

4136

Form 504

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

State: California

11-5813

DESCRIPTIVE REPORT.

Topo. 4136 Sheet No.

LOCALITY:

Santa Catalina I.

AVALON BAY
Dakin Cove

U.S.G.B.

+

Vicinity

1925

CHIEF OF PARTY:

T.J. Maher

4136

Geographic Positions,		Dawn Cove		Vicinity		Smith Carolina Island,		California		Approximately 71.0. Asterisk	
Name	Latitude	Longitude	Sound in Meters	Longitude	Sound in meters	Description of Symbol					
1. Flagstaff	33°	20'	991.2'	(917.3)	118°	19'	4008.4'	(1152.7)	Flagstaff in front of Wm. Wright's J.S. home.		
2. Tip	33°	20'	1124.9'	(653.6)	118°	19'	419.3'	(1132.1)			
3. Bat	33°	20'	1164.8'	(652.3)	118°	19'	516.3'	(1035.1)	Corner of Bath house		
4. Red Dome	33°	20'	1085.3'	(763.2)	118°	19'	502.5'	(1001.0)	House with red cupola		
5. Red Dome on D. Hill	33°	20'	1023.5'	(775.0)	118°	19'	732.3'	(812.2)	Red dome on Dance Pavilion		
6. Mast	33°	20'	1401.5'	(448.0)	118°	19'	586.7'	(647.7)	Mast on Yona Club		
7. Light House	33°	20'	1500.8'	(338.7)	118°	19'	939.2'	(612.2)			
8. Catholic Church, Steep	33°	20'	1322.2'	(458.3)	118°	19'	1132.5'	(418.2)			
9. House	33°	20'	1722.7'	(112.0)	118°	19'	998.3'	(531)	Lone house on Hill		
10. Dance Pavilion	33°	20'	1753.2'	(95.3)	118°	19'	826.5'	(744.9)			
11. Sugar loaf Rock	33°	20'	1738.0'	(110.5)	118°	19'	742.0'	(802.4)			
12. Bud	33°	20'	1065.0'	(723.5)	118°	18'	1464.8'	(96.7)			
13. Din	33°	20'	871.0'	(296.5)	118°	18'	1322.0'	(233.4)	Large rock on shore near edge of road		
14. Fun	33°	20'	402.0'	(1446.5)	118°	18'	998.5'	(522.0)			
15. Gin	33°	20'	167.3'	(1681.2)	118°	18'	897.5'	(654.0)			
16. Lam	33°	20'	77.5'	(771.0)	118°	18'	824.7'	(726.8)			
17. Roc	33°	20'	1143.3'	(705.2)	118°	19'	23.8'	(527.7)			
18. Hpe	33°	20'	1108.2'	(730.8)	118°	10'	66.5'	(1485.0)			

GEOGRAPHIC POSITIONS.			DAKIN COLE		F. MCINTYRE		(Cont'd)	
Name	Latitude	Seconds in meters.	Longitude	Seconds in meters	Description of symbol.			
19. B.S.	33° 20'	1094.0 ✓ (794.5)	118° 19'	102.3 ✓ (1449.2)				
20. Cus.	33° 20'	1053.7 ✓ (794.8)	118° 19'	142.3 ✓ (1409.2)				
21. Flagstaff St. Cath.	33° 21'	100.5 ✓ (1718.0)	118° 19'	112.9 ✓ (423.6)	Flagstaff on St. Catherine's Hotel.			
22. White Rock	33° 21'	303.5 ✓ (545.2)	118° 19'	101.0 ✓ (534.5)				
23. TOP	33° 21'	290.3 ✓ (558.2)	118° 19'	114.3.2 ✓ (408.3)				
24. Point	33° 21'	790.8 ✓ (1057.7)	118° 19'	126.0 ✓ (291.3)				
25. Tank N.E.	33° 20'	1519.2 ✓ (329.3)	118° 19'	1008.7 ✓ (544.8)				
26. Tank NW	33° 20'	1511.7 ✓ (336.8)	118° 19'	1029.8 ✓ (521.7)				
27. Tank S.E.	33° 20'	1508.0 ✓ (340.5)	118° 19'	1001.0 ✓ (518.7)				
28. Tank SW	33° 20'	1503.0 ✓ (345.5)	118° 19'	1024.3 ✓ (526.8)				

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

4136

TOPOGRAPHIC TITLE SHEET

The finished Topographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office.

U. S. Coast and Geodetic Survey.

Register No. 4136

State California

General locality . Santa Catalina Island

Locality ~~Dakin Cove~~ ^{AVALON BAY} and Vicinity

U. S. G. B

Chief of party . . T. J. Maher

Surveyed by . . . H. B. Brown

Date of survey . . May 1925

Scale 1:5000

Heights in feet above High Water

Contour interval .20 . . feet.

Inked by H. B. Brown . . Lettered by H. B. Brown

Records accompanying sheet (check those forwarded): Photographs,

Descriptive report, Horizontal angle books, Field computations,

Data from other sources affecting sheet

Remarks: Instructions dated Jan. 3, 1925

Countours inked in black; this work was practically completed before the officer inking it could be stopped.

4136a

4136a

Form 504	
DEPARTMENT OF COMMERCE	
U. S. COAST AND GEODETIC SURVEY	
_____, Director	
State: California	
DESCRIPTIVE REPORT	
Topographic Hydrographic	Sheet No. 4136a
LOCALITY	
Santa Catalina I.	
AVALON BAY	
Bakin Cove and Vicinity	
1928	
CHIEF OF PARTY	
F.G. Engle	

GOVERNMENT PRINTING OFFICE

DESCRIPTIVE REPORT

TO ACCOMPANY

TOPOGRAPHIC SHEET NO. 4136 - 1362 - - SCALE: 1:500

DAKIN COVE, SANTA CATALINA ISLAND, CALIFORNIA.

EXTENT: This sheet includes the shore-line on the east coast of Santa Catalina Island from about 1 mile south of Avalon to about 3/4 mile north and the contours for about 1/2 mile inland.

GENERAL DESCRIPTION: The shore-line is mostly rocky with occasional short stretches of sand beach. Back of the shore-line the ground rises rapidly and the hills are covered with grass and small trees.

Abalone Pt., is a rocky point 37 feet high on the south side of Dakin Cove. Sugar Loaf Rock is a high rock 72 feet high marking the north side of Dakin Cove. It is the only conspicuous landmark on the sheet.

Dakin Cove is a small bight 1/2 mile wide which indents the coast about 1/4 mile. The town of Avalon is located here. Steamers of the Wilmington Transportation Co., operate daily between here and Wilmington, Calif. The harbor is frequented by many small fishing boats and pleasure launches.

The Lighthouse in Dakin Cove is owned and operated by the local Yacht Club.

SURVEY METHODS: In checking the work on original sheet No. 4136 the contours were found to be in error. A new projection was made and a complete survey made. The recoverable topographic stations were either checked or relocated. The following topographic stations were found to be in error: Din, Bud, Lighthouse, St. Catherines Hotel F.S., and White Rock.

Four new signals were located for hydrography namely: White, Dot, Low and Blast.

The triangulation stations, Cactus, Ord2, New, Cong. Church, Stack, Short Mast and Low Pole were recovered and were used to control the work.

A traverse was run from a three point fix on the Wilmington Transportation Co., docks along the shore line to the northern limit of of the sheet. This traverse was later rerun, closing with an error of 2 meters. This traverse was also checked by a traverse run from Low Pole down the road to Hamilton Beach, closing with an error of 6 meters which was adjusted.

A traverse run from a 3 point fix on the Wilmington Transportation Co., dock along the shore to signal Light checked the former position of Light to 3-1/2 meters. This traverse was checked by a traverse run from Ord2 down the road to Light closing with an error of 5 meters. The adjustment of the two traverses gives the present location of Light.

The shoreline on original sheet 4136 was found to be in error near Hamilton Beach and south of Abalone Pt. The high road south of Avalon was also found to be in error.

The roads north and west of Avalon were located by a closed traverse running from "New" around the ridge known as "Sugar Loaf Spur" closing with an error of 3 meters.

At the beginning of the work the elevation of the four triangulation stations, Cactus, Ord2, New and Low Pole were determined by vertical angles from a 3 point fix on the Wilmington Transportation Co., dock. These elevations served to control later determinations of the height of instrument when 3 point fix was used to locate contours.

Elevations were obtained by vertical angles and rod readings. The position of the instrument was obtained either by 3 point fix or by traverse, the ends of traverse lines being closed by 3 point fix.

Respectfully submitted,

Joe C. Partington,
Jr. H. & G. Engineer,
Topographer.

Approved and forwarded:

F. G. Engle
F. G. Engle,
H. & G. Engineer,
Chief of Party.

PLANE TABLE POSITIONS

Object and description	Latitude ° ' "	D.M. meters	Longitude ° ' "	D.P. meters	Height feet	Remarks
Pinnacle	33 20	1136	118 18	1551	37	Smaller rock on Abalone Pt.
Blast	33 19	1789	118 18	782		Tall steel mast on high bluff
* Light	33 20	07	118 18	829	30	Gable of rock chute, Graham Bros. Co.
Dia	33 20	865	118 18	1336	15	Large rock, south of Abalone Point.
Low	33 20	902	118 18	1355	3	Low sharp rock, south of Abalone Pt.
Bnd	33 20	1063	118 18	1460	3	Square flat rock, south of Abalone Pt.
Ro	33 20	1139	118 19	22	37	Highest pt. on Abalone Point.
Bat	33 20	1168	118 19	515		Flagpole on s.e. corner bath house.
Flagstaff	33 20	930	118 19	397	369 (top)	Flagstaff, in front Mr. Wrigleys house.
* Red Dome	33 20	1085	118 19	548		Flagpole on red conical roof.
* Red Dome on Dance Pavilion	33 20	1074	118 19	730		red Flagpole on the conical roof Dance Pav.
Mast	33 20	1402	118 19	890		Flagpole s.e. corner Tuna Club Pier.
* Lighthouse	33 20	1507	118 19	941	58	Lighthouse on Yacht Club
* Sugar Leaf Rock	33 20	1230	118 19	742	72	Diaphane on Sugar Leaf Rock
White Rock	33 21	312	118 19	1031	3	Small rock close to shore, 130 m. north St. Catherine Hotel.

* St. Catherine Hotel Flagstaff	33	21	95	118	19	1128	✓
Catholic Church Steeple	33	20	1389	118	19	1131	Higher one of two crosses.
House	33	20	1731	118	19	995	South gable of small frame house.

* objects are prominent enough to
be of use to navigator
F. G. C.

STATISTICS FOR TOPOGRAPHIC SHEET No. 4136

Square miles covered	1.0
Statute miles of roads	12.4
Statute miles of shore line	2.5

DEPARTMENT OF COMMERCE

AND REFER TO NO. 3-NRM

U. S. COAST AND GEODETIC SURVEY

WASHINGTON

July 30, 1928.

SECTION OF FIELD RECORDS

Report on Topographic Sheet No. 4136^a

~~Dakin Cove~~ AVALON BAY

California

U.S.G.B.

Surveyed in 1928

Instructions dated December 16, 1927

Chief of Party, F. G. Engle.

Surveyed and inked by J. C. Partington.

1. The records as well as the plan and character of the survey conform to the requirements of the General Instructions.
2. The plan and extent of the survey satisfy the specific instructions.
3. The junction with T. 1606 is adequate.
4. Signal Point on T. 4136 was used on the original work of H. 4482, and as the shoreline on the new survey differs in that locality considerably from T. 4136, the signal is probably erroneously located and should have been included in T. 4136^a.
5. This survey is intended to replace T. 4136 which was found to be defective. The latter sheet should be destroyed after H. 4482 is completed.
6. No additional surveying is required.
7. The character of the surveying and field drafting are excellent.
8. Reviewed by E. P. Ellis, July, 1928.

Approved:

L. O. Dolbert

Chief, Section of Field Records (Charts)

J. B. Borden

Chief, Section of Field Work (H. & T.)

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

C. & G. SURVEY
L. & A.
MAY 15 1928
Acc. No.

REG. NO.

41362

TOPOGRAPHIC TITLE SHEET

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

Field No. -----

REGISTER NO. 41362

State California

General locality ^{Santa} Catalina Island

Locality Avalon Dakin Cove & Vic.

Scale 1/5,000 Date of survey Mar. 26 --Apr. 6, 1928

Vessel DISCOVERER

Chief of Party F. G. Engle

Surveyed by J. C. Partington

Inked by J. C. P. - C. J. W.

Heights in feet above MHW to ground ~~to top of rock~~

Contour, ~~Approximate contour of ground~~ 20 feet

Instructions dated December 16, 1927

Remarks: A Resurvey