4457a

Form 504
Ed. June, 1928

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R. S. Patton, Director

State: Florida

DESCRIPTIVE REPORT

Air Photos
Topographic
~~*Hydrographic*~~ } *Sheet No.* 4457 a

LOCALITY

East Coast of Florida

Jupiter Inlet to Lake Worth Inlet

1928

CHIEF OF PARTY

O. S. Reading

U. S. GOVERNMENT PRINTING OFFICE: 1930

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DESCRIPTIVE REPORT TO ACCOMPANY
AIR PHOTO TOPOGRAPHIC SHEET

No. 4457 a - Jupiter Inlet to Lake Worth Inlet, East Coast, Florida.

This is a compilation of a single strip of air photographs, numbers 499 to 523, (third roll) direction of flight to northward, taken with Army Air Corps 4 lens camera No. 26-1. These photographs were taken on April 20, 1928, No. 499 being taken at about 4:45 P.M. and No. 523 at about 4:55 P.M., about two hours before a minus low tide as obtained from the predicted tide tables. A Loening Amphibian plane was piloted by Lieutenant J. A. Dexter at a height of approximately 10,000 feet, giving an average scale of about 1:18,600 to the photographs.

LIMITS OF SHEET NO. 4457a

This sheet includes the area from the coast to about 4 1/2 miles inland, at the western edge of the single photographic strip, and from one mile north of Jupiter Inlet to one mile south of Lake Worth Inlet.

CONTROL

In addition to the photographic control sheets Nos. 4457b and 4458b, three roads about five miles apart, which extend in an easterly and westerly direction across the sheet, were used for control. Solar azimuths of these roads were obtained with the theodolite. The azimuths of railroads and roads crossing them were determined by sextant angles. The lengths of these roads and distances between crossroads, etc., were determined by steel tape measurements and are shown with red circles on the topographic sheet.

The northern road was tied to a triangulation station - West Jupiter School. The southern road was tied to a topographic signal. The center road, holding the azimuth of the road, was placed in position by means of the old topography and the topographic photo control sheet shoreline, and was checked by the azimuth of the railroad.

COMPILATION

A projection was laid on the celluloid sheet to the average scale of the photographs as determined by a preliminary radial plot. Photostats of topographic sheets Nos. 1640 and 1649 and topographic photo control sheets Nos. 4457b and 4458b were made to this scale. The shoreline from the photostats of the topographic photo control sheets was traced in black ink, from the other photostats in blue ink, on the celluloid sheet. A radial line graphic traverse was then plotted holding to this control. The remaining features of the photo topo-

graphic map were obtained by adjusting between the points determined by the radial plot.

This sheet was prepared from two photographic negatives, the junction line of which is shown on the sheet in pencil.

CHANGES

In general, the differences between the photographic sheet and the old topography as shown on sheets Nos. 1640 and 1649 are small. However, a large discrepancy was found on the inner waterway between latitudes 26° 53' and 26° 56'. This discrepancy begins at about latitude 26° 56' and has a gradual increase to the south to a maximum of about 140 meters where the canal joins the stream at latitude 26° 53!5. This was apparently due to the errors of the old plane-table traverse run along this swampy waterway, as the general features of the stream resemble the stream as shown on the air photographic map. The shoreline of the waterways at each end check very closely.

A hurricane swept this part of the country since the air photographs were taken which caused numerous changes in the shoreline and wharves. The ocean shoreline throughout this sheet, the shoreline in Lake Worth Inlet from Singer Hotel Bridge to North Bridge and the shoreline in Jupiter Inlet from the entrance to the Highway Bridge were run with the planetable in 1929 on photo control sheets 4457b and 4458b. This 1929 shoreline was used in the compilation of the photo sheet.

NAMES

The names appearing on this sheet are taken from the topographic air photo control sheets Nos. 4457b and 4458b.

SYMBOLS

The standard topographic symbols were used together with the following special symbols in order to bring out the topographic character of the locality: A single full line for a ditch, a double full line for all improved, graded and paved highways and streets, a double dashed line for all unimproved but graded roads, and a single dashed line for trails.

The culture was noted on the photographs from the principal highways and the roads traversed during a limited field inspection. At inaccessible places the culture was interpreted in the office from the similarity noted to that obtained from the field inspection.

LANDMARKS FOR CHARTS

The landmarks for charts will be found in the descriptive report of the topographic air photo control sheets Nos. 4457b and 4458b.

Respectfully submitted,

Walter J. Chovan
Jr. H. & G. Engr.

Approved:

O. S. Reading
Chief of Party, C. & G. Survey.

APPROVED

K. T. Adams
FIELD RECORDS (C)

Chief, Section Field Work

L. O. Colbert
Chief, Division of Charts

Chief, Div. of Hyd'y and Top'y

Form 537a

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

PHOTO-TOPOGRAPHIC TITLE SHEET

REG. NO. 4457a 44572

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

Field Letter 16 E C

REGISTER NO. 4457a 44572

State Florida

General locality East Coast of Florida

Locality Jupiter Inlet to Lake Worth Inlet

Scale 1:20,000 Date of survey April 20, 19 28

Vessel Loening Amphibian Airplane

Chief of Party O. S. Reading

Surveyed by W. J. Chovan

Inked by W. J. Chovan

Heights in feet above -- to ground to tops of trees

Contour Approximate contour Form line interval -- feet

Instructions dated Jan 7th and June 6, 19 29

Remarks: Compilation Air photographs Nos. 499 to 523. Reduced to 1:20,000 and printed by photolithographic process in Printing Section.

U. S. GOVERNMENT PRINTING OFFICE: 1918

4457b 4458b

Diag. Cht. No. 1248-1

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. #4457b Office No. 4458b

LOCALITY

State Florida

General locality East Coast

Locality Palm Beach to Jupiter Inlet

1929

CHIEF OF PARTY

J. Senior

LIBRARY & ARCHIVES

DATE November 20, 1929

B-1870-1 (1)++

4458b 4457b

4457b and 4458b

4457b 4458b

Form 504

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

....., *Director*

U. S. COAST & GEODETIC SURVEY
L. & A.
NOV 30 1929
Acc. No.

State: Florida

DESCRIPTIVE REPORT

Photo Control A&B
Topographic
~~*Hydrographic*~~ } *Sheets No.* 4457b and 4458b

LOCALITY

East Coast

Palm Beach to Jupiter Inlet - 4457b

Jupiter Inlet to Vic of St Lucie Inlet - 4458b

192 9

CHIEF OF PARTY

J. Senior

GOVERNMENT PRINTING OFFICE

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC AERO-

CONTROL

SHEET NOS. "A" and "B"

of

PALM BEACH

North to two miles below St. Lucia Inlet.

M. V. Natoma — Jack Senior, Comdg.

Season 1929

D E S C R I P T I V E R E P O R T

to accompany

TOPOGRAPHIC AREO-PHOTO CONTROL SHEET NUMBERS "A" AND "B"

of

PALM BEACH -- North — to Two miles

below St. Lucia Inlet.

Authority:

This work was executed in accordance with Director's Orders dated January 7th, 1929.

Limits of Sheet #A and#B:

Sheet #A; this sheet includes, both shores of Lake Worth from the north bridge at West Palm Beach to the Singer Hotel bridge, Lake Worth Inlet, and the shore on the outer coast from △ Drift to two miles south of Jupiter Inlet.

Sheet #B; commences two miles south of Jupiter Inlet and goes north to within two miles of St. Lucia Inlet. Jupiter Inlet was surveyed on an insert of scale 1:10,000.

General Description:

The section of Lake Worth Inlet north is formed almost entirely by a sand beach with a steep sand bank at storm high water line. This bank ranges from one foot to about seven feet in height. It is highest at △ Palm.

The vegetation consists of grass, scrub palmetto and palmetto which commences at the top of the bank and extends inland over the more or less conspicious low sand hills, in back of which are slightly higher wooded sand hills. The shore from Lake Worth Inlet to Jupiter Inlet is devoid of dwellings.

Landmarks:

In making Lake Worth Inlet from the north the prominent landmarks seen are as follows: Hobe Sound Water Tank, Jupiter Inlet Light (Water Tank Seminole Golf Club) Kelsey City Water Tank, then the unfinished Singer Hotel (Signal Tall) which is about 3/4 mile north of the entrance. In approaching the Inlet from the south are seen: The north and south flag-poles of the Breakers Hotel, the north and south cupolas of the Alba Hotel, and the Water Tank at Palm Beach. From the Breakers Hotel to the Inlet the beach is well built up having wooden and concrete retaining walls and beautiful mansions.

(Descriptive report to accompany Topo. Areo-Photo Control Sheet #A and #B of Palm Beach north to two miles below St. Lucia Inlet,-cont'd).

Control and adjustment of closing error:

Lake Worth, Lake Worth Inlet and the outer coast from △ Inlet to △ Drift was done by plane table triangulation and plane table traverse. This part was run in advance of traverse. In closing on △ Drift it was found to be out a little in azimuth. The error was found to commence at Latitude of Signal Club and was carried forward for the remainder of the survey of the northern part of Lake Worth, and also on the outer coast of Palm Beach to △ Drift. This was dueto using ⊙ Tall erroneously located for orientation of the area. The location by traverse of signals △ Kelsey City Water Tank, △ Bea, △ Ridge, △ Inlet, △ Dill, and △ Drift, and the topo relocation of ⊙ Tall and the setup points at ⊙ Club and a setup point opposite ⊙ Club was used as control for swinging in the shore line. The topo location between these signals corresponded exactly with the traverse location. Traverse control was used from △ Ridge north.

Locating Traverse Stations and Prominent objects on Photographs:

In all cases where available in the vicinity of traverse stations a sufficient number of distances and directions to surrounding detail was obtained and plotted on an insert on a scale of 1:10,000.

The Azimuth of the Singer Hotel bridge was obtained but no detail was available to locate the setup point. Probably could use the distance between the east gable of the house on the bridge to the setup pt. and plot it in the center of the road. No detail,was available to locate the setup point for the south breakwater at Lake Worth Inlet, so the point was located by a three point fix using North Breakers Hotel Flag, Rear range entrance light, Bea, south gable white house on Singer Bridge and distance measured to △ Inlet.

The Azimuth of roads, leading away from the beach and intersections of crossroads were-ever possible were obtained, but at these setup points no prominent objects were available for location purposes on photo. The center of crossroads make a definite location point.

The following data is included with this report:
3 pages of "Photo-Control Points."
4 pages of "Plane-Table Traverse."
1 sheet "Landmarks for Charts"
ZC

LIST OF PROMINENT POINTS WHICH ARE DISTINGUISHABLE ON THE PHOTOGRAPHS:

These points are encircled on the photographs with a 4-H pencil and numbered. The number of the photograph and number of the circle is at the heading of each description. The latitude and longitude of these prominent points can be found in the list of Plane Table Positions.

F-496 (1. Comeau Bldg. Chmy):
This building is on the N. side of Clematis between Broadway and Olive streets. The Chimney on this building was located by topo cuts.

(2. West Palm Beach Catholic Church):
Old △ Station. Church spire.

(3,4,5,6,& 7.)
These points are shown on a scale of 1:10,000 on topo sheet #A. Were located in order to establish signal △ East.

3, takes three point into consideration. The NE, NW, and SW corners of the State Board of Health Building.

4, Is the S.E. Corner of F.E.C.R.R. Station.
5, " " N.E. " " " "
6, " " S.W. " " Campbell's Furniture Warehouse.
7, " " S.E. " " " " "

8. Approximate location of Signal △ East.

9,10, & 11. The three corners of the Elks Club building.

12,13 & 14. The three corners of the Crane Building were located by topo in order to fix points ⊡ 2nd and ⊡ 3rd to get azimuths of 5th street and azimuths of R.R. over N. bridge.

15. Brick chimney on house on n. bridge.

16. Top and center of water tank, Palm Beach.

17. Royal Poinciana Hotel, Flagpole, old △ Station.

18. " " " Chimney, " " "

19. S. Flag pole of Breakers Hotel. on cupola

20. N. " " " " " "

21. S. " " Alba "

22. N. " " " "

23. Topo setup center and 3 m. from W. face of concrete pier.

24. Topo banner signal on NE corner of Stationary platform on north side of boat landing pier.

II. List of Prominent points which are distinguishable on the photographs - cont'd.

F-496, (25. Topo Banner signal on Pier. Location as shown.

26. Tall black stack.

F-498, (27. Golf club flag pole.

F-501, (28. Flagpole on Sailfish Club House.

(29. Rear Range Lt. Lake Worth Inlet.

(30. Front " " " " "

F-503, (31. S. Gable of House on bridge.

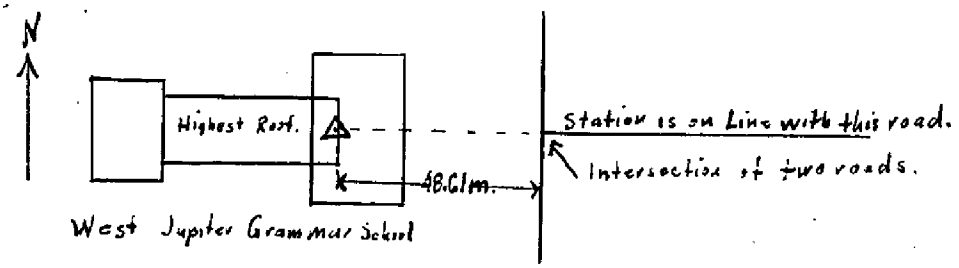
F-503, (32. Singer Hotel. Eastern Outline of building determined by plane table.
△ "Hotel" on N. Cupola (center).
⊙ "Tall", highest point on building. Center of S.Cupola on middle wing.
⊙ "Here" in N.E. corner of porch of S. wing.

F-505, (33. Kelsey City water tank, highest point. Determined by triangulation
△ Tank.

F-516, (34. Lathe covered area where asparagus ferns are grown.

F-519. (35.△Bend see insert scale 1:10,000.

(36. W. Jupiter Grammar School. Determined by triangulation.



F-520. (37. S. end of Jupiter Inlet bridge.

(38. Center of roof of small house on Jupiter Inlet bridge.

(39. N. end of Jupiter Inlet bridge.

(40. Small wharf near Jupiter Lt.

(41. Jupiter Lighthouse.

(42. Intersection of Dixie Highway & Beach Road & also road to Jupiter Lt.

(43. W. end of Bridge.

(44. Center of draw span of bridge.

III. List of Prominent points which are distinguishable on the photgraphs- cont'd.

F-520 (45. E. End of bridge.

F-528 (46. See insert to locate signal HILD.

(47,48 & 49. Azimuth of roads leading away from main road.

F-530 (50. See insert to locate △ Yates.

F-532 (51. See insert to locate △ Dyer.

(60. Hobe sound Water Tank.

F-534 (52. Azimuth of road leading away from beach.

(53, 54. Intersection of two roads.

(55, 56. E. and W. end of bridge over inside route. This bridge is now being torn down and will be replaced by a new one.

F-535 (57. Location of △ Royal.

(58. The NE, SE, and SW corners of Big white house.

F-537 (59. Roadsends here, there has been a ~~re~~cession of the shore from this point north as shown on the topo sheet.

- - - - - - - - - - -

Respectfully Submitted

Walter J. Chovan

Walter J. Chovan
Jr. H & G Eng.,

Recommended for Approval:

Jack Senior,
H & G Engr.,

I PLANE TABLE POSITIONS (4 pages) 1.

Sheet A.

Object & Description	Lat.	D.M.	Long.	D.P.	Remarks.
Comeau Bldg Chimney	26° 42'	(355) 1491	80° 03'	(1363) 304	Top
Breakers Hotel S.Flagpole	26 42	(238) 1608	80 02	(1544) 117	Top
" N. " "	26 42	(171) 1675	80 02	(1540) 118	Top
Water Tank, Palm Beach	26 43	(1675) 171	80 02	(864) 794	Top
S. Cupola Alba Hotel	26 43	(1494) 352	80 02	(810) 848	Top
N. " " "	26 43	(1433) 413	80 02	(817) 841	Top
Tall Black Stk	26 43	(837) 1009	80 03	(1067) 611	Top
Brick Chmy No. on N.Brdg.	26 43	(1695) 151	80 02	(234) 1424	Top
Stop	26 43	(1680) 166	80 02	(418) 1240	Top of Stop sign.
Pal	26 43	(1301) 545	80 02	(72) 1586	Sig.on Palm Tree.
Jac	26 43	(824) 1022	80 03	(1634) 24	BannerSig.on Dock.
Flag Pole on wharf	26 43	(376) 1470	80 02	(766) 892	Base of pole
W. Gable of Boat House	26 43	(247) 1601	80 02	(768) 890	N'ly of 2 Bt.Houses.
Ban	26 43	(201) 1645	80 02	(43) 1615	Banner Signal.
Cön	26 44	(1440) 406	80 02	(844) 814	Top of Cupola.
Flag	26 44	(1273) 573	80 03	(1565) 93	Top of Flagpole.
Golf Club Flag pole	26 44	(931) 915	80 02	(1415) 244	Top
Poc	26 44	(723) 1123	80 02	(135) 1523	Banner Signal
Ho	26 44	(330) 1516	80 02	(803) 855	W.Gable ofBt.House
Sig	26 44	(30) 1816	80 03	(1624) 34	Center ofWh.Sign
N Fence Post	26 45	(1476) 370	80 03	(1485) 173	Durham's Estate.Top
Club	26 45	(548) 1298	80 02	(871) 787	Top of Flagpole on Sailfish Clubhouse.
Dot	26 45	(226) 1620	80 02	(122) 1536	Top of S Dolphin
Mass	26 46	(1712) 134	80 02	(123) 1535	Top of S Mooring Dolphin.
Lt on N Mooring dolphin	26 46	(1645) 201	80 02	(132) 1526	Top
Front Range entrance Lt.	26 46	(1692) 154	80 03	(1541) 117	Top

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II PLANE TABLE POSITIONS

Sheet A.

Object & Description	Lat.	D. M.	Long.	D.P.	Remarks.
Rear Range entrance Lt.	26° 46'	(1751) (95)	80° 03'	(1356) 302	Top
Red Buoy #6	26 46	(1549) 297	80 02	(180) 1478	
Red Buoy #4	26 46	(1308) 538	80 02	(898) 760	
Bad Bad	26 46	(1303) 543	80 02	(914) 743	Top of Light
(Dip) Lt. on Dolphin	26 46	(1254) 592	80 02	(1279) 379	
(Emo) Red lt.on Dolphin near #2 buoy.	26 46	(1139) 707	80 02	(1458) 200	Top
Red Buoy #2	26 46	(1139) 707	80 02	(1486) 172	
(Out) Lt.on end of N.jetty	26 46	(1104) 742	80 01	(206) 1452	Top
Beacon #5	26 46	(1139) 707	80 02	(47) 1611	Top
S.Gable of Ho.on Singer bridge.	26 46	(56) 1790	80 02	(423) 1235	
Beacon #12	26 47	(1750) 96	80 02	(422) 1235	Top
Beacon #10	26 47	(1386) 460	80 02	(459) 1198	"
Beacon #8	26 47	(761) 1085	80 02	(106) 1551	"
Beacon #6 A	26 47	(686) 1160	80 02	(62) 1595	"
Beacon #6	26 47	(599) 1247	80 02	(12) 1645	"
F.P. Kelsey City Park	26 47	(165) 1681	80 03	(1194) 463	"
Beacon #4	26 48	(1317) 529	80 02	(169) 1488	"
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	(Has been moved)
[illegible]y (Wrecked Ho.on Beach)	26 46	(511) 1335	80 02	(1527) 131	Center of roof
Ho	26 46	(170) 1676	80 02	(1570) 88	Banner Signal
Here	26 47	(1846) 1664 182	80 02	(1585) 72	NE Cor of Porch of S wing of Singer Hotel.
Tall-Highest pt on Singer Hotel.	26 47	(1621) 225	80 02	(1521) 136	Center of roof over Water tank.
Do	26 47	(1336) 510	80 02	(1528) 129	Center of roof, Wrecked Ho on Beach.
Ish	26 47	(679) 1167	80 01	(67) 1590	Ban on wooden platfrm
Fin	26 47	(17) 1829	80 01	(77) 1580	Ban sig
Most	26 48	(1524) 322	80 01	(23) 1634	Ban sig

III. Sheet A. PLANE TABLE POSITIONS

Object & Description	Lat.	D.M.	Long.	D.P.	Remarks.
Al	26° 48'	(830) 1016	80° 02'	(1543) 114	Flag sig
Are	26 48	(572) 1274	80 02	(1481) 176	Ban sig
[redacted]	26 48	(5) 1841	80 02	(1311) 346	Ban sig
Now	26 49	(1109) 737	80 02	(1107) 550	Ban sig
[redacted]	26 49	(318) 1528	80 02	(981) 676	Ban sig
Yea	26 50	(1345) 501	80 02	(779) 977	Ban sig
Xi	26 50	(1060) 786	80 02	(705) 952	Tripod sig
Big	26 51	(1745) 101	80 02	(461) 1195	Tripod sig with Ban
Wag	26 51	(1454) 392	80 02	(421) 1235	Tripod sig
Van	26 51	(1188) 658	80 02	(391) 1265	Ban sig
Ugh	26 51	(419) 1427	80 02	(216) 1414	Ban sig
Tap	26 52	(1471) 375	80 02	(14) 1642	Ban sig
Rot	26 52	(837) 1009	80 03	(1488) 168	Ban sig
Qua	26 52	(683) 1163	80 03	(1423) 233	Top of Sign post
Pot	26 52	(195) 1651	80 03	(1256) 400	" " " "
Oil	26 52	(4) 1842	80 03	(1207) 449	Bansig on Tel.pole
Red	26 53	(1720) 126	80 03	(1172) 484	Center of red sign
Nil	26 53	(1550) 296	80 03	(1113) 543	Bansig on Tel.Pole
[redacted]	26 53	(1236) 610	80 03	(1028) 628	E end of Sign.
Low	26 53	(836) 1010	80 03	(933) 723	bansig on tel.pole.
Kim	26 53	(522) 1324	80 03	(865) 791	bansig on tel.pole.
Tow	26 53	(397) 1449	80 03	(426) 1230	Top of steel tower.
Jug	26 54	(1552) 294	80 03	(639) 1017	bansig on tel.pole
Inn	26 54	(1392) 454	80 03	(591) 1065	Top,diamondshaped signboard.
Hit	26 54	(1151) 695	80 03	(498) 1158	
Gun	26 54	(720) 1126	80 03	(367) 1289	Top

IV. Sheet A. & B. PLANE TABLE POSITIONS

Object & Description	Lat.	D.M.	Long.	D.P.	Remarks.
Yel	26° 54'	(227) 1619	80° 03'	(233) 1423	Top yellow sign
Fay	26 55	26	80 03	(213) 1443	Bansig
Fay	26 55	624	80 03	(18) 1638	Bansig
Frame	26 56	(1708) 139	80 04	(1381) 274	Tranverse frame of Wreck on Beach.
Shack	26 56	(1306) 541	80 04	(1248) 407	Telephone pole
Black Black	26 56	(758) 1089	80 04	(1101) 554	Pole sig
Pump	26 56	(695) 1152	80 04	(650) 1005	Gasoline pump
nPile	26 56	(638) 1209	80 04	(1241) 414	Pile at end of wharf
Sig Sig	26 56	(521) 1326	80 04	(229) 1426	Signal wooden boards
Draw Draw	26 56	(332) 1514	80 05	(1460) 195	Top of small house on drawbridge.
Less	26 56	(184) 1663	80 05	(1596) 69 48	Top of radio tower △ Determined
Ban	26 56	(307) 1540	80 04	(267) 1388	Ban sig in tree
Tree Tree	26 56	(528) 1319	80 04	(1620) 35 861	Cloth on tree
Gab Gab	26 56	(511) 1336	80 04	(1069) 586	E Gable of shack
Turn	26 57	(1832) 15	80 04	(885) 770	Ban sig
High square bldg on beach	27 00	(1196) 651	80 05	(888) 766	Center of roof
Beach Ho with Palm Leaves on Roof.	27 00	(661) 1186	80 05	(781) 873	Center of roof
Beach hut	27 01	(1777) 70	80 05	(570) 1084	Center of roof

Above plane table signals not marked, but used in connection with photo-control surveys & hydrographic work. Permanently marked stations established by Coast & Triangulation

Form 567

DIVISION OF CHARTS, FILE NO._____

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

West Palm Beach, Florida

June 1st, 1929

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.

Jack Senior

Jack Senior, Chief of Party.

DESCRIPTION	POSITION						Datum	METHOD OF DETERMINATION	CHARTS AFFECTED
	Latitude			Longitude					
	° ′	D. M. meters		° ′	D. P. Meters				
* Breakers Hotel Flagpole S	26 42	(238) 1608		80 02	(1541) 117			Topo	1248, 1112
* " " " " N	26 42	(171) 1675		80 02	(1540) 118			"	" "
Water Tank, Palm Beach	26 43	(1675) 171		80 02	(864) 794			"	" "
Alba Hotel, S Cupola	26 43	(1494) 352		80 02	(810) 848			"	" "
" " N "	26 43	(1433) 413		80 02	(817) 841			"	" "
(Center of roof over Water Tank) Tall-Highest pt on Singer Hotel.	26 47	(1621) 225		80 02	(1521) 136		see letter 398-1935	"	846 " "
Kelsey City Water Tank ✓	26 48	(1618.2) 28.2		80 04	(534.3) 1122.9			Triang.	" "
Hobe Sound Water Tank ✓	27 03	(1625.0) 221.7		80 07	(844.3) 809.2			Triang.	163, "
* on S & W cupolas									
Club Tank, Water Seminole Golf	26 51	(14.4) 1832.1		80 03	(1246.7) 409.6			Triang	1248, 1112

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.

GOVERNMENT PRINTING OFFICE

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
Form No. 613

Sheet #1

PLANE-COORDINATE POSITION COMPUTATION, TRAVERSE

	STATION	AZIMUTH AND ANGLE	BEARING	DISTANCE	LATITUDE (north +, south −)		LATITUDE	DEPARTURE (east −, west +)		LONGITUDE
		° ′ ″		Meters	Meters	Seconds	° ′ ″	Meters	Seconds	° ′ ″
A	Hotel-Palm	171 02 28.8	2.851 281 9.249 393 2.801 888 9.993 042				26 47 09.246 [307.9 (938.7)]			80 02 − 04.006 1654.7 (2.8)
	Hotel − A	190 13 43.7	2.794 930	633.708	623.63N	20.3	26 47 29.5	112.53E	04.1	01 − 59.9
B	A	180 186 15 30.8	2.186 792 9.453 018 2.733 774 9.981 765				1428.0 (418.6)			1500.0 (157.5)
	A − B	196 29 14.5	2.715 539	541.719	519.44N	16.9	26 47 46.4	153.74E	05.6	01 − 54.3
C	B	180 153 50 52.2	2.267 452 9.225 009 3.042 443 9.993 792				667.8 (1178.7)			27.6 (1629.8)
	B − C	170 20 06.7	3.036 234	1102.554	1087.01N	35.3	26 48 21.7	185.12W	06.7	02 − 01.0
D	C	180 176 59 53.9	2.306 033 9.340 991 2.965 042 9.989 300				1560.5 (280.1)			229.3 (1428.2)
	C − D	167 20 00.6	2.954 342	922.661	900.21N	29.3	26 48 50.9	202.32W	07.3	02 − 08.3
E	D	180 174 41 22.6	2.418 850 9.489 443 2.929 407 9.978 263				529.3 (1217.2)			491.7 (1165.8)
	D − E	162 01 23.2	2.907 670	849.977	808.49N	26.3	26 48 17.2	262.33W	09.5	02 − 17.8
BANK	E	180 86 11 11.7	1.485 488 9.967 804 1.517 684 1.369 621				517.0 (1329.5)			522.1 (1135.4)
	E − Bank	68 12 34.9	1.087 305	32.937	12.235	0.4	26 49 16.8	30.58W	01.1	02 − 18.9
F	E	180 190 26 34.7	1.804 229 9.117 646 2.686 583 9.996 734				1012.5 (834.0)			555.2 (1102.2)
	E − F	172 27 57.9	2.682 817	845.940	481.75N	15.7	26 49 32.9	63.71W	02.3	02 − 20.1
G	F	180 176 25 53.9	2.224 693 9.284 567 2.940 026 9.981 795				21.5 (1824.9)			723.7 (933.7)
	F − G	168 53 51.8	2.931 821	871.016	854.71N	27.8	26 50 00.7	167.72W	06.1	02 − 26.2
H	G	180 176 50 08.2	2.513 974 9.391 703 3.122 171 9.986 395				1309.9 (541.7)			1049.7 (607.6)
	G − H	165 44 00.0	3.108 666	1325.171	1284.30N	41.7	26 50 42.4	326.57W	11.8	02 − 38.0
I	H	180 184 48 47.7	2.432 055 9.215 494 3.216 561 9.984 062				1083.3 (763.2)			1320.5 (337.0)
	H − I	170 32 47.7	2.210 623	1646.498	1624.14N	52.8	26 51 35.2	270.43W	09.8	02 − 47.8
PALM	I	180 174 04 21.7	2.262 069 9.423 618 2.038 451 9.984 161				1748.0 (98.5)			1602.8 (154.7)
	I − Palm	164 37 10.4	2.822 612	688.881	664.68N	21.6	26 51 56.8	182.84W	06.6	02 − 54.4

Comp by W.J.C
✓ by J.C.B
copy " W.J.C & R.A.

Note:- To accompany topo. & hydro. sheets Palm Beach to Jupiter Inlet, Fla.

11—7702

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
Form No. 613

Sheet #2

PLANE-COORDINATE POSITION COMPUTATION, TRAVERSE

	STATION	AZIMUTH AND ANGLE	BEARING	DISTANCE	LATITUDE (north +, south −)		LATITUDE	DEPARTURE (east −, west +)		LONGITUDE
		° ′ ″		Meters	Meters	Seconds	° ′ ″	Meters	Seconds	° ′ ″
	Palm - Road	164 00 48.1	2.210 717			Palm	26 51 54.7			80 02 54.5
A			9.398 517				689.4			52.5
	Palm	1 29 22.0	2.912 200				(1157.2)			(1605.0)
			9.985 947							
	Palm - A	165 30 10.1	2.898 147	816.958	790.95 N	25.7	52 22.4	204.51 W	07.4	63 01.9
		180	2.781 626							
			9.473 218				784.8			657.4
B	A	177 12 01.7	3.308 308				(1061.8)			(1000.0)
			9.979 903							
	A - B	162 42 42.8	3.288 211	2033.798	1941.83 N	63.1	53 25.5	604.68 W	21.9	03 23.8
		180	2.356 946							
R			9.395 278				1668.0			883.9
O	B	182 54 33.5	2.960 168				(178.5)			(778.4)
A			9.986 162							
D	B - Road	165 36 46.3	2.946 330	912.364	883.75 N	28.7	53 54.2	226.70 W	08.2	03 32.0
	Road - Bend	163 57 26.2	2.606 489			Road	26 53 54.2			80 03 32.1
			9.893 137				1406.4			1290.1
A	Road	01 43 40.3	3.213 361				(640.1)			(367.4)
			9.986 307							
	Road - A	165 41 06.5	3.199 654	1634.376	1583.63 N	51.5	54 46.7	404.10 W	14.6	03 46.7
		180	2.755 824							
B			9.478 916				1363.6			204.4
E	A	176 46 56.0	3.276 098				(483.2)			(1453.0)
N			9.979 241							
D	A - Bend	162 28 02.5	3.256 239	1891.900	1804.01 N	58.6	55 44.3	569.93 W	20.7	04 07.4

Comp by W.J.C
Ck " I.R.R
Copy " W.J.C

11—7702

Form 537a
11—6818

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 4457b

TOPOGRAPHIC TITLE SHEET

Photo. Control Sheet
(In pencil only)

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. #A

REGISTER NO. 4457b

State Florida

General locality East Coast ~~Florida~~

Locality Palm Beach to Jupiter Inlet

Scale 1:20,000 Date of survey Jan. to March, 1929

Vessel NATOMA

Chief of Party Jack Senior

Surveyed by Walter J. Chovan

Inked by - - -

Heights in feet above - - - to ground to tops of trees

Contour, Approximate contour, Form line interval - - feet

Instructions dated January 7th, 1929

Remarks:

GPO