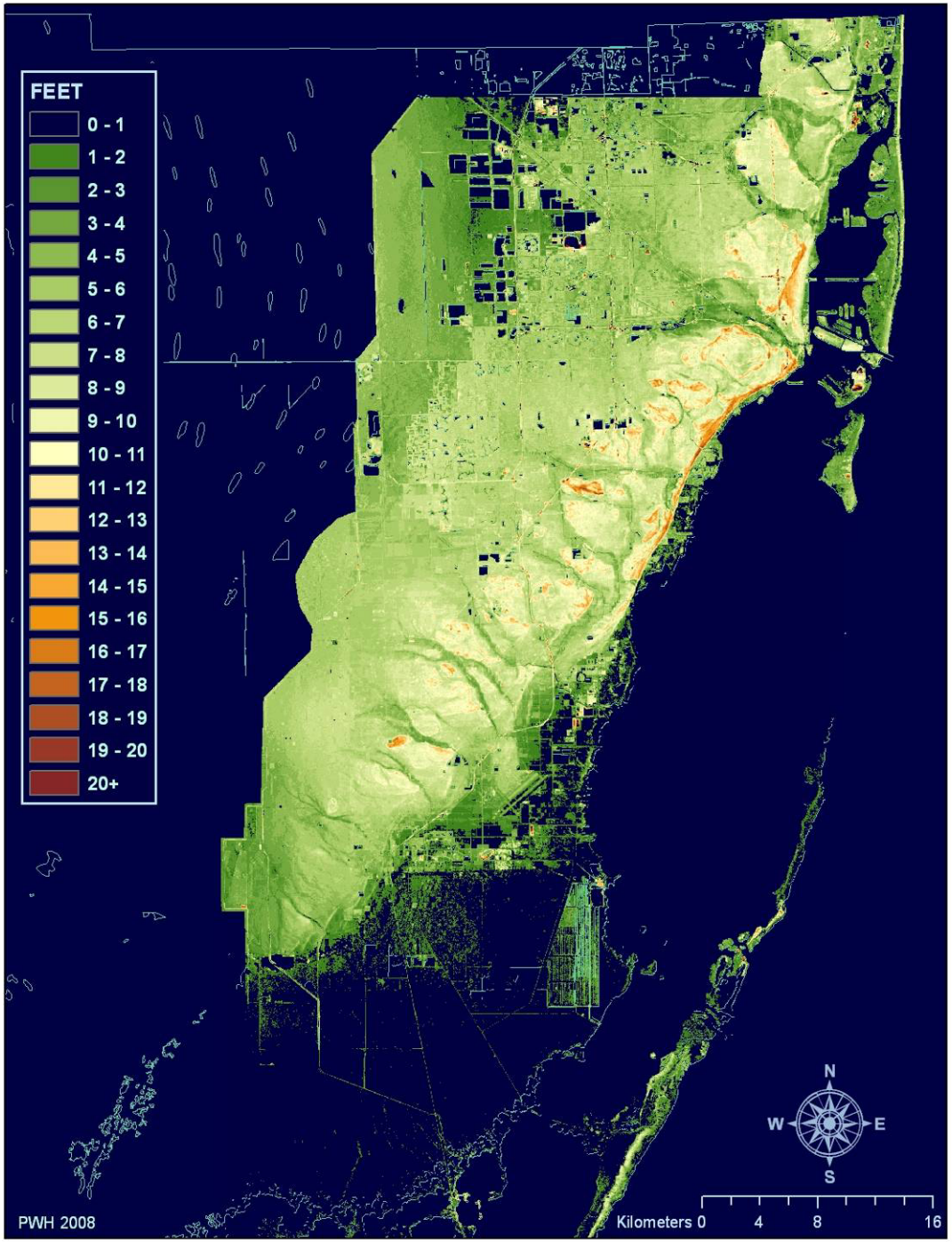
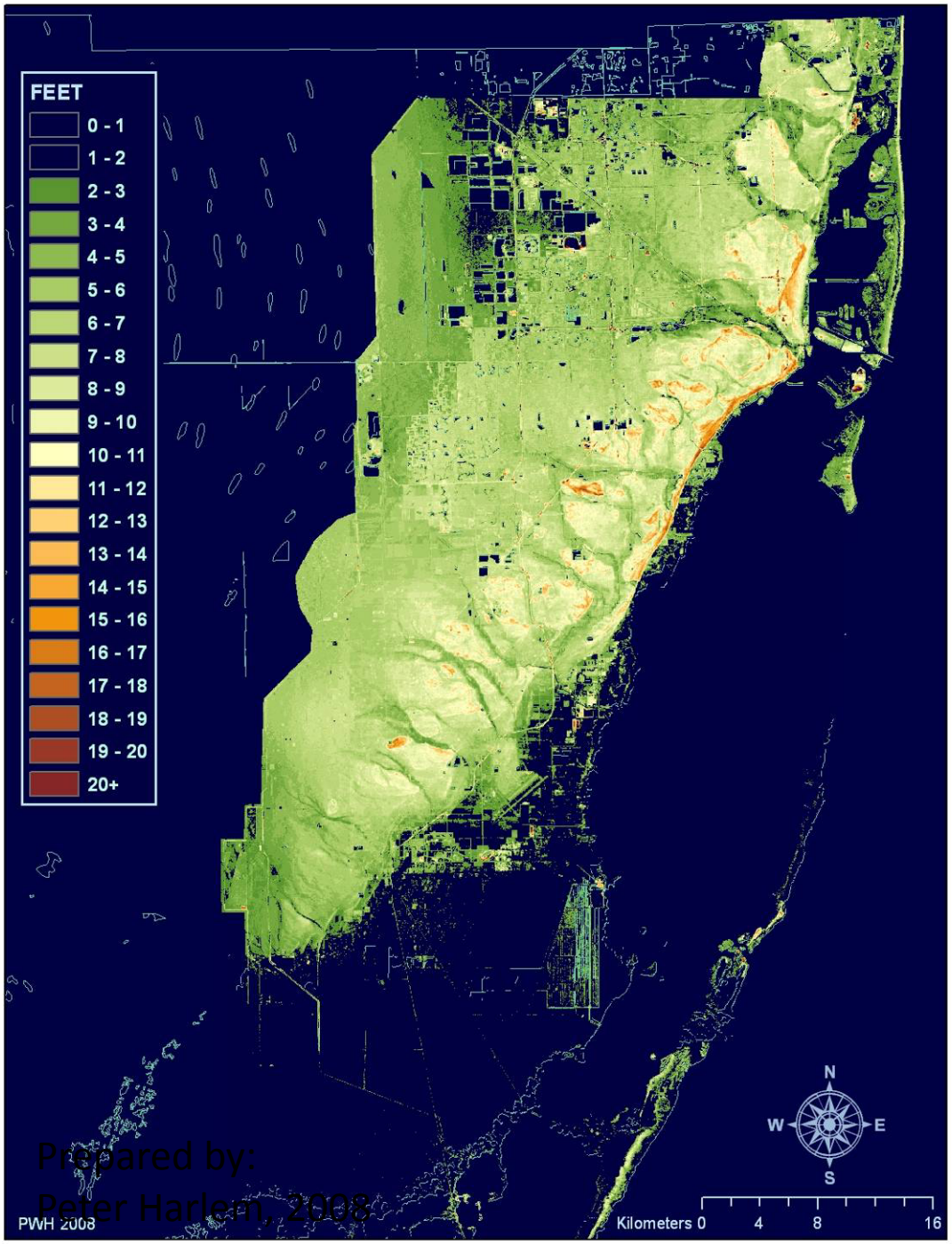


+ 1 Ft.

DATE = 2042

- 83% of land surface remains above mean high tide.
- Coastal plain and marshes inundated at high tides.
- Mangrove swamps deepen, coastal vegetation migrates upslope.
- Beach erosion increases.
- Levees like the L-31E expected to restrict encroachment - delaying salt water intrusion in south Miami-Dade.
- Southern Everglades not protected by equivalent structure.

Prepared by:
Peter Harlem, 2008



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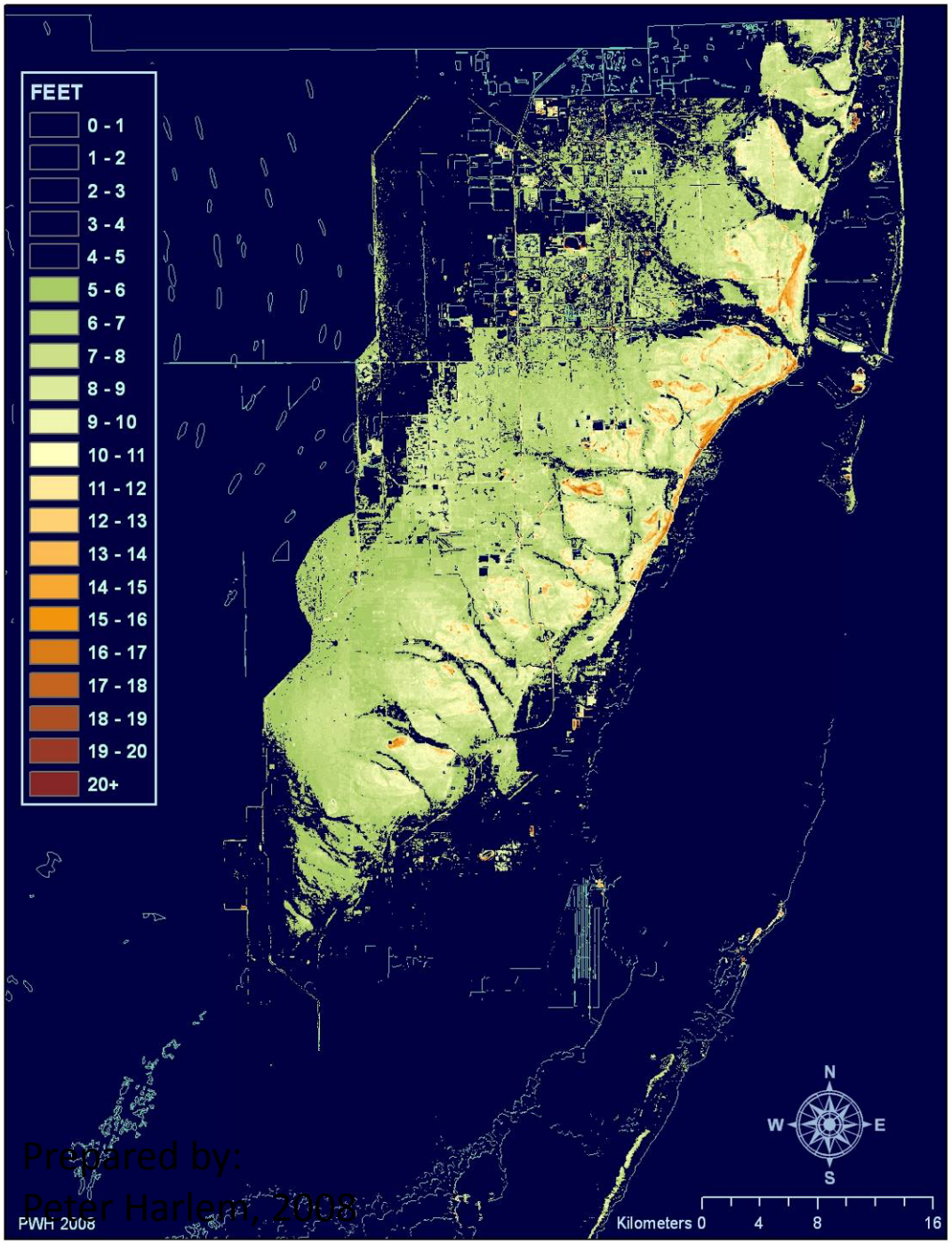
Peter Harlem, 2008

+ 2 Ft.

DATE = 2066

- 72% of land surface remains.
- Sandy barrier islands challenging to live on: fill areas eroding; beach front rapidly eroding; storm channeling.
- Existing mangrove swamps collapse; inundation and collapse of lower freshwater marshes.
- Much of upper and lower Keys inundated.
- Coastal levees under wave attack.
- Access to barrier islands and publics works becomes difficult – Turkey Point, South Dade landfill.



Prepared by:
Peter Harlem, 2008

+ 5 Ft.

DATE = 2110

- 54% of land surface remains.
- Most transverse glades flooded at high tide.
- Coastal ridge now divided by tidal channels into a series of independent islands.
- Everglades inundated to north of Broward County with major tidal channels through ridge in north Miami-Dade and Broward.
- Rainfall greatly reduced.