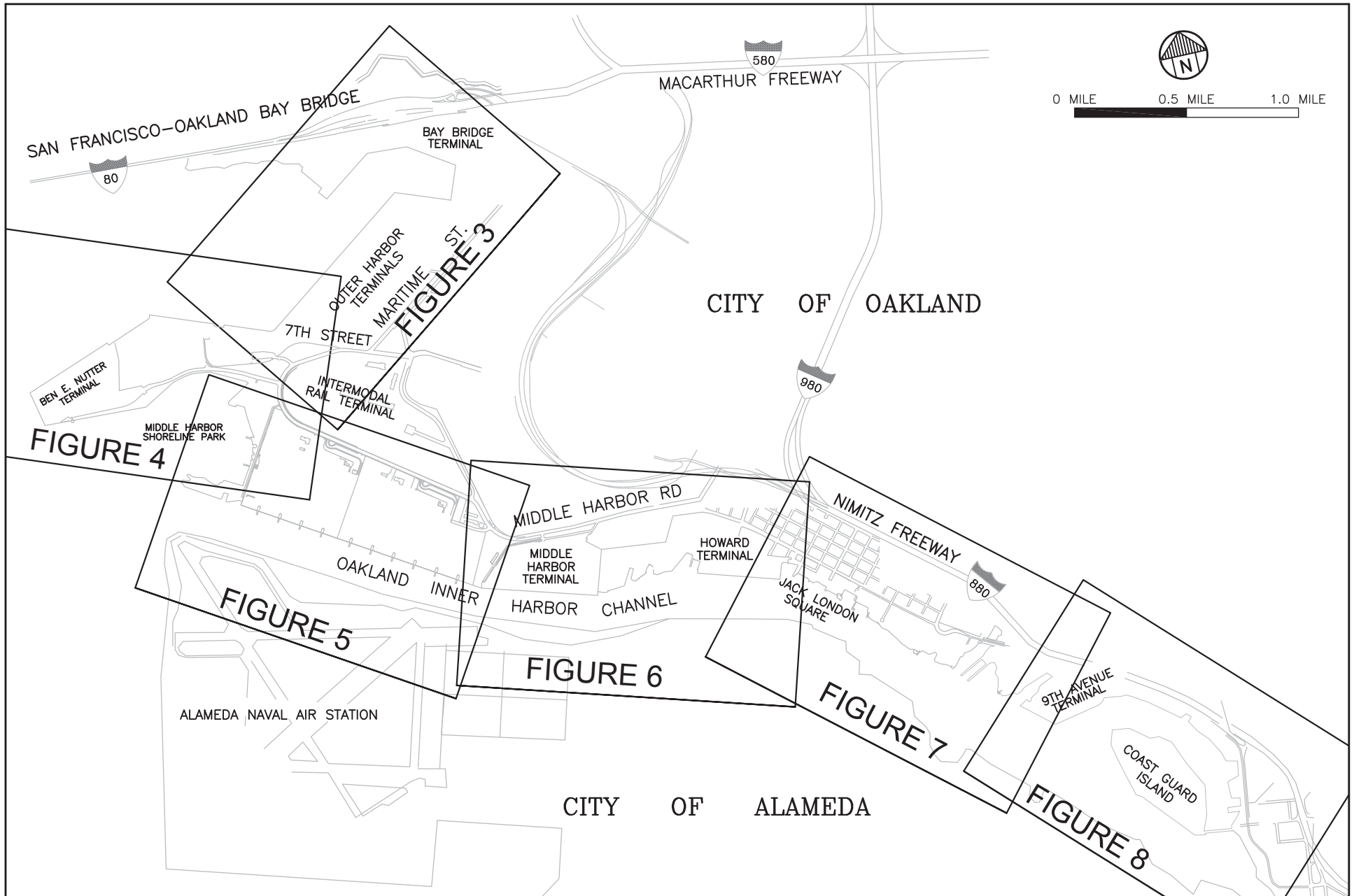


Port of Oakland, Berth & Marina Maintenance Dredging 2014-2023

Figure 1: Vicinity Map



PORT OF OAKLAND



530 WATER ST. OAKLAND, CALIFORNIA

CONSOLIDATED DREDGING-DREDGED MATERIAL REUSE/DISPOSAL APPLICATION

Figure 2 - Plan View: Location Sheet
 Port of Oakland Berth & Marina Maintenance Dredging 2014-2023

ALL PROPOSED WORK IS WITHIN THE CITY OF OAKLAND AND THE COUNTY OF ALAMEDA

DRAWING PREPARED BY T. CHU
 DATE: 2/6/14 SCALE: AS SHOWN

800' 0' 800' 1,600'



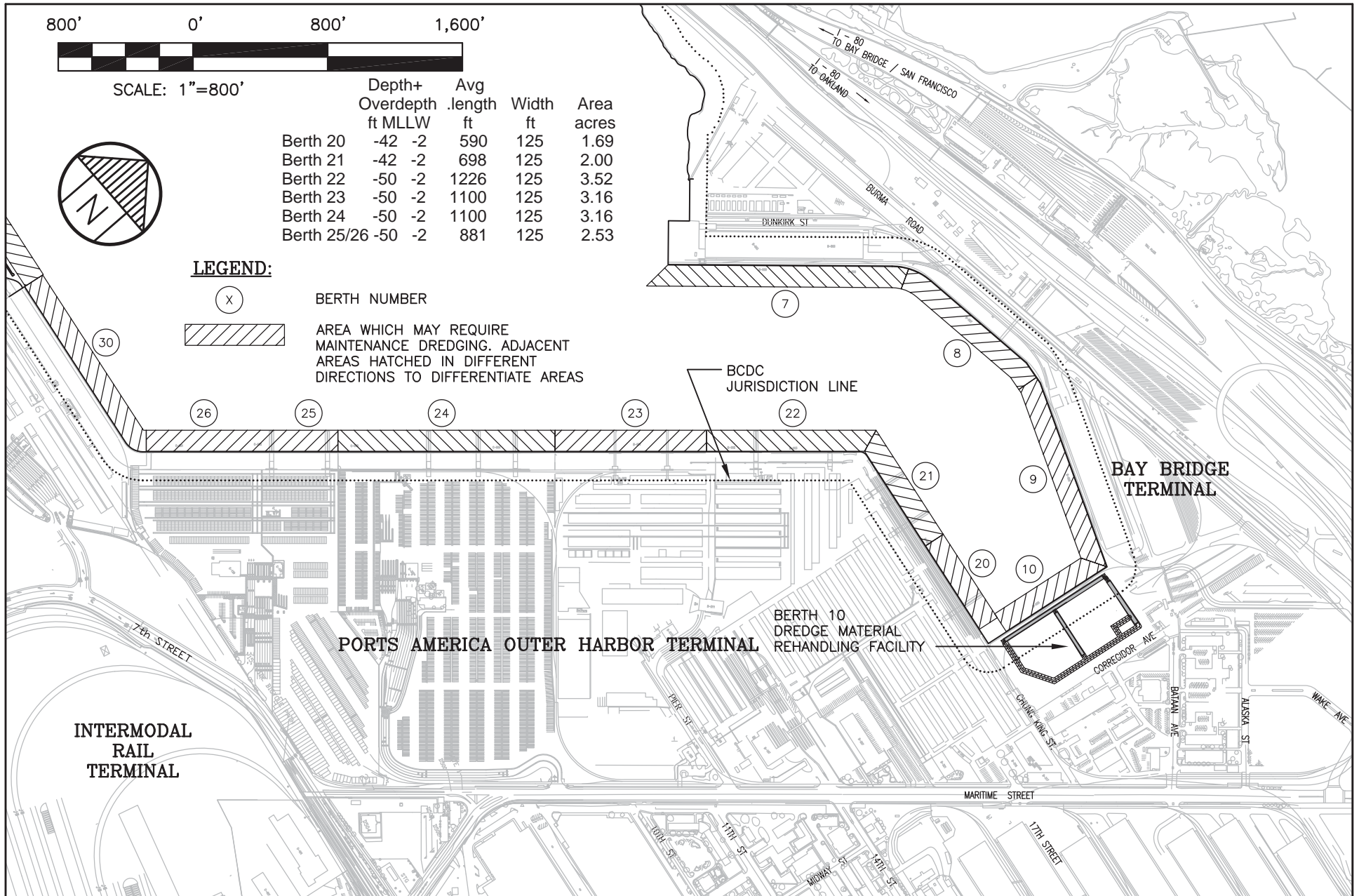
SCALE: 1"=800'



	Depth+ Overdepth ft MLLW	Avg length ft	Width ft	Area acres
Berth 20	-42 -2	590	125	1.69
Berth 21	-42 -2	698	125	2.00
Berth 22	-50 -2	1226	125	3.52
Berth 23	-50 -2	1100	125	3.16
Berth 24	-50 -2	1100	125	3.16
Berth 25/26	-50 -2	881	125	2.53

LEGEND:

- (X) BERTH NUMBER
- AREA WHICH MAY REQUIRE MAINTENANCE DREDGING. ADJACENT AREAS HATCHED IN DIFFERENT DIRECTIONS TO DIFFERENTIATE AREAS



PORT OF OAKLAND



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**CONSOLIDATED DREDGING-DREDGED MATERIAL
REUSE/DISPOSAL APPLICATION**

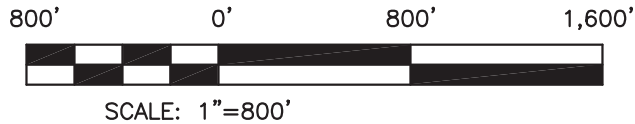
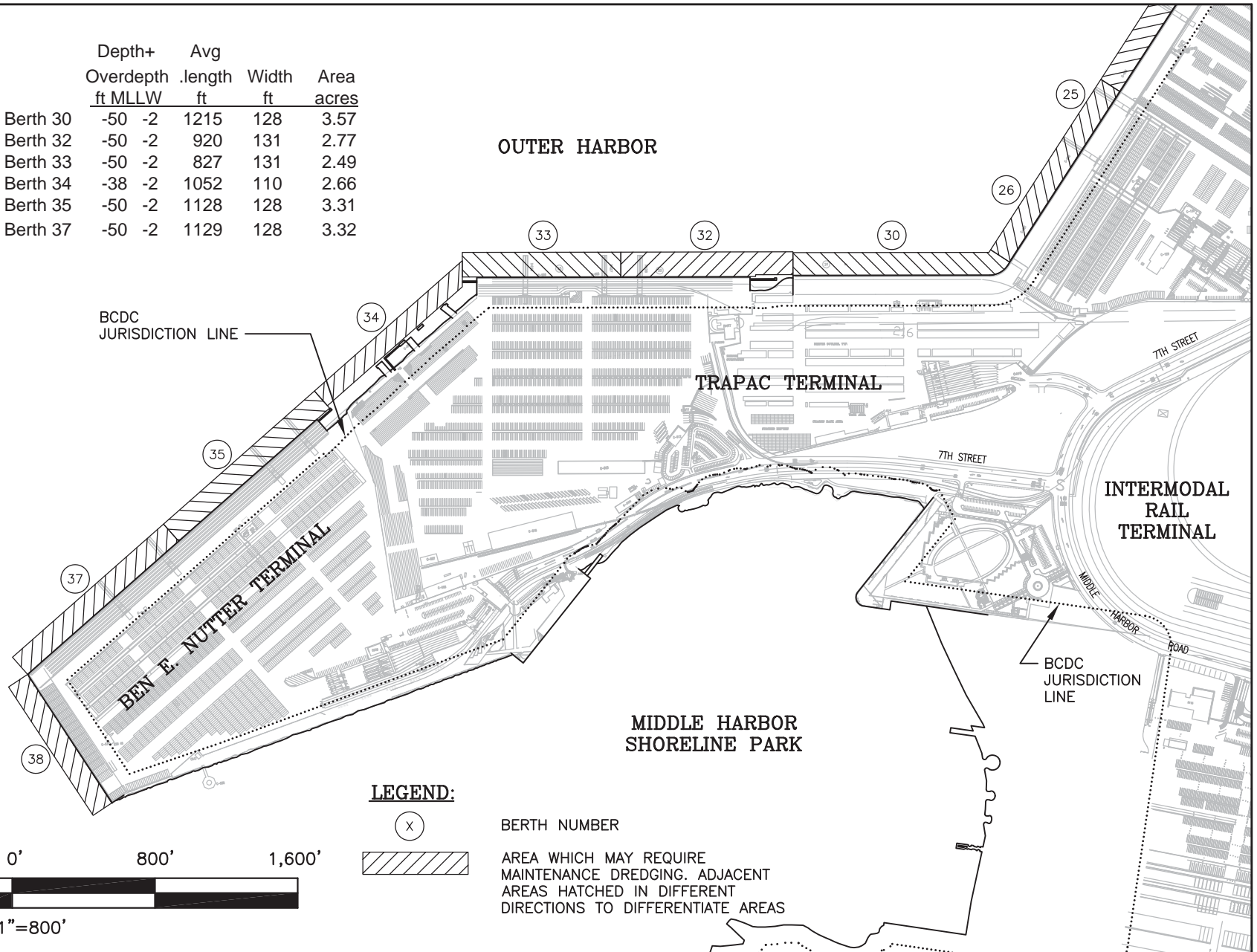
**Figure 3 - Plan View: Berths 7 to 26
Berth & Marina Maintenance Dredging 2014-2023**

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OF ALAMEDA

DRAWING PREPARED BY T. CHU
DATE: 2/6/14 SCALE: AS SHOWN

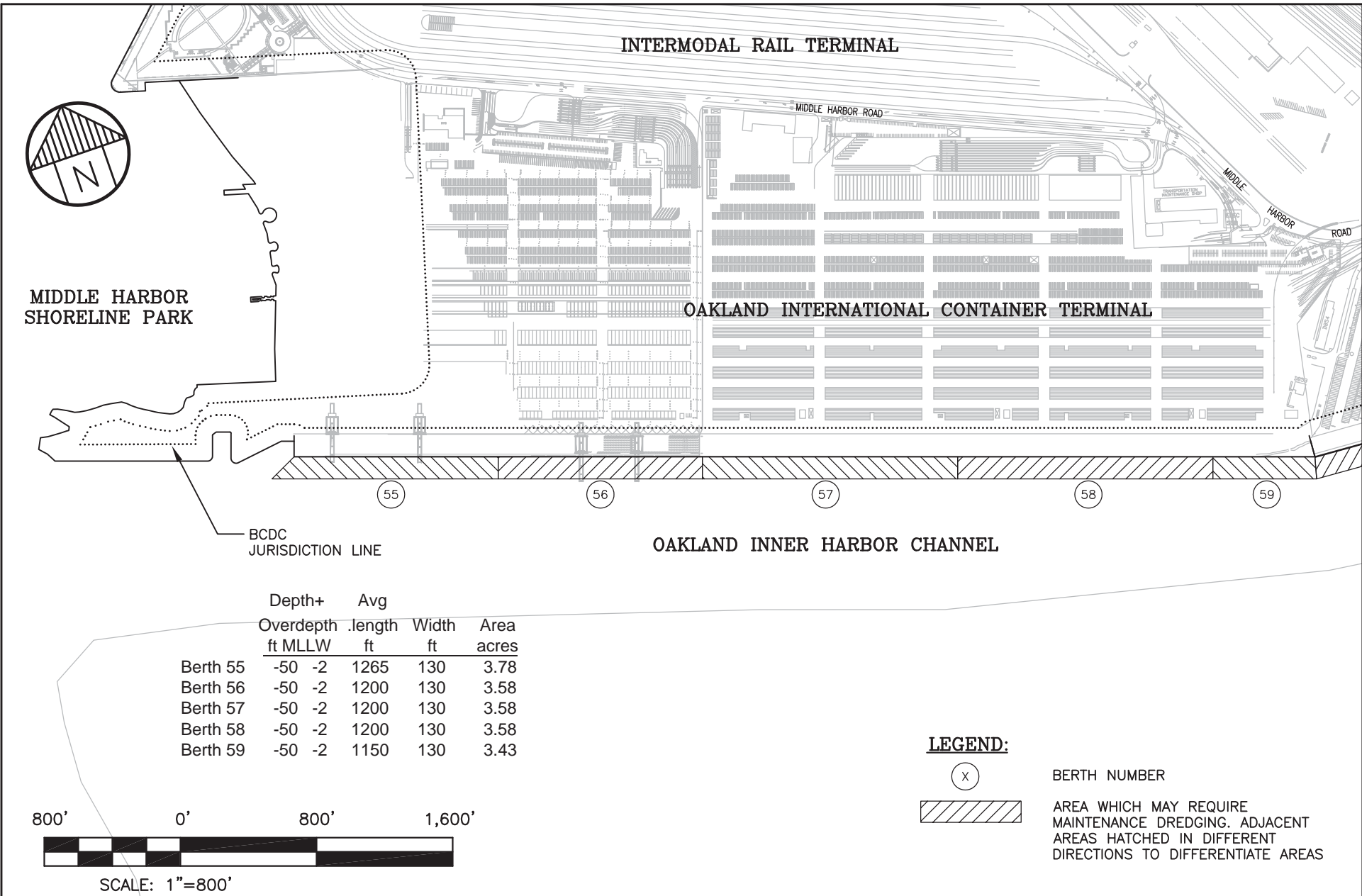


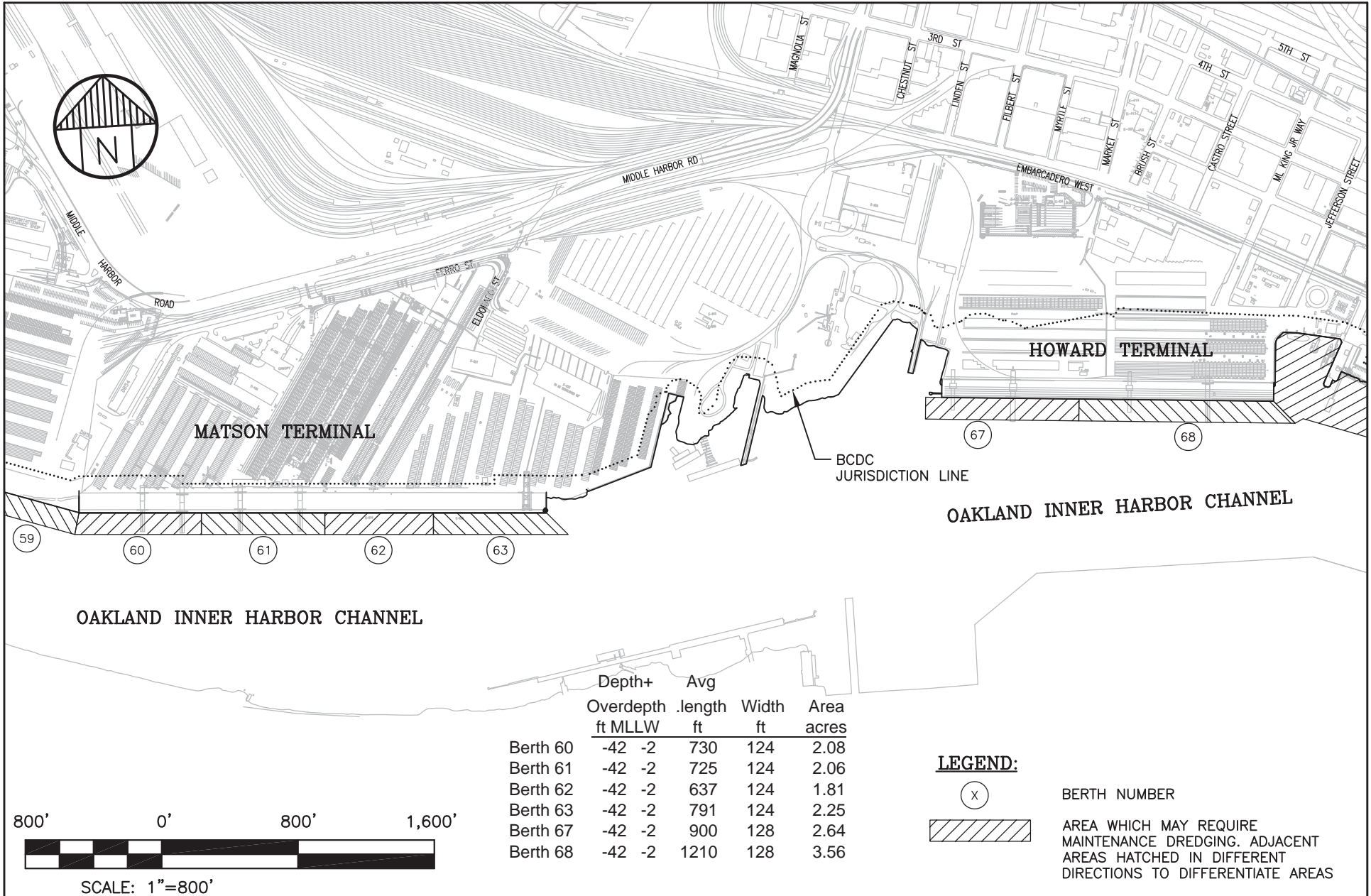
	Depth+	Avg			
	Overdepth	.length	Width	Area	
	ft MLLW	ft	ft	acres	
Berth 30	-50 -2	1215	128	3.57	
Berth 32	-50 -2	920	131	2.77	
Berth 33	-50 -2	827	131	2.49	
Berth 34	-38 -2	1052	110	2.66	
Berth 35	-50 -2	1128	128	3.31	
Berth 37	-50 -2	1129	128	3.32	

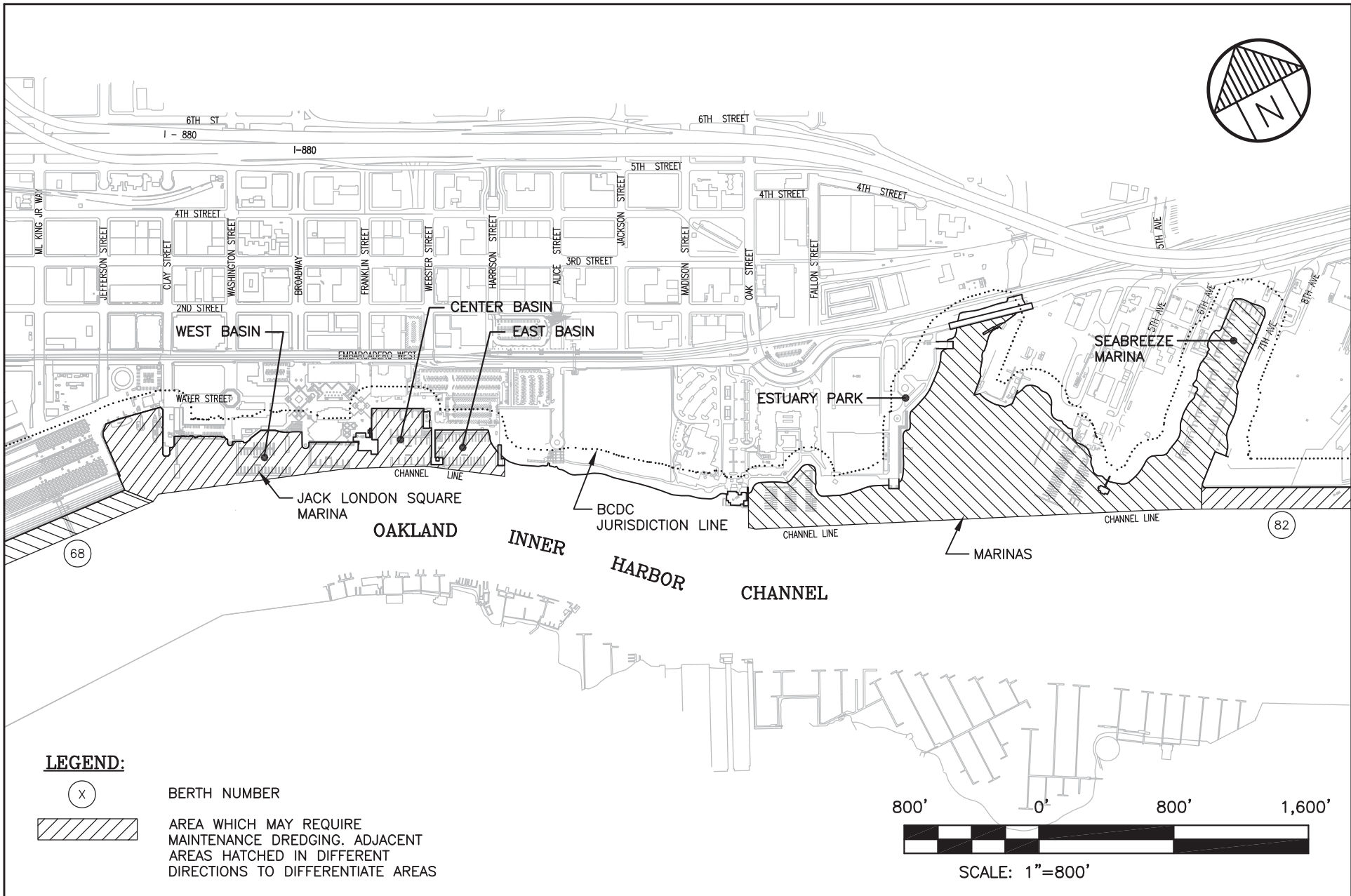


LEGEND:

- (X) BERTH NUMBER
- [Hatched Box] AREA WHICH MAY REQUIRE MAINTENANCE DREDGING. ADJACENT AREAS HATCHED IN DIFFERENT DIRECTIONS TO DIFFERENTIATE AREAS







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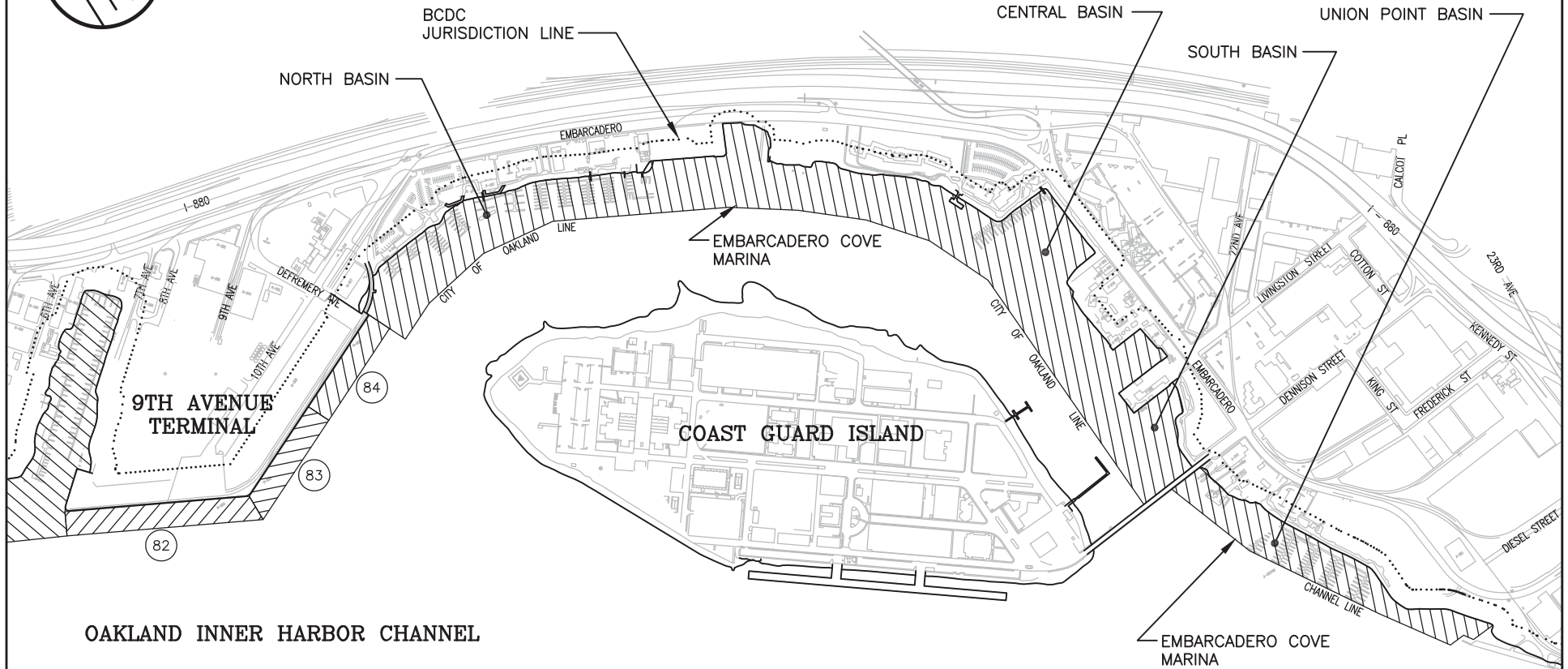
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CONSOLIDATED DREDGING-DREDGED MATERIAL REUSE/DISPOSAL APPLICATION

**Figure 7 - Plan View: Marinas, Jack London Sq. to 9th Av.
Berth & Marina Maintenance Dredging 2014-2023**

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DATE: 2/6/14 SCALE: AS SHOWN



LEGEND:



BERTH NUMBER



AREA WHICH MAY REQUIRE MAINTENANCE DREDGING. ADJACENT AREAS HATCHED IN DIFFERENT DIRECTIONS TO DIFFERENTIATE AREAS



SCALE: 1"=800'

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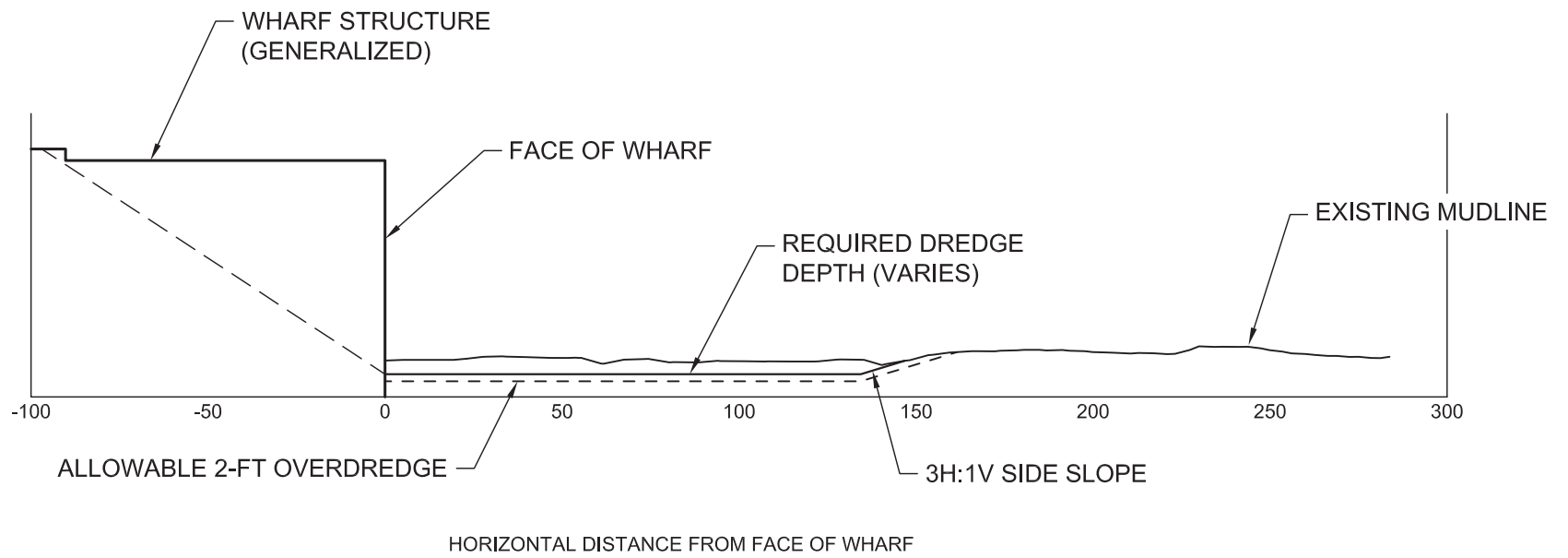
CONSOLIDATED DREDGING-DREDGED MATERIAL REUSE/DISPOSAL APPLICATION

Figure 8- Plan View: Marinas, 9th Av to Embarcadero Cove Berth & Marina Maintenance Dredging 2014-2023

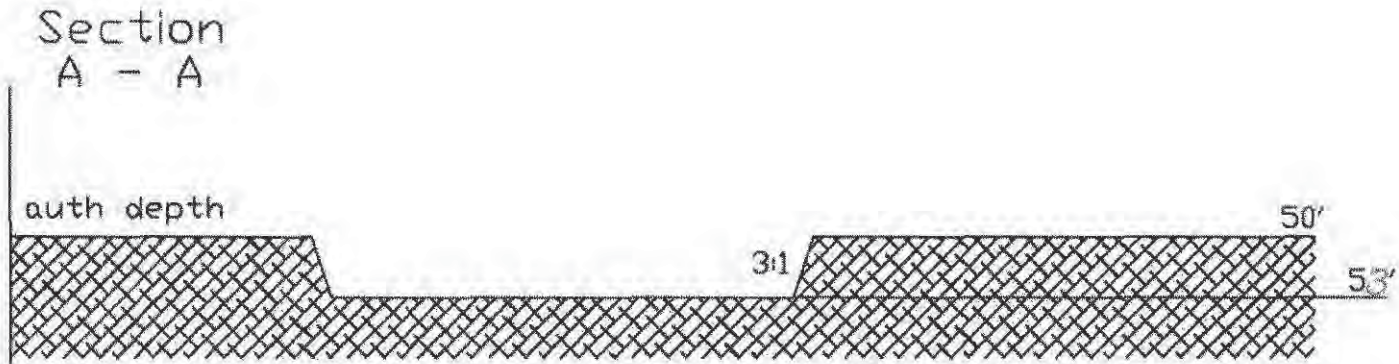
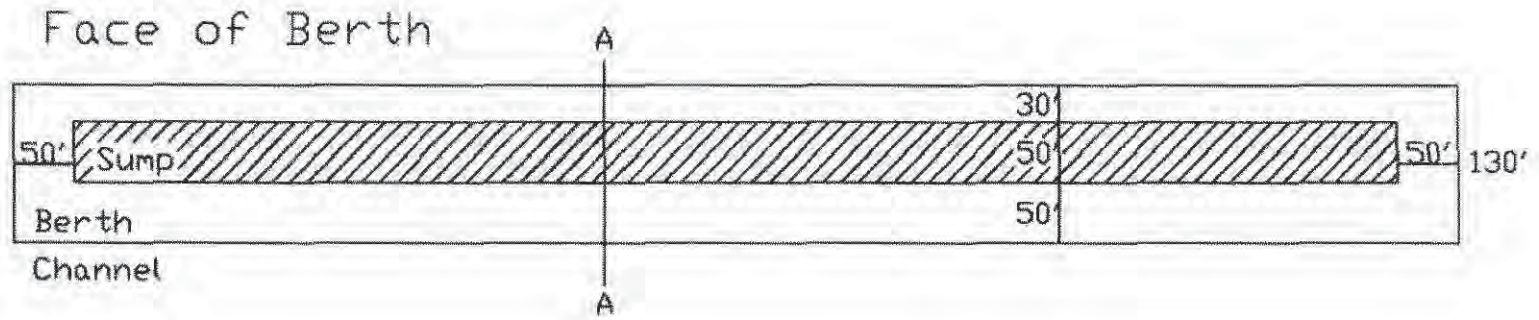
ALL PROPOSED WORK IS WITHIN THE CITY OF OAKLAND AND THE COUNTY OF ALAMEDA

DRAWING PREPARED BY T. CHU
DATE: 2/6/14 SCALE: AS SHOWN

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Apr 18, 2008 12:36pm heriksen



Apr 16, 2008 8:42am henkean K:\Jobs\050313-PORT_OF_OAKLAND\05031301\05031301-010.DWG F10



**CONSOLIDATED DREDGING-DREDGED MATERIAL
REUSE/DISPOSAL APPLICATION**



**Figure 10 – Advance Maintenance Trench Configuration
Berth & Marina Maintenance Dredging 2014-2023**

Table 1: Port of Oakland Maintenance Dredging Locations, Depths and Volumes, 2014 to 2023

Dredge area	Permitted depth	Overdepth	Average berth length	Berth width	Berth area	Estimated 10-year dredging volume 2014-2023
Berth	(ft MLLW)	(ft MLLW)	feet	feet	acres	cubic yards
20	-42	2	590	125	1.69	NDA
21	-42	2	698	125	2.00	NDA
22	-50	2	1,226	125	3.52	80,000
23	-50	2	1,100	125	3.16	65,000
24	-50	2	1,100	125	3.16	70,000
25/26	-50	2	881	125	2.53	120,000
30	-50	2	1,215	128	3.57	140,000
32	-50	2	920	131	2.77	120,000
33	-50	2	827	131	2.49	NDA
34	-38	2	1,052	110	2.66	NDA
35	-50	2	1,128	128	3.31	150,000
37	-50	2	1,129	128	3.32	120,000
55	-50	2	1,265	130	3.78	90,000
56	-50	2	1,200	130	3.58	85,000
57	-50	2	1,200	130	3.58	80,000
58	-50	2	1,200	130	3.58	75,000
59	-50	2	1,150	130	3.43	50,000
60	-42	2	730	124	2.08	45,000
61	-42	2	725	124	2.06	40,000
62	-42	2	637	124	1.81	35,000
63	-42	2	791	124	2.25	40,000
67 ^a	-42	2	900	128	2.64	NDA
68 ^a	-42	2	1,210	128	3.56	NDA
				Subtotal	66.5	1,405,000
While dredging is not currently planned over the next ten years at the following berths, marinas or other Port-owned water areas, an estimate of dredging volume and area is included:						
7, 8, 9 ^b	-37	-2	3,570	125	10.24	100,000 (estimated)
10	-36	-2	659	125	1.89	
38	-42	-2	862	128	2.53	
82, 83, 84 ^b	-35	-2	2,129	125	6.11	
Foot of Broadway marina	-15	-1			95 acres	
All other marinas	-12	-1				
Total CY (proposed)						1,505,000
10% contingency						150,500
Total CY, with 10% contingency (proposed)						1,655,500
Expected annual average (range) of dredge volume ^c						105,000 (100,000-150,000)
Expected annual average (range) of acres dredged ^c						36 acres (20-100)
Proposed disposal location						SF-DODS, SF-11 or upland

NDA = No Dredging Anticipated

a - Berths are permitted to -50 feet by the RWQCB and BCDC, but have not yet been deepened.

b - Lengths in feet of Berths 7, 8, 9, 82, 83 & 84 are 1473, 964, 1133, 982, 582 & 565, respectively.

c - Averages based on the last five years of berth maintenance dredging at the Port of Oakland.