

NAD 83 CENTERLINE ANGLE POINTS HUMBOLDT BAY (BAR & ENTRANCE)

POINT	X	Y
C-1	5936273.49	2172157.43
C-2	5938147.59	2171508.43
C-3	5940265.09	2170773.43
C-4	5943553.39	2166602.43
C-5	5944727.49	2166468.93
C-6	5945239.99	2166903.39
C-7	5945752.59	2166117.73
C-8	5946464.00	2167008.39
C-9	5947166.09	2168359.43
C-10	5948049.99	2169917.43
C-11	5948433.99	2170455.43
C-12	5948233.79	2171119.43
C-13	5950417.39	2171891.43
C-14	5951329.29	2172548.43
C-15	5952138.39	2173530.43
C-16	5952999.89	2174706.43
C-17	5953718.89	2180041.43
C-18	5956236.79	2183159.43
C-19	5957823.09	2186979.43
C-20	5958152.59	2187513.43
C-21	5958681.79	2187878.43
C-22	5959281.79	2188078.43
C-23	5959581.79	2189078.43

NAD 83 CHANNEL ANGLE POINTS HUMBOLDT BAY (BAR & ENTRANCE)

POINT	X	Y
1	5936596.69	2173163.63
2	5938385.39	2172268.83
3	5940404.09	2171258.93
4	5943566.09	2166944.43
5	5944727.49	2166468.93
6	5945239.99	2166903.39
7	5945752.59	2166117.73
8	5946464.00	2167008.39
9	5947166.09	2168359.43
10	5948049.99	2169917.43
11	5948433.99	2170455.43
12	5948233.79	2171119.43
13	5950417.39	2171891.43
14	5951329.29	2172548.43
15	5952138.39	2173530.43
16	5952999.89	2174706.43
17	5953718.89	2180041.43
18	5956236.79	2183159.43
19	5957823.09	2186979.43
20	5958152.59	2187513.43
21	5958681.79	2187878.43
22	5959281.79	2188078.43
23	5959581.79	2189078.43
24	5959081.79	2187578.43
25	5958421.69	2187381.23
26	5958007.99	2186903.83
27	5957425.99	2185303.63
28	5956165.59	2181942.63
29	5956348.69	2181424.83
30	5955966.99	2180383.43
31	5955163.09	2174504.63
32	5952300.39	2173413.53
33	5951516.59	2172459.53
34	5950525.69	2171724.13
35	5949434.09	2170952.03
36	5948674.79	2170232.13
37	5948301.49	2169794.33
38	5947398.59	2169234.23
39	5946907.49	2168781.23
40	5946431.39	2168537.23
41	5945672.89	2168142.43
42	5945454.09	2167824.63
43	5945363.09	2167576.33
44	5945444.39	2167261.63
45	5945125.19	2172027.83
46	59457908.79	2185784.43
47	5935950.29	2171151.43

US Army Corps of Engineers
San Francisco District
1455 Market Street
San Francisco, CA 94103

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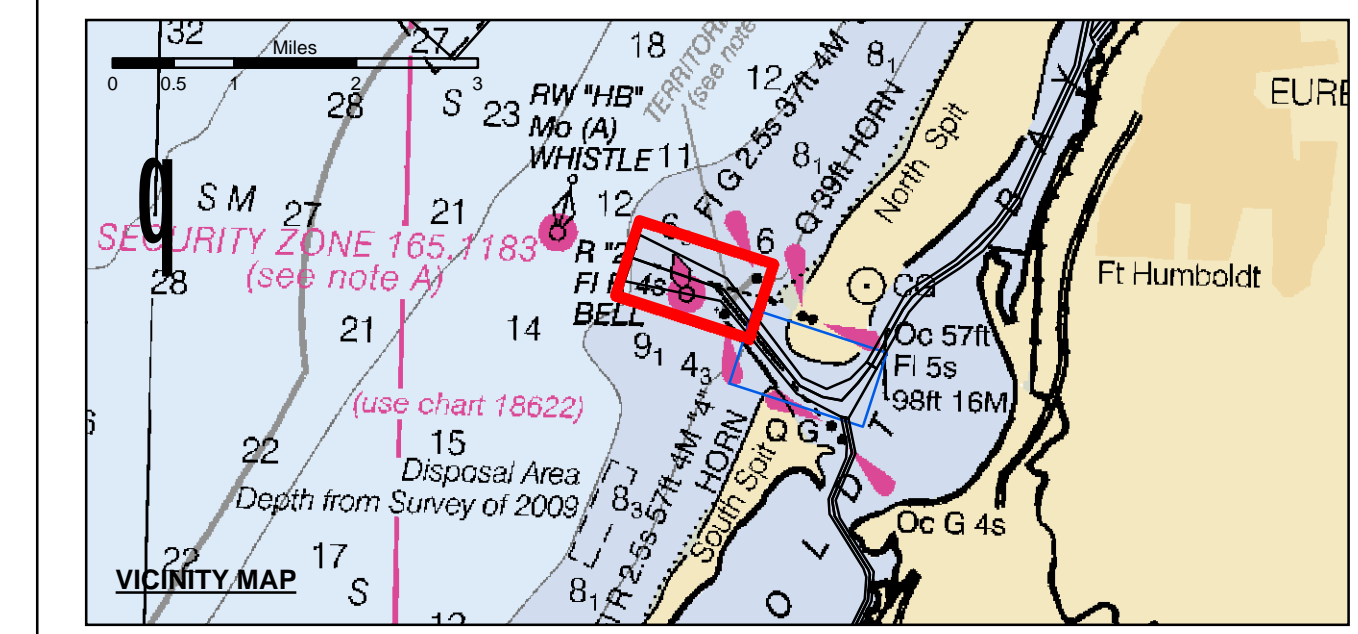
PREPARED UNDER THE DIRECTION OF
JOHN C. MORROW
LT COLONEL, C.E., DISTRICT ENGINEER
EUREKA CHANNEL, FIELDS LANDING CHANNEL & MILE 5.0 TO "N" STREET = 26 FEET

Surveyed By: [Blank]
Plotted By: PDT
Checked By: PDT

Chart Date: Jul 29, 2016
Designed by: PDT
Drawn by: PDT

CALIFORNIA
HUMBOLDT BAY
BAR & ENTRANCE CHANNEL
POSTDREDGE SURVEY
22 JULY 2016

Sheet Reference Number
1 of 2



- Federal Navigation Channel
- Shoaling Area
- Placement Area
- Anchorage Area
- Wreck Area
- Submerged Wreck
- Zone_I_Angle_Points
- Beacon, General
- Obstruction Point
- Navigation Buoy
- Navigation Buoy
- Shoalest Sounding*
- Contours
- 48
- 47
- 46
- 45
- 44

NOTES:
DRAWINGS NOT TO BE USED AS 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 LOCATION REPRESENT THE POSITION OF THE SINKER ONLY.

SOUNDINGS WERE TAKEN BY FATHOMETER AND ARE SHOWN TO THE NEAREST TENTHS OF A FOOT.

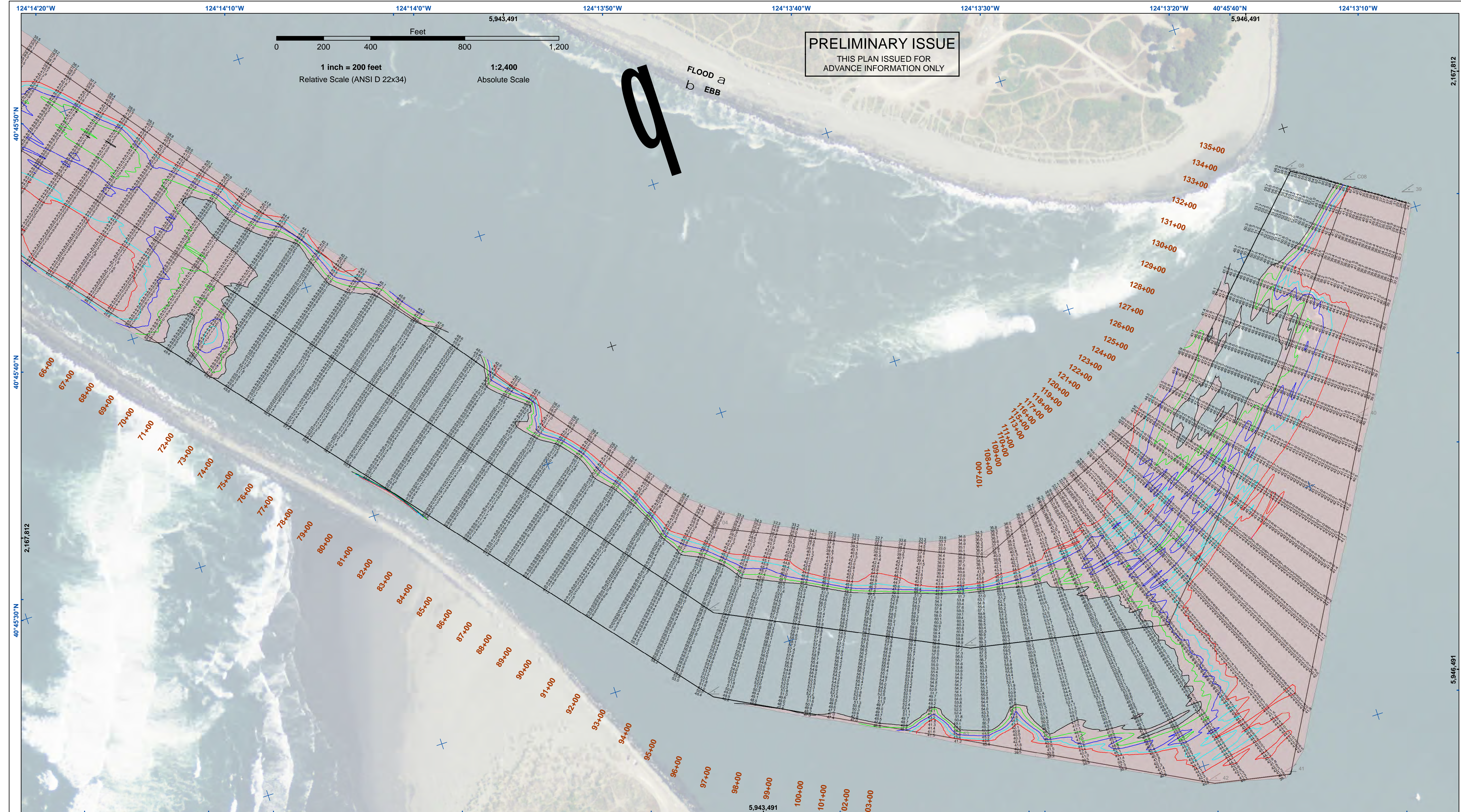
SOUNDINGS ARE BASED ON THE DATUM OF MEAN LOWER LOW WATER AT THE LOCALITY.

PLANE GRID 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 THE NATIONAL OCEAN SURVEY.

PROJECT DEPTHS ARE AS FOLLOWS:
BAR & ENTRANCE CHANNEL = 48 FEET
NORTH BAY, SAMOA TO MILE 5.0 = 38 FEET
EUREKA CHANNEL, FIELDS LANDING CHANNEL & MILE 5.0 TO "N" STREET = 26 FEET

1:00 INDICATES THE NUMBER AND BEGINNING OF A LINE OF SOUNDINGS.

SOUNDINGS ARE BASED ON TIDE GAUGES REFERENCED TO U.S.C. & G.S. BENCH MARKS AS FOLLOWS:
EUREKA & SOMMA CHANNELS - B.M. NO. 4 (1906) ELEV. 33.81' M.L.L.W.
ENTRANCE & NORTH BAY CHANNELS - B.M. NO. 9 (1937) ELEV. 16.35' M.L.L.W.
FIELDS LANDING CHANNEL - B.M. NO. 5 (1925) ELEV. 8.52' M.L.L.W.



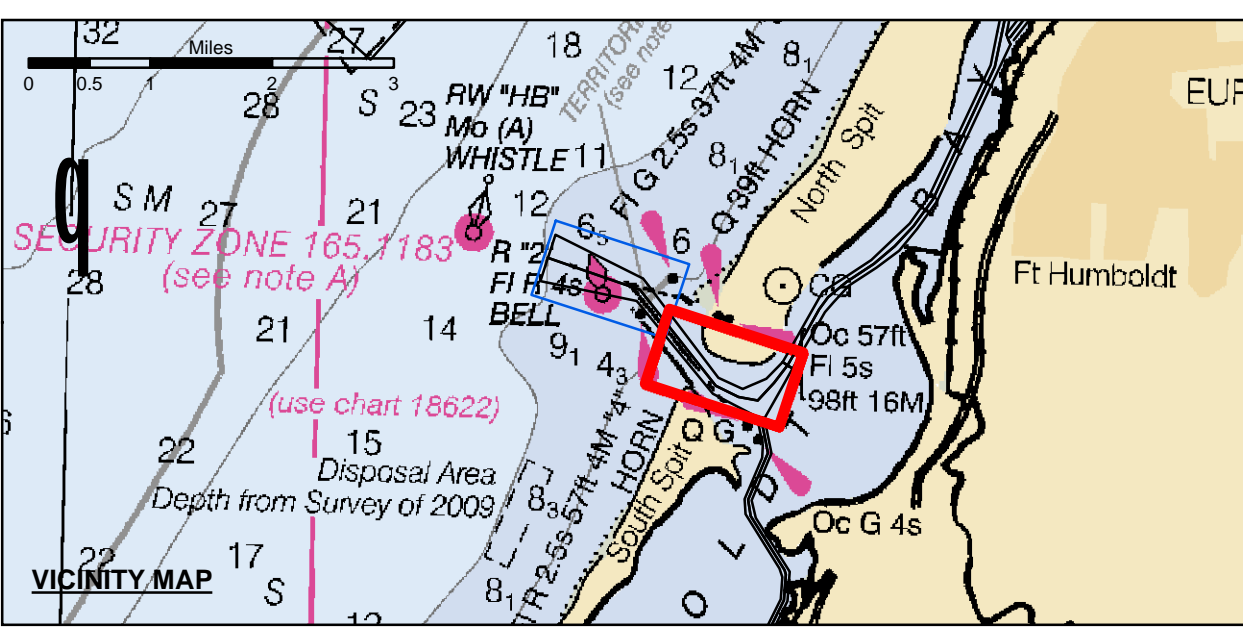
PRELIMINARY ISSUE
THIS PLAN ISSUED FOR
ADVANCE INFORMATION ONLY

0 200 400 800 1,200
Feet
1 inch = 200 feet
Relative Scale (ANSI D 22x34)
1:2,400
Absolute Scale

US Army Corps of Engineers
San Francisco District
1455 Market Street
San Francisco, CA 94103

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Prepared Under the Direction of	JOHN C. MORROW	Chart Date	Jul 29, 2016
LT Colonel, C.E., District Engineer		Surveyed By	PDT
Statement	Hydro Survey Team Leader	Plotted By	PDT
Recommendation	Chief, Hydro Survey Section	Checked By	PDT
Approval	Chief, Construction Branch	Drawn by	PDT



- | | | |
|----------------------------|--------------------|-----------------|
| Federal Navigation Channel | Beacon, General | Contours |
| Shoaling Area | Obstruction Point | -48 |
| Placement Area | Navigation Buoy | -47 |
| Anchorage Area | Navigation Buoy | -46 |
| Wreck Area | Shoalest Sounding* | -45 |
| Submerged Wreck | | -44 |
| Zone_I_Angle_Points | | |

NOTES:
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SURVEYED BY THE CORPS OF ENGINEERS.
SOUNDINGS WERE TAKEN BY FATHOMETER AND ARE SHOWN TO THE NEAREST TENTHS OF A FOOT.
SOUNDINGS ARE BASED ON THE DATUM OF MEAN LOWER LOW WATER AT THE LOCALITY.
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NORTH BAY, SAMOIA TO MILE 5.0 & = 38 FEET
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CALIFORNIA
HUMBOLDT COUNTY
HUMBOLDT BAY
BAR & ENTRANCE CHANNEL
POSTDRUDGE SURVEY
22 JULY 2016

Sheet Number
2 of 2