Soil Landscape Assessment at Dog Island Lease Area, Cedar Key

Soil Sample Locations

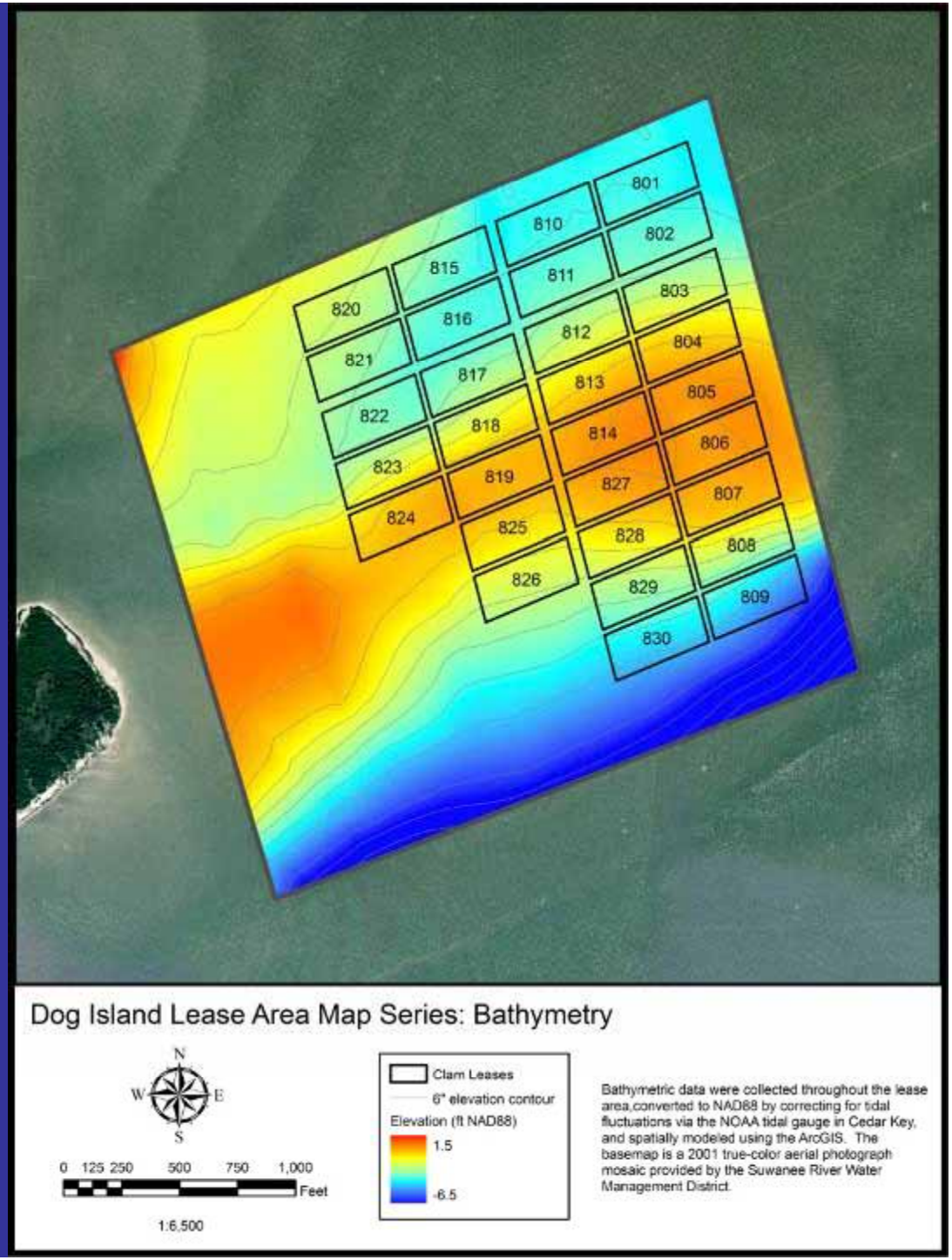
Soil Elevation (Bathymetry)

High Elevation

1.5 ft NAD88

-6.5 NAD88

Low Elevation



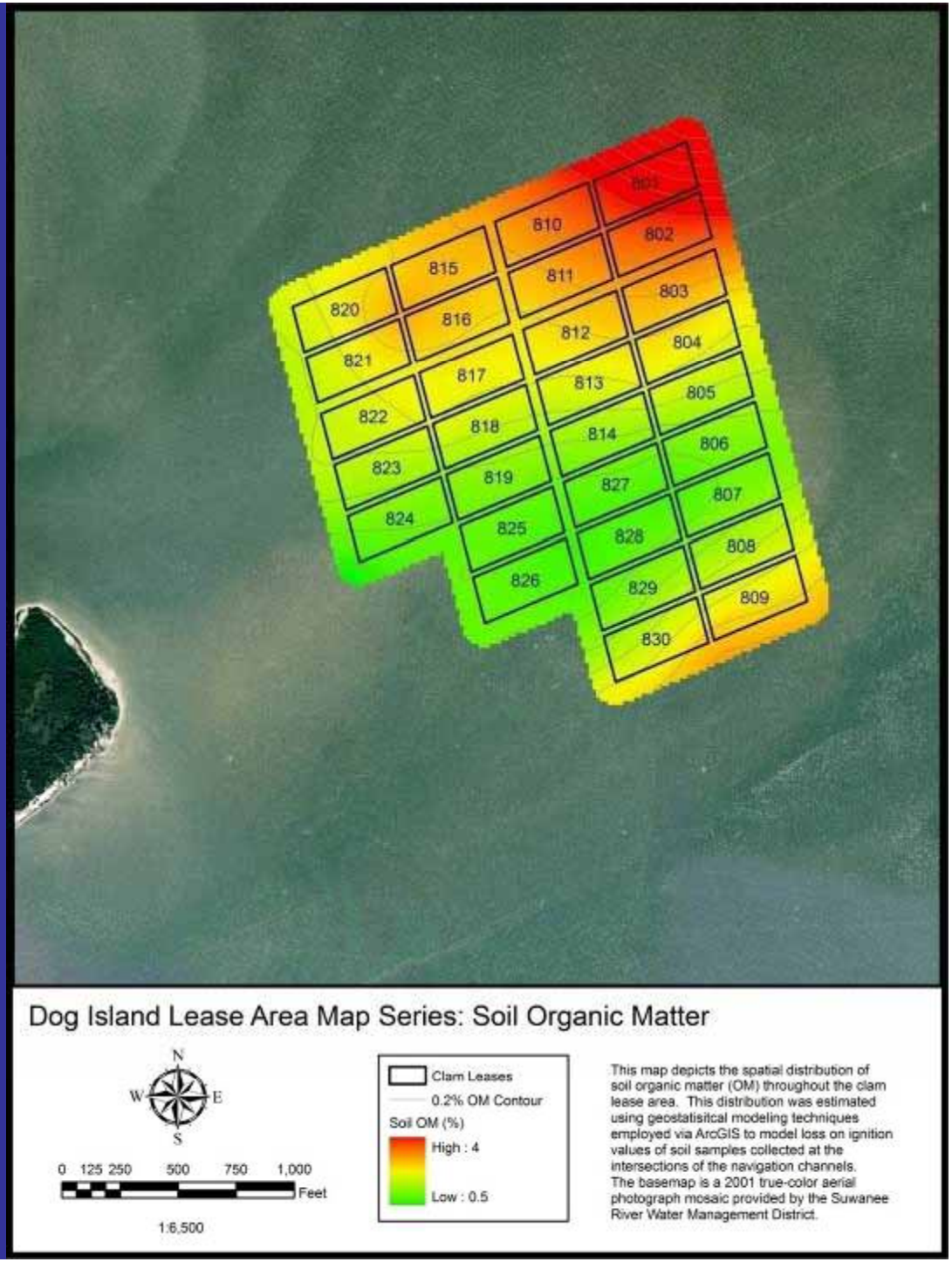
Soil Organic Matter

High OM

4%

0.5%

Low OM



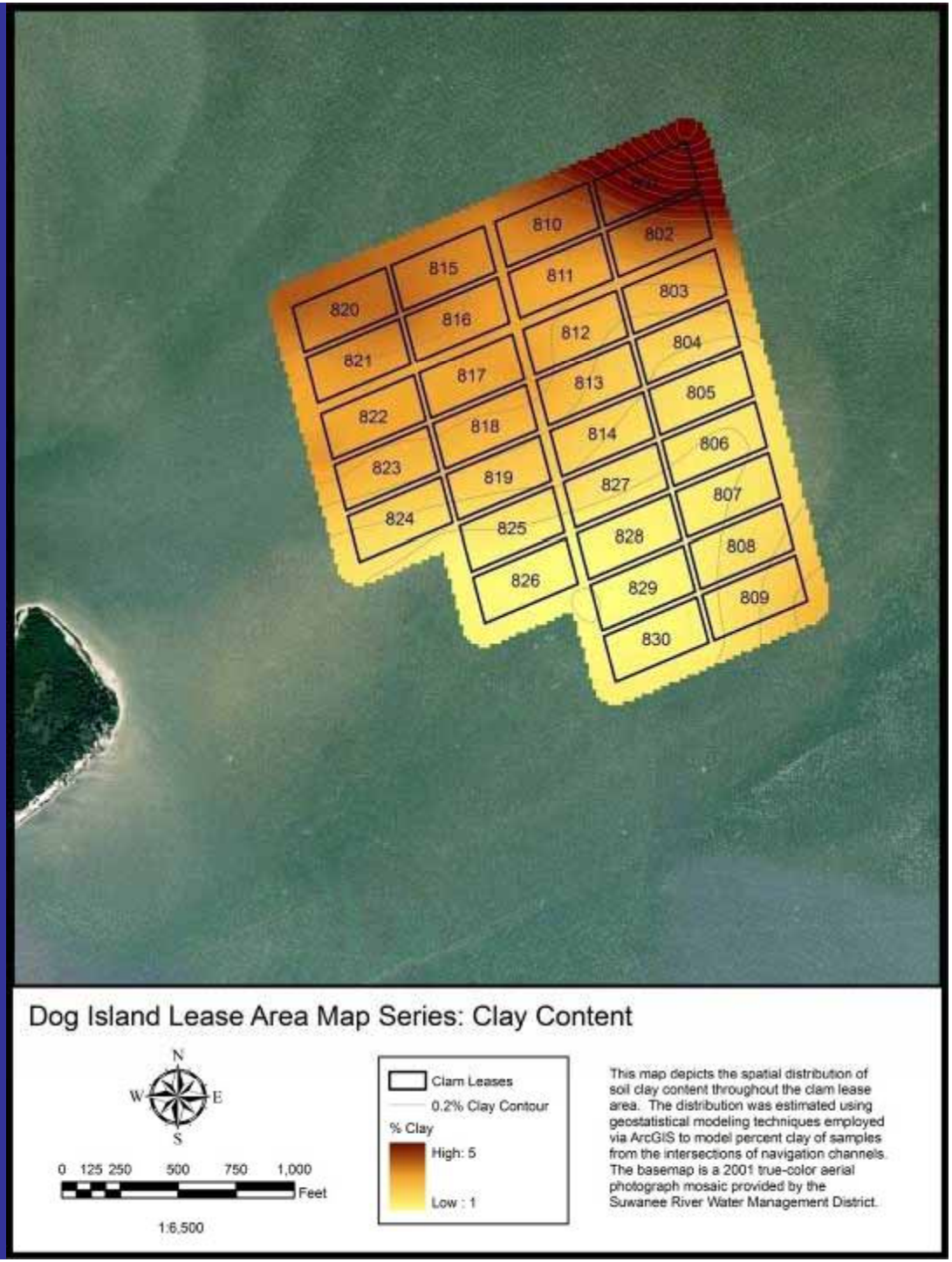
Soil Particle Size (%Clay)

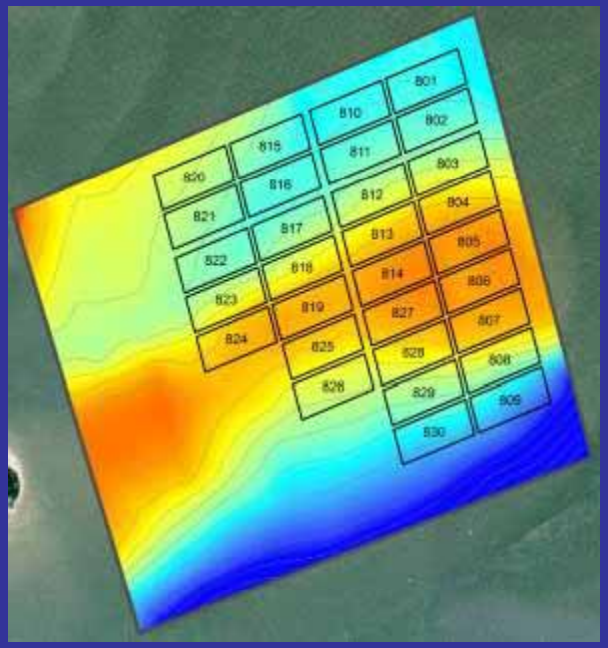
High Clay

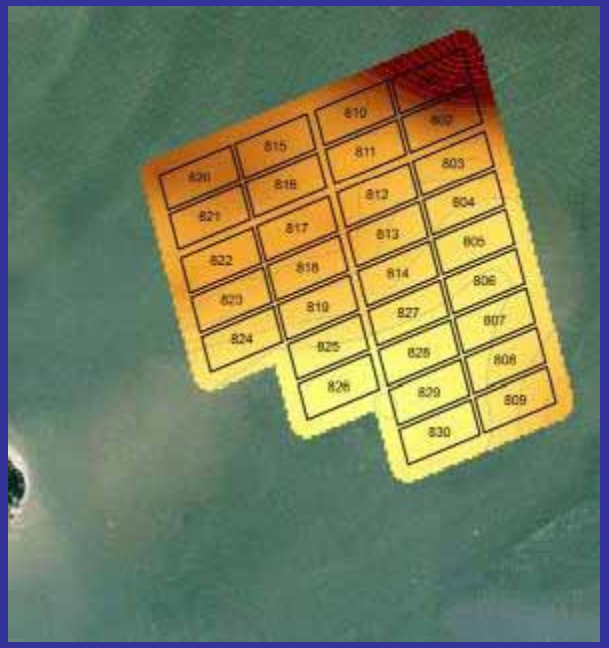
5%

1%

Low Clay







- OM and Clay are lowest in the shallowest areas (e.g. the sand bar).
- The ocean side of the sand bar has depressed clay and OM as well.
- The protected side of the bar has elevated clay and OM.
- These likely drive the critical biogeochemical reactions that affect clam growth.