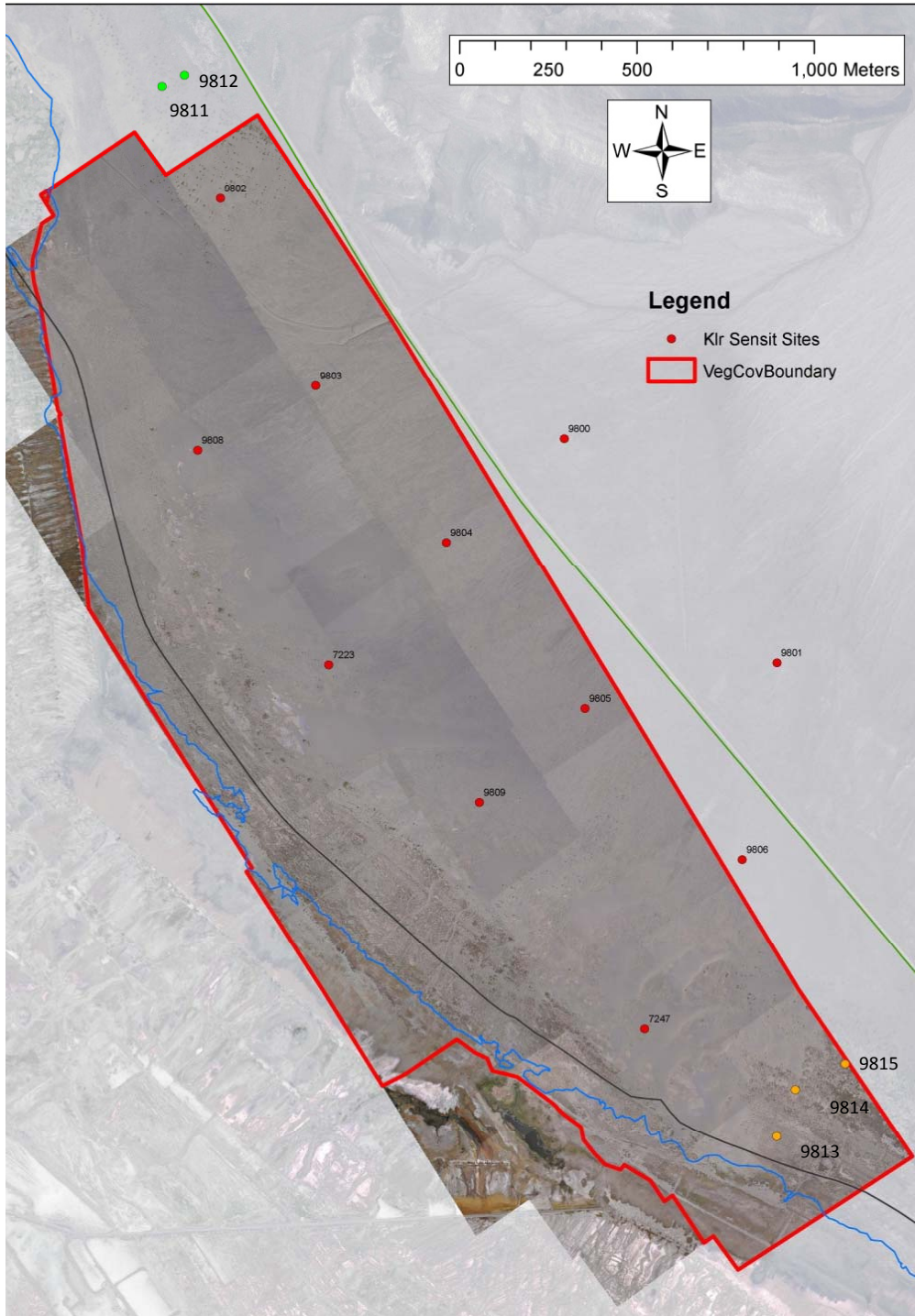


Vegetation Cover Analysis

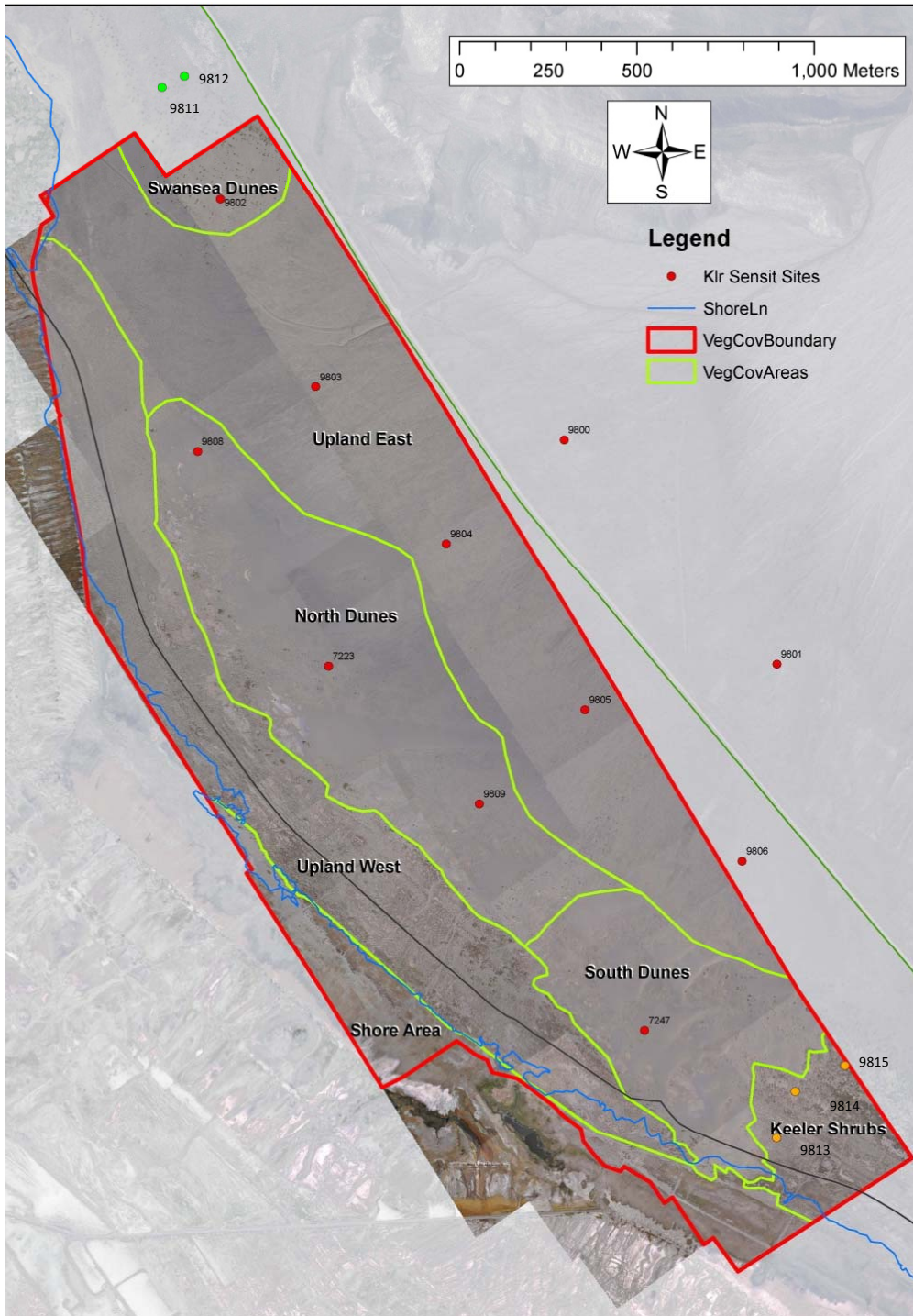
Great Basin Unified
Air Pollution Control District
Keeler Dunes Meeting
August 24, 2011





Existing Vegetation Cover Analysis

Based on October 2009 air photo mosaic
made by HydroBio.



Cover Analysis Polygons

Analysis area divided into 7 polygons

- **Active Dune Area**

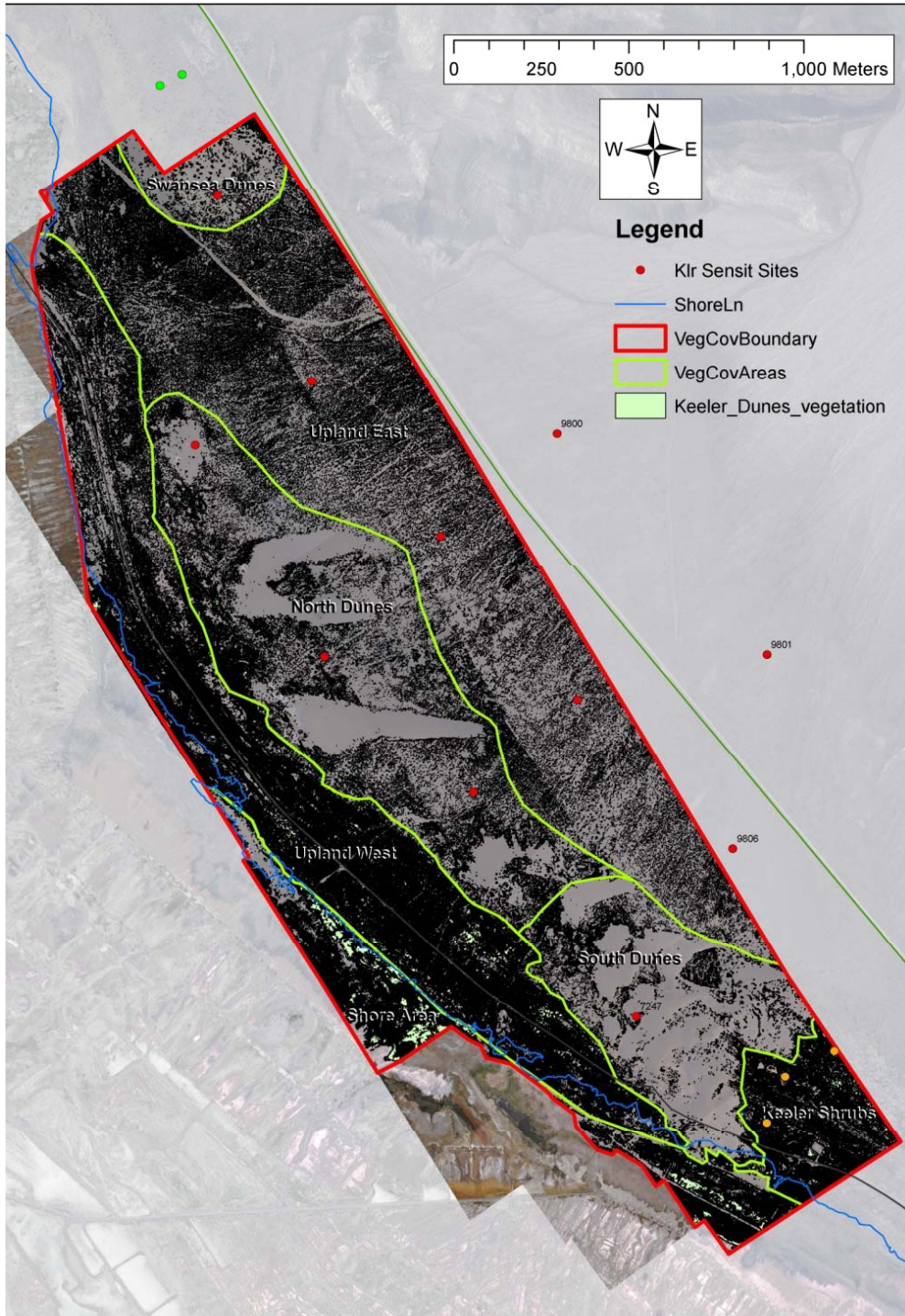
North Dunes
South Dunes

- **Sand Sheet Area**

Upland East

- **Stable Areas**

Swansea Dunes
Keeler Shrubs
Shore Area
Upland West



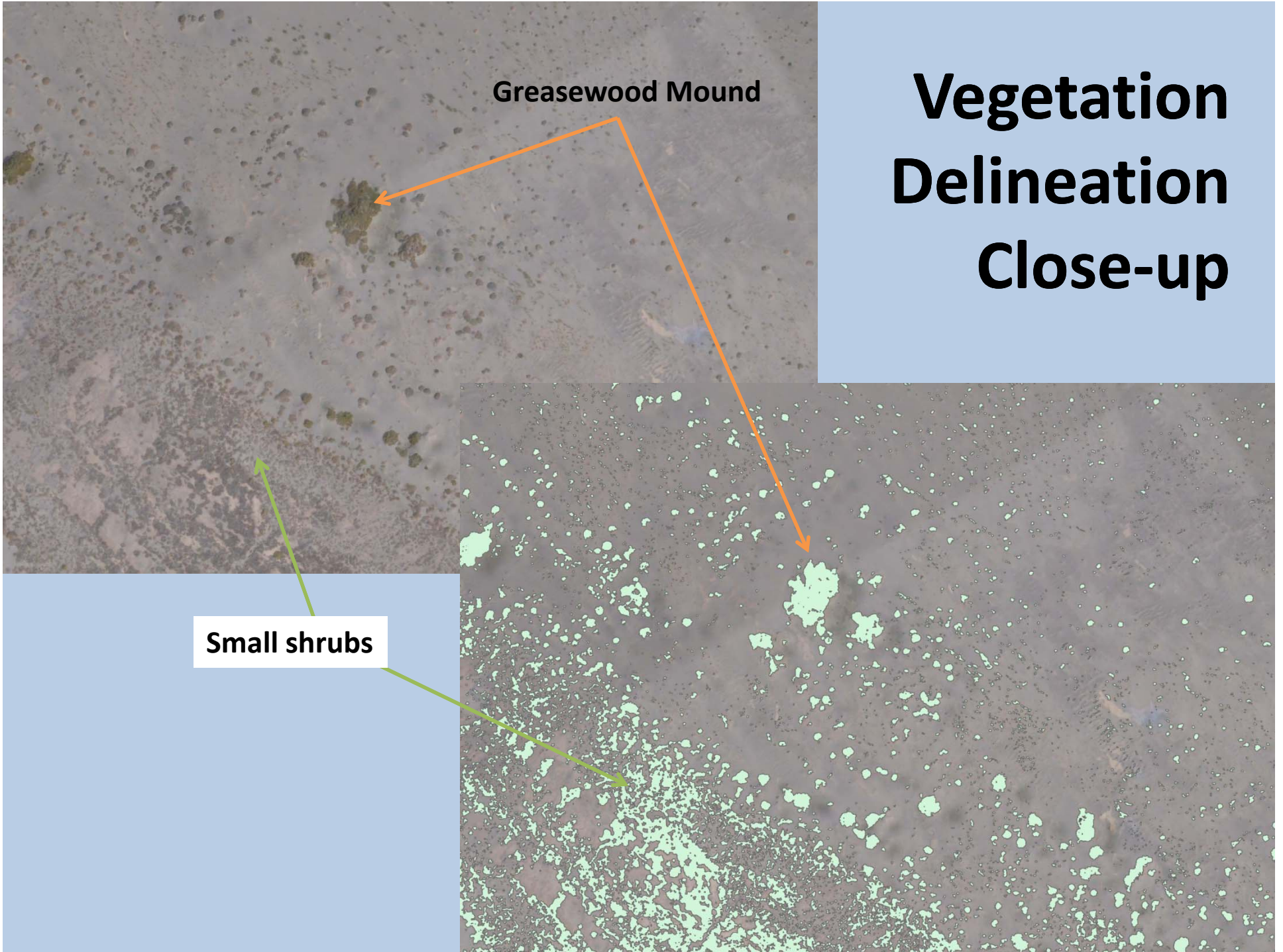
Vegetation Delineation

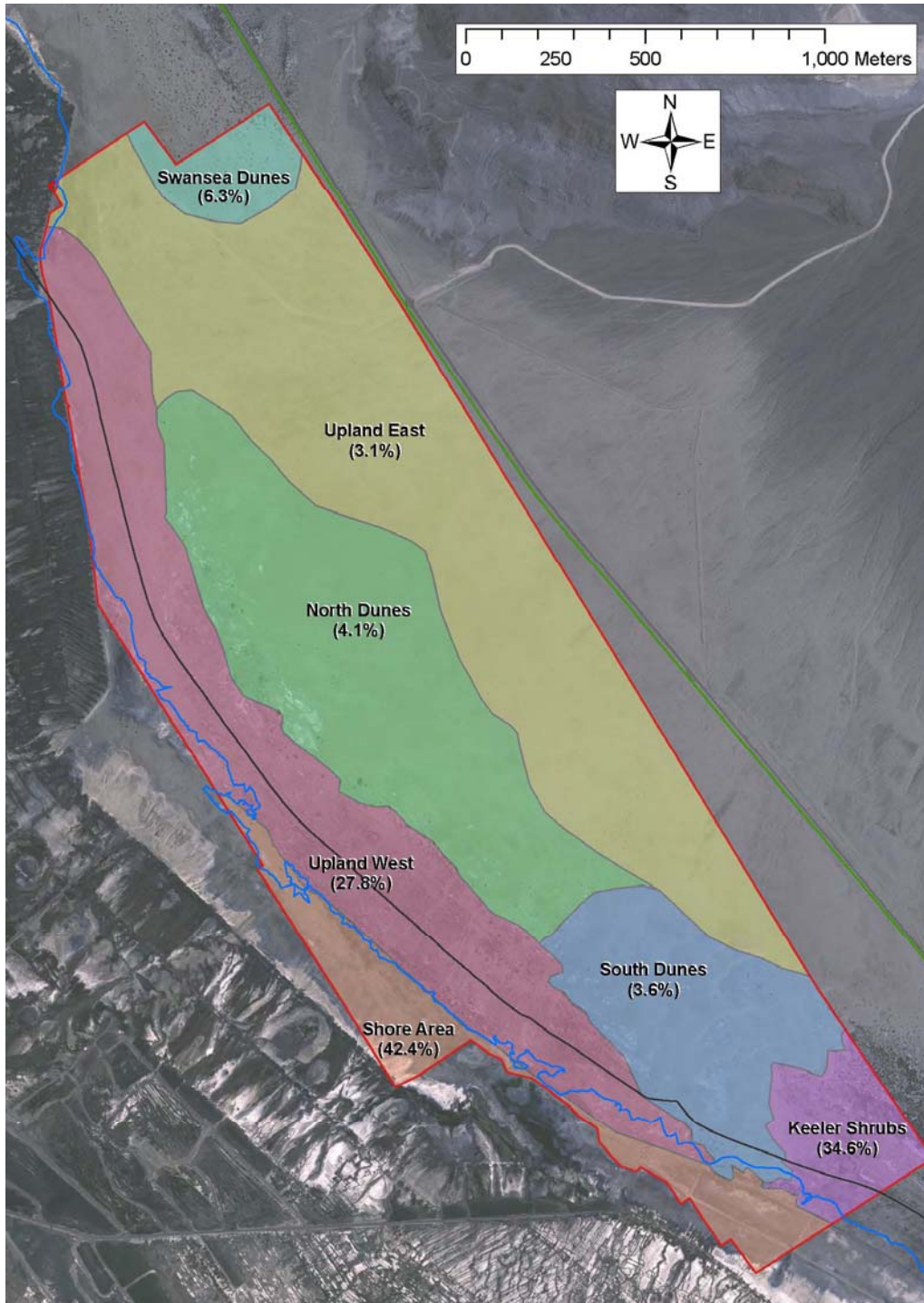
Map of analysis polygons and vegetation delineation by HydroBio.

Vegetation Delineation Close-up

Greasewood Mound

Small shrubs





Vegetation Cover Results by Area

- Overall vegetation cover ranges from 3.1% to 42.4%
- Cover within stable areas ranges from 6.3% to 42.4%.
- Cover ranges from 3.1% to 4.1% in active dunes and sand sheet.

Swansea Dunes

(6.3% cover)



Keeler Shrubs (34.6 % cover)



Shore Area (42.4% cover)



Upland East Area (3.1 % cover)





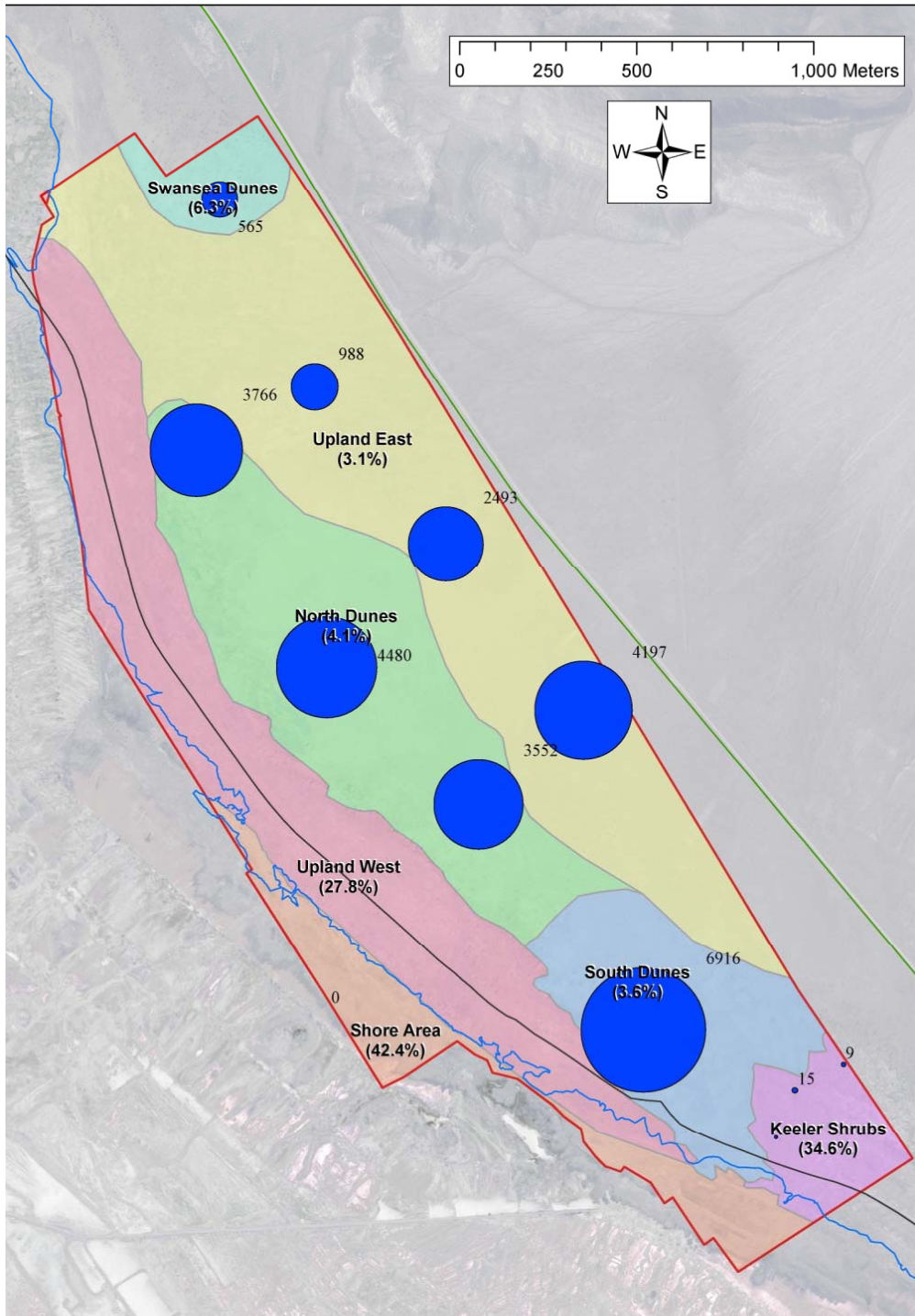
North Dunes (4.1% cover)



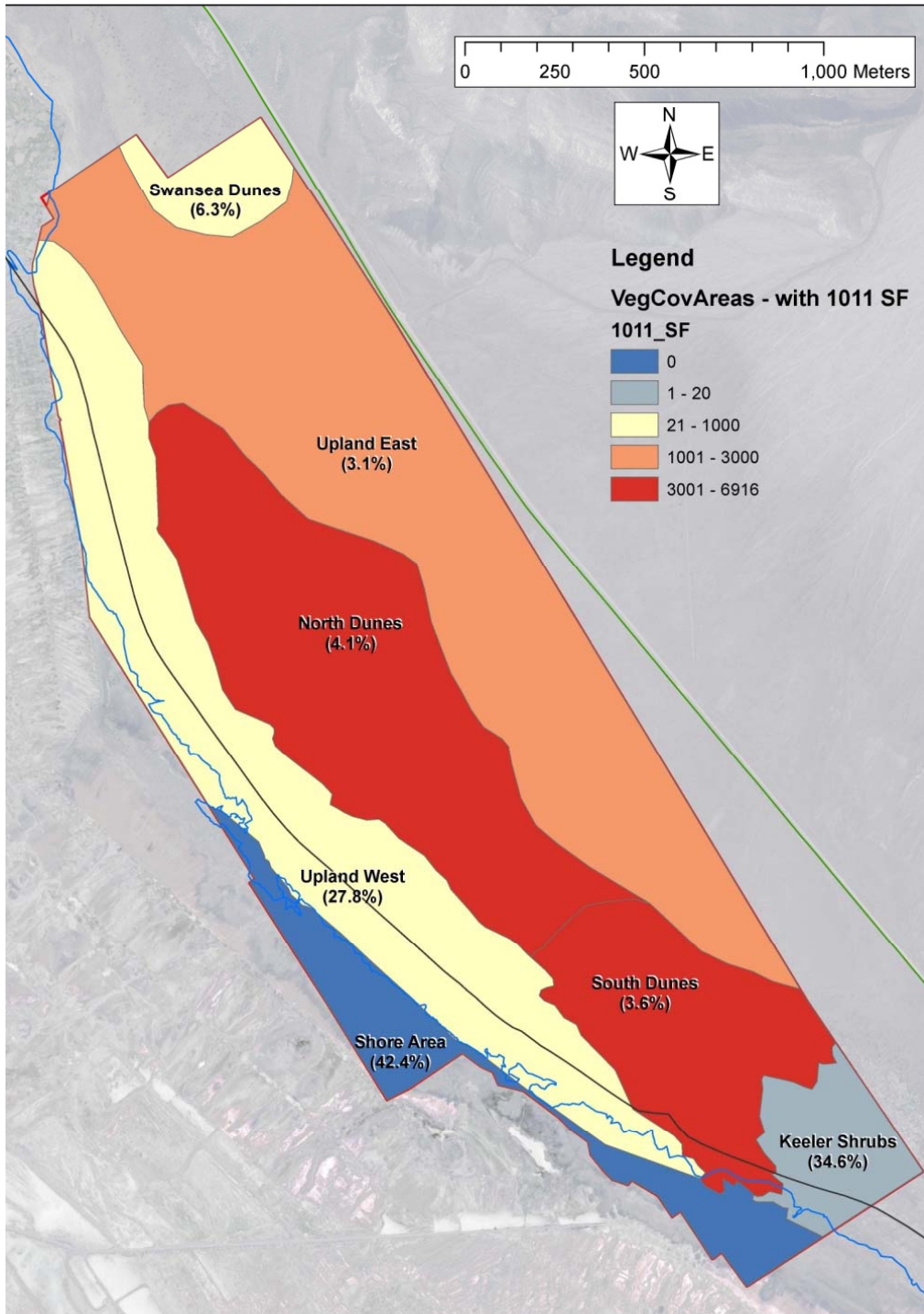
South Dunes (3.6% cover)



Vegetation Cover and 2010-2011 Sand Flux



Sand Flux and Vegetation Cover



Keeler Dunes Vegetation Cover v. Sand Flux

