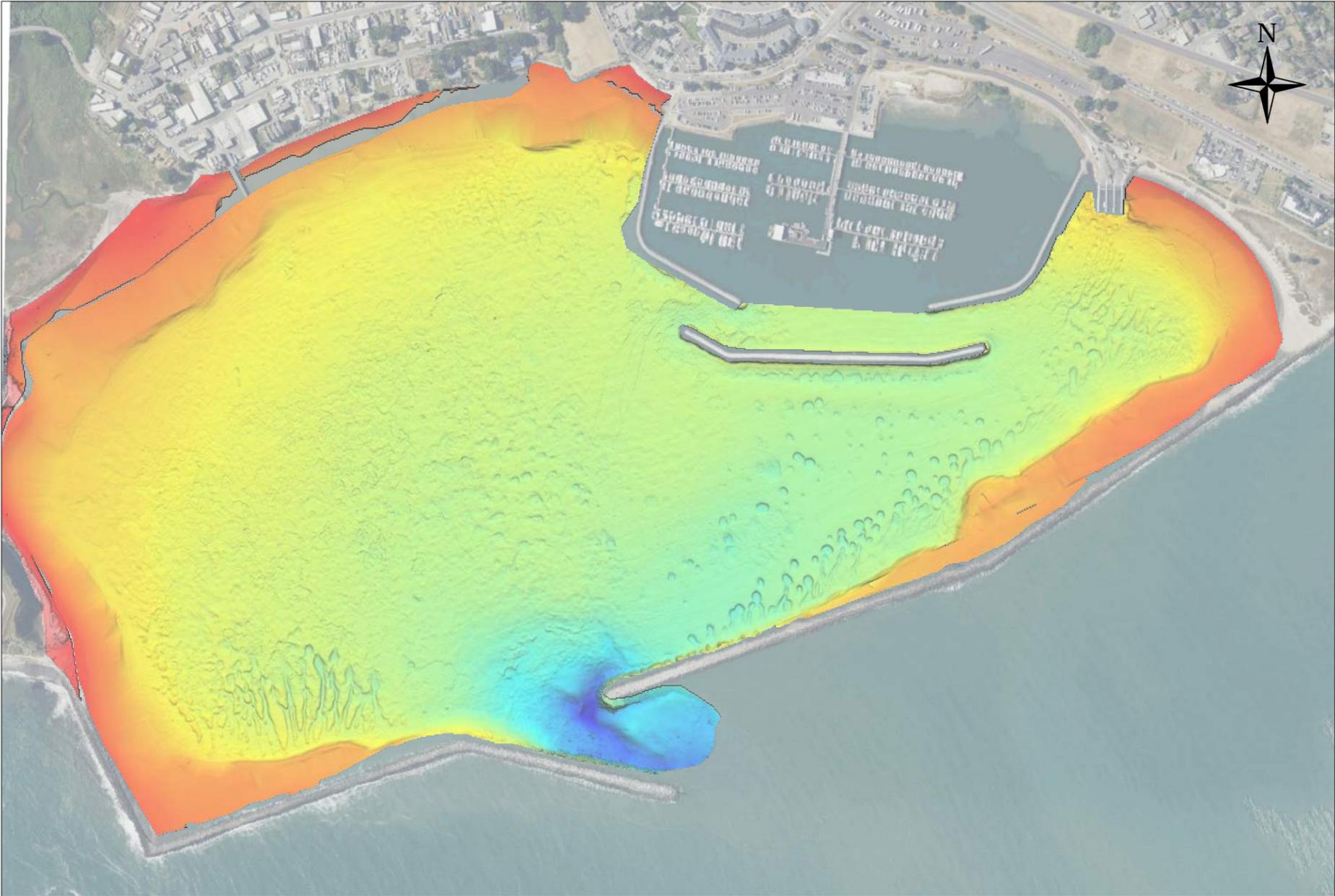


# **APPENDIX C – PRE-CONSTRUCTION SURVEY DATA**

# PILLAR POINT HARBOR ENVIRONMENTAL SCIENCE ASSOCIATES (ESA) HYDROGRAPHIC SURVEY

Overview



not to scale

**SHEET INDEX:**

- SHEET 1 - PROJECT INFORMATION
- SHEET 2-4 - SOUNDINGS
- SHEET 5 - COLORED DEM
- SHEET 6 - 2006 VS 2019 DIFFERENCE

**GENERAL NOTES:**

1. MULTIBEAM DATA COLLECTED ON DECEMBER 05 & 06, 2019
2. TOPOGRAPHIC DATA COLLECTED ON JANUARY 21ST, 2020
3. HORIZONTAL DATUM/PROJECTION: NAD83 (2011), SPCS CALIFORNIA ZONE 03 - U.S. SURVEY FEET
4. HORIZONTAL CONTROL: NGS HT0455 TIDAL 5, N 37° 30' 13.27003" W 122° 29' 07.73809"
5. VERTICAL DATUM: NAVD88, U.S. SURVEY FEET
6. VERTICAL CONTROL: NGS HT0455 TIDAL 5, ELEVATION 14.22'
7. THIS SURVEY REPRESENTS GENERAL CONDITIONS AT THE TIME OF THE SURVEY.
8. POSITIONING AND MOTION DATA WAS COLLECTED USING AN APPLANIX POS MV V5.
9. SOUNDINGS WERE COLLECTED USING AN R2SONIC 2020 OPERATING AT 400 KHZ.
10. SOUNDINGS DEPTH NEGATIVE UNLESS INDICATED OTHERWISE
11. FINAL SURFACE IS A MERGE OF ETRAC DATA, SOUNDINGS FROM MARINE TAXONOMIC SIDESCAN DATA AND THE USGS LIDAR AND HYDROGRAPHIC DATA

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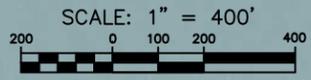
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DESIGNED BY: GCC	CHECKED BY: JAK
REVISION # _____	_____
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PILLAR POINT HARBOR ESA HYDROGRAPHIC SURVEY <hr/> PROJECT INFORMATION
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Reference Number:  <h1 style="text-align: center;">S1</h1>
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- eTrac GPS Topo Data
- Marine Taxonomic Side Scan Data
- USGS Hydrographic & LIDAR Data



IF SHEET IS LESS THAN 11"X17"  
IT IS A REDUCED PRINT,  
SCALE ACCORDINGLY



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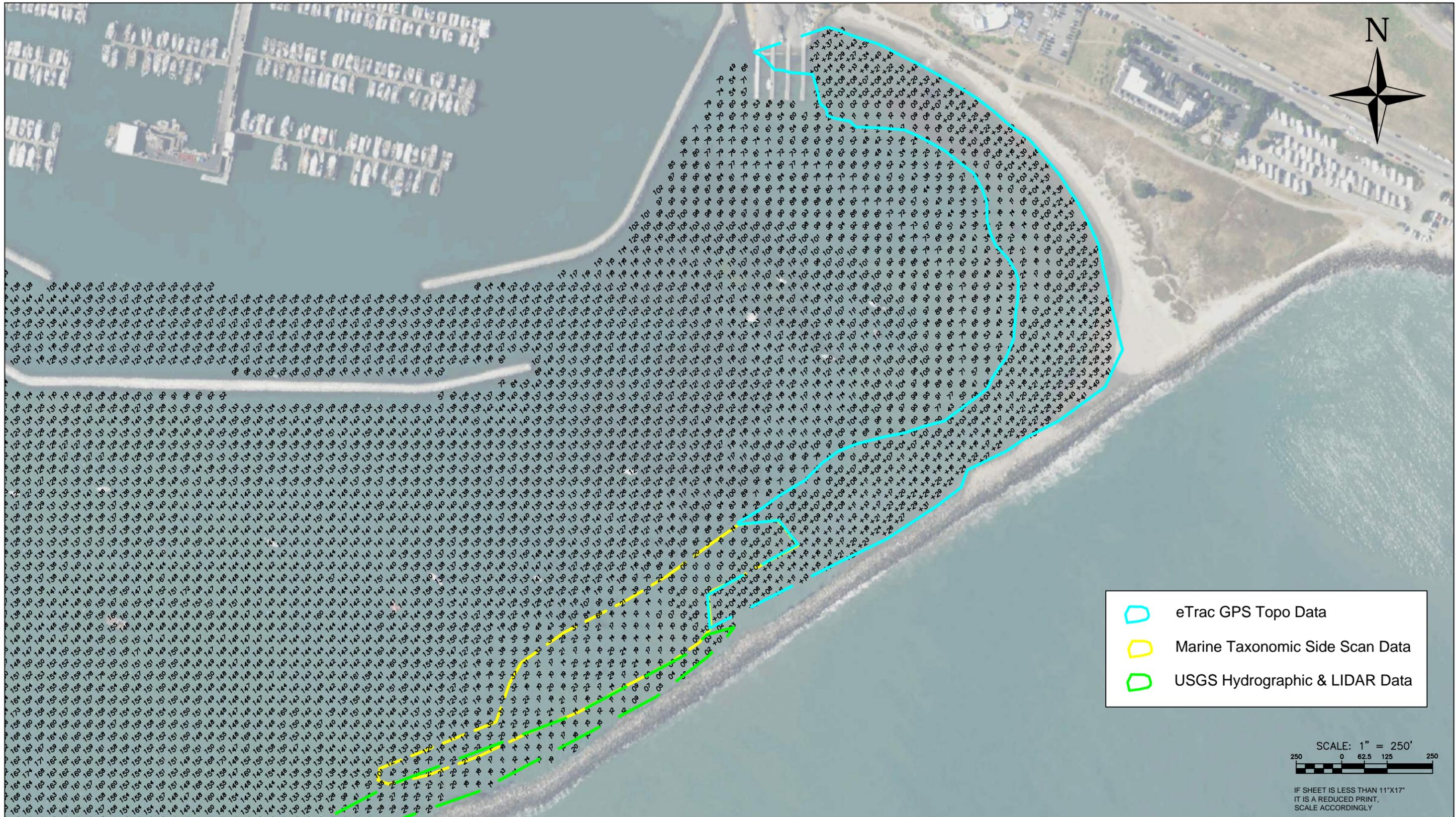
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REVISION # _____	_____
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**PILLAR POINT HARBOR**  
**ESA**  
**HYDROGRAPHIC SURVEY**

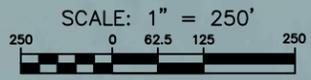
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**SOUNDINGS**

Reference  
Number:  
**S2**



-  eTrac GPS Topo Data
-  Marine Taxonomic Side Scan Data
-  USGS Hydrographic & LIDAR Data



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FILE NAME: ESA_191206_191205_PillarPoint_REV4.dwg	

PILLAR POINT HARBOR  
ESA  
HYDROGRAPHIC SURVEY  
SOUNDINGS

Reference  
Number:  
**S3**



-  eTrac GPS Topo Data
-  Marine Taxonomic Side Scan Data
-  USGS Hydrographic & LIDAR Data



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REVISION # _____	_____
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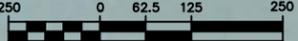
**PILLAR POINT HARBOR**  
**ESA**  
**HYDROGRAPHIC SURVEY**

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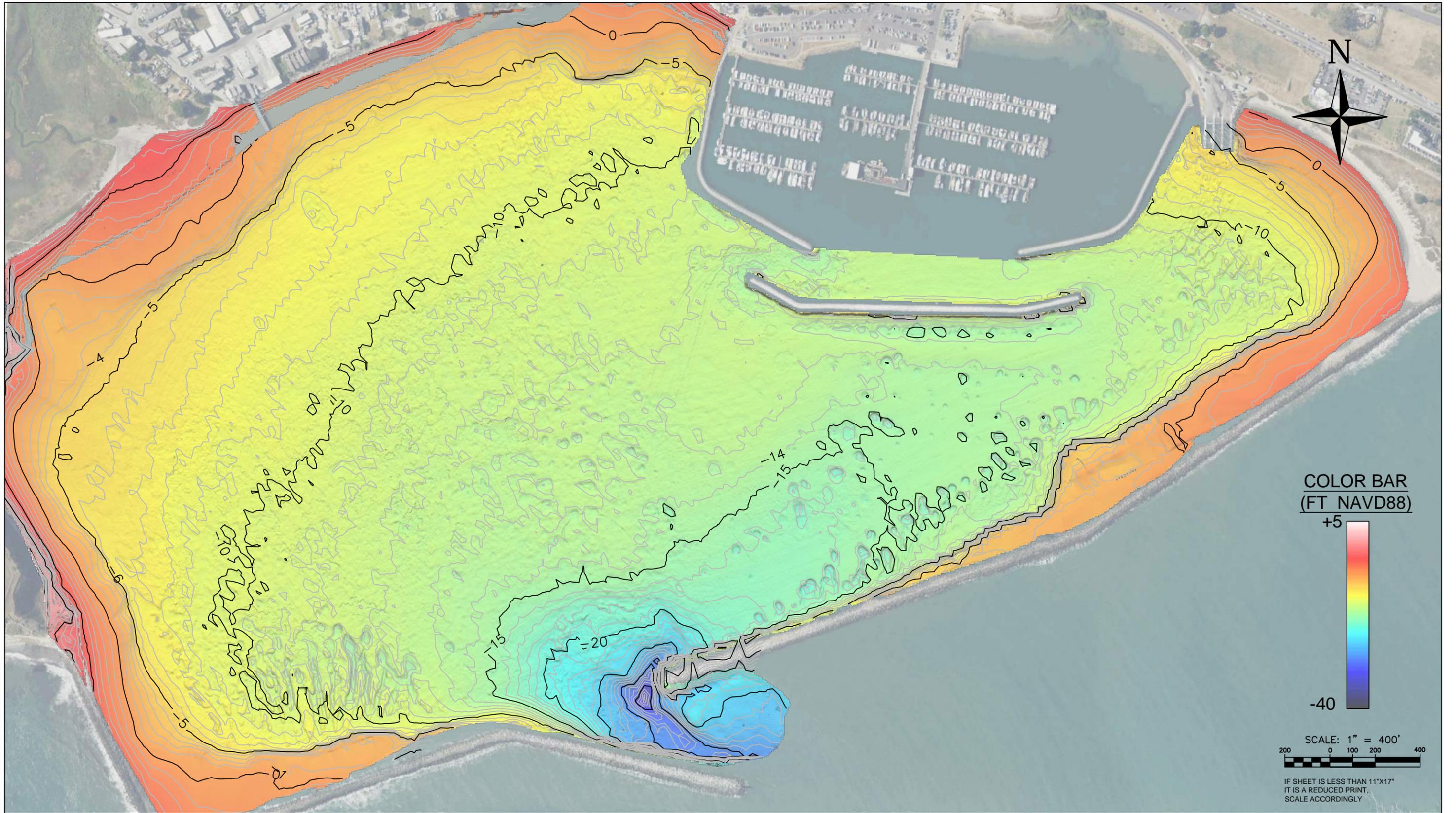
**SOUNDINGS**

Reference  
Number:  
**S4**

SCALE: 1" = 250'



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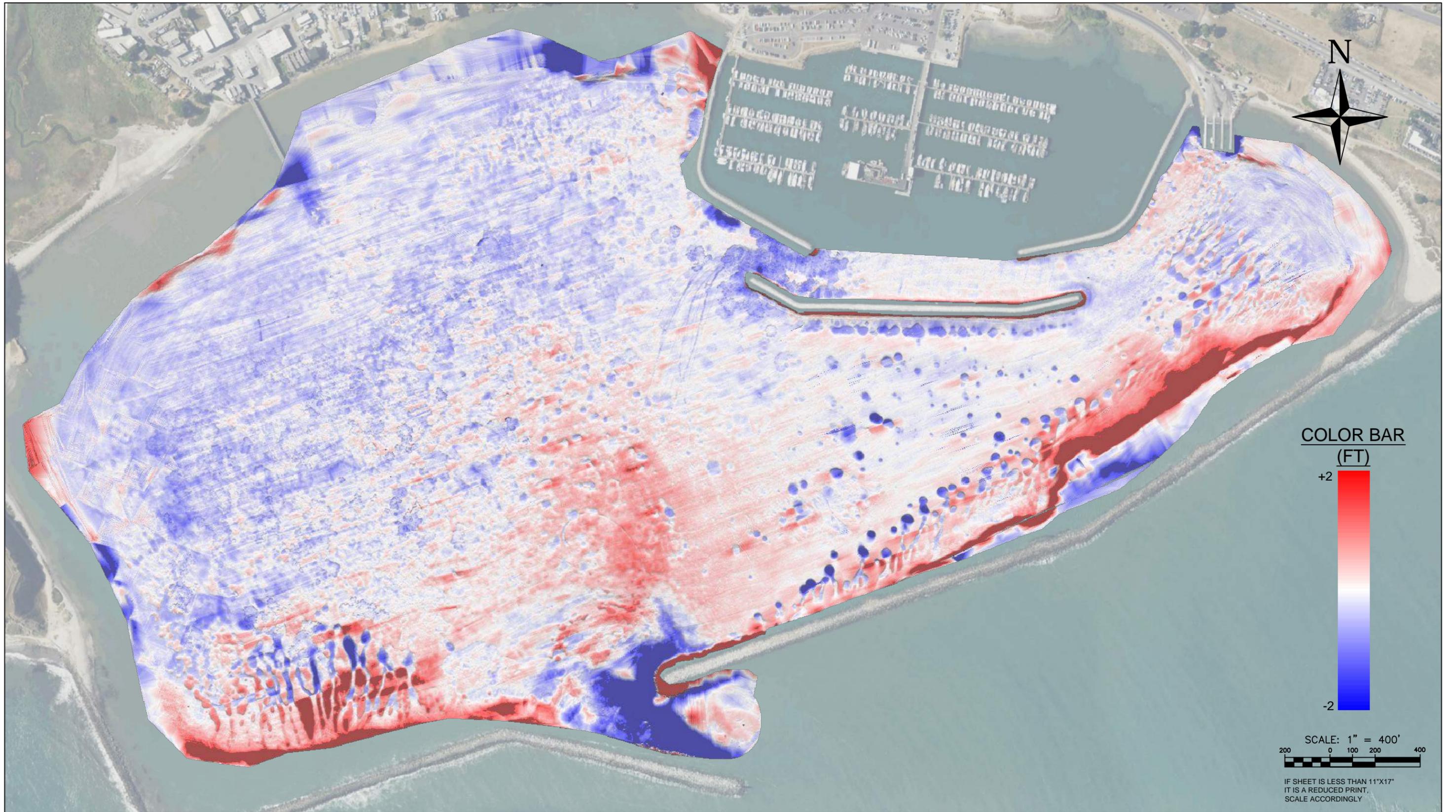
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SURVEY DATE: December 05 & 06, 2019	PLOT DATE: May 13, 2020
DESIGNED BY: GCC	CHECKED BY: JAK
REVISION #	
FILE NAME: ESA_191206_191205_PillarPoint_REV4.dwg	

PILLAR POINT HARBOR  
ESA  
HYDROGRAPHIC SURVEY  
COLORED DEM

Reference  
Number:  
**S5**



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SURVEY DATE: December 05 & 06, 2019	PLOT DATE: May 13, 2020
DESIGNED BY: GCC	CHECKED BY: JAK
REVISION #	
FILE NAME: ESA_191206_191205_PillarPoint_REV4.dwg	

PILLAR POINT HARBOR  
ESA  
HYDROGRAPHIC SURVEY  
2006 VS 2019 DIFFERENCE

Reference  
Number:  
**S6**