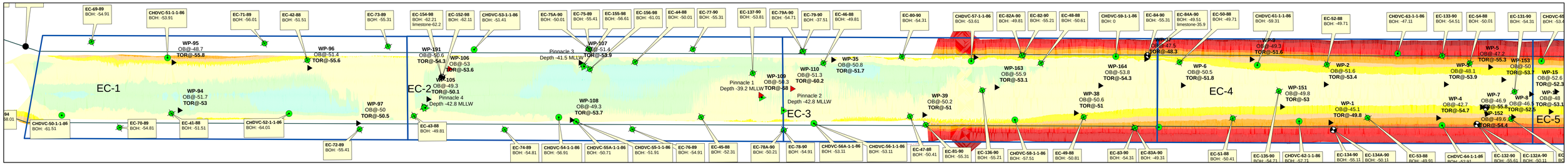
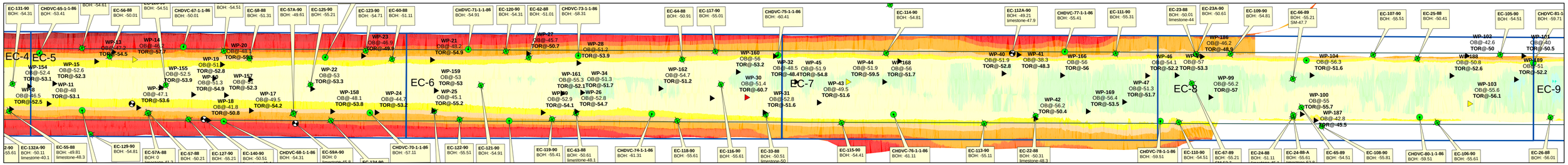
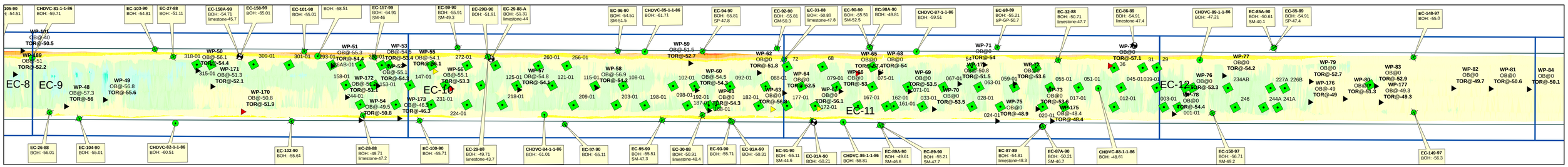
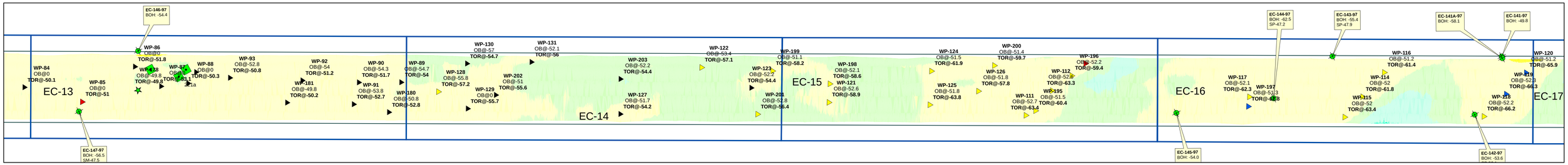
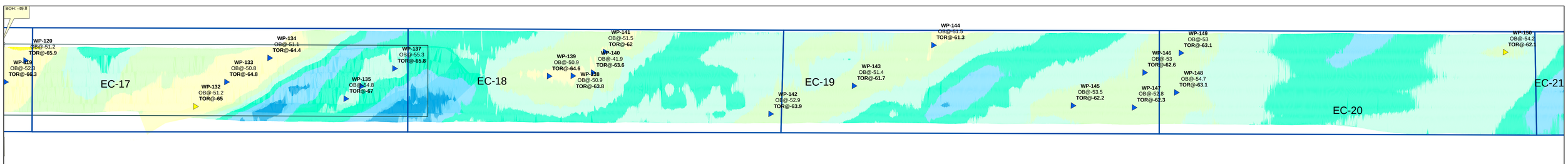










Entrance Channel Composite Geotechnical Overlay

Entrance Channel Sub-Sections

Athena 2013 Washprobes

Description

- Refusal within Dredge Prism
- Below -56 MLLW
- No Refusal Encounted
- Poss Rock Encounterd
- Video

OB = Ocean Bottom
TOR = Top of Refusal

Borings 1986-1999

Sampling Method

- Unknown
- SPT
- Rock Core
- Vibracore

Great Lakes Rock Sample

- Scow Grab Sample

NOAA Rock Pinnicles

- Diver Verified 1998

2011 Condition Survey

Bathymetry (MLLW)

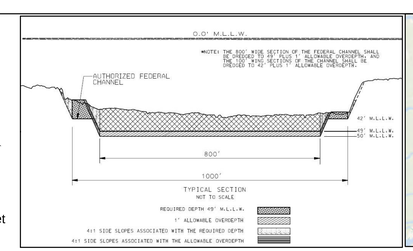
- 25.2 - 30
- 30 - 34
- 34 - 38
- 38 - 40
- 40 - 44
- 44 - 46
- 46 - 48
- 48 - 52
- 52 - 54
- 54 - 56
- 56 - 58
- 58 - 60
- 60 - 65
- 65 - 70
- 70 - 75

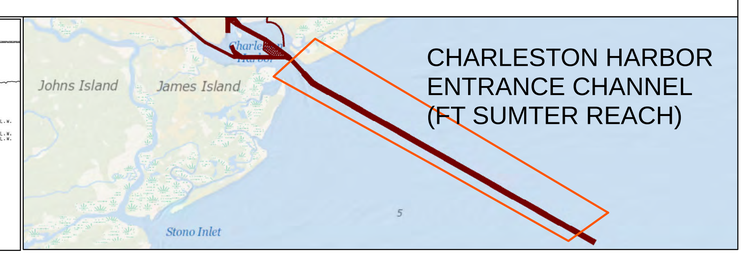
PLATE 5: CHARLESTON HARBOR ENTRANCE CHANNEL COMPOSITE OVERLAY OF WASHPROBE, HISTORICAL BORINGS, GREAT LAKES CLAIM & NOAA DIVER MAPPING

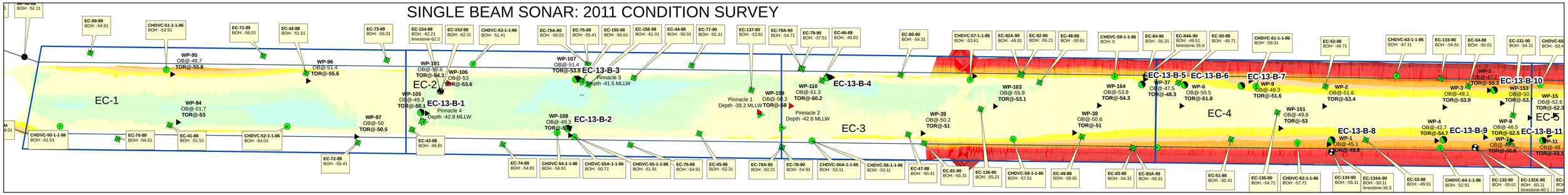
N

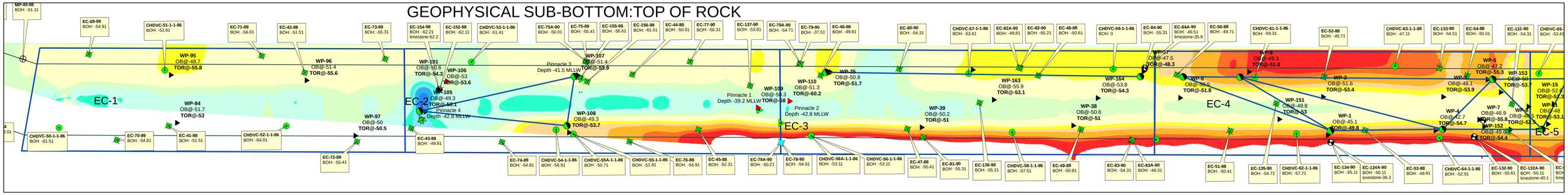
0 0.125 0.25 0.5 0.75 1 Miles

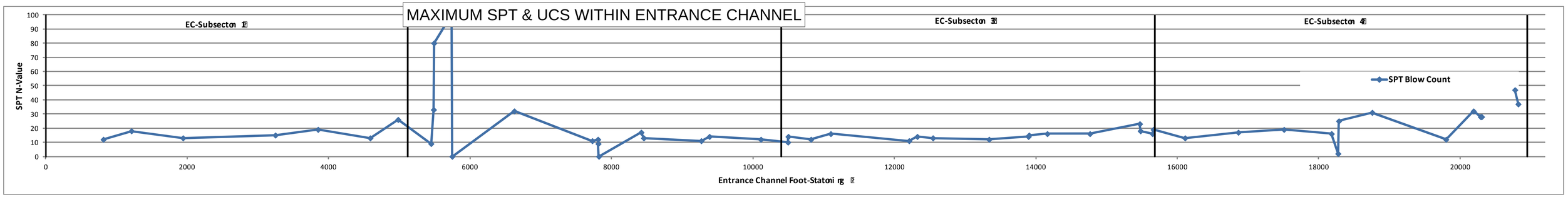
1,000 500 0 1,000 2,000 3,000 4,000 Feet

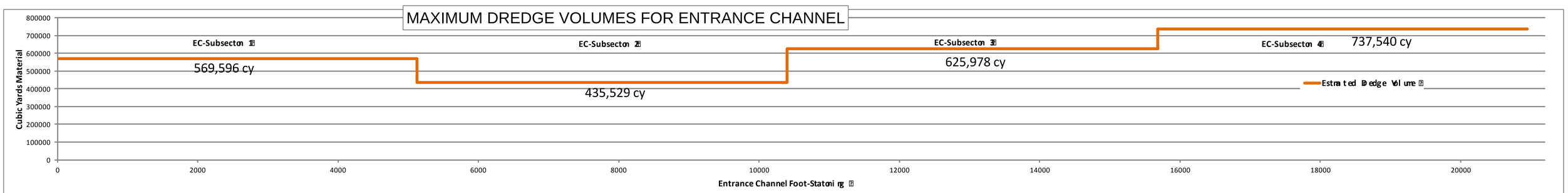












Entrance Channel Rock Core Targeting Overlay

- Prioritized Rock Core TGT
- Rock core correlation

Athena 2013 Washprobes

Description

- Refusal within Dredge Prism
- Below -56 MLLW
- No Refusal Encounted
- Poss Rock Encounterd
- Video

NOAA Rock Pinnicles

- Diver Verified 1998

Borings 1986-1999

Boring Type

- Unknown
- SPT
- Rock Core
- Vibracore

Great Lakes Rock Sample

- Scow Grab Sample

OB = Ocean Bottom
TOR = Top of Refusal
BOH = Bottom of Hole (Borings)
UCS = Unconfined Compressive Strength (Rock)

2011 Condition Survey

Bathymetry (MLLW)

25.2 - 30
30 - 34
34 - 38
38 - 40
40 - 44
44 - 46
46 - 48
48 - 52
52 - 54

Geophysical TOR Survey

Elevation (MLLW)

-38 - -34
-40 - -38
-44 - -40
-46 - -44
-48 - -46
-52 - -48
-54 - -52
-56 - -54
-58 - -56
-60 - -58
-65 - -60
-70 - -65
-75 - -70
-77 - -75

0 0.125 0.25 0.5 0.75 1 Miles

1,000 500 0 1,000 Feet

N

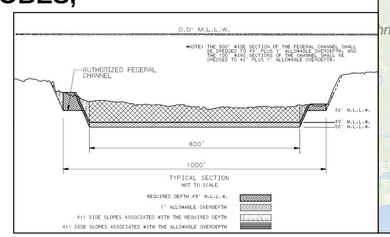
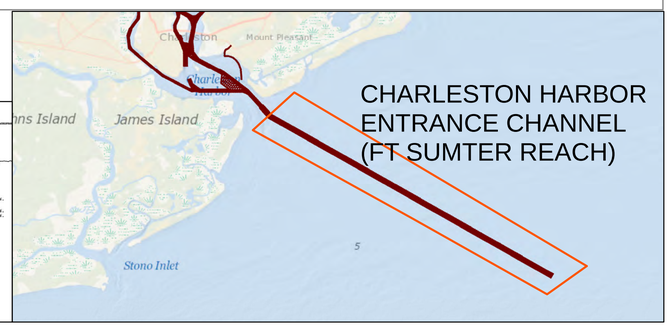



PLATE 6: CHARLESTON HARBOR ENTRANCE CHANNEL COMPOSITE ROCK CORE TARGETING OVERLAY- HISTORICAL BORINGS, WASHPROBES, GEOPHYSICAL & STRENGTH PARAMETERS FOR EC-1 THRU EC-4