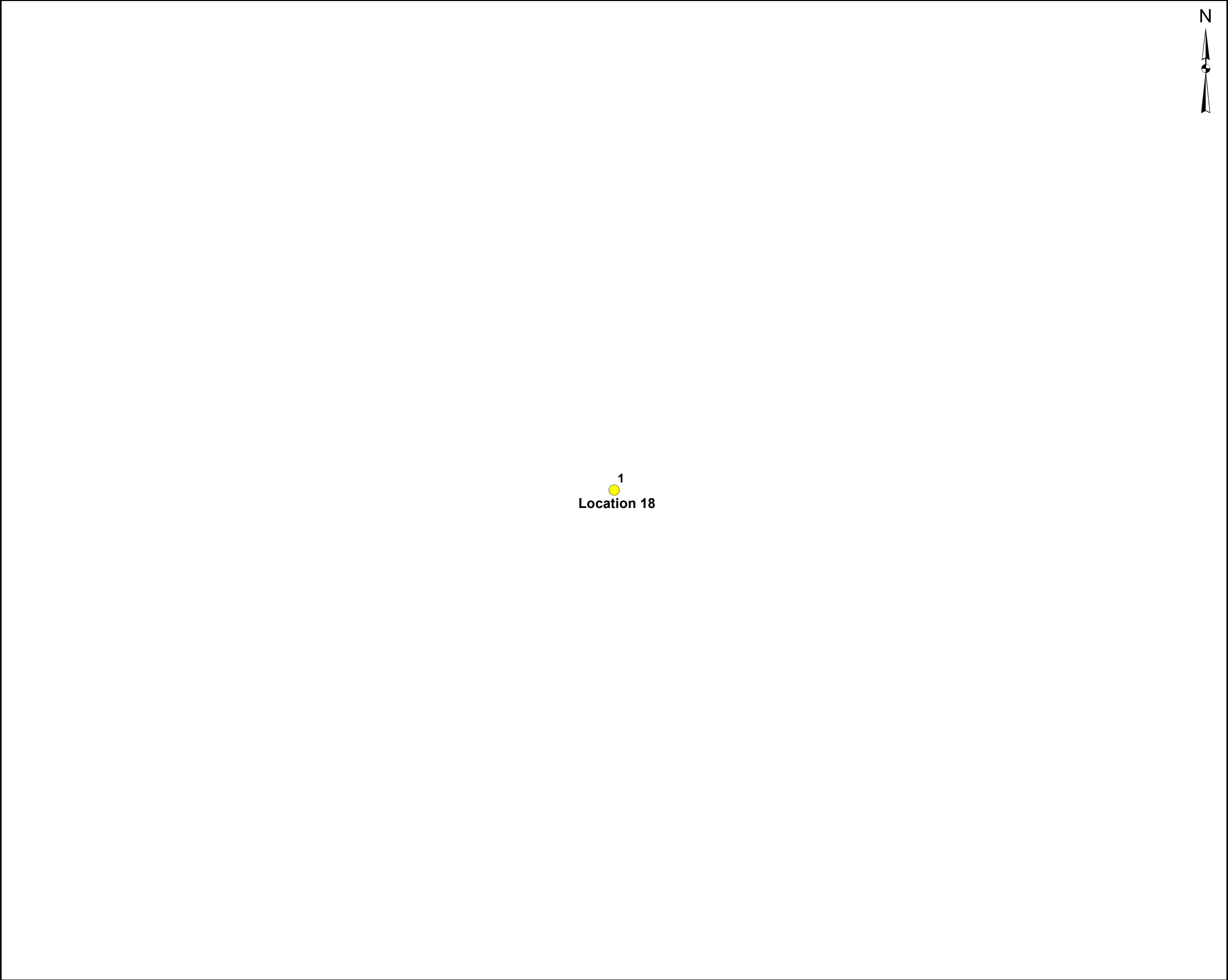
REFERENCE

Base Data - MNR LIO, obtained 2013
Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg
Produced by Golder Associates Ltd under licence from
Ontario Ministry of Natural Resources, © Queens Printer 2013
Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N



PROJECT				NYON ENERGY PARK			
TITLE				STAGE 2 ARCHAEOLOGICAL PROPERTY ASSESSMENT: NYON ENERGY PARK LOCATION 17			
 Mississauga, Ontario				PROJECT NO. 11-1154-0075		SCALE AS SHOWN	REV. 0.0
				DESIGN	JMC	30 Jul. 2014	MAP 24
				GIS	JMC	21 Nov. 2014	
				CHECK	SM	21 Nov. 2014	
				REVIEW	SM	21 Nov. 2014	

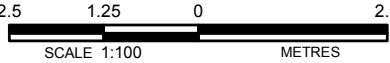
G:\Projects\2011\11-1154-0075_Archaeology\GIS\MXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd



- LEGEND**
- Collected Artifacts
 - Non-Collected Artifacts
 - Disturbed Test Pit (Eastern Historic Structure)
 - Landmark
 - Scatter Area
 - Property Boundary

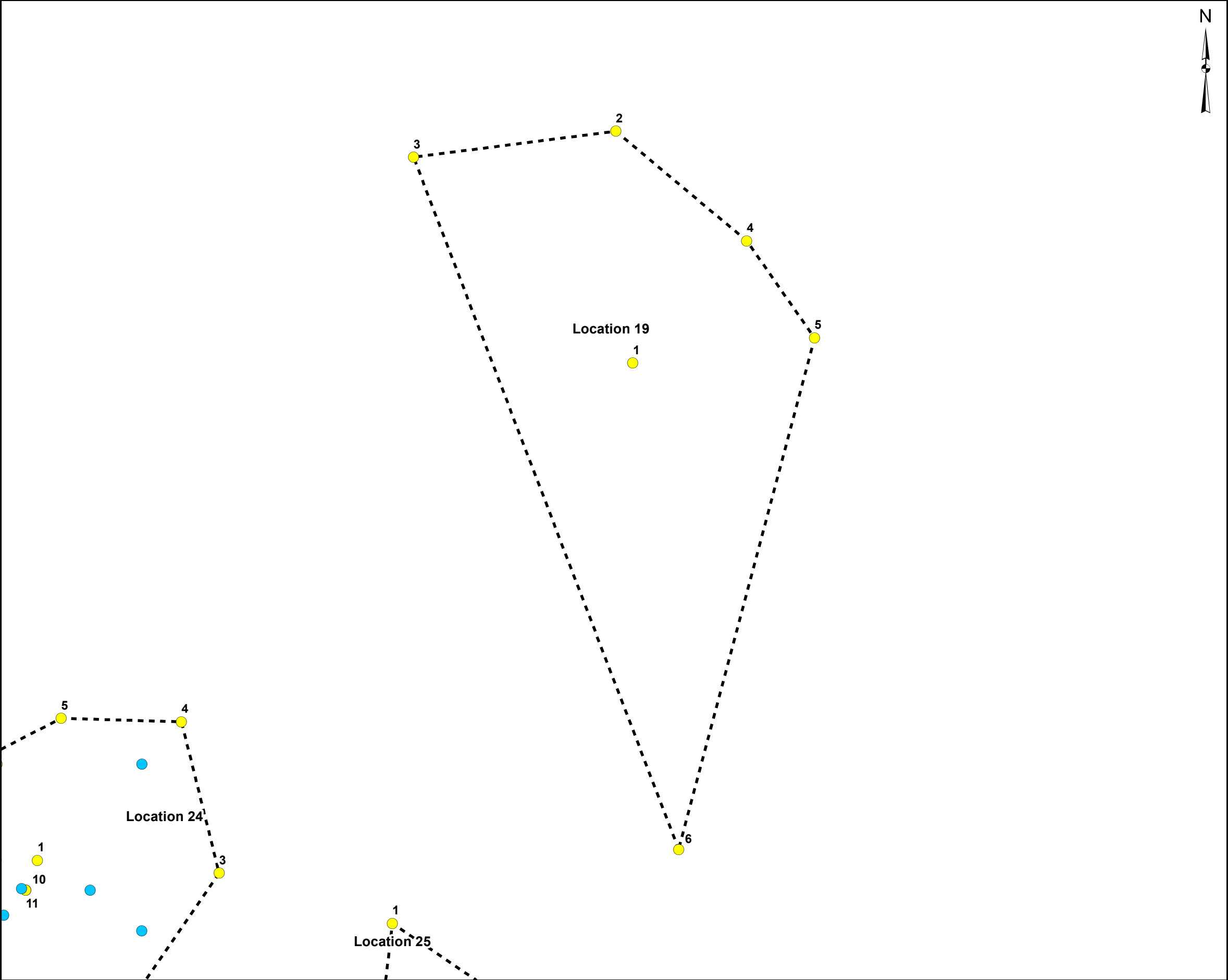
REFERENCE

Base Data - MNR LIO, obtained 2013
Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg
Produced by Golder Associates Ltd under licence from
Ontario Ministry of Natural Resources, © Queens Printer 2013
Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N



PROJECT			
NYON ENERGY PARK			
TITLE			
STAGE 2			
ARCHAEOLOGICAL PROPERTY ASSESSMENT:			
NYON ENERGY PARK LOCATION 18			
 Mississauga, Ontario	PROJECT NO. 11-1154-0075		SCALE AS SHOWN
	DESIGN	JMC	30 Jul. 2014
	GIS	JMC	21 Nov. 2014
	CHECK	SM	21 Nov. 2014
	REVIEW	SM	21 Nov. 2014
MAP 25			

G:\Projects\2011\11-1154-0075_Archaeology\GIS\MXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd

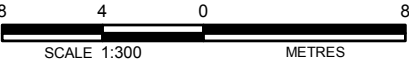


LEGEND

- Collected Artifacts
- Non-Collected Artifacts
- Disturbed Test Pit (Eastern Historic Structure)
- Landmark
- Scatter Area
- Property Boundary

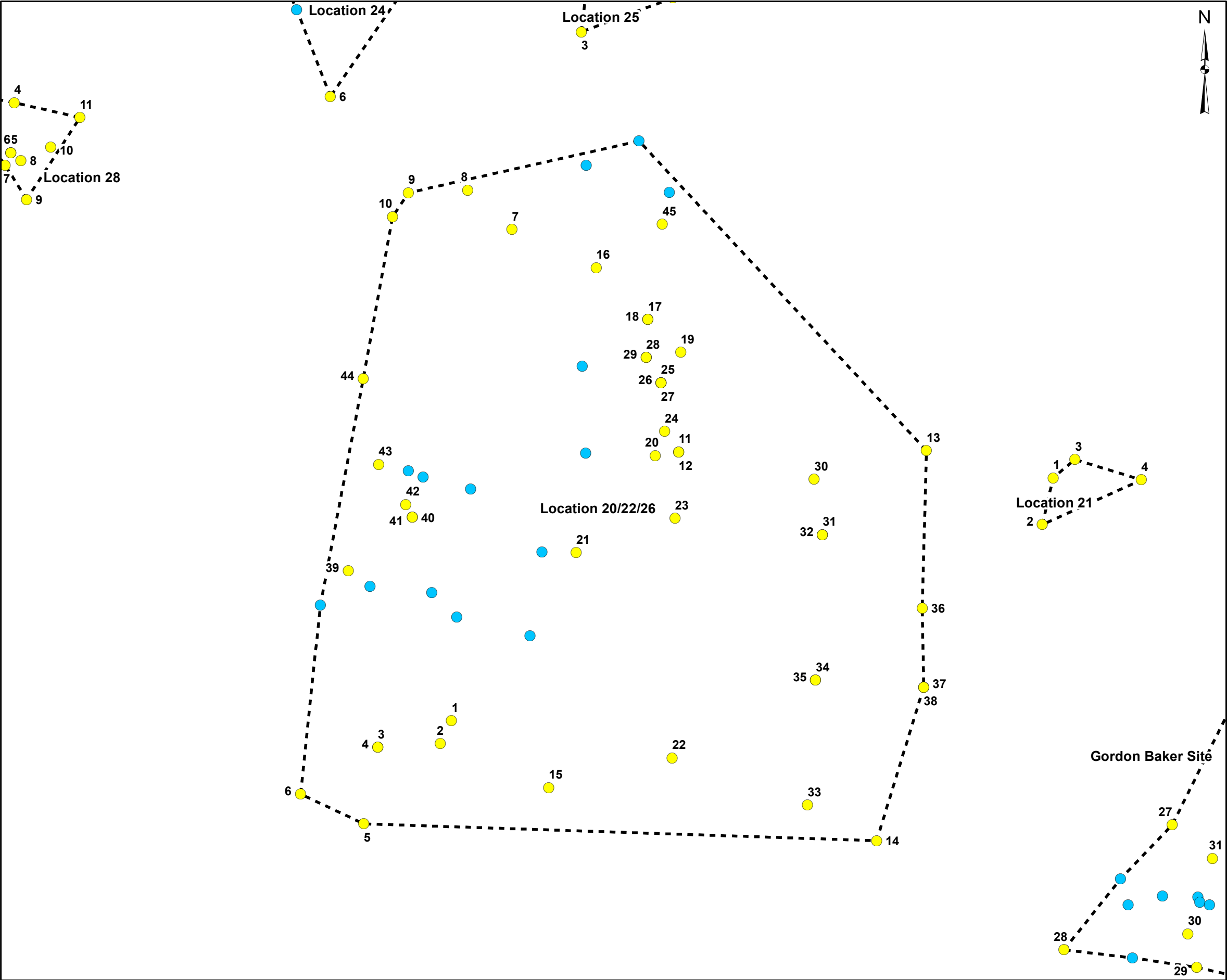
REFERENCE

Base Data - MNR LIO, obtained 2013
Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg
Produced by Golder Associates Ltd under licence from
Ontario Ministry of Natural Resources, © Queens Printer 2013
Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N



PROJECT		NYON ENERGY PARK			
TITLE		STAGE 2 ARCHAEOLOGICAL PROPERTY ASSESSMENT: NYON ENERGY PARK LOCATION 19			
 Mississauga, Ontario	PROJECT NO. 11-1154-0075		SCALE AS SHOWN		REV. 0.0
	DESIGN	JMC	30 Jul. 2014	MAP 26	
	GIS	JMC	21 Nov. 2014		
	CHECK	SM	21 Nov. 2014		
	REVIEW	SM	21 Nov. 2014		

G:\Projects\2011\11-1154-0075_Archaeology\GIS\MXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd



LEGEND

- Collected Artifacts
- Non-Collected Artifacts
- Disturbed Test Pit (Eastern Historic Structure)
- Landmark
- Scatter Area
- Property Boundary

REFERENCE

Base Data - MNR LIO, obtained 2013
Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg
Produced by Golder Associates Ltd under licence from
Ontario Ministry of Natural Resources, © Queens Printer 2013
Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N

10 5 0 10
SCALE 1:400 METRES

PROJECT			
NYON ENERGY PARK			
TITLE			
STAGE 2			
ARCHAEOLOGICAL PROPERTY ASSESSMENT:			
NYON ENERGY PARK LOCATION 20/22/26			
PROJECT NO. 11-1154-0075		SCALE AS SHOWN	REV. 0.0
DESIGN	JMC	30 Jul. 2014	
GIS	JMC	21 Nov. 2014	
CHECK	SM	21 Nov. 2014	
REVIEW	SM	21 Nov. 2014	

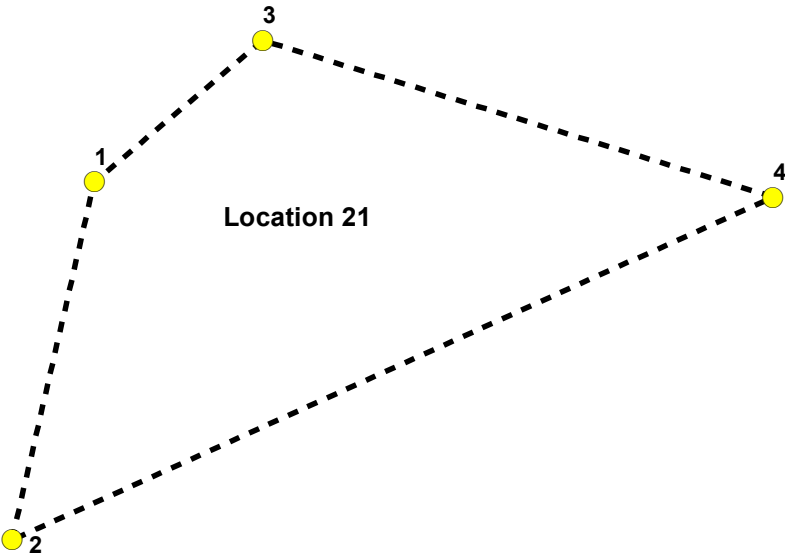
Golder Associates
Mississauga, Ontario

MAP 27

G:\Projects\2011\11-1154-0075_Archaeology\GIS\MXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd

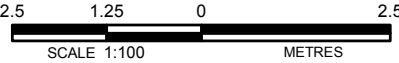


- LEGEND**
- Collected Artifacts
 - Non-Collected Artifacts
 - Disturbed Test Pit (Eastern Historic Structure)
 - Landmark
 - ▤ Scatter Area
 - ▤ Property Boundary



REFERENCE

Base Data - MNR LIO, obtained 2013
Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg
Produced by Golder Associates Ltd under licence from
Ontario Ministry of Natural Resources, © Queens Printer 2013
Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N



PROJECT		NYON ENERGY PARK			
TITLE		STAGE 2 ARCHAEOLOGICAL PROPERTY ASSESSMENT: NYON ENERGY PARK LOCATION 21			
 Mississauga, Ontario	PROJECT NO. 11-1154-0075		SCALE AS SHOWN		REV. 0.0
	DESIGN	JMC	30 Jul. 2014	MAP 28	
	GIS	JMC	21 Nov. 2014		
	CHECK	SM	21 Nov. 2014		
	REVIEW	SM	21 Nov. 2014		

G:\Projects\2011\11-1154-0075_Archaeology\GIS\MXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd

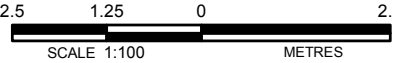


- LEGEND**
- Collected Artifacts
 - Non-Collected Artifacts
 - Disturbed Test Pit (Eastern Historic Structure)
 - Landmark
 - ▤ Scatter Area
 - ▤ Property Boundary

Location 23
1

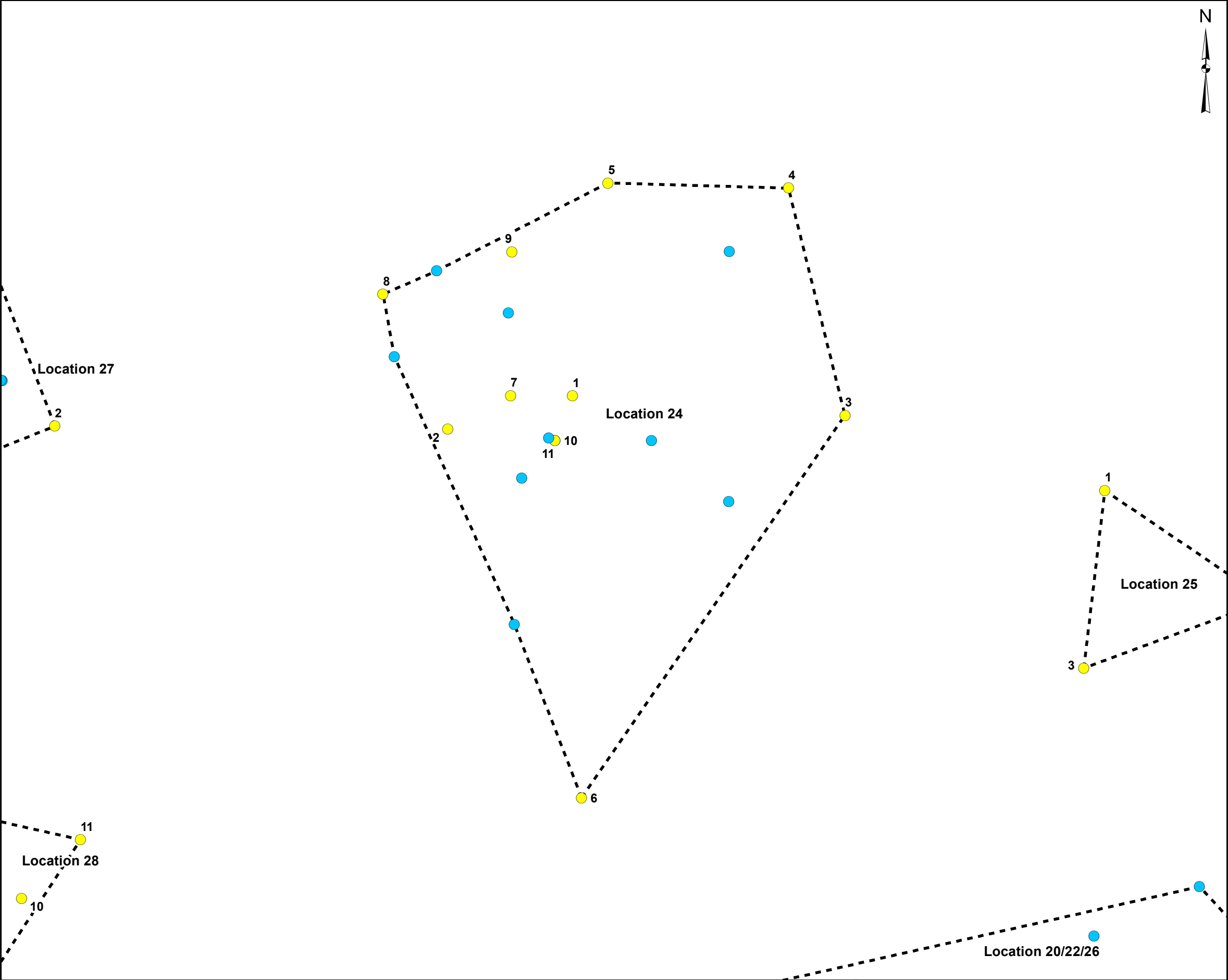
REFERENCE

Base Data - MNR LIO, obtained 2013
Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg
Produced by Golder Associates Ltd under licence from
Ontario Ministry of Natural Resources, © Queens Printer 2013
Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N



PROJECT				NYON ENERGY PARK			
TITLE				STAGE 2 ARCHAEOLOGICAL PROPERTY ASSESSMENT: NYON ENERGY PARK LOCATION 23			
 Mississauga, Ontario				PROJECT NO. 11-1154-0075		SCALE AS SHOWN	REV. 0.0
				DESIGN	JMC	30 Jul. 2014	MAP 29
				GIS	JMC	21 Nov. 2014	
				CHECK	SM	21 Nov. 2014	
				REVIEW	SM	21 Nov. 2014	

G:\Projects\2011\11-1154-0075_Archaeology\GIS\MXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd



LEGEND

Collected Artifacts

Non-Collected Artifacts

Disturbed Test Pit (Eastern Historic Structure)

Landmark

Scatter Area

Property Boundary

REFERENCE

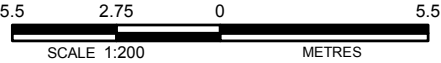
Base Data - MNR LIO, obtained 2013

Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg

Produced by Golder Associates Ltd under licence from

Ontario Ministry of Natural Resources, © Queens Printer 2013

Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N

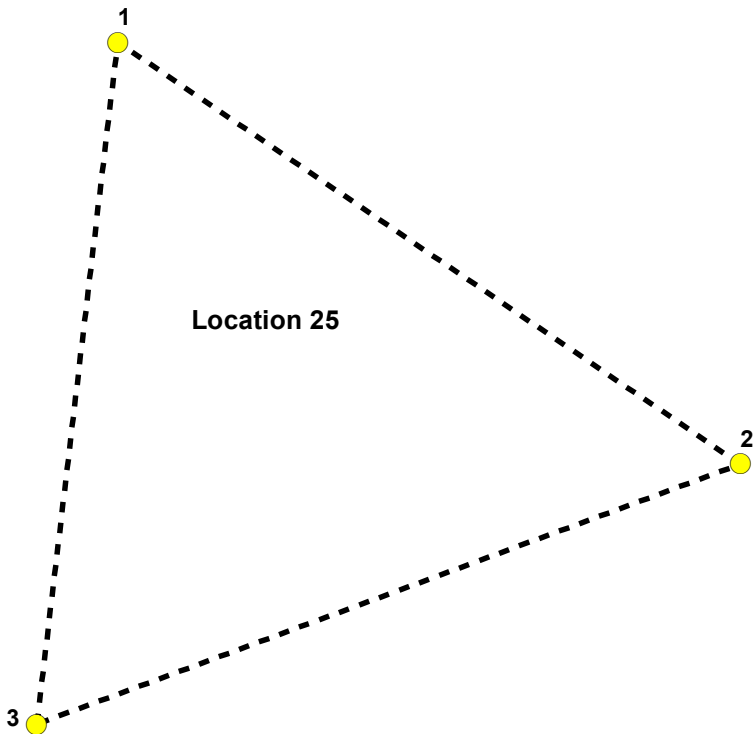


PROJECT		NYON ENERGY PARK			
TITLE		STAGE 2 ARCHAEOLOGICAL PROPERTY ASSESSMENT: NYON ENERGY PARK LOCATION 24			
 Mississauga, Ontario	PROJECT NO. 11-1154-0075		SCALE AS SHOWN		REV. 0.0
	DESIGN	JMC	30 Jul. 2014	MAP 30	
	GIS	JMC	21 Nov. 2014		
	CHECK	SM	21 Nov. 2014		
	REVIEW	SM	21 Nov. 2014		

G:\Projects\2011\11-1154-0075_Archaeology\GIS\MXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd

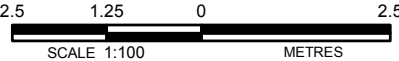


- LEGEND**
- Collected Artifacts
 - Non-Collected Artifacts
 - Disturbed Test Pit (Eastern Historic Structure)
 - Landmark
 - Scatter Area
 - Property Boundary



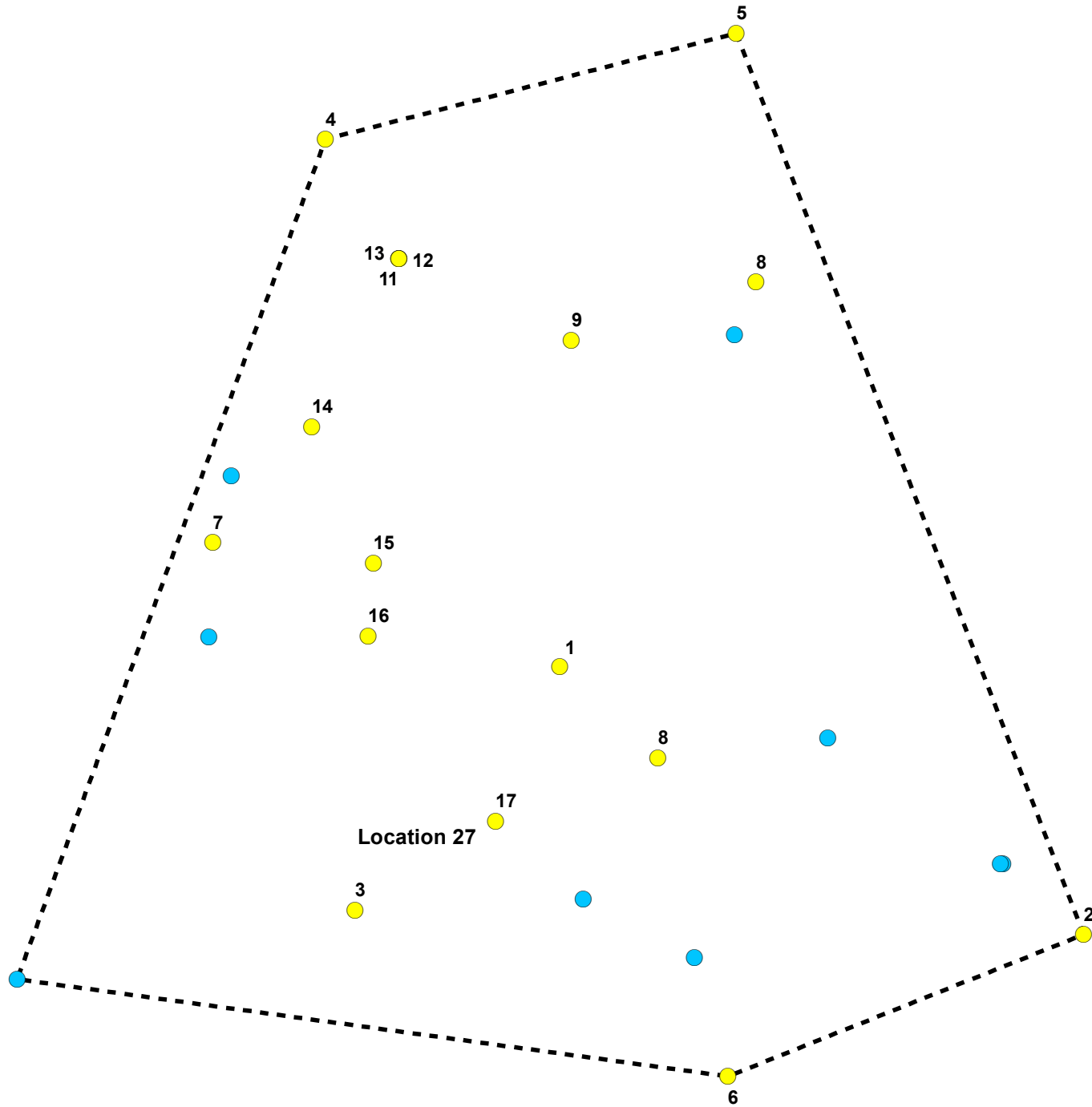
REFERENCE

Base Data - MNR LIO, obtained 2013
Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg
Produced by Golder Associates Ltd under licence from
Ontario Ministry of Natural Resources, © Queens Printer 2013
Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N



PROJECT		NYON ENERGY PARK			
TITLE		STAGE 2 ARCHAEOLOGICAL PROPERTY ASSESSMENT: NYON ENERGY PARK LOCATION 25			
 Mississauga, Ontario	PROJECT NO. 11-1154-0075		SCALE AS SHOWN		REV. 0.0
	DESIGN	JMC	30 Jul. 2014	MAP 31	
	GIS	JMC	21 Nov. 2014		
	CHECK	SM	21 Nov. 2014		
	REVIEW	SM	21 Nov. 2014		

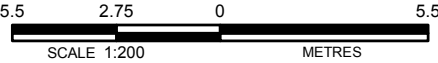
G:\Projects\2011\11-1154-0075_Archaeology\GIS\MXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd



- LEGEND**
- Collected Artifacts
 - Non-Collected Artifacts
 - Disturbed Test Pit (Eastern Historic Structure)
 - Landmark
 - Scatter Area
 - Property Boundary

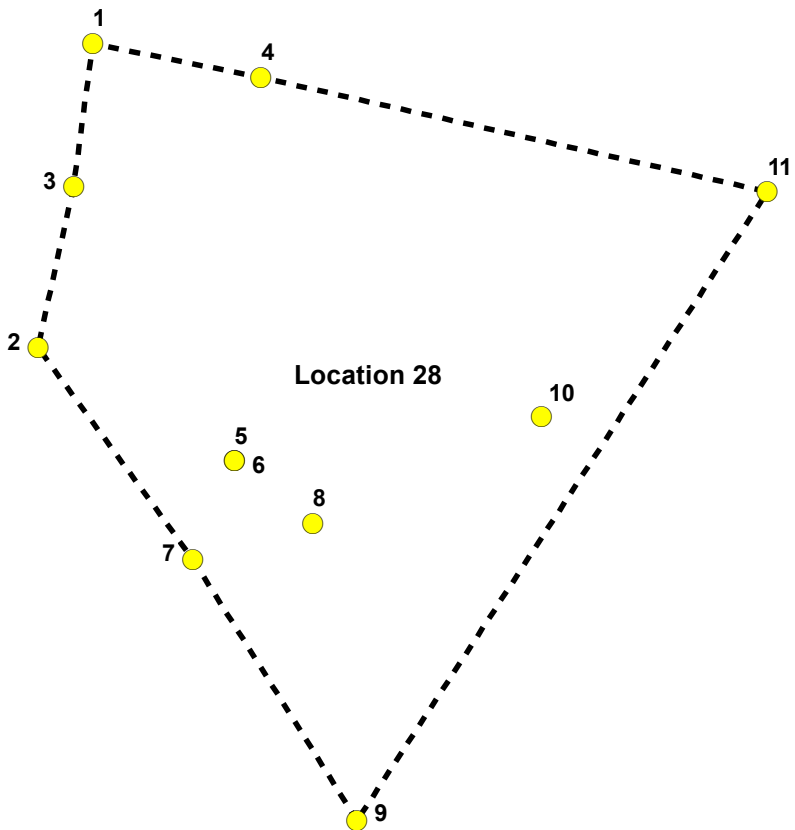
REFERENCE

Base Data - MNR LIO, obtained 2013
Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg
Produced by Golder Associates Ltd under licence from
Ontario Ministry of Natural Resources, © Queens Printer 2013
Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N



PROJECT			
NYON ENERGY PARK			
TITLE			
STAGE 2			
ARCHAEOLOGICAL PROPERTY ASSESSMENT:			
NYON ENERGY PARK LOCATION 27			
 Mississauga, Ontario	PROJECT NO. 11-1154-0075		SCALE AS SHOWN
	DESIGN	JMC	30 Jul. 2014
	GIS	JMC	21 Nov. 2014
	CHECK	SM	21 Nov. 2014
	REVIEW	SM	21 Nov. 2014
MAP 32			

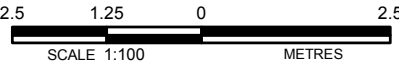
G:\Projects\2011\11-1154-0075_Archaeology\GIS\MXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd



- LEGEND**
- Collected Artifacts
 - Non-Collected Artifacts
 - Disturbed Test Pit (Eastern Historic Structure)
 - Landmark
 - ▬ Scatter Area
 - ▬ Property Boundary

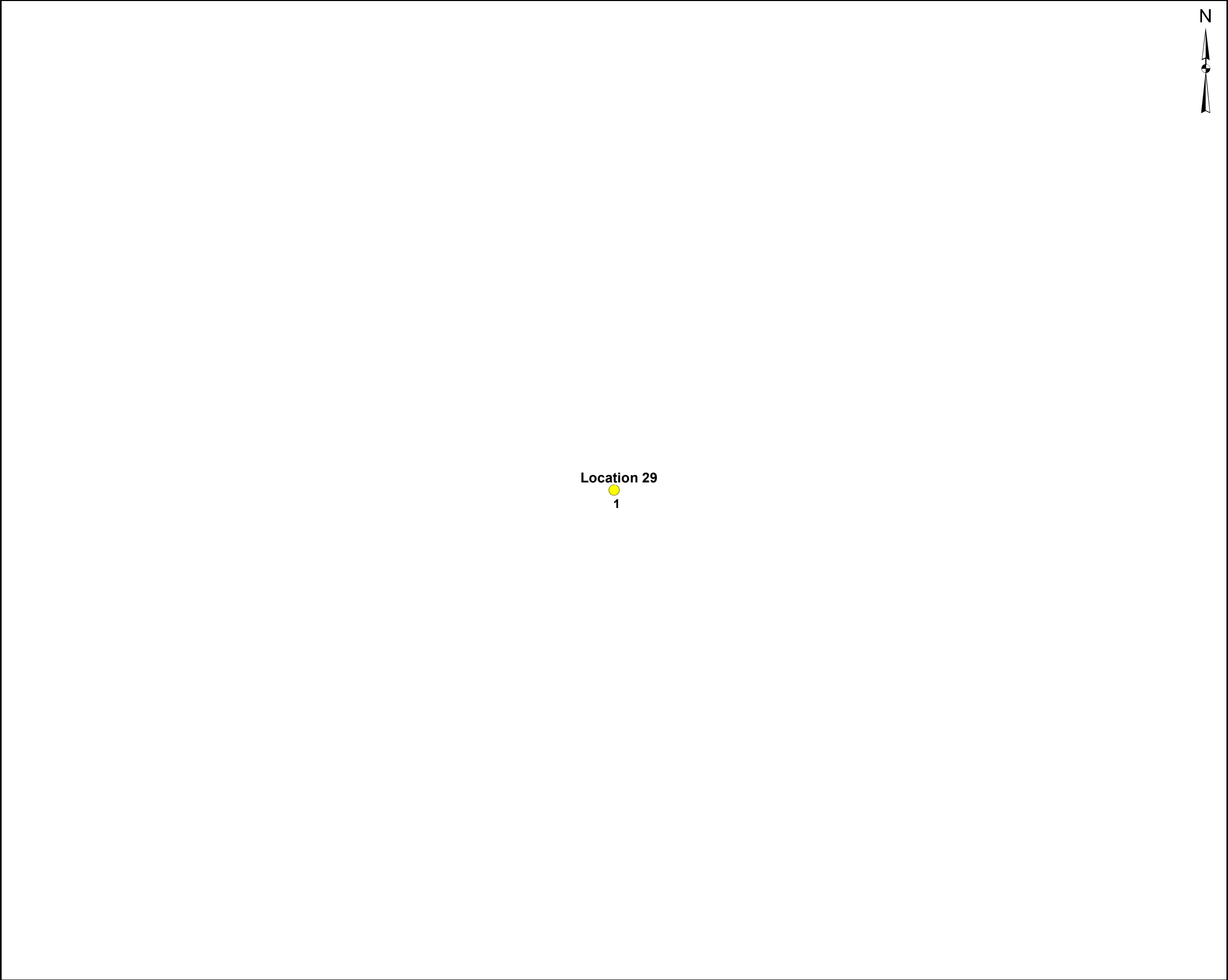
REFERENCE

Base Data - MNR LIO, obtained 2013
Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg
Produced by Golder Associates Ltd under licence from
Ontario Ministry of Natural Resources, © Queens Printer 2013
Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N



PROJECT		NYON ENERGY PARK			
TITLE		STAGE 2 ARCHAEOLOGICAL PROPERTY ASSESSMENT: NYON ENERGY PARK LOCATION 28			
 Mississauga, Ontario	PROJECT NO. 11-1154-0075		SCALE AS SHOWN		REV. 0.0
	DESIGN	JMC	30 Jul. 2014	MAP 33	
	GIS	JMC	21 Nov. 2014		
	CHECK	SM	21 Nov. 2014		
	REVIEW	SM	21 Nov. 2014		

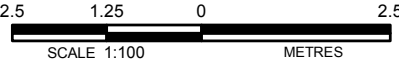
G:\Projects\2011\11-1154-0075_Archaeology\GIS\MXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd



- LEGEND**
- Collected Artifacts
 - Non-Collected Artifacts
 - Disturbed Test Pit (Eastern Historic Structure)
 - Landmark
 - Scatter Area
 - Property Boundary

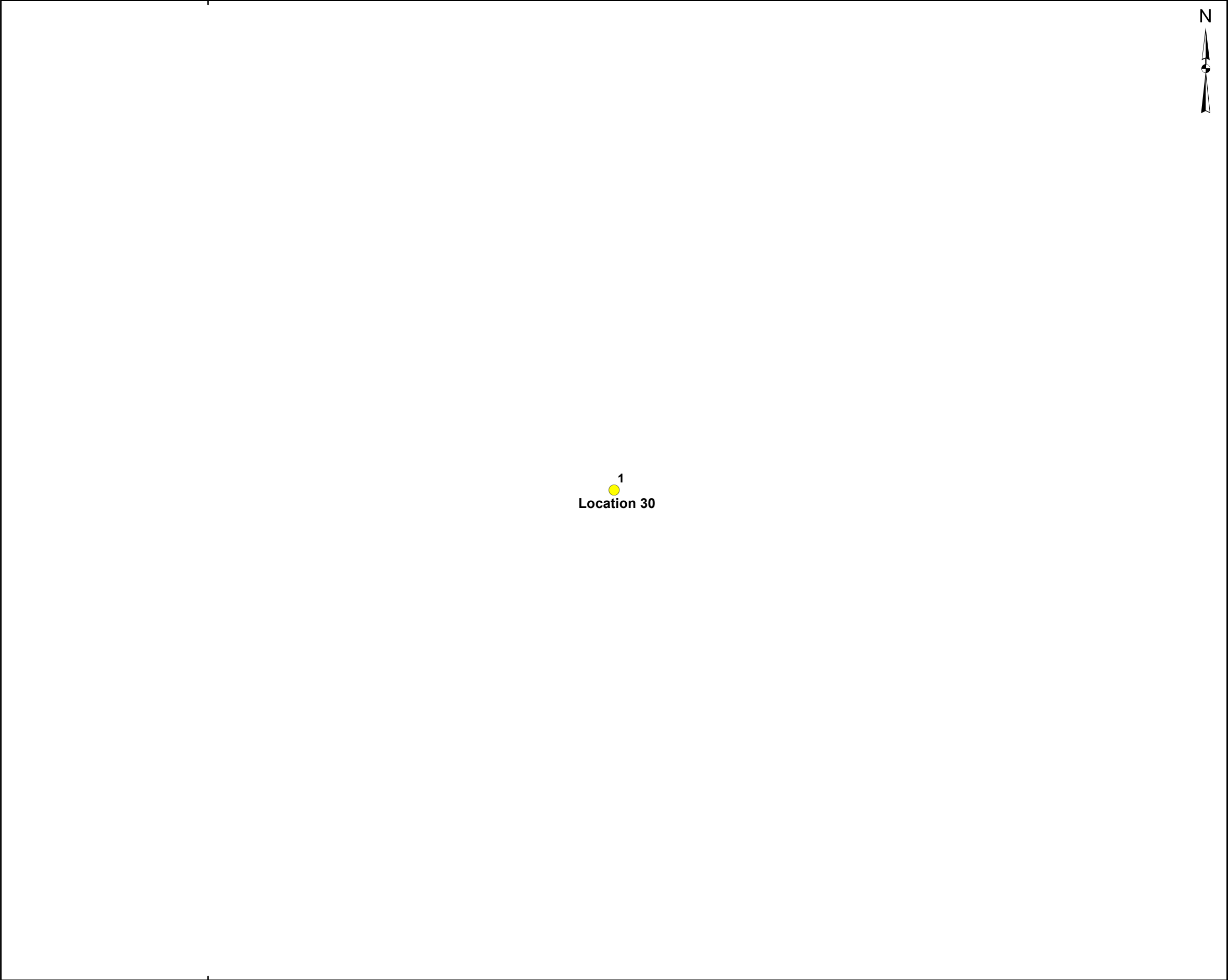
REFERENCE

Base Data - MNR LIO, obtained 2013
Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg
Produced by Golder Associates Ltd under licence from
Ontario Ministry of Natural Resources, © Queens Printer 2013
Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N



PROJECT				NYON ENERGY PARK			
TITLE				STAGE 2 ARCHAEOLOGICAL PROPERTY ASSESSMENT: NYON ENERGY PARK LOCATION 29			
 Mississauga, Ontario	PROJECT NO. 11-1154-0075		SCALE AS SHOWN		REV. 0.0		MAP 34
	DESIGN	JMC	30 Jul. 2014				
	GIS	JMC	21 Nov. 2014				
	CHECK	SM	21 Nov. 2014				
	REVIEW	SM	21 Nov. 2014				

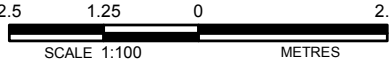
G:\Projects\2011\11-1154-0075_Archaeology\GIS\MXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd



- LEGEND**
- Collected Artifacts
 - Non-Collected Artifacts
 - Disturbed Test Pit (Eastern Historic Structure)
 - Landmark
 - ▤ Scatter Area
 - ▤ Property Boundary

REFERENCE

Base Data - MNR LIO, obtained 2013
Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg
Produced by Golder Associates Ltd under licence from
Ontario Ministry of Natural Resources, © Queens Printer 2013
Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N



PROJECT			
NYON ENERGY PARK			
TITLE			
STAGE 2			
ARCHAEOLOGICAL PROPERTY ASSESSMENT:			
NYON ENERGY PARK LOCATION 30			
 Mississauga, Ontario	PROJECT NO. 11-1154-0075		SCALE AS SHOWN
	DESIGN	JMC	30 Jul. 2014
	GIS	JMC	21 Nov. 2014
	CHECK	SM	21 Nov. 2014
	REVIEW	SM	21 Nov. 2014
			MAP 35

G:\Projects\2011\11-1154-0075_Archaeology\GIS\MXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd



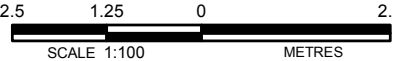
Location 31
1

LEGEND

- Collected Artifacts
- Non-Collected Artifacts
- Disturbed Test Pit (Eastern Historic Structure)
- Landmark
- Scatter Area
- Property Boundary

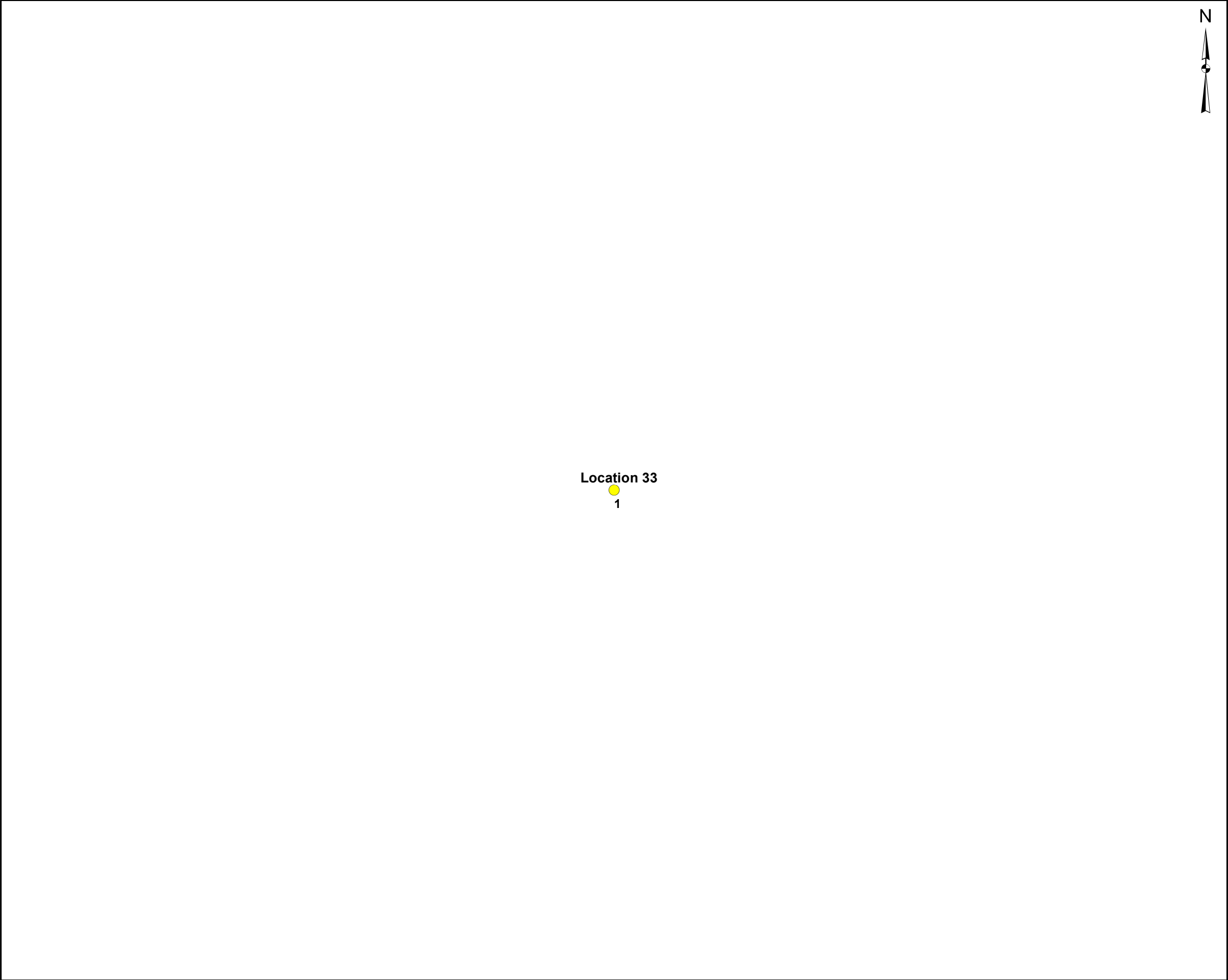
REFERENCE

Base Data - MNR LIO, obtained 2013
Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg
Produced by Golder Associates Ltd under licence from
Ontario Ministry of Natural Resources, © Queens Printer 2013
Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N



PROJECT				NYON ENERGY PARK			
TITLE				STAGE 2 ARCHAEOLOGICAL PROPERTY ASSESSMENT: NYON ENERGY PARK LOCATION 31			
 Mississauga, Ontario				PROJECT NO. 11-1154-0075		SCALE AS SHOWN	REV. 0.0
				DESIGN	JMC	30 Jul. 2014	
				GIS	JMC	21 Nov. 2014	
				CHECK	SM	21 Nov. 2014	
				REVIEW	SM	21 Nov. 2014	
				MAP 36			

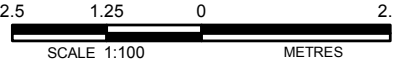
G:\Projects\2011\11-1154-0075_Archaeology\GIS\MXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd



- LEGEND**
- Collected Artifacts
 - Non-Collected Artifacts
 - Disturbed Test Pit (Eastern Historic Structure)
 - Landmark
 - ▣ Scatter Area
 - ▣ Property Boundary

REFERENCE

Base Data - MNR LIO, obtained 2013
Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg
Produced by Golder Associates Ltd under licence from
Ontario Ministry of Natural Resources, © Queens Printer 2013
Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N



PROJECT		NYON ENERGY PARK			
TITLE		STAGE 2 ARCHAEOLOGICAL PROPERTY ASSESSMENT: NYON ENERGY PARK LOCATION 33			
 Golder Associates Mississauga, Ontario	PROJECT NO. 11-1154-0075		SCALE AS SHOWN		REV. 0.0
	DESIGN	JMC	30 Jul. 2014		
	GIS	JMC	21 Nov. 2014		
	CHECK	SM	21 Nov. 2014		
	REVIEW	SM	21 Nov. 2014		
		MAP 37			

G:\Projects\2011\11-1154-0075_Archaeology\GIS\MXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd

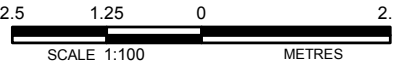


1
Location 34

- LEGEND**
- Collected Artifacts
 - Non-Collected Artifacts
 - Disturbed Test Pit (Eastern Historic Structure)
 - Landmark
 - ▣ Scatter Area
 - ▣ Property Boundary

REFERENCE

Base Data - MNR LIO, obtained 2013
Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg
Produced by Golder Associates Ltd under licence from
Ontario Ministry of Natural Resources, © Queens Printer 2013
Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N



PROJECT				NYON ENERGY PARK			
TITLE				STAGE 2 ARCHAEOLOGICAL PROPERTY ASSESSMENT: NYON ENERGY PARK LOCATION 34			
 Mississauga, Ontario				PROJECT NO. 11-1154-0075		SCALE AS SHOWN	REV. 0.0
				DESIGN	JMC	30 Jul. 2014	MAP 38
				GIS	JMC	21 Nov. 2014	
				CHECK	SM	21 Nov. 2014	
				REVIEW	SM	21 Nov. 2014	

G:\Projects\2011\11-1154-0075_Archaeology\GIS\MXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd

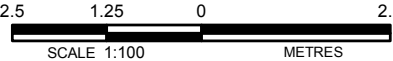


1
Location 35

- LEGEND**
- Collected Artifacts
 - Non-Collected Artifacts
 - Disturbed Test Pit (Eastern Historic Structure)
 - Landmark
 - Scatter Area
 - Property Boundary

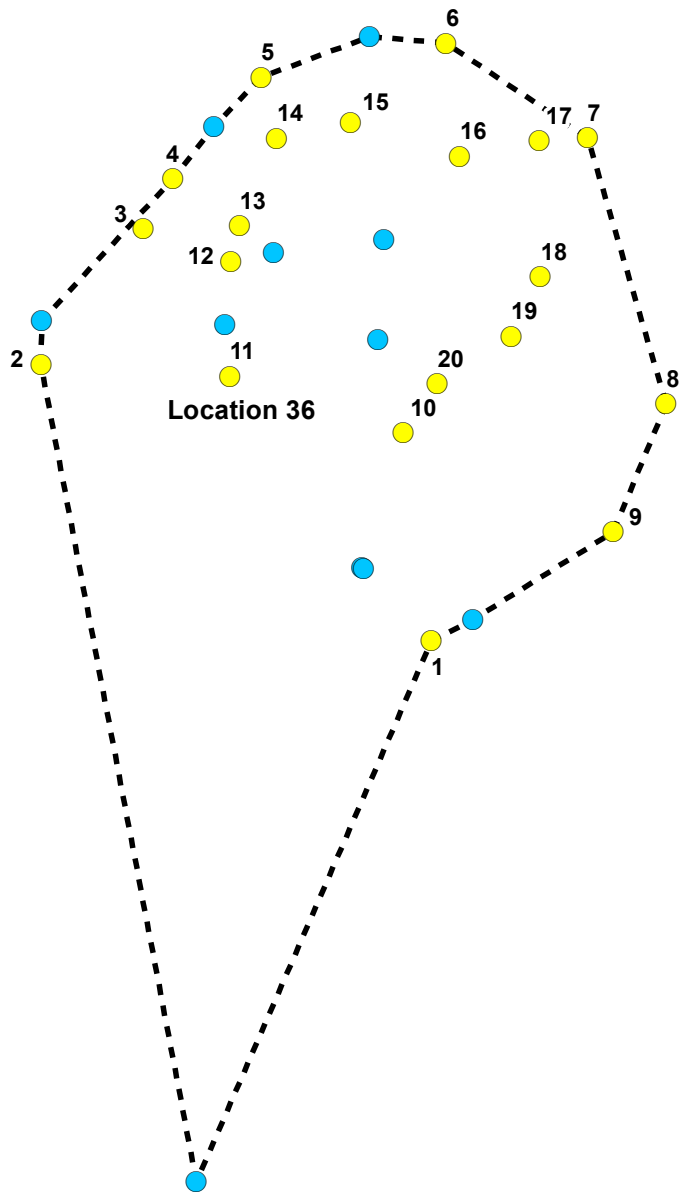
REFERENCE

Base Data - MNR LIO, obtained 2013
Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg
Produced by Golder Associates Ltd under licence from
Ontario Ministry of Natural Resources, © Queens Printer 2013
Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N



PROJECT			
NYON ENERGY PARK			
TITLE			
STAGE 2			
ARCHAEOLOGICAL PROPERTY ASSESSMENT:			
NYON ENERGY PARK LOCATION 35			
 Mississauga, Ontario	PROJECT NO. 11-1154-0075		SCALE AS SHOWN
	DESIGN	JMC	30 Jul. 2014
	GIS	JMC	21 Nov. 2014
	CHECK	SM	21 Nov. 2014
	REVIEW	SM	21 Nov. 2014
MAP 39			

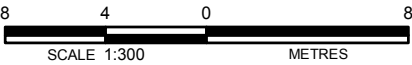
G:\Projects\2011\11-1154-0075_Archaeology\GISMXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd



- LEGEND**
- Collected Artifacts
 - Non-Collected Artifacts
 - Disturbed Test Pit (Eastern Historic Structure)
 - Landmark
 - Scatter Area
 - Property Boundary

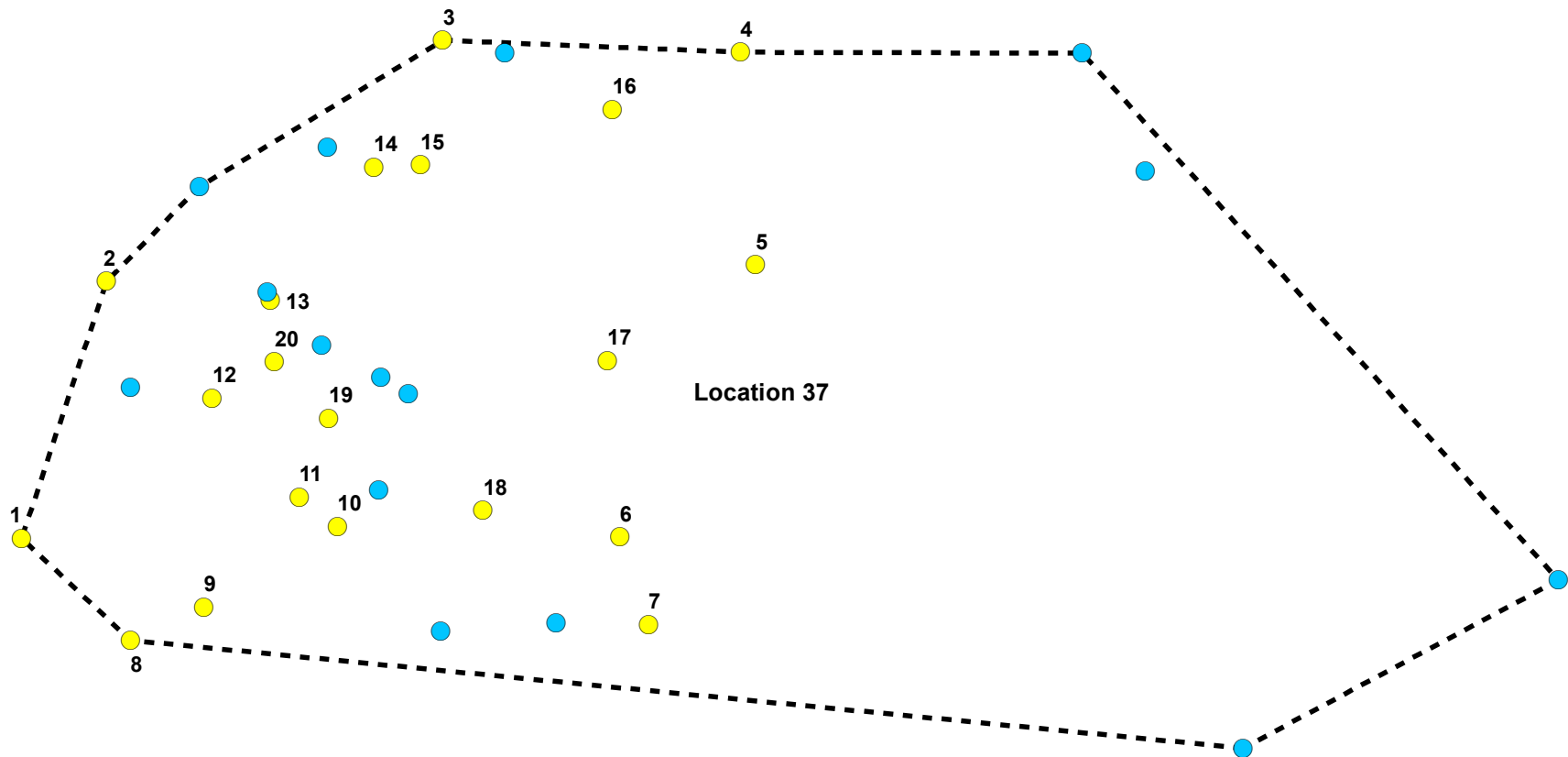
REFERENCE

Base Data - MNR LIO, obtained 2013
Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg
Produced by Golder Associates Ltd under licence from
Ontario Ministry of Natural Resources, © Queens Printer 2013
Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N



PROJECT			
NYON ENERGY PARK			
TITLE			
STAGE 2			
ARCHAEOLOGICAL PROPERTY ASSESSMENT:			
NYON ENERGY PARK LOCATION 36			
 Mississauga, Ontario	PROJECT NO. 11-1154-0075		SCALE AS SHOWN
	DESIGN	JMC	30 Jul. 2014
	GIS	JMC	21 Nov. 2014
	CHECK	SM	21 Nov. 2014
	REVIEW	SM	21 Nov. 2014
			MAP 40

G:\Projects\2011\11-1154-0075_Archaeology\GIS\MXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd

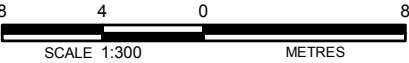


LEGEND

- Collected Artifacts
- Non-Collected Artifacts
- Disturbed Test Pit (Eastern Historic Structure)
- Landmark
- Scatter Area
- Property Boundary

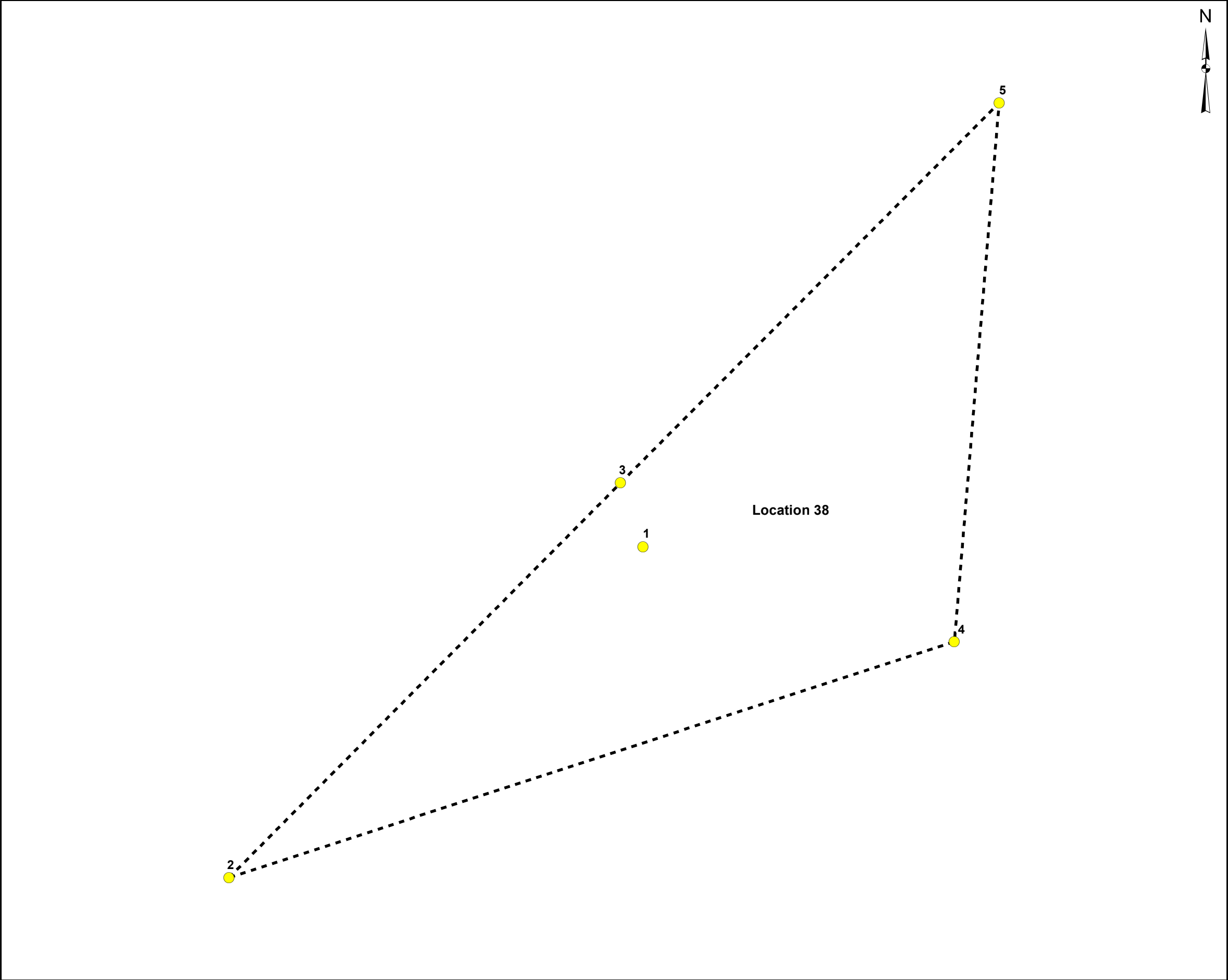
REFERENCE

Base Data - MNR LIO, obtained 2013
Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg
Produced by Golder Associates Ltd under licence from
Ontario Ministry of Natural Resources, © Queens Printer 2013
Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N



PROJECT		NYON ENERGY PARK			
TITLE		STAGE 2 ARCHAEOLOGICAL PROPERTY ASSESSMENT: NYON ENERGY PARK LOCATION 37			
 Mississauga, Ontario	PROJECT NO. 11-1154-0075		SCALE AS SHOWN		REV. 0.0
	DESIGN	JMC	30 Jul. 2014	MAP 41	
	GIS	JMC	21 Nov. 2014		
	CHECK	SM	21 Nov. 2014		
	REVIEW	SM	21 Nov. 2014		

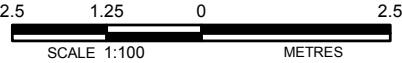
G:\Projects\2011\11-1154-0075_Archaeology\GIS\MXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd



- LEGEND**
- Collected Artifacts
 - Non-Collected Artifacts
 - Disturbed Test Pit (Eastern Historic Structure)
 - Landmark
 - Scatter Area
 - Property Boundary

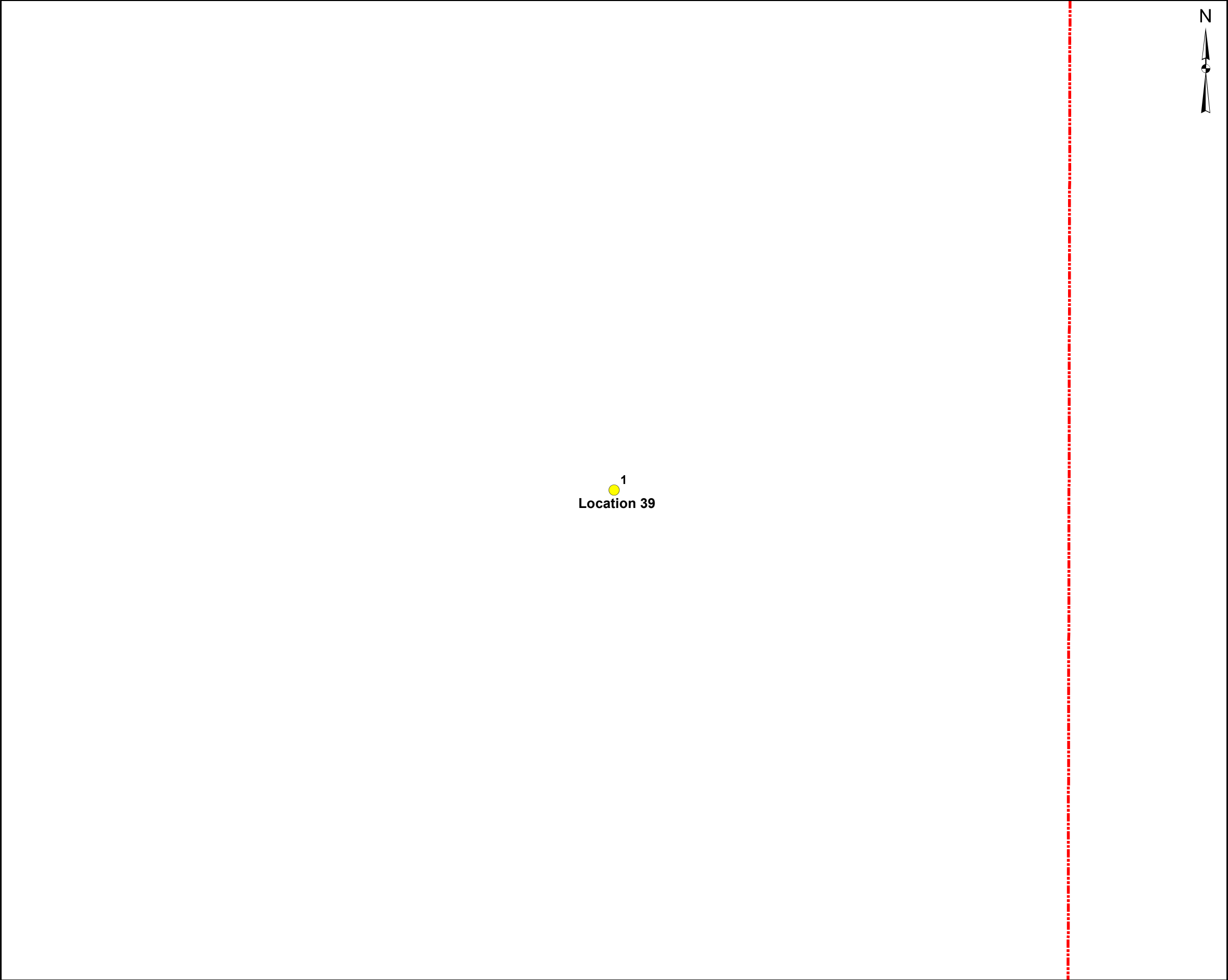
REFERENCE

Base Data - MNR LIO, obtained 2013
Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg
Produced by Golder Associates Ltd under licence from
Ontario Ministry of Natural Resources, © Queens Printer 2013
Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N



PROJECT			
NYON ENERGY PARK			
TITLE			
STAGE 2			
ARCHAEOLOGICAL PROPERTY ASSESSMENT:			
NYON ENERGY PARK LOCATION 38			
 Mississauga, Ontario	PROJECT NO. 11-1154-0075		SCALE AS SHOWN
	DESIGN	JMC	30 Jul. 2014
	GIS	JMC	21 Nov. 2014
	CHECK	SM	21 Nov. 2014
	REVIEW	SM	21 Nov. 2014
MAP 42			

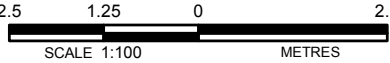
G:\Projects\2011\11-1154-0075_Archaeology\GIS\MXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd



- LEGEND**
- Collected Artifacts
 - Non-Collected Artifacts
 - Disturbed Test Pit (Eastern Historic Structure)
 - Landmark
 - ▣ Scatter Area
 - ▣ Property Boundary

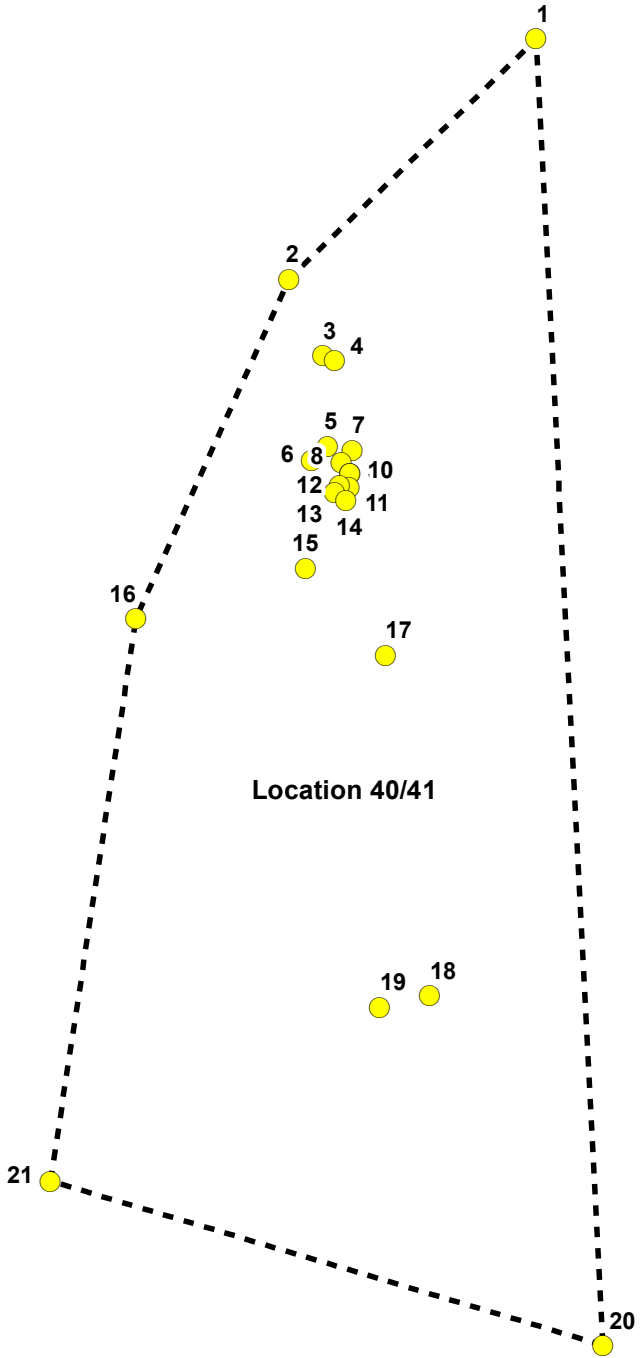
REFERENCE

Base Data - MNR LIO, obtained 2013
Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg
Produced by Golder Associates Ltd under licence from
Ontario Ministry of Natural Resources, © Queens Printer 2013
Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N



PROJECT			
NYON ENERGY PARK			
TITLE			
STAGE 2			
ARCHAEOLOGICAL PROPERTY ASSESSMENT:			
NYON ENERGY PARK LOCATION 39			
 Mississauga, Ontario	PROJECT NO. 11-1154-0075		SCALE AS SHOWN
	DESIGN	JMC	30 Jul. 2014
	GIS	JMC	21 Nov. 2014
	CHECK	SM	21 Nov. 2014
	REVIEW	SM	21 Nov. 2014
MAP 43			

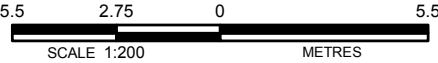
G:\Projects\2011\11-1154-0075_Archaeology\GIS\MXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd



- LEGEND**
- Collected Artifacts
 - Non-Collected Artifacts
 - Disturbed Test Pit (Eastern Historic Structure)
 - Landmark
 - Scatter Area
 - Property Boundary

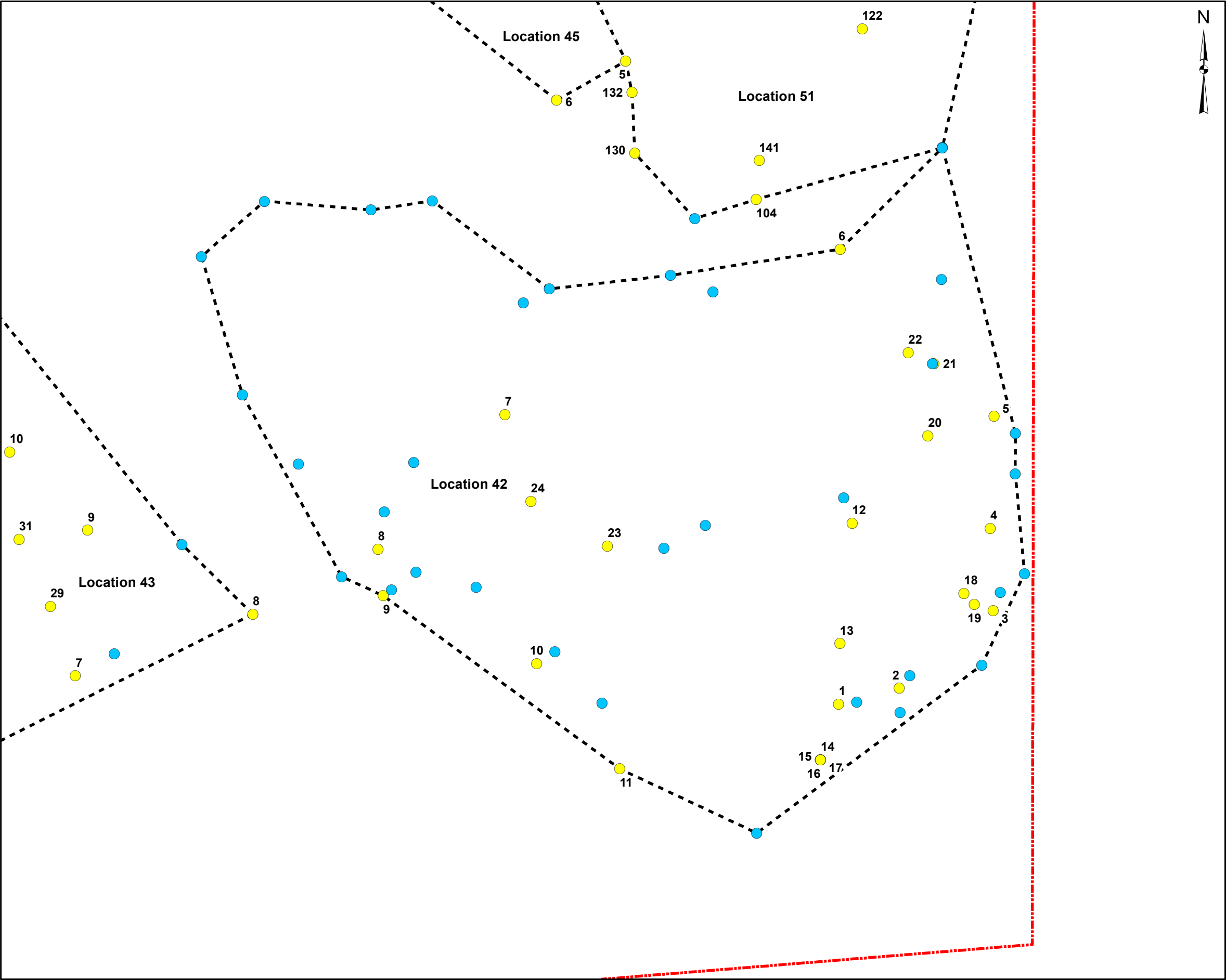
REFERENCE

Base Data - MNR LIO, obtained 2013
Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg
Produced by Golder Associates Ltd under licence from
Ontario Ministry of Natural Resources, © Queens Printer 2013
Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N



PROJECT			
NYON ENERGY PARK			
TITLE			
STAGE 2			
ARCHAEOLOGICAL PROPERTY ASSESSMENT:			
NYON ENERGY PARK LOCATION 40/41			
 Mississauga, Ontario	PROJECT NO. 11-1154-0075		SCALE AS SHOWN
	DESIGN	JMC	30 Jul. 2014
	GIS	JMC	21 Nov. 2014
	CHECK	SM	21 Nov. 2014
	REVIEW	SM	21 Nov. 2014
			MAP 44

G:\Projects\2011\11-1154-0075_Archaeology\GIS\MXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd

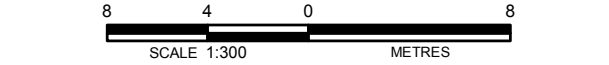


LEGEND

- Collected Artifacts
- Non-Collected Artifacts
- Disturbed Test Pit (Eastern Historic Structure)
- Landmark
- Scatter Area
- Property Boundary

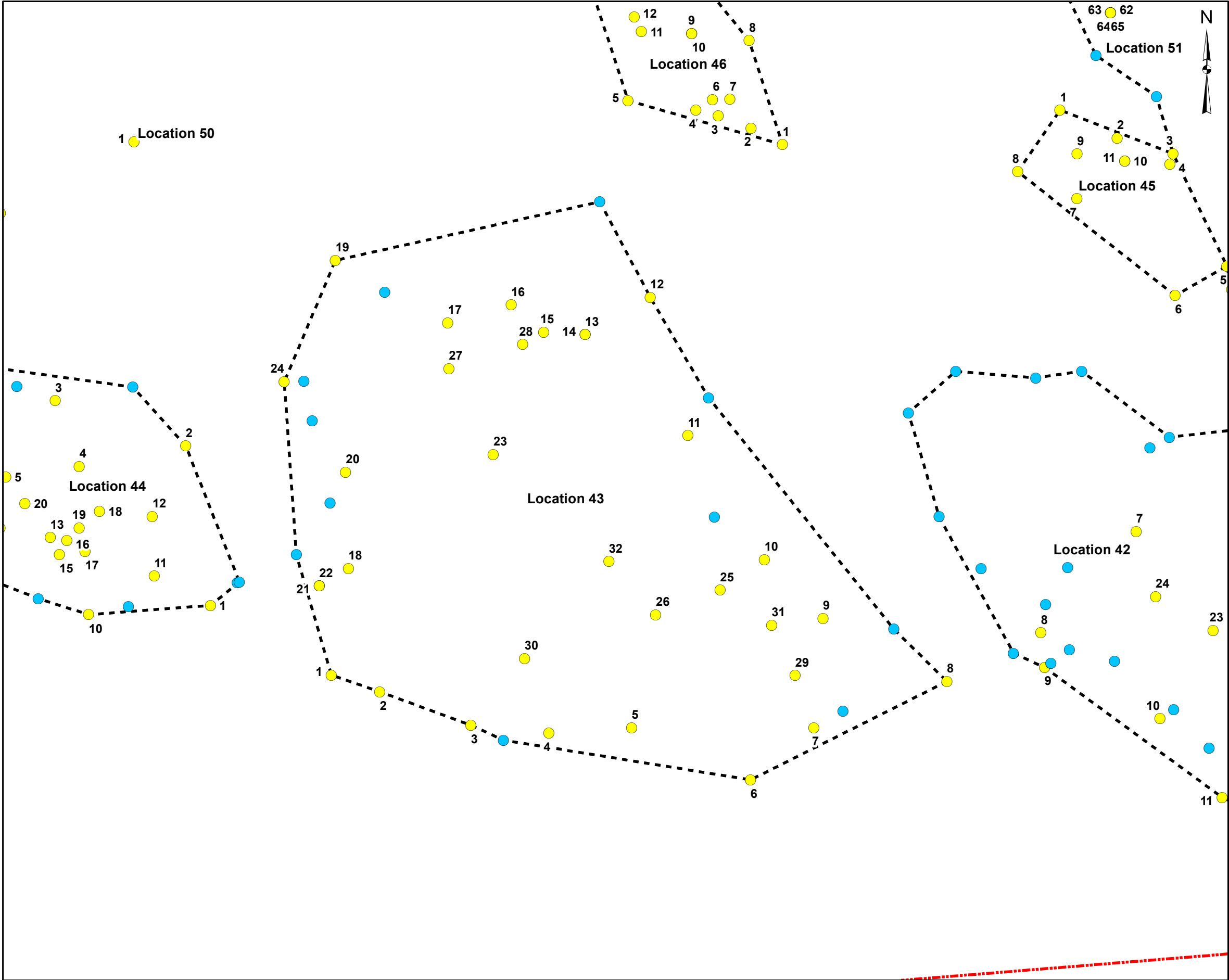
REFERENCE

Base Data - MNR LIO, obtained 2013
Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg
Produced by Golder Associates Ltd under licence from
Ontario Ministry of Natural Resources, © Queens Printer 2013
Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N



PROJECT		NYON ENERGY PARK			
TITLE		STAGE 2 ARCHAEOLOGICAL PROPERTY ASSESSMENT: NYON ENERGY PARK LOCATION 42			
 Mississauga, Ontario	PROJECT NO. 11-1154-0075		SCALE AS SHOWN		REV. 0.0
	DESIGN	JMC	30 Jul. 2014	MAP 45	
	GIS	JMC	21 Nov. 2014		
	CHECK	SM	21 Nov. 2014		
	REVIEW	SM	21 Nov. 2014		

G:\Projects\2011\11-1154-0075_Archaeology\GIS\MXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd



LEGEND

- Collected Artifacts
- Non-Collected Artifacts
- Disturbed Test Pit (Eastern Historic Structure)
- Landmark
- Scatter Area
- Property Boundary

REFERENCE

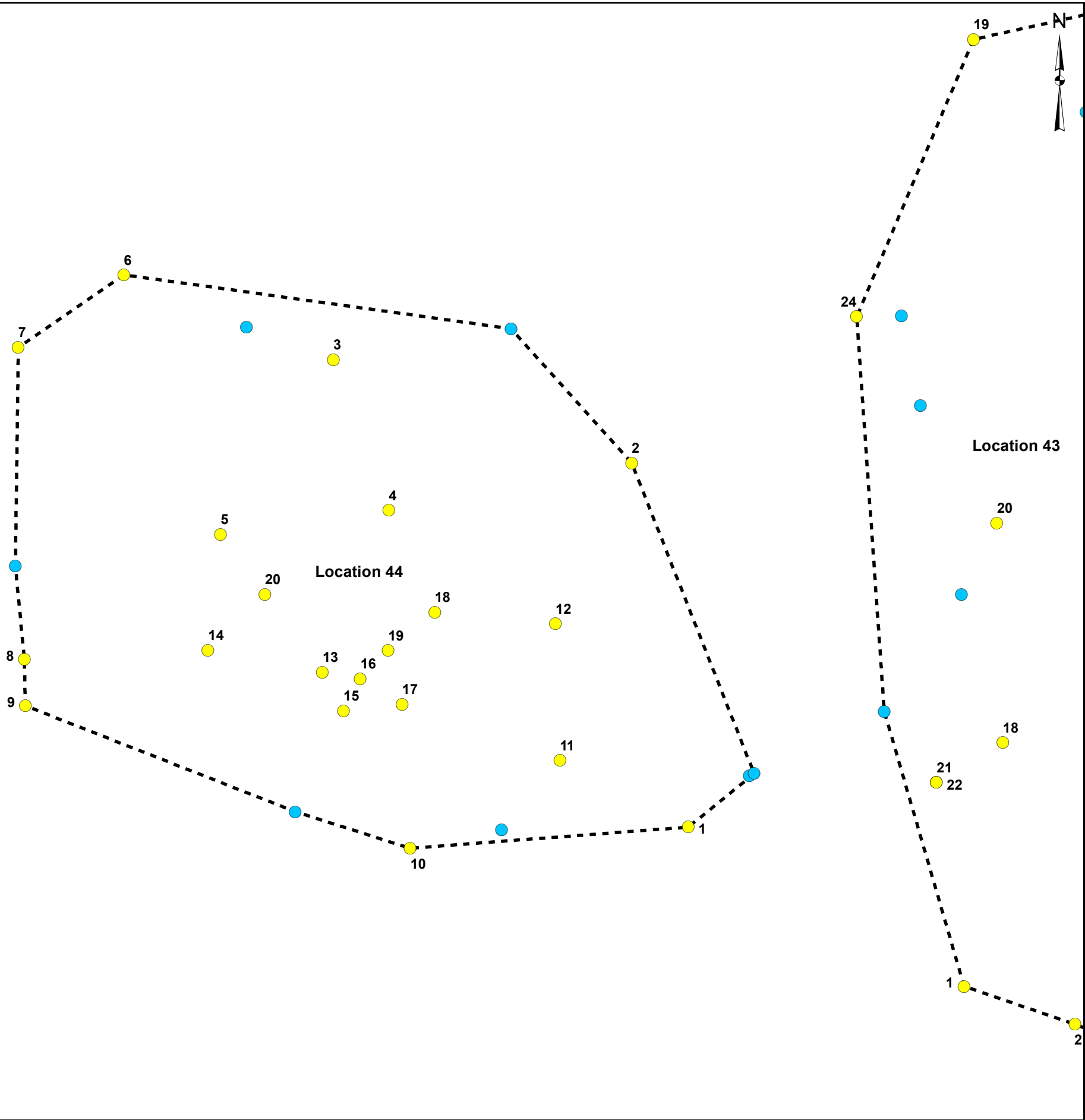
Base Data - MNR LIO, obtained 2013
Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg
Produced by Golder Associates Ltd under licence from
Ontario Ministry of Natural Resources, © Queens Printer 2013
Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N

10 5 0 10
SCALE 1:400 METRES

PROJECT			
NYON ENERGY PARK			
TITLE			
STAGE 2			
ARCHAEOLOGICAL PROPERTY ASSESSMENT:			
NYON ENERGY PARK LOCATION 43			
PROJECT NO. 11-1154-0075		SCALE AS SHOWN	REV. 0.0
DESIGN	JMC	30 Jul. 2014	MAP 46
GIS	JMC	21 Nov. 2014	
CHECK	SM	21 Nov. 2014	
REVIEW	SM	21 Nov. 2014	

Golder Associates
Mississauga, Ontario

G:\Projects\2011\11-1154-0075_Archaeology\GIS\MXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd



LEGEND

- Collected Artifacts
- Non-Collected Artifacts
- Disturbed Test Pit (Eastern Historic Structure)
- Landmark
- Scatter Area
- Property Boundary

REFERENCE

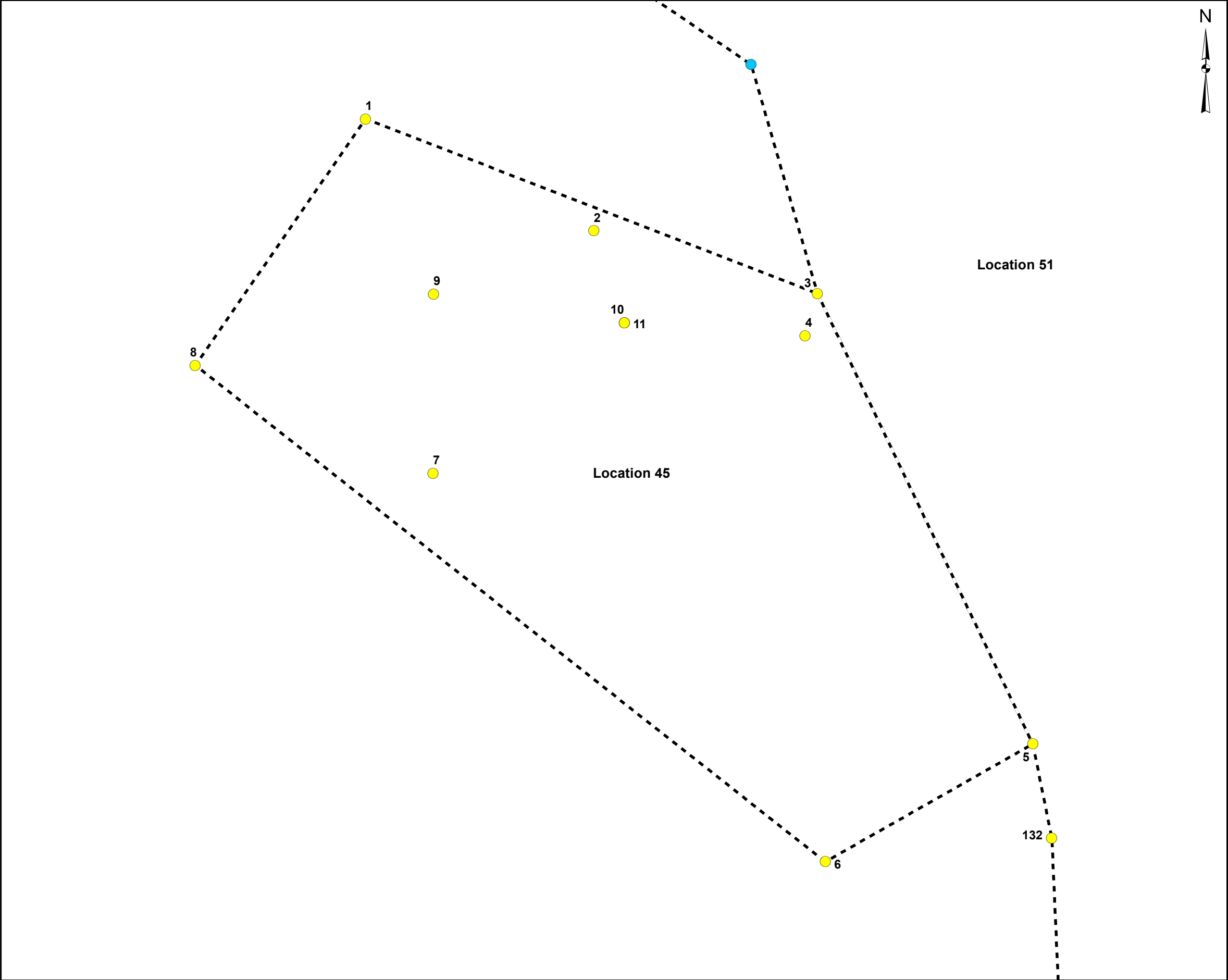
Base Data - MNR LIO, obtained 2013
Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg
Produced by Golder Associates Ltd under licence from
Ontario Ministry of Natural Resources, © Queens Printer 2013
Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N

5.5 2.75 0 5.5
SCALE 1:200 METRES

PROJECT			
NYON ENERGY PARK			
TITLE			
STAGE 2 ARCHAEOLOGICAL PROPERTY ASSESSMENT: NYON ENERGY PARK LOCATION 44			
PROJECT NO. 11-1154-0075		SCALE AS SHOWN	REV. 0.0
DESIGN	JMC	30 Jul. 2014	MAP 47
GIS	JMC	21 Nov. 2014	
CHECK	SM	21 Nov. 2014	
REVIEW	SM	21 Nov. 2014	

Golder Associates
Mississauga, Ontario

G:\Projects\2011\11-1154-0075_Archaeology\GIS\MXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd

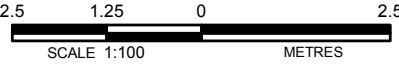


LEGEND

- Collected Artifacts
- Non-Collected Artifacts
- Disturbed Test Pit (Eastern Historic Structure)
- Landmark
- Scatter Area
- Property Boundary

REFERENCE

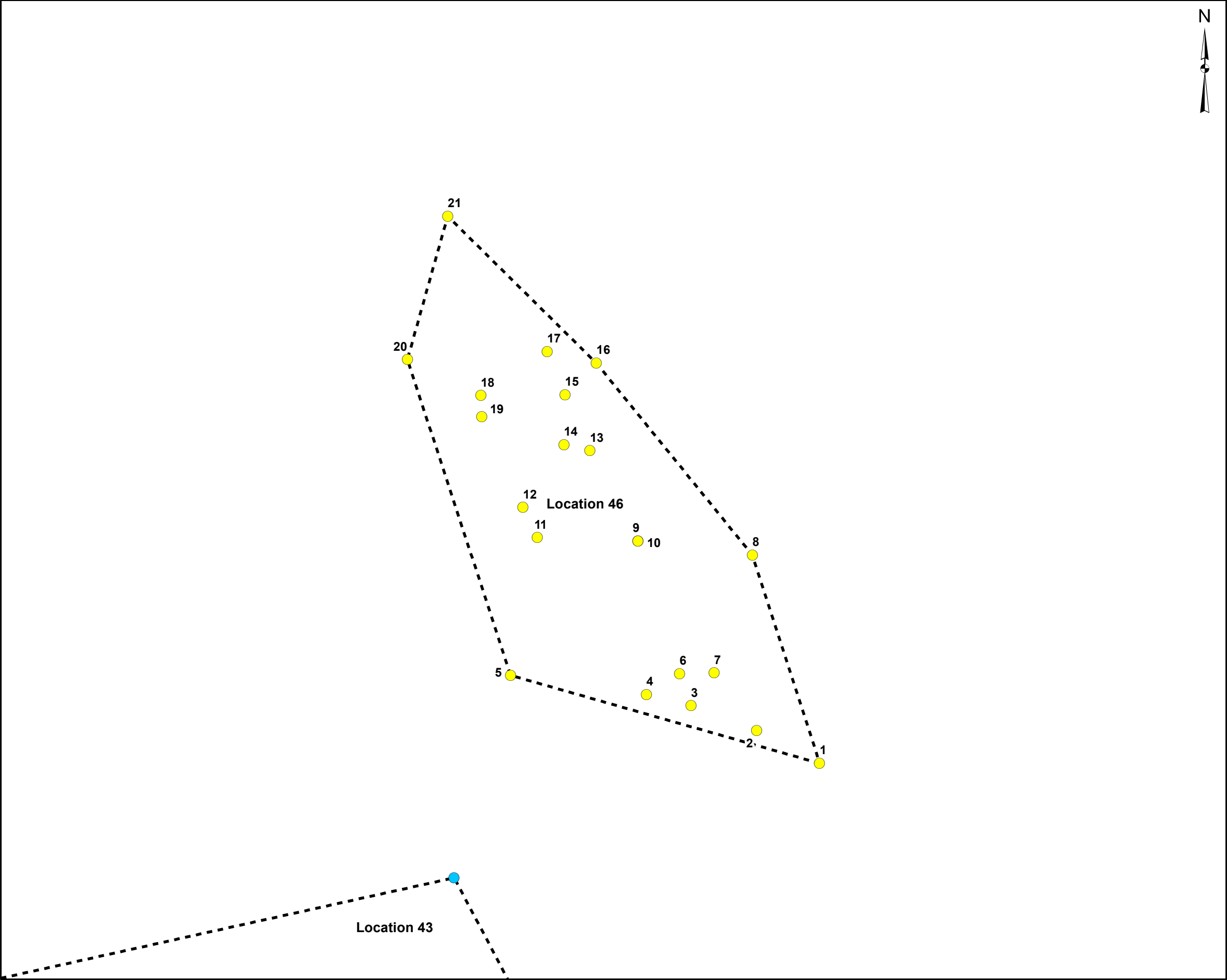
Base Data - MNR LIO, obtained 2013
Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg
Produced by Golder Associates Ltd under licence from
Ontario Ministry of Natural Resources, © Queens Printer 2013
Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N



PROJECT			
NYON ENERGY PARK			
TITLE			
STAGE 2			
ARCHAEOLOGICAL PROPERTY ASSESSMENT:			
NYON ENERGY PARK LOCATION 45			
PROJECT NO. 11-1154-0075		SCALE AS SHOWN	REV. 0.0
DESIGN	JMC	30 Jul. 2014	MAP 48
GIS	JMC	21 Nov. 2014	
CHECK	SM	21 Nov. 2014	
REVIEW	SM	21 Nov. 2014	

Golder Associates
Mississauga, Ontario

G:\Projects\2011\11-1154-0075_Archaeology\GIS\MXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd



LEGEND

Collected Artifacts

Non-Collected Artifacts

Disturbed Test Pit (Eastern Historic Structure)

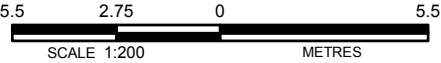
Landmark

Scatter Area

Property Boundary

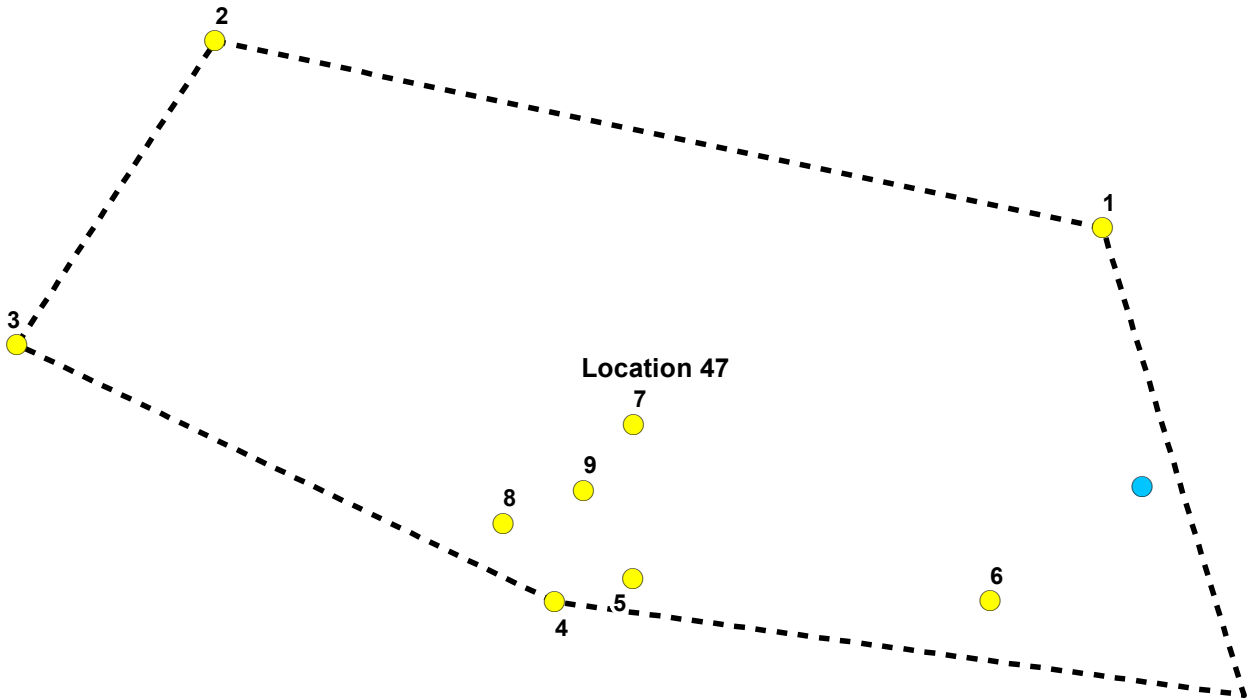
REFERENCE

Base Data - MNR LIO, obtained 2013
Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg
Produced by Golder Associates Ltd under licence from
Ontario Ministry of Natural Resources, © Queens Printer 2013
Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N



PROJECT			
NYON ENERGY PARK			
TITLE			
STAGE 2 ARCHAEOLOGICAL PROPERTY ASSESSMENT: NYON ENERGY PARK LOCATION 46			
 Mississauga, Ontario	PROJECT NO. 11-1154-0075		SCALE AS SHOWN
	DESIGN	JMC	30 Jul. 2014
	GIS	JMC	21 Nov. 2014
	CHECK	SM	21 Nov. 2014
	REVIEW	SM	21 Nov. 2014
			MAP 49

G:\Projects\2011\11-1154-0075_Archaeology\GIS\MXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd



LEGEND

Collected Artifacts

Non-Collected Artifacts

Disturbed Test Pit (Eastern Historic Structure)

Landmark

Scatter Area

Property Boundary

REFERENCE

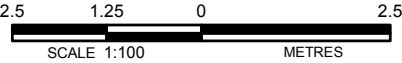
Base Data - MNR LIO, obtained 2013

Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg

Produced by Golder Associates Ltd under licence from

Ontario Ministry of Natural Resources, © Queens Printer 2013

Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N



PROJECT

NYON ENERGY PARK

TITLE

STAGE 2
ARCHAEOLOGICAL PROPERTY ASSESSMENT:
NYON ENERGY PARK LOCATION 47

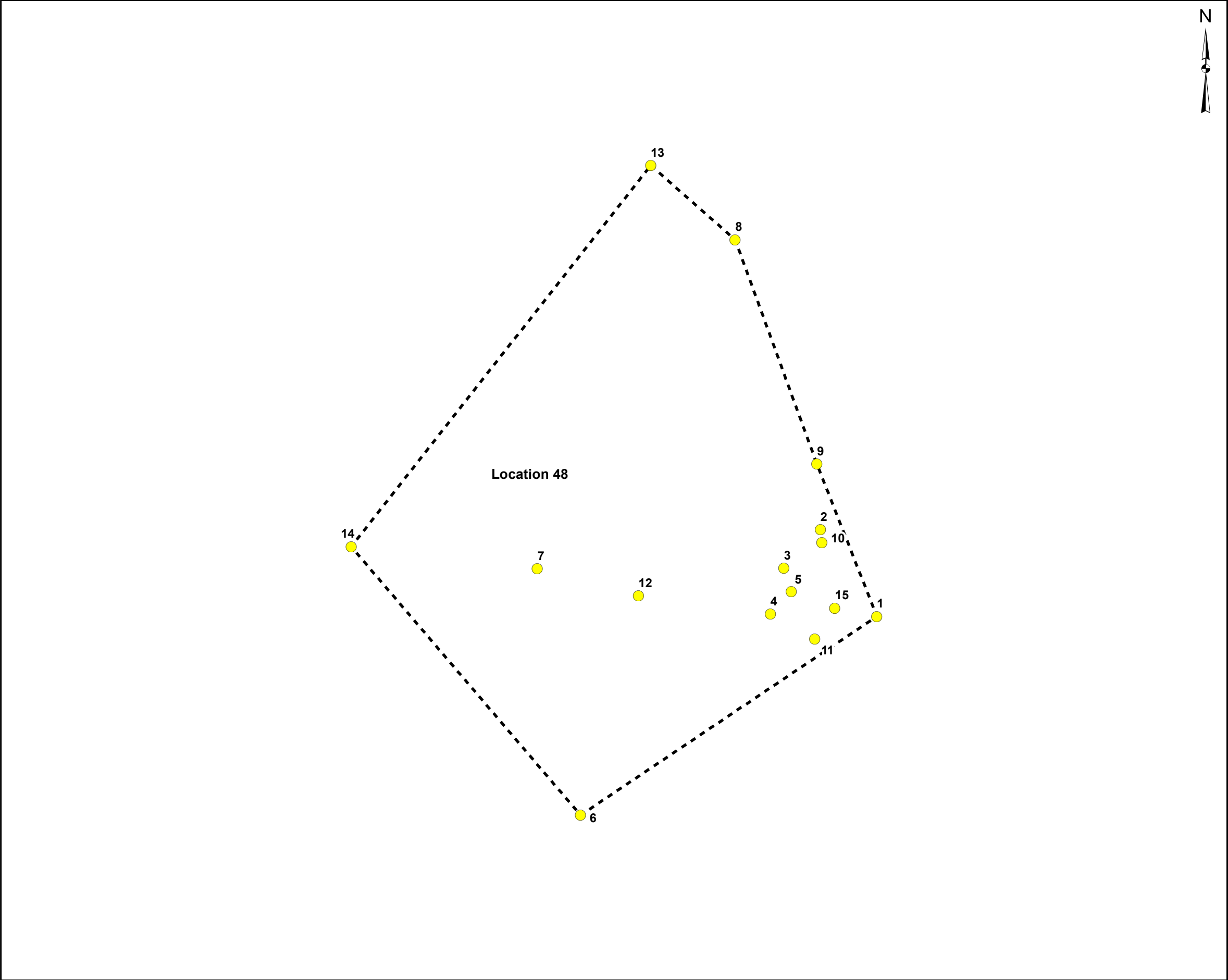
Golder Associates

Mississauga, Ontario

PROJECT NO. 11-1154-0075			SCALE AS SHOWN	REV. 0.0
DESIGN	JMC	30 Jul. 2014		
GIS	JMC	21 Nov. 2014		
CHECK	SM	21 Nov. 2014		
REVIEW	SM	21 Nov. 2014		

MAP 50

G:\Projects\2011\11-1154-0075_Archaeology\GISMXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd



LEGEND

Collected Artifacts

Non-Collected Artifacts

Disturbed Test Pit (Eastern Historic Structure)

Landmark

Scatter Area

Property Boundary

REFERENCE

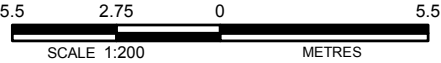
Base Data - MNR LIO, obtained 2013

Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg

Produced by Golder Associates Ltd under licence from

Ontario Ministry of Natural Resources, © Queens Printer 2013

Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N



PROJECT

NYON ENERGY PARK

TITLE

STAGE 2
ARCHAEOLOGICAL PROPERTY ASSESSMENT:
NYON ENERGY PARK LOCATION 48

Golder Associates

Mississauga, Ontario

PROJECT NO. 11-1154-0075			SCALE AS SHOWN	REV. 0.0
DESIGN	JMC	30 Jul. 2014		
GIS	JMC	21 Nov. 2014		
CHECK	SM	21 Nov. 2014		
REVIEW	SM	21 Nov. 2014		

MAP 51

G:\Projects\2011\11-1154-0075_Archaeology\GIS\MXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd

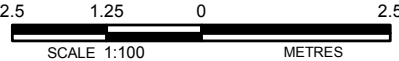


- LEGEND**
- Collected Artifacts
 - Non-Collected Artifacts
 - Disturbed Test Pit (Eastern Historic Structure)
 - Landmark
 - ▤ Scatter Area
 - ▤ Property Boundary

1 ● Location 49 ● 2

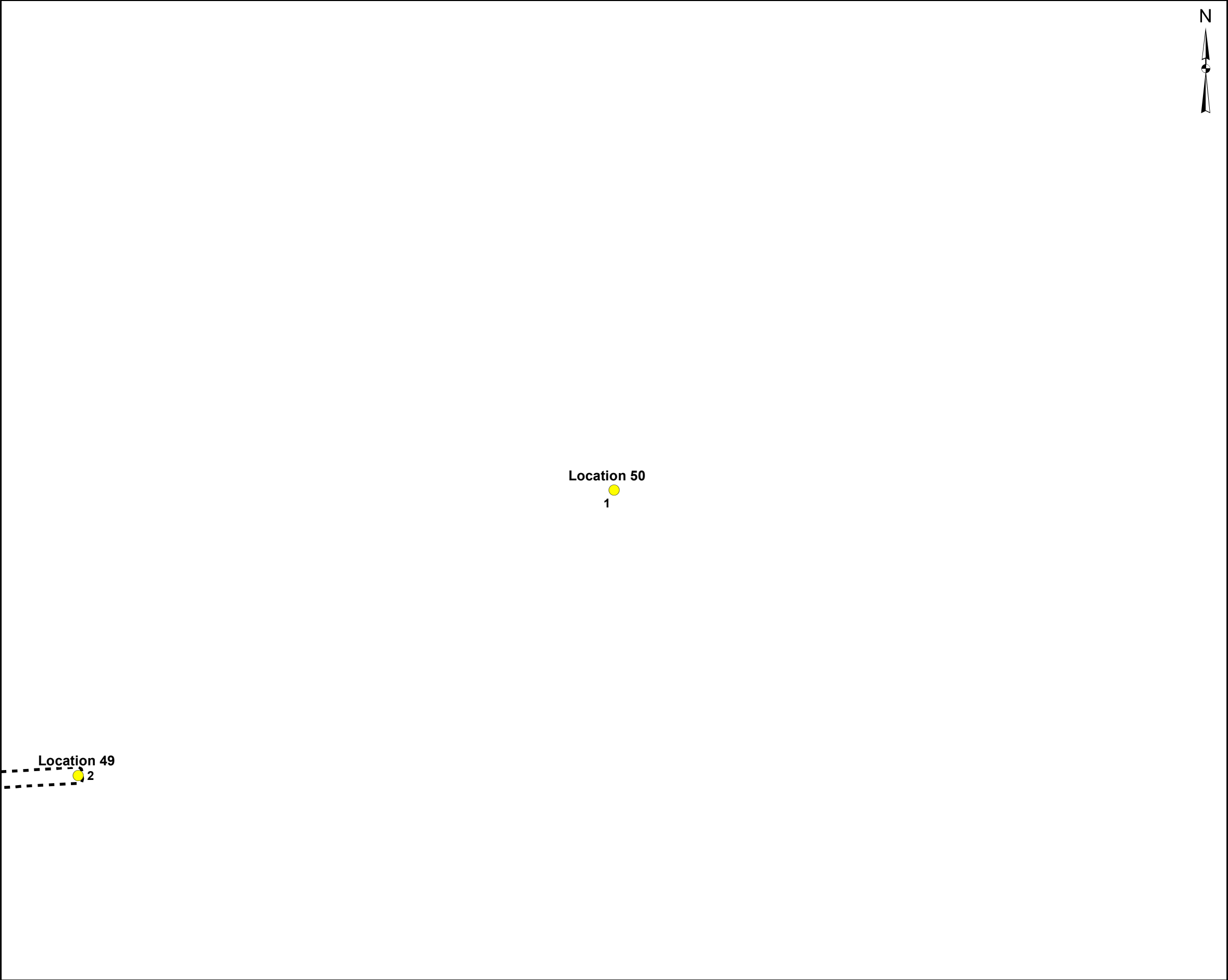
REFERENCE

Base Data - MNR LIO, obtained 2013
Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg
Produced by Golder Associates Ltd under licence from
Ontario Ministry of Natural Resources, © Queens Printer 2013
Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N



PROJECT		NYON ENERGY PARK			
TITLE		STAGE 2 ARCHAEOLOGICAL PROPERTY ASSESSMENT: NYON ENERGY PARK LOCATION 49			
 Mississauga, Ontario	PROJECT NO. 11-1154-0075		SCALE AS SHOWN		REV. 0.0
	DESIGN	JMC	30 Jul. 2014	MAP 52	
	GIS	JMC	21 Nov. 2014		
	CHECK	SM	21 Nov. 2014		
	REVIEW	SM	21 Nov. 2014		

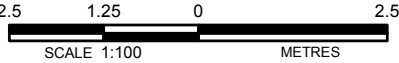
G:\Projects\2011\11-1154-0075_Archaeology\GIS\MXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd



- LEGEND**
- Collected Artifacts
 - Non-Collected Artifacts
 - Disturbed Test Pit (Eastern Historic Structure)
 - Landmark
 - ▤ Scatter Area
 - ▤ Property Boundary

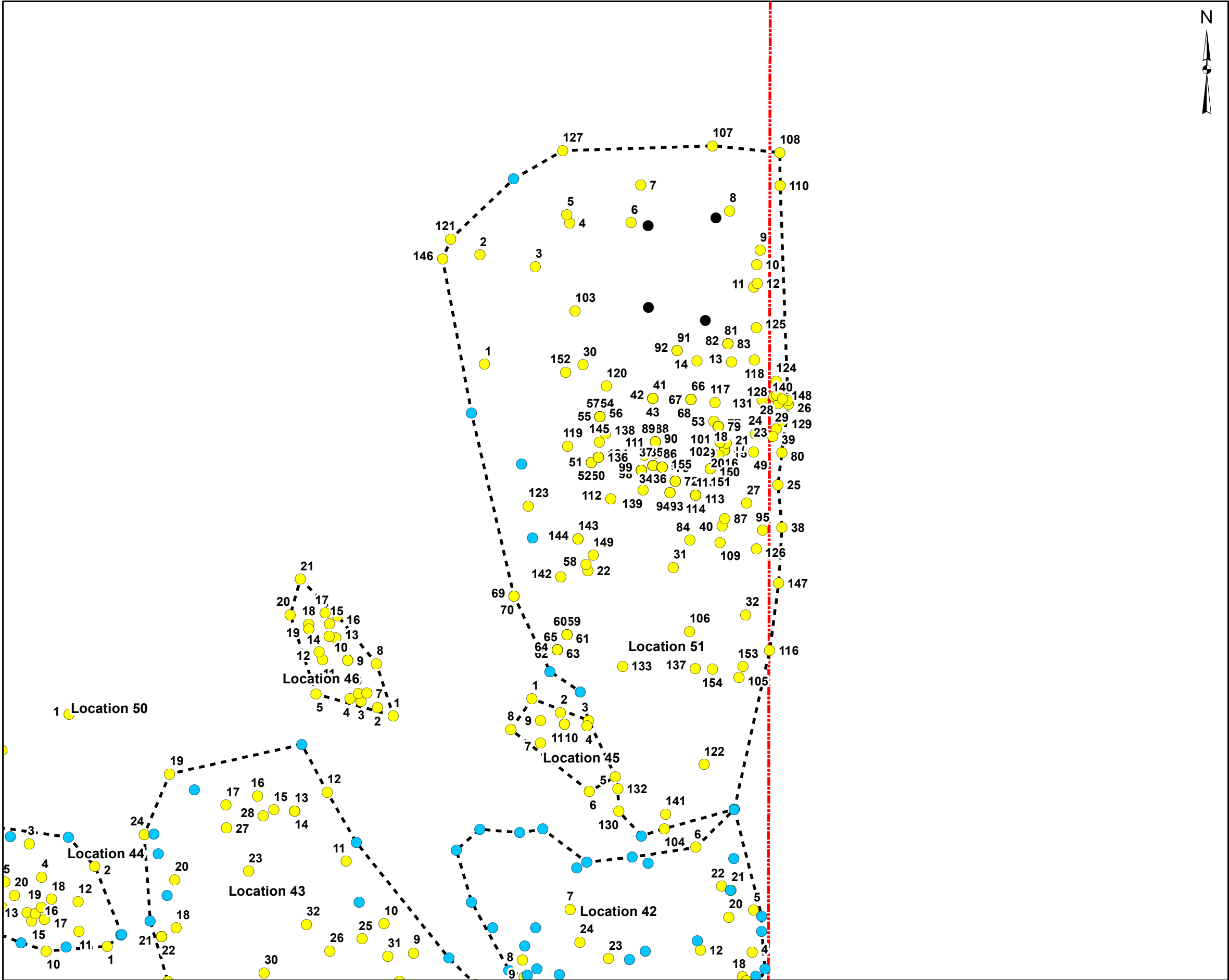
REFERENCE

Base Data - MNR LIO, obtained 2013
Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg
Produced by Golder Associates Ltd under licence from
Ontario Ministry of Natural Resources, © Queens Printer 2013
Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N



PROJECT		NYON ENERGY PARK			
TITLE		STAGE 2 ARCHAEOLOGICAL PROPERTY ASSESSMENT: NYON ENERGY PARK LOCATION 50			
 Mississauga, Ontario	PROJECT NO. 11-1154-0075			SCALE AS SHOWN	REV. 0.0
	DESIGN	JMC	30 Jul. 2014	MAP 53	
	GIS	JMC	21 Nov. 2014		
	CHECK	SM	21 Nov. 2014		
	REVIEW	SM	21 Nov. 2014		

G:\Projects\2011\11-1154-0075_Archaeology\GIS\MXDs\Reporting\Archaeology\Stage2\Stage2ArchaeologicalPropertyAssessment.mxd

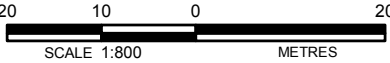


LEGEND

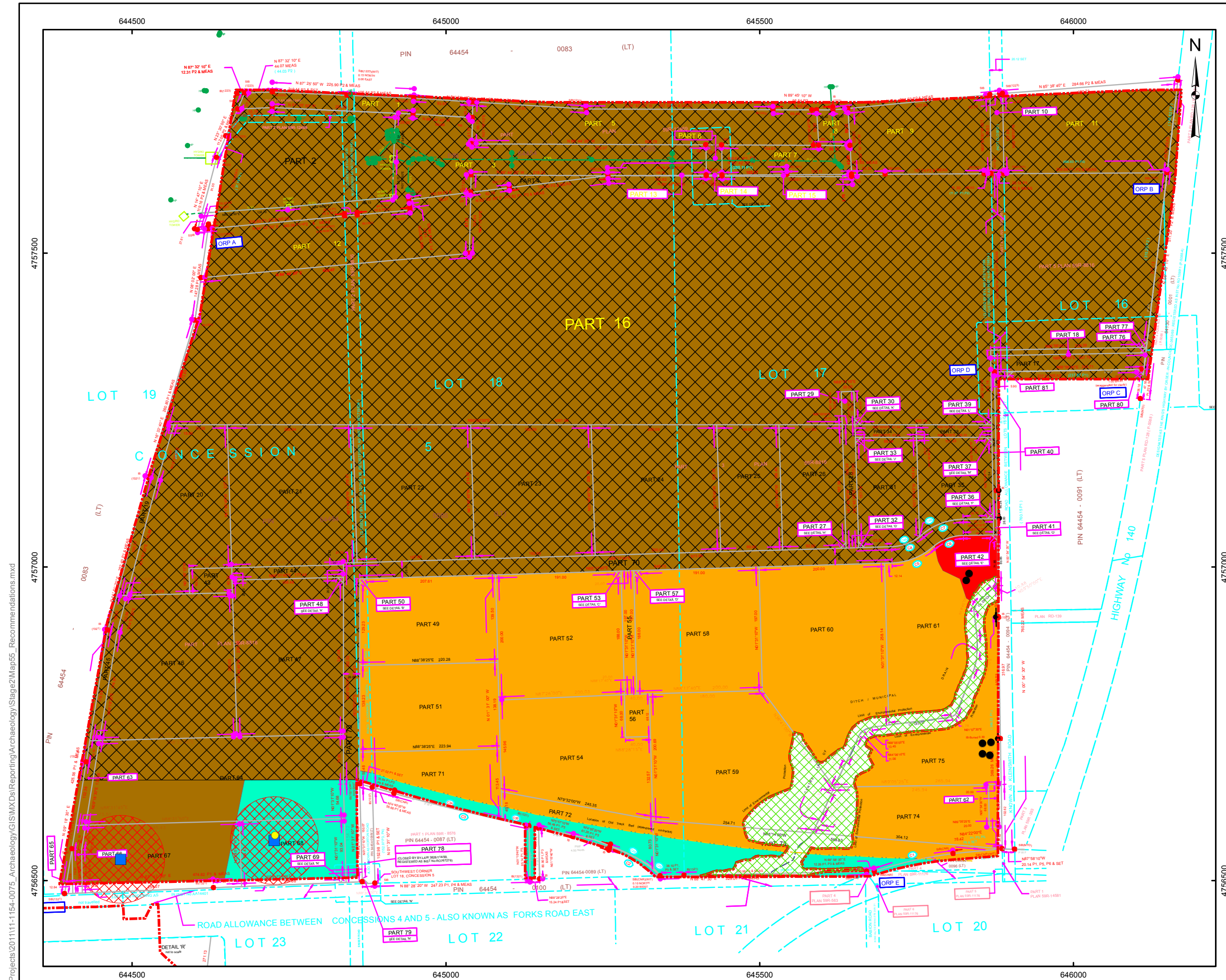
- Collected Artifacts
- Non-Collected Artifacts
- Disturbed Test Pit (Eastern Historic Structure)
- Landmark
- Scatter Area
- Property Boundary

REFERENCE

Base Data - MNR LIO, obtained 2013
 Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg
 Produced by Golder Associates Ltd under licence from
 Ontario Ministry of Natural Resources, © Queens Printer 2013
 Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N



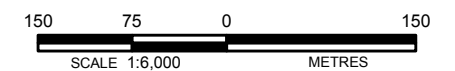
PROJECT			
NYON ENERGY PARK			
TITLE			
STAGE 2			
ARCHAEOLOGICAL PROPERTY ASSESSMENT:			
NYON ENERGY PARK LOCATION 51			
 Mississauga, Ontario	PROJECT NO. 11-1154-0075		SCALE AS SHOWN
	DESIGN	JMC	30 Jul. 2014
	GIS	JMC	21 Nov. 2014
	CHECK	SM	21 Nov. 2014
	REVIEW	SM	21 Nov. 2014
MAP 54			



- ## LEGEND
-
-  Disturbed Test Pit (Eastern Historic Structure)
 -  Landmark
 -  Estimated Location of House Structure as Seen on 1876 Map
 -  Property Boundary
 -  Environmental Protection Zone
 -  Area of No Further Archaeological Concern (Golder 2012), Not Assessed
 -  Pedestrian Survey Assessed at 5m Intervals (see Sites Recommended in Supplementary Documentation, Map A)
 -  Soil Fill Tailings, Not Assessed
 -  Test Pit Survey Assessed at 5m Intervals (Stage 3 Not Recommended)
 -  Test Pit Survey Assessed at 5m Intervals (Stage 3 Recommended)
 -  70m Construction Monitoring Zone (Stage 2 Construction Monitoring Required During Any Future Proposed Disturbance)

REFERENCE

Base Data - MNR LIO, obtained 2013
 Site Plan - 4F004_Site A_Detailed R-Plan_GABE - 2010.dwg
 Produced by Golder Associates Ltd under licence from
 Ontario Ministry of Natural Resources, © Queens Printer 2013
 Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N



PROJECT

NYON ENERGY PARK

TITLE

RECOMMENDATIONS

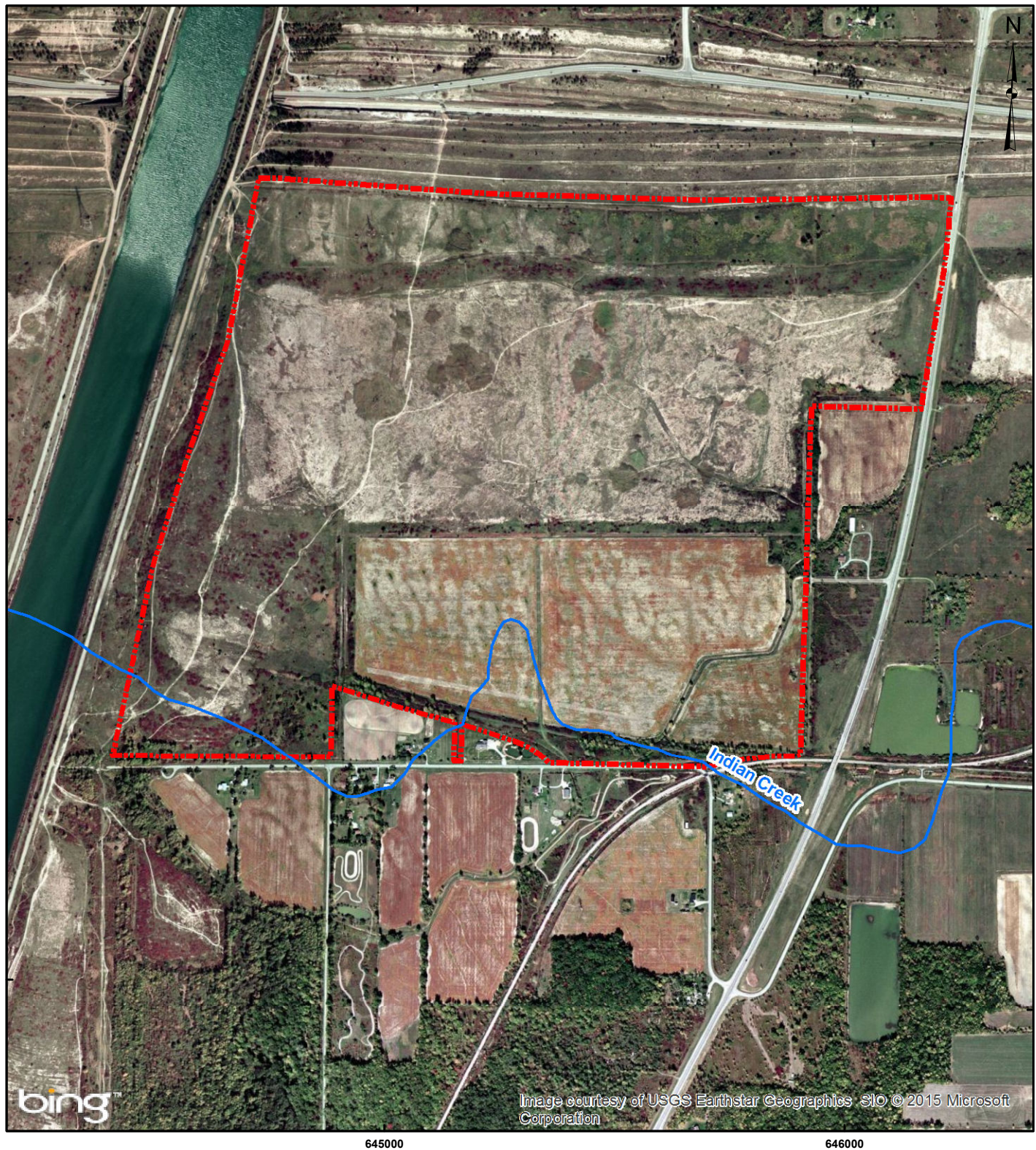


Golder Associates
Mississauga, Ontario

PROJECT NO. 11-1154-0075		
DESIGN	JMC	30 Jul. 2014
GIS	JMC	20 Jan. 2015
CHECK	SM	20 Jan. 2015
REVIEW	SM	20 Jan. 2015

SCALE AS SHOWN	REV. 0.0
----------------	----------

MAP 55



LEGEND

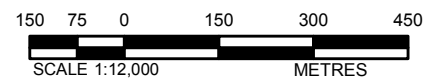
- 1876 Watercourse
- - - Property Boundary

NOTES:

Page, H.R. 1876 Illustrated Historical Atlas of the Counties of Lincoln and Welland, Ont. H.R. Page, Toronto

REFERENCE

Produced by Golder Associates Ltd under licence from
Ontario Ministry of Natural Resources, © Queens Printer 2012
Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17N



PROJECT

NYON ENERGY PARK

TITLE

HISTORICAL WATERCOURSE



PROJECT NO.	11-1154-0075	SCALE AS SHOWN	REV. 0.0
DESIGN	JMC 30 Jul. 2014		
GIS	JMC 11 June. 2015		
CHECK	SM 11 June. 2015		
REVIEW	SM 11 June. 2015		

MAP 56



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Report Signature Page

GOLDER ASSOCIATES LTD.

Scott W. J. Martin, Ph.D.
Project Archaeologist

Carla A. Parslow, Ph.D.
Associate, Senior Archaeologist

KP/MT/BL/PP/SWJM/CAP/slm

Golder, Golder Associates and the GA globe design are trademarks of Golder Associates Corporation.

\\golder.gds\gal\mississauga\active\2011\1151\11-1154-0075 mmm - stage 1 - port colborne\phase 2000 - stage 2\stage 2 report\revised\p346-0022-2013_15jun2015_rr.docx



APPENDIX A

Glossary of Terms and Definitions



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Chipped lithic tools and debitage (chipping detritus) were found at the site (or sites) described in this report. Some of the more common chert types found on pre-contact Aboriginal sites in southern Ontario are described below.

Ancaster chert: a moderate quality raw material that outcrops from the Lockport Formation near Hamilton and Ancaster, with secondary deposits in glacial till as far east as Grimsby (Eley and von Bitter 1989).

Haldimand chert: a relatively high quality raw material found within the Bois Blanc Formation which underlies the Onondaga Formation in the Onondaga Escarpment between Dunnville and Hagersville (Eley and von Bitter 1989; Fox 2009; Telford and Tarrant 1975).

Kettle Point chert: a relatively high quality raw material found within the Upper Devonian age Kettle Point Formation that outcrops between Kettle Point and Ipperwash, on Lake Huron. Currently, Kettle Point occurs as submerged outcrops extending for approximately 1,350 metres into Lake Huron. Secondary deposits of Kettle Point chert have been reported in Essex County and in the Ausable River watershed (Eley and von Bitter 1989; Fox 2009:362).

Onondaga chert: a high quality raw material found within the Onondaga Formation that outcrops along the north shore of Lake Erie west of the mouth of the Grand River as far west as Nanticoke, east of the mouth of the Grand River as far east as Fort Erie, and along the Onondaga Escarpment between Cayuga and Hagersville (Telford and Tarrant 1975). This material can also be recovered from secondary, glacial deposits across much of southwestern Ontario, east of Chatham (Eley and von Bitter 1989; Fox 2009:361-362).

Selkirk chert: a moderate to relatively high quality raw material that occurs within the Dundee Formation; it outcrops along Sandusk Creek and its tributaries just west of the village of Selkirk (Telford and Tarrant 1975). The chert ranges in colour from mottled or banded grey to a predominantly brown colour, the latter of which being of relatively more vitreous fabric than the former. Its distribution as a secondary source material is similar to Onondaga chert and it is frequently encountered as far west as the Chatham area (Eley and von Bitter 1989; Fox 2009:362).

Non-chert: some materials other than chert were occasionally used for the manufacture of chipped tools, and consequently some pieces of non-chert detritus may occur on some sites. Materials in the non-chert category may include quartzite, quartz-like materials, schist and slate or shale.

All chert types discussed herein were identified visually by comparison to reference materials located in Golder's London, Mississauga and/or St. Catharines offices. The flake assemblage was subject to morphological analysis following the classification scheme described by Lennox et al. (1986) and expanded upon by Fisher (1997), with the exception that no attempt was made to distinguish "primary" from "primary bipolar" flakes.

With reference to the analysis of lithic debitage, the following overview provides descriptions of the various types of cores and detritus commonly found on pre-contact Aboriginal sites.

Cores: Pieces of stone (usually chert) from which flakes or blades have been removed. A core may be uni-facetted (flake removed from one surface or edge only) or multi-facetted (flakes removed from two or more surfaces or edges. A core may retain a segment of its exterior, weathered surface.



Primary Flakes: are by-products of the initial stages of the reduction of lithic material, they are derived from cores and are generally attributed to direct hard hammer percussion. Primary flakes may exhibit a large cortical striking platform. This platform may appear on an otherwise unmodified flake scar or a crushed flake margin. Where measureable the striking platform – ventral surface angle is approximately 90 degrees, usually unfacetted and large. Ventral surface attributes are usually well pronounced while the dorsal surface consists of 50-100% cortex, implying little or no modification of the core prior to the removal of the primary flake.

Secondary Flakes: are generally large, although smaller and thinner than primary flakes. They have a diffuse bulb of percussion and the striking platform is unfacetted and has an angle of approximately 90 degrees. The dorsal surface has up to 50% cortex present and usually bears the negative attributes of previous primary flake removals or remnants of the cortical chert nodule surface.

Tertiary Flakes: usually lack any traces of cortical surface and thus represent an advanced stage in the reduction sequence. They are thought to be the result of shaping and thinning bifaces by percussion or pressure flaking and can be sub-categorized into three classes. For the purpose of license report analysis Golder Associates do not segregate the three subtypes of tertiary flakes.

- 1) Initial tertiary flakes are removed after primary and secondary flakes, and are associated with the core reduction process. They typically have little or no cortical surface with dorsal scars that are large and are few in number. Striking platforms are large, unprepared, with angles of approximately 90 degrees.
- 2) Biface thinning tertiary flakes are smaller and much thinner than initial flakes, being produced in the thinning and shaping stage of biface manufacture. Platforms range from small and multi-facetted to large and “pseudo” facetted and surfaces can be prepared by grinding. The platform angle is acute, usually ranging from 40 to 65 degrees and can form a ventrally overhanging lip.
- 3) Biface retouch tertiary flakes include small retouch flakes produced by manufacture and rejuvenation of a biface. They have an acute platform angle, usually an abraded platform, an overhanging lip and a diffuse or undetectable bulb of force. These flakes are small and generally only recovered from flotation samples.

*Note: facetting is thought to be the result of the flintknapper attempting to provide a striking angle or thicker pre-form edge suitable for the detachment of the flake (Ellis 1979:48).

Shatter: Usually consists of thick, blocky pieces of chert which lack striking platforms and ventral flake surface attributes. This category of debitage is thought to be a by-product of the initial stages of reduction through the uncontrolled breakage of the raw material along structural faults or irregularities. They commonly result from the use of horizontally and vertically flawed material, these flaws apparently a result of stresses occurring to the material while still within its primary deposit. A relatively high incidence of shatter is usually associated with the bipolar reduction strategy.

Broken: While proximal flake fragments can usually be assigned to one of the above categories, distal flake fragments (pieces that are broken or snapped) are simply tabulated under the debitage class of broken flake.

Micro: Very small broken flakes are classed as micro flakes, less than 3mm in size. These flakes are small and generally only recovered from flotation samples. This flake category does not appear to have wide-spread usage and its specific origins are unclear.



Microdebitage: This term is employed here to refer to those lithic items that are smaller than 2mm and larger than 0.6mm that have been recovered from soil samples when the frequency of these items has only been estimated and not formally identified or analysed to flake category, reduction stage or flake type (see also Dunnell and Stein 1989, Fladmark 1982; Sonnenburg 2010).

Notching Flake: A flake removed from a tool, such as from the corner or side of a projectile point, in order to achieve haft element mounting for binding the tool to a shaft or helve (see Andrefsky 2005:77; MacDonald et al. 2007:74, 76; Whittaker 1994:149-150).

Potlid: The 'flake' or fractured chert fragment that is removed from a siliceous lithic item through differential contraction and expansion usually through uncontrolled heating or burning. The fragment is convex on its ventral side and exhibits no platform (see Andrefsky 2005:260; MacDonald et al. 2007:75, 76; Whittaker 1994:73-74). Potlids are usually only recovered in flotation samples.

The following glossary defines some of the terms for some of the formal and informal chipped lithic tools from the sites discussed in this report. All of the definitions are derived from reputable online sources such as www.archaeologywordsmith.com and www.wvculture.org/shpo/glossary.html.

Artifact: "any object made, modified or used by people".

Biface: "a stone tool which has been flaked on both surfaces or sides"; frequently made as roughed-out blanks or preforms intended for further reduction into finished tools such as projectile points or knives.

Burin: "from the French word *burin*, meaning cold chisel. A specialized engraving tool ... that is cut or ground [or flaked] diagonally downward to form a diamond-shaped point at the tip... In its most characteristic form, the working tip is a narrow transverse edge formed by the intersection of two flake scars produced by striking at an angle to the main axis of the blade... Burins were used to carve or engrave organic or softer materials such as antler, bone... or wood".

Debitage/Detritus: "the by-products or waste materials left over from the manufacture of stone tools".

Diagnostic artifact: "an item that is indicative of a particular time period or cultural group".

Drill: "a tool used to drill holes through or into wood, stone or bone".

Graver: "a stone tool manufactured from a flake by chipping (pressure-flaking) it on two edges at one end so as to leave a sharp point. Gravers were used to cut or score organic materials such as bone, shell, wood and antler; perhaps for punching leather, and other purposes".

Lithic: "stone, or made of stone".

Knife: a purposefully formed cutting tool.

Perforator: "a flint [chert] tool for piercing holes", or, "a small chipped stone implement with a rather long and slender point and usually a broad base, supposed to have been used for drilling or boring holes". Perforators are sometimes referred to as borers.

Projectile point: "a general term for points [usually stone] that were hafted to darts, spears or arrows"; commonly referred to as either spearhead or arrowhead.



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Retouched flake: “a flake that has had small flakes removed to blunt, sharpen, refine the outline or prepare the edge of the tool”.

Scraper: a stone tool formed by chipping [flaking] the end or side of a flake which can then be used to scrape animal hides or wood.

Spokeshave: “a stone tool with a semi-circular concavity on the edge, used for smoothing spear or arrow shafts; a drawknife or small transverse plane for planing convex surfaces”.

Utilized flake: “a piece of stone debitage that is used for cutting or slicing. The edge may be damaged from use, but not deliberately”.

Wedge: “an object used to split, force open or keep open another object; a tool used to split wood”.



APPENDIX B

Artifact Catalogues



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Gordon Baker Site (AfGt-202) Artifact Catalogue

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
Gordon Baker Site	1	surface	secondary flake	1	Onondaga		1	1
Gordon Baker Site	2	surface	body sherd	1	Aboriginal ceramic	cord-malleated or smoothed-over cord	1	2
Gordon Baker Site	3	surface	body sherd	1	Aboriginal ceramic	cord-malleated or smoothed-over cord	1	2
Gordon Baker Site	4	surface	body sherd	1	Aboriginal ceramic	smoothed-over or wiped ribbed paddle	1	3
Gordon Baker Site	5	surface	body sherd	1	Aboriginal ceramic	smoothed-over cord	1	3
Gordon Baker Site	6	surface	body sherd	1	Aboriginal ceramic	smoothed-over cord	1	3
Gordon Baker Site	7	surface	body sherd	1	Aboriginal ceramic	smoothed-over cord	1	3
Gordon Baker Site	8	surface	body sherd	1	Aboriginal ceramic	smoothed-over cord	1	3
Gordon Baker Site	9	surface	body sherd	1	Aboriginal ceramic	smoothed-over cord, possible encrustation	1	3
Gordon Baker Site	10	surface	body sherd	1	Aboriginal ceramic	smoothed-over cord	1	3
Gordon Baker Site	11	surface	body sherd	1	Aboriginal ceramic	smoothed-over cord	1	3
Gordon Baker Site	12	surface	body sherd	1	Aboriginal ceramic	smoothed-over cord, exfoliated wall	1	3
Gordon Baker Site	13	surface	body sherd	1	Aboriginal ceramic	smoothed-over cord	1	3
Gordon Baker Site	14	surface	body sherd	1	Aboriginal ceramic	smoothed-over cord	1	4



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
Gordon Baker Site	15	surface	tertiary flake	1	Onondaga		1	5
Gordon Baker Site	16	surface	drill	1	Onondaga	T-base, bifacial	1	6
Gordon Baker Site	17	surface	projectile point preform	1	Onondaga	Levanna or Glen Meyer Tanged or possibly Daniels or Madison preform, on large end of spectrum for latter two, apparent discard (failed to thin)	1	7
Gordon Baker Site	18	surface	body sherd	1	Aboriginal ceramic	cord-malleated	1	8
Gordon Baker Site	19	surface	retouched flake	1	Onondaga	secondary flake	1	9
Gordon Baker Site	20	surface	flake fragment	1	Onondaga	likely tertiary flake	1	10
Gordon Baker Site	21	surface	pipe stem	1	white ball clay	"MONT[REAL]"	1	11
Gordon Baker Site	22	surface	projectile point	1	Onondaga	possible Port Maitland, tip missing, possible Nanticoke Notched with incomplete notching	1	12
Gordon Baker Site	23	surface	flake fragment	1	Onondaga	possible tertiary flake	1	13



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
Gordon Baker Site	24	surface	retouched flake	1	Onondaga	flake fragment, likely secondary flake, retouch appears to reflect possible haft element, while at least one lateral edge is utilized	1	14
Gordon Baker Site	25	surface	spokeshave	1	Onondaga	secondary flake, possible haft element	1	15
Gordon Baker Site	26	surface	combination tool	1	Onondaga	flake fragment, likely secondary flake, spokeshave, utilized laterals, possible graver spur or micro end scraper	1	16
Gordon Baker Site	27	surface	flake fragment	1	Onondaga	likely secondary flake	1	17
Gordon Baker Site	28	surface	tertiary flake	1	burnt Onondaga	flake of retouch	1	18
Gordon Baker Site	29	surface	metal, miscellaneous	1	iron	two-piece mend, rusted iron	1	19
Gordon Baker Site	30	surface	coarse red earthenware	1		white glaze (internal), brown glaze (external)	1	20
Gordon Baker Site	31	surface	secondary flake	1	Onondaga		1	21
Gordon Baker Site	32	surface	secondary flake	1	Onondaga		1	22
Gordon Baker Site	33	surface	retouched flake	1	Onondaga	secondary flake	1	23



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
Gordon Baker Site	34	surface	notched flake	1	Onondaga	flake fragment, likely tertiary flake, may simply be retouched flake, but appears corner-notched, perhaps haft element, tip missing	1	24
Gordon Baker Site	35	surface	retouched flake	1	Onondaga	flake fragment, likely tertiary flake	1	25
Gordon Baker Site	36	surface	utilized flake	1	Onondaga	tertiary flake	1	26
Gordon Baker Site	37	surface	perforator	1	Onondaga	secondary flake	1	27
Gordon Baker Site	38	surface	utilized flake	1	burnt Onondaga	flake fragment, possible tertiary flake	1	28
Gordon Baker Site	39	surface	utilized flake	1	Onondaga	secondary flake	1	29
Gordon Baker Site	40	surface	utilized flake	1	Onondaga	tertiary flake	1	30

Nyon Energy Park Location 2 Artifact Catalogue

Location	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
2	1	surface	pearlware, painted	1	pearlware	early palette polychrome floral (1795-1820)	1	16
2	2	surface	refined white earthenware, plain	1	refined white earthenware	flatware base fragment	1	17
2	3	surface	recent material	1	porcelain	modern porcelain plumbing fragment	1	21



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Location	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
2	4	surface	pearlware, banded	1	pearlware	blue slip banded	1	12
2	5	surface	coarse earthenware, red	1	coarse earthenware	red salt glazed	1	2
2	6	surface	white clay pipe, bowl	1	clay	bowl fragment with incised lines on exterior	1	11
2	7	surface	vitrified white earthenware, plain	1	vitrified white earthenware		1	24
2	8	surface	yellowware, plain	1	yellowware		1	23
2	9	surface	glass, bottle	1	glass	emerald base, three piece mold with inscription (1821 and later)	1	1
2	10	surface	refined white earthenware, stamped	1	refined white earthenware	green geometric sponge stamped	1	4
2	11	surface	refined white earthenware, transfer print	1	refined white earthenware	blue floral and dots, rim fragment	1	14
2	12	surface	flake fragment	1	Haldimand	possibly secondary	1	8
2	13	surface	utilized flake	1	Onondaga	flake fragment, likely primary flake	1	9
2	14	surface	core	1	Onondaga	multidirectional	1	22
2	15	surface	refined white earthenware, plain	1	refined white earthenware	burned	1	6
2	16	surface	refined white earthenware, tile	1	refined white earthenware	corner of floor tile, cream glaze on exterior	1	10
2	17	surface	refined white earthenware, plain	1	refined white earthenware	flatware base fragment	1	13
2	18	surface	refined white earthenware, plain	1	refined white earthenware		1	20



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Location	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
2	19	surface	stoneware, plain	1	stoneware	grey paste, dark lead glaze on one side	1	7
2	20	surface	refined white earthenware, plain	1	refined white earthenware	burned	1	15
2	21	surface	creamware, banded	1	creamware	dark blue slip banded rim fragment	1	5
2	22	surface	yellowware, plain	1	yellowware		1	3
2	23	surface	pearlware, painted	1	pearlware	late palette polychrome floral (1830-1840)	1	19
2	24	surface	pearlware, painted	1	pearlware	early palette blue floral (1795-1820)	1	25
2	25	surface	refined white earthenware, plain	1	refined white earthenware		1	18
2	26	surface	refined white earthenware, plain	1	refined white earthenware		1	57
2	27	surface	vitified white earthenware, plain	1	vitified white earthenware		1	58
2	28	surface	ironstone, transfer print	1	ironstone	late decal print, polychrome floral and decorative border, rim fragment	1	26a
2	29	surface	ironstone, transfer print	1	ironstone	late decal print, polychrome floral and decorative border, rim fragment	1	28
2	30	surface	vitified white earthenware, painted	1	vitified white earthenware	pastel green and blue	1	39
2	31	surface	vitified white earthenware, plain	1	vitified white earthenware	cup fragment	1	39
2	32	surface	creamware, moulded	1	creamware	ridged	1	41



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Location	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
2	33	surface	refined white earthenware, plain	1	refined white earthenware		1	45
2	34	surface	refined white earthenware, transfer print	1	refined white earthenware	blue floral on both sides	1	72
2	35	surface	yellowware, plain	1	yellowware		1	42
2	36	surface	refined white earthenware, plain	1	refined white earthenware		1	44
2	37	surface	vitrified white earthenware, plain	1	vitrified white earthenware	flatware base fragment	1	37
2	38	surface	ironstone, transfer print	1	ironstone	late decal print, polychrome floral and decorative border, rim fragment	1	40
2	39	surface	refined white earthenware, plain	2	refined white earthenware		1	61
2	40	surface	ceramic, undetermined	1	earthenware	burned beyond recognition	1	46
2	41	surface	ironstone, moulded	1	ironstone	indeterminate motif	1	47
2	42	surface	ironstone, plain	1	ironstone		1	36
2	43	surface	ironstone, transfer print	1	ironstone	late decal print, polychrome floral and decorative border, rim fragment	1	55
2	44	surface	porcelain, plain	1	porcelain	low grade opaque	1	38
2	45	surface	ironstone, plain	1	ironstone	partial indeterminate maker's mark	1	16
2	46	surface	ironstone, plain	1	ironstone		1	71
2	47	surface	refined white earthenware, plain	1	refined white earthenware		1	31



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Location	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
2	48	surface	stoneware, plain	1	stoneware	dark reddish lead glaze, burnt	1	50
2	49	surface	glass, bottle	2	glass	one olive, one emerald	1	62
2	50	surface	yellowware, plain	1	yellowware		1	64
2	51	surface	coarse earthenware, red	1	coarse earthenware	dark lead and salt glazes, thick	1	34
2	52	surface	white clay pipe, stem	1	clay	incised lines and dots	1	56
2	53	surface	creamware, plain	1	creamware		1	59
2	54	surface	stoneware, salt glazed	1	stoneware	buff paste with white and brown glaze	1	69
2	55	surface	coarse earthenware, red	2	coarse earthenware	buff and red lead glaze	1	32
2	56	surface	ironstone, plain	1	ironstone		1	29
2	57	surface	vitrified white earthenware, plain	1	vitrified white earthenware		1	51
2	58	surface	secondary flake	1	Onondaga		1	60
2	59	surface	refined white earthenware, plain	1	refined white earthenware		1	26b
2	60	surface	refined white earthenware, sponged	1	refined white earthenware	blue	1	27
2	61	surface	ironstone, plain	1	ironstone	holloware fragment	1	68
2	62	surface	ironstone, plain	1	ironstone	flatware base fragment	1	74
2	63	surface	coarse earthenware, red	1	coarse earthenware	red lead glaze	1	74
2	64	surface	pearlware, moulded	1	pearlware	indeterminate motif, date range 1784-1840	1	74



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Location	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
2	65	surface	refined white earthenware, edged	1	refined white earthenware	green, indeterminate style	1	74
2	66	surface	coarse earthenware, red	1	coarse earthenware	dark lead glaze	1	70
2	67	surface	glass, bottle	1	glass	sun coloured amethyst	1	63
2	68	surface	refined white earthenware, plain	2	refined white earthenware		1	48
2	69	surface	porcelain, plain	2	porcelain	one holloware fragment, one plumbing fragment	1	43
2	70	surface	refined white earthenware, banded	1	refined white earthenware	brown and blue slip	1	66
2	71	surface	refined white earthenware, plain	1	refined white earthenware		1	73
2	72	surface	refined white earthenware, plain	1	refined white earthenware	partial indeterminate maker's mark in green	1	65
2	73	surface	stoneware, salt glazed	1	stoneware	buff salt glaze, brown lead glaze	1	54
2	74	surface	ironstone, moulded	1	ironstone	wheat motif	1	33
2	75	surface	ironstone, transfer print	1	ironstone	late decal print, polychrome floral and decorative border, rim fragment	1	35
2	76	surface	refined white earthenware, plain	2	refined white earthenware		1	35
2	77	surface	stoneware, salt glazed	1	stoneware	buff salt glaze, brown lead glaze	1	35
2	78	surface	glass, dish	1	glass	press moulded colourless foot of serving tray	1	35



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Location	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
2	79	surface	refined white earthenware, moulded	1	refined white earthenware	floral moulding	1	49
2	80	surface	refined white earthenware, plain	1	refined white earthenware		1	49
2	81	surface	ironstone, painted	1	ironstone	green	1	49
2	82	surface	vitrified white earthenware, transfer print	1	vitrified white earthenware	green and pink floral decal	1	52
2	83	surface	refined white earthenware, plain	2	refined white earthenware		1	67
2	84	surface	coarse earthenware, red	3	coarse earthenware	dark lead glazed	1	76
2	85	surface	ironstone, plain	1	ironstone		1	30
2	86	surface	pearlware, banded	1	pearlware	green rim of rouletted banded design	1	75
2	87	surface	stoneware, plain	1	stoneware	large dark lead glazed vessel rim	1	53
2	88	surface	glass, bottle	1	glass	large black body fragment	1	90
2	89	surface	glass, bottle	1	glass	1 aqua, 1 blue, 7 light green including free-blown kick up bottle base	1	91
2	90	surface	redware, plain	1	redware	teapot spout fragment	1	91
2	91	surface	glass, bottle	1	glass	aqua	1	102
2	92	surface	white clay pipe, stem	1	clay	undecorated	1	102
2	93	surface	pearlware, plain	2	pearlware		1	93
2	94	surface	pearlware, edged	1	pearlware	damaged indeterminate green scalloped	1	93



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Location	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
2	95	surface	white clay pipe, stem	1	clay	undecorated	1	93
2	96	surface	coarse earthenware, red	1	coarse earthenware	unglazed	1	93
2	97	surface	refined white earthenware, transfer print	2	refined white earthenware	blue	1	122
2	98	surface	refined white earthenware, painted	1	refined white earthenware	red stripe on rim, 'hotel ware'	1	122
2	99	surface	refined white earthenware, transfer print	1	refined white earthenware	blue floral	1	106
2	100	surface	ceramic, undetermined	1	white earthenware	burned white earthenware	1	106
2	101	surface	creamware, plain	1	creamware		1	106
2	102	surface	projectile point	1	burnt Onondaga	possible Kramer, barbs/shoulders and stem, tip missing.	1	79
2	103	surface	ceramic, undetermined	1	white earthenware	burned transfer print	1	105
2	104	surface	pearlware, banded	1	pearlware	engine turned orange and blue slip bands	1	105
2	105	surface	refined white earthenware, transfer print	1	refined white earthenware	blue filigree	1	120
2	106	surface	pearlware, painted	1	pearlware	blue	1	120
2	107	surface	pearlware, edged	2	pearlware	blue scalloped unimpressed, 1780-1840	1	116
2	108	surface	creamware, plain	1	creamware		1	116
2	109	surface	refined white earthenware, edged	1	refined white earthenware	green undetermined	1	115



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Location	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
2	110	surface	redware, plain	1	redware	teapot spout fragment	1	111
2	111	surface	refined white earthenware, plain	1	refined white earthenware		1	119
2	112	surface	pearlware, plain	1	pearlware		1	119
2	113	surface	pearlware, plain	2	pearlware		1	123
2	114	surface	refined white earthenware, plain	2	refined white earthenware		1	97
2	115	surface	refined white earthenware, plain	2	refined white earthenware		1	118
2	116	surface	pearlware, plain	2	pearlware		1	99
2	117	surface	refined white earthenware, plain	2	refined white earthenware		1	78
2	118	surface	creamware, plain	2	creamware		1	113
2	119	surface	pearlware, plain	1	pearlware		1	103
2	120	surface	refined white earthenware, plain	1	refined white earthenware		1	81
2	121	surface	refined white earthenware, edged	1	refined white earthenware	green indeterminate	1	124
2	122	surface	pearlware, edged	1	pearlware	blue scalloped impressed curved lines, 1795-1845	1	108
2	123	surface	pearlware, plain	1	pearlware		1	107
2	124	surface	pearlware, painted	1	pearlware	brown loops	1	94
2	125	surface	pearlware, plain	1	pearlware		1	92
2	126	surface	ironstone, plain	1	ironstone		1	84
2	127	surface	glass, bottle	1	glass	colourless with moulded letters	1	86



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Location	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
2	128	surface	pearlware, plain	1	pearlware		1	83
2	129	surface	pearlware, plain	1	pearlware		1	98
2	130	surface	vitified white earthenware, plain	1	vitified white earthenware		1	95
2	131	surface	pearlware, plain	1	pearlware		1	85
2	132	surface	coarse earthenware, red	1	coarse earthenware	dark lead glaze	1	82
2	133	surface	pearlware, plain	1	pearlware		1	96
2	134	surface	stoneware, plain	1	stoneware	cream and brown glaze, ink well fragment	1	88
2	135	surface	glass, bottle	1	glass	colourless base fragment, possible worked edge	1	101
2	136	surface	pearlware, sponged	1	pearlware	blue, 1770-1830	1	121
2	137	surface	ironstone, plain	1	ironstone		1	104
2	138	surface	refined white earthenware, edged	1	refined white earthenware	blue indeterminate	1	112
2	139	surface	pearlware, plain	1	pearlware		1	117
2	140	surface	pearlware, plain	1	pearlware		1	80
2	141	surface	redware, plain	1	redware	teapot fragment	1	110
2	142	surface	glass, window	1	glass	< 1.6 mm (pre 1850)	1	100
2	143	surface	button, bone	1	bone	one hole, 16.3 mm diameter, early to mid 19th century	1	77
2	144	surface	pearlware, painted	1	pearlware	blue	1	109



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Location	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
2	145	surface	coarse earthenware, red	1	coarse earthenware	mustard salt glaze	1	89
2	146	surface	refined white earthenware, plain	1	refined white earthenware		1	114
2	147	surface	stoneware, salt glazed	1	stoneware	red paste, red glaze	1	87
2	148	Test Pit #1	glass, dish	1	glass	aqua, press moulded	1	TP1
2	149	Test Pit #2	pearlware, banded	1	pearlware	blue slip	1	TP2
2	150	Test Pit #3	nail, cut	2	metal	heavily corroded	1	TP3
2	151	Test Pit #3	nail, wire drawn	2	metal	heavily corroded	1	TP3
2	152	Test Pit #3	glass, bottle	2	glass	1 colourless, 1 emerald	1	TP3
2	153	Test Pit #3	faunal remains	2	bone	long bone or rib cortex, mammalian	1	TP3
2	154	Test Pit #3	vitrified white earthenware, plain	1	vitrified white earthenware		1	TP3
2	155	Test Pit #3	ceramic, unidentified	3	ceramic	heavily burned and melted, possibly earthenware or tile	1	TP3
2	156	Test Pit #3	slag	1	slag		1	TP3
2	157	Test Pit #4	glass, bottle	2	glass	aqua	1	TP4
2	158	Test Pit #4	refined white earthenware, stamped	1	refined white earthenware	burned, blue floral stamps	1	TP4
2	159	Test Pit #5	nail, wire drawn	2	metal	heavily corroded	1	TP5
2	160	Test Pit #5	bullet shell casing	3	copper	0.22	1	TP5



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Location	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
2	161	Test Pit #5	ceramic, unidentified	1	ceramic	heavily burned and melted, possibly earthenware or tile	1	TP5
2	162	Test Pit #6	glass, bottle	2	glass	one colourless, one aqua	1	TP6
2	163	Test Pit #6	nail, unidentified	1	metal	heavily corroded	1	TP6
2	164	Test Pit #6	mortar	2	mortar		1	TP6
2	165	Test Pit #6	strap, metal	1	metal	heavily corroded fragment	1	TP6
2	166	Test Pit #6	vitrified white earthenware, transfer print	1	vitrified white earthenware	yellow and brown decal rim	1	TP6
2	167	Test Pit #6	refined white earthenware, plain	1	refined white earthenware		1	TP6
2	168	Test Pit#7	porcelain, transfer print	2	porcelain	delicate floral, low grade opaque	1	TP7
2	169	Test Pit#7	glass, bottle	5	glass	2 emerald, 1 aqua, 1 colourless, 1 sun coloured amethyst	1	TP7
2	170	Test Pit#7	nail, wire drawn	5	metal	heavily corroded	1	TP7
2	171	Test Pit#7	nail, undetermined	1	metal	heavily corroded	1	TP7
2	172	Test Pit#7	stoneware, plain	1	stoneware	dark lead glaze, buff paste	1	TP7
2	173	Test Pit#7	ceramic, unidentified	3	ceramic	heavily burned and melted, possibly earthenware or tile	1	TP7
2	174	Test Pit#7	bolt, metal	1	metal	large corroded metal bolt with square nut	1	TP7



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Location	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
2	175	Test Pit #8	ceramic, unidentified	15	ceramic	8 burnt white earthenware, 7 burnt possible tile or coarse earthenware	1	TP8
2	176	Test Pit #8	pearlware, plain	2	pearlware		1	TP8
2	177	Test Pit #8	refined white earthenware, plain	3	refined white earthenware		1	TP8
2	178	Test Pit #8	strap, metal	1	metal	heavily corroded	1	TP8
2	179	Test Pit #8	brick	3	brick	red	1	TP8
2	180	Test Pit #8	mortar	3	mortar		1	TP8
2	181	Test Pit #8	glass, window	1	glass	> 1.6 mm	1	TP8
2	182	Test Pit #8	faunal remains	1	bone	mammalian cranial bone fragment	1	TP8
2	183	Test Pit #8	glass, bottle	4	glass	3 colourless, 1 amber	1	TP8
2	184	Test Pit #8	nail, wire drawn	1	metal	heavily corroded	1	TP8
2	185	Test Pit #8	nail, undetermined	1	metal	heavily corroded	1	TP8
2	186	Test Pit #9	pearlware, painted	2	pearlware	sprig polychrome floral, late palette 1830-1840	1	TP9
2	187	Test Pit #9	pearlware, plain	2	pearlware		1	TP9

Nyon Energy Park Location 3 Artifact Catalogue

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
3	1	surface	refined white earthenware	1		blue sponged	1	1



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
3	2	surface	projectile point	1	Haldimand	Nanticoke Triangular, extreme tip missing	1	2
3	3	surface	utilized flake	1	Onondaga	likely tertiary flake	1	3
3	4	surface	flake fragment	1	Onondaga	likely secondary flake	1	3
3	5	surface	retouched flake	1	Onondaga	flake fragment, likely secondary flake	1	4
3	6	surface	projectile point	1	Onondaga	Lamoka Stemmed	1	5
3	7	surface	flake fragment	1	Onondaga	likely secondary flake	1	6
3	8	surface	utilized flake	1	burnt Onondaga	flake fragment, likely secondary flake	1	7
3	9	surface	drill	1	Onondaga	expanding base, one basal corner missing	1	8
3	10	surface	core	1	Onondaga	multidirectional	1	9
3	11	surface	flake fragment	1	Onondaga	likely secondary flake	1	10
3	12	surface	refined white earthenware	1		blue transfer printed	1	11
3	13	surface	refined white earthenware	1			1	12
3	14	surface	refined white earthenware	1		blue transfer printed	1	13
3	15	surface	refined white earthenware	1		painted magenta, blue floral	1	14
3	16	surface	retouched flake	1	Onondaga	secondary flake	1	15
3	17	surface	retouched flake	1	Onondaga	tertiary flake	1	16
3	18	surface	flake fragment	1	Onondaga	likely tertiary flake	1	16



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Nyon Energy Park Location 4A Artifact Catalogue

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
4A	1	surface	gunflint	1	Dover	blade type, edge fragment	1	1

Nyon Energy Park Location 4B Artifact Catalogue

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
4B	1	surface	tertiary flake	1	Onondaga		1	2

Nyon Energy Park Location 4C Artifact Catalogue

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
4C	1	surface	shotgun shell base	1	copper-plated iron	"CANUCK" Canada 12 gauge	1	3

Nyon Energy Park Location 5 Artifact Catalogue

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
5	1	surface	flake fragment	1	Onondaga		1	1
5	2	surface	tertiary flake	1	Onondaga		1	2
5	3	surface	tertiary flake	1	Onondaga		1	3
5	4	surface	core	1	Onondaga	multidirectional	1	4



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Nyon Energy Park Location 6 Artifact Catalogue

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
6	1	surface	retouched flake	1	Onondaga	flake fragment	1	1
6	2	surface	flake fragment	1	Onondaga		1	2
6	3	surface	tertiary flake	1	Onondaga		1	3
6	4	surface	retouched flake	1	Onondaga	primary flake	1	4

Nyon Energy Park Location 7 Artifact Catalogue

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
7	1	surface	retouched flake	1	Onondaga	large tertiary flake	1	1

Nyon Energy Park Location 8 Artifact Catalogue

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
8	1	surface	tertiary flake	1	Onondaga		1	1
8	2	surface	combination tool	1	Onondaga	end scraper, lateral margins utilized or retouched, flake fragment, likely tertiary flake	1	2
8	3	surface	drill	1	Onondaga	bifacial, short bit, mauve patina	1	3



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
8	4	surface	scraper	1	Onondaga	side, opposing lateral margin also retouched, crescent-shaped, flake fragment, likely secondary flake	1	4
8	5	surface	tertiary flake	1	Onondaga		1	5
8	6	surface	flake fragment	1	Onondaga	likely tertiary flake	1	6
8	7	surface	scraper	1	Onondaga	thumbnail end, flake fragment, possible tertiary flake	1	7
8	8	surface	utilized flake	1	Kettle Point	tertiary flake	1	8
8	9	surface	flake fragment	1	burnt Onondaga	possible secondary flake	1	9

Nyon Energy Park Location 9 Artifact Catalogue

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
9	1	surface	flake fragment	1	Onondaga	likely secondary flake	1	1
9	2	surface	utilized flake	1	Onondaga	flake fragment, possible secondary flake	1	2
9	3	surface	utilized flake	1	Onondaga	flake fragment, possible tertiary flake	1	3
9	4	surface	biface	1	Onondaga	preform, fragment, apparent retouch	1	4
9	5	surface	scraper	1	Onondaga	end, micro, flake fragment, likely secondary flake	1	5



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Nyon Energy Park Location 10 Artifact Catalogue

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
10	1	surface	retouched flake	1	Onondaga	likely secondary flake	1	1
10	2	surface	flake fragment	1	Onondaga	tertiary flake	1	2
10	3	surface	tertiary flake	1	Onondaga		1	3
10	4	surface	retouched flake	1	burnt Onondaga	likely secondary flake	1	4

Nyon Energy Park Location 11 Artifact Catalogue

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
11	1	surface	retouched flake	1	Onondaga	secondary flake	1	1

Nyon Energy Park Location 12 Artifact Catalogue

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
12	1	surface	utilized flake	1	Onondaga	tertiary flake	1	1
12	2	surface	tertiary flake	1	Onondaga		1	1
12	3	surface	tertiary flake	1	Onondaga		1	1
12	4	surface	tertiary flake	1	Onondaga		1	1
12	5	surface	flake fragment	1	Onondaga		1	1
12	6	surface	flake fragment	1	Onondaga		1	1



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
12	7	surface	flake fragment	1	Onondaga		1	1
12	8	surface	utilized flake	1	Onondaga	tertiary flake	1	2
12	9	surface	tertiary flake	1	Onondaga		1	3
12	10	surface	secondary flake	1	Onondaga		1	4
12	11	surface	tertiary flake	1	Onondaga	flake fragment	1	5
12	12	surface	utilized flake	1	Onondaga	flake fragment	1	6
12	13	surface	tertiary flake	1	Onondaga		1	7
12	14	surface	tertiary flake	1	Onondaga		1	7
12	15	surface	flake fragment	1	Onondaga		1	7
12	16	surface	flake fragment	1	burnt Onondaga		1	7
12	17	surface	flake fragment	1	Onondaga		1	7
12	18	surface	flake fragment	1	Onondaga		1	7
12	19	surface	flake fragment	1	Onondaga		1	7
12	20	surface	secondary flake	1	Onondaga		1	8
12	21	surface	tertiary flake	1	Onondaga		1	8
12	22	surface	tertiary flake	1	Onondaga		1	8
12	23	surface	tertiary flake	1	Onondaga		1	9
12	24	surface	flake fragment	1	Onondaga	likely tertiary flake	1	10



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Nyon Energy Park Location 13 Artifact Catalogue

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
13	1	surface	retouched flake	1	Onondaga	flake fragment, likely tertiary flake	1	1
13	2	surface	flake fragment	1	Onondaga	possibly natural	1	2
13	3	surface	flake fragment	1	Onondaga	likely tertiary flake	1	3
13	4	surface	retouched flake	1	Onondaga	tertiary flake	1	4
13	5	surface	tertiary flake	1	Onondaga		1	5
13	6	surface	tertiary flake	1	Onondaga		1	5

Nyon Energy Park Location 14 Artifact Catalogue

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
14	1	surface	retouched flake	1	Onondaga	secondary flake	1	1
14	2	surface	scraper	1	Onondaga	end, flake fragment, likely secondary flake	1	2
14	3	surface	retouched flake	1	Onondaga	flake fragment, likely secondary flake	1	3
14	4	surface	secondary flake	1	Onondaga		1	4
14	5	surface	secondary flake	1	Onondaga		1	5
14	6	surface	tertiary flake	1	burnt Onondaga		1	5
14	7	surface	projectile point	1	Onondaga	possible Brewerton Eared-Triangular, one ear damaged	1	6



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
14	8	surface	scraper	1	Onondaga	end and side, secondary flake	1	7
14	9	surface	utilized flake	1	Onondaga	flake fragment, likely secondary flake	1	8
14	10	surface	tertiary flake	1	Onondaga		1	9
14	11	surface	utilized flake	1	Onondaga	flake fragment	1	9
14	12	surface	primary flake	1	burnt Onondaga		1	10
14	13	surface	utilized flake	1	Onondaga	flake fragment, likely tertiary flake	1	11
14	14	surface	tertiary flake	1	Onondaga		1	12
14	15	surface	projectile point	1	Onondaga	Madison or Daniels, tip missing	1	13

Nyon Energy Park Location 15 Artifact Catalogue

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
15	1	surface	retouched flake	1	Onondaga	primary flake	1	1

Nyon Energy Park Location 16 Artifact Catalogue

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
16	1	surface	flake fragment	1	Onondaga	likely tertiary flake	1	1
16	2	surface	tertiary flake	1	Onondaga		1	2



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
16	3	surface	flake fragment	1	Onondaga	possibly secondary flake	1	3
16	4	surface	biface	1	Onondaga	preform	1	4
16	5	surface	flake fragment	1	burnt Onondaga	likely secondary flake	1	5
16	6	surface	tertiary flake	1	Onondaga		1	6
16	7	surface	flake fragment	1	burnt Onondaga	likely secondary flake	1	7

Nyon Energy Park Location 17 Artifact Catalogue

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
17	1	surface	flake fragment	1	Onondaga	likely secondary flake	1	1

Nyon Energy Park Location 18 Artifact Catalogue

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
18	1	surface	flake fragment	1	Onondaga	likely tertiary flake	1	1

Nyon Energy Park Location 19 Artifact Catalogue

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
19	1	surface	tertiary flake	1	Haldimand		1	1
19	2	surface	utilized flake	1	Onondaga	flake fragment, likely tertiary flake	1	2



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
19	3	surface	utilized flake	1	burnt Onondaga	likely tertiary flake	1	3
19	4	surface	flake fragment	1	Haldimand	likely tertiary flake	1	4
19	5	surface	flake fragment	1	burnt Onondaga	likely secondary flake, crenelated fractures	1	5
19	6	surface	spokeshave	1	Onondaga	two notches, possible graver spur between, likely secondary flake	1	6

Nyon Energy Park Location 20/22/26 Artifact Catalogue

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
20/22/26	1	surface	retouched flake	1	Onondaga	likely tertiary flake	1	1
20/22/26	2	surface	utilized flake	1	Onondaga	likely secondary flake	1	2
20/22/26	3	surface	utilized flake	1	Onondaga	flake fragment	1	3
20/22/26	4	surface	utilized flake	1	Onondaga	likely tertiary flake	1	3
20/22/26	5	surface	retouched flake	1	Onondaga	secondary flake	1	4
20/22/26	6	surface	tertiary flake	1	Onondaga		1	5
20/22/26	7	surface	projectile point	1	Onondaga	Brewerton Side-Notched	1	1
20/22/26	8	surface	tertiary flake	1	Onondaga		1	2
20/22/26	9	surface	utilized flake	1	Onondaga	flake fragment, likely tertiary flake	1	3
20/22/26	10	surface	spokeshave	1	Onondaga	likely secondary flake	1	4



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
20/22/26	11	surface	utilized flake	1	Onondaga	secondary flake	1	1
20/22/26	12	surface	utilized flake	1	burnt Onondaga	likely secondary flake	1	1
20/22/26	13	surface	biface	1	Onondaga	early stage preform	1	2
20/22/26	14	surface	secondary flake	1	Onondaga		1	3
20/22/26	15	surface	flake fragment	1	Onondaga	possibly secondary flake	1	4
20/22/26	16	surface	tertiary flake	1	Onondaga		1	5
20/22/26	17	surface	flake fragment	1	Onondaga	likely secondary flake	1	6
20/22/26	18	surface	flake fragment	1	Onondaga	likely tertiary flake	1	6
20/22/26	19	surface	scraper	1	Onondaga	end, secondary flake	1	7
20/22/26	20	surface	retouched flake	1	Onondaga	edge fragment, flake fragment, possible secondary flake	1	8
20/22/26	21	surface	graver	1	Onondaga	flake fragment, likely secondary flake	1	9
20/22/26	22	surface	retouched flake	1	Onondaga	secondary flake	1	10
20/22/26	23	surface	utilized flake	1	Onondaga	flake fragment, likely secondary flake	1	11
20/22/26	24	surface	scraper	1	Onondaga	end, micro, flake fragment, likely tertiary flake	1	12
20/22/26	25	surface	core	1	burnt Onondaga	multi-directional	1	13
20/22/26	26	surface	retouched flake	1	Onondaga	flake fragment, likely tertiary flake	1	13



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
20/22/26	27	surface	flake fragment	1	Onondaga	likely tertiary flake	1	13
20/22/26	28	surface	biface	1	Onondaga	preform, edge fragment	1	14
20/22/26	29	surface	secondary flake	1	Onondaga		1	14
20/22/26	30	surface	core	1	Onondaga	multi-directional, fragment	1	15
20/22/26	31	surface	spokeshave	1	Onondaga	flake fragment, likely primary flake	1	16
20/22/26	32	surface	secondary flake	1	Onondaga		1	16
20/22/26	33	surface	utilized flake	1	Haldimand	secondary flake	1	17
20/22/26	34	surface	scraper	1	Onondaga	end, secondary flake	1	18
20/22/26	35	surface	tertiary flake	1	Onondaga		1	18
20/22/26	36	surface	combination tool	1	Onondaga	end scraper, both ends, and spokeshave, flake fragment, likely primary flake	1	19
20/22/26	37	surface	scraper	1	Onondaga	end, secondary flake	1	20
20/22/26	38	surface	flake fragment	1	burnt Onondaga	possibly secondary flake	1	20
20/22/26	39	surface	tertiary flake	1	Onondaga		1	21
20/22/26	40	surface	flake fragment	1	burnt Onondaga	possible secondary flake	1	22
20/22/26	41	surface	flake fragment	1	Onondaga	possible secondary flake	1	22
20/22/26	42	surface	flake fragment	1	Onondaga	likely primary flake	1	23



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
20/22/26	43	surface	spokeshave	1	Onondaga	secondary flake	1	24
20/22/26	44	surface	tertiary flake	1	Onondaga	likely tertiary flake	1	25
20/22/26	45	surface	biface	1	Onondaga	preform, base missing, retouch at midshaft break	1	26

Nyon Energy Park Location 21 Artifact Catalogue

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
21	1	surface	tertiary flake	1	Onondaga		1	1
21	2	surface	utilized flake	1	burnt Onondaga	flake fragment	1	2
21	3	surface	primary flake	1	Haldimand		1	3
21	4	surface	flake fragment	1	Onondaga	likely secondary flake	1	4

Nyon Energy Park Location 23 Artifact Catalogue

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
23	1	surface	projectile point	1	Onondaga	Nanticoke Notched, base	1	1



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Nyon Energy Park Location 24 Artifact Catalogue

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
24	1	surface	flake fragment	1	burnt Onondaga	likely tertiary flake	1	1
24	2	surface	scraper	1	Onondaga	side, flake fragment, likely secondary flake	1	2
24	3	surface	projectile point	1	Haldimand	Madison or Daniels, tip missing	1	3
24	4	surface	combination tool	1	Onondaga	spokeshave and micro end scraper, secondary flake	1	4
24	5	surface	retouched flake	1	Onondaga	secondary flake	1	5
24	6	surface	utilized flake	1	Onondaga	flake fragment, likely tertiary flake	1	6
24	7	surface	retouched flake	1	Onondaga	flake fragment, likely secondary flake, crenelated damage at distal end	1	7
24	8	surface	utilized flake	1	Onondaga	secondary flake	1	8
24	9	surface	flake fragment	1	Onondaga	likely tertiary flake	1	9
24	10	surface	utilized flake	1	Onondaga	secondary flake, cortical	1	10
24	11	surface	utilized flake	1	Onondaga	flake fragment, possible secondary flake	1	10



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Nyon Energy Park Location 25 Artifact Catalogue

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
25	1	surface	biface	1	Onondaga	preform, edge fragment	1	1
25	2	surface	utilized flake	1	Onondaga	flake fragment, possible secondary flake	1	2
25	3	surface	utilized flake	1	burnt Onondaga	flake fragment, possible secondary flake	1	3

Nyon Energy Park Location 27 Artifact Catalogue

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
27	1	surface	flake fragment	1	Onondaga	likely tertiary flake	1	1
27	2	surface	retouched flake	1	Onondaga	flake fragment, likely secondary flake	1	2
27	3	surface	tertiary flake	1	Onondaga		1	3
27	4	surface	flake fragment	1	Onondaga	possible tertiary flake	1	4
27	5	surface	utilized flake	1	Onondaga	secondary flake	1	5
27	6	surface	flake fragment	1	Onondaga	likely tertiary flake	1	6
27	7	surface	secondary flake	1	Onondaga		1	7
27	8	surface	tertiary flake	1	burnt Onondaga		1	8
27	8	surface	utilized flake	1	Onondaga	primary flake	1	9



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
27	9	surface	utilized flake	1	Onondaga	tertiary flake	1	10
27	11	surface	tertiary flake	1	Onondaga		1	11
27	12	surface	tertiary flake	1	Onondaga		1	11
27	13	surface	secondary flake	1	Onondaga		1	11
27	14	surface	utilized flake	1	Onondaga	tertiary flake	1	12
27	15	surface	utilized flake	1	Onondaga	flake fragment, likely tertiary flake	1	13
27	16	surface	scraper	1	Onondaga	side, flake fragment, likely tertiary flake	1	14
27	17	surface	combination tool	1	Onondaga	side scraper and graver, flake fragment, likely tertiary flake	1	15

Nyon Energy Park Location 28 Artifact Catalogue

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
28	1	surface	scraper	1	Onondaga	end, possible graver spur, secondary flake	1	1
28	2	surface	utilized flake	1	burnt Onondaga	flake fragment, likely secondary flake	1	2
28	3	surface	flake fragment	1	Onondaga	likely tertiary flake	1	3
28	4	surface	tertiary flake	1	burnt Onondaga		1	4



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
28	5	surface	utilized flake	1	Onondaga	flake fragment, likely secondary flake	1	5
28	6	surface	tertiary flake	1	Onondaga		1	5
28	7	surface	utilized flake	1	Onondaga	tertiary flake	1	6
28	8	surface	tertiary flake	1	Onondaga	flake of retouch	1	7
28	9	surface	tertiary flake	1	burnt Onondaga		1	8
28	10	surface	tertiary flake	1	burnt Onondaga		1	9
28	11	surface	flake fragment	1	Onondaga	likely tertiary flake	1	10

Nyon Energy Park Location 29 Artifact Catalogue

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
29	1	surface	utilized flake	1	Onondaga	small notch, flake fragment, likely tertiary flake	1	1

Nyon Energy Park Location 30 Artifact Catalogue

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
30	1	surface	projectile point	1	Onondaga	Levanna, base	1	1



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Nyon Energy Park Location 31 Artifact Catalogue

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
31	1	surface	utilized flake	1	Onondaga	likely tertiary flake	1	1

Nyon Energy Park Location 33 Artifact Catalogue

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
33	1	surface	biface	1	Onondaga	preform, base missing	1	1

Nyon Energy Park Location 34 Artifact Catalogue

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
34	1	surface	flake fragment	1	Onondaga	possible secondary flake	1	1

Nyon Energy Park Location 35 Artifact Catalogue

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
35	1	surface	retouched flake	1	Onondaga	flake fragment, likely tertiary flake	1	1



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Table 92: Nyon Energy Park Location 36 Artifact Catalogue

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
36	1	surface	flake fragment	1	Onondaga	likely tertiary flake	1	1
36	2	surface	utilized flake	1	Onondaga	flake fragment, likely secondary flake, blade-like	1	2
36	3	surface	tertiary flake	1	burnt Onondaga		1	3
36	4	surface	flake fragment	1	Onondaga	possible secondary flake	1	4
36	5	surface	utilized flake	1	Haldimand	tertiary flake	1	5
36	6	surface	utilized flake	1	Onondaga	tertiary flake	1	6
36	7	surface	combination tool	1	Haldimand	possible side scraper and graver, flake fragment, likely secondary flake	1	7
36	8	surface	tertiary flake	1	burnt Onondaga		1	8
36	9	surface	tertiary flake	1	burnt Onondaga		1	9
36	10	surface	flake fragment	1	Onondaga	likely secondary flake	1	10
36	11	surface	flake fragment	1	Onondaga	likely tertiary flake	1	11
36	12	surface	flake fragment	1	Onondaga	likely tertiary flake	1	12
36	13	surface	flake fragment	1	burnt Onondaga	likely tertiary flake	1	13
36	14	surface	utilized flake	1	Onondaga	secondary flake, blade like	1	14
36	15	surface	tertiary flake	1	Onondaga		1	15



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
36	16	surface	utilized flake	1	Onondaga	tertiary flake	1	16
36	17	surface	utilized flake	1	Haldimand	flake fragment, likely tertiary flake	1	17
36	18	surface	utilized flake	1	Onondaga	flake fragment, possible secondary flake	1	18
36	19	surface	secondary flake	1	burnt Onondaga		1	19
36	20	surface	spokeshave	1	Onondaga	flake fragment, likely primary flake	1	20

Nyon Energy Park Location 37 Artifact Catalogue

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
37	1	surface	flake fragment	1	Onondaga	likely secondary flake	1	1
37	2	surface	utilized flake	1	Haldimand	flake fragment, likely secondary flake	1	2
37	3	surface	utilized flake	1	Onondaga	flake fragment, likely secondary flake	1	3
37	4	surface	utilized flake	1	Onondaga	flake fragment, likely secondary flake	1	4
37	5	surface	utilized flake	1	Onondaga	flake fragment, likely secondary flake	1	5
37	6	surface	flake fragment	1	Onondaga	likely tertiary flake	1	6
37	7	surface	scraper	1	Onondaga	end, retouched lateral margins, secondary flake	1	7



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
37	8	surface	tertiary flake	1	Onondaga		1	8
37	9	surface	flake fragment	1	Onondaga	likely secondary flake	1	9
37	10	surface	utilized flake	1	Onondaga	flake fragment, possible tertiary flake	1	10
37	11	surface	scraper	1	Onondaga	side, secondary flake	1	11
37	12	surface	flake fragment	1	Onondaga	likely secondary flake	1	12
37	13	surface	utilized flake	1	Onondaga	flake fragment, likely secondary flake	1	13
37	14	surface	retouched flake	1	Onondaga	flake fragment, likely secondary flake	1	14
37	15	surface	core	1	Onondaga	multidirectional	1	15
37	16	surface	tertiary flake	1	Onondaga		1	16
37	17	surface	flake fragment	1	Onondaga	likely tertiary flake	1	17
37	18	surface	utilized flake	1	Onondaga	tertiary flake	1	18
37	19	surface	flake fragment	1	Onondaga	likely tertiary flake	1	19
37	20	surface	flake fragment	1	Onondaga	likely tertiary flake	1	20



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Table 93: Nyon Energy Park Location 38 Artifact Catalogue

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
38	1	surface	retouched flake	1	Onondaga	flake fragment, likely secondary flake	1	1
38	2	surface	projectile point	1	Haldimand	indeterminate, tip	1	2
38	3	surface	flake fragment	1	Onondaga	possibly tertiary flake	1	3
38	4	surface	scraper	1	Haldimand	end, likely primary flake	1	4
38	5	surface	utilized flake	1	Onondaga	likely secondary flake	1	5

Nyon Energy Park Location 39 Artifact Catalogue

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
39	1	surface	projectile point	1	Onondaga	Madison	1	1

Nyon Energy Park Location 40/41 Artifact Catalogue

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
40/41	1	surface	projectile point	1	Onondaga	indeterminate, tip, finely flaked	1	1
40/41	2	surface	tertiary flake	1	Onondaga		1	1
40/41	3	surface	secondary flake	1	Onondaga		1	2
40/41	4	surface	utilized flake	1	burnt Onondaga	flake fragment, likely secondary flake	1	3



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
40/41	5	surface	utilized flake	1	Onondaga	flake fragment, likely secondary flake	1	4
40/41	6	surface	flake fragment	1	Onondaga	likely tertiary flake	1	5
40/41	7	surface	tertiary flake	1	Onondaga		1	6
40/41	8	surface	utilized flake	1	Onondaga	flake fragment, possible tertiary flake	1	7
40/41	9	surface	flake fragment	1	burnt Onondaga	possible secondary flake	1	8
40/41	10	surface	flake fragment	1	Onondaga	likely tertiary flake	1	8
40/41	11	surface	flake fragment	1	Onondaga	likely secondary flake	1	9
40/41	12	surface	flake fragment	1	Onondaga	possible tertiary flake	1	10
40/41	13	surface	utilized flake	1	Onondaga	tertiary flake	1	11
40/41	14	surface	tertiary flake	1	Onondaga		1	12
40/41	15	surface	flake fragment	1	Onondaga	likely tertiary flake	1	13
40/41	16	surface	utilized flake	1	Onondaga	flake fragment, likely tertiary flake	1	14
40/41	17	surface	retouched flake	1	Onondaga	flake fragment, likely tertiary flake, one notch, possible haft element	1	15
40/41	18	surface	utilized flake	1	Onondaga	tertiary flake	1	16
40/41	19	surface	utilized flake	1	Onondaga	secondary flake, blade-like	1	17



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
40/41	20	surface	biface	1	Onondaga	possible early preform, dorsal retouch with minimal ventral retouch, flake fragment, likely large secondary flake	1	18
40/41	21	surface	utilized flake	1	Onondaga	tertiary flake	1	19

Nyon Energy Park Location 42 Artifact Catalogue

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
42	1	surface	tertiary flake	1	Onondaga		1	1
42	2	surface	utilized flake	1	Onondaga	tertiary flake	1	2
42	3	surface	scraper	1	Onondaga	end, likely distal end of tertiary flake, but flake fragment	1	3
42	4	surface	scraper	1	Onondaga	end, likely proximal end of flake fragment	1	4
42	5	surface	flake fragment	1	Onondaga		1	5
42	6	surface	retouched flake	1	Onondaga	likely secondary flake	1	6
42	7	surface	biface	1	Onondaga	preform, missing tip	1	7
42	8	surface	secondary flake	1	Onondaga		1	8
42	9	surface	pipe bowl	1		fragment	1	9
42	10	surface	secondary flake	1	Onondaga		1	10



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
42	11	surface	retouched flake	1	Onondaga	tertiary flake	1	11
42	12	surface	flake fragment	1	Onondaga		1	12
42	13	surface	porcelain	1		leaf decoration	1	13
42	14	surface	vitified white earthenware	1		edge	1	14
42	15	surface	vitified white earthenware	1			1	14
42	16	surface	vitified white earthenware	1			1	14
42	17	surface	vitified white earthenware	1			1	14
42	18	surface	spokeshave	1	Onondaga	likely tertiary flake	1	15
42	19	surface	tertiary flake	1	Onondaga		1	16
42	20	surface	scraper	1	Onondaga	side, bifacial retouched	1	17
42	21	surface	biface	1	Onondaga	preform, side missing	1	18
42	22	surface	flake fragment	1	Onondaga	likely tertiary flake	1	19
42	23	surface	spokeshave	1	Onondaga	likely tertiary flake, opposite side retouched	1	20
42	24	surface	biface	1	burnt Onondaga	midshaft, crenelated fracture at each break	1	21

Table 94: Nyon Energy Park Location 43 Artifact Catalogue

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
43	1	surface	flake fragment	1	Onondaga	likely secondary flake	1	1



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
43	2	surface	scraper	1	Onondaga	side, bifacial flaking on one edge, multidirectional core-like	1	2
43	3	surface	tertiary flake	1	Onondaga		1	3
43	4	surface	flake fragment	1	Onondaga	likely secondary flake	1	4
43	5	surface	scraper	1	Onondaga	end, micro tip, flake fragment, possible secondary flake	1	5
43	6	surface	projectile point	1	Onondaga	Crawford Knoll, stemmed, serrated	1	6
43	7	surface	retouched flake	1	Onondaga	secondary flake	1	7
43	8	surface	spokeshave	1	Onondaga	tertiary flake	1	8
43	9	surface	retouched flake	1	burnt Onondaga	tertiary flake	1	9
43	10	surface	retouched flake	1	Onondaga	flake fragment, likely secondary flake	1	10
43	11	surface	scraper	1	Onondaga	end, primary flake	1	11
43	12	surface	flake fragment	1	indeterminate, cortical	likely secondary flake, possibly natural	1	12
43	13	surface	flake fragment	1	Onondaga	possibly secondary flake	1	13
43	14	surface	retouched flake	1	Onondaga	tertiary flake	1	13
43	15	surface	flake fragment	1	Onondaga	likely tertiary flake	1	14
43	16	surface	retouched flake	1	Onondaga	possibly secondary flake	1	15
43	17	surface	utilized flake	1	Onondaga	tertiary flake	1	16



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
43	18	surface	tertiary flake	1	Onondaga		1	17
43	19	surface	retouched flake	1	Onondaga	flake fragment, likely tertiary flake	1	18
43	20	surface	retouched flake	1	Onondaga	flake fragment, possibly secondary flake	1	19
43	21	surface	flake fragment	1	Onondaga	possibly secondary flake	1	20
43	22	surface	tertiary flake	1	Onondaga	flake of retouch	1	20
43	23	surface	projectile point	1	Onondaga	Otter Creek	1	21
43	24	surface	biface	1	Onondaga	preform, base, stemmed, stem possibly used as edge of spokeshave	1	22
43	25	surface	flake fragment	1	Onondaga	possibly tertiary flake	1	23
43	26	surface	flake fragment	1	burnt Onondaga	possibly secondary flake	1	24
43	27	surface	flake fragment	1	burnt Onondaga	possibly secondary flake	1	25
43	28	surface	tertiary flake	1	Onondaga		1	26
43	29	surface	flake fragment	1	Onondaga	likely secondary flake	1	27
43	30	surface	utilized flake	1	Onondaga	tertiary flake	1	28
43	31	surface	bladelet	1	Onondaga	flake fragment, likely secondary flake, prismatic or lamellar blade-like, distal, but minimal, retouch	1	29
43	32	surface	tertiary flake	1	Onondaga		1	30



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Nyon Energy Park Location 44 Artifact Catalogue

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
44	1	surface	utilized flake	1	Onondaga	likely tertiary flake	1	1
44	2	surface	flake fragment	1	Onondaga	likely tertiary flake	1	2
44	3	surface	flake fragment	1	Haldimand	likely primary flake	1	3
44	4	surface	spokeshave	1	Onondaga	secondary flake	1	4
44	5	surface	tertiary flake	1	burnt Onondaga		1	5
44	6	surface	flake fragment	1	Onondaga	likely secondary flake	1	6
44	7	surface	flake fragment	1	Onondaga	likely tertiary flake	1	7
44	8	surface	biface	1	Onondaga		1	8
44	9	surface	utilized flake	1	Onondaga	reddish-brown patina, likely tertiary flake (from large biface)	1	9
44	10	surface	flake fragment	1	burnt Onondaga	likely tertiary flake	1	10
44	11	surface	scraper	1	Onondaga	end, micro, likely secondary flake	1	11
44	12	surface	spokeshave	1	Onondaga	mauve patina, secondary flake	1	12
44	13	surface	retouched flake	1	burnt Onondaga	likely secondary flake	1	13
44	14	surface	retouched flake	1	Onondaga	likely secondary flake	1	14
44	15	surface	utilized flake	1	Onondaga	likely tertiary flake	1	15
44	16	surface	scraper	1	Onondaga	end, tertiary flake	1	16
44	17	surface	utilized flake	1	Onondaga	likely tertiary flake	1	17
44	18	surface	secondary flake	1	burnt Onondaga		1	18



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
44	19	surface	flake fragment	1	Onondaga	likely secondary flake, possibly bipolar percussion	1	19
44	20	surface	flake fragment	1	Onondaga	likely tertiary flake	1	20

Nyon Energy Park Location 45 Artifact Catalogue

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
45	1	surface	flake fragment	1	Onondaga	likely secondary flake	1	1
45	2	surface	tertiary flake	1	Onondaga		1	2
45	3	surface	flake fragment	1	Onondaga	likely tertiary flake	1	3
45	4	surface	flake fragment	1	Onondaga	likely tertiary flake	1	4
45	5	surface	projectile point	1	burnt Onondaga	indeterminate, stem	1	5
45	6	surface	secondary flake	1	burnt Onondaga		1	6
45	7	surface	flake fragment	1	burnt Onondaga		1	7
45	8	surface	retouched flake	1	Onondaga	2-piece mend, likely tertiary flake	1	8
45	9	surface	flake fragment	1	burnt Onondaga	likely secondary flake	1	9
45	10	surface	tertiary flake	1	Onondaga		1	10
45	11	surface	tertiary flake	1	burnt Onondaga		1	10



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Nyon Energy Park Location 46 Artifact Catalogue

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
46	1	surface	retouched flake	1	Onondaga	tertiary flake	1	1
46	2	surface	flake fragment	1	Onondaga	tertiary flake	1	2
46	3	surface	flake fragment	1	Onondaga	tertiary flake	1	3
46	4	surface	retouched flake	1	Onondaga	likely secondary flake	1	4
46	5	surface	flake fragment	1	burnt Onondaga	likely tertiary flake	1	5
46	6	surface	retouched flake	1	Onondaga	likely secondary flake	1	6
46	7	surface	biface	1	Onondaga	preform, 2-piece mend	1	7
46	8	surface	graver	1	Onondaga	spokeshave on lateral	1	8
46	9	surface	flake fragment	1	Onondaga	likely tertiary flake	1	9
46	10	surface	flake fragment	1	Onondaga	likely secondary flake	1	9
46	11	surface	scraper	1	Onondaga	end, micro, opposite end utilised, likely secondary flake	1	10
46	12	surface	biface	1	Onondaga	preform, base missing	1	11
46	13	surface	tertiary flake	1	Onondaga		1	12
46	14	surface	tertiary flake	1	Onondaga		1	13
46	15	surface	tertiary flake	1	Onondaga		1	14
46	16	surface	utilized flake	1	Onondaga	likely tertiary flake	1	15
46	17	surface	flake fragment	1	Onondaga	likely secondary flake	1	16
46	18	surface	flake fragment	1	burnt Onondaga	possible tertiary flake	1	17



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
46	19	surface	flake fragment	1	Onondaga	likely tertiary flake	1	18
46	20	surface	flake fragment	1	Onondaga	possible secondary flake	1	19
46	21	surface	flake fragment	1	Onondaga	possible secondary flake	1	20

Nyon Energy Park Location 47 Artifact Catalogue

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
47	1	surface	retouched flake	1	Onondaga	secondary flake	1	2
47	2	surface	flake fragment	1	Onondaga	possible tertiary flake	1	3
47	3	surface	tertiary flake	1	Onondaga		1	4
47	4	surface	flake fragment	1	Onondaga	likely tertiary flake	1	5
47	5	surface	flake fragment	1	Onondaga	likely tertiary flake	1	6
47	6	surface	retouched flake	1	Onondaga	flake fragment, likely secondary flake	1	7
47	7	surface	flake fragment	1	Colborne (Haldimand)	possible primary flake, possibly natural	1	8
47	8	surface	utilized flake	1	Onondaga	likely tertiary flake	1	9
47	9	surface	tertiary flake	1	Onondaga		1	10



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Nyon Energy Park Location 48 Artifact Catalogue

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
48	1	surface	tertiary flake	1	Onondaga		1	1
48	2	surface	retouched flake	1	Onondaga	edge fragment	1	2
48	3	surface	secondary flake	1	Onondaga		1	3
48	4	surface	flake fragment	1	Onondaga		1	4
48	5	surface	scraper	1	Onondaga	end, bifacial retouch	1	5
48	6	surface	secondary flake	1	Onondaga		1	6
48	7	surface	secondary flake	1	burnt Onondaga		1	7
48	8	surface	secondary flake	1	burnt Onondaga		1	8
48	9	surface	flake fragment	1	Onondaga	likely tertiary flake	1	9
48	10	surface	biface	1	Onondaga	preform	1	10
48	11	surface	secondary flake	1	Onondaga		1	11
48	12	surface	flake fragment	1	Onondaga	likely primary flake	1	12
48	13	surface	retouched flake	1	Onondaga	edge fragment	1	13
48	14	surface	flake fragment	1	Onondaga	likely primary flake	1	14
48	15	surface	tertiary flake	1	burnt Onondaga		1	15



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Nyon Energy Park Location 49 Artifact Catalogue

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
49	1	surface	secondary flake	1	Onondaga		1	1
49	2	surface	secondary flake	1	burnt Onondaga		1	2

Nyon Energy Park Location 50 Artifact Catalogue

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
50	1	surface	retouched flake	1	Onondaga	one edge, flake fragment	1	1

Nyon Energy Park Location 51 Artifact Catalogue

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
51	1	surface	vitified white earthenware	1	vitified white earthenware	decorative, cherub head, broken at neck	1	1
51	2	surface	glass, bottle	1	amethyst glass, patinated	bottom of rounded glass bottle, stamped "HAMILTON. CANADIAN CANNISTERS LTD". Seam ends at base of stamped letter "R"	1	2



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
51	3	surface	vitified white earthenware, stamped	1	vitified white earthenware	holloware (possibly cup); stamped, with daisy pattern, colour mostly faded away, some light yellow-orange and light green remain	1	3
51	4	surface	nail, cut	1	metal		1	4
51	5	surface	nail, cut	1	metal		1	5
51	6	surface	nail, wire drawn	1	metal		1	6
51	7	surface	refined white earthenware	1	refined white earthenware	holloware, possible cup, part of base, light blue glaze. Mends with 8	1	7
51	8	surface	refined white earthenware	1	refined white earthenware	holloware, possible cup, rim sherd, light blue glaze. Mends with 7	1	8
51	9	surface	refined white earthenware, transfer print	1	refined white earthenware	flatware; rim sherd; burnt; brown transfer (trees?)	1	9
51	10	surface	refined white earthenware, stamped	1	refined white earthenware	flatware; rim sherd; moulded; floral stamp with pink and green; possibly burnt	1	10
51	11	surface	refined white earthenware, edged	1	refined white earthenware	flatware; blue edgware; feathered; impressed	1	11



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
51	12	surface	refined white earthenware	1	refined white earthenware	rim sherd; tiny bit of green glaze on interior	1	12
51	13	surface	refined white earthenware	1	refined white earthenware	flatware; undecorated	1	13
51	14	surface	refined white earthenware, stamped	2	refined white earthenware	flatware; blue stamp, thistle?	1	14
51	15	surface	glass, window	3	glass	2 clear, 1 aqua (NEEDS MEASUREMENT)	1	15
51	16	surface	glass, bottle	1	glass	aqua, vertical seam	1	15
51	17	surface	refined white earthenware	1	refined white earthenware	flatware; undecorated	1	15
51	18	surface	ironstone, moulded	1	ironstone	flatware; rim sherd; wheat pattern	1	15
51	19	surface	nail, wire drawn	1	metal		1	15
51	20	surface	faunal	3	bone	2 mammal long bone fragments; 1 possible ulna, 1 possible tibia (cut); 1 tooth	1	15
51	21	surface	ironstone, transfer printed	1	ironstone	flatware base, black floral print and #16	1	18
51	22	surface	ironstone, transfer printed	1	ironstone	flatware, green floral	1	95



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
51	23	surface	refined white earthenware, painted	2	refined white earthenware	red rim stripe, red floral	1	41
51	24	surface	pearlware, painted	1	pearlware	late palette (1830-1840) green and brown, floral	1	45
51	25	surface	refined white earthenware, painted	1	refined white earthenware	red and yellow floral	1	44
51	26	surface	glass, bottle	1	glass	bead finish (mid to late 1800s), blue	1	38
51	27	surface	ironstone	1	ironstone	incomplete stamped maker's mark	1	50
51	28	surface	coarse earthenware, red	1	coarse earthenware	dark lead glaze	1	35
51	29	surface	refined white earthenware, edged	2	refined white earthenware	unscaloped, impressed rim with hen's foot pattern, blue (1825-1891)	1	37
51	30	surface	refined white earthenware, painted	1	refined white earthenware	pastel polychromatic floral	1	80
51	31	surface	white clay pipe, stem	1	white clay	Bannerman maker's mark, 1857-1907	1	62
51	32	surface	refined white earthenware	1	refined white earthenware	plain	1	54



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
51	33	surface	glass, dish	2	glass	press moulded, one sun coloured amethyst, one colourless	1	71
51	34	surface	glass, window	1	glass	> 1.6 mm	1	71
51	35	surface	nail, wire drawn	1	metal	corroded	1	71
51	36	surface	refined white earthenware	1	refined white earthenware	plain	1	71
51	37	surface	ironstone, transfer printed	1	ironstone	green floral	1	71
51	38	surface	glass, dish	1	glass	spheric knob for lid of glass serving dish, sun coloured amethyst	1	49
51	39	surface	ironstone, banded	1	ironstone	blue slip banded	1	42
51	40	surface	ironstone, banded	1	ironstone	blue slip with blue painted design	1	64
51	41	surface	glass, bottle	3	glass	one colourless, one olive, one light aqua	1	68
51	42	surface	glass, window	1	glass	> 1.6 mm	1	68
51	43	surface	ironstone, moulded	1	ironstone	wheat motif, post 1859	1	68
51	44	surface	refined white earthenware	3	refined white earthenware	plain, 1 flatware base fragment	1	66
51	45	surface	glass, dish	2	glass	press moulded colourless beveled	1	66
51	46	surface	glass, window	1	glass	> 1.6 mm	1	66
51	47	surface	vitrified white earthenware, painted	1	vitrified white earthenware	pastel polychromatic floral	1	66



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
51	48	surface	glass, bottle	5	glass	2 light aqua, 1 green, 2 amethyst	1	66
51	49	surface	yellowware, plain	8	yellow earthenware	plain	1	46
51	50	surface	ironstone, painted	1	ironstone	pastel polychromatic floral	1	102
51	51	surface	vitrified white earthenware, transfer printed	1	vitrified white earthenware	blue floral transfer	1	102
51	52	surface	ironstone, plain	1	ironstone	burned	1	102
51	53	surface	utensil	1	metal and bone	metal utensil handle with bone	1	20
51	54	surface	glass, bottle	3	glass	2 aqua, 1 colourless	1	75
51	55	surface	glass, window	1	glass	> 1.6 mm	1	75
51	56	surface	vitrified white earthenware	1	vitrified white earthenware	plain	1	75
51	57	surface	refined white earthenware, transfer print	1	refined white earthenware	black	1	75
51	58	surface	wheel and shank	1	ceramic and metal	small ceramic wheel on metal shank	1	91
51	59	surface	ironstone, moulded	1	ironstone	wheat motif	1	106
51	60	surface	glass, dish	1	glass	press moulded sun coloured amethyst ornate dish fragment	1	106
51	61	surface	glass, bottle	3	glass	2 aqua, 1 colourless	1	106



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
51	62	surface	glass, jar	2	glass	sun coloured amethyst, 1 threaded finish fragment, 1 base fragment with knapping and use wear	1	103
51	63	surface	glass, dish	1	glass	press moulded sun coloured amethyst, ornate cherries design	1	103
51	64	surface	ironstone, transfer printed	1	ironstone	black floral	1	103
51	65	surface	refined white earthenware	1	refined white earthenware	plain	1	103
51	66	surface	glass, white	1	glass	moulded in crosshatched pattern	1	23
51	67	surface	ironstone, moulded	1	ironstone	moulded flower pattern	1	23
51	68	surface	refined white earthenware, transfer print	1	ironstone	blue geometric	1	23
51	69	surface	ironstone, plain	2	ironstone	cup base fragments	1	107
51	70	surface	glass, bottle	1	glass	light green thin	1	107
51	71	surface	creamware, painted	1	creamware	polychrome floral	1	98
51	72	surface	vitrified white earthenware, edged	1	vitrified white earthenware	scalloped yellow and orange with moulded floral design	1	98
51	73	surface	ironstone, flow transfer	1	ironstone	blue	1	98
51	74	surface	glass, bottle	1	glass	light green	1	98



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
51	75	surface	ironstone, moulded	1	ironstone	corn motif	1	98
51	76	surface	glass, window	1	glass	> 1.6 mm	1	24
51	77	surface	glass, bottle	5	glass	2 colourless, 1 olive, 1 green, 1 aqua	1	24
51	78	surface	nail, wire drawn	1	metal	corroded	1	24
51	79	surface	pearlware, painted	1	pearlware	late palette (1830-1840) green floral	1	24
51	80	surface	ironstone, sponged	1	ironstone	blue	1	47
51	81	surface	horseshoe	1	metal	half	1	51
51	82	surface	nail, wire drawn	1	metal	corroded	1	51
51	83	surface	refined white earthenware, transfer print	1	refined white earthenware	blue	1	51
51	84	surface	refined white earthenware, plain	1	refined white earthenware	partial maker's mark	1	60
51	85	surface	creamware, painted	1	creamware	blue and green rim	1	73
51	86	surface	creamware, plain	1	creamware		1	73
51	87	surface	refined white earthenware, plain	3	refined white earthenware	1 hollowware base fragment	1	70
51	88	surface	nail, wire drawn	1	metal	corroded	1	72
51	89	surface	vitriified white earthenware, painted	2	vitriified white earthenware	pink and green pastel floral	1	72
51	90	surface	ironstone, transfer printed	1	ironstone	blue geometric and floral	1	72



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
51	91	surface	nail, wire drawn	1	metal	corroded	1	22
51	92	surface	refined white earthenware, plain	1	refined white earthenware		1	22
51	93	surface	ironstone, moulded	2	ironstone	indeterminate motif	1	69
51	94	surface	ironstone, transfer printed	1	ironstone	blue	1	69
51	95	surface	jewelry	1	mineral stone	brown and white broken setting for pendant or brooch	1	48
51	96	surface	ironstone, plain	4	ironstone	plain	1	99
51	97	surface	vitrified white earthenware, painted	1	vitrified white earthenware	pink and green pastel floral	1	99
51	98	surface	slag	1	slag		1	99
51	99	surface	glass, bottle	1	glass	sun coloured amethyst	1	99
51	100	surface	coarse earthenware, red	2	coarse earthenware	dark lead glaze	1	19
51	101	surface	refined white earthenware, plain	1	refined white earthenware		1	19
51	102	surface	refined white earthenware, transfer print	2	refined white earthenware	blue geometric rims	1	16
51	103	surface	recent material	1	plastic	warped melted plastic	1	77
51	104	surface	glass, bottle	1	glass	amethyst prescription finish	1	105
51	105	surface	faunal remains	1	tooth	pig incisor	1	58
51	106	surface	horseshoe	1	metal	half	1	61



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
51	107	surface	nail, wire drawn	3	metal	corroded	1	28
51	108	surface	nail, wire drawn	1	metal	corroded	1	29
51	109	surface	nail, cut	1	metal	corroded	1	59
51	110	surface	vitrified white earthenware, painted	1	vitrified white earthenware	pink and green pastel floral hollowware fragment	1	30
51	111	surface	nail, cut	1	metal	corroded	1	89
51	112	surface	glass, bottle	1	glass	cobalt	1	90
51	113	surface	glass, window	2	glass	> 1.6 mm	1	67
51	114	surface	glass, bottle	4	glass	3 aqua (1 with press moulded designs), 1 sun coloured amethyst	1	67
51	115	surface	coarse earthenware, yellow	1	coarse earthenware	yellow lead glaze and beige salt glaze	1	67
51	116	surface	glass, bottle	1	glass	aqua neck fragment	1	56
51	117	surface	ironstone, banded	1	ironstone	slender blue slip banded rim fragment	1	21
51	118	surface	ironstone, plain	1	ironstone		1	32
51	119	surface	vitrified white earthenware, transfer printed	1	vitrified white earthenware	cup handle fragment with blue floral	1	76
51	120	surface	nail, wire drawn	1	metal	corroded	1	78
51	121	surface	ironstone, plain	1	ironstone	holloware cup fragment	1	26
51	122	surface	glass, pharmaceutical	1	glass	aqua lettered fragment	1	93



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
51	123	surface	refined white earthenware, painted	1	refined white earthenware	pink floral	1	100
51	124	surface	refined white earthenware, transfer print	1	refined white earthenware	blue geometric	1	33
51	125	surface	refined white earthenware, plain	1	refined white earthenware		1	31
51	126	surface	refined white earthenware, transfer print	1	refined white earthenware	blue geometric	1	55
51	127	surface	ironstone, plain	1	ironstone	cup handle fragment	1	27
51	128	surface	refined white earthenware, painted	1	refined white earthenware	blue	1	34
51	129	surface	refined white earthenware, painted	1	refined white earthenware	blue and red floral	1	40
51	130	surface	glass, white	1	glass	melted with blue and copper decorative swirls	1	97
51	131	surface	ironstone, painted	1	ironstone	black	1	43
51	132	surface	porcelain, figurine	1	porcelain	burned doll fragment with blue and yellow paint residue	1	101
51	133	surface	glass, dish	1	glass	clouded aqua geometric	1	88
51	134	surface	glass, white	1	glass		1	74



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
51	135	surface	ironstone, transfer printed	1	ironstone	black floral	1	74
51	136	surface	refined white earthenware, painted	1	refined white earthenware	wide red band on rim	1	74
51	137	surface	faunal remains	1	bone	cortex fragment of ungulate long bone or rib	1	63
51	138	surface	refined white earthenware, transfer print	1	refined white earthenware	green floral rim sherd with moulding	1	82
51	139	surface	pearlware, painted	1	pearlware	brown floral	1	52
51	140	surface	stoneware, plain	1	stoneware	reddish tinge, salt glaze, heavily burned	1	39
51	141	surface	ironstone, sponged	1	ironstone	holloware base, blue	1	92
51	142	surface	glass, dish	1	glass	clouded aqua	1	94
51	143	surface	glass, window	1	glass	> 1.6 mm	1	96
51	144	surface	recent material	1	glass	modern glass marble	1	96
51	145	surface	ironstone, plain	1	ironstone	maker's mark: Mellor, Taylor & co (1880-1904)	1	79
51	146	surface	glass, bottle	1	glass	olive	1	25
51	147	surface	recent material	1	metal	top of toothpaste tube	1	53
51	148	surface	ironstone, plain	1	ironstone	flatware base fragment	1	36
51	149	surface	creamware, plain	1	creamware	cup handle fragment	1	104
51	150	surface	ironstone, transfer printed	1	ironstone	red, flatware base fragment	1	17
51	151	surface	glass, window	1	glass	> 1.6 mm	1	17



STAGE 2 ARCHAEOLOGICAL ASSESSMENT, NYON ENERGY PARK, SITE A

Loc.	Cat. #	Depth (m)	Artifact	Freq.	Material	Comment	Box	CSP # Given in the Field
51	152	surface	nail, undetermined	1	metal	heavily corroded	1	81
51	153	surface	pearlware, painted	1	pearlware	late palette polychrome floral (1830-1840)	1	57
51	154	surface	button, glass	1	glass	cobalt glass decorative button with drilled hole, corrosion residue	1	65
51	155	surface	glass, pharmaceutical	1	glass	amethyst prescription finish (1870-1920)	1	66

As a global, employee-owned organisation with over 50 years of experience, Golder Associates is driven by our purpose to engineer earth's development while preserving earth's integrity. We deliver solutions that help our clients achieve their sustainable development goals by providing a wide range of independent consulting, design and construction services in our specialist areas of earth, environment and energy.

For more information, visit golder.com

Africa	+ 27 11 254 4800
Asia	+ 86 21 6258 5522
Australasia	+ 61 3 8862 3500
Europe	+ 44 1628 851851
North America	+ 1 800 275 3281
South America	+ 56 2 2616 2000

solutions@golder.com
www.golder.com

Golder Associates Ltd.
6925 Century Avenue, Suite #100
Mississauga, Ontario, L5N 7K2
Canada
T: +1 (905) 567 4444

