

6490

6490

Form 504  
Ed. June, 1928

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY  
R. S. Patton, Director

State: CALIFORNIA

DESCRIPTIVE REPORT  
Topographic } Sheet No. c T6490  
~~Hydrographic~~

LOCALITY

San Clemente Island

Wilson Cove

1936

CHIEF OF PARTY

H. B. Campbell,

U. S. COAST & GEODETIC SURVEY  
LIBRARY AND ARCHIVES  
SEP 16 1936  
Acc. No.

Applied to Chart 5111 (Wilson Cove Plan).

Apr. 17, 1937 g.H.S.

Applied to Chart 5111 - Apr. 1938 D.H.S.

Insert of Wilson Cove covered by this sheet transferred to Chart 5118  
Sept. 1939 H.E.M.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

## TOPOGRAPHIC TITLE SHEET

T6490

REG. NO.

U. S. COAST & GEODETIC SURVEY  
LIBRARY AND ARCHIVES

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

SEP. 16 1936

Field Letter CREGISTER NO. **6490**State CaliforniaGeneral locality San Clemente IslandLocality Wilson CoveScale 1:5,000 Date of survey June-September, 19 36Vessel U.S.C. & G.S.S. PIONEERChief of Party H. B. CampbellSurveyed by G. A. NelsonInked by G. A. NelsonHeights in feet above MHW to ground ~~to base of rock~~Contour ~~Approximate contour interval 100 feet~~ 50 feetInstructions dated March 9, 1936, 19

Remarks:

DESCRIPTIVE REPORT  
TO ACCOMPANY TOPOGRAPHIC SHEET "C"  
WILSON COVE, SAN CLEMENTE ISLAND,  
CALIFORNIA.

Season of 1936

U.S.C. & G.S.S. PIONEER,  
H. B. Campbell, Cmdg.

AUTHORITY

This survey was made under the Director's instruction dated March 9, 1936, Project No. H-187.

LOCALITY

This sheet covers Wilson Cove, San Clemente Island, California, and extends northward to include the east point of Northwest Harbor.

METHOD OF SURVEY

The plane table was used thruout. A traverse was run from Blair 1933 to Sand 1933 following along the shore, a distance of 4500 meters. It failed to close by 35 meters and was rerun. The closing error remained the same so the rods were examined. These were found to be in error three fourths of a meter in a hundred. Applying this correction to the traverse resulted in a closing error of three meters. This was adjusted.

The rods were assumed to be correct at the start as they had been furnished by the Washington Office for that instrument. Presumably the original diaphragm in the instrument had been replaced at some time in the field.

Extensive improvements are being made in the vicinity of Wilson Cove. This survey shows all prominent structures completed or under construction at this date: September 1, 1936. Other structures constructed from time to time may be charted from data furnished by the Bureau of Yards and Docks, U. S. N. The grid system used by them has been referenced by several points on the sheet. The following data has been furnished by them.

USC&GS Δ Blair	S-21679.05	E-21612.04
do Δ Harbor	S-22176.36	E-18603.74
do ⊙ Two	S-20,000.00	E-20000.00
(60 m. S		
of Pier)		

All buildings and structures were located in the field. Those shown in ink are the permanent structures in place or in the process of construction.

*I should have been checked in field before using.*

Those shown in pencil are old buildings or those of a temporary nature all of which are marked for removal at an early date.

The area at the base of the large pier is marked for extensive improvement. A sea wall and seaplane hangers are to be constructed, but these are not yet started. The small pier east of the large pier is left in pencil as it is to be destroyed. The low water line has been indicated where it differs materially from the high water line.

#### ELEVATIONS

The horizontal control for obtaining elevations was carried by short traverses frequently checked by resection on the previously located beach signals. All elevations were obtained by trigonometric leveling and are believed reliable within two feet.

All ground elevations are referred to M. H. W. ✓

The contours determined by the local engineers were transferred to the sheet and checked in the field as shown on the sheet.

The datum plane used by them was M. L. L. W. In transferring a subtraction of 4.4 feet was made.

#### JUNCTION WITH OTHER SURVEYS

Satisfactory junction was made with Reg. No. T-4857 on the north (Knox 1933) and T-6087 (Knox 1933) on the south. On the west the contour junctions with T-6087 are indicated by dotted lines. In the area covered by the present sheet, contours are shown with greater detail and accuracy than on T 6087 and should supersede them.

#### GENERAL DESCRIPTION

The area covered by this sheet presents a barren appearance from seaward. The vegetation consists of cactus and short grasses. There are numerous rocky outcrops. The area to the north becomes sandy as Northwest harbor is approached. The sand dune located at approximately Latitude  $33^{\circ} 01' 00''$  Longitude  $118^{\circ} 34' 00''$  is unique in both appearance and position and should be given prominence in charting. Hydrographic signal Dune is the top of it.

#### OFFLYING DANGERS

33'-50"

25"

As shown and noted.

#### STATISTICS

Miles shore line 3.4.  
Area (Sq. St. Mi.) 1.5.

Respectfully submitted.

Approved and forwarded:

*H. B. Campbell*  
H. B. Campbell,  
Chief of Party.

*G. A. Nelson*  
G. A. Nelson,  
Jr. H. & G. Engr., C&GS  
Topographer.

DEPARTMENT OF COMMERCE  
U.S. COAST AND GEODETIC SURVEY

NOV 4 1936

Long Beach, Calif.

October 31 1938

The following determined objects are prominent, can be readily distinguished from seaward from the description given below, and should be charted:

H. B. Campbell

*Chief of Party.*

[illegible]

The description of each object should be short, but such as will clearly identify it; for example, a standpipe, elevated tank, gas tank, church spire, tall stack, red chimney, radio mast, etc. Assign numerals to landmarks to indicate: (1) Offshore, (2) inshore, (3) harbor, 1, 2, 3 would be a mark useful on all charts. Generally, flagstaffs and like objects are not sufficiently permanent to chart.

DEPARTMENT OF COMMERCE  
U.S. COAST AND GEODETIC SURVEY

## LANDMARKS FOR CHARTS

Long Beach, Calif.

**Oct. 30** \_\_\_\_\_, 1936

DIRECTOR, U.S. COAST AND GEODETIC SURVEY:

The following determined objects are prominent, can be readily distinguished from seaward from the description given below, and should be charted:

H. B. Campbell

*Chief of Party.*

[illegible]

A list of objects carefully selected because of their value as landmarks as determined from seaward, together with individual descriptions, must be furnished in a special report on this form, and a copy of such report must be attached by the Chief of Party to his descriptive report.

The selection, determination, and description of these points are an important factor in the value of the chart. Landmarks selected at appropriate intervals can be clearly charted. However, when none is outstanding, a group of two or three objects may by their interrelationship provide positive identification. A group so selected should be indicated.

The description of each object should be short, but such as will clearly identify it; for example, a standpipe, elevated tank, gas tank, church spire, tall stack, red chimney, radio mast, etc. Assign numerals to landmarks to indicate: (1) Offshore, (2) inshore, (3) harbor, 1, 2, 3 would be a mark useful on all charts. Generally, flagstuffs and like objects are not sufficiently permanent to chart.

## LANDMARKS FOR CHARTS

Long Beach, California

September 1, 1936 193

The following determined objects are prominent, can be readily distinguished from seaward from the description given below, and should be charted:

H. B. Campbell, *Chief of Party.*

[illegible]

The description of each object should be short, but such as will clearly identify it; for example, a standpipe, elevated tank, gas tank, church spire, tall stack, red chimney, radio mast, etc. Assign numerals to landmarks to indicate: (1) Offshore, (2) inshore, (3) harbor, 1, 2, 3 would be a mark useful on all charts. Generally, flagstuffs and like objects are not sufficiently permanent to chart.



Remarks

Decisions

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GEOGRAPHIC NAMES  
Survey No. **T6490**

GEOGRAPHIC NAMES											
Survey No. T6490											
Name on Survey											
	A	B	C	D	E	F	G	H	K		
San Clemente Island											1
Wilson Cove											2
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# MEMORANDUM

## IMMEDIATE ATTENTION

SURVEY  
DESCRIPTIVE REPORT  
~~PHOTOGRAPHIC~~

~~No. T~~

No. T 6490

received Sept. 15, 1936  
registered Nov. 11, 1936  
verified  
reviewed  
approved

This is forwarded in order that your attention may be directed to the matters as indicated below. Please initial in column 3 as an acknowledgement that your attention has been thus directed. The complete original records are available if desired. If you cannot give this your immediate attention, please initial, note, and forward to the next section marked, calling for the records at your convenience.

ROUTE		Initial	Attention called to
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RETURN TO

82	C. K. Green ✓
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REVIEW OF TOPOGRAPHIC SURVEY No. *6490 Field Letter "C."*Title (Par. 56) *Wilson Cove, San Clemente Island, California*Chief of Party *H.B. Campbell* Surveyed by *G.A. Nelson* Inked by *G.A. Nelson*Ship *Pioneer* Instructions dated *Mar. 9, 1936* Surveyed in *June-Sept. 1936*

1. The survey and preparation for it conform to the requirements of the Topographic Manual. (Par. 7, 8, 9, 13, 16.) ✓
2. The character and scope of the survey satisfy the instructions. ✓
3. The control and closures of traverses were adequate. (Par. 12, 29.) ✓
4. The amount of vertical control that the Manual specifies for -contours-~~formlines~~ was accomplished. (Par. 18, 19, 20, 21, 22, 23.) ✓
5. The delineation of -contours-~~formlines~~ is satisfactory. (Par. 49, 50.) ✓
6. There is sufficient control on maps from other sources that were transmitted by the field party to enable their application to the charts. (Par. 28.) *See Desc. Report page 1 relative to coordinates of Grid system. B.P. 29921-2-3.* ✓
7. High water line on marshy and mangrove coast is clear and adequate for chart compilation. (Par. 16a, 43, 44.) ✓
8. The representation of low water lines, reefs, coral reefs and rocks, and legends pertaining to them is satisfactory. (Par. 36, 37, 38, 39, 40, 41.) ✓
9. Rocks and other important details shown on previous surveys and on the chart were verified. (Par. 25, 26, 27.) ✓
10. The span, draw and clearance of bridges are shown. (Par. 16c.)  
*No bridges are shown on this sheet.*
11. Locations and elevations of summits are given. (Par. 19, 51.) ✓
12. The tree line was shown on mountains. (Par. 16g.)  
*There are no trees in this area. Desc. Rep. page 2.*

NOTE: Strike out paragraphs, words or phrases not applicable and modify those requiring it. Paragraph numbers refer to those in the Topographic Manual. Use reverse side for extending remarks.

Compiler Note →



13. The descriptive report covers all details listed in the Manual, in so far as they apply to this survey. (Par. 64, 65, 66, 67.) ✓
14. The descriptive report also contains additional information required in ~~aero-topography~~ relative to type of photographs, method of compilation and type of ground control.
15. <sup>No</sup> ~~The~~ descriptions of recoverable stations and references to shore line were accomplished on Form 524. (Par. 29, 30, 57, 67 except scaling of DMs and DPs, 68.)
16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.) ✓
17. The magnetic meridian was shown and ~~declination~~ was checked. (Par. 17, 52.) *(but there is no evidence that the declination is)*
18. The geographic datum of the sheet is *North American* and the reference station is correctly noted. (Par. 34.) ✓
19. Junctions with contemporary surveys are adequate. ✓
20. Geographic names are shown on the sheet, ~~and are covered by the Descriptive report.~~ (Par. 64, 66k.) ✓
21. The quality of the drafting is good. (Par. 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42, 45, 46, 47, 48, 49, 50.) ✓
22. No additional surveying is recommended. ✓
23. The Chief of Party inspected and approved the sheet and the descriptive report. ~~after review by~~ ✓

24. Remarks: *Object to be charted - see O Dune under "General Description" - page 2, 'D.R.*

Reviewed in office by *R.J. Christman* Nov. 25, 1936

Examined and approved:

*C.H. Green*  
Chief, Section of Field Records

*L.O. Solbut*  
Chief, Division of Charts

*Fred L. Peacock*  
Chief, Section of Field Work

*Glunde*  
Chief, Division of Hyd. and Top.