

DEEP WATER DISPOSAL SITE (INCLUDING BUFFER)

Corner coordinates	Dimensions
46°11'03.03" N, 124°10'01.30" W 46°13'09.78" N, 124°12'39.67" W 46°10'40.88" N, 124°16'46.48" W 46°08'34.22" N, 124°14'08.07" W	17,000 feet wide by 23,000 feet long. Depth 180 feet to 310 feet. Buffer 3,000 feet wide.

DEEP WATER PLACEMENT AREA

Corner coordinates	Dimensions
46°11'06.00" N, 124°11'05.99" W 46°12'28.01" N, 124°12'48.48" W 46°10'37.96" N, 124°15'50.91" W 46°09'15.99" N, 124°14'08.40" W	11,000 feet wide by 17,000 feet long. Depth 190 feet to 290 feet. [Surrounded by 3,000 ft-wide buffer].

Shallow Water site. The proposed Shallow Water site is a dispersive site (material placed at the site leaves the site) and consists of a Placement Area on the sea bottom and a smaller, specified "Drop Zone" for dredged material disposal. Because the proposed site is dispersive, no buffer zone is specified for the Shallow Water site. The proposed Shallow Water site integrates the existing designated Site E, and expands the width and length of the site as described below. The Shallow Water Drop Zone is proposed to occupy

the same location, with the same dimensions, as Expanded Site E and occupies approximately 531 acres or 0.626 sq nmi. The overall site and Placement Area occupies approximately 1,198 acres or 1.4 sq nmi. Site monitoring since 1997 demonstrated that material released within the boundaries of "Expanded Site E" temporarily deposited on the sea bottom as a truncated mound that was larger than the release area. While some of the placed material was dispersed out of the site and into the littoral system during

direct disposal, the majority was eroded away to the north and northwest following the summer dredging season by the stronger winter waves and currents. Material placed at the Shallow Water site is expected to be transported out of the site during and following the dredging season and dispersed by natural ocean forces to the north and northwest and augment the littoral system. The coordinates (NAD 83), dimensions, and depth of water of the proposed Section 102 site are as follows:

SHALLOW WATER PLACEMENT AREA AND DISPOSAL SITE

Corner coordinates	Dimensions
46°15'31.64" N, 124°05'09.72" W 46°14'17.66" N, 124°07'14.54" W 46°15'02.87" N, 124°08'11.47" W 46°15'52.77" N, 124°05'42.92" W	3,100 to 5,600 feet width by 11,500 feet long. Azimuth (long axis): 229° T. Depth: 45 feet to 75 feet. No Buffer.

SHALLOW WATER DROP ZONE

Corner coordinates	Dimensions
46°15'35.36" N, 124°05'15.55" W 46°14'31.07" N, 124°07'03.25" W 46°14'58.83" N, 124°07'36.89" W 46°15'42.38" N, 124°05'26.55" W	1,054 feet to 3,600 feet width by 10,000 feet long. Depth 45 feet to 75 feet.

F. Analysis of Criteria Pursuant to the Ocean Dumping Act Regulatory Requirements

Five general regulatory criteria are used in the selection and approval of ocean disposal sites for continuing use. See 40 CFR 228.5. Sites are selected so as to: minimize interference with other marine activities; keep temporary perturbations in water quality or other environmental conditions during initial mixing caused by disposal operations anywhere within the site to be reduced to normal or undetectable concentrations or effects before reaching beaches, shorelines, marine sanctuaries

or known geographically limited fisheries or shellfisheries; terminate use as soon as a suitable alternate site can be designated if at any time disposal operations at a site cause unacceptable adverse impacts; limit the size of the site to localize for identification and to control any immediate adverse impacts and permit the implementation of effective monitoring and surveillance to prevent adverse long-range impacts; and wherever feasible to designate sites beyond the edge of the continental shelf and other such sites that have been historically used. Eleven specific criteria are used in evaluating a

proposed disposal site to assure that the general criteria are met. See 40 CFR 228.6. The evaluations of the general and specific criteria, provided below, are based on information published in the 1983 and 1999 EISs and the 2003 Final SEIS, Corps and EPA Environmental Assessments for 103 Site expansions in 1993 and 1997, monitoring studies, data provided by fishery industry groups, crab data collected and evaluated by the Corps and EPA as part of the EIS and SEIS processes, a report produced by the Corps in studying potential wave-related effects at the proposed Shallow