The Cameron County Dark Sky Park Virtual Meeting will start shortly



5:30 Presentation – general Q&A

- Sign in to the chat box (name and affiliation)
- ☐ Type your question into the chat box

After Review displays on-line using the following link

(https://www.lardnerklein.com/cameron-dark-sky)

Fill out questionnaire using QR code at right or

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Al Companion

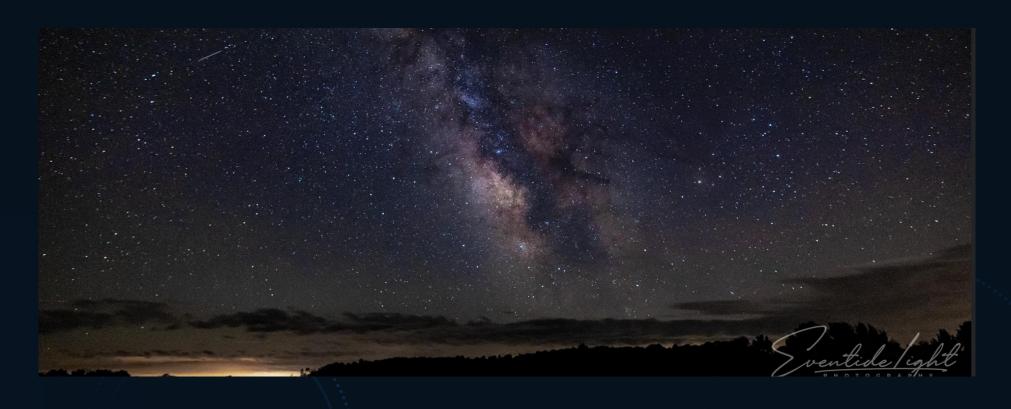










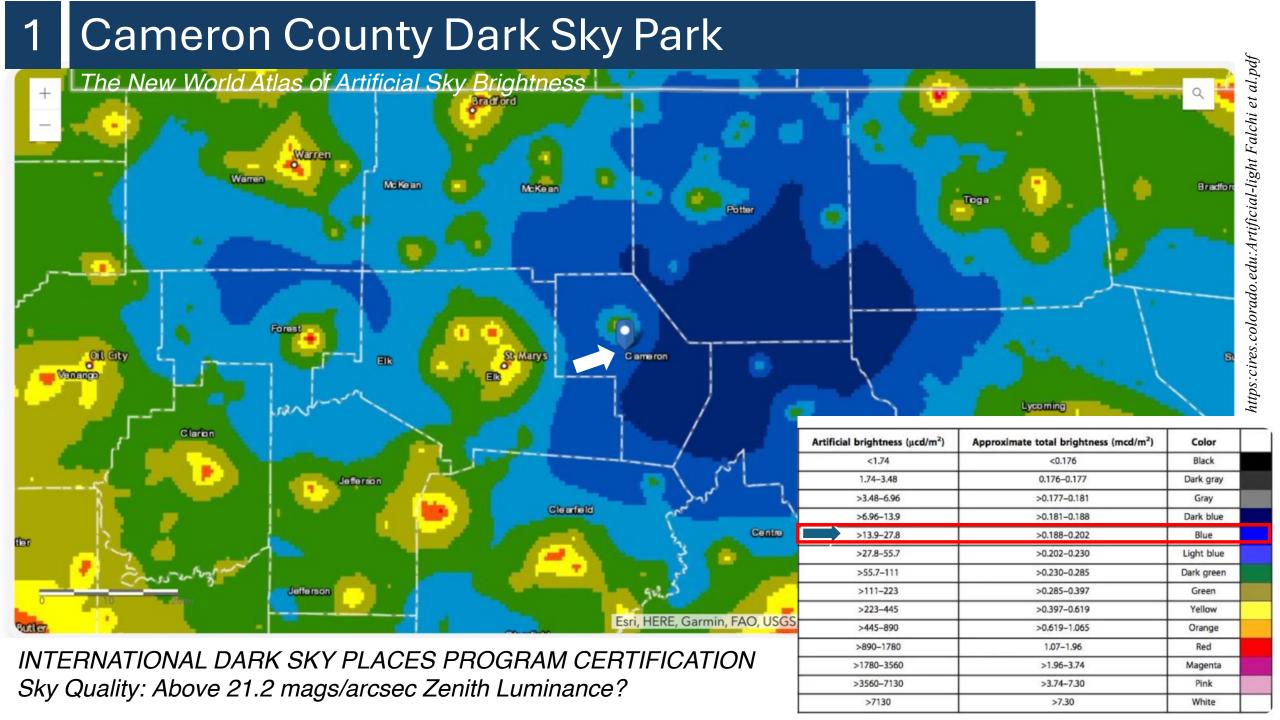


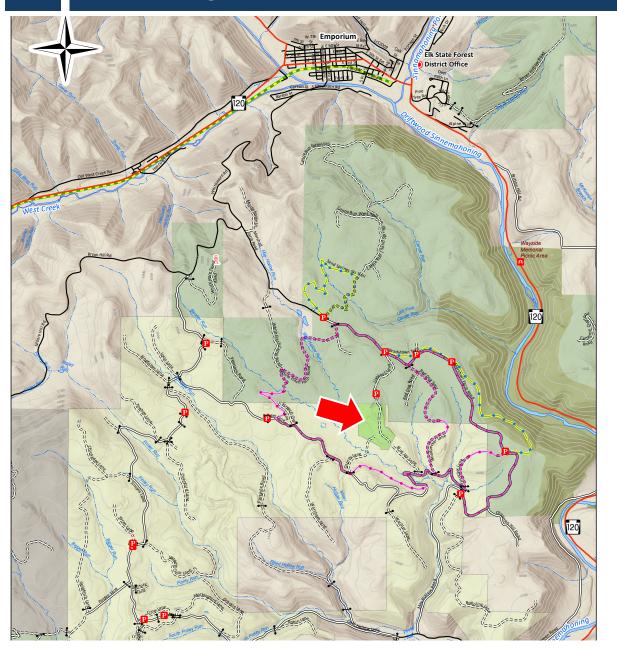
Help us Plan for the Cameron County Dark Sky Park

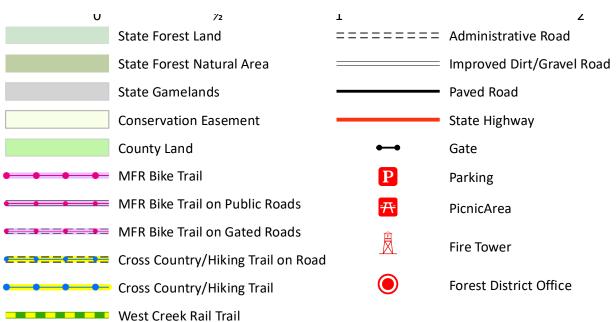




Provide an opportunity to learn about the Dark Sky Park Master Site Plan and meet with project planners and partners in the planning effort to review and discuss initial ideas early in the study process.





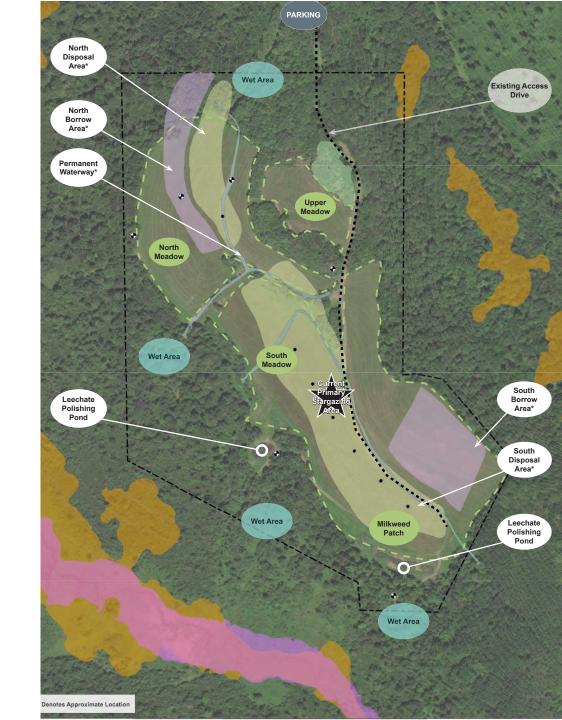


Equestrian Trail

3 Existing Site Conditions



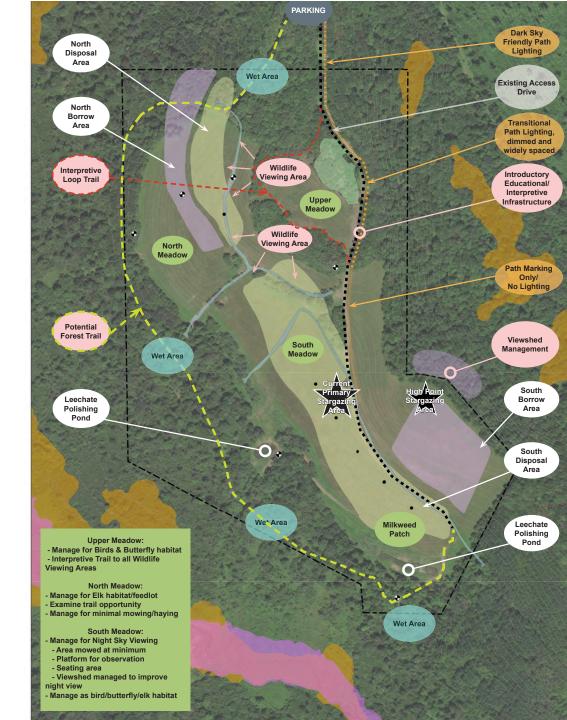




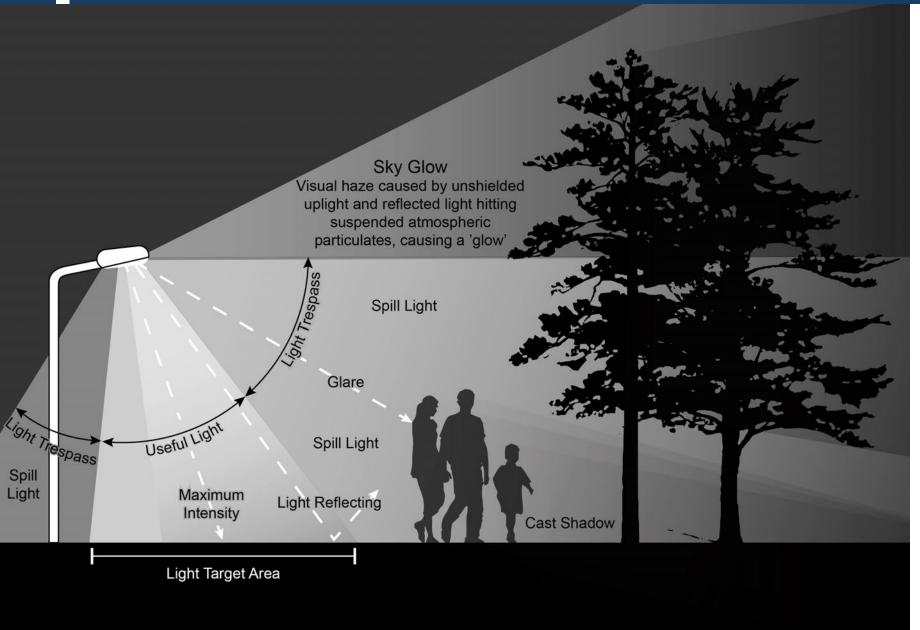
4 | Site Opportunities



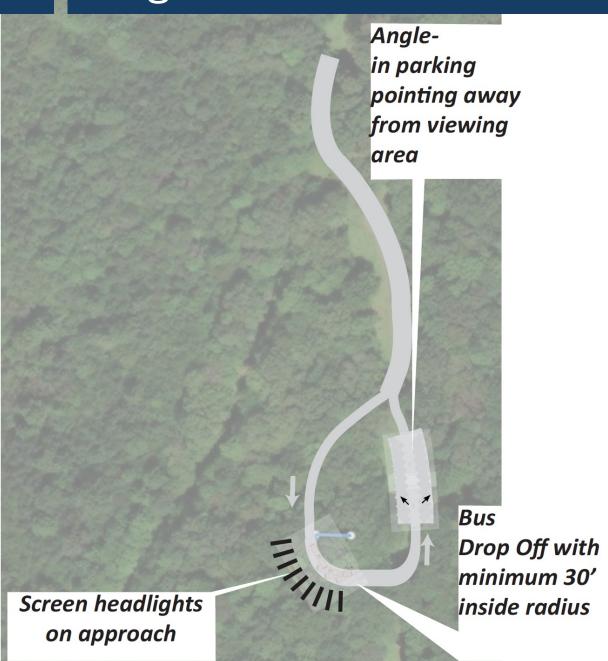




5 Program Elements: Parking Area Lighting











Program Elements: Pathway Marking and Lighting

From parking lot to start of upper meadow

Through upper meadow

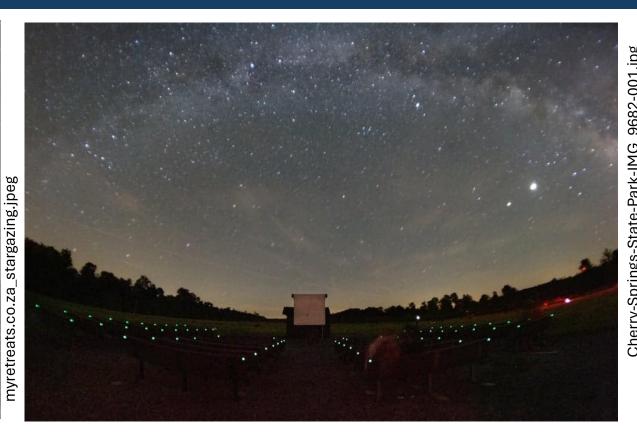




Program Elements: Seating / Gathering Areas



Stargazing Hammock Camp Located in Drakensberg, South Africa



Cherry Springs State Park

Program Elements: Pavillion/Storage/Power Supply



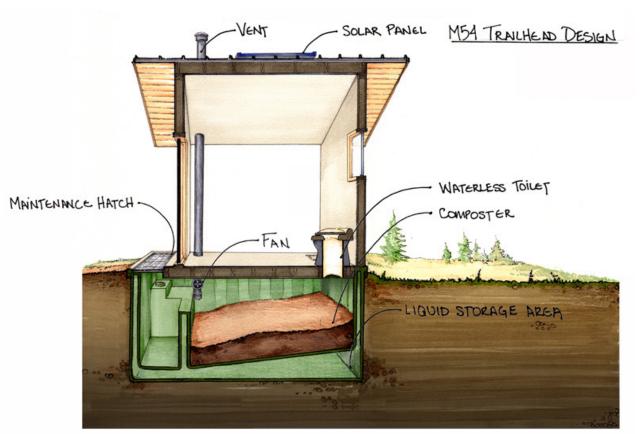


Guidelines for Pavilions:

- locate away from landfill cap (no excavation for footings within cap area
- use roof for solar energy
- no lighting within open shelter if located in open area

Program Elements: Restrooms/Water





- Composting Toilets (left)or Portable Facilities are under consideration
- No potable water is available, but can be provided for events

Program Elements: Restrooms/Water



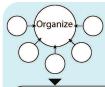
Lennox & Addington DarkSky Viewing Area, Ontario Canada https://www.facebook.com/DarkSkyViewing/



Portable Platform on a truck

Lennox & Addington Dark Sky Viewing Area Ontario Canada

International Dark Sky Places Program Certification



- Applicant reviews
- Develops a relationship with a Dark Sky Advocate
- Notifies IDA of intent to pursue application via inquiry form.



- IDSP evaluates site for eligibility and category
- Applicant notifies IDA of formal intent to apply for a specific certification & submits application fee.



· Work with IDSP manager to develop application with a plan that meets all requirements (or makes an achievable plan to do so)



Application

When the draft is finalized, provide Dark Sky staff 45 days notice before



Submit

- · If approved, application
- goes to the IDA. If approved with conditions, application is revised and resubmitted
- If rejected, an updated future application may be eligible for submission.



 IDA Board of Directors accepts or returns the application 10 business days after DSPC approval



Place Certificate

- **Good Standing**
- · Once fully endorsed, the certification is announced and the Place is added to the DarkSky website to assist with promotion and



- expansion of night sky

Built Environment Category:

- Provides a nighttime experience of reduced light pollution
- Utilizes effective lighting polices that use light only when necessary and create safe public spaces
- Protects nearby areas that depend on natural darkness.

Certification Types

Conservation Approach:

- The Milky Way is visible to the unaided eye
- · There are no artificial light sources nearby with significant glare
- Any light domes are dim, resisticted, and closer to the horizon

Community or Populated Area

International Dark-Sky Community



Niahttime public access and coutreach events



Dark-Sky Friendly Lighting Policy

Park or Protected Land with sky quality above or close to 21.1 mags/arcsec Zenith Luminance AND can be accessed by staff and visitors

International Dark-Sky Park



exceptionally Dark Sky



Legally Protected



Nighttime public access and coutreach

Lighting & Restoration Examples

Park with sky quality below 21.2 mags/arcsec Zenith Luminance, AND inside a city of 10k+ OR within 50km of a 50k+ metro area?

Urban Night Sky Place



Authentic Nighttime Experience



Nighttime public access and coutreach

events



Dark-Sky Friendly Lighting Policy

Park or Protected Land with sky quality above or close to 21.1 mags/arcsec Zenith Luminance AND is very remote with minimal capacity for staff

International Dark-Sky Sanctuary



public access and coutreach events

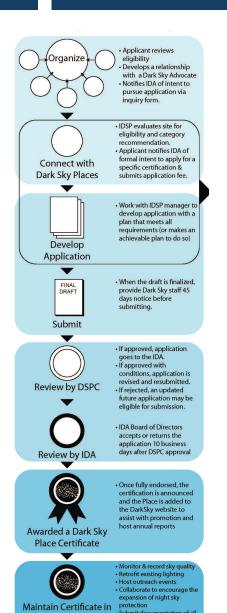


Protected. exceptionally Dark Sky



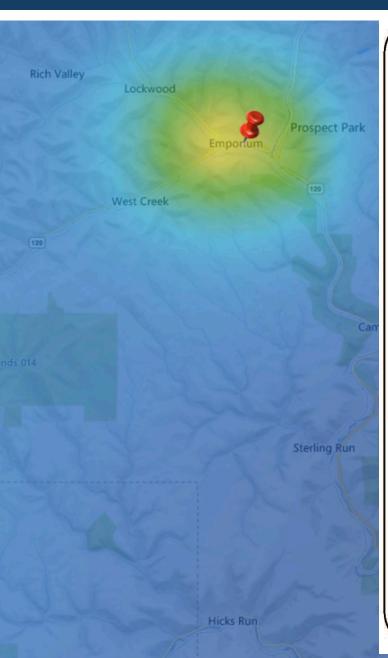
External Communication

International Dark Sky Places Program Certification



Good Standing

efforts in an IDSP Annual



Cameron County Dark Sky Park International Dark-Sky Park

Requirements



Protected, Exceptionally Dark Sky

- Utilize the Bortle Scale to estimate sky quality
- Measure sky quality with a Unihedron SQM-L
- Record your data, document with photography & details
- Track and record changes over time



The Land is Legally Protected

- Public lands are managed with clear objectives for conserving and protecting lands for use and enjoyment
- Conservation easements or covenants can be used to provide similar protections to private land



Nighttime public access and coutreach events

- At least 4 educational events a year are required; more is preferable
- Extensive publications, flyers, press releases, media, social media, or other methods of outreach may be acceptable substitutions



- Lighting & Restoration Examples
- Each light must comply with the Five Principles for Responsible Outdoor Lighting
- Interpretive signage or other guidance should be available to educate community members and visitors on methods that can be used to reduce light pollution

How to provide input

- 1) Write comments on the back of this agenda and leave with the planning team
- 2) Leave sticky notes on displays or mark up table top maps
- 3) Fill out the questionnaire
- 4) Send an email to: darkskypark@lardnerklein.com
- 5) View presentation and displays here: https://www.lardnerklein.com/came ron-dark-sky

Please provide input by JUNE 23

NIGHT SKY VIEWING ENHANCEMENTS

Please identify potential enhancements (compatible with dark sky view interest in visiting the Dark Sky Park.	• · · · · · · · · · · · · · · · · · · ·
DAYTIME USE	
Please identify any compatible daytime uses at the Dark Sky Park that i visiting the park.	ncrease your interest in
2	
COMPORT LEVEL	
COMFORT LEVEL	
Please indicate any enhancements that would increase your comfort le at night that would not interfere with night sky viewing	vel visiting the Dark Sky Park
s =	
OTHER GENERAL COMMENTS OR SUGGESTI	ONS
The presentation and meeting displays will be posted here	
https://www.lardnerklein.com/cameron-dark-sky	at the time of the meeting.

Send your comments or questions to: darkskypark@lardnerklein.com

This project is financed in part by a grant from the Community Conservation Partnerships Program and the Heritage Areas Program under the administration of the Pennsylvania Department of Conservation and Natural Resources, Bureau of Recreation and Conservation.

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Al Companion







