



# GEOSPATIAL PROCESSES FOR HIDDEN HISTORIES

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"Movement is a  
translation in space"



## Gilles Deleuze, The Movement Image

Perception ---- (a subject's visual field)

ular Snip

Affect----- (a bodily expression)

Action----- (physical agency)



# Reading Historical Landscapes



*Dispossessed Lives: Enslaved Women, Violence, and the Archive*

"To trace the distortions of enslaved women's lives inherent in the archive, Fuentes raises questions about the nature of history and the difficulties in narrating ephemeral archival presences by dwelling on the fragmentary, disfigured bodies of enslaved women."

Marisa Fuentes

# *Dispossessed Lives: Enslaved Women, Violence, and the Archive*

"How do we narrate the fleeting glimpses of enslaved subjects in the archives and meet the disciplinary demands of history that require us to construct unbiased accounts from these very document?"

Marisa Fuentes

Personally appeared before me James W. Hathaway a Justice of the Peace in and for the County aforesaid Nathan Winslow who upon oath says that there are at present passing about within the County aforesaid four negroes who sometimes claim to be free negroes at other times to be Slaves who have hired their own time - that said negroes have been passing from place to place pursuing no settled occupation and are strongly suspected to have been guilty pf larcenies and other offences against the laws that names of the negroes save two are inknown to the affiant - That the two whose names are known are the one Jack and the other Jeff and that he believes that all four are now together some where in the Yeopim District.

Sworn to and Subscribed before me August the 27<sup>th</sup> 1845.

README.txt  
Notes on GIS data stored on GIS folder in Google Drive  
Fred Wurster  
6/25/14

DIS\_hydro\_base.mdb: geodatabase that contains different refuge water features. See metadata in ArcCatalog for feature class info.

DrummondPoles\_GIS.zip: Location of reference poles to mark Lake Drummond shoreline. Track for ADCP records lake bottom elevation.

GDS\_dem\_post.zip: 2m DEM of the peat surface derived from lidar. This has been updated to include post Lateral West fire lidar surface in burn area.

GDS\_eco\_systems\_050510.zip: Shapefile of different forest ecosystems on the refuge.

GDS\_flowdir\_wcs.jpg: Map of refuge with ditches, lidar, water control structures, and primary ditch flow directions.

GDS\_forestcommunities\_050510.zip: Different forest communities on the refuge

GDS\_mntr\_groundwater.zip Location of shallow groundwater monitoring wells on the refuge (both USGS and FWS)

GDS\_mntr\_srfwtr.zip: Location of surface water level monitoring sites (both USGS and FWS)

GDS\_peatdepth.jpg: Map showing approximate peat depth at Great Dismal

GDS\_wcs\_prop\_Nov2013.zip: Proposed new water control structures for the refuge as of November 2013.

GDSNWR\_ditch.zip: Drainage ditches on Great Dismal Swamp

GDSNWR\_wcs\_Aug2013.zip: Existing water control structures as of August 2013.

Lake Drummond.zip: Boundary of Lake Drummond, located in the middle of the swamp

LatWest\_scar .zip: Boundary of the fire scar from the 2011 fire

Land\_Cover\_1976\_Unit\_Descriptions MAP\_UNIT.zip: Map of forest landcover developed in 1976.

landcover\_1976\_022410\_update\_kyle.zip: 1976 landcover map updated to account for known disturbances and modifications to forest community.

peat\_depth\_1.zip: 2m DEM of peat depth at Great Dismal Swamp.

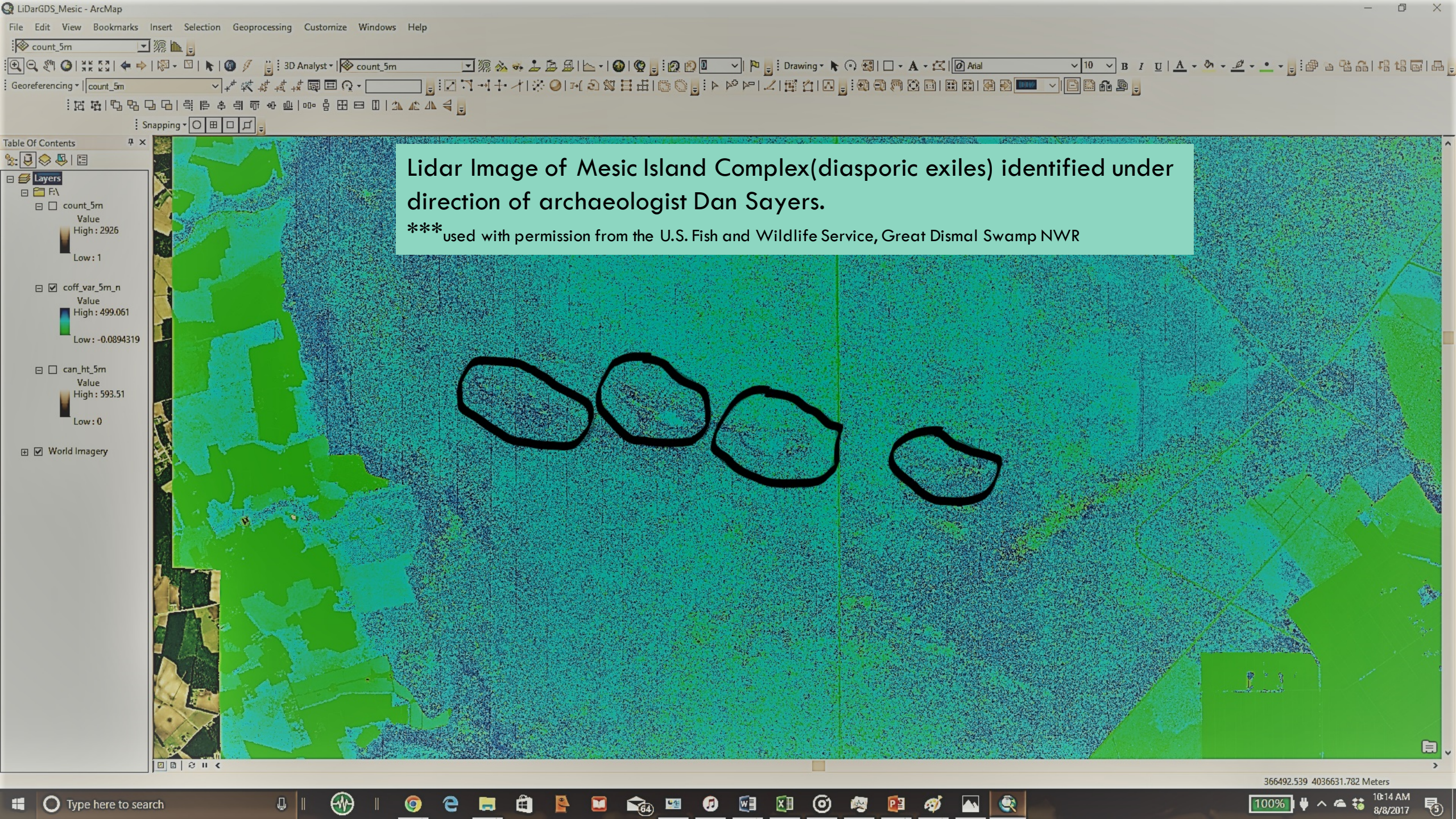
Sawyer\_veg\_map.tif.zip: Veg map created by Ben Sawyer of West Virginia University for his master's thesis. Map created from satellite images in 2012.

Check for metadata in arc catalog once files are opened. Some information is contained there.

If you have questions contact: Fred Wurster at Great Dismal Swamp NWR

# The Great Dismal Swamp National Wildlife Refuge

# DATA



# DIGITAL ELEVATION MODEL

Surface analysis via selected attributes:

- Slope-steepness, difficulty of movement
- Shaded relief-visual assessment of terrain variability
- Viewshed- location analysis; predictive modelling

