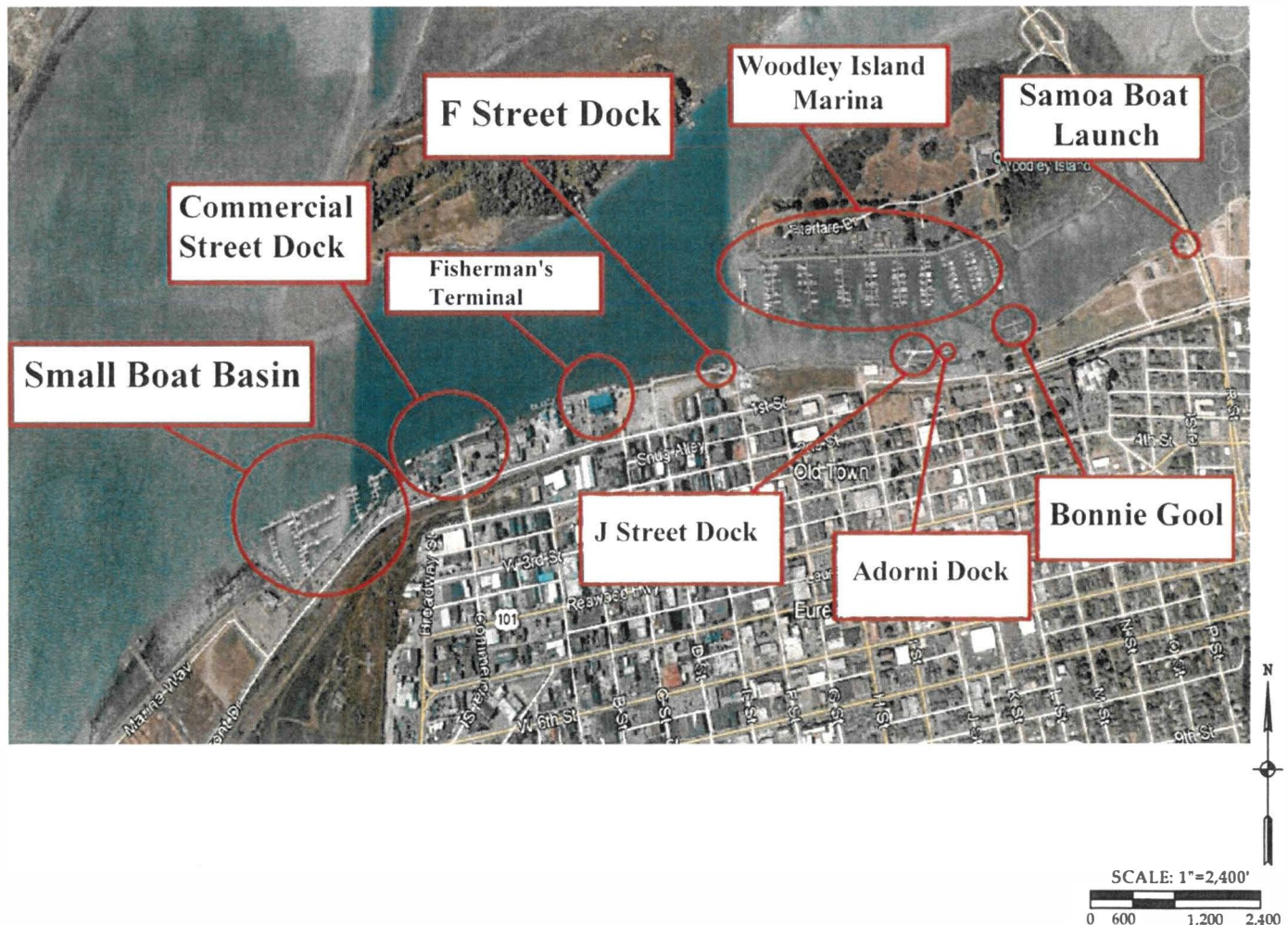
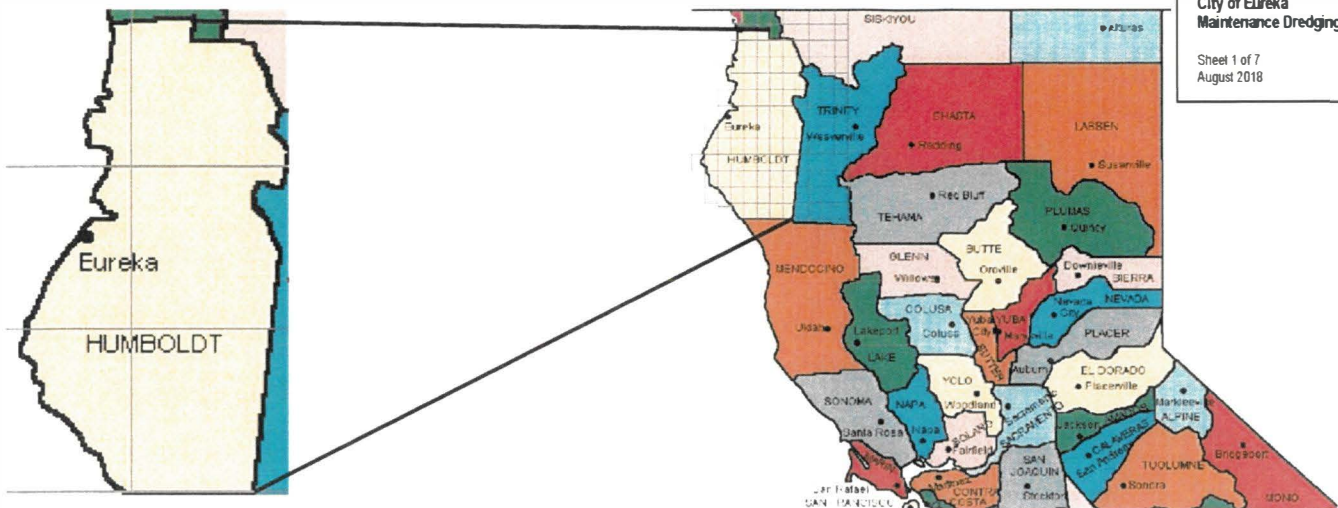


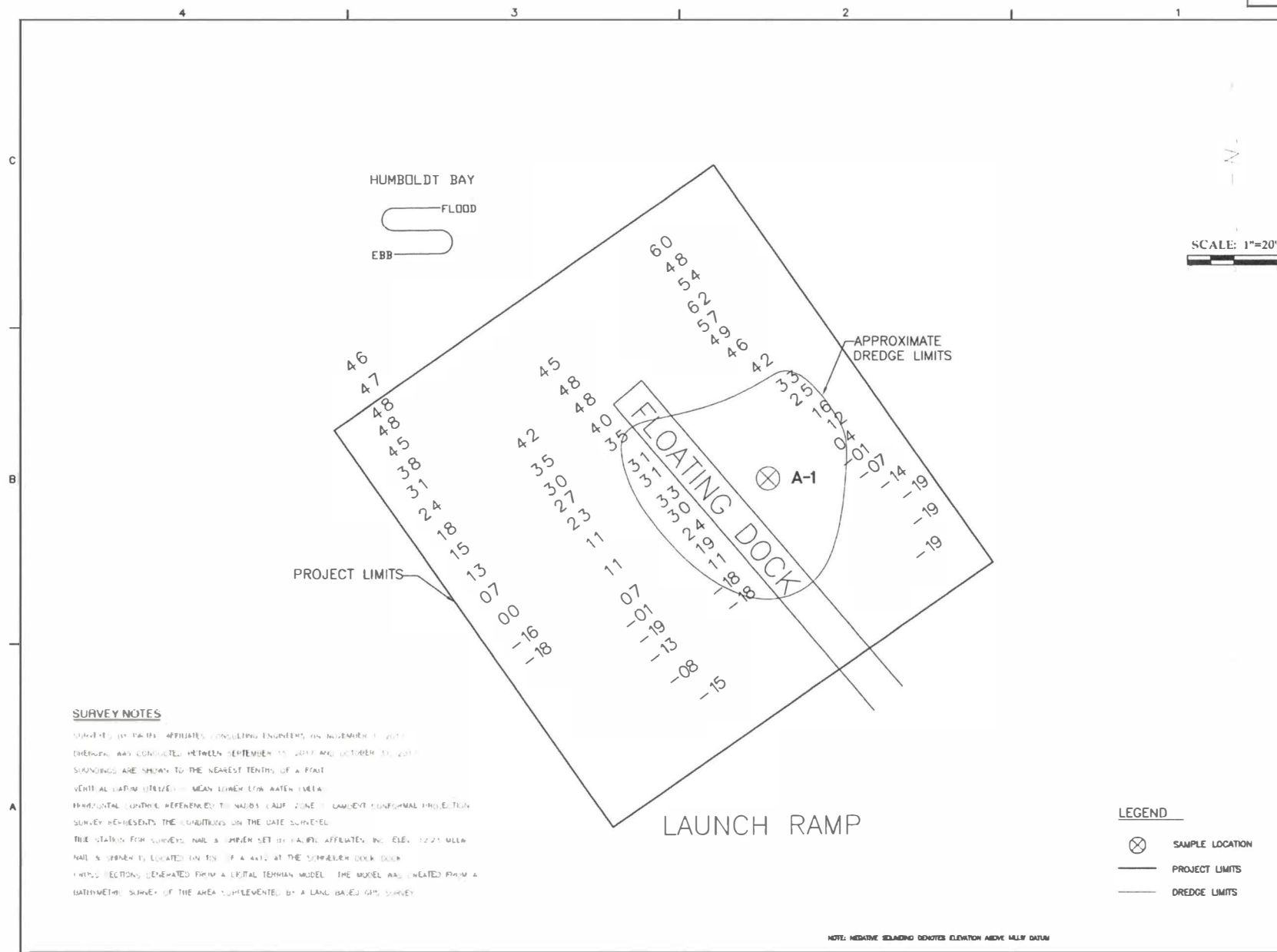


**Humboldt Bay
Eureka, CA**

**City of Eureka
Maintenance Dredging
- Vicinity Map -**



**PACIFIC AFFILIATES
CONSULTING ENGINEERS**
990 W. WATERFRONT DRIVE, EUREKA, CA 95501
TEL (707) 445-3001 FAX (707) 445-3003



REVISIONS	BY



PACIFIC AFFILIATES
CONSULTING ENGINEERS
1701 Waterfront Drive
Eureka, CA 95501-1701

Conditional
Bathymetric Survey

SAMOA BOAT LAUNCH
1701 Waterfront Drive
EUREKA, CA 95501-

Date:
7-23-18

Scale:
1"=20' U.O.N.

Drawn by:
AZ

SHEET
C-1

HUMBOLDT BAY



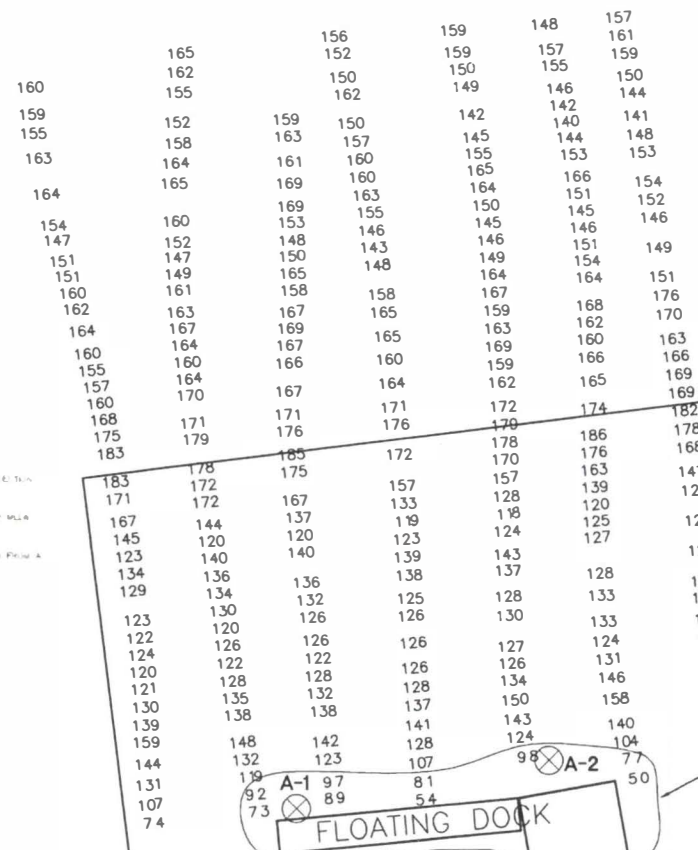
SCALE: 1"=30'

SURVEY NOTES

CONDOR, INC. AND AFFILIATES CONDUCTED SURVEYS ON NOVEMBER 1, 2017. SURVEYS WERE CONDUCTED BETWEEN SEPTEMBER 15, 2017 AND SEPTEMBER 21, 2017. SOUNDINGS ARE GIVEN TO THE NEAREST TENTHS OF A FOOT. VERTICAL DATUM INTERPOLATED MEAN LOW WATER (MLW). HORIZONTAL DATUM REFERENCED TO NAD83. DATA ZONE 1. CONDOR, INC. AND AFFILIATES CONDUCTED SURVEYS UNDER THE SUPERVISION OF THE PROJECT SUPERVISOR. THE STATION FOR SURVEYS WAS A STATION SET ON CONDOR AFFILIATES, INC. SURVEY 122215. SURVEYS WERE CONDUCTED IN THE PRESENCE OF A WIND AT THE SURVEY LOCATION. SURVEYS WERE CONDUCTED FROM A SURVEY VESSEL. THE MODEL WAS CREATED FROM A SURVEY OF THE AREA SURVEYED BY A LONG RANGE GPS SURVEY.

LEGEND

- ⊗ SAMPLE LOCATION
- PROJECT LIMITS
- DREDGE LIMITS



PROJECT LIMITS

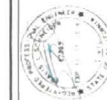
APPROXIMATE DREDGING LIMITS

'F' ST. PLAZA

BOARDWALK

'F' STREET
PLAZA DRAIN

REVISIONS	BY



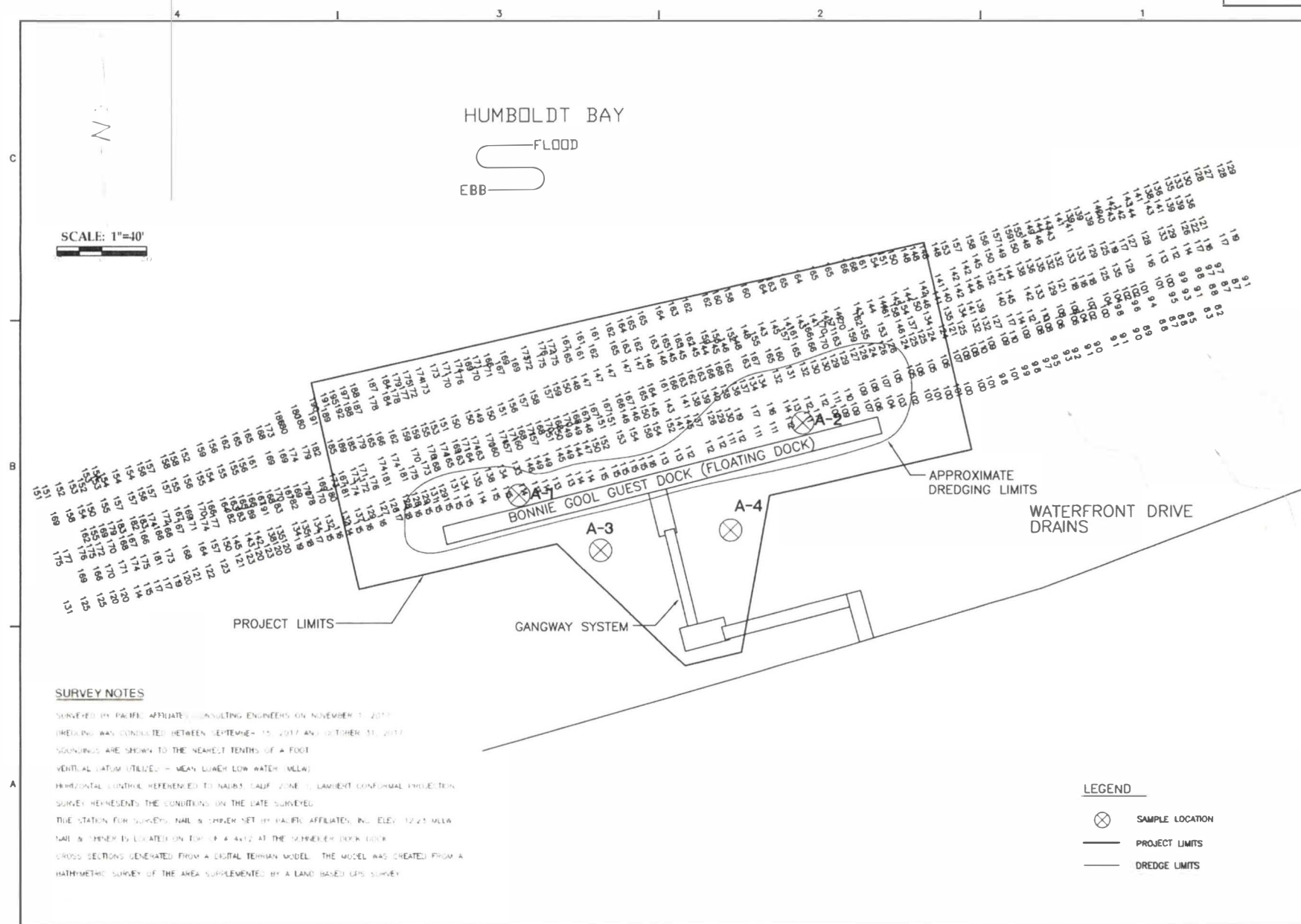
PACIFIC AFFILIATES
INCORPORATED
1000 10TH STREET, SUITE 100
EUREKA, CA 95501
TEL: 707/441-1111
FAX: 707/441-1112

Conditional
Bathymetric Survey
THE U.S. ARMY CORPS OF ENGINEERS AND THE U.S. NAVY HAVE REVIEWED THIS SURVEY FOR TECHNICAL ACCURACY AND COMPLIANCE WITH THE NATIONAL MAPS ACT OF 2002.

F STREET DOCK
1 F Street
Eureka, CA 95501

Date: 7-24-18
Scale: 1"=30' U.O.N.
Drawn by: AZ

SHEET
C-2



SURVEY NOTES

SURVEYED BY PACIFIC AFFILIATES CONSULTING ENGINEERS ON NOVEMBER 1, 2017.
DREDGING WAS CONDUCTED BETWEEN SEPTEMBER 12, 2017 AND OCTOBER 31, 2017.
SOUNDINGS ARE SHOWN TO THE NEAREST TENTHS OF A FOOT.
VERTICAL DATUM UTILIZED - MEAN LOWER LOW WATER (MLLW).
HORIZONTAL CONTROL REFERENCED TO NAD83 (GAP ZONE 1) LAMBERT CONFORMAL PROJECTION.
SURVEY REPRESENTS THE CONDITIONS ON THE DATE SURVEYED.
TIDE STATION FOR SURVEY: NAU1 - SHIPER SET BY PACIFIC AFFILIATES, INC. ELEV: 12.23 MLLW.
NAU1 IS LOCATED ON TOP OF A 4x12 AT THE SHIPER DOCK DOOR.
CROSS SECTIONS GENERATED FROM A DIGITAL TERRAIN MODEL. THE MODEL WAS CREATED FROM A BATHYMETRIC SURVEY OF THE AREA SUPPLEMENTED BY A LAND-BASED GPS SURVEY.

LEGEND

-  SAMPLE LOCATION
-  PROJECT LIMITS
-  DREDGE LIMITS

REVISIONS	BY



Conditional
Bathymetric Survey

THIS IS A CONDITIONAL BATHYMETRIC SURVEY. IT IS NOT TO BE USED FOR ANY OTHER PURPOSES WITHOUT THE WRITTEN CONSENT OF PACIFIC AFFILIATES.

BONNIE GOOL DOCK
1011 Waterfront Dr. & L
St. - Eureka, CA 95501

Date: 7-23-18
Scale: 1"=40' U.O.N.
Drawn by: AZ

SHEET
C-3

HUMBOLDT BAY

SCALE: 1"=30'

PROJECT LIMITS

APPROXIMATE DREDGE LIMITS

FIXED DOCK

GANGWAY

J STREET DOCK

LEGEND

-  SAMPLE LOCATION
-  PROJECT LIMITS
-  DREDGE LIMITS

SURVEY NOTES

SURVEYED BY PACIFIC AFFILIATES CONSULTING ENGINEERS, INC. NOVEMBER 1, 2017
DREDGING WAS CONDUCTED BETWEEN SEPTEMBER 15, 2017 AND OCTOBER 11, 2017
SOUNDINGS ARE SHOWN TO THE NEAREST TENTH OF A FOOT
VERTICAL DATUM UTILIZED - MEAN LOWER LOW WATER (MLLW)
HORIZONTAL CONTROL REFERENCED TO NAD83 (GAP) ZONE - LAMBERT CONFORMAL PROJECTION
SURVEY REPRESENTS THE CONDITIONS ON THE DATE SURVEYED
TIDE STATION FOR SURVEYS: NAU & SHIPEN SET BY PACIFIC AFFILIATES, INC. ELEV. 12.21 MLLW
NAU & SHIPEN IS LOCATED ON TOP OF A 4412 AT THE SOMMEREN DOCK DOCK
CROSS SECTIONS GENERATED FROM A DIGITAL TERRAIN MODEL. THE MODEL WAS CREATED FROM A
BATHYMETRIC SURVEY OF THE AREA SUPPLEMENTED BY A LAND BASED GPS SURVEY

N044123.09
E1401954.03

REVISIONS	BY

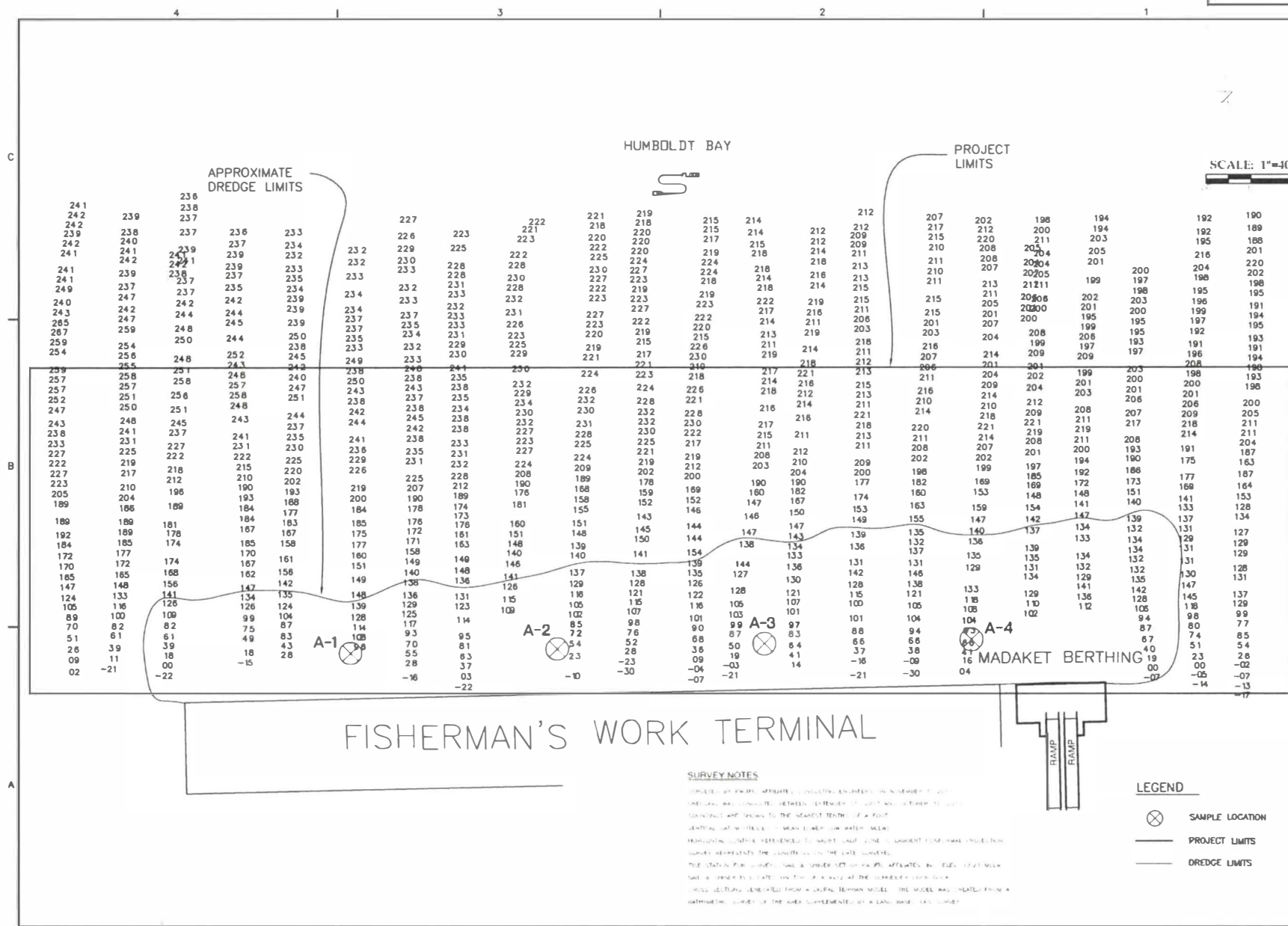


Conditional
Bathymetric Survey
THE U.S. ARMY CORPS OF ENGINEERS
U.S. ARMY CORPS OF ENGINEERS
U.S. ARMY CORPS OF ENGINEERS

J STREET DOCK
921 Waterfront Dr. & J St.
- Eureka, CA 95501 -

Date: 7-23-18
Scale: 1"=30' U.O.N.
Drawn by: AZ

SHEET
C-4



REVISIONS	BY



PACIFIC AFFILIATES
INCORPORATED
1000 J STREET, SUITE 100
EUREKA, CA 95501
TEL: 707/441-1111
FAX: 707/441-1112
WWW.PACIFICAFFILIATES.COM



Conditional
Bathymetric Survey
THIS SURVEY WAS CONDUCTED BY
PACIFIC AFFILIATES, INC.
ON BEHALF OF THE CITY OF EUREKA
ON 08/01/2018

FISHERMAN'S
TERMINAL
1 C Street
Eureka, CA 95501

Date:
7-23-18
Scale:
1"=40' U.O.N.
Drawn by:
AZ

SHEET
C-5

