



SCIENCE IN SERVICE OF WILDLIFE AND WILDLANDS

Lindsey Nielsen
Central Wasatch Commission
Sent via email: lindsey@cw.cw.utah.gov

February 23rd, 2023

RE: Proposal for Central Wasatch Commission (CWC): Reestablish full functionality of The Central Wasatch National Conservation & Recreation Area (CWNCRA) story map

Dear Lindsey,

Sageland Collaborative is a 501(c)(3) non-profit organization based in Salt Lake City, Utah. For over 25 years, we have been providing science in support of wildlife and land conservation in Utah and the Intermountain West.

In addition to our conservation programs, we work with clients that share our commitment to conservation and offer them our expertise. Because our work is rooted in objective conservation science, we value the highest ethical and professional standards. Our staff has extensive expertise in large-scale conservation assessments, data analytics, and mapping to better inform decision making and land management. Sageland Collaborative staff also have experience as environmental consultants in the private sector. We are expert project managers and understand how to respond to our clients' most challenging project needs.

We understand that CWC is seeking a qualified contractor to reestablish full functionality of The Central Wasatch National Conservation & Recreation Area (CWNCRA) story map. We are pleased to present this proposal and look forward to working with the Central Wasatch Commission again.

Please let me know if you have any questions,

Mary E. Pendergast, Ph.D. Ecologist
Sageland Collaborative

1 Project Team

For this project, we propose Dr. Mary E. Pendergast, Ecologist at Sageland Collaborative, will serve as Project Manager and lead Scientist as needed. She will be supported by Dr. Susan Bush, geography and biology researcher at University of Utah. They have collaborated on multiple phases of the Central Wasatch Environmental Dashboard Development.

2 Scope of Work

We understand the objective of this effort is to reestablish full functionality of The Central Wasatch National Conservation & Recreation Area (CWNCRA) story map. This will require one, perhaps two phases as follows:

Phase 1) Fix the current classic story map to display map data feature layers that have disappeared from the maps and/or **Phase 2)** Transition to creating the story map in the currently supported ESRI StoryMaps platform (this should be done regardless at some point – see detail from ESRI below; this may have to be done sooner rather than later if the action taken to address 1) is unsuccessful due to classic story map features or corrupted elements that are no longer being updated or supported by ESRI. However, it should be noted that if Phase 2 is necessary now, the tasks of Phase 1 would have to be completed regardless for the transition.

Phase 1. Resolve existing story map issues displaying data

The current published version of the story map points to Aug2019-labeled web map files in the Sageland Collaborative ArcGIS online content, but for which access to many of the feature layers is broken. There is another version, which was not yet made public (presumably a working version to be published as an update) that points to Wasatch NCRA story map Nov2019 files, which are also in the ArcGIS online content.

Task 1. Extract available base data and create independent feature layers

We will extract available base data and create independent feature layers content within the Sageland Collaborative ArcGIS online account. There is a current total of 21 feature layers. The approach will include creating a map in ArcGIS Pro with the extracted feature layers, followed by a meeting with Susan, Mary, and Lindsey, in which Susan shares the map screen and we can all review the layers together to make sure we are in agreement regarding the data/feature layers to be uploaded to the ArcGIS online content and incorporated into the web maps.

Task 2. Add feature layers (data) to existing story map

In order to restore function to the story map with attributes no longer supported by ESRI there are multiple steps that may need to occur including:

- Delete all current links to layers in the existing web maps and add the feature layers back to each map independently from ArcGIS online content (Task 1). This may resolve the issues with displaying existing layers.
- If needed, create and update the links and affiliated six maps (tabs) affiliated with the existing version of the published story map (The budget will be reduced if this is not necessary).
- If needed, resolve or update any new aesthetic issues that may come up with the new version and meet with CWC to assimilate feedback on new aesthetic (The budget will be reduced if this is not necessary).

Phase 2. Future Recommended Option: Transition to creating the story map in the currently supported ESRI StoryMaps platform

A significant amount of the work for transitioning to the currently supported StoryMaps platform will already have been completed during Phase 1. Additional time required to transition to the StoryMaps platform would be dependent on degree of modification to current design, associated text, images, data updates to maps, and any other elements accordingly. We suggest that if there is interest and funding that CWC transition over to StoryMaps now (recommended), Phase 1 would need to be completed regardless and a meeting should be scheduled to address general design, updates, requested changes etc. in order to reasonably estimate time required to complete the transition. You can find information from ESRI regarding updating to the current StoryMaps platform here: <https://storymaps.arcgis.com/stories/472a6ddd582b40b58a5a6af2c30a4573>

Excerpts from ESRI re: StoryMaps current support

What about my classic stories? Before diving into the details, we want the Esri storytelling community to know the classic templates are **not** immediately "going away." They are, however, in the process of gradually being phased out as we focus our efforts on the current-generation platform, ArcGIS StoryMaps. We also want to be very clear about a few things: You'll be able to edit stories you've created with the classic templates for several years. Stories created with classic templates will continue to exist for a long time. That being said, the classic templates are moving into the later phases of the Esri Support Lifecycle, which means they are not current technology and won't be around forever. As web browsers and other related technologies change, things may stop working as expected at some point. These things are difficult to predict with any certainty, so it's strongly advised that everyone plan and implement a transition from the older classic templates to the current-generation ArcGIS StoryMaps as soon as possible. It's strongly advised that everyone plan and implement a transition from the classic templates to ArcGIS StoryMaps as soon as possible.

Do I need to Switch? In a word, yes. It's been several years since the release of ArcGIS StoryMaps (and since we [initially announced](#) the transition of the classic templates). In that time we've released shiny, new versions of all the most popular classic templates and features. No matter what types of stories you're making with our classic templates you'll find something similar (but more modern!) in ArcGIS StoryMaps. As mentioned above, the classic templates are in extended support and moving through the later stages of the support lifecycle. Creating new stories with templates that are in extended support is not recommended. Everyone should be using ArcGIS StoryMaps for new projects. If you have high-profile classic stories that are getting a lot of traffic, it is recommended that you look at recreating them in ArcGIS StoryMaps so they have a bright future. Creating new stories with templates that are in extended support is not recommended.

3 Assumptions

- One in-person or virtual meeting will take place before and after Task 1 for a total of 2 meetings.
- One in-person or virtual meeting will take place after Task 2 is completed.
- One round of assimilating feedback from CWC after Task 2 is completed.
- Only existing data layers will be considered in this process. (No novel data features and layers will be required).

4 Schedule

We propose the following deadlines, provided work can begin by March 13th, (Table 1).

Table 1. Proposed Schedule.

Action/Deliverable	Deadline
Task 1. Extract available base data and create independent feature layers	May 1 st , 2023
Task 2. Add feature layers (data) to existing story map	May 1 st , 2023
Potential Future Option. Phase 2	TBD: based on conversation with CWC re: needs and goals

5 Cost

Our proposed Time and Material, not to exceed budget for this scope of work is \$5,600.00 and are provided in Table 2. If a change to the scope of work occurs, the Project Manager will provide CWC a description of the change and the impact on the scope of work, budget, assumptions, deliverables, schedule, resources, or other items.

Table 2. Budget.

Staff	Units		Total (\$)
Task 1. Extract available base data and create independent feature layers			
Ecologist and Project Manager			2,060.00
Task 2 Add feature layers (data) to existing story map*			
Ecologist and Project Manager			3,540.00
Potential Future Option. Phase 2			
Ecologist and Project Manager	TBD		TBD
TOTAL			5,600.00

*The total cost for Task 2 may be reduced by almost half if portions of Task 2 or not needed (see Task 2 description above).