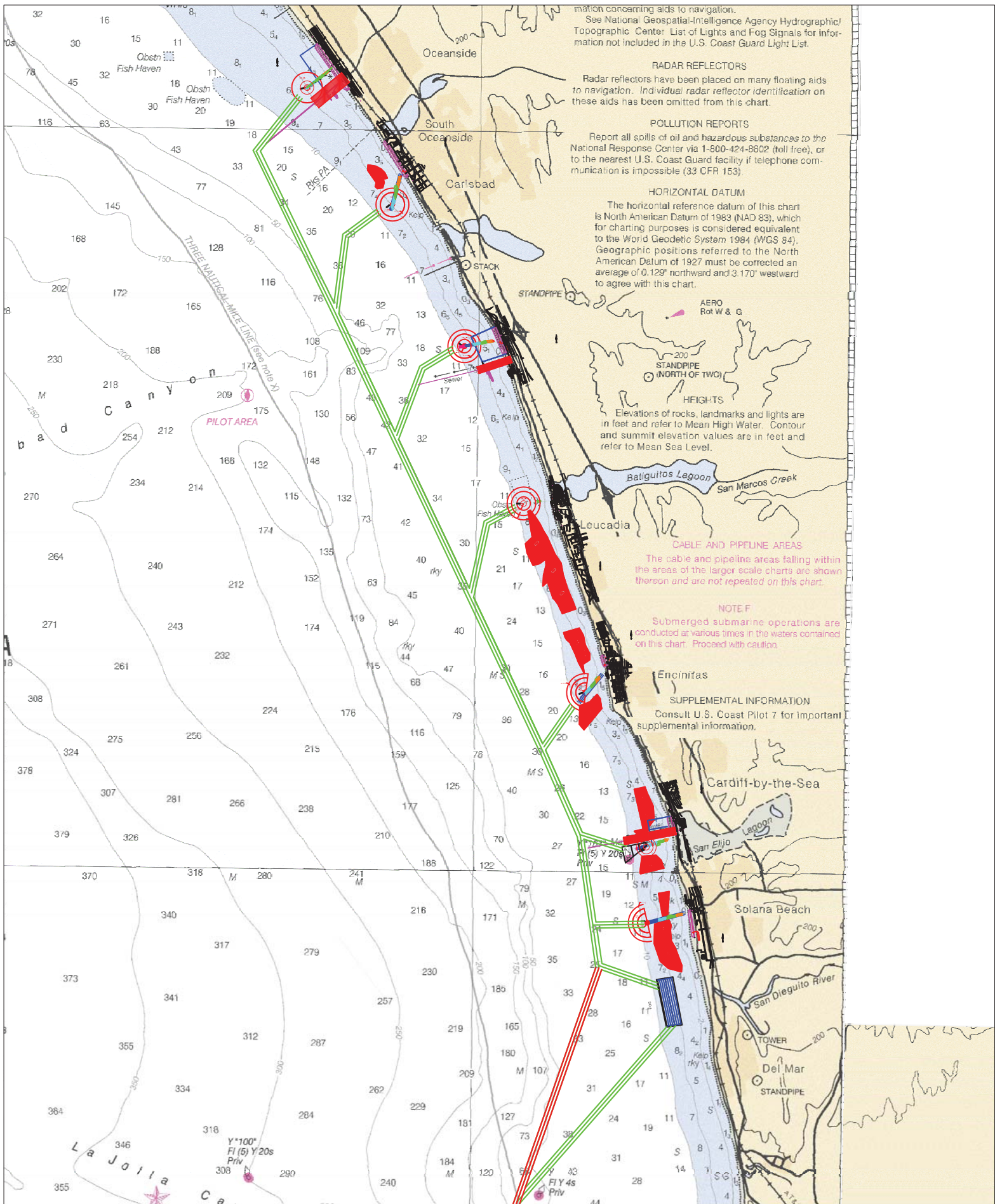




01	PAGE	PROJECT	
		San Diego Regional Beach Sand Project	
01	PAGE	TITLE/SURVEY TITLE	
		North County Sail Routes	



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REVISIONS	DESCRIPTION	DATE

Great Lakes Dredge & Dock Company
92661 SANDAG Regional Beach Sand Project II
San Diego, CA

Sail Routes

From Borrow Area SO-6 (all routes starting from NW corner of borrow area)			
SO-6	Latitude	Longitude	Heading
Northwest Corner	33° 00' 20.10" N	117° 17' 33.66" W	288°

Beach	Turn 1			Turn 2			Turn 3		
	Latitude	Longitude	Heading	Latitude	Longitude	Heading	Latitude	Longitude	Heading
Oceanside Beach	33° 00' 29.73" N	117° 18' 16.83" W	336°	33° 09' 41.84" N	117° 23' 35.90" W	049°			
North Carlsbad Beach	33° 00' 29.73" N	117° 18' 16.83" W	336°	33° 07' 30.43" N	117° 22' 17.55" W	007°	33° 08' 33.94" N	117° 22' 08.81" W	054°
South Carlsbad Beach	33° 00' 29.73" N	117° 18' 16.83" W	336°	33° 05' 49.25" N	117° 21' 18.93" W	021°	33° 06' 47.16" N	117° 20' 53.65" W	059°

Sail Routes

From Borrow Area SO-5 (all routes starting from NW portion of borrow area)			
SO-5	Latitude	Longitude	Heading
Northwest Corner	32° 58' 27.43" N	117° 17' 00.59" W	289°

Beach	Turn 1			Turn 2			Turn 3			Turn 4		
	Latitude	Longitude	Heading	Latitude	Longitude	Heading	Latitude	Longitude	Heading	Latitude	Longitude	Heading
Batiquitos Beach	32° 58' 43.72" N	117° 17' 57.86" W	352°	33° 00' 29.72" N	117° 18' 16.85" W	336°	33° 03' 41.44" N	117° 20' 04.93" W	012°	33° 04' 41.87" N	117° 19' 49.80" W	062°
Moonlight Beach	32° 58' 43.72" N	117° 17' 57.86" W	352°	33° 00' 29.72" N	117° 18' 16.85" W	336°	33° 01' 38.73" N	117° 18' 54.44" W	035°			
Cardiff Beach	32° 58' 43.72" N	117° 17' 57.86" W	352°	33° 00' 29.72" N	117° 18' 16.85" W	108°						
Solana Beach	32° 58' 43.72" N	117° 17' 57.86" W	352°	32° 59' 16.52" N	117° 18' 03.72" W	089°						