

US Army Corps
of Engineers
Seattle District

FY18 SOUTH BEACH BENEFICIAL USE SITE CAPACITY & PLACEMENT PLAN

MARCH 2018 (CONDITION)

MAR 2018

1. STATIC CAPACITY FOR SOUTH BEACH BENEFICIAL USE SITE, PRIORITY 1:
SJDS TO -35' MLLW: 1,454,531 CY (CAPACITY SHOWN)

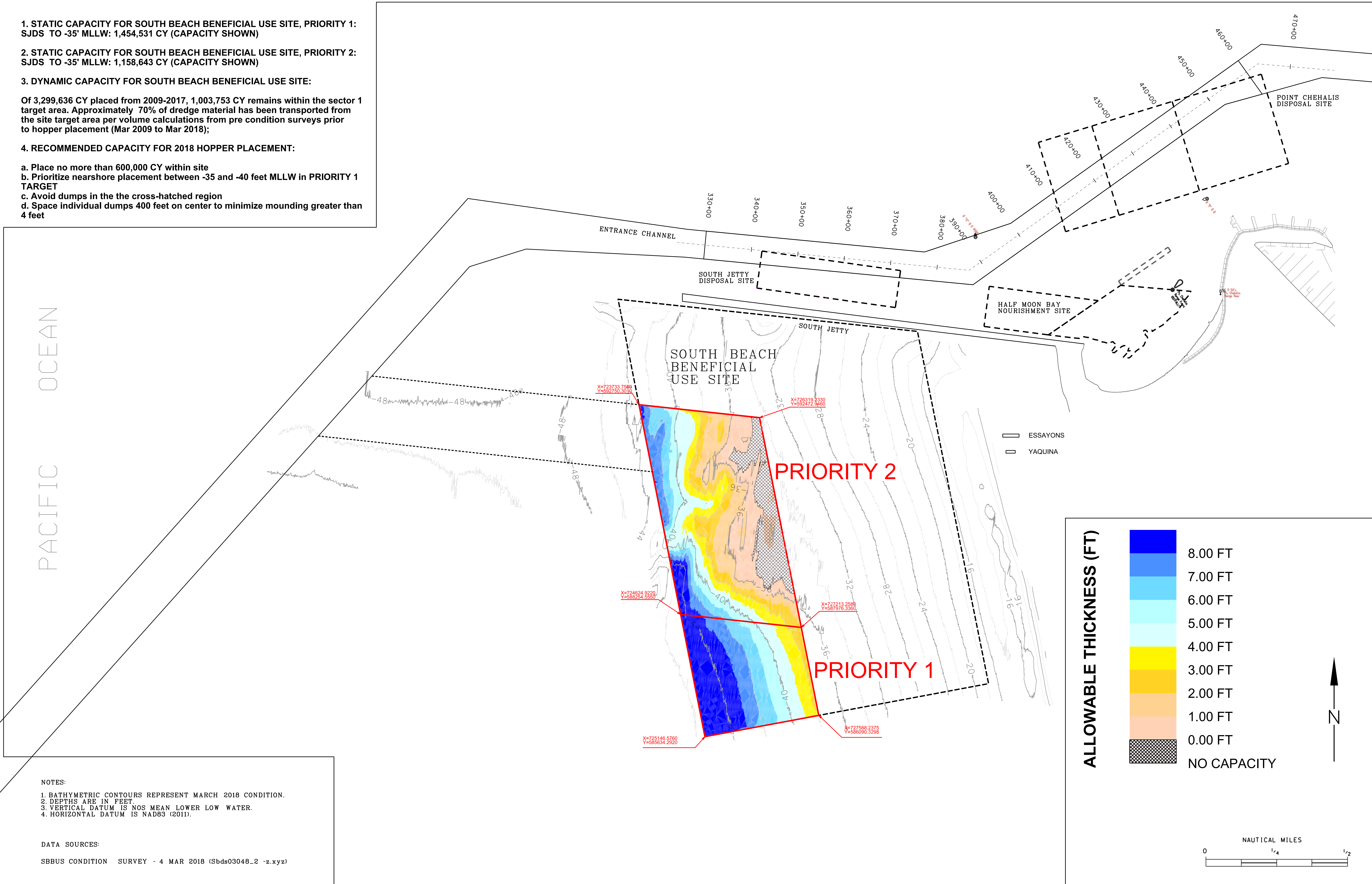
2. STATIC CAPACITY FOR SOUTH BEACH BENEFICIAL USE SITE, PRIORITY 2:
SJDS TO -35' MLLW: 1,158,643 CY (CAPACITY SHOWN)

3. DYNAMIC CAPACITY FOR SOUTH BEACH BENEFICIAL USE SITE:

Of 3,299,636 CY placed from 2009-2017, 1,003,753 CY remains within the sector 1 target area. Approximately 70% of dredge material has been transported from the site target area per volume calculations from pre condition surveys prior to hopper placement (Mar 2009 to Mar 2018);

4. RECOMMENDED CAPACITY FOR 2018 HOPPER PLACEMENT:

- a. Place no more than 600,000 CY within site
- b. Prioritize nearshore placement between -35 and -40 feet MLLW in PRIORITY 1 TARGET
- c. Avoid dumps in the the cross-hatched region
- d. Space individual dumps 400 feet on center to minimize mounding greater than 4 feet



PACIFIC OCEAN

NOTES:
1. BATHYMETRIC CONTOURS REPRESENT MARCH 2018 CONDITION.
2. DEPTHS ARE IN FEET.
3. VERTICAL DATUM IS NOS MEAN LOWER LOW WATER.
4. HORIZONTAL DATUM IS NAD83 (2011).

DATA SOURCES:
SBBUS CONDITION SURVEY - 4 MAR 2018 (Sbds03048_2 -z.xyz)

