11909

11909

Diag. Cht. No. 4116.

Form 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey SHORELINE (PHOTOGRAMMETRIC)

Field No. Ph-6012 Office No. T-11909

LOCALITY

State Hawaii

General locality Maui Island

Locality Honomaele

19.62 1960 - 1964 *

CHIEF OF PARTY

H. J. Seaborg, Honolulu District Office W. E. Randall, Baltimore District Office

LIBRARY & ARCHIVES

DATE

DECOMM-DC 508

* Refer to page 16

U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD T_11909

	T_119 09			
PROJECT NO. (II):				
PH~6012				
FIELD OFFICE (II):		CHIEF OF PARTY		
Honolulu, Hawaii		H. J. Seab	org	
PHOTOGRAMMETRIC OFFICE (III):		OFFICER-IN-CHAR	GE	
Baltimore, Maryland		W. E. Rand	all	
INSTRUCTIONS DATED (II) (III): 14 Nove 28 Nove 13 June	ember 1960 ember 1960 e 1961 uary 1962	<u> </u>		
METHOD OF COMPILATION (III):	,			
V-1-h Diethor				
Kelsh Plotter MANUSCRIPT SCALE (III):	STEREOSCO	PIC PLOTTING INS	TRUMENT SCALE (III):	
1:10,000	1:5,000	0 Pantograph 1:10,000		
DATE RECEIVED IN WASHINGTON OFFICE (IV):	DATE REPO	ORTED TO NAUTICA	L CHART BRANCH (IV):	
APPLIED TO CHART NO.	DATE:		DATE REGISTERED (IV):	
GEOGRAPHIC DATUM (III):			A (III): MSL EXCEPT AS FOLLOWS: IS (25) refer to mean high water	
Old Hawaiian		l	e (5) refer to sounding datum er or mean lower low water	
REFERENCE STATION (III):	,	<u> </u>		
HANA SOUTHEAST BASE, 1950				
20° 47° 16.357° 156° 01°	37.166"	ADJUSTED UNADJUSTED		
PLANE COORDINATES (IV):		STATE	ZONE	
Y = 165,520.98	5.96	Hawaii	2	
ROMAN NUMERALS INDICATE WHETHER THE ITEM IS OR (IV) WASHINGTON OFFICE. WHEN ENTERING NAMES OF PERSONNEL ON THIS REC				

DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (II): DATE: J. C. Lajoye Nov. 1961

MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):

Located by Kelsh Plotter from photography of October, 1960 supplemented by color photography of January 1962.

PROJECTION AND GRIDS RULED BY (IV):		DATE
	R.A.C.	11-30-60
PROJECTION AND GRIDS CHECKED BY (IV):		DATE
the second secon	J.D.C.	12-6-60
CONTROL PLOTTED BY (III):		DATE
L. A. Senasack	4-62	
CONTROL CHECKED BY (III):		DATE
L. O. Neterer	4-62	
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTE	DATE	
Aerotriangulation - Washington	1962	
STEREOSCOPIC INSTRUMENT COMPILATION (III):	DATE	
	E. L. Williams	5-62
	CONTOURS	DATE
E. L. Williams	Inapplicable	
MANUSCRIPT DELINEATED BY (III):		DATE
E. L. Williams		6-62
SCRIBING BY (III):	6-62 DATE	
1. 2. 7200		6-30
PHOTOGRAMMETRIC OFFICE REVIEW BY (III):		DATE
D. M. Brant		6-62
REMARKS:		30-0

FIELD EDIT - USCAGSS PATHFINDER DATE : Mop Legend - June 1964

Note: Records in this report (pages 13, 14, 15) indicate that the survey, was probably accomplished in 1963; the date however, is of no particular significence, inasmuch as only rocks and foul lines required Correction

U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (111):

™W™ Camera

	PH	OTOGRAPHS (III)		
NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
60 W 2957 thru 2960 62 W(C) 2300 thru	15 Oct. 1960 26 Jan. 1962	0924 0959	1:25,000	1.8 Ft. Above MLLW 0.9 Ft. Above MLLW
2310				
		,		
Tides computed from	Predicted Tide	Tables		

	TIDE (III)				Diurnal
			RATIO OF RANGES	MEAN RANGE	9 PRI NG RANGE
REFERENCE STATION: Honolulu, Hawaii				1.2	1.9
UBORDINATE STATION: Hana, Hawaii				1.8	2.5
SUBORDINATE STATION:					
FINAL WASHINGTON OFFICE REVIEW BY (IV): Leo F. Beugnet,	Norfolk	Regional Office	DATE:	1965	
PROOF EDIT BY (IV):		·	DATE:	1965	
Williams of Thirmon Atlantations of the Col.		RECOVERED:	IDENTIFIE	D:	
NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):	5	5		_ 4	
NUMBER OF BM(S) SEARCHED FOR (III):		RECOVERED:	IDENTIFIED		
	None	0		_ 0	
NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED ((1):	0			
NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISH	ED (III):	10			
REMARKS:					

COMPILATION RECORD COMPLETION DATE REMARKS
longshore area for hydre/ June 1962 superseded
inal Compilation June 1964

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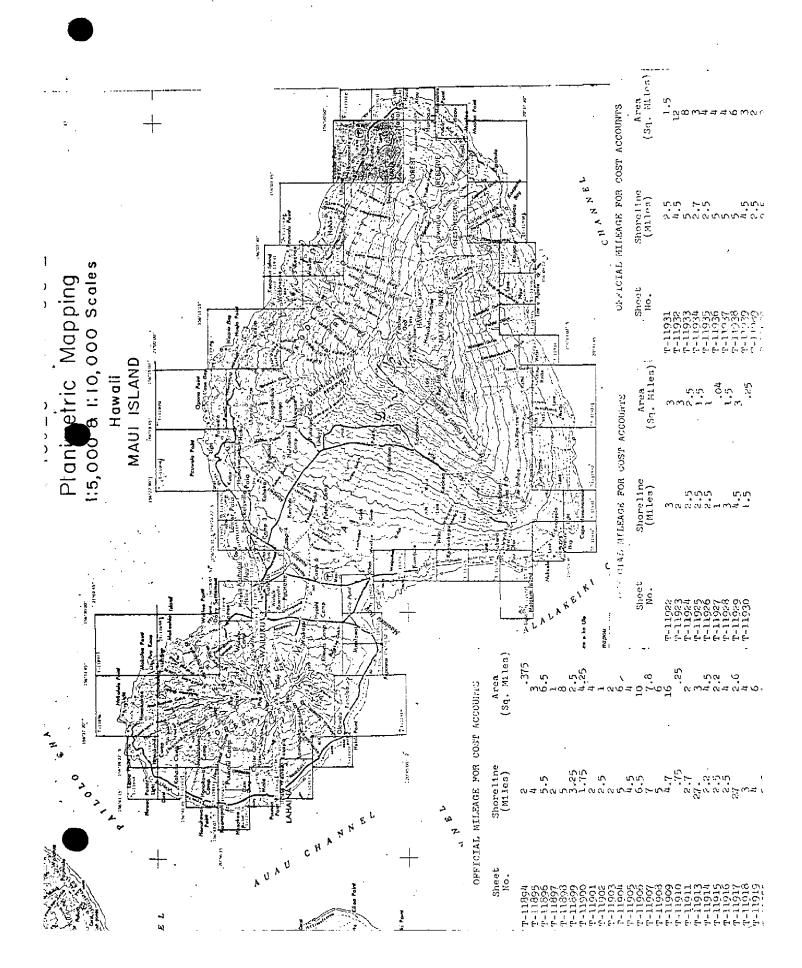
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SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT T-11909

Shoreline map T-11909 is one of forty-nine similar maps in this project and covers a part of the coastline of Maui Island. This was a Kelsh project in advance of hydrographic surveys in the area. The field operations preceding compilation included recovery and identification of horizontal control and field inspection. Kelsh compilation was at 1:10,000 scale from photography of October 1960 at 1:25,000 scale. Ratio prints were subsequently furnished for hydro support along with a cronaflex positive with shoreline, alongshore features and pass points for preparation of the hydrographers boat sheet. The manuscript is a vinylite sheet $\frac{1}{4}$ minutes in latitude by 3 $\frac{3}{4}$ minutes in longitude which was drafted and reproduced on cronaflex. One cronar positive and one cronar negative are provided for record and registry.

FIELD INSPECTION REPORT

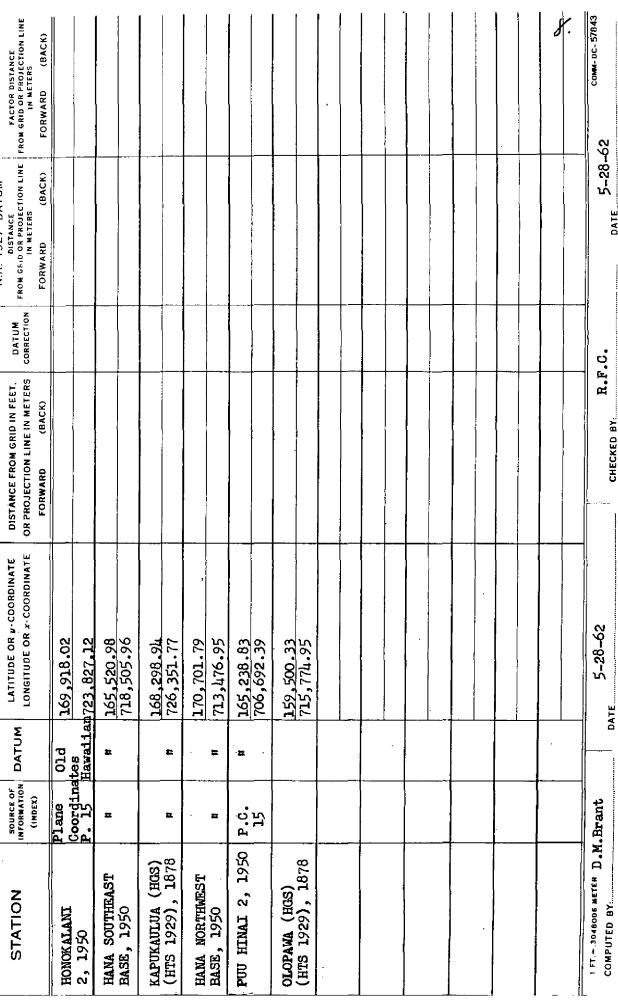
Please refer to the Field Inspection Report for Maui Island bound with the Descriptive Report for T-11991.

FORM 164 (4-23-54)

COAST AND GEODETIC SURVEY U.S. DEPARTMENT OF COMMERCE

NTROL RECORD

DISTANCE FROM GRID OR PROJECTION LINE FROM GRID OR PROJECTION LINE IN WETERS (BACK) FORWARD SCALE FACTOR (BACK) N.A. 1927 - DATUM FORWARD DATUM SCALE OF MAP 1:10,000 OR PROJECTION LINE IN METERS DISTANCE FROM GRID IN FEET. (BACK) FORWARD DESCRIPTIVE REPORT MAP T- 11909 PROJECT NO. 6012 LONGITUDE OR x-COORDINATE LATITUDE OR y.COORDINATE 165,520.98 718,505.96 165,238.83 159,500.33 168,298.9h 726,351.77 169,918.02 713,476.95 170,701.79



COMPILATION REPORT T-11909

For additional data pertaining to this survey please refer to the Field Inspection Report for Maui Island bound with T-11991 and the Photogrammetric Plot Report bound with T-11907.

ITEMS 31 THRU 36

Please refer to the Compilation Report bound with T-11896

37. LANDMARKS AND AIDS

There are no landmarks or aids to navigation within the compilation limits.

38. CONTROL FOR FUTURE SURVEYS

No control for future surveys was established.

39. JUNCTIONS

Satisfactory junctions were made with the following surveys along their common junctions, T-11908, T-11910, T-11911, and T-11989.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with U.S.G.S. Hana, Hawaii quadrangle, 1:24,000 scale, edition of 1957.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with nautical chart 4116, scale 1:250,000, 12th edition, August 17, 1964.

ITEMS TO BE APPLIED TO CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Respectfully submitted:

For: Dohald M. Brant Carto. (Photo.)

Approved:

Capt. C&GS Norfolk Regional Officer

48. Geographic Names List:

The Geographic Names listed below were furnished by the Washington Office on U.S.G.S. Hana, Hawaii $7\frac{1}{2}$ minute quadrangle, scale 1:24,000, edition of 1957.

Heleleikeoha Stream
Honomaele Gulch
Honomaele
Kalahu Point
Keakulikuli Point
Keawaiki Bay
Koali*
Muolea*
Oilowai Gulch
Pailoa Bay
Pakaulua Point
Ulaino

ALL NAMES APPROVED BY
GEOGRAPHIC NAMES SECTION
UNLESS OTHERWISE MARKED.

* Not shown on this survey

Ph-6012 Maui Island, Hawaii Surveys T-11907 thru T-11909

19. NOTES FOR THE HYDROGRAPHER

A set of ratio prints has been prepared for use during photo-hydro support. Photography was taken in 1960 and 1961. Color photography, where available, was used as an aid in interpreting offshore details and foul lines.

The positions of the following hydrographic signal sites have been established photogramme trically for the following surveys.

= -		
Signal No.	Description	Photo. No.
٠.	T-11907	
0703. 0702	High point at offshore end of rock Lone coconut tree	2511 2511
	onal signals in this area will have to be se	lected from a
	T-11908	
0801 0802 08 03	Rag on lauhala tree Offshore corner of concrete slab Offshore of two lauhala trees	2956 2954 2954

0803	Offshore of two lauhala trees	2954
	T-11909	•
0901.	Flag at point of brush	2960
0902	Flag at end of fence	2960
0903	Flag on lone rock	2960
0904	Flag on pinnacle rock	2959
090∄	Rag on dead lauhala tree	2958
090ô	Rag on lauhala tree	2958
0907	North gable of house	2958
0908	Point of offshore rock	2957
0909	Flag on point	2957
0910	Flag on rock point	2957

FORM 182 (3-61)		Р	ното	GRAMMETRIC OFF			DEPARTMENT OF COMMERCE
PROJECTION GRIDS	N AND	2 TITLE			/ /	3	MANUSCRIPT 4. MANUSCRIPT
CONTROL		CONTAL CONTROL ONER ACCURACY	STATIO	NS OF THIRD-ORDER		ACCURACY	AL STATIONS OF LESS THAN (TOPOGRAPHIC STATIONS)
STATIONS	7. PHOT	O HYDRO STATION			9. PLOTTING OF		10. PHOTOGRAMMETRIC
	11. DETA	lc points	1^	10ne	Hone		J./1/9.
ALONGSHORE AREAS	12. SHOR	LB.	13. Lg	W-WATER LINE	14. ROCKS, SHOAT	· • · · · · · · · · · · · · · · · · · ·	15. BRIDGES
(Nautical Chart Data)	IO. AIDS	to navigation Vone		17. LANDMARKS		FEAT	R ALONGSHORE PHYSICAL
	19. OTHE		JLTURA				
PHYSICAL	20. WATE	+B			21. NATURAL GRO		
FEATURES	22. PLAN	ETABLE CONTOUR	15		23. STEREOSCOPI		ENT CONTOURS
	24. CONT	OURS IN GENERAL	<u>.</u>		25. SPOT ELEVAT		
	26. OTHE	NON e	ŲRES		None	<u>-</u>	
	J,	HB.	- <u></u> -				
CULTURAL	27. ROAD	s P+13		28. BUILDINGS		29. RAILE	
FEATURES	30. OTHE	R CULTURAL FEAT	TURES] /Y <u>0</u>	ne
BOUNDARIES	31. BOUN	DARY LINES	<u>.</u>		32. PUBLIC LAND		
-	33. GEOG	MOME RAPHIC NAMES		,	Hon	34. JUNCT	rions
LANEOUS	25 1 5 6 19	FB.	lee õi Br	36. DISCREPANCY O	VERLAY	27	B.
	Z	7/3.		J.J. B		J.F.	B.
	SIGNATU	4 12			SIGNATURE OF SL	13 IRERVISOR	REVIEW SECTION OR UNIT
10. FIELD COM	PLETION vey have b	ADDITIONS AND CO	RRECT manus	IONS TO THE MANUSC	RIFT-Additions and	dunte d correction except as n	NA starnished by the field com- ored in remarks on reverse side.
SIGNATURE OF			7 1	Williams	SIGNATURE OF SU	PERVISOR	
<u> - ~ /, 1//-</u>	- Comment	The second	USE RE	VERSE SIDE FOR REM		J 10 (100)	USC OMM-DC 25353-P61

FIELD EDIT REPORT T-11909

There is no formal Field Edit Report. Please refer to the two following Memorandums concerning field edit of this manuscript.

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UNITED STATES GOVERNMENT

Memorandum

U.S. DEFARTSHEET OF STREET COAST AND GEODETIC SURVEY. it 14.

DATE: 3 July 1963

The Director

Coast and Goodetic Europy U.S.Dopartment of Commerce Machington 25, D.C.

RQM : Commerding Officer USCEGSS Pathfindor

705 Fodoral Office Emilding

Sonttle, Washington

WEJECT: Field Bit Deport - CFR-119

During the Circt half of the 1963 Mold scener, Pathwinder parsonnal field chilish the numberiple listed below for technoly and completeness. The rus cannoted charges have been notice on the blackling improcedent in rod and great into In general, the manucoripto toto fettal to be very relicite that only minor descriptancies ... Stor gried

From manuscripts with noted of ages are being forwarded to the Rechington Cifics at July 9. These promiserable with no recommended changes have been noted below the remaining managerists will be forwarded as seen as to have had an oppositually to compare them with the beat shoots now in Mashington for photographying.

Lilitul - Eo changos T-11905 Milital - Will be forwarded later 2-11503 Bistoi - Will be formerled letter 2-11937 22100 Elifol - Will be formeded later Elitol - Mil to forunded leter Elitol - Mil to forunded leter 1 30 m 7-11910 1-11911 Elited - Will by formerlod later 2-11990 Formuled 9 Jaly -1101 -11001 Elke. - Ho recumpatel charges aogrado deliminación - No recommende changes 2-12000 lucied - No recommended charges T-11\/ Vourantled 9 July 0-11903 Partiated 9 July Fernaldod 9 Jeff C-11957 2-11991 Blighed - Will be forwarded later 2**-11**992 Paited - Will be forwarded later

It is requested that those comparipts be returned to the Ship as com an is practical as they will be specied for amount plotting.

Famili CO-KB (Sept.) (CALL), CY ALO, (L2-K) United States Covenient omor modelin

U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY

:Chief, Photogrammetry Division TO

DATE: January 24, 1964.

C 631/W

FROM : Commanding Offics: USC&GSS PATHFINDER

705 Federal Offic

Seattle 4, Washington 98104

Field Edit data, Project 2103/ (Ph-6012), Maui Island, Hawaii

Manuscripts T-II907 and T-II99I were corrected and sent I/9/64 with transmittal letter PATH I-64. Manuscripts T-II906, T-II908 through T-II9II and T-II992 are being sent. Shoreline revision was necessary on T-II909 and T-II908 only.

Replying to 63I4/ih

H. J. Seaborg Capt. USC&GS Ship PATHFINDER

YOU AILL MOT KEESINE DIN HIDIEDLICH 40 TICE CHEIF IS STITE STUT WALL DELTHO MDHUSCACTS DITH LE CHOUSES HOTED ! TIL FETTERIAL CHONORFLIX COPIES THAT LAKE CRUMANTY OUR ATHA SINTA CITTINGTENTINT STIT BOOK TO THE SHIP (THIS!) FIRM -11-54 DAZ 14040. 1420105

REVIEW REPORT T-11909 SHORELINE

61. GENERAL STATEMENT

See summary accompanying Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

A visual comparison was made with Registered Planetable survey No. 3274, 1:20,000 scale dated March 30, 1914.

Shoreline manuscript T-11909 supersedes Planetable survey 3274 and should be used for all future chart construction.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

Comparison was made with U.S.G.S. Hana, Hawaii quadrangle, 1:24,000 scale, edition of 1957.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

64375

Comparison was made with copies of boat sheets H-8719-PF-10-2-63 sheet CC and H-8721-PF-10-4-63. The shoreline of the manuscript and boat sheets are in good/agreement.

65. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with nautical chart 4116, 1:250,000 scale, 12th edition of August 17, 1964.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

This survey complies with instructions and meets the National Standard of Map Accuracy.

* Refer to page 18 of this report concerning agreement between the shoreline & hydro surveys.

Reviewed by:

Approved by:

J. Bull, Director, Atlantic Marine Center

Approved by:

Chief, Cartographic Branch 566

Chief, Chart Vivision

Marine

Chief, Photogrammetry Division

Chief, Operations Division

Refer to page 18

NOTES TO VERIFIER H-8719 and H-8721 (Comparison with T-11909)

T-11909 was field edited (Ship PATHFINDER) in conjunction with hydrography (H-8719 and H-8721). Changes in the shoreline survey resulting from the edit were concerned only with foul lines. These changes were applied in the compilation office prior to production of the final map.

During the final review of T-11909 comparisons were made with copies of boat sheets PF-10-2-63 sheet cc (H-8719) and PF-10-4-63 (H-8721). Shorelines shown on the surveys were found to be in agreement. No additional comment was made.

Prior to registration, T-11909 was compared with BP-64431 (H-8719) and BP-64395 (H-8721) at the Washington office. Soundings have been carried inshore of the edited foul line; and some rocks located near the shoreline survey foul line are not shown on the hydro surveys. For the present the above hydro survey information will not be considered to constitute an edit - the information will not be applied to T-11909.

If in the opinion of the hydro survey reviewer, hydrography was sufficiently developed (and/or sounding volumes contain applicable references) to consider the information an edit, the shoreline survey will be corrected.

W.O. Review Unit

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

1. Letter all information.

2. In "Remarks" column cross out words that do not apply.

3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

CHART	DATE	CARTOGRAPHER	REMARKS
4115	11/8/66	TAW/mR.	Part Part After Verification Review Inspection Signed Via
		7	Drawing No. No revisions at this lime.
4116	5/11/49	O. Chopman	Full Part Before After Vesification Review Inspection Signed Via
			Drawing No. NO COTY at this time
19320	6/5/97	Janel Fletarym of	Full Part Before After Verification Review Inspection Signed Via
		The state of the s	Drawing No. Previous application adequate
	<u> </u>		Full Part Before After Verification Review Inspection Signed Via
		·	Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
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