






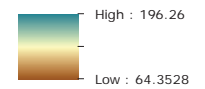


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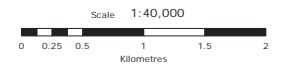
-  Municipal Wells
-  Roads
-  Contour 5 m interval
-  Contour 20m interval
-  Lansdowne Subwatershed
-  Model Boundary
-  Waterbody

**Topography**

mASL



**Figure 3-1  
Topography**



Projection: UTM NAD83 Zone 18N  
Source: MOE, MNM - Open File Report 5801, MNR, CRCA

PROJECT No. 09-205

PROJECT Cataraqui Source Protection Region  
Lansdowne WHPA & Tier 2 WB Study

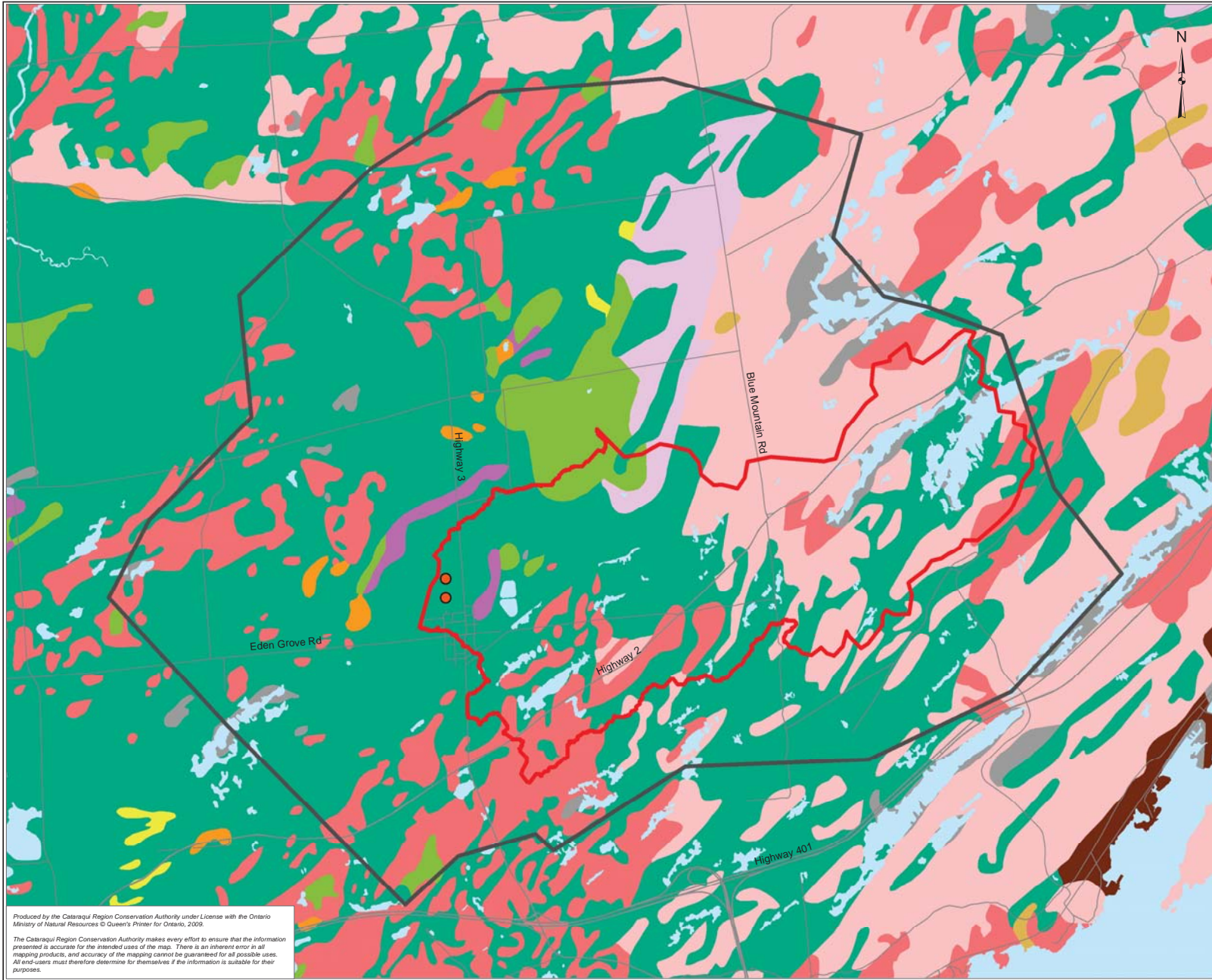
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CAD/GIS: NMP  
CHECK: ACW  
REV: 0A

DATE: 25/03/2011



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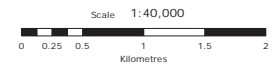




**LEGEND**

- Municipal Wells
- Lansdowne Subwatershed
- Roads
- Model Boundary
- Waterbody
- Surficial Geology**
- 1: Precambrian Bedrock
- 2: Bedrock-drift complex in Precambrian terrain
  - 2a: Primarily till cover
  - 2b: Primarily stratified drift cover
- 3: Paleozoic Bedrock
- 4: Bedrock-drift complex in Paleozoic terrain
- 5: Till/Diamicton
  - 5a: Silty sand to sand-textured till on Precambrian terrain
  - 5b: Stone-poor, sandy silt to silty sand-textured till on Paleozoic terrain
- 6: Ice-contact stratified deposits
- 7: Glaciofluvial deposits
- 8: Fine-textured glaciolacustrine deposits
  - 8a: Massive to well laminated
- 9: Coarse-textured glaciolacustrine deposits
  - 9b: Littoral deposits
  - 9c: Foreshore and basinal deposits
- 20: Organic deposits
- 19: Modern alluvial deposits

**Figure 3-2  
Surficial Geology**



Projection: UTM NAD83 Zone 18N  
 Source: MOE, MNMND- Open File Report 5801, MNR, CRCA

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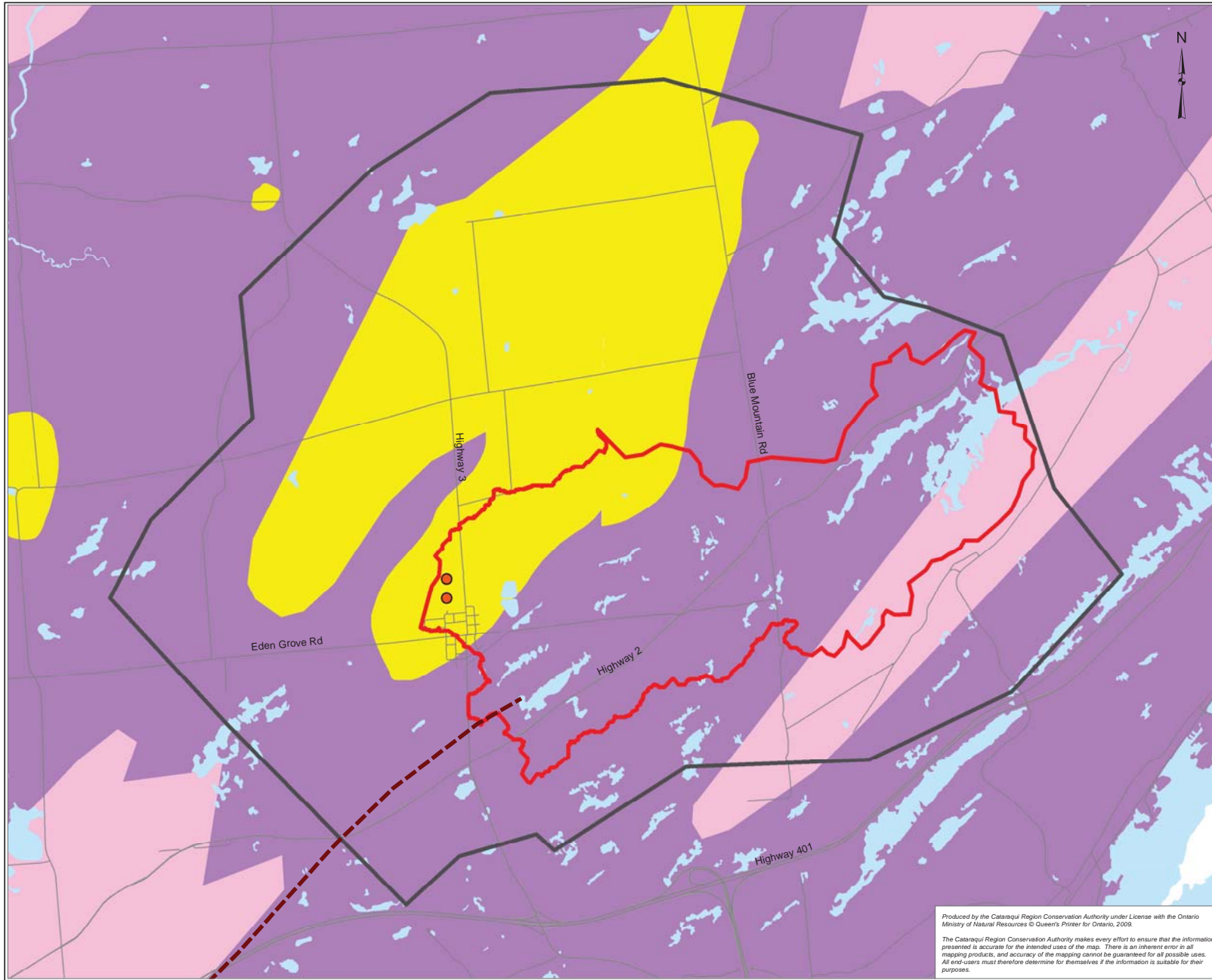
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DESIGN: NMP  
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DATE: 29/03/2011



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**LEGEND**

- Municipal Wells
- Fault
- Lansdowne Subwatershed
- Roads
- Model Boundary
- Waterbody

**Bedrock**

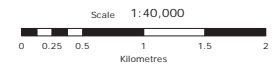
**Paleozoic Formation**

- Nepean/Potsdam

**Precambrian**

- Precambrian (Late felsic plutonic rocks)
- Precambrian (Clasic metasedimentary rocks)

**Figure 3-3  
Bedrock Geology**



Projection: UTM NAD83 Zone 18N  
 Source: MOE, MNM - Open File Report 5801, MNR, CRCA

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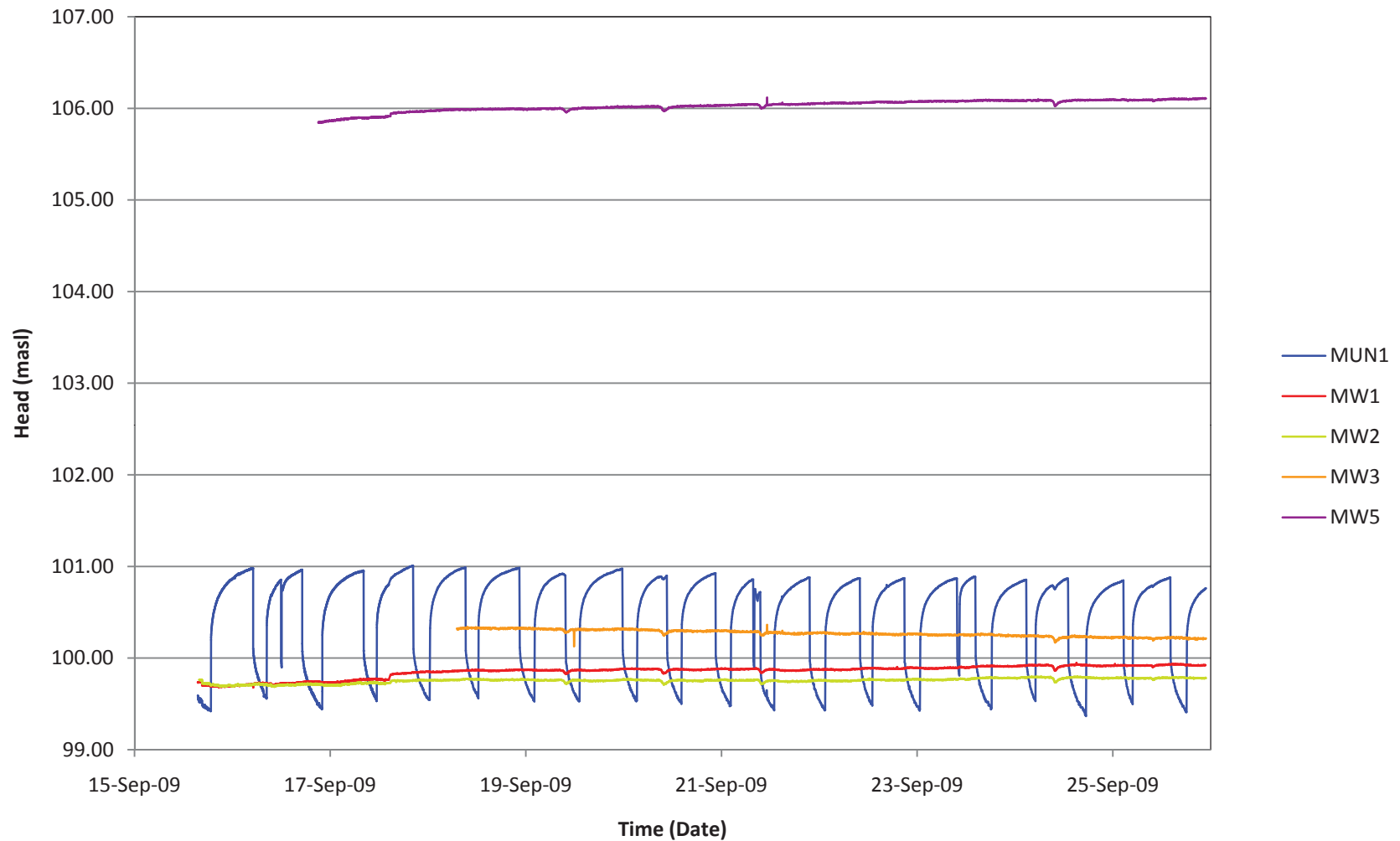
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 REV: 0A

DATE: 29/03/2011



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**Continuous Hydraulic Head Measurements at Select Wells Using Dataloggers**  
**Cataraqui Source Protection Region Lansdowne WHPA & Tier 2 WB Study**

Prepared by: NMP  
 Reviewed by: ACW  
 Date: Mar 29, 2011

**Figure 4-1** Doc. No: 09-205\_CRCA-Lansdowne WHPA & Tier 2  
 WB\Reports\Revised Figures\Figure 4-1 .xlsx

