

**Water Body Records Review
Part of Lots 4 & 5, Concession 5 WD
City of Kingston, Frontenac County**

March 2012

Prepared for:
SunEdison
595 Adelaide Street, Suite 400
Toronto, Ontario
M5A 1N8

Prepared by:
GENIVAR Consultants LP
1091 Gorham Street, Suite 301
Newmarket, Ontario L3Y 8X7

Project No. 111-18734-00

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1 c File



Project No. 111-18734-00

March 2, 2012

SunEdison
595 Adelaide Street, Suite 400
Toronto, Ontario
M5A 1N8

**Re: Water Body Records Review
Part of Lots 4 & 5, Concession 5 WD
City of Kingston, Frontenac County, Ontario**

Dear Sirs:

GENIVAR Inc. was retained to conduct a Water Body Records Review for the Site described as Part of Lots 4 & 5, Concession 5 Western Division, located near the City of Kingston, in Frontenac County, Ontario. Please find the document attached for your records.

Thank you for the opportunity to complete this assessment. Please contact the undersigned if you have any questions.

Yours truly,
GENIVAR Inc.

A handwritten signature in blue ink, appearing to read "Dan J. Reeves".

Dan J. Reeves, B.Sc., M.Sc.
Project Biologist
Environment

DJR:nah

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1. Introduction

GENIVAR Inc. (GENIVAR) has been retained by SunEdison Canada (SunEdison) to conduct a Water Body Records review performed in accordance with Ontario Regulation (O.Reg.) 359/09 Renewable Energy Approvals made under Part V.0.1 of the Environmental Protection Act (Government of Ontario, 2009); herein referred to as the 'REA Regulation' for the site described as Part of Lots 4 and 5, Concession 5 WD, City of Kingston, County of Frontenac, within Madoc Ecodistrict 6E-9; herein referred to as the Project Location. Refer to Figure 1 for Site location details and project outline.

The owner of the subject property is investigating the feasibility of developing solar power projects on this parcel, totalling approximately 100 acres (40.5 ha). The property is located northwest of the town of Kingston, north of Bur Brook Road West, and west of Westbrook Road. The Project Location is located approximately 150 m east of Glenvale Creek, part of the Collin's Creek watershed. The Project Location boundaries and the associated 120 m area of influence are outlined in Figure 1.

1.1 Renewable Energy Legislative Requirements

O.Reg. 359/09 – Renewable Energy Approvals under Part V.0.1 of the Act identifies Renewable Energy Approval (REA) requirements for renewable energy generation facilities in Ontario. As per the REA Regulation, ground-mounted solar facilities with a capacity > 10 kilowatts (kW) are classified as Class 3 solar facilities and require an REA.

1.2 Purpose of Report

Subsection 30 (1) of the REA Regulation requires proponents of Class 3 solar projects to undertake a Water Body Records Review to identify whether a project is:

- In a water body;
- within 120 m of the average annual high water mark of a lake, other than a lake trout lake that is at or above development capacity;
- within 300 m of the average annual high water mark of a lake trout lake that is at or above development capacity;
- within 120 m of the average annual high water mark of a permanent or intermittent stream, or;
- within 120 m of a seepage area.

Subsection 30 (2) of the REA Regulation requires the proponent to prepare a report summarizing the efforts taken within the records review portion of the process. This water body records review report has been prepared to meet these requirements.

2. Records Review Methodology

The following report sections document the records that were assessed to determine if the Project Location is within or adjacent to any water body features, as outlined within Section 1.2 of this report. The definition of a water body is outlined within Section 1 (1) of the REA Regulation, and is as follows: "water body" includes a lake, a permanent stream, an intermittent stream and seepage area but does not include,

- grassed waterways;
- temporary channels for surface drainage, such as furrows or shallow channels that can be tilled and driven through;
- rock chutes and spillways;
- roadside ditches that do not contain a permanent or intermittent stream;
- temporarily ponded areas that are normally farmed;
- dugout ponds, or
- artificial bodies of water intended for the storage, treatment or recirculation of runoff from farm animal yards, manure storage facilities and sites and outdoor confinement areas.”

2.1 Qualifications of Investigator

Background searches were conducted by Dan Reeves and Erin Corstorphine.

Dan Reeves, M.Sc., Project Biologist. Dan has a diverse background in environmental sciences, ecology, and biology gained through eight (8) years of experience in academia, and work in both the private and public sectors. He has conducted multi-scale vegetation assessments and worked on a variety of long-term abundance and diversity indices. Dan has extensive experience collecting, analyzing, and reporting publication quality scientific data through experiences at several institutions. Work history paired with educational background has given him a well rounded knowledge of scientific methods, an understanding of the scientific process from concept to publication, and solid scientific communication skills.

Erin Corstorphine, M.Sc., Biologist. With a strong foundation in biological and ecological sciences, Erin has five (5) years of experience planning terrestrial and marine field programs, collecting and analyzing data, and preparing detailed scientific reports. Through various roles in the public and private sectors, she has gained experience with project design and implementation through involvement with class environmental assessments, species at risk surveys, vegetation surveys, stream rehabilitation and flood risk analysis.

3. Water Records Review

3.1 Information Resources

A records review was conducted in accordance with section 30 of O.Reg. 359/09. The following relevant information resources were consulted over the course of the records review stage. References for the documents utilized are provided in the Literature Cited Section.

- Ontario Regulation 359/09 made under the Environmental Protection Act (2009);
- Ontario Ministry of Natural Resources (OMNR), Peterborough Office;
- Land Information Ontario (LIO) (MNR, 2011);
- Natural Heritage Information Centre (NHIC) Biodiversity Explorer (MNR, 2009);
- Ontario Crown Land Use Policy Atlas (OMNR, 2012);
- Ontario Ministry of Northern Development and Mines – Ontario Base Mapping resources (CLAIMaps, 2010);
- The Atlas of Canada, Toporama - Online Topographic Maps (2010);

- City of Kingston Official Plan (2011); and
- Central Cataraqui Region Natural Heritage Study (CRCA, 2006).

3.2 Results and Summary

The information and mapping resources outlined above were assessed to determine the presence and location of any water body on or within 120 m of the Project Location. Mapping and background sources do not show any lakes within 120 m; however, an unnamed tributary of Glenvale Creek exists in the southeast corner of the Project Location. This was confirmed by a property information request response letter from the Cataraqui Region Conservation Authority (CRCA), dated May 17, 2011, and a records review request response from the Ontario Ministry of Natural Resources (OMNR) dated August 12, 2011. Please refer to Appendix A for Agency Correspondence. No other water bodies were noted on or within 120 m of the Project Location. Refer to Table 1 for details on the findings of the water records review.

Table 1: Water Records search based on O.Reg. 359/09 and findings

Feature	Presence and Notes
In a water body.	The Project Location is not located within a water body.
Within 120 metres of the average annual high water mark of a lake, other than a lake trout lake that is at or above development capacity.	The Project Location is not located within 120 metres of the average annual high water mark or a lake, other than a lake trout lake that is at or above development capacity.
Within 300 metres of the average annual high water mark of a lake trout lake that is at or above development capacity.	The Project Location is not located within 300 metres of the annual high water mark of a lake trout lake that is at or above development capacity.
Within 120 metres of the average annual high water mark of a permanent or intermittent stream.	An unnamed tributary of the Glenvale Creek was noted on and within 120 m of the Project Location. The stream's location and characteristics will be noted within the site assessment portions of the study.
Within 120 metres of a seepage area.	The Site is not within 120 metres of any recorded seepage area.

4. Conclusion

It was noted during the records review portion of the study that mapping of the Site shows a small tributary of Glenvale Creek that transverses the southeast corner of the Project Location. This was confirmed through correspondence with the CRCA and OMNR. On-site visits confirmed the presence of this stream, and did not identify any other water bodies on or within 120 m of the site. The development footprint (Refer to Figure 1) was amended to provide an adequate buffer area to this water feature; however, because the water feature is within 120 m of the proposed development area, a Water Body Environmental Impact Study Report is required to address potential negative environmental effects on this watercourse.

5. Closure

We trust that this evaluation is satisfactory for your current needs. Please contact us if you have any questions.

Yours truly,
GENIVAR Inc.

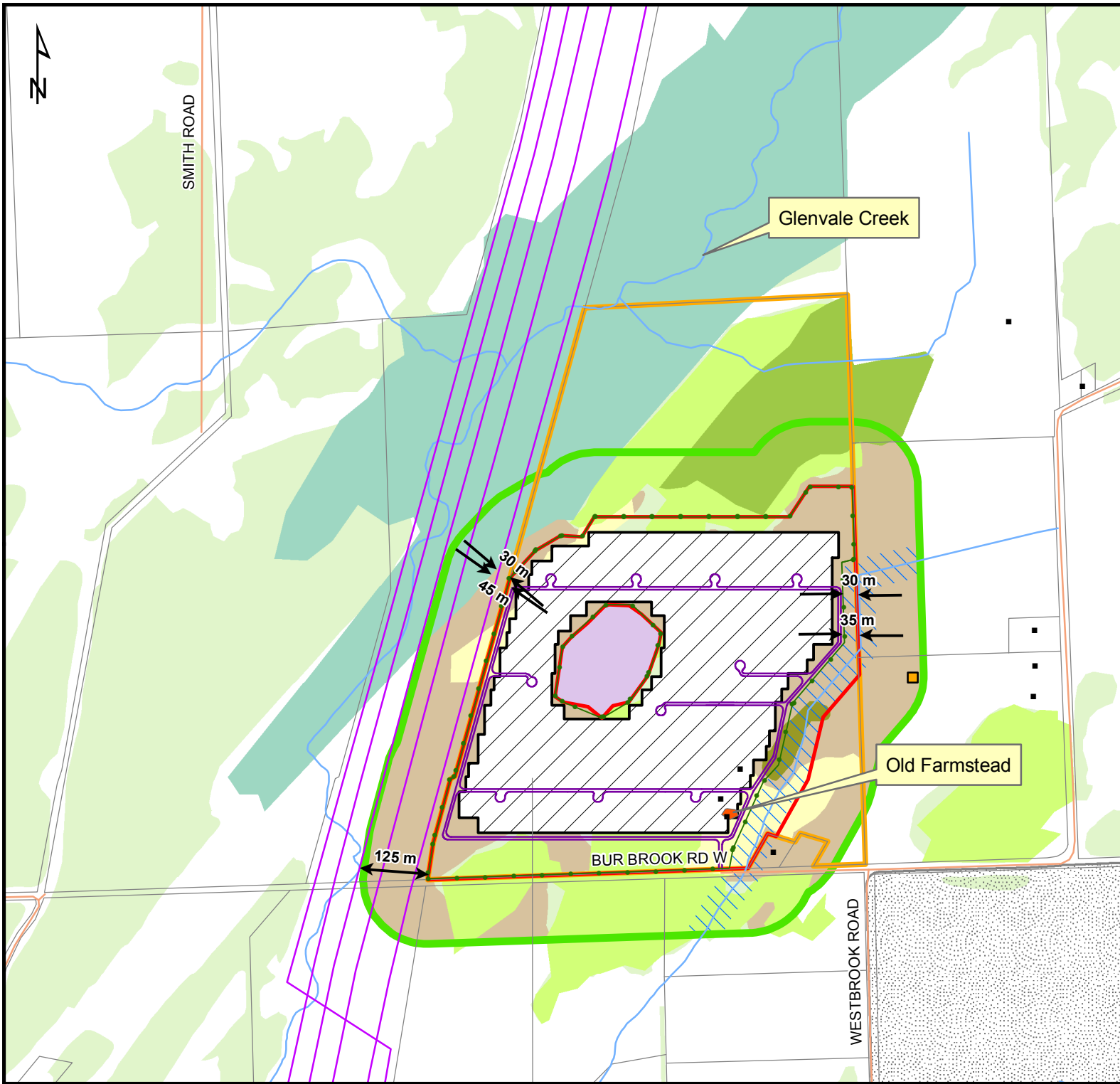
A handwritten signature in blue ink, appearing to read 'D. Reeves'.

Dan Reeves, B.Sc., M.Sc.
Project Biologist

6. Literature Cited

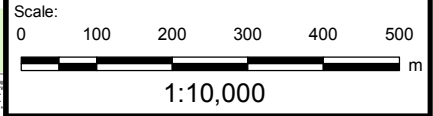
- Cataraqui Region Conservation Authority. 2006. Central Cataraqui Region Natural Heritage Study. 148pp.
- Department of Natural Resources Canada. 2010. The Atlas of Canada: Toporama – Topographic Maps. <http://atlas.nrcan.gc.ca/site/english/maps/topo/map>. Accessed March, 2012.
- Ontario Ministry of Municipal Affairs and Housing. 2001. Oak Ridges Moraine Conservation Plan. Queen's Printer for Ontario.
- Ontario Ministry of Municipal Affairs and Housing. 2005. Greenbelt Plan. Queen's Printer for Ontario.
- Ontario Ministry of Natural Resources. 2010. Land Information Ontario. <http://www.mnr.gov.on.ca/en/Business/LIO/index.html>. Accessed March, 2012.
- Ontario Ministry of Natural Resources. 2010. Ontario's Crown Land use Policy Atlas. <http://crownlanduseatlas.mnr.gov.on.ca/>. Accessed March, 2012.
- Ontario Ministry of Natural Resources. 2010. Natural Heritage Information Centre Database. http://nhic.mnr.gov.on.ca/nhic_.cfm. Accessed March, 2012.
- Ontario Ministry of Natural Resources. 2010. Natural Heritage Information Centre Biodiversity Explorer. <https://www.biodiversityexplorer.mnr.gov.on.ca/nhicWEB/main.jsp>. Accessed March, 2012.
- Ontario Ministry of Northern Development, Mines and Forestry. 2010. CLAIMaps viewer. <http://www.geologyontario.mndm.gov.on.ca/website/claimapsiii/viewer.htm>. Accessed March, 2012.
- Ontario Regulation 359/09 under the Environmental Protection Act. 2009.
- The City of Kingston Official Plan. August 1, 2011.

Figures



Legend

- Building
- Construction Yard
- Access Road Edge
- Fence Line
- Hydro Line
- Road
- Parcel
- Watercourse
- Watercourse 30 m Buffer
- Alvar Grassland
- Graminoid Meadow
- Dry-Fresh White Cedar Mixed Forest
- Fresh-Moist Lowland Deciduous Forest
- Wooded Area
- Maple Mineral Swamp Forest
- Lower Glenvale Creek Wetland
- Fresh-Moist Mixed Thicket
- Pit or Quarry
- Proposed Solar Panel Area
- Project Location Boundary
- Property Area
- 120 m Area of Influence



Project:
SunE Westbrook Solar Farm

Title:
Waterbodies and Watercourses

Project No.:
111-18734-00

Date:
March 2, 2012

Revision No.:
0

Figure No.:
1

Appendices

Appendix A

Agency Correspondence



CATARAQUI REGION CONSERVATION AUTHORITY
1641 Perth Road, P.O. Box 160 Glenburnie, Ontario K0J 1S0
Phone: (613) 546-4228 Fax: (613) 547-6474
E-mail: crca@cataraquiregion.on.ca Website: www.cataraquiregion.on.ca

May 17, 2011

Files: I-28/11
GC/CKN/2011

Sent by Mail and Email (j.sharp@mcintoshperry.com)

Jason Sharp, EIT
McIntosh Perry Consulting Engineers Ltd.
3240 Drummond Concession 5A
R.R.7 Perth, Ontario K7H 3C9

Dear Mr. Sharp:

**Re: Property Inquiry
Proposed Solar Power Project – AXIO Power Canada
Part of Lots 4 and 5, Concession 5, Western Division of the City of Kingston**

Cataraqui Region Conservation Authority (CRCA) staff are writing regarding your request for information regarding the above-noted site located in the City of Kingston.

The site is located on the north side of Burbrook Road. The site is currently undeveloped. Glenvale Creek crosses the north-west corner of the property. An unnamed tributary to Glenvale Creek crosses the south-eastern portion of the property. It appears that there is an unevaluated treed wetland of approximately 5 ha located in the north-eastern portion of the property. Another larger unevaluated wetland is located along Glenvale Creek.

Significant woodlands identified in the landscape scale Central Cataraqui Region Natural Heritage Study (CCRNHS) (CRCA, 2006) cover a large portion of the property. Contributory Woodlands are located in the south-west corner of the property.

The subject lands are currently designated 'Rural' in the City of Kingston Official Plan. Glenvale Creek and its tributary are designated 'Environmental Protection'. The lands are zoned 'General Agricultural Zone' (A2) in the implementing Zoning By-law (76-26). Glenvale Creek is zoned 'Environmental Protection Area' (EPA).

Discussion

The CRCA, in accordance with Section 2.2 of the Provincial Policy Statement and under Ontario Regulation 148/06: *Development, Interference with Wetlands, and Alterations to Shorelines and Watercourses*, regulates alteration to and development near a waterbody and a wetland. The purpose of Ontario Regulation 148/06 is to ensure that proposed changes (e.g. development and site alteration) to a

Member of



Conservation
ONTARIO
Nature's Progress

property are not affected by natural hazards, such as flooding and erosion, and that the changes do not put other properties at greater risk from these hazards. By virtue of this regulation, the CRCA regulates all development and site alteration activities (including filling) within 15 metres of a flood plain or erosion hazard, within 120 metres of Provincially Significant Wetland (PSW) boundaries and 30 metres of all other wetlands. Within a regulated area, written permission must be obtained from the CRCA prior to development taking place.

Glenvale Creek and its tributary

The CRCA does not have flood plain mapping for Glenvale Creek or its tributary. The CRCA, in accordance with Section 2.2 of the Provincial Policy Statement and under Ontario Regulation 148/06: *Development, Interference with Wetlands, and Alterations to Shorelines and Watercourses*, regulates alteration to and development near a watercourse. CRCA policy requires that future development be located a minimum distance of 30 m from the average high water mark or top of bank of a watercourse when the elevation of the regulatory flood plain is unknown. Please note that CRCA staff may request that a flood plain study be completed by a qualified professional in instances where staff believe that the extent of the flood plain exceeds the 30 m generic setback.

With respect to the proposed re-alignment of the tributary in the south-east portion of the property, the CRCA generally discourages watercourse re-alignment applications. We would suggest that consideration be given to re-aligning the blocks to allow the watercourse to remain in its current location or removing those blocks since there are two additional blocks shown on the plan that may not be needed.

Unevaluated Wetlands

Unevaluated wetlands are located adjacent to Glenvale Creek and in the north-eastern portion of the property. CRCA policies for implementing Ontario Regulation 148/06 require that all development and site alteration be set back a minimum of 30 m from the wetland boundary. The CRCA recommends that the extent of the wetlands be determined by a qualified individual. Any future development and site alteration must be located outside of the 30 m setback.

Significant Woodlands

The Central Cataraqui Region Natural Heritage Study (CCRNHS) (CRCA, 2006) identifies areas of 'Significant Woodlands' present on the subject property. The wooded area was identified as significant based on its area. The woodland is also identified as providing a linkage function for wildlife movement along its corridor. The City of Kingston Adopted Official Plan has incorporated the findings of the CCRNHS into a Natural Heritage 'B' designation and identifies the woodlands as significant on Schedule 8B of the Plan.

Policy 2.1.4 of the Provincial Policy Statement (2005) does not permit development and site alteration in significant woodlands unless negative impacts can be mitigated. The City's Official Plan and the CRCA Planning Policy restrict development and site alteration in significant woodlands unless it is demonstrated that there will be no negative impacts on the woodlands or their ecological functions. Policy 6.1.21 of the Official Plan encourages the preservation of both significant and contributory woodlands, and the consideration of all woodlands in the preparation of an environmental impact assessment. In addition, Section 6.1.22 of the City of Kingston Official Plan states that, "Areas of

Mr. Sharp
May 17, 2011

contiguous woodlands... [as] shown on Schedule 8, must be protected, enhanced and restored in the long term.”

Based on our review of the ‘Project Test Layout’ of the proposed photovoltaic project, it appears that some of the blocks would encroach upon the significant and contributory woodlands. Therefore, staff recommend that an assessment of the impact of the development on significant and contributory woodlands be undertaken by a qualified individual.

Endangered and Threatened Species

Wildlife within the wooded areas may contain species that are protected under Provincial and Federal Endangered Species legislation. CRCA staff suggest that you contact the Ministry of Natural Resources (MNR) to discuss obligations/restrictions that may need to be followed. The contact number for the Species at Risk Biologist at MNR’s Kemptville district office is (613) 258-8204.

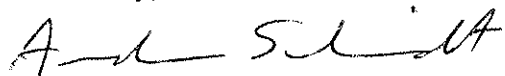
Summary

Portions of the property are subject to Ontario Regulation 148/06: *Development, Interference with Wetlands, and Alterations to Shoreline and Watercourses* as shown on the attached map. Therefore, development, including construction, filling and site grading may require a permit from this office under said regulation.

We trust that the above has addressed your inquiry. Please note that these comments reflect our understanding, at the time of writing, of the best available data, applicable policies and regulations. Changes in one or more of these factors may influence our comments. You are therefore encouraged to contact the CRCA prior to making a formal application, particularly if more than twelve months have passed since the date of this correspondence.

If you have any questions please contact the undersigned at (613) 546-4228 extension 244 or by e-mail at aschmidt@cataraquieregion.on.ca.

Yours truly,



Andrew Schmidt, C.Tech.
Development Officer

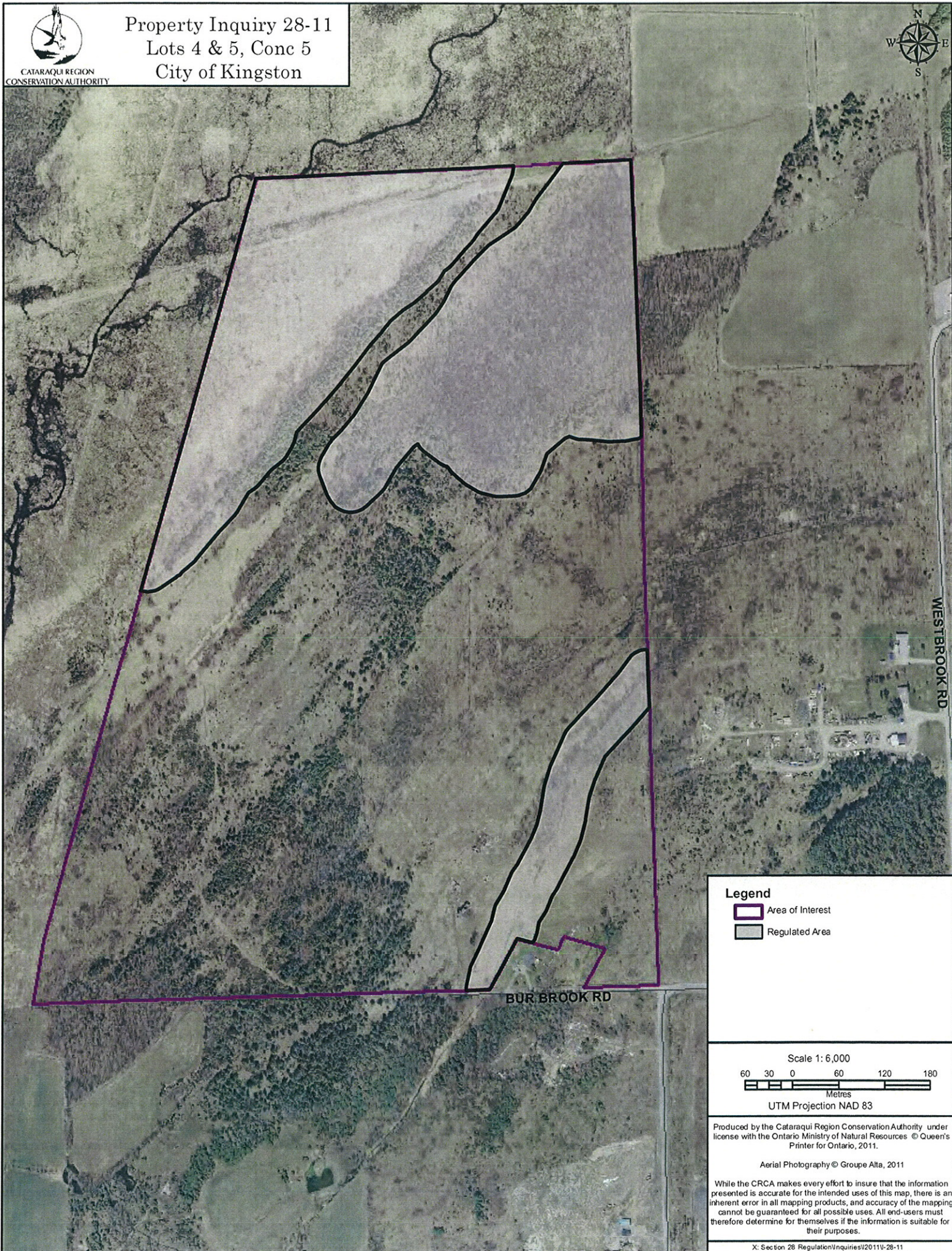
cc: Marnie Venditti, Manager-Development Approvals, Planning & Development Department, City of Kingston, via email

Attachment (s): Map showing regulated areas on the subject site



CATARAQUI REGION
CONSERVATION AUTHORITY

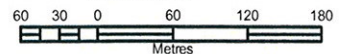
Property Inquiry 28-11
Lots 4 & 5, Conc 5
City of Kingston



Legend

-  Area of Interest
-  Regulated Area

Scale 1: 6,000



UTM Projection NAD 83

Produced by the Cataraqui Region Conservation Authority under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.

Aerial Photography © Groupe Alta, 2011

While the CRCA makes every effort to insure that the information presented is accurate for the intended uses of this map, there is an inherent error in all mapping products, and accuracy of the mapping cannot be guaranteed for all possible uses. All end-users must therefore determine for themselves if the information is suitable for their purposes.

**Ministry of
Natural Resources**
Peterborough District Office
300 Water Street
1st Floor, South Tower
Peterborough, ON K9J 8M5
Telephone: (705) 755-2001
Facsimile: (705) 755-3125

**Ministère des
Richesses naturelles**
Le bureau du district de Peterborough
C.P. 7000, 300 rue Water
Peterborough, ON K9J 8M5
Telephone: (705) 755-2001
Facsimile: (705) 755-3125



August 12, 2011

Genivar
1091 Gorham Street, Suite 301
Newmarket, ON L3Y 8X7
Attention: Erin Corstorphine, Biologist

Dear Ms. Corstorphine:

Re: MNR's Comments Request for Records for Westbrook Proposed Solar Power Project

This letter is in response to your request for information regarding natural heritage features for the proposed Westbrook Proposed Solar Power Project in accordance with the Records Review phase of the Natural Heritage Assessment as outlined in the Renewable Energy Approvals (REA) process (Ontario Regulation 359/09).

Based on the map and information provided, MNR has completed an internal search of available natural heritage information for Part of Lots 4 and 4, Western Division of the City of Kingston. According to MNR's known and available records, we offer the following comments with respect to the presence of natural heritage features in and around the property boundary as displayed in Figure 1- Natural Heritage Features dated July 27, 2011. Please note that any changes to the project location should be promptly brought to our attention.

MNR suggests that you review the Natural Heritage Assessment Guide for Renewable Energy Projects (NHAG), and the Significant Wildlife Habitat Technical Guide, early in your planning process to ensure that project related field work and data collection meets the appropriate standards and requirements. Additionally, please review the MNR's Approval Permitting and Requirements Document (APRD) to assess if additional permitting or authorizations under other MNR administered legislation, including the Endangered Species Act, are required to facilitate the construction and operation of the proposed solar facility.

Wetlands

There are no known Provincially Significant Wetlands within the project location or 120 metre buffer. However, there are several unevaluated wetland features associated with Glenvale Creek and its tributaries throughout the project boundary.

The REA Regulation defines wetlands as lands that are seasonally or permanently covered by shallow water and display the presence of particular soils and vegetation, other than land that is being used for agricultural purposes and no longer exhibits wetland characteristics. When conducting site investigations for wetlands, applicants must verify the boundaries of any wetlands identified through the records review, and establish the presence of any additional wetlands and their boundaries.

Areas of Natural and Scientific Interest (ANSI)

There are no known Areas of Natural and Scientific Interest, either Life or Earth Science within the project boundary or 120 metres thereof.

Please note that MNR assesses ANSIs as being provincially, regionally or locally significant. To date, more than 500 have been confirmed across the province. When conducting site investigations for ANSIs, applicants must verify the boundaries of all ANSIs identified through the records review. With the exception of specified provincial plan areas only ANSIs confirmed by MNR as provincially significant are afforded protection through the REA Regulation. Applicants are not required to identify additional ANSIs during the site investigation.

Woodland

Woodlands are scattered throughout the project boundary and the 120 metre buffer. Site investigation for woodlands involves confirming that woodlands identified through the records review meet the criteria in the definition of woodland as outlined in the REA Regulation and verifying their boundaries. Any previously un-assessed treed areas which meet the criteria for a woodland must be identified and their boundaries established. MNR recommends referring to the Natural Heritage Reference Manual for procedures and criteria to determine whether the woodland is significant. Additionally, the woodland features within the project location and 120 metres thereof should be considered for wildlife habitat.

Wildlife Habitat

Two large alvars are present beyond the 120 metre boundary of the project location. Otherwise there are no known significant wildlife habitats within the project boundary.

The Renewable Energy Approval Regulation defines “natural feature” as among other features, wildlife habitat MNR recommends that you review the Significant Wildlife Habitat Technical Guide (SWHTG) and the NHAG early in the site investigation planning process to ensure that the wildlife habitats identified and described within the guide are appropriately captured through the NHA process. Additionally, those wildlife habitats may be considered as candidate significant wildlife habitat and may require further evaluation through evaluation of significance if required.

Fish and Fish Habitat

Glenvale Creek and its tributaries traverse the project boundary and 120 meter thereof. MNR recommends that fish, fish habitat, thermal regimes and stream locations should be verified through the site investigation process. While this is not a requirement of the Ontario Regulation 359/09, a permit under other legislation may be required to proceed with the development of the proposed facility.

Provincial Parks and Conservation Reserves

There are no Provincial Parks or Conservation Reserves within proximity to the project boundary.

Where a project location is proposed within the setback of a natural feature which is inside a provincial park or conservation reserve, the park superintendent or conservation reserve manager should be contacted prior to undertaking site investigations, as a permit may be required. Applicants proposing projects within the setback of a provincial park or conservation reserve will also have to address the potential negative environmental effects to the Provincial

Park or conservation reserve itself, through an Environmental Impact Study. Applicants should consider discussing the features, functions and values of the protected area, as well as any field work required to complete an EIS during the site investigation stage.

Natural features in Specified Provincial Plan Areas – Oak Ridges Moraine & Greenbelt Plan

The project boundary is not located within the Oak Ridges Moraine Plan Area or the Greenbelt Plan's Protected Countryside Area.

Project locations which are proposed in the Oak Ridges Moraine Plan Area or the Greenbelt Plan's Protected Countryside Area require the identification of additional natural features during the records review, including sand barrens, savannahs, tallgrass prairies, and alvars. When conducting site investigations for natural features in the Oak Ridges Moraine Plan Area or the Greenbelt Plan's Protected Countryside Area, applicants must also verify the boundaries of any sand barrens, savannahs, tallgrass prairies, and alvars identified through the records review and establish any additional instances of these natural features and their boundaries. Applicants should note that although the site investigation must consider these additional natural features throughout the Greenbelt Plan's Protected Countryside Area, their development prohibitions and setbacks apply only to the Natural Heritage System of the Protected Countryside Area.

Oil, Gas and Salt Resources

There are no known petroleum wells within the project boundary or 120 metres thereof. However, we suggest you consult the Oil, Gas and Salt Library to confirm there are none of these resources within the general area and the project boundary. Please visit the online library at the following link: <http://www.ogsrlibrary.com/>

Species at Risk

A review of our available data records and our best available information indicates that Least Bittern (Threatened), Bobolink (Threatened) and Black Tern (Special Concern) are known to occur in the immediate area of the study site. In addition, Eastern Hog-nosed Snake (Threatened), Northern Map Turtle (Special Concern), Whip-poor-will (Threatened), Eastern Musk Turtle (Stinkpot) (Threatened), Loggerhead Shrike (Endangered), Short-eared Owl (Special Concern) and Snapping Turtle (Special Concern) are known to occur in the general area. Although no other threatened or endangered species or their habitat have been documented in the area of the proposed project, these features may be present and this list should not be considered complete.

Please note that Species listed as extirpated, endangered or threatened on the Species at Risk in Ontario (SARO) List are protected under the Endangered Species Act, 2007 (ESA). Section 9(1) of the ESA prohibits a person from killing, harming, harassing, capturing or taking a member of a species listed as endangered, threatened or extirpated on the SARO list. Section 10(1) of the ESA prohibits the damage or destruction of habitat of a species listed as endangered or threatened on the SARO list. Considerations for Species at Risk and any associated permits which may be required through the Endangered Species Act are administered through a separate process from the Renewable Energy Approval process.

MNR recommends conducting a preliminary site assessment to determine if species at risk or their habitat are likely to occur on the subject property or in the general surrounding area. This assessment is primarily a review of currently available information (e.g. from MNR,

municipalities, conservation authorities) including species distributions and habitat requirements at all life stages. However, preliminary field work may be necessary at this stage to confirm some of the available information. If a preliminary site assessment determines that no species at risk or their habitat are present on the subject property, then no further assessment may be necessary. If a preliminary site assessment determines that species at risk or their habitat may be present on the subject property, then we recommend completing a detailed site assessment that includes additional field investigations at the appropriate time of year by a qualified individual. MNR also recommends you fully evaluate your proposed project/activities for potential impacts to species at risk or their habitat to ensure that your proposed project activities will not contravene the ESA, 2007.

MNR should be contacted immediately if the assessment described above determines that species at risk or their habitat is present and may be impacted by on site activities. Activities should be modified to avoid any negative impacts to species at risk or their habitat until further discussions with MNR can occur regarding opportunities for avoidance or permitting requirements. Should you have any questions please contact the Peterborough District Species at Risk Biologist at 705-755-2001.

If any species at risk are found please contact Kate Pitt, Species at Risk Biologist, Peterborough District at 705-755-3104. Requirements of the ESA, 2007 with respect to renewable energy projects can be found in MNR's Approvals and Permitting Requirements (APRD) document. MNR also recommends that planning for site investigation should take place well in advance of the appropriate season and draft monitoring protocols or procedures should be submitted to MNR for review to ensure that work is completed in accordance with MNR guidelines or procedures or requirements.

Sincerely,

Sarah Lewis, Renewable Energy Intern
For:
Eric R. Prevost
Renewable Energy Planning Ecologist
Peterborough District MNR