

Goblin Valley State Park IDSP 2017 Annual Report

General

- Current information for the site IDA contact *Nathan Martinez, nathanmartinez@utah.gov (435)275-4584*
- Does this site currently have Provisional status? If so, what work has been done in the past year to resolve concerns that resulted in the Provisional designation?
No

Parks/Reserves:

- Does the site plan to apply for a tier status upgrade in the future? If so, what work has been done in the past year furthering the application? *No, we are already a gold-tier park*
- Estimate number of site visitors in the last year. Of those, how many participated in dark-skies programming? *We estimate a total of about 240,000 visitors this year. We held 8 dark-sky programs with a total of 350 people in attendance. We lost one of our night sky interpreters but are hoping to increase our number of dark sky programs for the next year by providing some full moon interpretive programs.*

Lighting

Parks/Reserves:

- Were any new lighting projects completed this year? If so, describe. *We recently added a new bathroom at our observation point but have not yet added any lighting to it. When lighting is added we will make sure that it is dark sky compliant and will update the IDA with a lighting plan for the bathrooms.*
- Is any lighting within the park non-compliant with the LMP (as permitted at the time of IDA designation)? If so what is the plan to bring the remainder into compliance within the allowed window of time? *All lighting is compliant.*
- Was any new territory added to the park? If so, does any lighting on it comply with the LMP? If lighting on new territory doesn't comply, is there a plan to bring it into compliance? *No new territory has been added to the park.*

Sky Quality

- Were sky quality data taken in the past year? If possible, include a table or figure showing the information. *A table with our current sampling results for 2017 is attached at the end of this report. Overall quality seems to be the same as last year.*
- Did sky brightness increase over the previous year? Decrease? *There was no significant change in our brightness over the previous year.*
- Is a permanently mounted sky monitor installed, or are there plans to install one? *No, we do not currently have a permanently mounted sky monitor.*

Conservation and Research (Parks/Reserves)

- Any ongoing conservation and/or research programs at the site? If so, who runs them, and what are the goals? *No*
- Are there any new research results to report? Have any been published this year? *No*

Funding

- Currently administering any grants related to dark-skies programming? If so, describe. *No*
- Were any new grants won this year? *No*
- Are there any plans to apply for any future grants? *No*

Arts and Culture

- Is any programming ongoing or planned blending the arts/culture with dark skies? If so, describe. *We assisted Goosenecks State Park with an interpretive program this spring and were able to blend ancestral Puebloan culture with the night sky program. We plan on continuing to assist Goosenecks State Park with their dark sky efforts. We also coordinated with Utah symphony to host a Brass Quintet Ensemble on September 1st and hosted a night sky party that evening in conjunction with the concert. The event was coordinated to highlight the beautiful natural environments in the state of Utah.*

Outreach

- Were any new programs begun this year? *We continue to hold telescope programs on the new moons of each month, but unfortunately lost one interpretive programmer who did our full moon hikes each month. We are planning on hiring a seasonal to conduct full moon hikes for us for the 2018 season.*
- If so, are they complete or ongoing? *Our new moon telescope programs are held each month.*
- Are statistics available (e.g. how many visitors served, donations, etc.)? *We have been keeping track of the number of visitors attending the programs and had a total of 350 people in attendance at our night sky programs.*

Community and Media Relations

- Any new media coverage you would like us to know about? May include PDF's as attachments. *Goblin Valley State Park was mentioned in this article highlighting our low level of light pollution and wonderful night skies (<https://www.vox.com/science-and-health/2017/2/12/14484826/orion-light-pollution-video>)*
- Any engagement with local governments, community organizations, or private landowners in the past year to report. *We provided a night sky telescope event in association with the John Wesley Powell Museum in the city of Green River for the community.*

Goblin Valley Night Sky Sampling Results:

Data Point	Nov 2016	Dec 2016	Jan 2017	Mar 2017	Jun 2017	Aug 2017
North Exit	21.64	21.56	21.47	21.78	21.66	21.59
East Exit	21.58	21.5	21.46	21.84	21.63	21.58
West Exit	21.77	21.57	21.5	21.78	21.64	21.65
Fremont Display	21.58	21.52	21.49	21.71	21.67	21.61
Visitor Center	21.52	21.55	21.45	21.71	21.59	21.62
OHV area	21.71	21.63	21.5	21.81	21.66	21.56
Residence	21.64	21.55	21.49	21.62	21.41	21.76
Campground	21.61	21.51	21.47	21.76	21.67	21.55
Group Site	21.69	21.57	21.51	21.77	21.67	21.56
3 sisters	21.67	21.52	21.43	21.64	21.64	21.69
Carmel Canyon	21.64	21.57	21.49	21.67	21.62	21.66
Curtis Bench	21.55	21.52	21.56	21.66	21.64	21.67
Obs. pt.	21.61	21.48	21.39	21.73	21.58	21.62
Park Average	21.63	21.54	21.48	21.73	21.62	21.62