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From: Roberson, Edwin

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Subject: GSENM and BENM

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[GSENM_ArchNumofSites.pdf](#)

[GSENM_ArchSites.pdf](#)

[GSENM_Inventories.pdf](#)

[GSENM_SiteDensity.pdf](#)

[BearsEarsLandowners.pdf](#)

[BearsEarsSites_Comparison.pdf](#)

[EnergyDev_BENM.pdf](#)

[HistoricBldgs_BENM.pdf](#)

[ArchDistricts_BENM.pdf](#)

[ArchaeologicalSites.pdf](#)

[SiteDensity.pdf](#)

Here are some maps of cultural and heritage resources for the two monuments that our folks have worked on with the SHPOs office.

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Ed Roberson,

Utah BLM State Director

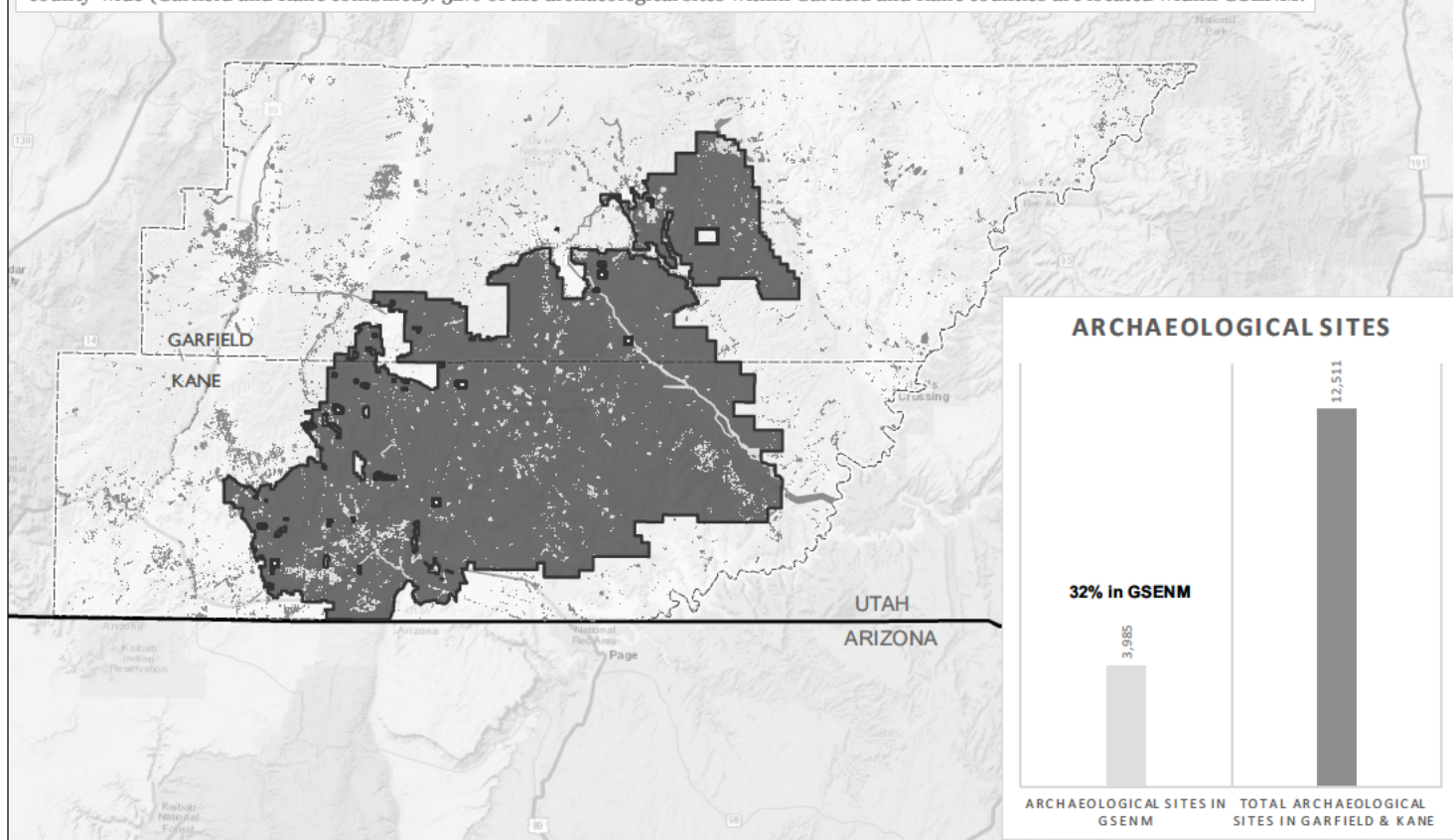
Office Phone: 801-539-4010

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Website: <https://www.blm.gov/utah>

Archaeological Sites in Grand-Staircase Escalante N.M.

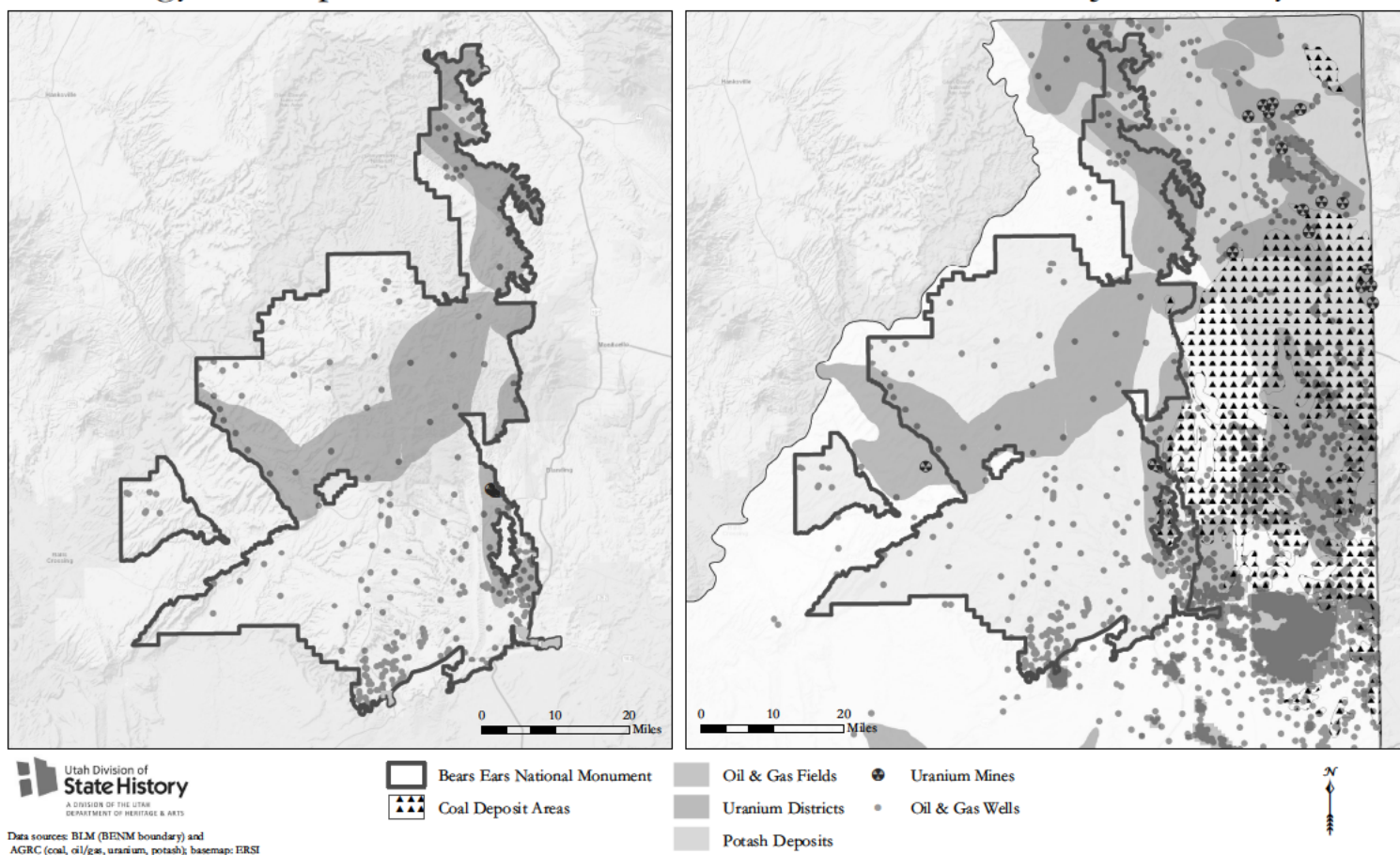
There are 3,985 known archaeological sites encompassing 10,304 acres that fall within GSENM, versus 12,511 county wide (Garfield and Kane combined). 32% of the archaeological sites within Garfield and Kane counties are located within GSENM.



- Grand-Staircase Escalante National Monument
- Archaeological Sites in GSENM
- Archaeological Sites in Garfield & Kane Counties
- Area Not Inventoried
- Counties

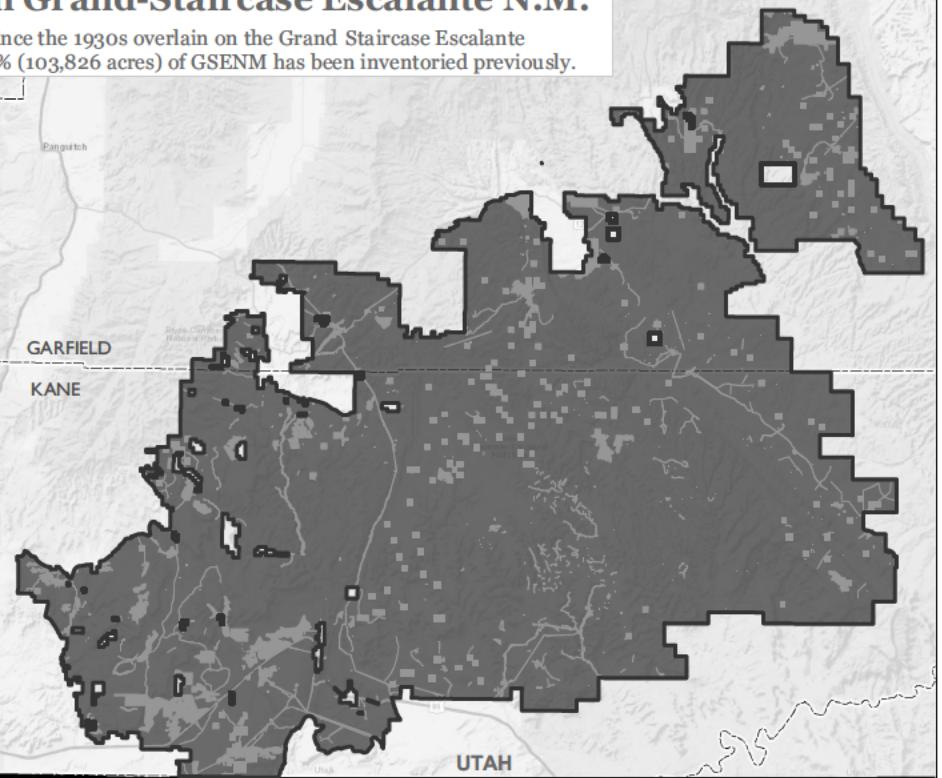
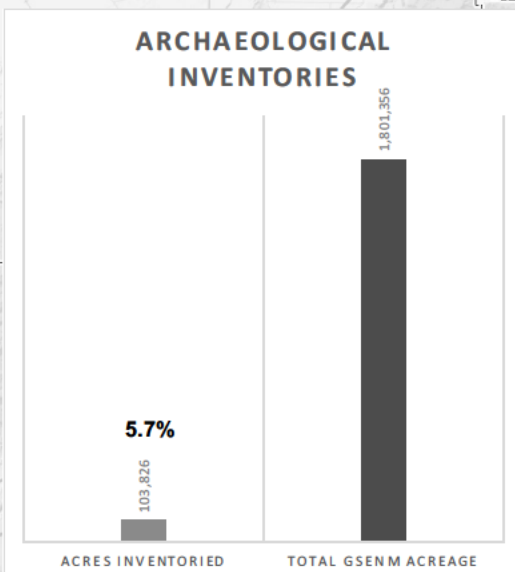
Map produced by Christina Epperson, GIS Analyst - Antiquities Section, March 6, 2017
 Data sources: Utah Division of State History & ESRI basemap
 Coordinates in UTM NAD 83





Energy Development in Bears Ears National Monument & San Juan County



Archaeological Inventories in Grand-Staircase Escalante N.M.

Shows areas inventoried for archaeological resources since the 1930s overlain on the Grand Staircase-Escalante National Monument. From our data it appears that 5.7% (103,826 acres) of GSENM has been inventoried previously.



 Grand-Staircase-Escalante National Monument
  Area Not Inventoried
 Archaeological Inventoried Sites
  Counties

Map produced by Christina Epperson, GIS Analyst - Antiquities Section, March 6, 2017
Data sources: Utah Division of State History & ESRI basemap
Coordinates in UTM NAD 83

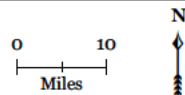
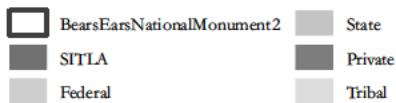
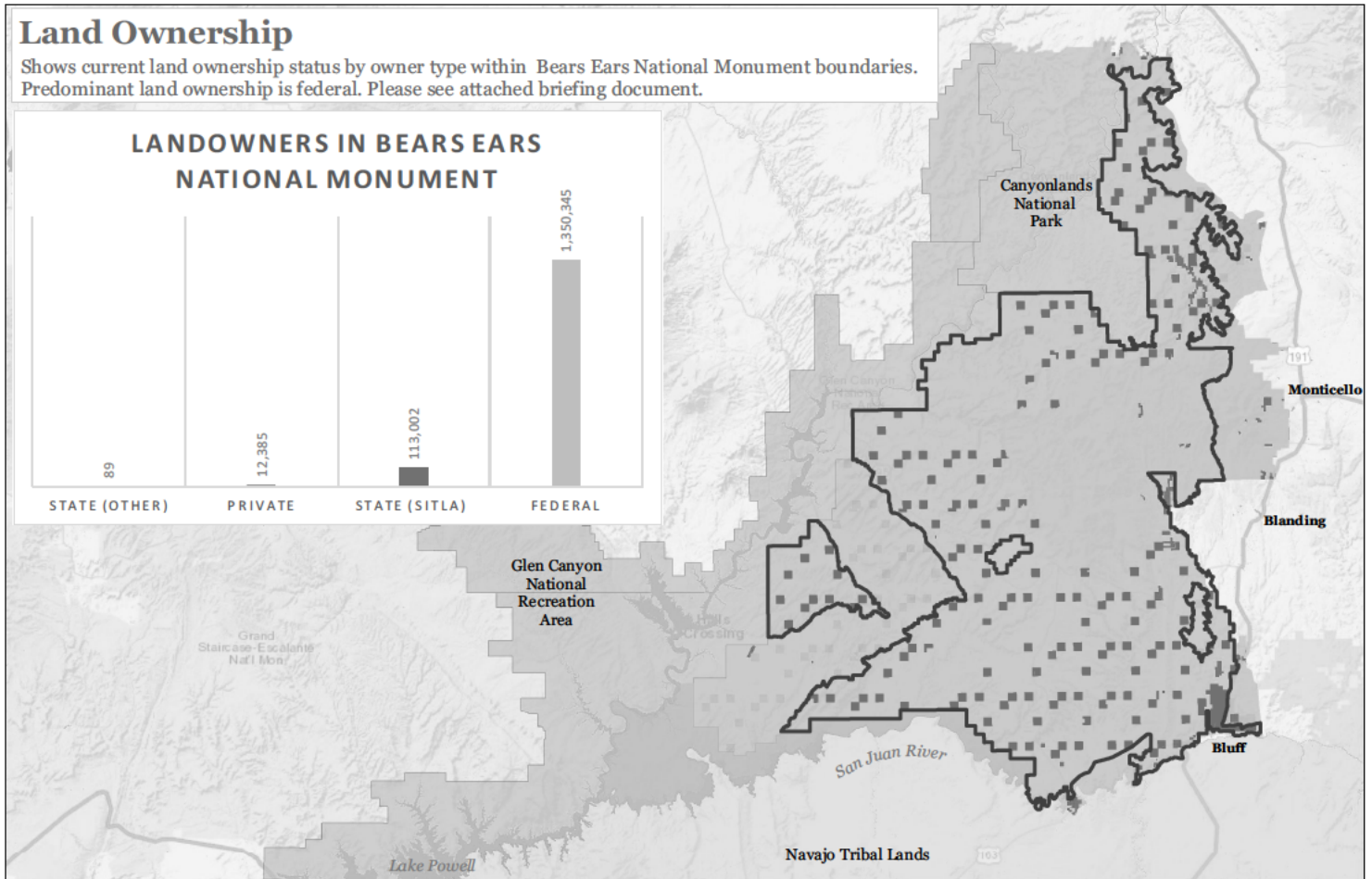
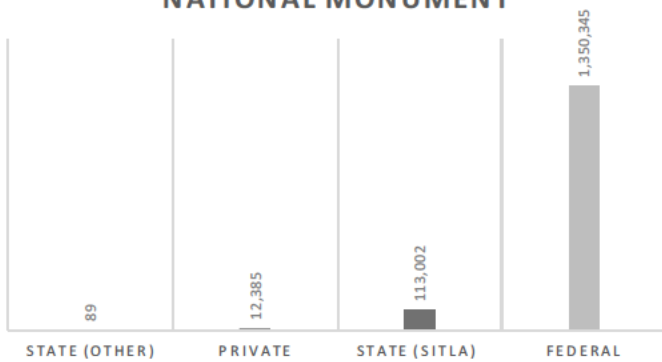
A horizontal number line with tick marks at 0, 5, and 10. The word "Miles" is written below the tick mark at 5.



Land Ownership

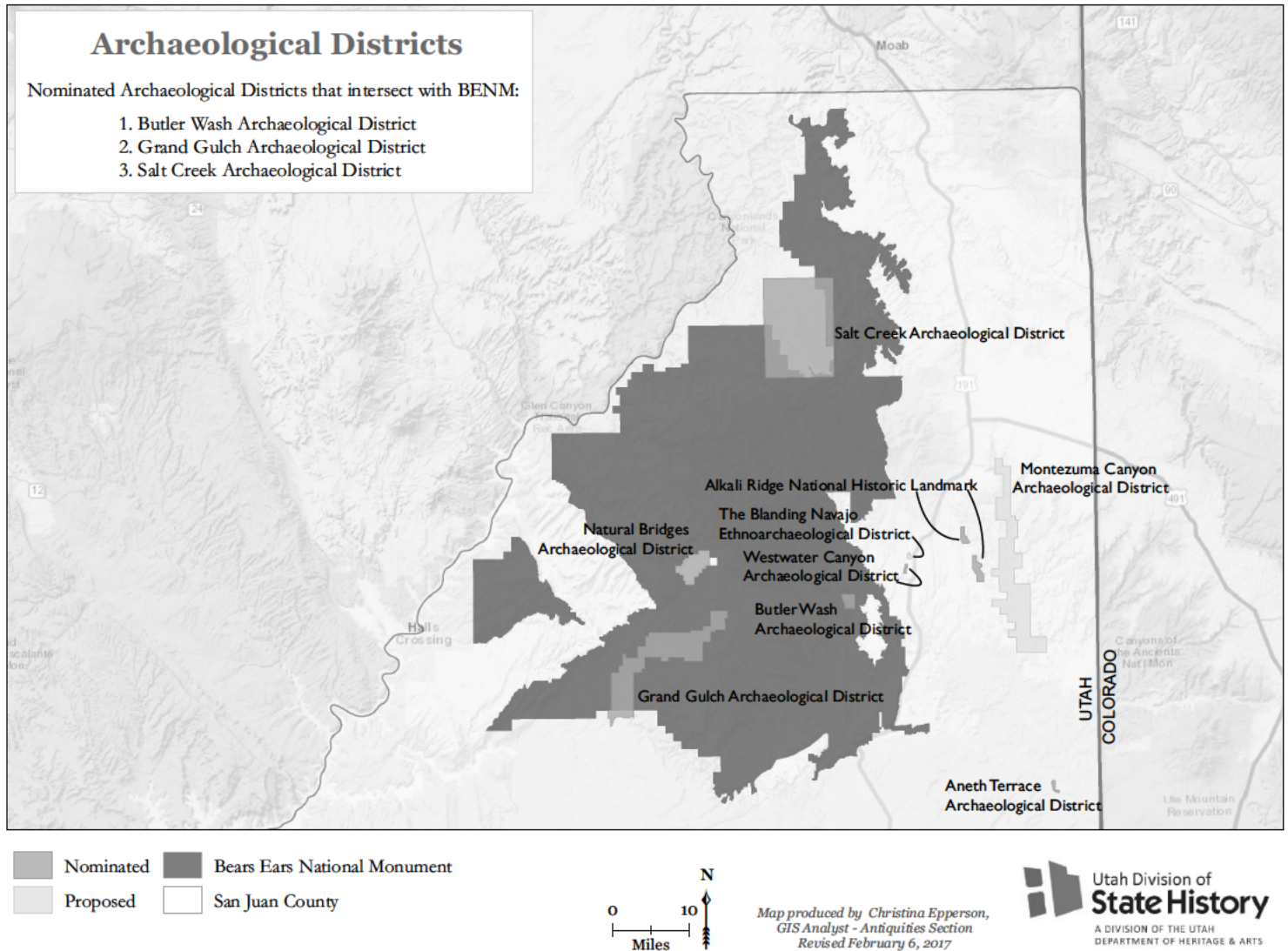
Shows current land ownership status by owner type within Bears Ears National Monument boundaries. Predominant land ownership is federal. Please see attached briefing document.

LANDOWNERS IN BEARS EARS NATIONAL MONUMENT

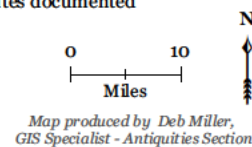
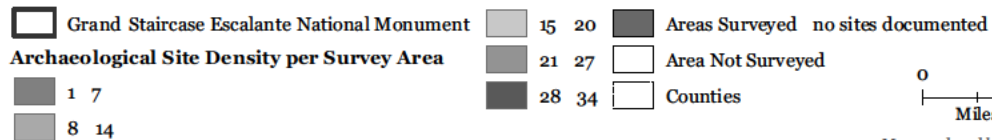
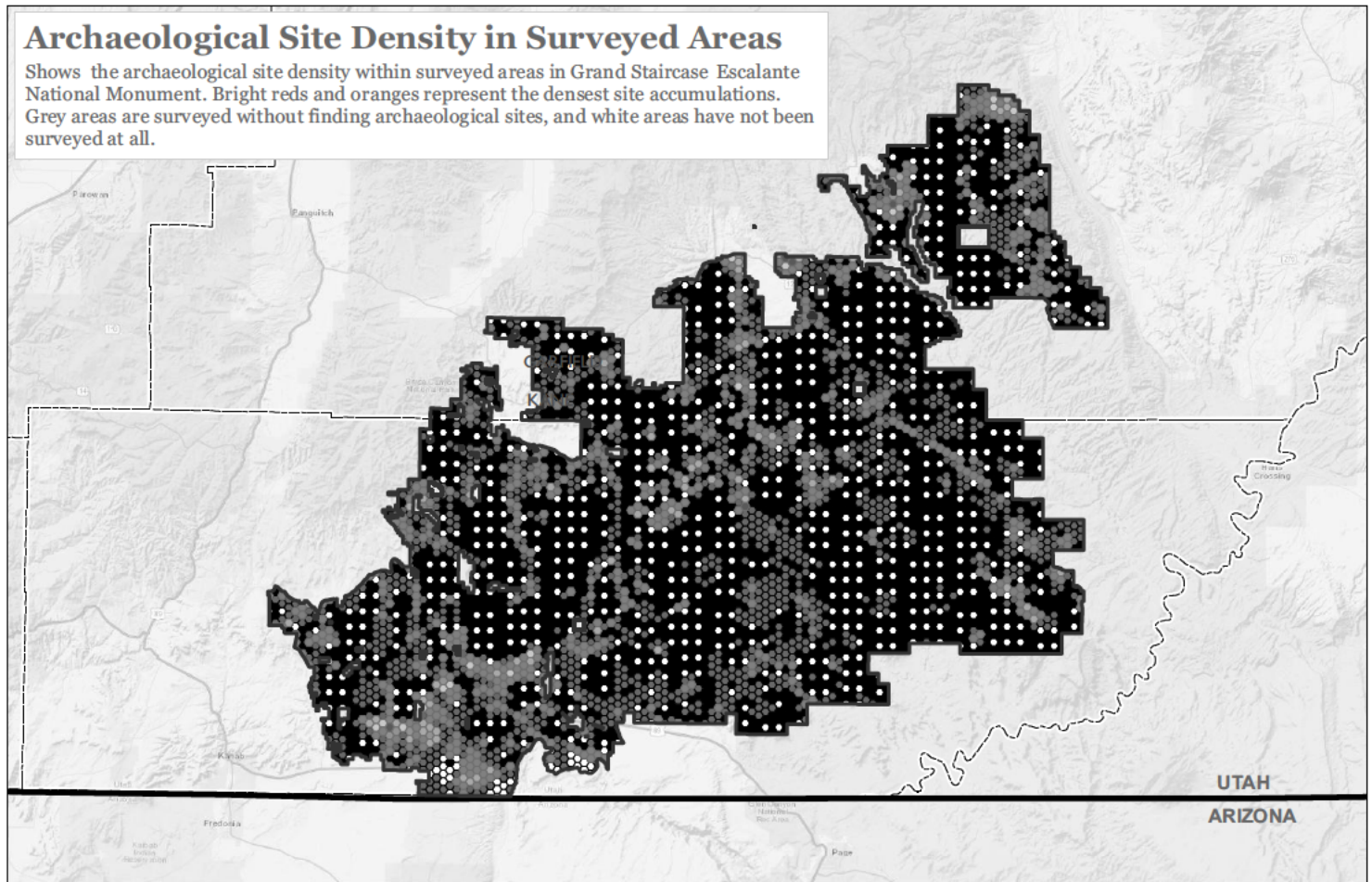


Map produced by Christina Epperson,
GIS Analyst - Antiquities Section

Please note: Boundary depiction and calculations are approximate. Total acreage encompasses everything within boundary including state, federal and private lands.

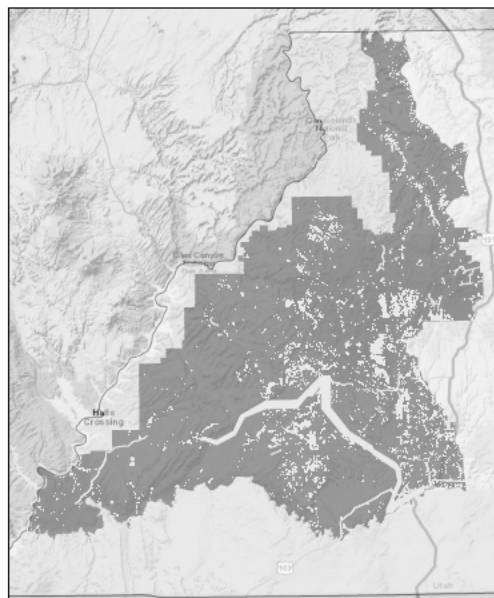


Please note: Boundary depiction and calculations are approximate. Total acreage encompasses everything within boundary including state, federal and private lands.

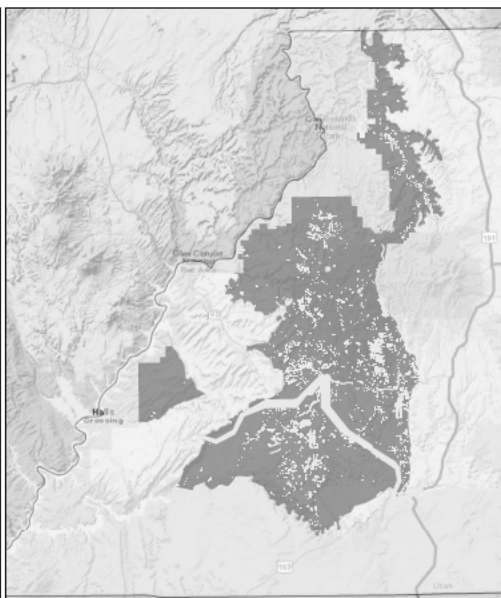


Comparison of Recorded Archaeological Sites

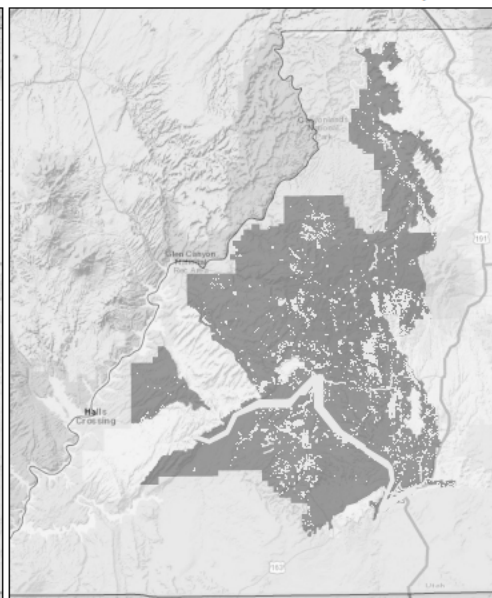
Recorded Archaeological Sites
Bears Ears Conservation Boundary



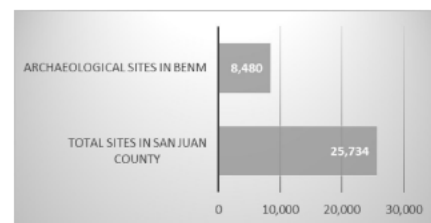
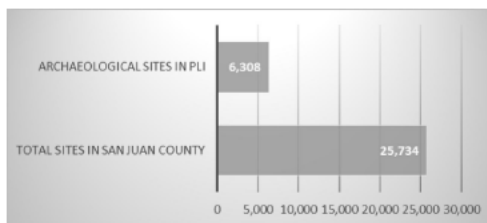
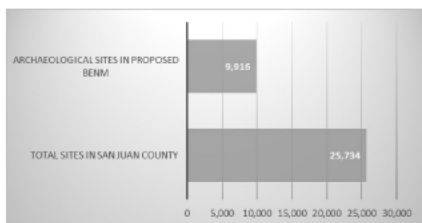
Inter Tribal Coalition Proposal

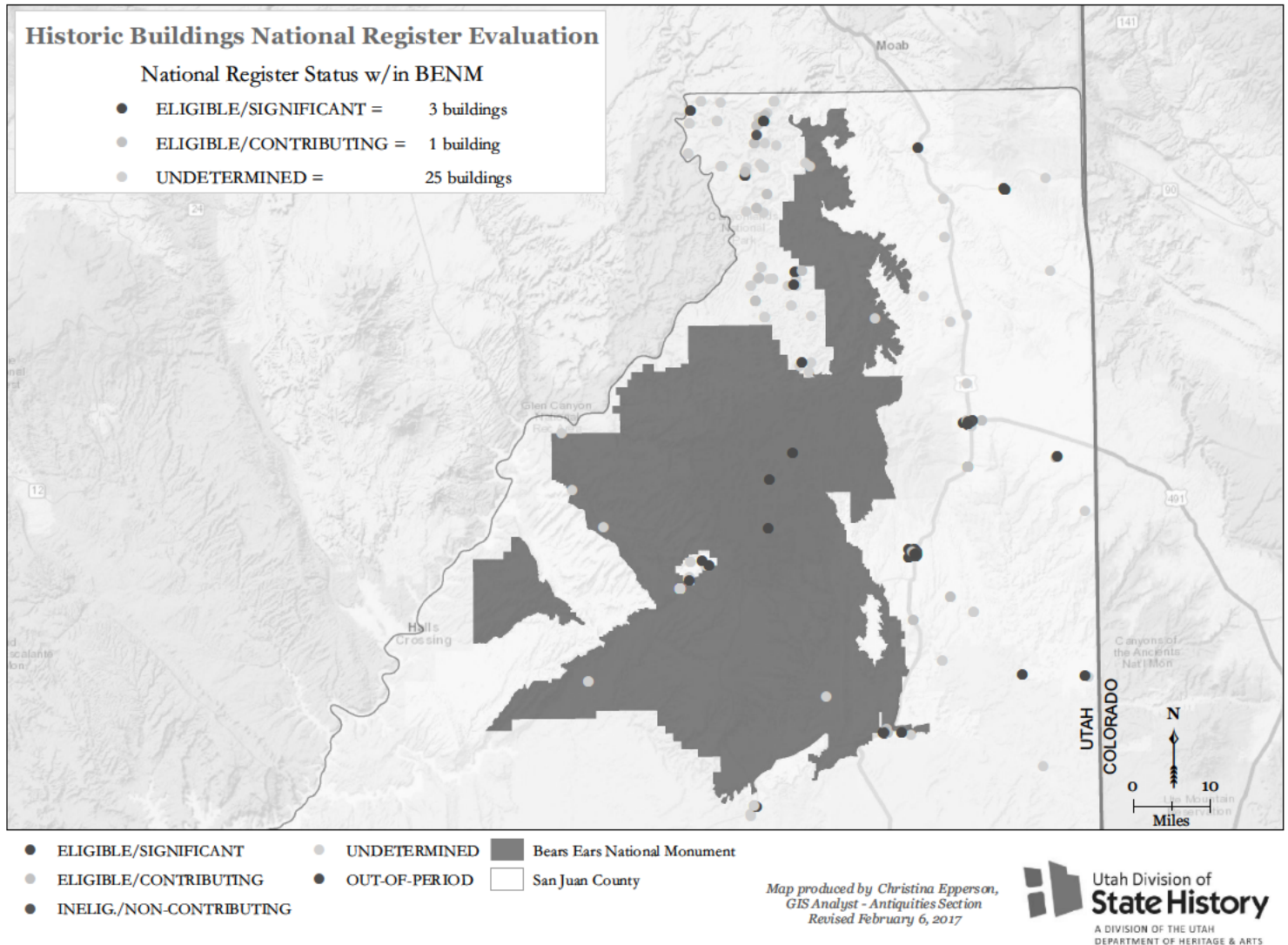


Utah Public Lands Initiative



Bears Ears National Monument



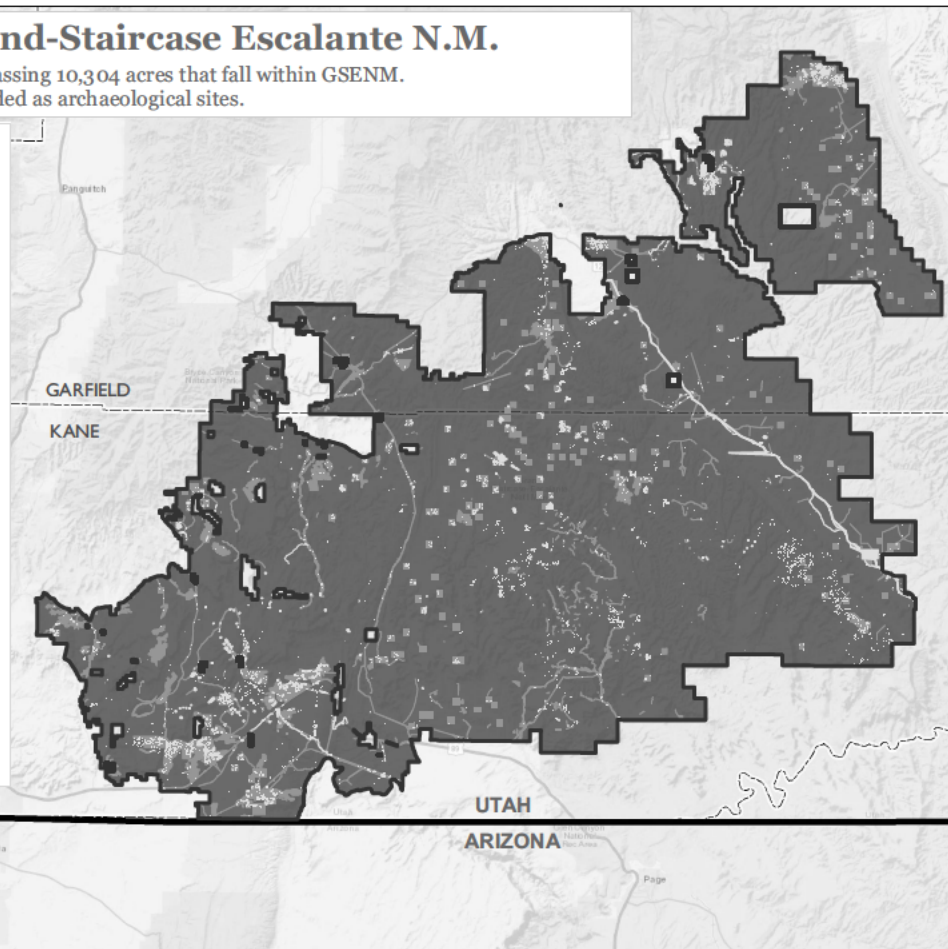
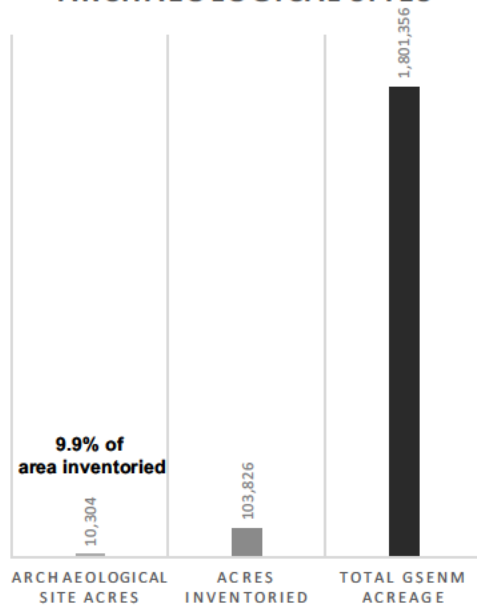


Please note: Boundary depiction and calculations are approximate. Total acreage encompasses everything within boundary including state, federal and private lands.

Archaeological Sites in Grand-Staircase Escalante N.M.

There are 3,985 known archaeological sites encompassing 10,304 acres that fall within GSENM. 9.9% of the archaeological surveyed area were recorded as archaeological sites.

ARCHAEOLOGICAL SITES



- Grand-Staircase Escalante National Monument
- Archaeological Sites in GSENM
- Archaeological Inventories
- Area Not Inventoried
- Counties

0 10
Miles



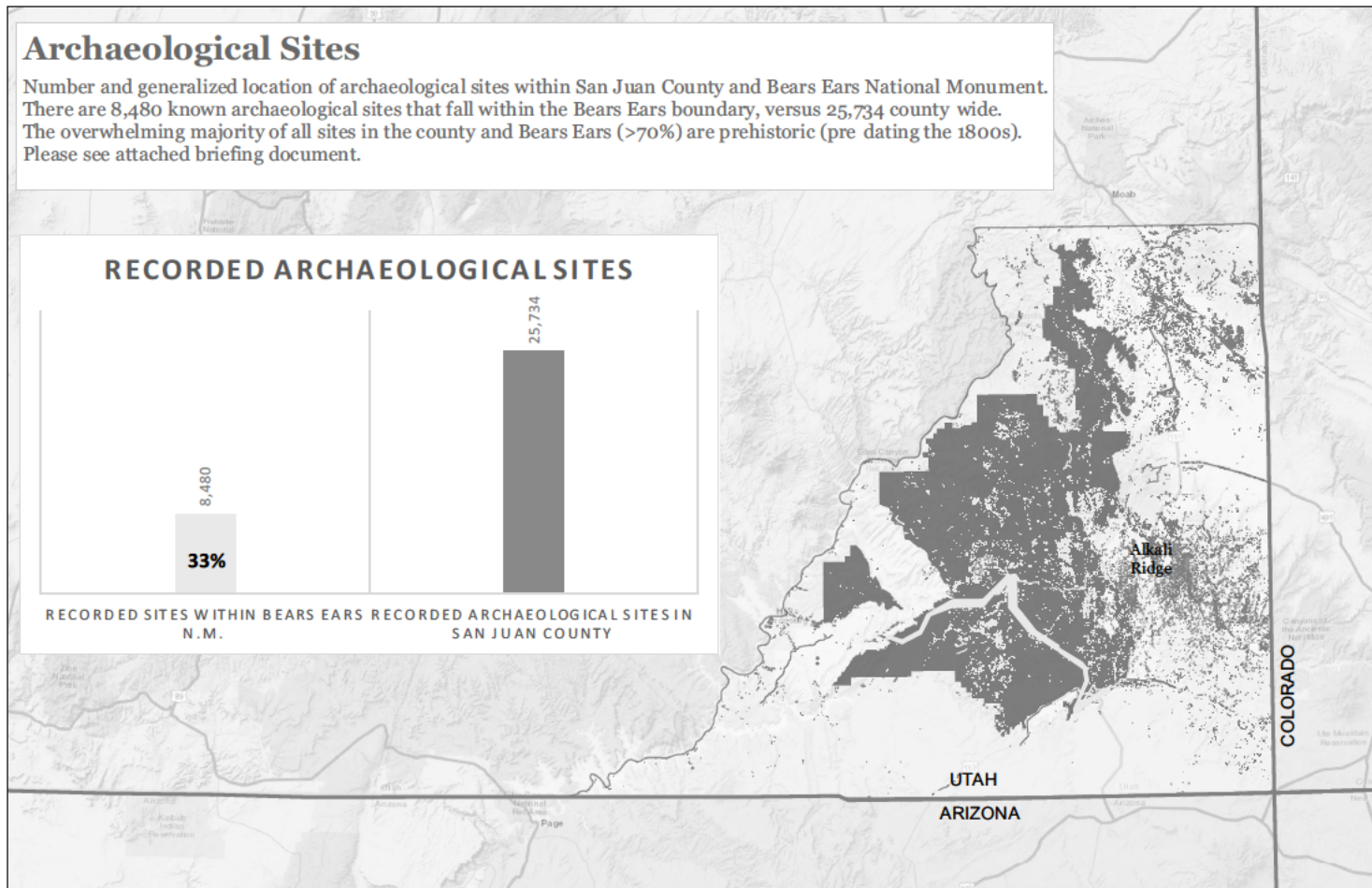
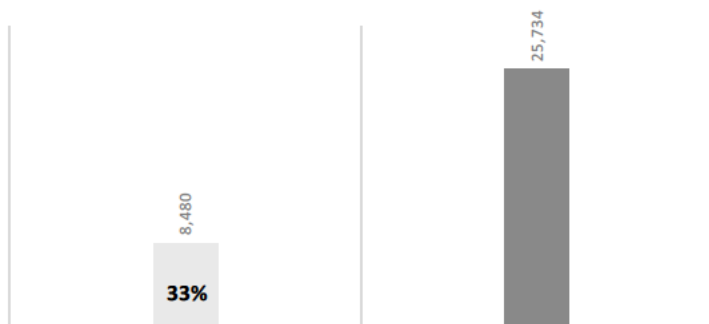
Utah Division of State History
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DEPARTMENT OF HERITAGE & ARTS

Map produced by Christina Epperson, GIS Analyst - Antiquities Section, March 6, 2017
Data sources: Utah Division of State History & ESRI basemap
Coordinates in UTM NAD 83

Archaeological Sites

Number and generalized location of archaeological sites within San Juan County and Bears Ears National Monument. There are 8,480 known archaeological sites that fall within the Bears Ears boundary, versus 25,734 county wide. The overwhelming majority of all sites in the county and Bears Ears (>70%) are prehistoric (pre dating the 1800s). Please see attached briefing document.

RECORDED ARCHAEOLOGICAL SITES



- Archaeological Sites in Bears Ears N.M.
- National Historic Landmarks
- Archaeological Sites in San Juan County
- San Juan County
- Area Not Inventoried

0 10
Miles



Map produced by Christina Epperson,
GIS Analyst - Antiquities Section
Revised February 6, 2017

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Please note: Boundary depiction and calculations are approximate. Total acreage encompasses everything within boundary including state, federal and private lands.

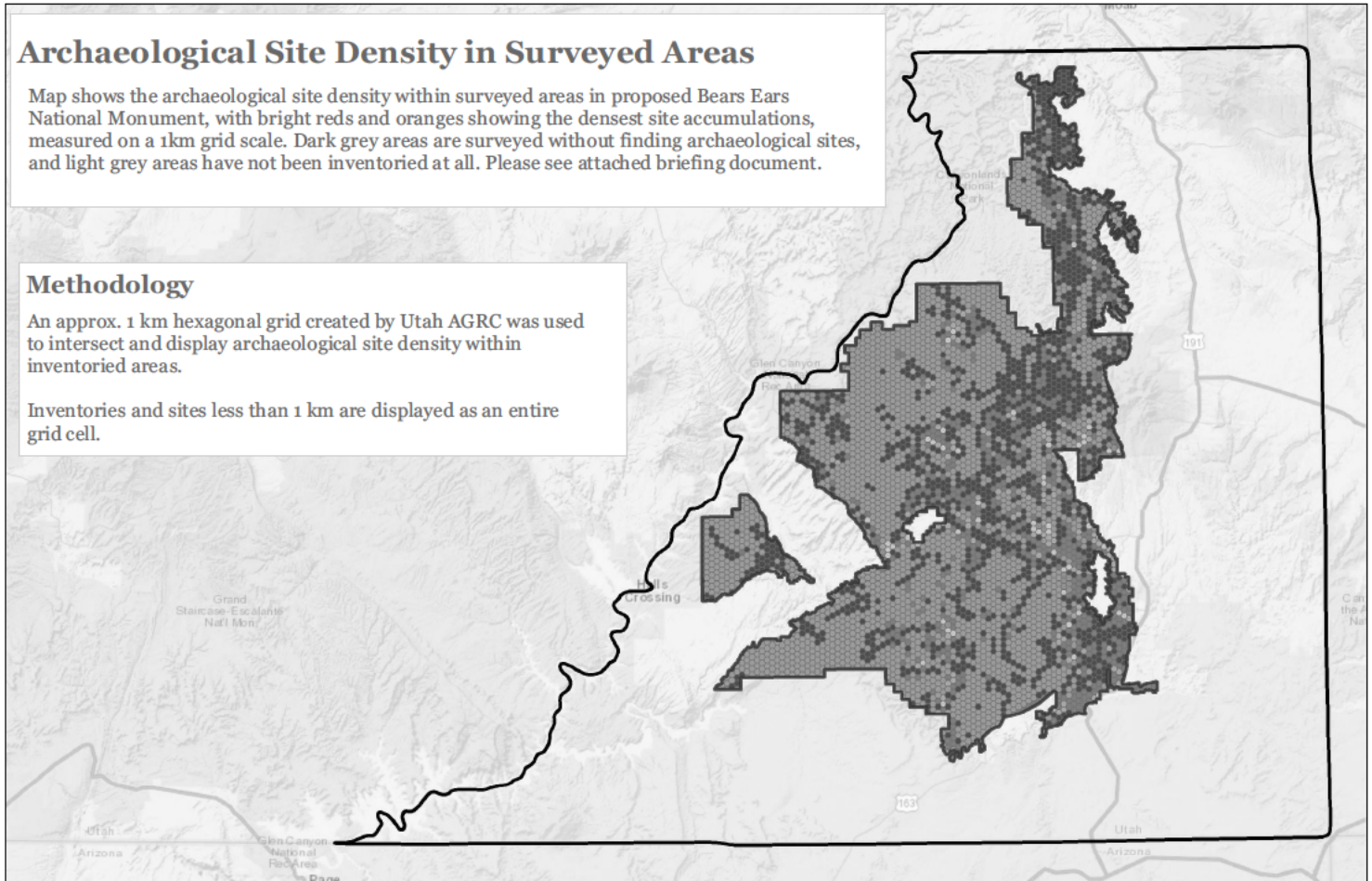
Archaeological Site Density in Surveyed Areas

Map shows the archaeological site density within surveyed areas in proposed Bears Ears National Monument, with bright reds and oranges showing the densest site accumulations, measured on a 1km grid scale. Dark grey areas are surveyed without finding archaeological sites, and light grey areas have not been inventoried at all. Please see attached briefing document.

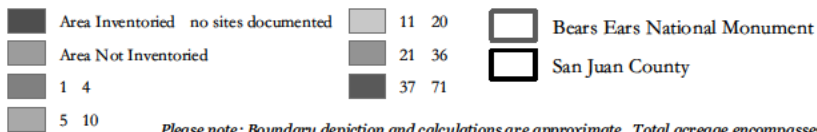
Methodology

An approx. 1 km hexagonal grid created by Utah AGRC was used to intersect and display archaeological site density within inventoried areas.

Inventories and sites less than 1 km are displayed as an entire grid cell.



Archaeological Site Density per Survey Area



0 10
Miles

N

Map produced by Deb Miller,
GIS Specialist - Antiquities Section

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Please note: Boundary depiction and calculations are approximate. Total acreage encompasses everything within boundary including state, federal and private lands.