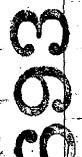
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DESCRIPTIVE REPORT

TO ACCOMPANY TOPOGRAPHIC SHEET F

AT PAAUHAU, HAWAII

U.S.C. & G.S.S. PIONEER

O. W. SWAINSON, CMDG.

AUTHORITY

The area in this work was done in accordance with instructions dated September 19, 1931, to the Commanding Officer of the PIONEER for Project No. 69.

LIMITS

This survey was done on a scale of 1:5000 and covers the area from a junction of Honakaa eastward to a point approximately 1 mile east of Paauhau Landing.

CHARACTER OF CONTROL

The usual method of traverse and resection cuts were used. Triangulation station IKI was computed by a three point fix from theodolite cuts on recovered stations. Station NEW was then located from IKI and PAAUHAU STACK. These two with HONAKAA and PAAUHAU STACKS gave the main control. No triangulation stations were visible from the east end of the traverse but this end was checked from known points.

Inasmuch as it was not possible to traverse in most places along the base of the bluffs on account of the narrow shoreline and rough seas, the high water line was located from the top of the bluffs by means of cuts and off-

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LANDMARKS

The most prominent inshore landmark along this stretch of shoreline is the landing at Paauhau plantation. This landing consists of a concrete incline running down from a large building on the edge of the cliff to a platform on which there is a derrick. This derrick is shown on the sheet as station DER. The high Paauahau chimney shows well from offshore.

CLOSING ERRORS OF TRAVERSE

There were no closing errors of the traverse run.

LIST OF NEW NAMES

No new names were assigned. All the names shown on the sheet were taken from the topographic map of this section of the island by the U. S. Geological Survey.

0. W. Swainson, H. & G. Engineer, Commanding PIONEER.

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

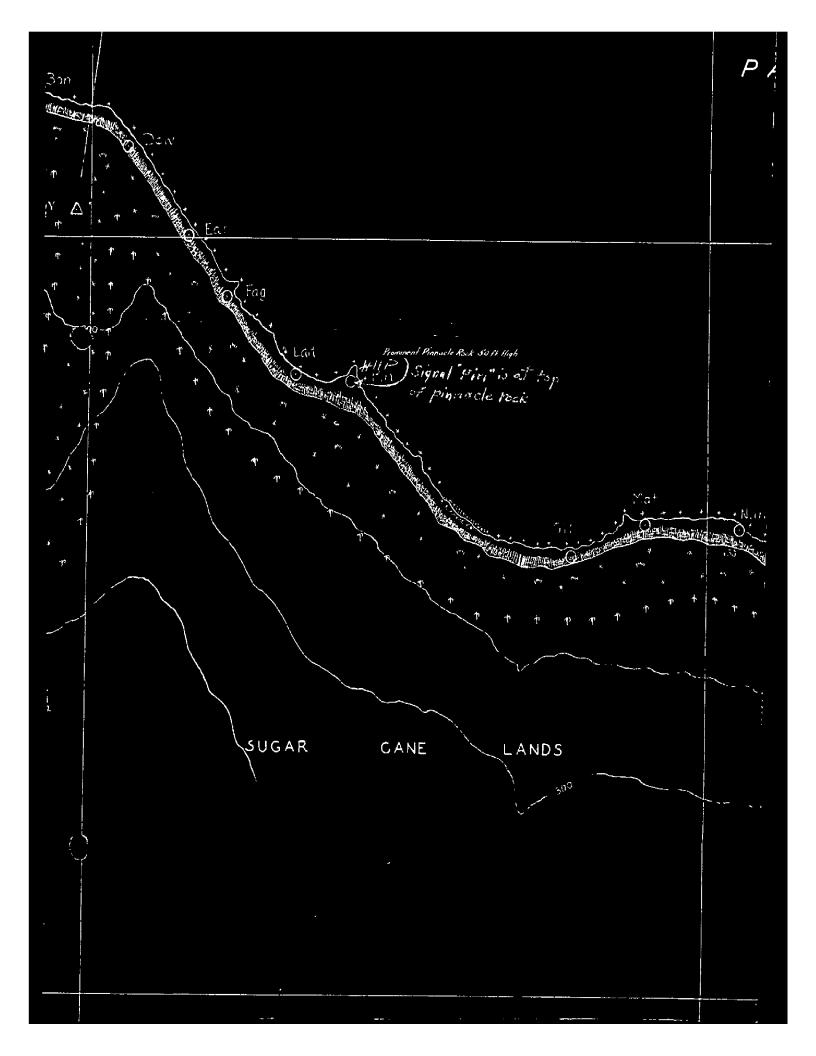


LANDMARKS FOR CHARTS

		Long Beach, California,								
	September 29, 19 33									
DIRECTOR, U. S. COAST AND GE	ODETI	c Su	RVEY:					2 4	.	
The following determined description given below, and sl	objec hould	ts ar be c	e promine harted.	nt, car	ı be	readily di	stinguish	ed from se	award from the	
					0.1	W. Swain	son,		Caief of Party.	
	POSITION									
DESCRIPTION		itude -	Longitude			Datum	METHOD OF DETER- MINATION	CHARTS AFFECTED		
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feet high; once part of										
main bluff but erosion has										
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A list of objects which are of sufficient prominence for use on the charts, together with a description of the same, 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 of primary importance.

The description of each object should be short, but such as will identify it; for example, standpipe, water tower, church spire, tank, tall stack, red chimney, radio mast, etc. Generally, flagstaffs and like objects are not sufficiently permanent to chart.



P. O. Box 159, Long Beach, Calif. POST-OFFICE ADDRESS:

TELEGRAPH ADDRESS:

EXPRESS ADDRESS:

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

U.S.C.& G.S.S. PIONEER, September 30, 1933.

To: The Director,

U. S. Coast and Geodetic Survey,

Washington, D. C.

The Commanding Officer, From:

U.S.C.& G.S.S. PIONEER.

Subject:

Topographic survey No. 4693 - Pinnacle rock.

Reference: 80-DRM dated September 22nd.

There are respectfully forwarded herewith forms Nos. 524 and 567, describing pinnacle rock on north coast of Hawaii, as requested in above reference.

0. W. Swainson,

H. & G. Engineer

Commanding PIONEER.

Form 587a

DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY

JAN 4 1933

Acc. No. ..

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

TOPOGRAPHIC TITLE SHEET

Field Letter ... F

4693 REGISTER NO.

State RANGERANYXAE Hawaiian Is.
General locality RAYAWAXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Locality Panuhau Landing, and Vicinity
Scale 1:5000 Date of survey February , 19 32
Vessel U.S.C. & G.S.S. PIONEER
Chief of Party O. W. Swainson.
Surveyed by P. L. Bernstein
Inked by P. L. Bernstein
Heights in feet above MHW to ground to tops of trees
Contour Approximate contour Form line interval 100 feet
Instructions dated September 19 31
Remarks:

U. S. GOVERNMENT PRINTING OFFICE: 1938