

Additional Assessment Graphics for Salinas

Supplemental to Assessment Report submitted by NOAA to the FEMA Natural and Cultural Resources Recovery Support Function

August 8, 2018

Purpose

Stakeholders expressed interest in reviewing additional available information for the region of Salinas and the Jobos National Estuary Research Reserve (NERR). Additional graphics were generated using GIS data that supported the assessment report to the FEMA Natural and Cultural Resources Recovery Support Function. The newly generated graphics display a more in-depth look at several locations within and around the Jobos NERR. The graphics highlight differences in benthic habitats when comparing before (circa 2015) and after (2017) imagery for the areas. Most disturbances found within the area of interest were categorized as “Visible Change – Possible Disturbance” (Figure 1). These disturbances included intensification of seagrass propeller scars for a particular seagrass bed where, based on 2015 imagery, previous vessel activity likely impacted the site (Figures 2 - 4). Other disturbances in the area look to be due to changes in sediment movement and hydrodynamics, possibly from hurricane-generated conditions (Figures 6 & 7). See Figure 8 for overall aerial view of disturbance locations.

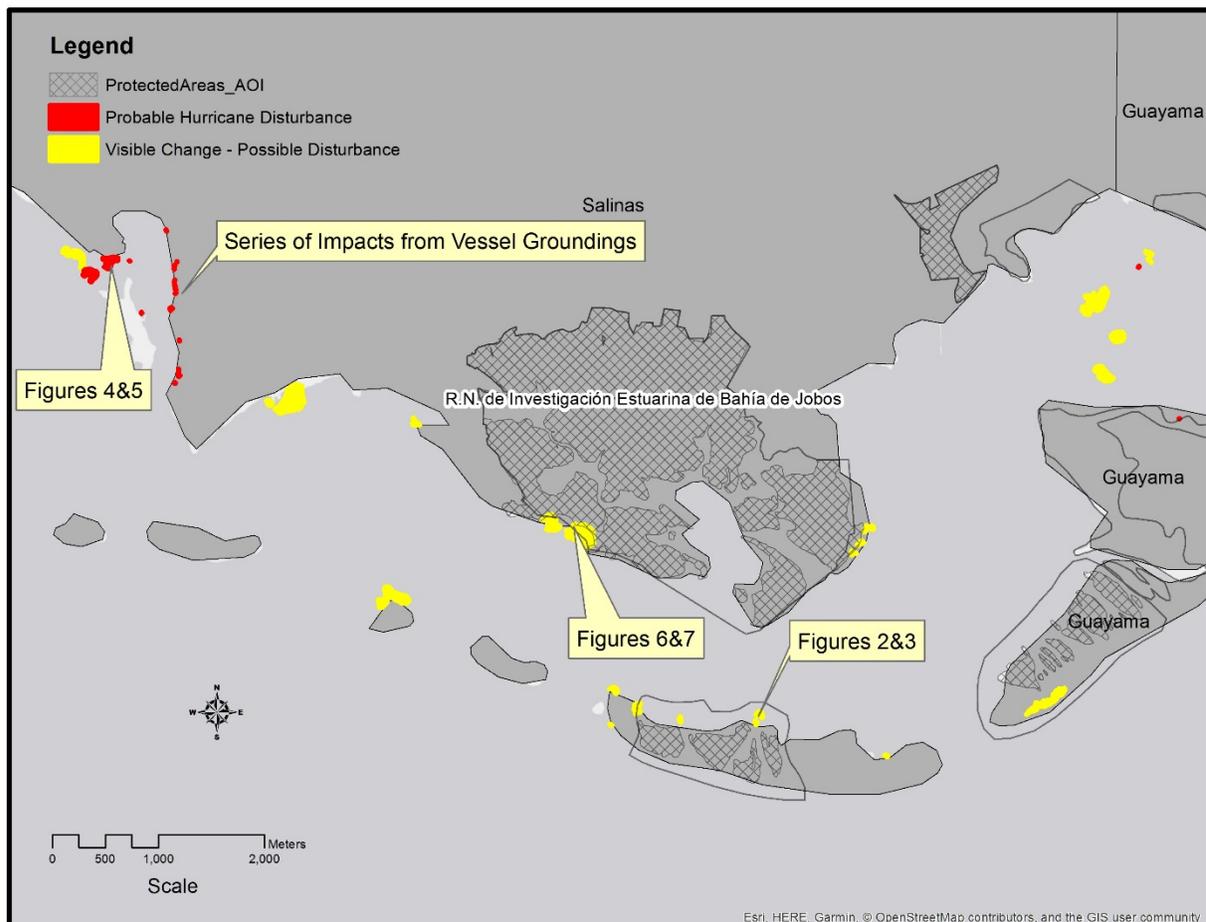


Figure 1.



Figure 2. Yellow polygons delineate post-hurricane disturbance boundaries. Red arrow brings attention to other existing propeller scars in the area prior to 2017. ESRI World Imagery, Source: Digital Globe July 15, 2015, 0.5m resolution

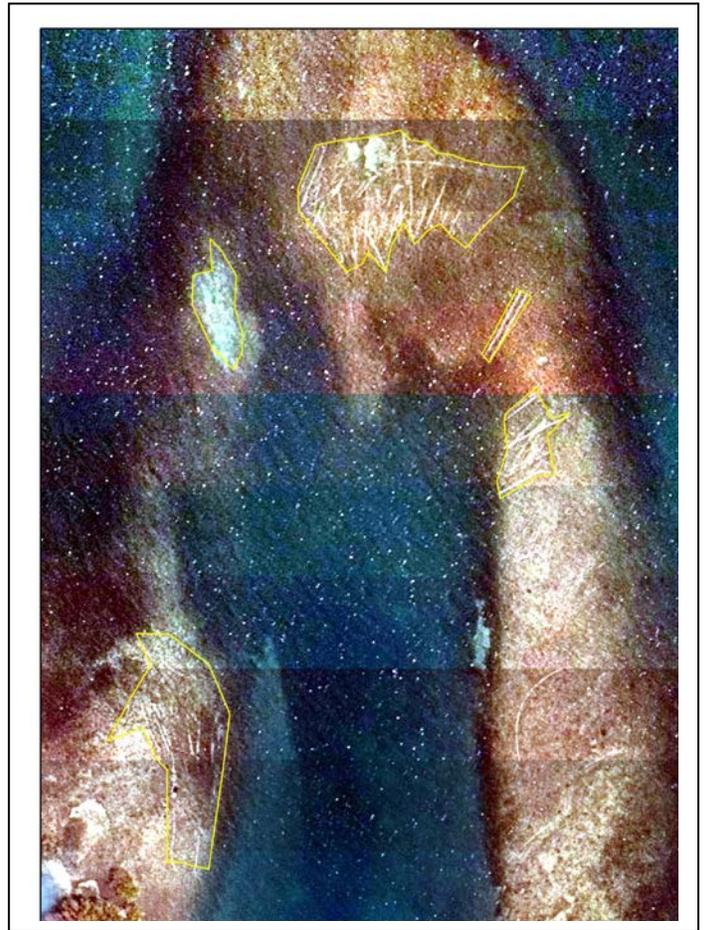


Figure 3. Yellow polygons delineate areas of intensified vessel scarring and changes in density of benthic habitat. NOAA NGS Post-hurricane Vexcel Imagery, Source: Sanborn and Quantum Spatial, September 2017, 5-7 cm resolution

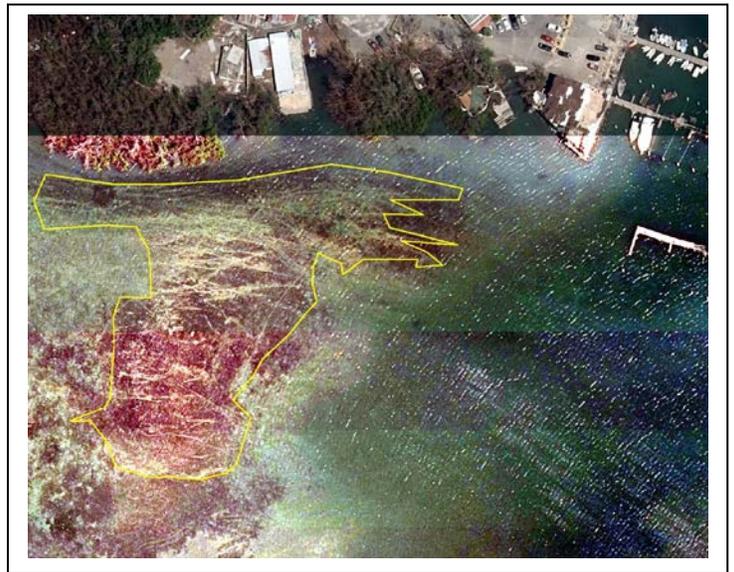
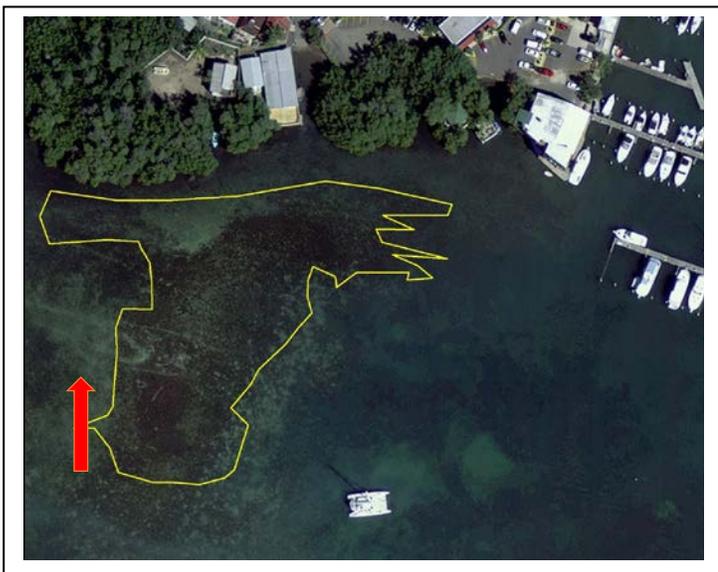
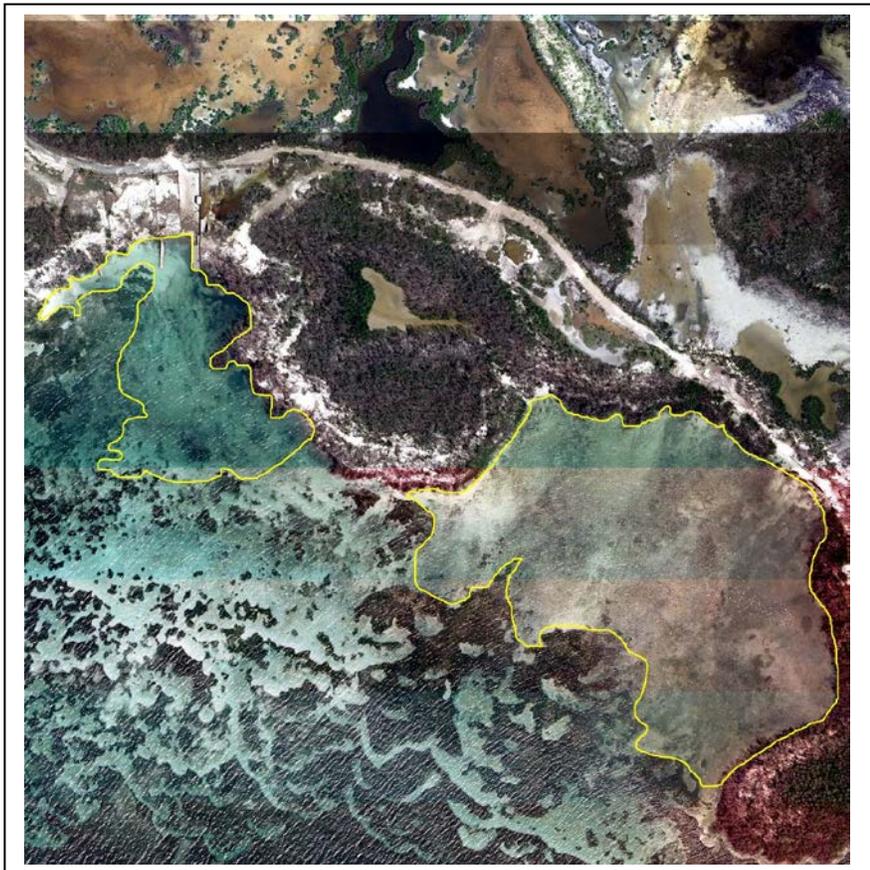
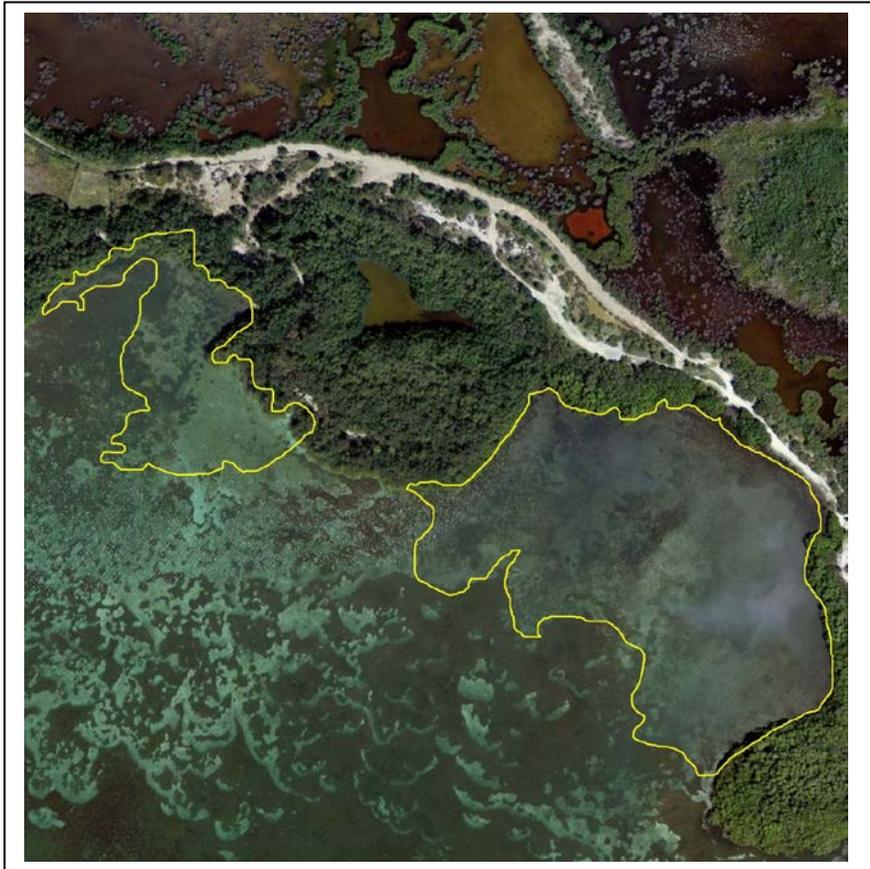


Figure 4 & 5. Left pane is pre-hurricane (see Figure 2 description), Right Pane is post-hurricane (see Figure 3 description)

Figure 6 & 7. Benthic habitats pre- (top) and post- (bottom) hurricane to show possible hurricane disturbance. Post, habitats are lighter color with less cover and greater sand matrix showing.



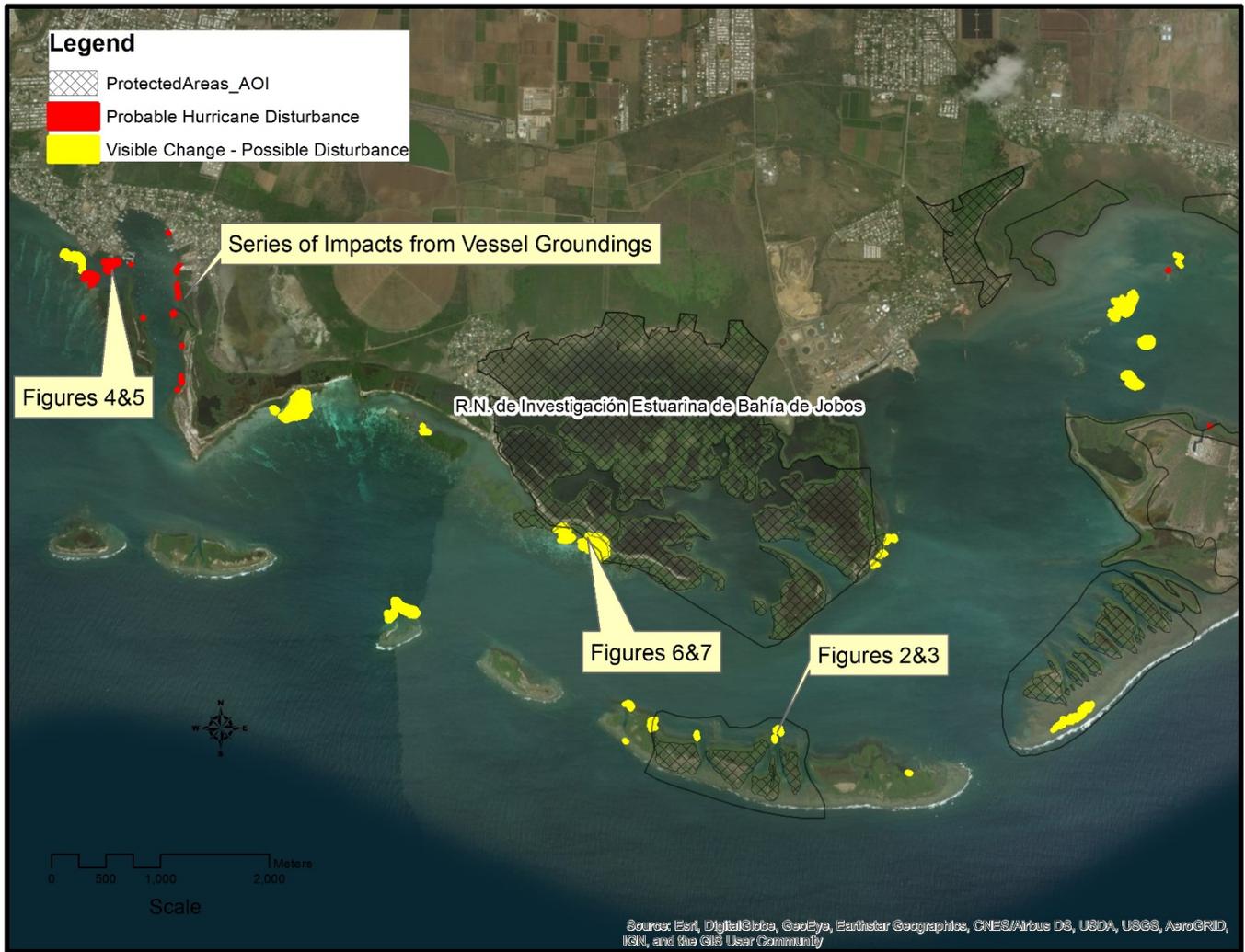


Figure 8. Disturbances with aerial imagery background, ESRI World Imagery layer