Big Island (Boyd Island/Chiminis) Dark Sky Preserve

A Proposal
RASC Dark-Sky Program™

Component of Light Pollution Abatement Program

Key components of RASC Dark-Sky Program:

• control of local lighting;
• outreach programs aimed at the general public and neighbouring municipalities;
• demonstrate good nighttime lighting practices.
Dark-Sky Preserves™, Urban Star Parks™ and Nocturnal Preserves™

“The three designations reflect the benefit for outreach programs of readily accessible sites within or near urban areas and more remote dark sites for observing the pristine sky.”
- No artificial lighting visible.
- Educate/promote reduction of light pollution.
- Sky glow comparable intensity, or less, to that of natural sky glow.

- Artificial lighting strictly controlled.
- Educate/promote reduction of light pollution.
- Primary focus: protect nighttime environment.
- Astronomical access is not a prerequisite.

- Artificial lighting is strictly controlled.
- Educate/promote the reduction of light pollution.
- Sky glow may be visible to observers within area, but skies still usable for astronomy.
RASC Dark-Sky Program Sites
APPLICATION REQUIREMENTS
Preserve Nomination Documentation List (1 of 2)

• Statement of compliance to Guidelines for Outdoor Lighting
• Location & Description of proposed Preserve
• Zenith sky quality measurements (locate reading on map)
• Public outreach plan (education)
• Municipal outreach plan
APPLICATION REQUIREMENTS
Preserve Nomination Documentation List (2 of 2)

• Existing light fixture inventory (lighting audit)
• Lighting plan
• Images of observing sites taken during day & night
• Memorandum of Understanding between partners
• Letters of support and commitment from neighbouring municipalities
Potential Partner

Peterborough Astronomical Association

- Sky Quality Meter (SQM) Readings
- Application Process
- Public Outreach
- Municipal Outreach
Light Pollution Map

Source: www.lightpollutionmap.info
Proposed Next Steps...

- KLT approval to proceed
- Ecological Gifts Program notification/approval
- Approach PAA to discuss potential partnership
- Develop MOU with PAA
- Field visit(s) in Spring/Summer 2019/20
  - Sky Quality Measurements
  - Site Photos
- Solicit letters of support from local associations
- Joint KLT & PAA Delegations to MTL & COKL Councils
- Complete Application process
Long Term Commitments for KLT

• Public Education & Outreach
• Municipal Outreach
• Biennial Report to RASC