8670

Diag. Cht. No. 9000- .

Form 504

U. S. DEPARTMENT OF COMMERCE

COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Hydrographic

Field No. PI-323-4-61 Office No. H-8670

LOCALITY

State North Central Pacific Ocean

General locality Hawaiian Is. to Aleutian Is.

Locality 155° to 160° & 53°00' to 55°00'

1961-62

CHIEF OF PARTY

M. J. Tonkel
H.G.Conerly & W.F.Deane

LIBRARY & ARCHIVES

DATE Jan. 1963

USCOMM-DC 5087

8670

53°00'

Form 537
(Ed. June 1946)

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

HYDROGRAPHIC TITLE SHEET

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

APR 7-1

REGISTER No. H-8670

Field No. PI-323-4-61 (1611 N-D)

State North Cnetral Pacific Ocean

General locality Hawaiian Is. to Aleutian Is.

Locality 155°00' to 160°00' and 53°00' to 55°00'

Scale 1° Long = 8" Date of survey 4/29/61 to 8/20/62

Instructions dated

Vessel PIONEER

Chief of party H. G. Conerly ~~to~~ & W. F. Deane M. J. Tonkel

Surveyed by Lt.McCaffrey,M.J.Tonkel,C.R.Nygren,J.G.Krakowski,P.W.Hund, J.Patrick,B.Karwisch,T.M.Monaghan,V.R.Smith,Ens.Murphy, Pickens,Ens.Blankenship & O'Hanlon.

Soundings taken by fathometer, graphic recorder, hand lead, wire

Fathograms scaled by

Fathograms checked by

Protracted by

Soundings penciled by

Soundings in fathoms feet at MLW MLLW

REMARKS:

U. S. GOVERNMENT PRINTING OFFICE 777032

GM

Form 946

Hydrographic Surveys (Chart Division)

HYDROGRAPHIC SURVEY NO. 8670

Records accompanying survey: Smooth sheets 1;
Control ~~Boat~~ sheets 1; sounding vols. 3; wire drag vols. .....;
Boat sheet
Descriptive Reports 1; graphic recorder envelopes 1;
special reports, etc. Miscelaneous Data including Astronomic sights; Dead reckoning abstracts and Loran computations are filed with H-8625.

The following statistics will be submitted with the cartographer's report on the sheet:

Number of positions on sheet		.....
Number of positions checked		.....
Number of positions revised		.....
Number of soundings revised (refers to depth only)		.....
Number of soundings erroneously spaced		.....
Number of signals erroneously plotted or transferred		.....
Topographic details	Time	.....
Junctions	Time	.....
Verification of soundings from graphic record	Time	.....
Special adjustments	Time	.....

Verification by ..... Total time ..... Date .....

Reviewed by ..... Time ..... Date .....

VERIFIER'S REPORT OF HYDROGRAPHIC SURVEY NO. H-

The verifier should deal with the present hydrographic survey only, as the reviewer considers its relation to previous surveys and published charts. He should be thoroughly familiar with Chapters 3, 7 and 9 of the Hydrographic Manual.

1. The descriptive report was consulted and appropriate notes were made in soft pencil regarding action taken.

2. Soundings originating with the survey and mentioned in the descriptive report have been verified, including latitude and longitude.

3. All reference to survey sheets mentioned in the descriptive report include the registry number and year.

4. Geographic names of hydrographic features if on sheet are in slanting lettering and of topographic features in vertical lettering.

5. All items affecting the plotting of the survey which are entered in the remarks columns of the sounding records were noted and check marked. In all cases appropriate action was taken.

6. All positions verified instrumentally were check marked in the sounding records.

7. All critical soundings are clear and legible and are a little larger than the adjacent soundings.

8. The metal protractor has been checked within the last three months.

9. The protracting and plotting of all bad crossings were verified.

10 All detached positions locating critical soundings, rocks or buoys were verified.

11. The boat sheet was compared with the smooth sheet.

12 The spacing of soundings as recorded in the records was closely followed.

13. The bottom characteristics were shown on outstanding shoals.

14. The reduction and plotting of doubtful soundings were checked.

15. The transfer of contemporary topographic information was carefully examined.

16. All junctions were transferred and overlapping curves made identical.

17. The notation "JOINS H- (19--)" was added in ink for all contemporary adjoining or overlapping sheets now registered. Those not verified are shown in pencil.

18. The depth curves have been inspected before inking.

19. All triangulation stations and transfer of topographic and hydrographic signals were checked.

20. Heights of rocks were checked against range of tide.

21. Rocks transferred from topographic surveys have a dotted curve where shown thereon. Rocks located accurately by hydrographer are encircled by dotted red curve.

22. Unnecessary pencil notes have been removed.

23. Objects on which signals are located and which fall outside of the low water line have been described on the sheet.

24. The low water line and delineation of shoal areas have been properly shown.

25. Degree and minutes values and symbols have been checked.

26. Questionable soundings have been checked on the fathograms

27. Source of shoreline and signals (when not given in report).

28. All notes on sheet are in accordance with figure 171 in the Hydrographic Manual.

29. All aids located, with those on contemporary topographic sheets, have been shown on survey.

30. Depth curves were satisfactory except as follows:

31. Sounding line crossings were satisfactory except as follows:

32. Junctions with contemporary surveys were satisfactory except as follows:

33. Condition of sounding records was satisfactory except as follows:

34. The protracting was satisfactory except as follows:

35. The field plotting of soundings was satisfactory except as follows:

36. Notes to reviewer:

Verified by Date

Note: MCD Cartographers

This survey and H-8625 & H-8671 will not be processed further. Handle the same as Cat. 1 Surveys. May also be applied thru Blueprints of OPR-421 (see entry for chart 531) per Carstens

mf
9/28/79

NAUTICAL CHARTS BRANCH

SURVEY NO. H-8670 (1961 & 62)

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
3-16-63	9000	Earl M Brogoyi	Before ~~After~~ Verification and Review Partly ~~Partly~~ app'd
			thru BP 61820. There is add'l hydro West of 159°
			shown on Smooth Sheet that is not shown on BP.
			Before After Verification and Review
8-5-'63	8802	h. j. keeler	Several soundings added. Before ~~After~~ Verification and Review. Part. app'd.
2/16/64	8859	Clarence Mistelot	Before ~~After~~ Verification and Review Partly applied
5-22-64	8500	Fred Scarcella	Before ~~After~~ Verification and Review Part. App'd
8-11-64	8502	G. R. McCann	Before [redacted] Verification and Review No Corr.
9/4 64	9302	J. J. Streifler	part. applied Before ~~After~~ Verification and Review
			numerous soundings changed & added and curves changed
8/7/79	531(8500)	Oren E. Stembel	Before After Verification and Review
			This survey is included in the OPR-421 composite blueprint 99626, and was fully applied thru that blueprint.
9/28/79	530(9000)	Kanis	~~Before After Verification and Review~~ Same as Above
6/10/81	16540	Nautor	Before ~~After~~ Verification ~~and Review~~ " " "
			No corr
4/10/90	16666	D M McAlinden	CONSIDER ADEQUATELY APPLIED

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.