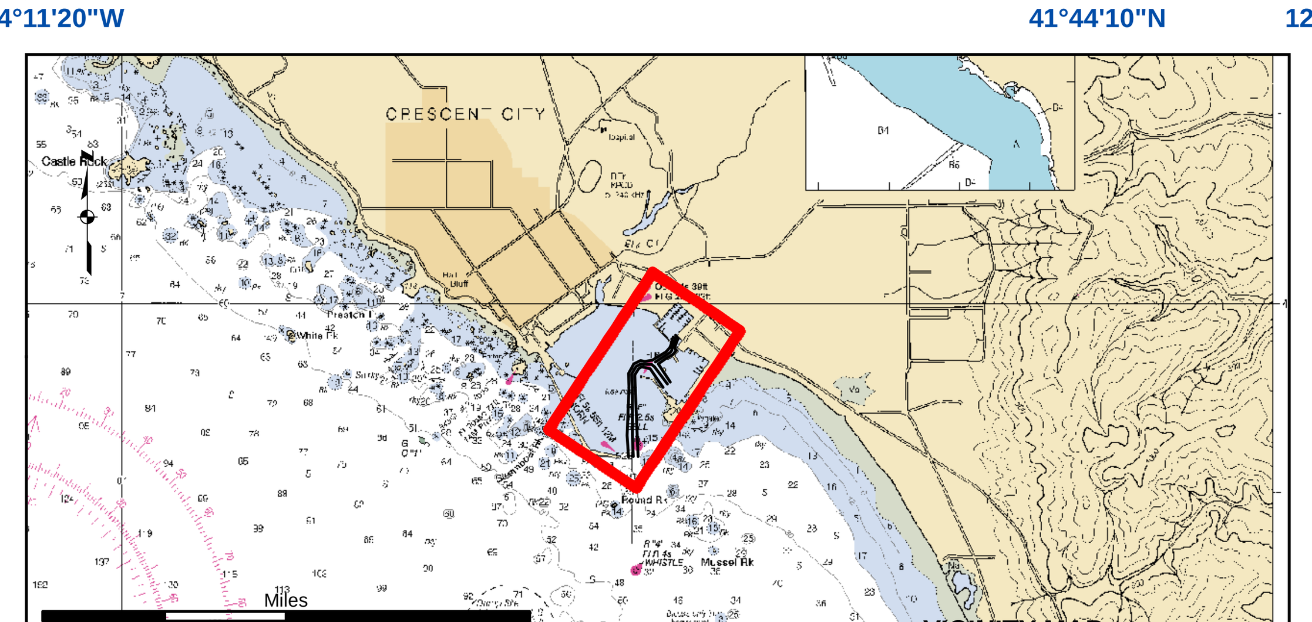
Angle Point	Easting	Northing
01	5964034.06	2523317.15
02	5964016.64	2524016.94
03	5964112.28	2525555.38
04	5964100.94	2526002.91
05	5964291.44	2526320.06
06	5964510.66	2526417.87
07	5964640.82	2526387.82
08	5964896.75	2526428.90
09	5965340.91	2526683.00
10	5965466.85	2526813.90
11	5965566.98	2527049.75
12	5965533.54	2527090.90
13	5965656.54	2527207.90
14	5965741.54	2527102.90
15	5965617.15	2526809.28
16	5965658.54	2526720.90
17	5965569.54	2526594.90
18	5965354.54	2526471.90
19	5965075.79	2526287.40
20	5965454.87	2525702.48
21	5965208.23	2525530.41
22	5965004.97	2525845.23
23	5964811.88	2526142.53
24	5964530.87	2526207.95
25	5964430.39	2526163.01
26	5964302.32	2525949.44
27	5964312.18	2525550.74
28	5964336.54	2524024.90
29	5964353.96	2523325.11
C01	5964194.01	2523321.13
C02	5964176.59	2524020.92
C03	5964212.14	2525553.06
C04	5964201.63	2525976.17
C05	5964360.92	2526241.54
C06	5964520.76	2526312.91
C07	5964618.13	2526290.37
C08	5964854.32	2526285.71
C09	5964948.91	2526207.67
C10	5965351.62	2525630.45
C11	5964981.68	2526361.78
C12	5965473.68	2526652.44
C13	5965525.97	2526721.89
C14	5965541.25	2526811.61
C15	5965655.12	2527079.88
C16	5965590.20	2527144.80



- Federal Navigation Channel
- Shoaling Area
- Placement Area
- Anchorage Area
- Wreck Area
- Submerged Wreck
- Angle Point
- Beacon, General
- Obstruction Point
- Navigation Buoy
- Navigation Buoy
- Shoalest Sounding*

Contours

- -15
- -14
- -13
- -12
- -11

NOTES:
HORIZONTAL COORDINATE SYSTEM:
NORTH AMERICAN DATUM OF 1983 (NAD83), PROJECTED TO THE STATE PLANE COORDINATE SYSTEM (SPCS), CALIFORNIA ZONE II. DISTANCE UNITS IN U.S. SURVEY FEET.

VERTICAL DATUM:
SOUNDINGS ARE SHOWN IN FEET AND INDICATE DEPTHS BELOW MEAN LOWER LOW WATER.

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF A SURVEY CONDUCTED ON THE DATE INDICATED AND CAN ONLY BE CONSIDERED TO REPRESENT THE GENERAL CONDITION EXISTING AT THAT TIME.

PLANE GRID, BEARING AND COORDINATES ARE BASED ON THE STATE OF CALIFORNIA COORDINATE SYSTEM,
LAMBERT CONFORMAL PROJECTION, ZONE I NAD 83,
CALIFORNIA, AS DESCRIBED IN SPECIAL PUBLICATION NO. 235, PUBLISHED BY NATIONAL OCEAN SURVEY.
BASE MAPS ARE USDA NAIP 2010.

*SHOALEST SOUNDING PER QUARTER PER REACH

DRAWING NOT TO BE USED FOR NAVIGATION, ONLY CHANNEL CONDITION AT DATE OF SURVEY.
THE LOCATION OF ALL NAVIGATION AIDS ARE BASED ON
INFORMATION PROVIDED BY THE U.S. COAST GUARD. BUOY LOCATIONS REPRESENT THE POSITION OF THE SINKER ONLY.

SURVEYED BY GAHAGAN & BRYANT ASSOCIATES, INC.

SOUNDINGS ARE ACQUIRED BY FATHOMETER AND ARE SHOWN TO THE NEAREST TENTH OF A FOOT.
VERTICAL AND HORIZONTAL CONTROL: USC&GS DISK 'BM TIDAL 20 1959 RESET 1060', LOCATED NEAR THE NORTH EAST CORNER OF CITIZEN DOCK. ELEV. 13.46' MLLW. (1983-2001 EPOCH); N 2526793.45, E 5965753.79.

HORIZONTAL POSITIONING OBTAINED USING LEICA 120 RTK SYSTEM.

SOUNDINGS ARE BASED ON THE DATUM OF MEAN LOWER LOW WATER AT THE LOCALITY.

THE PROJECT DEPTHS ARE:
ENTRANCE CHANNEL @ -20 FEET - STA. 0+00 TO 22+32
INNER CHANNEL @ -15 FEET - STA 23+00 TO 42+00
MARINA ACCESS CHANNEL @ -15 FEET - STA 0+00 TO 11+00

US Army Corps of Engineers®
San Francisco District
450 Golden Gate Ave
San Francisco, CA 94102

Chart Date: Mar 04, 2019	Surveyed By:
Designed by:	Plotted By: PDT
Drawn by: PDT	Checked By: PDT

PREPARED UNDER THE DIRECTION OF
TRAVIS J. RAYFIELD
LT. COLONEL, C.E., DISTRICT ENGINEER

Submitted: Hydro Survey Team Leader
Recommended: Chief, Hydro Survey Section
Approved: Chief, Construction Branch

DEL NORTE COUNTY — CALIFORNIA

CRESCENT CITY
CONDITION SURVEY
19 FEBRUARY 2019

Sheet Reference Number
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