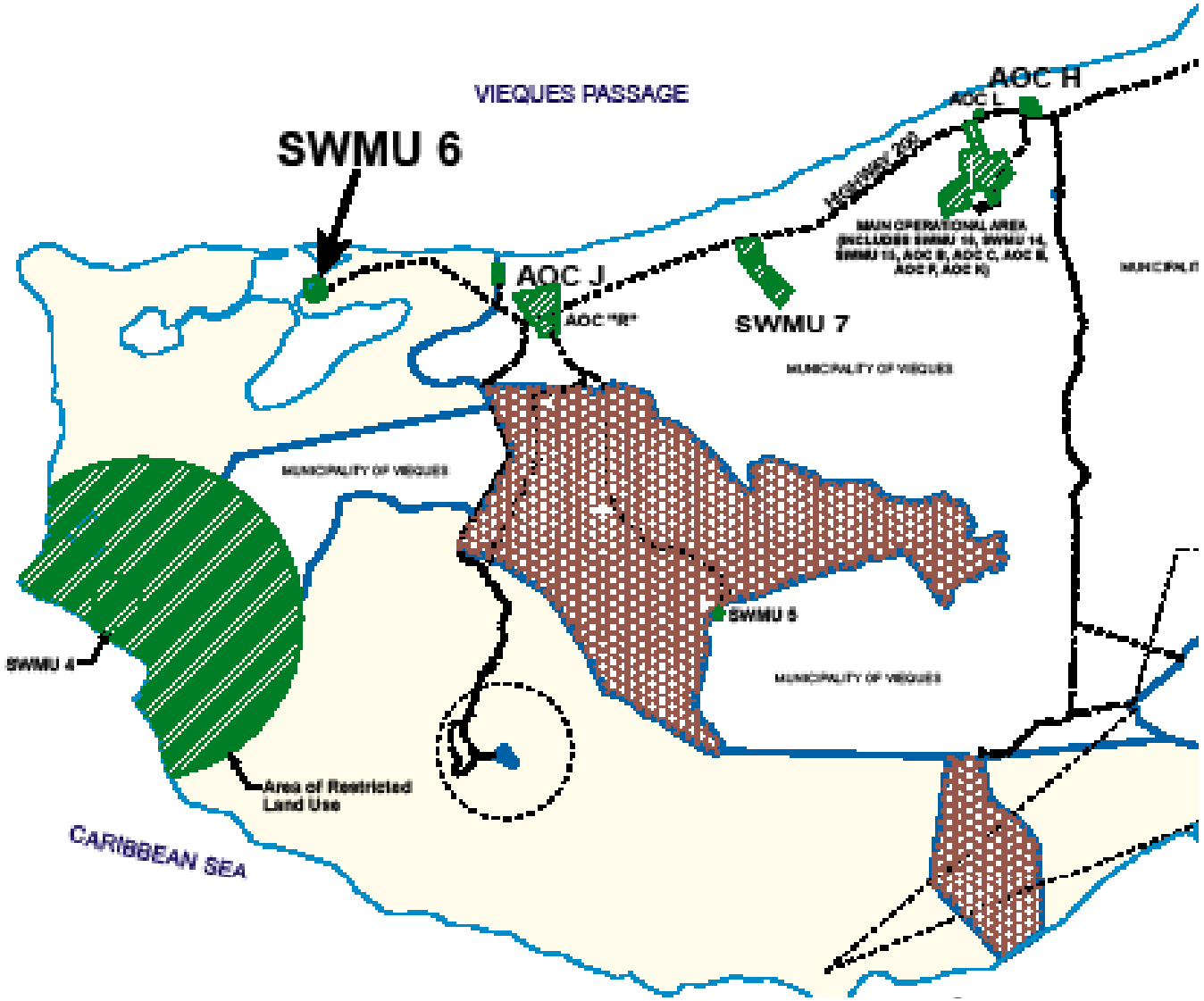
Vieques
Restoration Advisory Board Meeting
Environmental Restoration Program Update

August 2011

SWMU 6 Post-Removal Supplemental Confirmation Sampling Results

SWMU 6 – Location

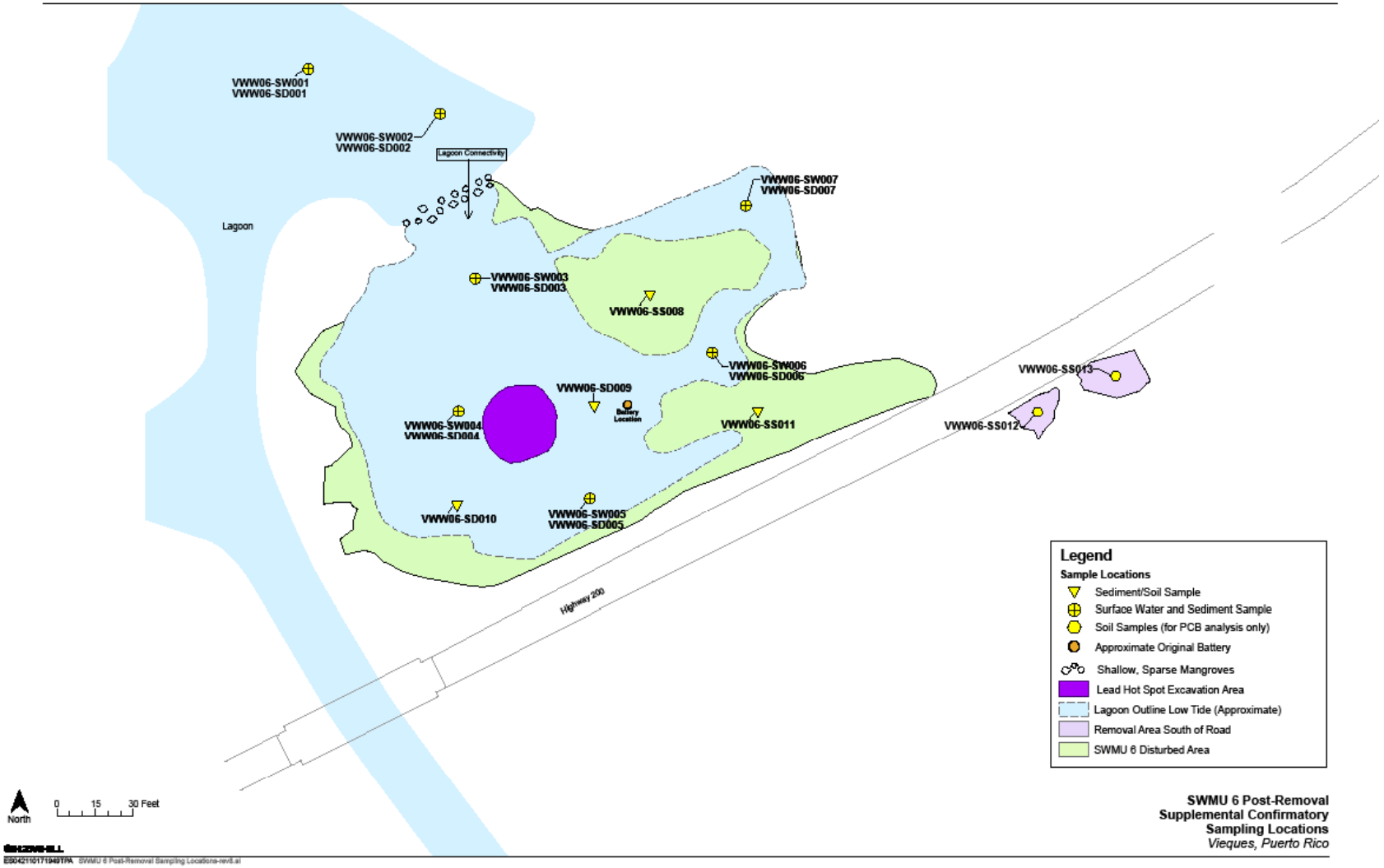


SWMU 6 – Before Removal Action

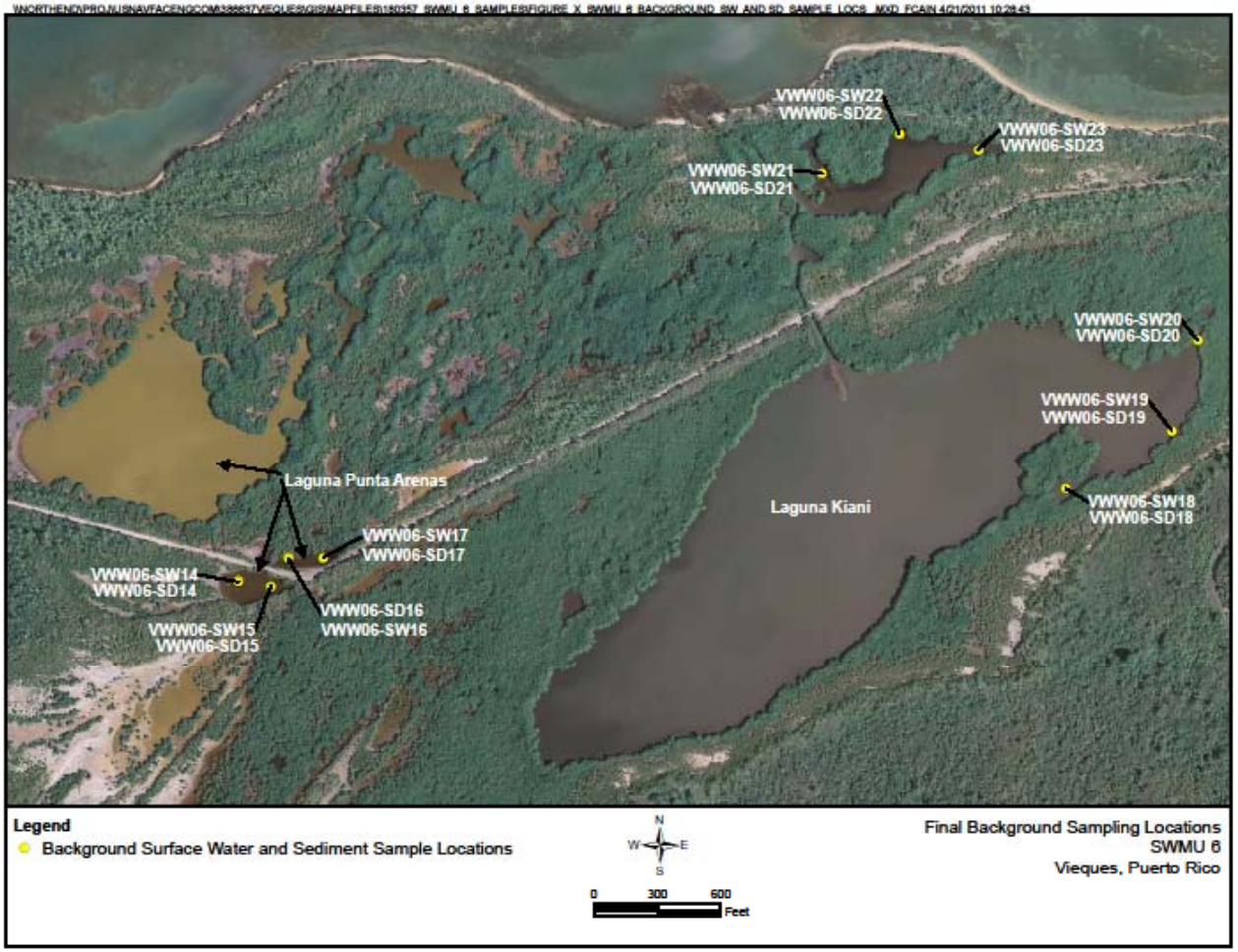
SWMU 6 – November 2010

SWMU 6 – Collecting Sediment with a Ponar Dredge (like a clam shell)

Post-Removal Supplemental Confirmatory Sampling Locations



Background Sample Locations



Post-Removal Supplemental Confirmatory Samples

- **SWMU 6**
  - **13 soil/sediment samples**
  - **7 surface water samples**
  - **Samples analyzed for:**
    - volatile organic compounds (VOCs)
    - semi-volatile organic compounds (SVOCs)
    - pesticides
    - PCBs
    - inorganics (metals)
- **Background**
  - **10 sediment samples**
  - **10 surface water samples**
  - **Samples analyzed for:**
    - pesticides
    - PCBs
    - inorganics (metals)

SWMU 6 Soil/Sediment Sample Results

- **No VOC exceedances**
- **Exceedances for 2 SVOCs**
  - **Benzo(a)pyrene at 7 locations**
  - **Benzo(b)fluoranthene at 2 locations**
- **Exceedances for 3 Pesticides**
  - **4,4-DDD at 8 locations**
  - **4,4-DDE at 7 locations**
  - **4,4-DDT at 2 locations**
- **Exceedances for 1 PCB**
  - **Aroclor 1254 at 3 locations**
- **Exceedances for 8 metals**

SWMU 6 Surface Water Sample Results

- **No VOC exceedances**
- **No SVOC exceedances**
- **No pesticide exceedances**
- **No PCB detections**
- **Exceedances for 4 metals**

Preliminary Data Evaluation

- **Risk screening identified:**
  - **Potentially unacceptable risk to people who might eat fish from lagoon**
  - **Potentially unacceptable risk to aquatic animals living in lagoon or foraging in lagoon**

Preliminary Data Evaluation, continued

- **This risk screening is based on very conservative assumptions of contaminant concentrations in aquatic plants and/or animals (including fish)**
  - **These assumptions use the surface water and sediment data to predict the concentrations that may be in the aquatic plants and/or animals**
  - **These assumptions often overestimate actual risk**

Questions?