

## Debris Estimation and Removal Update 18OCT16

1. Concentrated on Duvall County assessment and noted large quantity of sand from Jacksonville Beach pushed from roadway with intent to be sifted and replaced (see photo). Traveled areas near Jacksonville as suggested by FEMA and County, one particular was a gated community, the Sanctuary, which contained multiple flooded properties with a high concentration of C&D. Overall finding low concentrations of vegetative debris curbside in the areas visited. – Powers, USACE

2. Observed operations at temporary debris reduction site near Neptune Beach with approximately 20,000 CY of vegetative debris. Hauling contractor is Grubbs with municipal hired labor monitoring. – Powers, USACE

3. Concentrated on Indian River County inland communities and debris operations. Visited Vero Beach's temporary reduction site - Henley R. Lee hauling contractor with Thompson Engineering monitoring (see photo). Contractor has eleven self-loading trucks working the city. An air curtain incinerator is on site but state has shut down operations until additional permit requirements are met. Contractor indicated a grinder will be utilized if burn permits are unobtainable. – Ansley, USACE

4. Observed operations at reduction site adjacent to landfill on Oslo road and talked to county monitor. Debris hauler is Ceres Environmental, which has seven trucks working the county. With operations ramping up only 4000 CY of vegetation was on site. Intent is to grind material and eventually use as landfill cover. – Ansley, USACE

### II. Completed County Debris Estimates (unchanged):

1. Volusia - 589,000 CY of 95% vegetative and 5% C&D on 13 Oct.
2. Flagler - 117,000 CY of 95% vegetative and 5% C&D on 14 Oct.
3. Putnam - 43,000 CY of 95% vegetative and 5% C&D on 14 Oct.
4. St. Johns County - 230,000 CY of 90% vegetative and 10% C&D on 16 Oct.
5. Brevard County - 325,125 CY of 95% vegetative and 5% C&D on 16 Oct.

### II. Future Ops

1. Complete assessments for Duvall and Indian River counties.
2. Next priority is Nassau and St. Lucie counties.
3. Support FEMA with debris mission analysis and monitoring.

### III. Hot Issues:

1. Nothing significant and no unmet needs.