

SEP 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY • NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682

STATION 1001

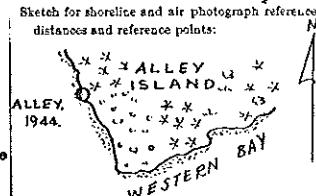
LATITUDE $44^{\circ}00'$ TO $44^{\circ}30'$
LONGITUDE $68^{\circ}00'$ TO $68^{\circ}30'$
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
Form 521
Rev. May 1954

DESCRIPTION OF RECOVERABLE TOPOGRAPHIC STATION

Name ALLEY Year 1944
General locality Blue Hill Bay Sheet No. T-8566
Locality Western Bay Datum N.A. 1927
Chief of party Fred. L. Peacock
Listed by Leo J. Kornetsky
Checked by Ruth E. Rudolph
Appropriate elevation above high-water mark 3 feet.
Location method: Prism staff, transit, Theodolite, Air photograph
Detailed description: Station is located on the western side of Alley Island, which is on the northern side of Western Bay in upper Blue Hill Bay, about 250 meters north of the southwestern tip of Alley Island, 15 meters north of the northern end of a gravel beach, 10 meters back of the Mean High Water Line, 7 meters south of northeast of flat ledge rock that drops off about 3 feet, 9 meters southwest of end of old stone fence, and about 50 meters north of northern edge of cleared area or southern end of Island. Standard disc stamped "ALLEY 1944", set in flat ledge rock.



Object	SHORELINE REFERENCE DISTANCES			Object	REFERENCE POINTS IDENTIFIABLE ON AIR PHOTOGRAPHS		
	Distance	Direction	Azimuth		Distance	Direction	Azimuth
Mean High Water Line	10	00° 00' west					

52-11069-2 679

ALLEY (Hancock County, Maine, F.L.P., 1944; I.R.R., 1956)
The station was recovered in good condition. The original description is adequate and complete. It is marked by a topographic disk, stamped "ALLEY 1944."

NAME OF STATION: ALLEY

STATE: MAINE

YEAR: 1944

THIRD

-ORDER

SOURCE: G- 6853

GEOGRAPHIC LATITUDE: $44^{\circ}24'19.115$	SEALING:	1 METERS
GEOGRAPHIC LONGITUDE: $68^{\circ}23'33.664$		FEET

STATE COORDINATES (Feet)

STATE & ZONE	CODE	X	Y	PLANE ANGLE*
ME E	1801	528,044.42	208,508.57	+ 0° 04' 30"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\theta = \text{CR}(\Delta \alpha)$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE
	0° 0' *	0° 0' *	

52 354

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NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1002
MAINE
LATITUDE $44^{\circ}30'$ TO $44^{\circ}30'$
LONGITUDE $68^{\circ}00'$ TO $68^{\circ}30'$
DIAGRAM NL 19-11 BANGOR

NO ORIGINAL TEXT

ASH (Hancock County, Maine, F.P.W., 1860; 1902)--On the summit of a hill on the eastern side of Frenchman Bay, about 1/2 mile SE of Hammond Cove at the head of Stave Island Harbor, and about 1 1/2 miles NW of Winter Harbor. The road from Winter Harbor to W Goldsboro passes about 1/4 mile to the westward of the station. The latter is a hole drilled in a rock.

ASH (Hancock County, Maine, F.P.W., 1860; Maine Geod.S., 1930)--I went to this station on August 28, 1930 and found an old and weathered signal structure over it. The foot of the center post was rotted, so that the drill hole could be seen and it appeared to be in good condition. The hill is densely wooded, with practically no view in any direction.

ASH (Hancock County, Maine, F.P.W., 1860; K.G.C., 1934)--Station was recovered as described. It is on a hill 5 1/2 miles ENE of Bar Harbor and 1 1/2 miles NW of Winter Harbor.

Station and reference marks are standard bronze disks wedged in drill holes in outcropping bedrock.

The station mark is 16 feet N of a 1 1/2 sheer face of the southern end of a 30-foot square ledge which slopes sharply to the N. It is 3 feet N of the S side of its own ledge and 0.4 foot S of a wide crack in the ledge.

Reference mark No.1 is 30.80 feet N of the station in the 30-foot square ledge. It is 2.3 feet NE of the N edge of the rough gutter that runs NW in ledge at its summit.

Reference mark No.2 is 25.08 feet W of the station and 3 feet NW of a straight 2 1/2-foot edge in rock with a 6-inch sheer face. It is 32 feet SW of the southern end of the 30-foot square ledge.

At the westerly junction of Highways 1 and 186, follow Highway 186 S 5.4 miles to telephone pole No.214 and take old wagon road right about 1/4 mile to about 50 yards beyond summit of road. From here continue in a southerly direction to summit of hill and station.

A 30-foot signal was used.

OBJECT	DISTANCE	DIRECTION
CALF	meters	$0^{\circ}00'03''$
R.M.No.1	9.389	38 40 17
R.M.No.2	7.644	305 23 23
R.M.No.1 to R.M.No.2	12.442	

ASH (Hancock County, Maine, F.P.W., 1860; F.L.P., 1944)

Station and reference marks recovered in good condition as described by K.G.C. in 1934. Distances to reference marks were checked. The 30-foot signal still stands in fair condition over the station.

ADJUSTED HORIZONTAL CONTROL DATA

ASH

NAME OF STATION:

STATE: MAINE YEAR: 1860 ORDER:

G- 6053

SOURCE:

GEOGRAPHIC LATITUDE: $44^{\circ}24'37.660$	SIGHTED	88 METERS
GEOGRAPHIC LONGITUDE: $68^{\circ}05'55.675$		FEET

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	$\delta \text{ C.R.A. } \Delta \text{ ANGLE } ^{\circ}$
ME E	1801	604,835.44	210,624.87	$+ 0^{\circ}16'51''$

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\delta \text{ C.R.A. } \Delta$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH (From south)	CODE
CALF	$143^{\circ}17'28.0$	$143^{\circ}00'37$	1801

51 273

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 NATIONAL OCEAN SURVEY • NATIONAL GEOGRAPHIC SURVEY

HORIZONTAL CONTROL DATA

by the
 National Ocean Survey
 NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1003
 MAINE
 LATITUDE 44° 00' TO 44° 30'
 LONGITUDE 68° 00' TO 68° 30'
 DIAGRAM NL 19-11 BANGOR

NO ORIGINAL TEXT

BAKER ISLAND LIGHTHOUSE (Hancock County, Maine, S.C. McC., 1861; K.G.C., 1934) -- The station was recovered and its position checked by observations. This was one of the main second-order points in the 1934 scheme.

It is a white cylindrical stone tower near the center of Baker Island S of Mount Desert Island.

BAKER ISLAND LIGHTHOUSE (Hancock County, Maine, S.C. McC., 1861; D.F.R., 1952) -- The station was recovered as described. A dirt road leads up to the lighthouse from the Coast Guard marine way on the NE side of the island.

BAKER ISLAND LIGHTHOUSE (Hancock County, Maine, S.C. McC., 1861; J.C.E., 1956) -- The station and reference marks were recovered in good condition. The 1934 description by K.G.C. is adequate and complete.

ADJUSTED HORIZONTAL CONTROL DATA

BAKER ISLAND LIGHTHOUSE

NAME OF STATION:	MAINE	YEAR:	1861	SECOND ORDER
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SOURCE: G- 6053

GEOGRAPHIC LATITUDE: 68° 11' 58.400	ELEVATION: 37 METERS FEET
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STATE COORDINATES (Fres)				
STATE & ZONE	CODE	X	Y	θ ICRΔ BI ANGLE*
ME E	1801	578,733.43	148,786.25	+ 0° 12' 35"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ ICRΔ BI FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE
	0° 7'	0° 7'	

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U.S. DEPARTMENT OF COMMERCE
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NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1004
MAINE LATITUDE $44^{\circ} 00'$ TO $44^{\circ} 30'$
LONGITUDE $68^{\circ} 00'$ TO $68^{\circ} 30'$
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
Form 824
24-1,200-15A

DESCRIPTION OF RECOVERABLE TOPOGRAPHIC

Name BALD Year 1944
General locality Mt. Desert Island Sheet No. T-8583

Locality Frenchman Bay Datum N. A. 1927

Chief of party Fred. L. Peacock

Checked by John M. Reinoldi

Checked by Harry H. Rudolph

Approximate elevation above high-water mark 20 feet

Location method: ~~Surveyor's Stadia~~, Theodolite, ~~Altimeter~~, ~~Photograph~~

Detailed description: Station is about 3 meters northwest of the highest part of Bald Rock, which is about 1 mile north of Bar Harbor, 11.8 meters from top edge of cliff to S.E., and 7.3 meters from edge of cliff in line with center part of Stave Island. Marked by a standard topographic disc stamped "Bald, 1944".

Sketch for shoreline and air photograph reference distances and reference points:



SHORELINE REFERENCE DISTANCES

Object	Distance in meters	Direction	Azimuth
	00° 00'		

REFERENCE POINTS IDENTIFIABLE ON AIR PHOTOGRAPHS

Object	Distance in meters	Direction	Azimuth
	00° 00'		

Distances must be horizontal distances actually measured on the ground—not scaled.

Above distances measured by:

REFERENCES: Topographic Manual, paragraphs 10c, 20, 30, 37, and page 58; Hydrographic Manual, IML.

15-21062-2 GPO

NAME OF STATION: BALD

STATE: MAINE

YEAR: 1944

THIRD

ORDER

SOURCE: G- 6939

GEOGRAPHIC LATITUDE: 44° 25' 13.038	ELEVATION: 1 METERS
GEOGRAPHIC LONGITUDE: 68° 12' 41.490	FEET

STATE COORDINATES (FCC)

STATE & ZONE	CODE	X	Y	θ ICRΔ BIANGLE*
ME E	1801	575,366.98	214,083.10	+ 0° 12' 07"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\theta ICR\Delta$ BI FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE
	0° 0' 0"	0° 0' 0"	

52 368

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HORIZONTAL CONTROL DATA

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QUAD 440682 STATION 1005
MAINE LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

BAR ISLAND 2 (Hancock County, Maine, K.G.C., 1934)--This station is on the E end of the ridge on the S end of Bar Island, which lies in Blue Hill Bay about 8 miles WSW of Northeast Harbor. The station is not on the highest point, but 3 or 4 feet under it in elevation and somewhat N of it. The station is on a large boulder, the top of which is above the ground and is somewhat triangular in shape, and about 2 1/2 feet on the side.

Station and reference marks are standard bronze disks set in concrete in depressions in boulders.

Reference mark No.1 is N of the station. Reference mark No.2 is E of the station. Both are on almost wholly buried boulders.

OBJECT	DISTANCE	DIRECTION
HOPKINS	meters	0°00'00"
R.M.No.1	8.146	24 51 41
R.M.No.2	10.708	120 23 14
R.M.No.1 to R.M.No.2	14.063	

BAR_ISLAND_2 (Hancock County, Maine, K.G.O., 1934; F.L.P., 1944)
Station recovered in good condition as described by K.G.C. in 1934.

BAR ISLAND 2

NAME OF STATION: BAR ISLAND 2 STATE: MAINE YEAR: 1934 ORDER: -

SOURCE: G- 6053

GEOGRAPHIC LATITUDE:	44° 15' 20.903	ELEVATION:	12	METERS
GEOGRAPHIC LONGITUDE:	68° 27' 28.144	SCALED		FEET

STATE COORDINATES (FMS)				
STATE & ZONE	CODE	X	Y	θ IORΔ GRADLE*
ME E	1801	511,051.38	153,995.77	+ 0° 01' 46"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ IORΔ GRADLE FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From zenith)	PLANE AZIMUTH* (From zenith)	CODE
HOPKINS	162 04 09.2	162 02 23	1801

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QUAD 440682 STATION 1006
 MAINE
 LATITUDE $44^{\circ}00'$ TO $44^{\circ}30'$
 LONGITUDE $68^{\circ}00'$ TO $68^{\circ}30'$
 DIAGRAM NL 19-11 BANGOR

NO ORIGINAL TEXT

BAR HARBOR CHURCH (Hancock County, Maine, F.P.W., 1860; F.L.P.,
 1944) (--This station is lost.

RECOVERY NOTE, TRIANGULATION STATION

NAME OF STATION: Bar Harbor Church
 ESTABLISHED BY: F.P.W. YEAR: 1860 STATE: Maine BENCHMARK(S) ALSO
 RECOVERED BY: L.F. Smith YEAR: 1970 COUNTY: Hancock
 AIRLINE DISTANCE AND DIRECTION FROM NEAREST TOWN: In Bar Harbor

Detailed statement as to the fitness of the original description; including marks found, stampings, changes made, and other pertinent facts:

A record book at the Bar Harbor Fire Station shows that the old church burned down on Feb. 1942. A new church was later built on the same plot of ground, and observations made on the steeple of this new church in November, 1970 from CADILLAC GROUNDS and SCHOODIC RM 3 indicate that it is at nearly the same position as the old steeple. At CADILLAC GROUND the new observation of the angle from Schoodic Mtn. Fire Tower 1934 to the steeple is 13 seconds lower than the published angle; at SCHOODIC RM 3 the new observation on the angle from Schoodic Mtn. Fire Tower 1934 to the steeple is 24 seconds lower than the published angle.

New Church Steeple is a sharp, green spire, on south end of the Bar Harbor Congregational Church, located in the northwest angle of the intersection of Kennebec St. and Mt. Desert St. in Bar Harbor.

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ADJUSTED HORIZONTAL CONTROL DATA

NAME OF STATION: BAR HARBOR CHURCH

STATE: MAINE YEAR: 1860 THIRD ORDER

G- 6793
 NO OBSERVATION CHECK ON THIS POSITION

GEODETIC LATITUDE: GEOGRAPHIC LONGITUDE:	44°23'14.00 68 12 24.33	ELEVATION:	METERS FEET
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STATE COORDINATES (FNN)				
STATE & ZONE	CODE	X	Y	ZIONΔ GI ANGLE [*]
ME E	1801	576,655.48	202,034.04	+ 0°12'18"

^{*} PLANE AZIMUTH HAS BEEN COMPUTED BY THE ZIONΔ GI FORMULA AND SELECTING THE SECOND TERM.

TO STATION OR OBJECT	GEODETIC AZIMUTH (From south)	PLANE AZIMUTH [*] (From south)	CODE

52 010

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QUAD 440682 STATION 1007
MAINE
LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

BARTLETT (Hancock County, Maine, G.A.F., 1863)--On the eastern side of Bartlett Island about 1/4 mile WNW from the head of Great Cove and about 1 1/2 miles from the northern extremity of the island.

Two large flat ledges of granite crop out at the summit of the hill and the station is on the highest and most northerly of these. It runs nearly level for about 16 yards and then drops abruptly. The house of David Bartlett is about 300 yards to the NW on a road leading toward North Point.

The station is marked by a copper bolt set in a hole in a rock.

BARTLETT (Hancock County, Maine, G.A.F., 1863; K.G.C., 1934)-- Station recovered as described. It is on the eastern side of Bartlett Island, in Blue Hill Bay, about 1/4 mile WNW of the head of Great Cove, and about 1 1/2 miles from the northern point of the island. Two large flat ledges of granite crop out on the summit of the hill, the station being on the most northerly and highest of these. The ledge here runs nearly level for about 16 yards then drops off abruptly. The station is marked with a copper bolt set in a hole in the rock.

Two reference marks, standard bronze disks wedged in drill holes in outcropping bedrock, were placed as follows: Reference mark No.1 being E of the station on the flat-topped ledge, and No.2 being SE of the station.

The station may easiest be reached by landing in the cove just S of Great Cove and following the road there to the top of the hill to its junction with another road. Follow this road N about 500 yards to the top of the hill and turn right onto a woods road. Follow this road, keeping left at all doubtful points, about 600 yards to a pile of rocks and a blazed pine on the left. At this point a trail leads up the hill, past the southerly flat ledge to the station.

A 40-foot signal was built in 1934 and anchored with stones. Stones were also piled over the station mark.

OBJECT	DISTANCE	DIRECTION
CARTER	meters feet	0°00'00"0
R.M.No.1	12,228 40.12	179 27 48
R.M.No.2	12,308 40.38	257 24 28
R.M.No.1 to R.M.No.2	15,422 50.60	

BARTLETT (Hancock County, Maine, G.A.F., 1863; I.R.R., 1956) -- The station mark and reference marks 1 and 2 were recovered in good condition. The distances to the reference marks and between the marks were verified. The 1934 recovery note by K.G.C. is adequate with the following additions:

The reference marks are stamped:
"BARTLETT 1863 1934 NO 1."
"BARTLETT 1863 1934 NO 2."

NAME OF STATION: BARTLETT

STATE: MAINE

YEAR: 1863

SECOND

—ORDER

SOURCE: G- 6053

GEODETIC LATITUDE:	44° 21' 15.753	SCALE:	85	METERS
GEODETIC LONGITUDE:	68° 25' 53.912			FEET

STATE COORDINATES (E/F)				
STATE & ZONE	CODE	X	Y	θ IORA ANGLE *
ME E	1801	517,879.20	189,930.96	+ 0° 02' 52"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ IORA Δ φ FORMULA, NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEODETIC AZIMUTH (From south)	PLANE AZIMUTH * (From south)	CODE
CARTER	86 47 17.8	86 44 26	1801

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QUAD 440682 STATION 1008
 LATITUDE $44^{\circ}00'$ TO $44^{\circ}30'$
 LONGITUDE $68^{\circ}00'$ TO $68^{\circ}30'$
 DIAGRAM NL 19-11 BANGOR

NO ORIGINAL TEXT

BASS HARBOR (Hancock County, Maine, G.A.F., 1863; 1902) -- On a hill on Bass Harbor Head, Mount Desert Island, about 300 meters NE of the lighthouse.

The summit of the hill is bare and rocky and the station is a copper bolt set in a hole in a rock.

BASS HARBOR (Hancock County, Maine, G.A.F., 1863; K.G.C., 1934) -- On Bass Harbor Head which lies in the most southerly tip of Mount Desert Island and which lies between Bass Harbor and Ship Harbor.

The station is in a cleared area, surrounded by trees and about 1/4 mile N of Bass Harbor Head Lighthouse.

The station and reference marks are standard bronze disks wedged in drill holes in outcropping bedrock. The reference marks were established in bare ledge.

To reach from Southwest Harbor, go S on Highway 102 about 2 miles and turn left at sign "McKinley 1 mile." Follow 0.8 mile and keep left fork; continue 0.7 mile and keep straight ahead on dirt road where main road turns left. Follow 0.5 mile to a triangular blaze on left and follow cleared trail E 0.1 mile to station.

A 30-foot tripod and scaffold was erected over the station in 1934.

OBJECT	DISTANCE	DIRECTION
	meters	
R.M.No.1	12.543	$0^{\circ}00'00''$
R.M.No.2	12.680	$84^{\circ}07'10''$
R.M.No.1 to R.M.No.2	16.902	

BASS HARBOR (Hancock County, Maine, G.A.F., 1863; F.L.P., 1944)
 Station and reference marks recovered in good condition as described by K.G.C. in 1934.

ADJUSTED HORIZONTAL CONTROL DATA

BASS HARBOR

NAME OF STATION: MAINE YEAR: 1863 ORDER:

G- 6053

SOURCE:	44°13'27.558 68 20 07.888	SCALED: 37	METERS FEET
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STATE COORDINATES (Feet)

STATE & ZONE	CODE	X	Y	PLANE AZIMUTH*
ME E	1801	543,114.15	142,559.40	$\pm 0^{\circ}06'53''$

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\beta \text{ IOR} \Delta \text{ S}$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE
	0° 7' *	0° 7' *	

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HORIZONTAL CONTROL DATA

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National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1009
MAINE
LATITUDE $44^{\circ}00'$ TO $44^{\circ}30'$
LONGITUDE $68^{\circ}00'$ TO $68^{\circ}30'$
DIAGRAM NL 19-11 BANGOR

NO ORIGINAL TEXT

BASS HARBOR HEAD LIGHTHOUSE (Hancock County, Maine, S.C.McC, 1861; K.G.C., 1934)--The lighthouse on the southernmost point of Mount Desert Island. According to the lightkeeper and the light list the light has remained unchanged since it was constructed in 1868. It is a white tower connected to a house.

BASS HARBOR HEAD LIGHTHOUSE (Hancock County, Maine, S.C.McC, 1861; F.L.P., 1944). Station recovered in good condition as described by K.G.C. in 1934. According to information obtained from the Light List and Lightkeeper, the lighthouse has not been changed since it was built.

BASS HARBOR HEAD LIGHTHOUSE (Hancock County, Maine, S.C.McC, 1861; D.F.R., 1953). Station was recovered. Description is adequate. Light is unchanged. Station is easily reached by a good road from McKinley.

ADJUSTED HORIZONTAL CONTROL DATA

BASS HARBOR HEAD LIGHTHOUSE

STATE: MAINE YEAR: 1861 THIRD ORDER

SOURCE: G- 6793

GEOGRAPHIC LATITUDE:	$44^{\circ}13'18.785$	ELEVATION:	METERS
GEOGRAPHIC LONGITUDE:	$68^{\circ}20'16.166$	FEET	

STATE COORDINATES (Ref)				
STATE & ZONE	CODE	X	Y	$\theta - \text{OR} \Delta \text{ azi angle}$ *
ME E	1801	542,513.15	141,669.90	+ $0^{\circ}06'47''$

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\theta - \text{OR} \Delta \text{ azi}$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE

SEP 1977

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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEOGRAPHIC SURVEY

HORIZONTAL CONTROL DATA

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National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1010
MAINE LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

NO ORIGINAL TEXT

BEAR ISLAND LIGHTHOUSE (Hancock County, Maine, 1902; K.G.C., 1934)--Station recovered. It is SE of the entrance to Northeast Harbor and has a white cylindrical tower. Its position was redetermined by the 1934 observations.

BEAR ISLAND LIGHTHOUSE (Hancock County, Maine, F.D.G., 1902; D.F.R., 1953)--Station recovered in good condition.

ADJUSTED HORIZONTAL CONTROL DATA

NAME OF STATION:

BEAR ISLAND LIGHTHOUSE

STATE:

MAINE YEAR: 1902 THIRD

-ORDER

SOURCE: G- 6793

GEOGRAPHIC LATITUDE: 44° 16' 59.996	ELEVATION: METERS
GEOGRAPHIC LONGITUDE: 68° 16' 13.751	FEET

STATE COORDINATES (Fwd)				
STATE & ZONE	CODE	X	Y	PLANE AZIMUTH [*]
ME E	1801	563,102.52	164,110.64	+ 0° 09' 37"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE BIDRΔ BI FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH [*] (From south)	CODE
	0° 0' *	0° 0' *	

52 111

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1011
MAINE LATITUDE $44^{\circ} 00'$ TO $44^{\circ} 30'$
LONGITUDE $68^{\circ} 00'$ TO $68^{\circ} 30'$
DIAGRAM NL 19-11 BANGOR

NO ORIGINAL TEXT

DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY
FEB. 1956

Name BEEN Year 1944
General locality Swan Island, Maine Sheet No. T-8570
Locality North Point Datum N.A. 1927

Chief party Fred. L. Peacock
Executor by Abraham L. Goncharuk, Jr.

Checked by Walter E. Schmidt Long.

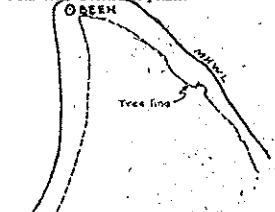
Approximate elevation above high-water mark 2 feet

Location method: Theodolite, Amphotograph, planimetry

Detailed description: Station is located on the extreme tip of North Point which is located on the northern side of Swan Island, 12 meters northwest of tree line and 4 meters back of M.H.W.L. Standard Topographic disk stamped "BEEN 1944".

Object	SHORELINE REFERENCE DISTANCES			Object	REFERENCE POINTS IDENTIFIABLE ON AIR PHOTOGRAPHS		
	Distance in meters	Direction $00^{\circ} 00'$	Azimuth		Distance in meters	Direction $00^{\circ} 00'$	Azimuth
M.H.W.L.	4	North					

Sketch for shoreline and air photograph reference distances and reference points:



ADJUSTED HORIZONTAL CONTROL DATA

BEEN

STATE: MAINE

YEAR: 1944

THIRD

-ORDER

SOURCE: G- 8790

GEOGRAPHIC LATITUDE: $44^{\circ} 11' 26.7'' N$	ELEVATION: SCALED
GEOGRAPHIC LONGITUDE: $68^{\circ} 25' 32.3'' W$	6 METERS FEET

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	$\delta \text{ azi } \Delta \text{ angle}^*$
ME E	1801	519,501.85	130,265.44	+ $0^{\circ} 03' 07''$

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\delta \text{ azi } \Delta \text{ angle}$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE

SEP 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY • NATIONAL GEODETIC SURVEY

HORIZONTAL CONT. JL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1012
MAINE
LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

BIRCH HARBOR, SHORT, WHITE CHURCH SPIRE (Hancock County, Maine, K.G.C., 1934)--The center of the short, white spire on the frame church on the N side of the road in Birch Harbor Village.

BIRCH HARBOR, SHORT, WHITE CHURCH SPIRE (Hancock County, Maine, K.G.C., 1934; F.L.P., 1944). The church has been destroyed and the station is lost.

U.S. DEPARTMENT OF COMMERCE - COAST AND GEODETIC SURVEY
RECOVERY NOTE, TRIANGULATION STATION

Form 526
(11-8-65)

NAME OF STATION: BIRCH HARBOR, SHORT WHITE CHURCH SPIRE
YEAR: 1934 STATE: Maine
ESTABLISHED BY: K.G.C.
RECOVERED BY: Carroll Merriam YEAR: 1959 COUNTY: Hancock

Detailed statement as to the fitness of the original description; including marks found, stampings, changes made, and other pertinent facts:
Letter of R. Carroll Merriam, Collaborator, Prospect Harbor, Maine, dated 5/23/59:

There appears to be confusion in the identity of two churches in Birch Harbor, one of which has been destroyed. The church described in 1934 as being on the north side of the highway, is apparently a Mormon Mission which fell into disuse, and has been destroyed as reported in 1944. However the plane coordinates for the church match perfectly with the existing church on the south side of the highway. The plane coordinates were used in extending a control net for the vicinity of Birch Harbor with excellent results so there is no doubt that the published coordinates apply to the existing structure. It should be noted further that the plotted position for this station is on the south rather than the north side of the highway as shown on T-8588.

QUAD 440682

R

RECOVERY NOTE, TRIANGULATION STATION
INTERSECTION

NAME OF STATION: BIRCH HARBOR, SHORT WHITE CHURCH SPIRE
YEAR: 1934 STATE: Maine BENCH MARK(S) ALSO
ESTABLISHED BY: K.G.C.
RECOVERED BY: N.C.S. YEAR: 1968 COUNTY: Hancock

AERLINE DISTANCE AND DIRECTION FROM NEAREST TOWN: At Birch Harbor.

Detailed statement as to the fitness of the original description; including marks found, stampings, changes made, and other pertinent facts:

Recovered in good condition as described, except that it is on the south side of State Highway 186 rather than the north side, and is 35 feet south of the center of the highway. (Spire is shown on Chart No. 306) Mr. Carroll F. Merriam states he has used the point for local control and found the published position correct.
(Old residents say it is the only church within memory at Birch Harbor.)

RECOVERY NOTE, TRIANGULATION STATION

NAME OF STATION: Birch Harbor, Short, White Church Spire
YEAR: 1934 STATE: Maine BENCH MARK(S) ALSO
ESTABLISHED BY: K.G.C.
RECOVERED BY: L.F. Smith YEAR: 1971 COUNTY: Hancock

AERLINE DISTANCE AND DIRECTION FROM NEAREST TOWN: At Birch Harbor

Detailed statement as to the fitness of the original description; including marks found, stampings, changes made, and other pertinent facts:

Station was recovered. Observations made on the spire from SCHOODIC 1860 check the old azimuth by 7.7 seconds. Mr. C.F. Merriam, of Prospect Harbor, who has spent a number of years in establishing a network of control survey in the area, has also confirmed the position of the spire from some of his points. The church which was burned down was located about 300 yards eastward from this church.

Station is located in Birch Harbor, about 100 yards west along State Highway 186 from the post office at Birch Harbor, and on south side of the highway. Station is a sharp spire, on a square, white cupola, over entrance at north end of the church, which is a small, white, rectangular, wooden structure. Top of spire is about 40 feet above ground.

ADJUSTED HORIZONTAL CONTROL DATA

BIRCH HARBOR SHORT WHITE CH

NAME OF STATION: MAINE YEAR: 1934 THIRD ORDER

SOURCE: G- 6793
NO OBSERVATION CHECK ON THIS POSITION

GEOGRAPHIC LATITUDE:	44° 23' 22.44"	ELEVATION:	METERS
GEOGRAPHIC LONGITUDE:	68° 02' 30.00"	FEET	

STATE COORDINATES (FATH)				
STATE & ZONE	CODE	X	Y	θ (OR Δ φ) ANGLE *
ME E	1801	619,806.87	203,086.65	± 0°19'14"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ (OR Δ φ) FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH * (From south)	CODE
	° ′ ″	° ′ ″	

51 435

SEP 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682

STATION 1013

MAINE
LATITUDE $44^{\circ} 00'$ TO $44^{\circ} 30'$
LONGITUDE $68^{\circ} 00'$ TO $68^{\circ} 30'$
DIAGRAM NL 19-11 BANGOR

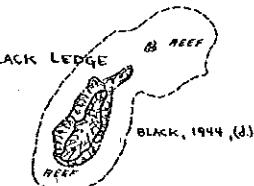
ADJUSTED HORIZONTAL CONTROL DATA

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
Form 824
Rev. May 1954

DESCRIPTION OF RECOVERABLE TOPOGRAPHIC STATION 1008

Name BLACK Year 1944
General locality Jericho Bay, Maine Sheet No. T-8554
Locality Marshall Island Datum N. A. 1927
Chief of party Fred. L. Peacock
Measured by Florence M. Senasack
Checked by Harry R. Rudolph
Approximate elevation above high-water mark 7 feet
Location method EDM, Theodolite, Air photograph
Detailed description: Station is located on Black Ledge which is about 1 mile south of Marshall Island. Station is about 1 meter south of the highest point of the ledge and east of a large fissure that runs the length of the ledge in a NW and SSE direction. Marked by a standard disc stamped "BLACK, 1944".

Sketch for shoreline and air photograph reference
N distances and reference points:



SHORELINE REFERENCE DISTANCES				REFERENCE POINTS IDENTIFIABLE ON AIR PHOTOGRAPHS			
Object	Distance in meters	Direction	Azimuth	Object	Distance in meters	Direction	Azimuth
		00° 00'				00° 00'	

Distances must be horizontal distances actually measured on the ground—not scaled.

Above distances measured by:

REFERENCES: Topographic Manual, paragraphs 15, 29, 30, 57, and page 62; Hydrographic Manual, 2011.

16-21242-2 670

NAME OF STATION: BLACK

STATE: MAINE

YEAR: 1944

THIRD

— ORDER

SOURCE: G- 8790

GEOGRAPHIC LATITUDE: 44° 04' 55.7418	SCALED BY: 5 METERS
GEOGRAPHIC LONGITUDE: 68° 29' 41.960	FEET

STATE COORDINATES (FRT)

STATE & ZONE	CODE	X	Y	θ IORΔ φ ANGLE *
ME E	1801	501,316.73	90,660.60	+ 0° 00' 13"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\theta = \text{IOR}(\Delta \phi)$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH * (From south)	CODE
	0° 0' #	0° 0' *	

54° 059

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1014
MAINE LATITUDE $44^{\circ} 00'$ TO $44^{\circ} 30'$
LONGITUDE $68^{\circ} 00'$ TO $68^{\circ} 30'$
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY
Form 834
Rev. May 1954

DESCRIPTION OF RECOVERABLE TOPOGRAPHIC STATION 1031

Name: BLACK (ISLAND) Year 1944
General locality Blue Hill Bay, Maine Sheet No. T-8572

Locality Black Island Datum

Chief of party Fred L. Peacock

Sealed by Ruth M. Whitson

Checked by Walter E. Schmidt

Approximate elevation above high-water mark 10 feet

Location method: ~~TRANSIT~~, Theodolite, ~~TRANSIT~~

Detailed description: Station is a standard topographic

disc stamped "Black 1944" set in a drill hole in

in ledge rock on the southwest side of Black Island

(S. of Little Gott Island), at extreme S. tip of

sharp peninsula of land which points south. Point is

about 750 meters NNE of Little Black Island. Station

is about .2 meters south of 8 foot evergreen tree which is southernmost

tree on point, and 16 meters from mean high-water line on Point.

SHORELINE REFERENCE DISTANCES

Object	Distance in meters	Direction	Azimuth	Object	Distance in meters	Direction	Azimuth
M.H.W. line	16	south					

BLACK (ISLAND) (Hancock County, Maine, F.L.P., 1944; I.R.R.,

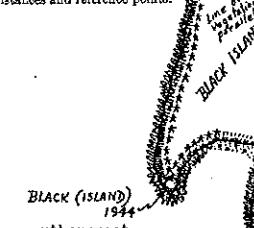
1956) The station

was recovered in good condition. The original description is

adequate and complete. It is marked by a topographic disk,

stamped "BLACK 1944."

N Sketch for shoreline and air photograph reference
distances and reference points:



BLACK ISLAND

NAME OF STATION:

MAINE

YEAR: 1944

THIRD

-ORDER

SOURCE: G- 8790

GEOGRAPHIC LATITUDE: $44^{\circ} 10' 29.507$	ELEVATION: 1 METERS FEET
GEOGRAPHIC LONGITUDE: $68^{\circ} 21' 15.029$	SCALED

STATE COORDINATES (FRT)				
STATE & ZONE	CODE	X	Y	PLANE ANGLE*
ME E	1801	538,257.33	124,521.83	+ $0^{\circ} 06' 06''$

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\delta \text{ICR} \Delta \phi$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From scale)	PLANE AZIMUTH* (From scale)	CODE
	0° 0' *	0° 0' *	

54 081

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U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY • NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1015
MAINE
LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

NO ORIGINAL TEXT

BLUE HILL BAY (FLYE ISLAND) LIGHTHOUSE (Hancock County, Maine, G.A.F., 1864; K.O.C., 1934)--Recovered. The lighthouse is now not in commission. The station is the center of the tower on Green Island which is about 1/2 mile SE of Flye Island in the S part of Blue Hill Bay. The position of this station is determined by 1934 observations.

BLUE HILL BAY (FLYE ISLAND) LIGHTHOUSE (GREEN ISLAND BEACON) (Hancock County, Maine, G.A.F., 1864; I.R.R., 1956).--The station was recovered in good condition. The 1934 recovery note by K.O.C. is adequate and complete.

ADJUSTED HORIZONTAL CONTROL DATA

BLUE HILL BAY-FLYE IS-LH

NAME OF STATION: MAINE STATE: YEAR: 1864 ORDER: THIRD

SOURCE: G- 6793

GEOGRAPHIC LATITUDE:	44° 14' 55.224	ELEVATION:	METERS
GEOGRAPHIC LONGITUDE:	68° 29' 54.295		FEET

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	PLANE AZIMUTH*
ME E	1801	500,415.23	151,392.81	+ 0° 00' 04"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\theta = \text{ATAN}(\frac{dy}{dx})$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From Isab)	PLANE AZIMUTH* (From Isab)	CODE

SEP 1977

U.S. DEPARTMENT OF COMMERCE
 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
 NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
 National Ocean Survey
 NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1016
 MAINE
 LATITUDE 44° 00' TO 44° 30'
 LONGITUDE 68° 00' TO 68° 30'
 DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

BLUFF POINT (Hancock County, Maine, G.A.F., 1864)--On the E side of Union River Bay, close to the shore and about 350 meters W of the road to Ellsworth and about 1 1/4 miles S of Weymouth Point. The distance to Ellsworth is about 5 miles NNE. The station is marked by a copper bolt set in a hole in a rock.

BLUFF POINT (Hancock County, Maine, G.A.F., 1864; K.G.C., 1934)--This station was recovered and re-marked with a standard bronze disk wedged in a drill hole in outcropping bedrock, but no reference marks were established. It is in Trenton Township, on the E side of Union River Bay and about 1 1/4 miles SSE of Weymouth Point. It is on the highest point of a small wooded knoll about 400 feet S of a small cottage. A traverse was run to the station from the newly established station UNION. See description of UNION.

To reach station from Ellsworth post office go S 5.7 miles on the road that runs down the E side of Union River and turn right between two houses. Follow 0.15 mile and take left fork. Continue 0.16 mile passing two driveways on the right, and then turn right at the post with iron brackets. Follow this drive to a cottage on the river bank. From here walk S along the high-water line about 400 feet to a rocky point. The station is on the knoll about 100 feet E of this point.

BLUFF POINT (Hancock County, Maine, G.A.F., 1864; F.L.P., 1944)
 -Station recovered in good condition as described by K.G.C. in 1934, except that it can now be reached easier by going S from Ellsworth Post Office 5.45 miles on the road that runs down the E side of Union River Bay and turns right on gravel road. Follow for 0.25 mile to white shingled summer home which is now owned by Mr. H.C. Stratton of Ellsworth. Follow path N along shore about 250 feet. Station is about 100 feet E of the high-water line, on the highest point of the wooded knoll, and in a ledge outcrop. The mark is about 4 inches below the highest part of the ledge and about 6 inches E of the highest part of the ledge. A prominent pile of rocks was left over the station to aid in recovery, as the ledge is covered with pine needles, moss, and earth.

BLUFF POINT (Hancock County, Maine, G.A.F., 1864; I.R.R., 1956)
 -The station was recovered in good condition. The 1934 description is inadequate for recovery. A new description follows:

The station is located about 5.4 mi. S of Ellsworth, on the E shore of Union River Bay, 1.2 mi. S-SE of Weymouth Point, and 0.4 mi. S of Mill Cove. It is about 360 ft. N of Mr. Raleigh Ingalls' summerhouse, 100 ft. E of the mean high-waterline, and on the highest point of a wooded knoll. A prominent pile of rocks is over the station. The station is marked by a standard disk, stamped "BLUFF POINT 1864 1956" set in a ledge rock.

To reach the station from the post office in Ellsworth, go 5.5 mi. S along Maine State Highway 230 to a private gravel road leading W, turn W on this road and proceed 0.25 mi. to a white-shingled summerhouse owned by Mr. Ingalls, and thence go N about 350 ft. along a path near the shore to the station site.

BLUFF POINT

NAME OF STATION: MAINE

YEAR: 1864

THIRD

-ORDER

G- 6793
SOURCE:

GEOGRAPHIC LATITUDE: 68 25 44.475	ELEVATION: 11 METERS FEET
--------------------------------------	---------------------------------

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	B IGRÄ DI ANGLE*
ME E	1801	518,529.83	230,313.87	+ 0° 02' 59"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE B IGRÄ BI FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEODETIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE
	0 / *	0 / *	52 096

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U.S. DEPARTMENT OF COMMERCE
 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
 NATIONAL OCEAN SURVEY - NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
 National Ocean Survey
 NORTH AMERICAN 1927 DATUM

QUAD 440682

STATION 1017

MAINE
 LATITUDE 44° 00' TO 44° 30'
 LONGITUDE 68° 00' TO 68° 30'
 DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

BOWES

NAME OF STATION:
 STATE: MAINE

YEAR: 1934

SECOND

-ORDER

SOURCE: G- 6053

GEOGRAPHIC LATITUDE:	44° 12' 06.395	SCALED:	1	METERS
GEOGRAPHIC LONGITUDE:	68° 27' 16.616			FEET

STATE COORDINATES (FRT)				
STATE & ZONE	CODE	X	Y	8 CORA TRIANGLE *
ME E	1801	511,901.21	134,301.44	+ 0° 01' 54"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE 8 CORA TRI FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH * (From south)	CODE
BAR ISLAND 2	177 33 38.6	177 31 45	1801

SEP 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1018
MAINE LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

BROWN MOUNTAIN (Hancock County, Maine, G.A.F., 1870)--On the mountain of that name, located on the E side of Somes Sound and about halfway up.

The station is on a ridge near the center of the mountain and about 100 yards W of the highest peak. A short distance to the southward of the station, there is a large boulder cleft in the middle and on the next peak there is a large pile of rocks. The station mark is a copper bolt set in a hole in a rock.

BROWN MOUNTAIN (Hancock County, Maine, G.A.F., 1870; K.G.C., 1934)--Station recovered as described.

The original copper bolt was left in place as the station mark and 2 reference marks, standard bronze disks wedged in drill holes in outcropping bedrock, were installed.

To reach the station from Ellsworth, go W on Highway 3 to junction with Highway 198 then follow Highway 198, 7.4 miles to the Brown Mountain trail which leaves the road just S of a stone culvert over a small stream, follow trail SW about 0.8 mile to station.

OBJECT	DISTANCE	DIRECTION
MAG. NORTH (approx.)	meters	0°00'00"
R.M.No.1	3.145	271 43
R.M.No.2	4.915	344 07
R.M.No.1 to R.M.No.2	4.955	

BROWN MOUNTAIN (Hancock County, Maine, G.A.F., 1870; F.L.P., 1944)--Station and reference marks recovered in good condition as described by K.G.C. in 1934. Distance to reference marks were checked and the following distances were obtained. Reference mark 1 is 3.080 meters and reference mark 2 is 4.895 meters. The distances given in 1934 appear to be the slope distance.

NAME OF STATION: BROWN MOUNTAIN

STATE: MAINE

YEAR: 1870

SECOND

-ORDER

SOURCE: G- 6053

GEOGRAPHIC LATITUDE: 44° 19' 27.194	ELEVATION: 260	METERS FEET
GEOGRAPHIC LONGITUDE: 68° 17' 49.475	SCALED	

STATE COORDINATES (FZS)

STATE & ZONE	CODE	X	Y	DEGREES OF ANGLE*
ME E	1801	553,102.55	178,996.93	+ 0° 08' 30"

*FLANE AZIMUTH HAS BEEN COMPUTED BY THE $\theta = \tan^{-1} \frac{dy}{dx}$ FORMULA NEGLIGEING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From zenith)	FLANE AZIMUTH* (From zenith)	CODE
	0° 0' *	0° 0' *	-

SEP 1977

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY + NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1019
MAINE LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
Form 534 Rev. May 1954

DESCRIPTION OF RECOVERABLE TOPOGRAPHY

Name BUMP
General locality Frenchman Bay
Locality Ash Neck

Year 1944
Sheet No. T-8582
Datum N.A. 1927

Sketch for shoreline and air photograph reference
distances and reference points:

Chief of party Fred. L. Peacock
Marked by Ruth E. Rudolph

Checked by Raymond Glasser
Approximate elevation above high-water mark -3 feet
Location method: Theodolite; triangulation

Detailed description: Station is located on the southern side
of Ash Neck in upper Frenchman Bay, about midway be-
tween Ash Point and Hall Point, about 100 meters east
of a small dock and on the south side of the small
rounding point in the south side of the neck. Mark is
a standard disc stamped "Bump, 1944" set in ledge rock
and about 3 meters back of the Mean High Water Line.

Object	SHORELINE REFERENCE DISTANCES		REFERENCE POINTS IDENTIFIABLE ON AIR PHOTOGRAPHS		
	Distance in meters	Direction Azimuth	Object	Distance in meters	Direction Azimuth
		00° 00'			00° 00'

Distances must be horizontal distances actually measured on the ground—not scaled.

Above distances measured by:
REFERENCES: Topographic Manual, paragraphs 10, 25, 30, 37, and page 12; Hydrographic Manual, 1951.

18-1010-2 380

NAME OF STATION: BUMP

STATE: MAINE

YEAR: 1944

THIRD

-ORDER

SOURCE: G- 6939

GEOGRAPHIC LATITUDE: 68 ° 08' 25.495	ELEVATION 1 METERS FEET
GEOGRAPHIC LONGITUDE:	

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	θ (CRΔ) ANGLE *
ME E	1801	593,857.39	235,598.73	+ 0° 15' 07"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ (CRΔ) FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From station)	PLANE AZIMUTH * (From station)	CODE
	0 0 0	0 0 0	

52 380

SEP 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY + NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1020
MAINE
LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

NO ORIGINAL TEXT

BUNKER LEDGE MONUMENT (Hancock County, Maine, G.A.F., 1863;
F.L.P., 1944); Station recovered in good condition. The U.S. Coast Guard has no record as to the date of its construction, but it was before 1870, and has not been changed since that date.

BUNKER LEDGE MONUMENT (Hancock County, Maine, G.A.F., 1863;
D.F.R., 1953); Station was recovered in good condition.

ADJUSTED HORIZONTAL CONTROL DATA

BUNKER LEDGE MONUMENT

NAME OF STATION: BUNKER LEDGE MONUMENT STATE: MAINE YEAR: 1863 ORDER:

SOURCE: 6- 6793

GEOGRAPHIC LATITUDE:	44° 16' 47.489	ELEVATION:	METERS
GEOGRAPHIC LONGITUDE:	68° 13' 24.947	FEET	

STATE COORDINATES (EAST)

STATE & ZONE	CODE	X	Y	θ IORΔ DI ANGLE*
ME E	1801	572,385.83	162,882.09	+ 0° 11' 35"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ IORΔ DI FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From scale)	PLANE AZIMUTH* (From scale)	CODE

52 007

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1021
MAINE LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

NO ORIGINAL TEXT

BUNKER (Hancock County, Maine, G.A.F., 1865; 1911)--On the highest part of Old Point, which lies between Jordan River and Berrys Cove and to the northwestward of Mount Desert Island's most northern point. The station is about 1/2 mile N of the extremity of Old Point, 1/4 mile W of shore of Berrys Cove, and about 150 meters S of the road leading to Lamoine. The land belongs to Martin Bunker, whose house is on the S side of the road and near the station. A stone fence is 12 paces W, and a rail fence 44 paces S of the station, which is marked by a copper bolt in a hole in a rock.

BUNKER (Hancock County, Maine, G.A.F., 1865; K.G.C., 1934)--Station is in Lamoine Township, on Oak Point which lies between Berrys Cove and Jordan River. The station is about 3/4 mile W of Berrys Cove and about 3/4 mile NNW of the S point of Oak point. It is in an open field just S of the home of Mr. R.D. Harding who now owns the property. It is 45 feet E of the W tree line and 140 feet N of the S tree line.

Reference marks are standard bronze disks wedged in drill holes in outcropping bedrock. Reference mark No.1 is 15 feet E of the W tree line and 135 feet N of the S tree line.

Reference mark No.2 is 10 feet E of the W tree line and 185 feet N of the S tree line.

To reach from Ellsworth, go S 2.0 miles on U.S. Highway 1, and take right fork onto Highway 184. Follow S 6.6 miles to home of Mr. Harding, turn right at house and proceed about 150 meters across meadow to station.

OBJECT	DISTANCE	DIRECTION
TRENTON POINT	meters	0°00'00"0
R.M.No.1	9.498	172 43 57
R.M.No.2	15.588	248 55 05
R.M.No.1 to R.M.No.2	16.200	

BUNKER (Hancock County, Maine, G.A.F., 1865; F.Kraus, 1952)
Letter of Mrs. Frederika Kraus,
Shore Road, Lamoine, Maine, dated June 17, 1952:
Reference mark 1 destroyed.
Reference-mark disk, stamped "BUNKER NO 1 1865 1934" received
at this office June 30, 1952.

BUNKER (Hancock County, Maine, G.A.F., 1865; I.R.R., 1956)
The station mark and both reference marks were recovered in good condition. The distances to and between reference marks were verified. The previous description is adequate with the following additions:
The house and property referred to in the previous description are now owned by Mrs. Frederika Kraus. The reference mark, which she forwarded to Washington in 1952, evidently must have been an extra mark discarded by the 1934 field party as both reference marks described in the 1934 description were recovered.

The station mark is a standard disk, stamped "BUNKER 1865 1934."

Reference mark 1 is a standard disk, stamped "BUNKER 1934 NO 1."

Reference mark 2 is a standard disk, stamped "BUNKER 1934 NO 2."

(A.R.B., 1975)--

Station recovered in good condition as described in BOOK 536, pg.10 with exception that property is now owned by H.A. Hartline.

ADJUSTED HORIZONTAL CONTROL DATA

NAME OF STATION: BUNKER
STATE: MAINE YEAR: 1865 SECOND -ORDER

SOURCE: G- 6053

GEOGRAPHIC LATITUDE:	44° 27' 28.763	42	METERS
GEOGRAPHIC LONGITUDE:	68° 20' 04.567		FEET

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	B TORNΔ BI ANGLE*
ME E	1801	543,184.11	227,737.22	+ 0° 06' 57"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE B TORNΔ BI FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE
TRENTON POINT	247 30 22.6	247 23 26	1801

51 281

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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY • NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1022
MAINE LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

DEPARTMENT OF COMMERCE
NATIONAL GEODETIC SURVEY
ADP. NO. 22
REV. MAY 1964

DESCRIPTION OF RECOVERABLE TOPOGRAPHIC STATION

Name Burnt, 1944 Year 1944
General locality Frenchman Bay Sheet No. T-8583
Locality Burnt Porcupine Island Datum N. A. 1927
Chief of party Fred. L. Peacock
Listed by John M. Reinoldi
Checked by Harry R. Rudolph
Approximate elevation above high-water mark 2 feet
Location method: Theodolite, air photograph
Detailed description: Station is located on the northern end of Burnt Porcupine Island, which is about $\frac{1}{2}$ miles E.N.E. of Bar Harbor, 25 meters west of the most northerly part, 5 meters outside the grass line, 2 meters from the Mean High-Water Line. Mark is a standard topographic disc stamped "Burnt, 1944", set in a large flat ledge rock which is about 5 meters square.

Sketch for shoreline and air photograph reference distances add reference points:



Object	SHORELINE REFERENCE DISTANCES			Object	REFERENCE POINTS IDENTIFIABLE ON AIR PHOTOGRAPHS		
	Distance in meters	Direction 00° 00'	Azimuth		Distance in meters	Direction 00° 00'	Azimuth

Distances must be horizontal distances actually measured on the ground—not scaled.

Above distances measured by:

REFERENCES: Topographic Manual, paragraphs 12, 25, 34, 37, and page 42; Hydrographic Manual, BM.

16-11922-3 400

NAME OF STATION: BURNT

STATE: MAINE

YEAR: 1944

THIRD

— ORDER —

G- 6939

SOURCE:

GEODETIC LATITUDE: 68 10 45.379	SEATED:	6 METERS FEET
------------------------------------	---------	------------------

STATE COORDINATES (Feet)

STATE & ZONE	CODE	X	Y	θ (OR Δ) ° ANGLE *
ME E	1801	583,812.30	209,292.77	+ 0° 13' 28"
ME W	1802	1,019,380.64	579,930.08	+ 1 23 28

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ (OR Δ) ° FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEODETIC AZIMUTH (From south)	PLANE AZIMUTH * (From south)	CODE
	0 0 0	0 0 0	

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HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1023
MAINE
LATITUDE $44^{\circ}00'$ TO $44^{\circ}30'$
LONGITUDE $68^{\circ}00'$ TO $68^{\circ}30'$
DIAGRAM NL 19-11 BANGOR

NO ORIGINAL TEXT

BURNT COAT LIGHTHOUSE (Hancock County, Maine, J.W.D., 1875; K.G.C., 1934)--Recovered. At the entrance to Burnt Coat Harbor at the SW side of Swan Island in Jericho Bay. The station is the center of the white square tower which is connected to a dwelling. Its position was redetermined by 1934 observations.

BURNT COAT HARBOR LIGHTHOUSE (Hancock County, Maine, J.W.D., 1875; I.R.R., 1956)
The station was recovered in good condition. The 1934 recovery note by K.G.C. is adequate and complete.

ADJUSTED HORIZONTAL CONTROL DATA

BURNT COAT HARBOR LIGHTHOUSE

NAME OF STATION: BURNT COAT HARBOR LIGHTHOUSE
STATE: MAINE YEAR: 1875 THIRD ORDER

SOURCE: G- 6793

GEOGRAPHIC LATITUDE:	44° 08' 02.821	ELEVATION:	METERS
GEOGRAPHIC LONGITUDE:	68° 26' 52.015		FEET

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	θ (OR Δ) ANGLE*
ME E	1801	513,708.86	109,639.86	+ 0° 02' 11"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ (OR Δ) FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE

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NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1024
MAINE
LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

NO ORIGINAL TEXT

BURNT COAT (Hancock County, Maine, J.W.D., 1875; 1911)--On a high ridge of the peninsula forming the W side of Burnt Coat Harbor, Swan Island.

The station is in the southern and highest part of the ridge and is about 1/2 mile NW of the lighthouse on the end of the same peninsula. It is marked by a 1/2-inch drill hole in the top of a boulder standing about 3 feet higher than the general level. Owing to the thick growth of young fir or spruce trees the station was not found in 1911, but probably still exists.

BURNT COAT (Hancock County, Maine, J.W.D., 1875; F.L.P., 1944).--Station was searched for along the ridge of the peninsula, but not found. The ridge is covered with a heavy growth of moss and firs and makes the station very hard to locate. The station probably still exists.

ADJUSTED HORIZONTAL CONTROL DATA

BURNT COAT

NAME OF STATION: BURNT COAT
STATE: MAINE YEAR: 1875 ORDER: THIRD
SOURCE: G- 6793

GEOGRAPHIC LATITUDE:	44° 08' 21" N	S ELEVATION:	43	METERS
GEOGRAPHIC LONGITUDE:	68° 27' 15.99" W	FEET		

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	θ IORΔθ OR ANGLE
ME E	1801	511,959.41	111,562.52	+ 0° 01' 54"

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From N)	PLANE AZIMUTH* (From N)	CODE
	0° 0' 0"	0° 0' 0"	

POSITION DETERMINED BY DATUM DIFFERENCES

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NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1025
MAINE
LATITUDE $44^{\circ} 30'$ TO $44^{\circ} 30'$
LONGITUDE $68^{\circ} 00'$ TO $68^{\circ} 30'$
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
Form 524
Rev. May 1948

DESCRIPTION OF RECOVERABLE TOPOGRAPHIC STATION

Name BURY Year 1944 Sheet No. 7-8566
General locality Blue Hill Bay
Locality Newbury Neck Datum N.A. 1927

Chief of party Fred L. Peacock

Surveyed by Leo J. Kornetaky

Checked by Ruth E. Rudolph

Approximate elevation above high-water mark 4 feet
Location method: Transitory Survey, Theodolite, Air photograph
Detailed description: Station is located in about the center and highest part of the bare rock about 50 meters southwest of Burnt Point on the southern tip of Newbury Neck in upper Blue Hill Bay, 16 meters northeast of the Mean High Water Line. The area between the rock and point is bare except at high tide. Mark is a standard disc stamped "Bury 1944" set in ledge rock.

Object	SHORELINE REFERENCE DISTANCES		REFERENCE POINTS IDENTIFIABLE ON AIR PHOTOGRAPHS				
	Distance in meters	Direction	Azimuth	Object	Distance in meters	Direction	Azimuth
Mean High Water Line	16	southwest			00° 00'		

Distances must be horizontal distances actually measured on the ground—not scaled.

Above distances measured by:
REFERENCES To Engineering Manual, paragraphs 14, 20, 21, 27, and page 52; Hydrographic Manual, 2nd Ed.



NAME OF STATION: BURY

STATE: MAINE

YEAR: 1944

THIRD

ORDER

SOURCE: G- 6853

GEOGRAPHIC LATITUDE:	44° 22' 35.7442	ELEVATION:	1	METERS
GEOGRAPHIC LONGITUDE:	68° 28' 09.159	SCALED		FEET

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	$\theta - \text{ORD} \Delta \alpha$ ANGLE*
ME E	1801	508,049.98	197,994.07	+ 0° 01' 18"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\theta - \text{ORD} \Delta \alpha$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From North)	PLANE AZIMUTH* (From North)	CODE

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NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1026
MAINE LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
FORM 521
REV. MAY 1954

DESCRIPTION OF RECOVERABLE TOPOGRAPHIC STATION *T 9-11*

Name CALF Year 1944 Sketch for shoreline and air photograph reference
General locality Blue Hill Bay, Me. Sheet No. T-8568 distances and reference points:
Locality Tinker Id. (N. end) Datum N.A. 1927
Ledge of party Fred. L. Peacock
Ledge by Ruth K. Rudolph
Checked by Raymond Glaser
Approximate elevation above high-water mark 8 feet
Location method: THEODOLITE, THEODOLITE, THEODOLITE
Detailed description: Station is a standard disk set in drill hole in large outcrop of ledge at N.W. tip of Tinker Id. Ledge is about 6' above beach and is only high outcrop of ledge along this section of shore.



Object	SHORELINE REFERENCED DISTANCES			REFERENCE POINTS IDENTIFIABLE ON AIR PHOTOGRAPHS			
	Distance in meters	Direction 00° 00'	Azimuth	Object	Distance in meters	Direction 00° 00'	Azimuth
M.H.W.L.	5	N.W.					

Distances must be horizontal distances actually measured on the ground—not scaled.

Above distances measured by:

10-1026-2 GPO

CALF (Hancock County, Maine, F.L.P., 1944; I.R.R., 1956).

The station was recovered in good condition. The original description is adequate and complete. The station is marked by a topographic disk, stamped "CALF 1944."

Calf

NAME OF STATION:

MAINE

YEAR: 1944

THIRD

STATE:

YEAR:

ORDER

SOURCE: G- 6853

GEOGRAPHIC LATITUDE: 68° 16' 56.312	SCALED:	1	METERS
GEOGRAPHIC LONGITUDE: 68° 29' 34.755	FEET		

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	PLANE AZIMUTH*
ME E	1801	501,836.39	163,653.65	+ 0° 00' 18"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\text{B} \cdot \text{G}(\Delta \alpha)$ FORMULA NEGLECTING THE SECOND TERM.

TOSATION OR OBJECT	GEOGRAPHIC AZIMUTH (From ssit5)	PLANE AZIMUTH* (From ssit6)	CODE
	0° / / *	0° / / *	

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NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1022
MAINE
LATITUDE $44^{\circ}00'$ TO $44^{\circ}30'$
LONGITUDE $68^{\circ}00'$ TO $68^{\circ}30'$
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

CALF (Hancock County, Maine, F.P.W., 1860)--On a wooded hill in the southern part of Calf Island, eastern part of Frenchmans Bay, owned by Nathaniel Stover, whose house is a short distance to the SE.

The station is a hole drilled in a rock.

CALF. (Hancock County, Maine, F.P.W., 1860; K.G.C., 1934)--Station was recovered as described. It is on the highest point on the eastern end of Calf Island, which is in Frenchmans Bay 5 1/2 miles NE of Bar Harbor and is on W side of Flanders Bay. Station is on a high ledge which is in shape of a mound and is 10 meters N of a prominent trail running the length of the island.

A new mark, a standard bronze disk was set in the original drill hole, and two new reference marks, standard bronze disks wedged in drill holes in outcropping bedrock, were set.

Reference mark No.1 is 3 meters SW of the trail in a ledge resembling a boulder 3 feet high. Reference mark No.2 is 5 meters SW of the trail at the highest point and is in a flat ledge on the NE side of a mound of several ledges.

Station is most easily reached from the NE side of the Island. Land at a wharf and follow road 1/4 mile S to cottages, then follow prominent trail 1/4 mile SW to summit of hill.

OBJECT	DISTANCE	DIRECTION
ASH	meters	$0^{\circ}00'00''$
R.M.No.1	15.121	38 47 26
R.M.No.2	15.065	120 52 38
Schoodic Mt. Fire Tower		218 30 00
R.M.No.1 to R.M.No.2	19.815	

CALF (Hancock County, Maine, F.P.W., 1860; F.L.P., 1944)

Station and reference marks recovered in good condition. Description is adequate. Reference mark distances measured and check.

NAME OF STATION: CALF

STATE: MAINE

YEAR: 1860

SECOND

ORDER

SOURCE: G- 6053

GEOGRAPHIC LATITUDE:	44°27'42.298	ELEVATION:	46	METERS
GEOGRAPHIC LONGITUDE:	68 09 07.943	SCALED		FEET

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	θ IODA Δ ANGLE *
ME E	1801	590,800.32	229,257.13	+ 0°14'37"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ IODA Δ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH * (From south)	CODE
ASH	323 15 13.4	323 00 36	1801

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U.S. DEPARTMENT OF COMMERCE
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NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1028
MAINE LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

DEPARTMENT OF COMMERCE
U. S. COAST AND ATMOSPHERIC SERVICE
Form 584 Rev. May 1944

DESCRIPTION OF RECOVERABLE TOPOGRAPHY

Name CALF ISLAND N.E. GABLE UNPAINTED Year 1944
BOATHOUSE Sheet No. T-8682

General locality Frenchman Bay Datum, N.A. 1927

Locality Calf Island

Chief of party Fred. L. Peacock

Checked by Ruth E. Rudolph

Approximate elevation above high-water mark 25 feet

Location method: ~~Exterior~~ Sextant, ~~Exterior~~

Detailed description: Station is the northeast gable of a low, rectangular-shaped boathouse on the northeast side of

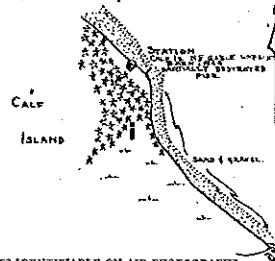
Calf Island, about 550 meters from southeast tip of

island, about 40 meters northwest of an old pier

dock, and 12 meters back of Mean High Water Line.

Boathouse is 9.9 meters x 8.7 meters and has 2 large double doors in northeast end.

Sketch for shoreline and air photograph reference distances and reference points:



SHORELINE REFERENCE DISTANCES

Object	Distance in meters	Direction	Azimuth
		00° 00'	

REFERENCE POINTS IDENTIFIABLE ON AIR PHOTOGRAPHS

Object	Distance in meters	Direction	Azimuth
		00° 00'	

Distances must be horizontal distances actually measured on the ground—not scaled.

Above distances measured by:

REFERENCES: Topographic Manual, paragraphs 12, 29, 30, 37, and page 25; Hydrographic Manual, 1941.

18-81047-2 640

NAME OF STATION: CALF ISLAND BOATHOUSE NE GABLE

STATE: MAINE

YEAR: 1944

THIRD

-ORDER

SOURCE: G- 6939

GEOGRAPHIC LATITUDE: 44° 27' 42.429	ELEVATION: METERS
GEOGRAPHIC LONGITUDE: 68° 09' 00.550	FEET

STATE COORDINATES (Feet)

STATE & ZONE	CODE	X	Y	PLANE ANGLE*
ME E	1801	591,336.41	229,272.68	+ 0° 14' 42"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE AGRAD FORMULA NEGLECTING THE SECOND TERM.

TOSTATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE
	0° 0' 0"	0° 0' 0"	

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HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1029
MAINE LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
Form 631
Rev. May 1954

DESCRIPTION OF RECOVERABLE TOPOGRAPHIC STATION

Name COMB Year 1944 Sketch for shoreline and air photograph reference
General locality Schoodic Peninsula Sheet No. T-8587 distances and reference points:
Locality Pond Island Datum N. A. 1927

Chief of party Fred. L. Peacock

Checked by Ruth E. Rudolph

Checked by Raymond Glaser

Approximate elevation above high-water mark 10 feet
Location method: THEODOLITE, THEODOLITE, THEODOLITE
Detailed description: Station is on a prominent large ledge rock about 300 meters north northwest of Pond Island on the west side of Schoodic Peninsula. Ledge juts out into the water but is not surrounded at High Water. Station is on about the center of the inner part of the ledge, 16 meters north of M H Line and about 30 meters east of western edge of rock. Marked by standard disc stamped "COMB, 1944".

SHORELINE REFERENCE DISTANCES			REFERENCE POINTS IDENTIFIABLE ON AIR PHOTOGRAPHS		
Object	Distance in meters	Direction	Object	Distance in meters	Direction
	00° 00'			00° 00'	

Distances must be horizontal distances actually measured on the ground—not scaled.

Above distances measured by:

REFERENCES: Topographic Manual, paragraphs 104, 29, 30, 27, and page 8; Hydrographic Manual, part I.



NAME OF STATION: COHB

STATE: MAINE

YEAR: 1944

THIRD

—ORDER

SOURCE: G- 6939

GEOGRAPHIC LATITUDE: 44° 20' 43.895	ELEVATION: 6 METERS
GEOGRAPHIC LONGITUDE: 68° 04' 27.216	FEET

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	θ (OR Δ φ) ANGLE*
ME E	1801	611,379.20	186,986.95	+ 0° 17' 51"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ (OR Δ φ) FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From zenith)	PLANE AZIMUTH* (From zenith)	CODE
	0° 0' 0"	0° 0' 0"	

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HORIZONTAL CONTROL DATA

by the
 National Ocean Survey
 NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1030
 MAINE
 LATITUDE $44^{\circ}00'$ TO $44^{\circ}30'$
 LONGITUDE $68^{\circ}00'$ TO $68^{\circ}30'$
 DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

CRAB (Hancock County, Maine, K.G.C., 1934)--The station is on the SW point of Crabtree Point, 4 1/2 miles NNW of Bar Harbor and 9 1/2 miles ESE of Ellsworth. Land is owned by Kenneth W. Girdwood, West Orange, N.J.

Station and reference marks are standard bronze disks wedged in drill holes in outcropping bedrock.

Station is 88.5 feet S of SE corner of piazza and 104 feet SSE of SW corner of piazza of shingled house. It is 6 1/2 feet W of 6-foot E face of ledge.

Reference mark No.1 is 12.30 feet SSE of station and is 6 feet W of 6-foot E face of ledge. It is 101 feet S of SE corner and 115 feet SSE of SW corner of piazza. Reference mark No.2 is 20.03 feet NW of station and 17.5 feet E of 7-foot W face of ledge. It is 82 feet SW of SE corner and 89 feet SE of SW corner of piazza.

From junctions of Highways 1 and 3, one mile S of Ellsworth, follow Highway 1 E, 8.3 miles and turn right at water fountain, 0.3 mile past tall white spire. Follow main-traveled road 4.8 miles and turn right at end of pavement; continue 0.1 mile to SW point of neck.

A 4-foot signal was used.

OBJECT	DISTANCE	DIRECTION
CALF	meters	$0^{\circ}00'00''$
Grindstone Neck, White Standpipe	3.750	38 16 09
R.M.No.1		105 58 49
Marlboro, Old Point, Barn Cupola	6.105	200 40 20
R.M.No.2		216 17 26
HANCOCK POINT STEEL TOWER		232 13 15
R.M.No.1 to R.M.No.2	8.200	

CRAB (Hancock County, Maine, K.G.C., 1934; F.L.P., 1944)

Station and reference marks were recovered in good condition. Distances to reference marks were measured and check. Description adequate.

CRAB
 NAME OF STATION: MAINE YEAR: 1934 SECOND -ORDER

G- 6053
 SOURCE:

GEOGRAPHIC LATITUDE: 44°27'49.799	3 METERS
GEOGRAPHIC LONGITUDE: 68°13'50.780	FEET

STATE COORDINATES (FEET)				
STATE & ZONE	CODE	X	Y	$\theta \text{ IGR}\Delta \text{ B1}$ ANGLE*
ME E	1801	570,286.32	229,908.93	+ 0°11'19"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\theta \text{ IGR}\Delta \text{ B1}$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From sec B)	PLANE AZIMUTH (From sec B)	CODE
CALF	272 00 30.9	271 49 12	1801

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U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

NO TEXT

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1031
MAINE
LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

NAME OF STATION: HARBOR ISLAND

STATE: MAINE YEAR: 1875 ORDER: THIRD

SOURCE: G- 6793

GEOGRAPHIC LATITUDE: GEOGRAPHIC LONGITUDE:	44° 07' 46.86 68° 26' 28.51	ELEVATION: SCALED	21 METERS FEET
---	--------------------------------	----------------------	-------------------

STATE COORDINATES (ft)				
STATE & ZONE	CODE	X	Y	PLANE AZIMUTH*
ME E	1801	515,424.12	108,024.92	+ 0° 02' 27"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\theta = \text{atan}(\frac{dy}{dx})$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE
	0° 0' 0"	0° 0' 0"	

POSITION DETERMINED BY DATUM DIFFERENCES

52 195

SFP 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1032
MAINE LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

MORGAN (Hancock County, Maine, G.A.F., 1864)--On a high granite hill rising abruptly from the water on the western shore of Morgan Bay, an arm of Blue Hill Bay lying W of Newbury Neck and about 4 1/4 miles E of the village of Blue Hill.

The station is on the highest part of the hill, on a bare ledge, and is marked by a copper bolt set in a hole in a rock.

MORGAN (Hancock County, Maine, G.A.F., 1864; K.G.C., 1934)--Lost. The ledge has been broken up at the position of the station.

MORGAN (Hancock County, Maine, G.A.F., 1864; F.L.P., 1944)
-Station was not found.

MORGAN

NAME OF STATION: MORGAN
STATE: MAINE YEAR: 1864 THIRD ORDER

SOURCE: G- 6793

GEOGRAPHIC LATITUDE:	44° 25' 19.75"	ELEVATION:	67 METERS
GEOGRAPHIC LONGITUDE:	68° 29' 55.33"	SCALED	FEET

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	θ : CRΔ OR ANGLE *
ME E	1801	500,338.90	214,629.95	+ 0° 00' 03"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ : CRΔ OR ANGLE FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From Sazib)	PLANE AZIMUTH (From Sazib)	CODE
	0° 0' 0"	0° 0' 0"	

POSITION DETERMINED BY DATUM DIFFERENCES

52 319

SEP 1977

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682

STATION 1033

MAINE

LATITUDE $44^{\circ}00'$ TO $44^{\circ}30'$ LONGITUDE $68^{\circ}00'$ TO $68^{\circ}30'$

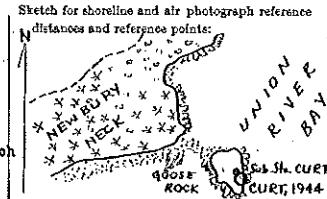
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
BOSTON, MASSACHUSETTS
RECEIVED MAY 1954

DESCRIPTION OF RECOVERABLE TOPOGRAPHIC STATION

Name CURT Year 1944
General locality Union River Bay Sheet No. F-8566
Locality Newbury Neck Datum N.A. 1927
Chief of party Fred. L. Peacock
Marked by Leo J. Kornetsky
Checked by Ruth E. Rudolph
Approximate elevation above high-water mark 8 feet
Location method: Planimeter, Densitometer, Theodolite, Air photograph
Detailed description: Station is located on Goose Rock, which is about midway between Burnt Point and High Head, off the southern end of Newbury Neck on the western side of Union River Bay. Station is on narrow, rocky point on the southeast side of the rock, 17 meters outside tree line, 29 meters northwest of Mean High Water Line at end of Point, 11 meters west of Mean High Water Line to east. Mark is a standard disco stamped "CURT, 1944", set in ledge rock. One can walk to station at low tide.



SHORELINE REFERENCE DISTANCES			REFERENCE POINTS IDENTIFIABLE ON AIR PHOTOGRAPHS		
Object	Distance in meters	Direction	Object	Distance in meters	Direction
Mean High Water Line	11	00° 00' east			00° 00'

Distances must be horizontal distances actually measured on the ground—not scaled.

Above distances measured by: Sample 154, 22, 33, 37, and page 58; Hydrographic Manual, 1951.

15-91062-2 670

CURT (Hancock County, Maine, F.L.P., 1944; I.R.R., 1956)
—The station was recovered in good condition. The original description is adequate and complete. The station is marked by a topographic disk, stamped "CURT 1944."

NAME OF STATION: CURT

STATE: MAINE

YEAR: 1944

THIRD

-ORDER

SOURCE: G- 6853

GEOGRAPHIC LATITUDE: 44° 22' 46.801 68° 27' 45.467	ELEVATION: SCALED	1 METERS FEET
--	----------------------	------------------

STATE COORDINATES (FNU)				
STATE & ZONE	CODE	X	Y	PLANE AZIMUTH
ME E	1801	509,770.11	199,144.96	+ 0° 01' 34"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE BIDRΔ BI FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From Numb.)	PLANE AZIMUTH (From soild)	CODE
	0° 0' 0"	0° 0' 0"	

52 349

SEP 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY + NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

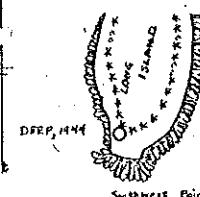
QUAD 440682 STATION 1034
MAINE LATITUDE $44^{\circ}00'$ TO $44^{\circ}30'$
LONGITUDE $68^{\circ}00'$ TO $68^{\circ}30'$
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
EXPIRED MAY 1934

DESCRIPTION OF RECOVERABLE TOPOGRAPHIC STATION

Name Deep Year 1944 Sketch for shoreline and air photograph reference
General locality Long Island, Maine Street No. T-8571 distances and reference points:
Locality Southwest Point Datum N. A. 1927
Chief of party Fred. L. Peacock
Sergeant Harry R. Rudolph
Checked by W. K. Schmidt
Approximate elevation above high-water mark 15 feet
Location method: Standard topographic disk set in drill hole in ledge on extreme w. side of point at grass line. Station is 6 m. w. of most s.w. evergreen on w. side of point. About 15 m. in from H.W.L. and set so Gooseberry Point is clearly visible from ground.



SHORELINE REFERENCE DISTANCES			REFERENCE POINTS IDENTIFIABLE ON AIR PHOTOGRAPHS		
Object	Distance in meters	Direction 00° 00'	Object	Distance in meters	Azimuth 00° 00'
Athmuth			John (Topo.) F.I.P.	44.9	177 62

Distances must be horizontal distances actually measured on the ground—not scaled.

Above distances measured by:
REFERENCE: Topographic Manual, paragraphs 16, 22, 30, 67, and page 82; Hydrographic Manual, 1941.

19-11262-2 GPO

DEEP (Hancock County, Maine, F.L.P., 1944; J.C.E., 1956).
The station mark was recovered in good condition. The 1944 description by F.L.P. is adequate and complete with the following addition:
The station is marked with a standard topographic station disk.

NAME OF STATION: DEEP		STATE: MAINE	YEAR: 1944	THIRD ORDER
G- 8790 SOURCE:				
GEOGRAPHIC LATITUDE: $44^{\circ}05'52.920$ GEOGRAPHIC LONGITUDE: $68^{\circ}22'04.759$		STATION: 7	METERS FEET	
STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	β IORΔ DIANGLE*
ME E	1801	534,678.18	96,510.54	+ $0^{\circ}05'31''$

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE β IORΔ DI FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE
	0 ° * *	0 ° * *	

54 062

SEP 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY • NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1035
MAINE LATITUDE $44^{\circ}00'$ TO $44^{\circ}30'$
LONGITUDE $68^{\circ}00'$ TO $68^{\circ}30'$
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
BOSTON, MASS.
Rev. May 1944

DESCRIPTION OF RECOVERABLE TOPOGRAPHIC STATION

Name DRAM

Year 1944

General locality Frenchman Bay, Me.

Sheet No. T-8582

Locality Dram Island

Datum N.A. 1927

Chief of party Fred. L. Peacock

Checked by Ruth E. Rudolph

Checked by Raymond Glaser

Approximate elevation above high-water mark 4 feet

Location method THEODOLITE, THEODOLITE

Detailed description Station is located on the southeast tip of Dram Island, which is just south of Sorrento in upper Frenchman Bay. Station is about 15 meters west

of the extreme southeast tip, 10 meters south of tree

and grass line and 4 meters north of Mean High Water Line. Mark is set in ledge

rock that is surrounded on west and northwest at mean high water, it is about 1

meter east of the highest point, and is a standard disc stamped "Dram, 1944".

SHORELINE REFERENCE DISTANCES

Object	Distance in meters	Direction	Azimuth	REFERENCE POINTS IDENTIFIABLE ON AIR PHOTOGRAPHS		
				Object	Distance in meters	Direction
		00° 00'				00° 00'

Distances must be horizontal distances actually measured on the ground—not scaled.

Above distances measured by:

REFERENCES: Topographic Manual, paragraphs 15, 29, 33, 37, and page 82; Hydrographic Manual, 1941.



DRAM

NAME OF STATION:
MAINE

YEAR: 1944

THIRD

—ORDER

SOURCE: G- 6939

GEOGRAPHIC LATITUDE: $44^{\circ}28'03.315$
GEOGRAPHIC LONGITUDE: $68^{\circ}11'18.073$

ELEVATION: 2
METERS
FEET

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	B IGRAD OR ANGLE
ME E	1801	581,355.07	231,347.24	+ $0^{\circ}13'06''$

FLANE AZIMUTH HAS BEEN COMPUTED BY THE B IGRAD OR FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	FLANE AZIMUTH (From south)	CODE
	0 ° * *	0 ° * *	

SEP 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY • NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

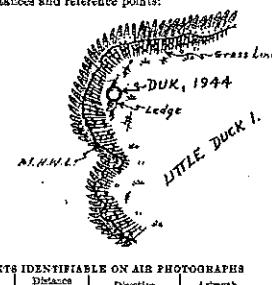
QUAD 440682
MAINE
LATITUDE $44^{\circ} 00'$ TO $44^{\circ} 30'$
LONGITUDE $68^{\circ} 00'$ TO $68^{\circ} 30'$
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
NORTH 1927
Rev. May 1964

DESCRIPTION OF RECOVERABLE TOPOGRAPHIC STATION

Name DUK Year 1944
General locality Mt. Desert Island, Maine Sheet No. T-8572
Locality Little Duck Island Datum N.A. 1927
Chief of party Fred. L. Peacock
Marked by Ruth M. Whitson Lat.
Checked by Walter E. Schmidt Long.
Approximate elevation above high-water mark 25 feet
Location method: Theodolite, EDM, GPS
Detailed description: Station is on the west side of Little Duck Island, about 60 meters from M.W. Line to west, about 100 m. southwest of point of trees at N.W. edge of Island. A lone boulder, projecting about 2½ ft. above grass, is about ¾ meters NW of station, and a tree stump is 5 meters south of station. Mark is a standard TRIANGULATION disc stamped "DUK 1944" set in drill hole in white top ledge.



SHORELINE REFERENCE DISTANCES

Object	Distances in meters			Distances in meters		
	Object	Distances in meters	Azimuth	Object	Distances in meters	Azimuth
	00° 00'			00° 00'		

Distances must be horizontal distances actually measured on the ground—not scaled.

Above distances measured by:

REFERENCES: Topographic Manual, paragraphs 16, 29, 31, 37, and page 52; Hydrographic Manual, 1951.

16-21062-2 aro

NAME OF STATION: DUK

STATE: MAINE

YEAR: 1944

THIRD

-ORDER

G- 8790
SOURCE:

GEOGRAPHIC LATITUDE: $44^{\circ} 10' 30.98$	SCALED	25	METERS
GEOGRAPHIC LONGITUDE: $68^{\circ} 14' 55.46$	FEET		

STATE COORDINATES (FMS)				
STATE & ZONE	CODE	X	Y	ϕ OR Δ OR ANGLE*
ME E	1801	565,918.01	124,737.77	+ $0^{\circ} 10' 30''$

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE ϕ OR Δ OR FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE
	0 0 0	0 0 0	

54 083

SEP 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY - NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1037
MAINE LATITUDE $44^{\circ}00'$ TO $44^{\circ}30'$
LONGITUDE $68^{\circ}00'$ TO $68^{\circ}30'$
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

DEPARTMENT OF COMMERCE
NATIONAL OCEAN SURVEY
Form 821
Rev. May 1954

DESCRIPTION OF RECOVERABLE TOPOGRAPHIC STATION

Name DUKY, 1944 Year 1944 Sketch for shoreline and air photograph reference
General locality Blue Hill Bay, Me. Sheet No. T-8568 distances and reference points:
Locality Dix Point, Me. Datum N.A., 1987

Chief of party Fred. L. Peacock
Marked by Ruth M. Rudolph
Checked by Raymond Glaser
Approximate elevation above high-water mark feet
Location method: Theodolite, Altimeter
Detailed description: Station is a standard topographic disc set in drill hole in ledge on Dix Point, east of Bar Id. in Blue Hill Bay. Station is on southernmost point, 9 m. south of tree line and 9 m. to N.W.L.



Object	SHORELINE REFERENCE DISTANCES			REFERENCE POINTS IDENTIFIABLE ON AIR PHOTOGRAPHS		
	Distances in meters	Directions	Azimuth	Object	Distances in meters	Directions
	00° 00'				00° 00'	

Distances must be horizontal distances actually measured on the ground—not sealed.

Above distances measured by:

DUKY (Hancock County, Maine, F.L.P., 1944; I.R.R., 1956)
The station was recovered in good condition. The original description is adequate and complete with the following additions:

A large tripod was left standing over the mark.
The station is marked by a standard topographic disk, stamped "DUKY 1944."

NAME OF STATION: CUKY

STATE: MAINE

YEAR: 1944

THIRD

-ORDER

SOURCE: G- 8790

GEOGRAPHIC LATITUDE: $44^{\circ}15'06.078$	ELEVATION: SCALED	1 METERS
GEOGRAPHIC LONGITUDE: $68^{\circ}24'08.784$		FEET

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	θ IORDA OF ANGLE
ME E	1801	525,561.66	152,507.01	+ 0°04'05"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ IORDA OF FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From north)	PLANE AZIMUTH (From south)	CODE
	0 0 0	0 0 0	

SEP 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1038
MAINE LATITUDE $44^{\circ}00'$ TO $44^{\circ}30'$
LONGITUDE $68^{\circ}00'$ TO $68^{\circ}30'$
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
Form 591
Rev. May 1964 U. S. G. S.

DESCRIPTION OF RECOVERABLE TOPOGRAPHIC

Name DUN

Year 1944

Sheet No. T-8584

Datum N. A. 1927

Locality Iron Bound Island

Chief of party Fred. L. Peacock

Checked by Henry P. Eichert

Checked by Raymond Glasser

Approximate elevation above high-water mark 3 feet

Location method: Theodolite, King

Detailed description: Station is located on the northwestern side of Iron Bound Island, on Fish Point which is the western side of a small cove, 64 ft. north of a small house with stone foundation and stone chimney on south end, 5 meters back of Mean High-Water Line and 6 meters outside tree line. Standard disc stamped "DUN 1944".

Sketch for shoreline and air photograph reference distances and reference points:

Object	SHORELINE REFERENCE DISTANCES			REFERENCE POINTS IDENTIFIABLE ON AIR PHOTOGRAPHS				
	Object	Distance in meters	Direction	Azimuth	Object	Distance in meters	Direction	Azimuth
		00° 00'				00° 00'		

Distances must be horizontal distances actually measured on the ground—not scaled.

Above distances measured by:

REFERENCES: Topographic Manual, paragraphs 16, 29, 30, 37, and page 52; Hydrographic Manual, MNL.

16-85069-2 870

DUN

NAME OF STATION:
MAINE

YEAR: 1944

THIRD

-ORDER

SOURCE: G- 6939

GEOGRAPHIC LATITUDE: 68 08 50.232	SUPER SCALED	1 METERS FEET
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STATE COORDINATES (ECC)				
STATE & ZONE	CODE	X	Y	θ ICRΔ G ANGLE *
ME E	1801	592,192.30	204,303.46	+ 0° 14' 48"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ ICRΔ G FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From azib)	PLANE AZIMUTH * (From azib)	CODE

52 384

SEP 1977

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY • NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

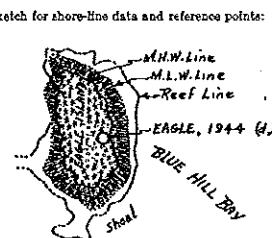
QUAD 440682 STATION 1039
MAINE LATITUDE $44^{\circ}00'$ TO $44^{\circ}30'$
LONGITUDE $68^{\circ}00'$ TO $68^{\circ}30'$
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
REV. MAY 1964

DESCRIPTION OF RECOVERABLE HYDROGRAPHIC OR TOPOGRAPHIC STATION

Name EAGLE Year 1944 Sheet No. T-8569
General locality BLUE HILL BAY, MAINE
Locality EAGLE ISLAND Datum N.A. 1927
Chief of party Fred. L. Peacock
Surveyed by Ruth M. Whitson
Checked by W.E. Schmidt
Approximate elevation above high watermark feet
Location method Theodolite, Hypsometer
Detailed description Station is on the east side of Eagle Island, which is in the southwest part of Blue Hill Bay, about midway of east side of Island, 8 meters west of Mean High Water Line, 5 meters outside tree line and 2.5 m. n.w. of black boulder (about 3' long) on ledge. Station is a standard topographic disc stamped "Eagle 1944"



SHORELINE DATA AT ABOVE STATION			
Object	Distance in meters	Direction	Azimuth
M.H.W. Line	8	00° 00' East	

REFERENCE POINTS FOR AIR PHOTO CONTROL			
Object	Distance in meters	Direction	Azimuth
		00° 00'	

Distances not to be scaled from sheet; must be horizontal distances actually obtained in the field.

Above distances measured by:

REFERENCE: Topographic Manual, paragraphs 14, 29, 30, 37, and page 17; Hydrographic Manual, paragraph 12; Circular No. 50, 1953

15-92627 area

NAME OF STATION: EAGLE

STATE: MAINE

YEAR: 1944

THIRD

-ORDER

SOURCE: G- 8790

GEOGRAPHIC LATITUDE: 44° 12' 40" 968	ELEVATION: 68 27 33.050	SCALED:	7 METERS FEET
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STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	B 104Δ φ ANGLE*
ME E	1801	510,702.39	137,801.47	+ 0° 01' 43"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE B 104Δ φ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE
	0 ° * #	0 ° * #	

54 075

SEP 1977

U.S. DEPARTMENT OF COMMERCE
 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
 NATIONAL OCEAN SURVEY + NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
 National Ocean Survey
 NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1040
 MAINE
 LATITUDE 44° 00' TO 44° 30'
 LONGITUDE 68° 00' TO 68° 30'
 DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

EAST LAMOINE, GREY CHURCH SPIRE (Hancock County, Maine, K.G.C., 1934)--The gray church spire in the town of East Lamoine.

EAST LAMOINE, GREY CHURCH SPIRE (Hancock County, Maine, K.G.C., 1934; F.L.P., 1944) --Station recovered, but has been disturbed. In the winter of 1942-1943, spire sagged out of position, and in summer of 1943 spire was put back in its original position. It is the same spire.

Station is the only church in East Lamoine, located 12 meters N of State Route 184, and 15 meters W of a dirt road. Church is rectangular in shape with the spire over the S gable. Spire is covered with natural wood shingles, which makes it look grey. It has a broken weather vane on top. The church has a brass name plate on front, "First Baptist Church, Erected in Lamoine, built in 1832, Seth Tisdale, Architect." Local residents say that it is no longer a Baptist Church.

EAST LAMOINE, GREY CHURCH, SPIRE (Hancock County, Maine, K.G.C., 1934; I.R.R., 1956)
 The station was recovered in good condition. The 1944 description is adequate and complete.

EAST LAMOINE GRAY CHURCH SPIRE

NAME OF STATION: EAST LAMOINE GRAY CHURCH SPIRE
 STATE: MAINE YEAR: 1934 ORDER:

SOURCE: G- 6793

GEOGRAPHIC LATITUDE:	44° 28' 02" 100 68 19 15.832	ELEVATION:	METERS FEET
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STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	θ OR Δ GI ANGLE
ME E	1801	546,711.26	231,120.31	+ 0° 07' 31"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\theta = \tan^{-1} \frac{dy}{dx}$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEODETIC AZIMUTH (From Azimuth)	PLANE AZIMUTH ^a (From Azimuth)	CODE
	0° 0' 0"	0° 0' 0"	

SEP 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1041
MAINE
LATITUDE $44^{\circ}00'$ TO $44^{\circ}30'$
LONGITUDE $68^{\circ}00'$ TO $68^{\circ}30'$
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

EAST SISTER ISLAND (Hancock County, Maine, N.H.H., 1908)--On the NE part of East Sister Island, about a mile SSE of East Point of Swan Island and 2 miles SW of Black Island.

The station is about 10 feet from the edge of the woods and about 3 feet N of the western end of a fairly conspicuous seam in the rocks running E and W and is 4 or 5 feet higher than the surrounding boulders. It is a hole drilled in a rock.

EAST SISTER ISLAND (Hancock County, Maine, N.H.H., 1908; K.G.C., 1934)--This station found as described. The station is about 3 meters from the edge of the woods and about 3 feet N of the western end of a fairly conspicuous seam in the rocks running E and W and is 4 or 5 feet higher than the surrounding boulders. It is a hole drilled in a rock. A drill hole filled with lead was found WNW of the station of which there is no mention in the original station description.

Two new reference marks, standard bronze disks wedged in drill holes in outcropping bedrock, were placed as follows: No.1, is SSE of the station on a high flat ledge and No.2 is W of the station, on another flat ledge, 1 foot from the tree line.

OBJECT	DISTANCE	DIRECTION
PLACENTIA ISLAND	meters	$0^{\circ}00'00''$
R.M.No.1	4.602	163 51 48
R.M.No.2	4.142	268 57 00
Ref.Drill Hole	3.811	295 21 40
R.M.No.1 to R.M.No.2	6.943	

EAST SISTER ISLAND (Hancock County, Maine, N.H.H., 1908; F.L.P., 1944) --Station and reference marks recovered in good condition. Distances to reference marks checked. Station mark is a copper bolt set in a drill hole and not a drill hole as given in the recovery of K.G.C. in 1934. Description is adequate, except station is about 270 meters from the N tip of the island.

EAST SISTER ISLAND (Hancock County, Maine, N.H.H., 1908; I.R.R., 1956) --The station mark, reference marks 1 and 2, and the reference drill hole were recovered in good condition. The distances to the reference marks and between the marks were verified. The 1934 recovery note by K.G.C. is adequate with the following additions:

The station mark is a copper bolt set in the ledge outcrop. Reference marks 1 and 2 are standard disks stamped "EAST SISTER ISLAND 1908 1934 NO 1" and "EAST SISTER ISLAND 1908 1934 NO 2."

EAST SISTER ISLAND

STATE: MAINE YEAR: 1908 ORDER:

SOURCE: G- 6053

GEOGRAPHIC LATITUDE: GEOGRAPHIC LONGITUDE:	44°08'40.740 68 22 14.721	SEALEVEL SCALED	6 METERS FEET
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STATE COORDINATES (Fct)				
STATE & ZONE	CODE	X	Y	PLANE ANGLE*
ME E	1801	533,924.57	113,501.56	+ 0° 05' 24"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE PLANE ANGLE FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE
PLACENTIA ISLAND	172 07 27.0	172 02 03	1801

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U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1042
MAINE
LATITUDE $44^{\circ}00'$ TO $44^{\circ}30'$
LONGITUDE $68^{\circ}00'$ TO $68^{\circ}30'$
DIAGRAM NL 19-11 BANGOR

NO ORIGINAL TEXT

EAST TRENTON TALL WHITE SPIRE (Hancock County, Maine, G.A.F., 1865; K.G.C., 1934)--According to local residents there has been no change made to the exterior of this church since it was built in 1854. The settlement in which it is located is now known as Lemoine center. It has a tall white spire, octagonal in shape. It was not observed on in 1934 being obscured by high trees from stations which saw it in 1865.

EAST TRENTON TALL WHITE SPIRE (Hancock County, Maine, G.A.F., 1865; F.L.P., 1944)--Station recovered as described by K.G.C. in 1934. The spire is in good condition. According to information obtained from local residents, the spire has never been changed except for minor repairs.

EAST TRENTON, TALL WHITE SPIRE (Hancock County, Maine, G.A.F., 1865; I.R.R., 1956)--The station was recovered in good condition. The 1934 recovery note by K.G.C. is adequate and complete.

ADJUSTED HORIZONTAL CONTROL DATA

EAST TRENTON TALL WHITE SPIRE

NAME OF STATION: MAINE STATE: YEAR: 1865 ORDER: THIRD

SOURCE: G- 6793

GEOGRAPHIC LATITUDE:	44° 28' 42.984 68° 20' 39.104	ELEVATION:	METERS FEET
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STATE COORDINATES (EzE)				
STATE & ZONE	CODE	X	Y	BIGRADIANGLE [*]
ME E	1801	540,664.98	235,247.82	+ 0° 06' 33"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE BIGRADIANGLE FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH [*] (From south)	CODE

52 005

SEP 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1043
MAINE
LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

NO ORIGINAL TEXT

EGG ROCK LIGHTHOUSE (Hancock County, Maine, 1902; K.G.C., 1934)--This station was recovered and its position checked by new observations. This was a second-order triangulation point in the 1934 scheme.

The lighthouse tower is on top of the keeper's dwelling on the highest point of Egg Rock which lies E of Mount Desert Island at the entrance to Frenchman's Bay.

RECOVERY NOTE, TRIANGULATION STATION QUAD 440682
INTERSECTION

NAME OF STATION: EGG ROCK LIGHTHOUSE
ESTABLISHED BY: F.D.G. YEAR: 1902 STATE: Maine BENCH MARK(S) ALSO
RECOVERED BY: N.C.S. YEAR: 1968 COUNTY: Hancock

AIRLINE DISTANCE AND DIRECTION FROM NEAREST TOWN: 4.0 miles southeast of Bar Harbor
4.0 miles southwest of Winter Harbor

Detailed statement as to the fitness of the original description; including marks found, stumplings, changes made, and other pertinent facts:
Recovered in good condition as described in 1934.

R

ADJUSTED HORIZONTAL CONTROL DATA

EGG ROCK LIGHTHOUSE

NAME OF STATION:	MAINE	YEAR:	1902	SECOND
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SOURCE: G- 6053

GEOGRAPHIC LATITUDE:	44° 21' 14.174	ELEVATION:	1 METERS
GEOGRAPHIC LONGITUDE:	68° 08' 19.157	FEET	

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	DEGRADS OF ANGLE *
ME E	1801	594,511.77	189,971.97	+ 0° 15' 09"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE DEGRADS OF FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEODETIC AZIMUTH (From East)	PLANE AZIMUTH * (From East)	CODE

SEP 1977

U.S. DEPARTMENT OF COMMERCE
 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
 NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
 National Ocean Survey
 NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1044
 MAINE
 LATITUDE $44^{\circ}00'$ TO $44^{\circ}30'$
 LONGITUDE $68^{\circ}00'$ TO $68^{\circ}30'$
 DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

EGG

NAME OF STATION:

STATE: MAINE

YEAR: 1860

THIRD

- ORDER

G- 6793
SOURCE:

GEOGRAPHIC LATITUDE:	44° 21' 14.09"	ELEVATED	1	METERS
GEOGRAPHIC LONGITUDE:	68° 08' 18.81"			FEET

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	SICRA DI ANGLE*
ME E	1801	594,537.02	189,963.58	+ 0° 15' 10"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE SICRA G1 FORMULA NEGLECTING THE SECOND TERM.

TOSTATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE
	0° 2' 9"	0° 2' 9"	

POSITION DETERMINED BY DATUM DIFFERENCES

51 514

SEP 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1045
MAINE
LATITUDE $44^{\circ} 00'$ TO $44^{\circ} 30'$
LONGITUDE $68^{\circ} 00'$ TO $68^{\circ} 30'$
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
BOSTON, MASSACHUSETTS
REV. MAY 1944

DESCRIPTION OF RECOVERABLE TOPOGRAPHIC STATION

Name EGG Year 1944 Sheet No. #8684
General locality Frenchman Bay, Me.
Locality Egg Rock Datum N. A. 1927
Chain of party Fred. L. Peacock Metres
Listed by Henry P. Eichert Lat.
Checked by Raymond Glaser Long.
Approximate elevation above high-water mark 8 feet
Location method: Theodolite, Theodolite, Theodolite
Detailed description: Station is a standard topographic disc
set in drill hole in ledge, approximately 188 m.
north of lighthouse and near westerly edge of ledge
above H.W. Lightkeeper will aid recovery.



Object	SHORELINE REFERENCES DISTANCES			REFERENCE POINTS IDENTIFIABLE ON AIR PHOTOGRAPHS		
	Distance in meters	Direction 00° 00'	Azimuth	Object	Distance in meters	Direction 00° 00'

Distances must be horizontal distances actually measured on the ground—not scaled.

Above distances measured by:

REFERENCES: Topographic Manual, paragraphs 15c, 29, 30, 37, and page 42; Hydrographic Manual, 23dL.

18-21068-670

NAME OF STATION: EGG

STATE: MAINE

YEAR: 1944

THIRD

—ORDER

SOURCE: G- 6939

GEOGRAPHIC LATITUDE: $44^{\circ} 21' 20.390$
GEOGRAPHIC LONGITUDE: $68^{\circ} 08' 17.682$

ELEVATION: 1 METERS
FEET
SCALED

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	Z OR Δ 41 ANGLE *
ME E	1801	594,616.16	190,601.85	+ 0° 15' 11"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\Delta \text{ azi}$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH (From south)	CODE
	0° 0' *	0° 0' *	

52 377

SEP 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY - NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1046
MAINE
LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

NO ORIGINAL TEXT

FERNALD HILL (Hancock County, Maine, G.A.F., 1870; 1902)--On the high hill of that name, also known as Flying Mountain, located on the W side of the narrows of Somes Sound, Mount Desert Island, about 1 1/4 mile to the northward of Fernald Cove.

The station is on the southern part of the hill, 22 feet S of the highest point and 11 feet W from the edge of the bluff. It is a copper bolt set in a hole in a rock.

FERNALD HILL (Hancock County, Maine, G.A.F., 1870; K.G.C., 1934)--The station was recovered as described. It is on Mount Desert Island, on Flying Mountain, which is on the W side of Somes Sound at its end and just N of Fernald Cove.

The station was marked when recovered, by a copper bolt set in a hole in a rock, and the bolt was in such good shape that it was left intact.

Two reference marks were established, standard bronze disks wedged in drill holes in outcropping bedrock. Reference mark No.1 being N of the station and reference mark No.2 near the bluff to the E. The station was not occupied in 1934 except to establish the reference marks.

To reach the station from Southwest Harbor go N about one mile to "Fernald Road", which leads E. This road is also 5.4 miles S on Highway 102 from the junction of Highways 198 and 102. Follow "Fernald Road" 0.8 mile. From this point walk up trail marked "Flying Mt" to the summit. The station is on the southern side of the hill about 22 feet S of the highest part and 11 feet W of the bluff on the eastern side.

OBJECT	DISTANCE	MAG. AZIMUTH
Sta. to R.M.No.1	2.616 meters	206°20'
Sta. to R.M.No.2	2.075 meters	265°16'
R.M.No.1 to R.M.No.2	2.350 meters	

FERNALD HILL (Hancock County, Maine, G.A.F., 1870; F.L.P., 1944)
-Station and reference marks recovered in good condition as described by K.G.C. in 1934. Distances to reference marks were checked.

RAD 89

ADJUSTED HORIZONTAL CONTROL DATA

FERNALD HILL

NAME OF STATION:

STATE: MAINE

YEAR: 1870

SECOND

-ORDER

SOURCE: G- 6053

GEOGRAPHIC LATITUDE:	44° 18' 07.530	SIXTEEN	37	METERS
GEOGRAPHIC LONGITUDE:	68° 18' 53.395			FEET

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	DIAG. ANGLE*
ME E	1801	548,474.36	170,919.49	+ 0° 07' 46"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE S₁ C₁ A₁ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE
	0 / * / *	0 / * / *	

51 260

SEP 1977

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1047
MAINE LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
NATIONAL OCEAN SURVEY
REV. MAY 1941

DESCRIPTION OF RECOVERABLE TOPOGRAPHIC STATION

Name FLAG
General locality Blue Hill Bay
Locality Bartlett Island
Chief party Fred. L. Peacock
Team by Stanley Howarth
Checked by Raymond Glaser
Approximate elevation above high-water mark
Location method: Theodolite, air photograph mark
Detailed description: Station is an unmarked auxiliary Point.
Station "HAM 1944" is about 200 meters away.
Sub. Sta. FLAG is low bush in ledge rock outcrop
approximately 34 meters south of FLAG 1944.
These stations are located on The Hub just east of
North Point, Bartlett Island.

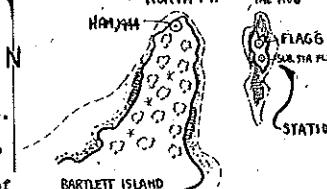
Year 1944

Sheet No. T-8567

Datum N. A. 1927

Feet

Sketch for shoreline and air photograph reference
distances and reference points:



Object	SHORELINE REFERENCE DISTANCES			REFERENCE POINTS IDENTIFIABLE ON AIR PHOTOGRAPHS			
	Distance in meters	Direction	Azimuth	Object	Distance in meters	Direction	Azimuth
	00° 00'				00° 00'		

Distances must be horizontal distances actually measured on the ground—not scaled.

Above distances measured by:

REFERENCES: Topographic Manual, paragraphs 16, 29, 30, 37, and page 62; Hydrographic Manual, 1941.

M-21062-9 470

FLAG

NAME OF STATION:

STATE: MAINE

YEAR: 1944

THIRD

—ORDER

SOURCE: G- 6853

GEOGRAPHIC LATITUDE: 44° 22' 30.340
GEOGRAPHIC LONGITUDE: 68° 25' 14.406

ELEVATION: METERS
FEET

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	Z (CHÄ OR ANGLE*)
ME E	1801	520,742.15	197,485.98	+ 0° 03' 20"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE B IORÄ RI FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE
	0 / 0	0 / 0	

SEP 1977

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1048
MAINE LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
FORM 624
Rev. May 1954

DESCRIPTION OF RECOVERABLE TOPOGRAPHIC STATION

Name GOOSE Year 1944 Sketch for shoreline and air photograph reference
General locality Long Island, Maine Sheet No. T-8571.
Locality Gooseberry Point Datum N. A. 1927
Chief of party Fred. L. Peacock
Deputy Harry H. Rudolph
Checked by W. K. Schmidt
Approximate elevation above high-water mark 10 feet
Location method: Theodolite, tape, compass
Detailed description: Station is located on gooseberry Point on western side of Long Island which is about 1½ miles southeast of Swan Island. Station is on a large boulder on top of the boulder strewn shoreline, about 15 meters southeast of where shoreline turns to southeast, 5 meters outside grassline, 20 meters inside Mean High-Water Line, 25.7 meters southwest of a small bushy evergreen tree on center of point, and 60.2 meters from small evergreen tree at inner edge of boulder.

SHORELINE REFERENCE DISTANCES				REFERENCE POINTS IDENTIFIABLE ON AIR PHOTOGRAPHS			
Object	Distance Meters	Direction	Azimuth	Object	Distance Meters	Direction	Azimuth
M.H.W. Line	20	South		beach to north.	00° 00'		
				Mark is a Standard Topographic disc stamped "GOOSE 1944", cemented in a drill hole in boulder.			

Distances must be horizontal distances actually measured on the ground—not scaled.

Distances measured by:

REF: ENCEST Topographic Manual, paragraphs 16, 23, 30, 37, and page 28; Hydrographic Manual, 1951.

GOOSE (Hancock County, Maine, F.L.P., 1944; J.C.E., 1956)
The station mark was recovered in good condition. The 1944 description by F.L.P. is adequate and complete with the following addition:
The station is marked by a standard topographic station disk.

NAME OF STATION: GOOSE

STATE: MAINE

YEAR: 1944

THIRD

ORDER

SOURCE: G- 8790

GEOGRAPHIC LATITUDE:	44° 06' 44.246	ELEVATION:	12 METERS
GEOGRAPHIC LONGITUDE:	68° 22' 37.325	FEET	

STATE COORDINATES (Feet)

STATE & ZONE	CODE	X	Y	S - OR Δ - ANGLE*
ME E	1801	532,294.09	101,703.72	+ 0° 05' 08"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\theta + \text{OR} \Delta \phi$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH (From south)	CODE
	0° 0' *	0° 0' *	

54 063

SEP 1977

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY + NATIONAL GEOGRAPHIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1049
MAINE
LATITUDE $44^{\circ} 0' 0''$ TO $44^{\circ} 30'$
LONGITUDE $68^{\circ} 0' 0''$ TO $68^{\circ} 30'$
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
Form 624
Rev. May 1954

DESCRIPTION OF RECOVERABLE TOPOGRAPHIC STATION

Name GOT Year 1944 Sketch for shorelines and air photograph reference
General locality Mt. Desert Island, Maine Sheet No. T-8574
Locality Great Gott Island Datum N.A. 1927
Chief of party Fred. L. Peacock
Listed by Ruth M. Whitson
Checked by Walter E. Schmidt
Approximate elevation above high-water mark 10 feet
Location method: Theodolite, theodolite
Detailed description: Station is located on the extreme E.S.E. tip of Great Gott Island, is 10.18 meters SE of south corner of stone foundation, 3.15 meters SW of extended line of NE side of foundation, and 34 meters back of MHW line. Mark is a standard topographic disc stamped "GOT 1944". Note: there is another station "GOT, 1944" on the southwestern tip of Little Gott Island.



Object	SHORELINE REFERENCE DISTANCES			REFERENCE POINTS IDENTIFIABLE ON AIR PHOTOGRAPHS			
	Distance in meters	Direction	Azimuth	Object	Distance in meters	Direction	Azimuth
MHW Line	34	SE					

Distances must be horizontal distances actually measured on the ground—not scaled.

Above distances measured by:

REFERENCES: Topographic Manual, paragraphs 15, 20, 30, 37, and page 48; Hydrographic Manual, Part I.

10-1024-2 080

GOT (Hancock County, Maine, F.L.P., 1944; D.F.R., 1953) (Previous
-Station was recovered as described.
Description is adequate.

GOT

NAME OF STATION:
STATE: MAINE

YEAR: 1944

THIRD

-ORDER

SOURCE: G- 8790

GEODETIC LATITUDE: 68 18 56.767	ELEVATION: 6 METERS FEET
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STATE COORDINATES (FATH)				
STATE & ZONE	CODE	X	Y	PLANE ANGLE*
ME E	1801	548,314.79	132,752.30	+ 0° 07' 42"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\beta \text{ICRA } 41$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEODETIC AZIMUTH (From azib)	PLANE AZIMUTH* (From soib)	CODE
	0 / * / *	0 / * / *	

54 080

SEP 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY • NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1050
MAINE LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

NO ORIGINAL TEXT

GREAT DUCK ISLAND (Hancock County, Maine, G.A.F., 1863; 1911)--
On a rocky hill on the northern end of the island of that name,
which lies off the mouth of Blue Hill Bay about 6 miles SSE of
Bass Harbor Head or Mount Desert Island and about 6 3/4 miles
ESE of East Point of Swan Island.

The station is a few yards N of the highest part of the ledge,
and is a copper bolt set in a hole in a rock.

Two reference marks, each a drill hole filled with lead, are
placed respectively, 18.68 meters WSW and 20.16 meters NW of the
station.

GREAT DUCK ISLAND (Hancock County, Maine, G.A.F., 1863; K.G.C.,
1934)--This station is on a rocky hill on the northern end of
Great Duck Island, which lies off the mouth of Frenchman Bay and
about 6 miles SSE of Bass Harbor Head or Mount Desert Island.
The station is not on the summit, but about 25 meters NW of it on
a bare flat ledge. It is a copper bolt set in a hole in a rock.

Two reference drill holes filled with lead are as follows:
No.1 is WSW and No.2 is NW of the station. Two reference marks,
standard bronze disks wedged in drill holes in outcropping bed-
rock, were established as follows: No.1 is NNW of the station
and No.2 is W, both on flat ledges.

OBJECT	DISTANCE	DIRECTION
BAKER ISLAND L.H.	meters	0° 00' 00" 0
R.M.No.1	2.820	26 31 38
Ref.Drill Hole No.1	18.560	211 05 34
R.M.No.2	4.374	267 11 54
Ref.Drill Hole No.2	20.123	274 42 21
R.M.No.1 to R.M.No.2	6.262	
Ref.Drill Hole No.1 to		
Ref.Drill Hole No.2	20.421	

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

RECOVERY NOTE, TRIANGULATION STATION

NAME OF STATION: GREAT DUCK ISLAND
ESTABLISHED BY: G.A.F. YEAR: 1863 STATE: Maine
RECOVERED BY: G.A.M. YEAR: 1963 COUNTY: Hancock

HEIGHT OF TELESCOPE ABOVE STATION MARK	METERS	HEIGHT OF LIGHT ABOVE STATION MARK	METERS
DISTANCES AND DIRECTIONS TO AZIMUTH MARK, REFERENCE MARKS AND PROMINENT OBJECTS WHICH CAN BE SEEN FROM THE GROUND AT THE STATION			
OBJECT	BEARING	DISTANCE	DIRECTION
		FEET	METERS

Station not occupied

The station was recovered and the station mark and the four reference marks were found in good condition.

The island is now owned by Dr. E. George Cloutier, 31 Bay State Road, Boston 15, Mass.

The station may be reached from the U.S. Coast Guard Station at the southern end of the island by packing northerly on a good trail for about 45 minutes to the site.

Also the station may be reached from the East Coast Boat Slip by packing north-
erly for about 15 minutes to the site.

ADJUSTED HORIZONTAL CONTROL DATA

GREAT DUCK ISLAND

NAME OF STATION: GREAT DUCK ISLAND
STATE: MAINE YEAR: 1863 ORDER: SECOND

SOURCE: G- 6053

GEOGRAPHIC LATITUDE:	44° 09' 21.941	STATION:	15	METERS
GEOGRAPHIC LONGITUDE:	68° 14' 57.271			FEET

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	B-1043 DIANGLE ¹
ME E	1801	565,807.35	117,746.95	+ 0° 10' 29"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE B-1043 DI FORMULA REJECTING THE SECOND TERM.

TOSTATION OR OBJECT	GEODETIC AZIMUTH (From south)	PLANE AZIMUTH ¹ (From south)	CODE
BAKER ISLAND L.H.	202 47 01.2	202 36 32	1801

ASTRO OBSERVATIONS PERFORMED AT THIS STATION

51 254

SEP 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1051
MAINE
LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

NO ORIGINAL TEXT

GREAT DUCK ISLAND LIGHTHOUSE (Hancock County, Maine,
1902; K.O.C., 1934)--No change has been made in the position of the
light or lighthouse since 1902, according to A.H. Kenney, keeper.

Form 326
(11-8-65)

U.S. DEPARTMENT OF COMMERCE - COAST AND GEODETIC SURVEY
RECOVERY NOTE, TRIANGULATION STATION

NAME OF STATION: GREAT DUCK ISLAND LIGHTHOUSE
ESTABLISHED BY: F.A.D.G. YEAR: 1902 STATE: Maine
RECOVERED BY: G.A.M. YEAR: 1963 COUNTY: Hancock

Detailed statement as to the fitness of the original description; including marks found, stampings, changes made, and other pertinent facts:
The station was recovered as described.

R

ADJUSTED HORIZONTAL CONTROL DATA

GREAT DUCK ISLAND LIGHTHOUSE

STATE:	MAINE	YEAR:	1902	THIRD
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-ORDER
-ORDER

SOURCE: G- 6793

GEOGRAPHIC LATITUDE:	44° 08' 31.521	ELEVATION:	METERS
GEOGRAPHIC LONGITUDE:	68° 14' 47.210	FEET	

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	SIDE & ANGLE*
ME E	1801	566,556.52	112,644.02	+ 0° 10' 36"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE SORAC FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE
	0° / * / *	0° / * / *	

52 106

SEP 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY + NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1052
MAINE LATITUDE 44 ° 00' TO 44 ° 30'
LONGITUDE 68 ° 00' TO 68 ° 30'
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

GREAT HEAD (Hancock County, Maine, K.G.C., 1934)--Station is on the highest bluff on the SE side of Mount Desert Island, overlooking Frenchman's Bay. The bluff is known as Great Head and is just E of Newport Cove. Station is 17.1 meters E of a stone building of 21.15 meters circumference and 5 meters in height. The building is an observatory belonging to H.L. Satterlee and is a prominent landmark from the bay. Station is on an irregular ledge about 2 meters from the edge of the steep bluff.

The station is marked by a standard bronze disk set in concrete.

Reference marks are standard bronze disks wedged in drill holes in outcropping bedrock. They are both in flat ledges just S of the station and E of the observatory.

To reach the station from Bar Harbor, go S on Main Street. From beacon at Cottage Avenue and Main Street go 1.4 miles and take left at fountain. Follow this Shore Road 3.3 miles then take private road left at Great Head signs. Take first road left and follow 0.2 mile to intersection, then turn sharp left and follow 0.2 mile to trail on right marked "Great Head Trail." Follow trail about 1/2 mile E to observatory and station.

OBJECT	DISTANCE	DIRECTION
ASH	meters	0°00'00.0"
EGG ROCK L.H.		11 55 32
R.M.No.1	2.691	106 49 58
R.M.No.2	2.871	166 58 08
R.M.No.1 to R.M.No.2	2.791	

Height of telescope above station mark - 1.5 meters.

GREAT HEAD (Hancock County, Maine, K.G.C., 1934; F.L.P., 1944)
Station and reference marks recovered in good condition. Station mark is not cemented in drill, but it is tight in place. Reference mark distances measured and checked.

GREAT HEAD

NAME OF STATION:

STATE: MAINE

YEAR: 1934

SECOND

-ORDER

SOURCE: G- 6053

GEOGRAPHIC LATITUDE:	44 ° 19' 42.342	SCALED:	44 METERS
GEOGRAPHIC LONGITUDE:	68 10 29.593	FEET	

STATE COORDINATES (F.M.)				
STATE & ZONE	CODE	X	Y	E-DRA Δ ANGLE*
ME E	1801	585,071.92	180,633.71	+ 0°13'38"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE DIOGRAD FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH (From south)	CODE
ASH	213 36 40.8	213 23 03	1801

51 274

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U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1053
MAINE
LATITUDE $44^{\circ}00'$ TO $44^{\circ}30'$
LONGITUDE $68^{\circ}00'$ TO $68^{\circ}30'$
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

GREAT HEAD OBSERVATORY (Hancock County, Maine, K.G.C., 1934)--
The observatory is a stone building of 21.15 meters circumference
and 5 meters high and situated on the eastern side of Mount Desert
Island, on the highest head overlooking Frenchman's Bay.

GREAT HEAD OBSERVATORY (Hancock County, Maine, K.G.C., 1934;
D.F.R., 1953) -Station
was recovered as described. Some of inner wooden structure is re-
ported to have burned in 1947, but the stone tower remains in good
condition.

GREAT HEAD OBSERVATORY

NAME OF STATION: MAINE STATE: MAINE YEAR: 1934 THIRD ORDER

SOURCE: G- 6793
NO OBSERVATION CHECK ON THIS POSITION

GEODETIC LATITUDE:	44°19'42.196	ELEVATION:	METERS
GEODETIC LONGITUDE:	68 10 30.494		FEET

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	PLANE AZIMUTH *
ME E	1801	585,006.49	180,618.66	+ 0°13'37"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\theta = \tan^{-1}(\frac{dy}{dx})$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEODETIC AZIMUTH (From North)	PLANE AZIMUTH * (From North)	CODE
	0 / * / *	0 / * / *	

POSITION DETERMINED BY TRAVERSE FROM STATION GREAT HEAD

52 001

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U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1054
MAINE LATITUDE $44^{\circ}00'$ TO $44^{\circ}30'$
LONGITUDE $68^{\circ}00'$ TO $68^{\circ}30'$
DIAGRAM NL 19-11 BANGOR

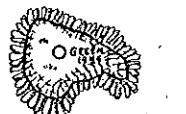
ADJUSTED HORIZONTAL CONTROL DATA

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
REV. MAY 1954

DESCRIPTION OF RECOVERABLE TOPOGRAPHIC STATION

Name **GREEN** Year **1944** Sketch for shoreline and air photograph reference
General locality **Swan Island, Maine** Sheet No. **T-8571** distances and reference points:
Locality **Green Island** Datum **North American 1927**

Chief of party **Fred. L. Peacock**
Surveyor **Harry R. Rudolph** Lat.
Checked by **W. E. Schmidt** Long.
Approximate elevation above high-water mark **30** feet
Location method: **Theodolite, King surveying rod**
Detailed description: Station is located on Green Island which is on the southern side of Swan Island, on a prominent rock ledge outcrop on the northeastern side of the top of the Island, about 60 meters south of the northern side of Island, and rock ledge is about 3 feet higher than surrounding grass area. Mark is a standard topographic Disc stamped "GREEN 1944".



GREEN ISLAND.

Object	SHORELINE REFERENCE DISTANCES			REFERENCE POINTS IDENTIFIABLE ON AIR PHOTOGRAPHS		
	Offset	Distance in meters	Direction	Offset	Distance in meters	Direction

Distances must be horizontal distances actually measured on the ground—not scaled.

Above distances measured by:
REFERENCE Topographic Manual, paragraphs 12, 29, 30, 37, and page 48, Hydrographic Manual, 1951.

16-21062-2 USE

GREEN (Hancock County, Maine, F.L.P., 1944; I.R.R., 1956).
The station was recovered in good condition. The original description is adequate and complete. It is marked by a topographic disk, stamped "GREEN 1944."

NAME OF STATION: **GREEN**STATE: **MAINE**YEAR: **1944**

THIRD

—ORDER

SOURCE: **G- 8790**

GEODETIC LATITUDE:	44°06'51.782	ELEVATION:	11	METERS
GEODETIC LONGITUDE:	68°26'50.814	SCALE:	SCALED	FEET

STATE COORDINATES (E.F.F.)				
STATE & ZONE	CODE	X	Y	θ OR Δ OR ANGLE
ME E	1801	513,801.03	102,447.04	+ 0°02'12"

PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ OR Δ OR FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEODETIQUE AZIMUTH (From south)	PLANE AZIMUTH (From south)	CODE

54 058

SEP 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

GRINDSTONE (Hancock County, Maine, F.P.W., 1860)--On the summit of a stony hill on Grindstone Neck, W side of Winter Harbor. The land is owned by Mark Bunker, who lives at the head of Sand Cove of Winter Harbor. A road from Winter Harbor passes close to the station and terminates 5/8 mile beyond, at the S end of the neck. The station is a hole drilled in a rock.

GRINDSTONE (Hancock County, Maine, F.P.W., 1860; Maine Geod.S., 1935)--The station is on Grindstone Neck, on which are now several summer cottages and a summer hotel, called the Grindstone Inn.

I found a drill hole in a ledge, on the highest part of the Neck, and it appeared to be the station, although I am not certain of the identification. About 1.5 feet NNE of the supposed station mark, and about 4 inches lower, is another drill hole, considerably larger in diameter. The point is about 35 feet ENE of the center of the traveled part of the road which passes in front of the Grindstone Inn and is some 250 feet SSE of the main entrance to the hotel. A prominent standpipe, about 8 feet in diameter, now painted light yellow, with an ornamental iron top, bears some 13° W of N from the station, distant about 253 feet. At a distance the tank looks much like a chimney. The view from the station is almost wholly obstructed by trees and buildings.

GRINDSTONE (Hancock County, Maine, F.P.W., 1860; K.G.C., 1934)--The station was recovered as described, and is almost 250 feet SSE of the entrance to a summer hotel called Grindstone Inn, on Grindstone Neck, and is approximately 253 feet E by S from the hotel standpipe (True azimuth 284°05').

The station is 35 feet ENE of the road which passes in front of the Inn. Recovery was checked by locating the position of the standpipe in the 1934 work.

The station was re-marked and two reference marks were established. Marks are standard bronze disks wedged in drill holes in outcropping bedrock. There is a large drill hole almost 1.5 feet NNE of the station.

OBJECT	DISTANCE	DIRECTION
GRINDSTONE NECK STD.		
PIPE (approx.)	253 feet	0°00'00"0
R.M.No.1	3.768 meters	122 44
R.M.No.2	4.888 meters	228 41
R.M.No.1 to R.M.No.2	6.757 meters	

GRINDSTONE (Hancock County, Maine, F.P.W., 1860; Maine Geod.S., 1935)--There seems to be an error in recovery note of K.G. Crosby 1934, for "Grindstone" is approximately 253 feet S by E from "Grindstone Neck Standpipe" and not E by S as stated. The azimuth is about 347° and not 284°.

GRINDSTONE (Hancock County, Maine, F.P.W., 1860; F.L.P., 1944)--Station recovered as described by K.G.C. in 1934, except it is S by E of the Grindstone Neck standpipe as stated by Maine Geodetic Survey, 1935. Distances to reference marks were checked. All marks are in good condition.

RECOVERY NOTE, TRIANGULATION STATION

R

NAME OF STATION: GRINDSTONE
ESTABLISHED BY: F.P.W. YEAR: 1860 STATE: Maine BENCH MARK(S) ALSO
RECOVERED BY: N.O.S. YEAR: 1965 COUNTY: Hancock

AERLINE DISTANCE AND DIRECTION FROM NEAREST TOWN: .1 miles southwest of Winter Harbor

Detailed statement as to the fitness of the original description, including marks found, stampings, changes made, and other pertinent facts:

Station mark and both RMs recovered in good condition as described in 1934 except the Grindstone Inn is gone. Hotel standpipe, GRINDSTONE NECK STANDPIPE, 1934, remains. The mark is on the east side of the road in thick growth of evergreens.

QUAD 440682 STATION 1055
MAINE LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

GRINDSTONE

NAME OF STATION: MAINE YEAR: 1860 THIRD
STATE: ORDER

SOURCE: G- 6793

GEOGRAPHIC LATITUDE: 44° 22' 51.251 68° 05' 43.734	SCALED	40	METERS FEET
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STATE COORDINATES (FXY)				
STATE & ZONE	CODE	X	Y	θ (ORΔ φ) ANGLE*
ME E	1801	605,755.39	199,854.44	+ 0° 16' 59"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE Δ ORΔ φ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From South)	PLANE AZIMUTH* (From South)	CODE
GRINDSTONE NECK STD.			1801

51 438

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1056
MAINE
LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

HADLEYS POINT (Hancock County, Maine, G.A.F., 1865)--On the point of that name, the most northerly point of Mount Desert Island. The station is about 1/2 mile S by W of the extreme point, about 1/4 mile N of the Eden-Salisbury Cove Road, and about 5/8 mile NE by N from Eden. The land was then owned by Abraham Richardson, whose house stood about 30 meters to the southward.

The station mark is a copper bolt set in a hole in a rock. RICHARDS station is on the same hill, about 250 meters to the E by N. Care should be taken not to mistake the one for the other, as they are marked in the same manner.

HADLEYS POINT (Hancock County, Maine, G.A.F., 1865; K.G.C., 1934)--On the point of land by that name, which lies in Mount Desert Narrows between Thomas Bay and Salisbury Cove and about 1/2 mile S of the N tip of the point. The station, a copper bolt set in a hole in a rock, is in an open pasture about 300 meters W of the road leading N to the point. There is a fence about 150 feet W of the road and the station is 225 feet W of this fence.

Reference mark No.1 is NE of the station, 200 feet W of the fence. Reference mark No.2 is NW of the station, 277 feet W of the fence.

To reach from Ellsworth go S on Highway 3, to the junction of Highway 198. Thence E 3 miles on Highway 3 and take road left toward shore 1/2 mile. The station is in the pasture on the left.

A 60-foot tower and tripod was erected over the station.

OBJECT	DISTANCE	DIRECTION
HIGGINS	meters	0°00'00"0
R.M. No.2	18.272	91 15 33
R.M. No.1	20.362	170 53 29
R.M. No.1 to R.M. No.2	24.782	

HADLEYS POINT (Hancock County, Maine, G.A.F., 1865; F.L.P., 1944)--Station recovered as described by K.G.C. in 1934. Station and reference marks are in good condition. Another aid in recovery is some of the remains of the signal are still there. Distances to reference marks were checked.

HADLEYS POINT

NAME OF STATION: HADLEYS POINT
STATE: MAINE YEAR: 1865 ORDER: SECOND

SOURCE: G- 6053

GEOGRAPHIC LATITUDE:	44° 26' 18.952	ELEVATION:	49	METERS
GEOGRAPHIC LONGITUDE:	68° 19' 05.882	SCALED		FEET

STATE COORDINATES (FMS)				
STATE & ZONE	CODE	X	Y	B IORΔ S ANGLE*
ME E	1801	547,455.98	220,677.31	+ 0° 07' 38"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE B IORΔ S FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE
HIGGINS	36 15 17.94	36 07 40	1801

HORIZONTAL CONTROL DATA

by the
 National Ocean Survey
 NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1057
 MAINE
 LATITUDE $44^{\circ} 00'$ TO $44^{\circ} 30'$
 LONGITUDE $68^{\circ} 00'$ TO $68^{\circ} 30'$
 DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

HADLEYS PT PEAK ROOF YEL CUP

NAME OF STATION: MAINE YEAR: 1934 THIRD - ORDER

SOURCE: G- 6793

GEOGRAPHIC LATITUDE:	44° 26' 10.220	ELEVATION:	METERS
GEOGRAPHIC LONGITUDE:	68° 18' 30.563	FEET	

STATE COORDINATES (Fwd)				
STATE & ZONE	CODE	X	Y	θ (OR Δ) ANGLE *
ME E	1801	550,020.42	219,798.96	+ 0° 08' 03"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ (OR Δ) FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH * (From south)	CODE
	0° 0' 0"	0° 0' 0"	

SEP 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEOGRAPHIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

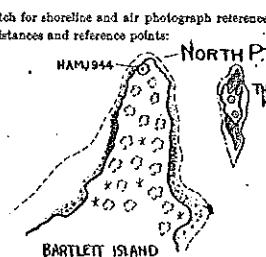
QUAD 440682 STATION 1058
MAINE
LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
BY GLAESER
REV. MAY 1934

DESCRIPTION OF RECOVERABLE TOPOGRAPHIC S

Name HAM Year 1944
General locality Blue Hill Bay Sheet No. T-8567
Locality Bartlett Island Datum N. A. 1927
Chief party Fred. L. Peacock
checked by Stanley Howarth
Checked by Raymond Glaser
Approximate elevation above high-water mark 15 feet
Location method: Diametral, Theodolite, Airphotograph
Detailed description: Station is located on the most northerly point of Bartlett Island in upper Blue Hill Bay, 24 meters from the end of Point, 29 meters from eastern side of Point, about 25 meters from northwestern side of point, and about on the center of the ridge. Mark is a standard disc stamped "HAM 1944" set in ledge rock



Object	SHORELINE REFERENCE DISTANCES			Object	REFERENCE POINTS IDENTIFIABLE ON AIR PHOTOGRAPHS		
	Distance in meters	Direction	Azimuth		Distance in meters	Direction	Azimuth
M H W L	24	00° 00'	ENE				
M H W L	29		East				

Distances must be horizontal distances actually measured on the ground—not scaled.

Above distances measured by:

REMARKS: See also paragraphs 16, 20, 21, 27, and page 68 Hydrographic Manual, 1951.

16-21062-2 GPO

HAM (Hancock County, Maine, F.L.P., 1944; I.R.R., 1956).
-The station was recovered in good condition. The original description is adequate and complete. It is marked by a topographic disk, stamped "HAM 1944."

NAME OF STATION: HAM

STATE: MAINE

YEAR: 1944

THIRD

-ORDER

SOURCE: G- 6853

GEOGRAPHIC LATITUDE: 44° 22' 31.588	ELEVATION: 1 METERS FEET
GEOGRAPHIC LONGITUDE: 68° 25' 23.347	

STATE COORDINATES (FEET)				
STATE & ZONE	CODE	X	Y	θ OR Δ ANGLE
ME E	1801	520,092.66	197,611.73	+ 0° 03' 14"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\theta = \text{OR}(\Delta \phi)$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEODETIC AZIMUTH (From east)	PLANE AZIMUTH* (From east)	CODE
	0° 0' 0"	0° 0' 0"	

52 353

SEP 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 105Y
MAINE
LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

MOUNT DESERT NARROWS, SOUTH TRANSMISSION TOWER (Hancock County, Maine, K.G.C., 1934)--The center of the transmission tower on the S side of Mount Desert Narrows at the point where Highway 3 crosses the narrows.

MOUNT DESERT NARROWS, SOUTH TRANSMISSION TOWER (Hancock County, Maine, K.G.C., 1934; F.L.P., 1944)
Station recovered in good condition as described by K.G.C. in 1934.

MOUNT DESERT NARROWS, SOUTH TRANSMISSION TOWER (Hancock County, Maine, K.G.C., 1934; I.R.R., 1956)
The station was recovered in good condition.
The original description is adequate and complete.

RECOVERY NOTE, TRIANGULATION STATION

NAME OF STATION: MOUNT DESERT NARROWS, SOUTH TRANSMISSION TOWER
ESTABLISHED BY: K.G.C. YEAR: 1934 STATE: Maine BENCHMARK(S) ALSO
RECOVERED BY: N.G.S. YEAR: 1965 COUNTY: Hancock

AIRLINE DISTANCE AND DIRECTION FROM NEAREST TOWN: 4 miles west of Salsbury Cove

Detailed statement as to the fitness of the original description; including marks found, stampings, changes made, and other pertinent facts:

Destroyed. The towers have been removed.

RECOVERY NOTE, TRIANGULATION STATION

NAME OF STATION: Mount Desert Narrows, South Transmission Tower
ESTABLISHED BY: K.G.C. YEAR: 1934 STATE: Maine BENCHMARK(S) ALSO
RECOVERED BY: L.F. Smith YEAR: 1970 COUNTY: Hancock
AIRLINE DISTANCE AND DIRECTION FROM NEAREST TOWN: 8-1/2 miles SSE of Ellsworth

Detailed statement as to the fitness of the original description; including marks found, stampings, changes made, and other pertinent facts:

Tower has been removed, however the four concrete foundations of the legs are in place.

MT DESERT NARROWS S TRANSM THR

NAME OF STATION: MT DESERT NARROWS S TRANSM THR
STATE: MAINE YEAR: 1934 THIRD ORDER

SOURCE: G- 6793

GEOGRAPHIC LATITUDE:	44° 25' 45.477	ELEVATION:	FEET
GEOGRAPHIC LONGITUDE:	68° 22' 01.594		

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	θ (OR Δ θ) ANGLE *
ME E	1801	534,713.65	217,263.19	+ 0° 05' 35"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\theta = \text{OR}(\Delta \theta)$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From north)	PLANE AZIMUTH * (From south)	CODE
	0° 0' 0"	0° 0' 0"	

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U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY • NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1060
MAINE LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

NO ORIGINAL TEXT

HARBOR ISLAND (Hancock County, Maine, J.W.D., 1875; 1911) -- On the NE part of the island of that name, which lies immediately S of Swan Island off the mouth of Burnt Coat Harbor.

The station is at the upper edge of a clearing, and near the large house belonging to Mr. Stinson, and is marked by a copper bolt set in a hole in a rock, about 118 feet WSW from the western corner of the barn.

Two reference marks are 3/4-inch drill holes filled with lead and placed, respectively, 18.14 meters NE by E and 21.25 meters SE by S from the station.

HARBOR ISLAND (Hancock County, Maine, J.W.D., 1875; F.L.P., 1944)
- Station and reference marks recovered in good condition. Reference marks are 18.14 meters ESE, and 21.27 meters SW of station instead of as given in the description. Description is adequate, except barn is no longer there, but station is 90 meters SW of the corner of the "L" of a 1-1/2 story, abandoned, unpainted house. The angle between reference marks is 94° 46'.

ADJUSTED HORIZONTAL CONTROL DATA

HARBOR ISLAND

NAME OF STATION: HARBOR ISLAND STATE: MAINE YEAR: 1875 THIRD ORDER

SOURCE: G- 6793

GEOGRAPHIC LATITUDE:	44° 07' 46.86	STATION:	21	METERS
GEOGRAPHIC LONGITUDE:	68° 26' 28.51			FEET

STATE COORDINATES (F.M.)				
STATE & ZONE	CODE	X	Y	θ - OR Δ θ ANGLE*
ME E	1801	515,424.12	108,024.92	+ 0° 02' 27"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ - OR Δ θ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE
	0° 7' *	0° 7' *	

POSITION DETERMINED BY DATUM DIFFERENCES

52 290

SEP 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY + NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1061
MAINE LATITUDE $44^{\circ} 0' 0''$ TO $44^{\circ} 30'$
LONGITUDE $68^{\circ} 0' 0''$ TO $68^{\circ} 30'$
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
BOSTON OFFICE
Rev. May 1944

DESCRIPTION OF RECOVERABLE TOPOGRAPHIC STATION

Name HARD Year 1944
General locality Blue Hill Bay, Me. Sheet No. T-8568
Locality Hardwood Id. (s. end) Datum N.A. 1927
Chief of party Fred. L. Peacock
Recorder Ruth E. Rudolph
Checked by Raymond Glaser
Approximate elevation above high-water mark 110 feet
Location method Theodolite, Theodolite, Theodolite
Detailed description Standard disc set in drill hole in ledge a little S.W. of the highest point on southern part of Hardwood Island. Station is on top of ridge running S.W. and is on range with large boulder (6') 55 m. S.E. and another very large boulder (9') down hill to S.E. at edge of trees. Drain is N.W. and W. of Station.

Sketch for shoreline and air photograph reference distances and reference points:



SHORELINE REFERENCE DISTANCES			REFERENCE POINTS IDENTIFIABLE ON AIR PHOTOGRAPHS		
Object	Distances in meters	Direction	Object	Distances in meters	Direction
	002 00'	Ashore		002 00'	Ashore

Distances must be horizontal distances actually measured on the ground—not scaled.

Above distances measured by:

REFERENCES: Topographic Manual, paragraphs 126, 22, 23, 27, and page 62; Hydrographic Manual, 1951.

19-81049-2 800

HARD (Hancock County, Maine, F.L.P., 1944; I.R.R., 1956)
The station was recovered in good condition. The original description is adequate and complete with the following addition:
The station is marked by a topographic disk, stamped "HARD 1944."

HARD
NAME OF STATION:

STATE: MAINE

YEAR: 1944

THIRD

-ORDER

SOURCE: G- 6853

GEOGRAPHIC LATITUDE: 68 27 03.062	ELEVATION: 34 METERS FEET
--------------------------------------	---------------------------------

STATE COORDINATES (Feet)

STATE & ZONE	CODE	X	Y	θ (GRΔ Δ)
ME E	1801	512,867.20	169,912.88	+ 0°02'04"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\theta = \text{tan}^{-1} \frac{dy}{dx}$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH (From south)	CODE
	0 0 0	0 0 0	

52 345

SEP 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY - NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1062
MAINE
LATITUDE $44^{\circ}00'$ TO $44^{\circ}30'$
LONGITUDE $68^{\circ}00'$ TO $68^{\circ}30'$
DIAGRAM NL 19-11 BANGOR

NO ORIGINAL TEXT

HARDWOOD ISLAND (Hancock County, Maine, G.A.F., 1863; 1911)--
On the highest hill on SE end of the island of that name, which
lies between Mount Desert Island and Long Island, about a mile W
of the former and 3/4 mile SW of Bartlett Island.

The hill is entirely bare and the station, which is marked by
a hole drilled in the rock and covered by a cairn, is about 100
yards S of a fence.

ADJUSTED HORIZONTAL CONTROL DATA

HARDWOOD ISLAND

NAME OF STATION: MAINE STATE: MAINE YEAR: 1863 ORDER: THIRD

SOURCE: G- 6793

GEOGRAPHIC LATITUDE: 44 $17'57.893$ 68 27 03.005	SLOPE: 34 METERS FEET SCALED
--	---------------------------------------

STATE COORDINATES (FRT)				
STATE & ZONE	CODE	X	Y	β (CRΔ) Δ ANGLE*
ME E	1801	512,871.35	169,892.84	+ 0° 02' 04"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE β (CRΔ) Δ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south) ° ′ ″	PLANE AZIMUTH* (From south) ° ′ ″	CODE
			52 183

JUL 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

D 440682 STATION 1063
MAINE LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA
ADJUSTMENT BY NGS

HATHAWAY (Hancock County, Maine, F.P.W., 1861)--On a rocky hill on the W coast of Prospect Harbor about midway between Bunkers and Birch Harbors.

The station is about 200 meters from the coast and is marked by a hole drilled in a rock.

HATHAWAY (Hancock County, Maine, F.P.W., 1861; Maine Geod.S., 1930)--I went to this station on August 28, 1930, and found the drill hole to be in good condition. It is covered with a small pile of stones.

The vicinity is sparsely wooded with low, scrubby pines. The land is now owned by B.M. Moore, of Prospect Harbor.

HATHAWAY (Hancock County, Maine, F.P.W., 1861; K.G.C., 1934)--On the E side of the Schoodic Peninsula on the neck of land which lies between Birch Harbor and Bunkers Harbor, about 1/4 mile W of the shore line of Prospect Harbor.

The station is on a very rugged ledge surrounded by trees, 20 feet S of the N edge of the ledge and 25 feet W of the E edge.

Reference mark No.1 is 40 feet S of the N edge and 25 feet W of the E edge of the ledge. Reference mark No.2 is 20 feet S of the N edge and 45 feet W of the E edge of the ledge.

The station is most easily reached by boat from Prospect Harbor by landing at the southernmost of two pebble beaches and walking W to the station. It can also be reached by truck by the gravel road which runs S from Birch Harbor. It is on the property owned by Mr. Byron Moore of Prospect Harbor.

A 20-foot tripod and scaffold were built over the station.

OBJECT	DISTANCE	DIRECTION
COREA	meters	0°00'00"0
R.M.No.1	6.210	123 06 18
R.M.No.2	6.820	234 04 55
R.M.No.1 to R.M.No.2	9.950	

HATHAWAY (Hancock County, Maine, F.P.W., 1861; F.L.P., 1944)'--Station and reference marks were recovered and in good condition. Reference marks checked and description is adequate. The wooden tower is still standing and when tower is destroyed the rock piles anchoring the legs will aid in the recovery of the station.

RECOVERY NOTE, TRIANGULATION STATION

NAME OF STATION: HATHAWAY
ESTABLISHED BY: F.P.W. YEAR: 1861 STATE: Maine BENCH MARK(S) ALSO
RECOVERED BY: N.G.S. YEAR: 1965 COUNTY: Hancock

AERLINE DISTANCE AND DIRECTION FROM NEAREST TOWN:

1.1 mile south-southeast of Birch Harbor

Detailed statement as to the fitness of the original description; including marks found, stumplings, changes made, and other pertinent facts:

Recovered in good condition as described in 1934 except on land of James B. Rutherford.

To reach from the junction of State Highway 186 and Schoodic Point Road, go south on Schoodic Point Road (Also called Wonsqueak Road), for 0.75 mile to a fork, take the left fork (to Moloon's Lobster Pound) and go 0.3 mile to a fork, take the left fork and go 0.1 mile on private road to land of Rutherford (may be chained at this point if not summer season), cont. ahead for 0.2 mile to end of truck travel at a dim footpath on the left. Pack northeast up the hill for about 600 feet to the station.

(Continued on next page)

NAME OF STATION: HATHAWAY
STATE: MAINE YEAR: 1861
SECOND ORDER

SOURCE: G-06793	GEOGRAPHIC LATITUDE: 44°22'31.65700 GEOGRAPHIC LONGITUDE: 68°01'44.23600	ELEVATION: SCALED	21 METERS FEET
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STATE COORDINATES (E/F)				
STATE & ZONE	CODE	X	Y	BENCH MARK ANGLE*
ME E	1801	623,159.37	197,963.36	+ 0°19'46"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\theta = \alpha - \beta$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From North)	PLANE AZIMUTH* (From South)	CODE
Corea	232 50 56.4	232 31 10	1801

THESE DATA ARE OBTAINED FROM ADJUSTMENT OF 1946

WD 066

SEP 1977
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

HATHAWAY (Continued)

HORIZONTAL CONTROL DATA

by the
NATIONAL GEODETIC SURVEY
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1063

LATITUDE ° ' TO ° '
LONGITUDE ° ' TO ° '
DIAGRAM

RECOVERY NOTE, TRIANGULATION STATION QUAD NO.

NAME OF STATION: HATHAWAY
ESTABLISHED BY: F.P.W. YEAR: 1861 STATE: Maine BENCHMARK(S) ALSO
RECOVERED BY: L.F. Smith YEAR: 1970 COUNTY: Hancock
AIRLINE DISTANCE AND DIRECTION FROM NEAREST TOWN: 1 mile SSE of Birch Harbor

Detailed statement as to the fitness of the original description; including marks found, stumplings, changes made, and other pertinent facts:

Station was recovered and all marks found in good condition, as previously described. The land is now owned by Mr. J.B. Rather. A 12-foot wooden tower has been built over the station mark, and is presently in good condition.

To reach station from the post office at Birch Harbor, go south on Wonsqueak Rd. for 0.75 mile; take left fork and follow macadam road for 0.25 mile to fork at end of macadam. Take left fork and follow track road 0.15 mile to the southeast corner of Mr. Rather's land; continue ahead for 0.2 mile to end of truck travel at power pole No. 145-6. Walk northeast across flat, brushy, tree-covered area about 200 yards to station.

SEP 1977

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1064
MAINE LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

HAYNES (Hancock County, Maine, G.A.F., 1864)--On the highest part of the prominent point of that name on the E side of Union River Bay, about 7/8 mile true N from SW Point and abreast of Hopkins Point of Newbury Neck.

The station mark is a copper bolt set in a hole in a rock.

HAYNES (Hancock County, Maine, G.A.F., 1864; K.G.C., 1934)--In Trenton Township, on the W bank of Union River Bay, on Haynes Point which lies about 1.5 miles N of the S end of this general neck of land, and is the only prominent point in the vicinity.

The station mark is a small boulder which projects about 1 foot above the grass, is 25 feet S, of the center line of the road leading to the station, 141 feet E, of the W high-water line and 77 feet N of the S high-water line.

Reference mark No.1 is 175 feet E of the W high-water line and 15 feet N of the center line of road.

Reference mark No.2 is 198 feet E of the W high-water line and 26 feet S of the center line of road.

To reach station from the Ellsworth post office, go S 9.5 miles on the road which leads along the E side of the river and turn right at a sign "J.J.E Rothery, 40 Broad St. Boston". Follow this road 0.5 mile to station.

A 20-foot frame was erected over the station.

OBJECT	DISTANCE	DIRECTION
BARTLETT	meters	0°00'00"0
R.M.No.1	16,060	231 22 00
R.M.No.2	17,200	284 01 39
R.M.No.1 to No.2	14,790	

HAYNES (Hancock County, Maine, G.A.F., 1864; F.L.P., 1944) (Previous)
Station and reference marks recovered in good condition as described by K.G.C. in 1934. Distances to reference marks were checked and found correct, except the distance to reference mark 1 was found to be 16.105 meters instead of 16.060 meters.

HAYNES (Hancock County, Maine, G.A.F., 1864; I.R.R., 1956)
The station mark and reference marks 1 and 2 were recovered in good condition. The distances to the reference marks were verified with the exception noted below. The 1934 description by K.G.C. is adequate with the following additions:

The distance to reference mark 1 was found to be 16.105 m. instead of 16,060 m.

Reference mark 1 is stamped "HAYNES 1864 1934 NO 1."

Reference mark 2 is stamped "HAYNES 1864 1934 NO 2."

NAME OF STATION: HAYNES

STATE: MAINE

YEAR: 1864

SECOND

-ORDER

G- 6053
SOURCE:

GEOGRAPHIC LATITUDE: 44° 24' 49" 559 68 25 59.469	SCALED: 1 METERS FEET
---	--------------------------

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	B. ORGΔ OR ANGLE*
ME E	1801	517,457.81	211,580.00	+ 0° 02' 48"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE B. ORGΔ OR FORMULA NEGLECTING THE SECOND TERM.

TOSTATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE
BARTLETT	358 55 54.1	358 53 06	1801

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U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY + NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

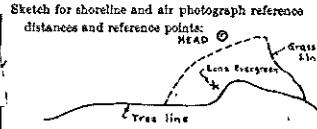
QUAD 440682 STATION 1065
MAINE
LATITUDE $44^{\circ} 00'$ TO $44^{\circ} 30'$
LONGITUDE $68^{\circ} 00'$ TO $68^{\circ} 30'$
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
BOSTON FIELD OFFICE
BOSTON, MASS.
EST. MAY 1851

DESCRIPTION OF RECOVERABLE TOPIC

Name HEAD Year 1944
General locality Jericho Bay, Maine Sheet No. T-8570
Locality Swan Id. Head Datum N.A. 1927
Listed by Fred. L. Peacock Lat. 44° 00' 00"
Surveyor Abraham L. Goncharsky Long. 68° 29' 14.68"
Checked by Walter E. Schmidt Approximate elevation above high-water mark 10 feet
Location method: Theodolite, Air photograph
Detailed description: Standard topographic disk marked "Head 1944" set in drill hole in ledge as point of land known as Swan Id. Head. Lone evergreen is 32.9 m. inshore, HNL is 8.5 m. northeast. Station is in range with islet of ledge northeast of Swan Island Head and center of Buckle Id.



SHORELINE REFERENCE DISTANCES				REFERENCE POINTS IDENTIFIABLE ON AIR PHOTOGRAPHS			
Object	Distance inches	Direction	Azimuth	Object	Distance inches	Direction	Azimuth
HNL (north)	8.5	00° 00'		Egg Rock Lt. FLP (Lone evergreen on point, 25' tall)	32.9	00° 00'	251 53

Distances must be horizontal distances actually measured on the ground—not scaled.

Above distances measured by:

See 16, 25, 30, 31, and page 32; Hydrographic Manual, 1951.

16-SM62-3 GPO

NAME OF STATION: HEAD		YEAR: 1944	THIRD ORDER	
STATE: MAINE	SOURCE: G- 8790			
GEOGRAPHIC LATITUDE: $44^{\circ} 10' 10.97''$	GEOGRAPHIC LONGITUDE: $68^{\circ} 29' 14.68''$	ELEVATION: 0 METERS FEET	SCALED	
STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	θ IORΔ θI
ME E	1801	503,302.99	122,611.22	+ 0° 00' 32"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ IORΔ θ I FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE
	0° / * *	0° / * *	

54 082

SEP 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY • NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1066
MAINE LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

HIGGINS (Hancock County, Maine, G.A.F., 1865)--On the N side of the hill on Indian Point, W side of Mount Desert Island, about 1 3/4 miles W by S from Town Hill.

The station is about 1/4 mile from the end of the point, 1/8 mile from the shore of Clarks or Northwest Cove, and 1/2 mile N of the W shore road. A branch road to Indian Point passes close to the station, which is marked by a copper bolt set in a hole in a rock. The land then belonged to Sylvanus Higgins.

HIGGINS (Hancock County, Maine, G.A.F., 1865; K.G.C., 1934)--On the NW side of Mount Desert Island, on Indian point on Western Bay, about 1/4 mile W of Northwest Cove and about 1/2 mile S of the N tip of the point.

The station is in a small outcropping ledge, surrounded by trees about 50 feet high. An old rail fence runs parallel to the road on the E side and a triangular blaze was cut in a tree in the fence line opposite the station. The station is 36 feet E of the center line of the road.

R.M.No.1, a standard bronze disk wedged in a boulder 2 feet high and 57 feet E of the center line of the road opposite the triangular blaze. Reference mark No.2, a standard bronze disk set in concrete as described in note 11a, is just E of the fence line and 40 feet N of the blaze.

To reach the station from Ellsworth, go S on Highway 3 to the junction of Highway 198. From here continue S 2 miles on Highway 198 and then turn right on surfaced road at sign "Indian Point", follow 1.6 miles and take right fork. Continue about 0.15 mile and take road right at sign Indian Point. Follow 1/2 mile to blaze on right.

A 50-foot tower was used in 1934.

OBJECT	DISTANCE	DIRECTION
WEST TRENTON	meters	0°00'00"
R.M.No.1	7.300	82 33 50
R.M.No.2	15.055	336 38 50
R.M.No.1 to R.M.No.2	18.431	

HIGGINS (Hancock County, Maine, G.A.F., 1865; F.L.P., 1944) (Previously listed)
-Station and reference marks recovered in good condition as described by K.G.C. in 1934. Distance to reference marks were checked.

HIGGINS

NAME OF STATION:

STATE: MAINE

YEAR: 1865

SECOND

-ORDER

SOURCE: G- 6053

GEOGRAPHIC LATITUDE: 44° 23' 19.756	GEOGRAPHIC LONGITUDE: 68° 22' 09.103	SCALED	40	METERS FEET
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STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	ECHΔ DIANGLE*
ME E	1801	534,192.36	202,506.96	+ 0° 05' 29"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\theta = \tan^{-1} \frac{dy}{dx}$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH (From south)	CODE
WEST TRENTON	153 16 52.90	153 11 24	1801

SEP 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY • NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1067
MAINE LATITUDE 44° 0' 00" TO 44° 30'
LONGITUDE 68° 0' 00" TO 68° 30'
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
Form 524
Rev. May 1954

DESCRIPTION OF RECOVERABLE TOPOGRAPHIC STATION

Name HOOD Year 1944
General locality Schoodic Peninsula Sheet No. T-8587

Locality Schoodic Island Datum N. A. 1927

Chief of party Fred. L. Peacock

Entered by Ruth E. Rudolph

Checked by Raymond Glaser

Approximate elevation above high-water mark 6 feet

Location method: PLANE, THEODOLITE, AIR PHOTOGRAPHIC

Detailed description: Station is located on the southern end of Schoodic Island, which is about 1 mile east of Schoodic Point, on the large ledge rock which forms the southwestern tip of the Island, just a little east of the center and highest part of ledge, and about 4 meters east of a large boulder sitting on the ledge. Mark is a standard disc stamped "HOOD 1944".

Sketch for shoreline and air photograph reference distances and reference points:



SHORELINE REFERENCE DISTANCES		
Object	Distance in meters	Direction
	00' 00'	Azimuth 00° 00'

REFERENCE POINTS IDENTIFIABLE ON AIR PHOTOGRAPHS		
Object	Distance in meters	Direction
	00' 00'	Azimuth 00° 00'

Distances must be horizontal distances actually measured on the ground—not scaled.

Above distances measured by:

DIFFERENCES: Topographic Manual, pages 24, 29, 34, 37, and page 43; Hydrographic Manual, 281.

16-21682-2 020

HOOD

NAME OF STATION:

STATE: MAINE

YEAR: 1944

THIRD

- ORDER

SOURCE: G- 6939

GEOGRAPHIC LATITUDE: 44° 19' 32.226
GEOGRAPHIC LONGITUDE: 68° 01' 59.699

SCALED BY 1 METERS
FEET

STATE COORDINATES (E/F)

STATE & ZONE	CODE	X	Y	θ (CRΔ) ANGLE*
ME E	1801	622,139.80	179,788.37	+ 0° 19' 34"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ (CRΔ) FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE
	0° 0' 0"	0° 0' 0"	

52 365

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1068
MAINE LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
Form 324
Rev. May 1964

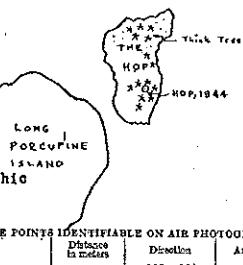
DESCRIPTION OF RECOVERABLE TOPOGRAPHIC STATION

Name HOP Year 1944
General locality Frenchmen Bay Sheet No. T-8583
Locality The Hop Datum N. A. 1927

Chief of party Fred. L. Peacock
Listed By: John M. Reinold
Checked by Harry R. Rudolph

Approximate elevation above high-water mark feet
Locator method: Theodolite, King Porcupine Rock
Detailed description: Station is located on The Hop, which is just northeast of Long Porcupine Island and about 2 miles E.N.E. of Bar Harbor. Station is on the lower and most southerly of the two humps on the Island, about 10 meters south of the highest part on prominent ledge outcrop. Mark is a standard topographic disc stamped "Hop, 1944".

Sketch for shoreline and air photograph reference distances and reference points:



Object	SHORELINE REFERENCE DISTANCES			REFERENCE POINTS IDENTIFIABLE ON AIR PHOTOGRAPHS		
	Distance in meters	Direction	Azimuth	Object	Distance in meters	Direction
	00° 00'				00° 00'	

Distances must be horizontal distances actually measured on the ground—not scaled.

Above distances measured by:

REFERENCES: Topographic Manual, paragraphs 12, 28, 38, 57, and page 12; Hydrographic Manual, Part I.

H-1068-3-270

HOP

NAME OF STATION:

STATE: MAINE

YEAR: 1944

THIRD

—ORDER

SOURCE: G- 6939

GEOGRAPHIC LATITUDE: 44° 24' 41.986	ELEVATION: 12 METERS
GEOGRAPHIC LONGITUDE: 68° 09' 22.195	FEET

STATE COORDINATES (FRT)				
STATE & ZONE	CODE	X	Y	θ (OR Δ) DI ANGLE
ME E	1801	589,843.47	210,994.71	+ 0° 14' 26"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ (OR Δ) ΔI FORMULA NEGLECTING THE SECOND TERM.

TOSTATION OR OBJECT	GEOGRAPHIC AZIMUTH (From north)	PLANE AZIMUTH * (From south)	CODE
	0° 0' 0"	0° 0' 0"	

SEP 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1069
MAINE
LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

HOPKINS (Hancock County, Maine, G.A.F., 1863)--On a bare rocky hill near the center of the southeastern part of Long Island, Blue Hill Bay.

The station is near the eastern edge of the summit and is about 3/8 mile from the eastern shore of the island, about 3/4 mile from its southermost point, and about 1/2 mile from its SE corner.

The station is marked by a copper bolt set in a hole in a rock.

HOPKINS (Hancock County, Maine, G.A.F., 1863; K.G.C., 1934)--Station recovered as described. It is on a rocky hill near the center of the southeastern part of Long Island in Blue Hill Bay. The station is on the southeastern part of the ridge forming the high part, and is about 3/8 mile from the eastern shore of the island, 1/2 mile from its SE corner.

A standard bronze disk was placed in the original drill hole; and two reference marks, standard bronze disks wedged in drill holes in outcropping bedrock, were placed as follows: No.1 is NW of the station, and No.2 is W, both on outcropping ledge.

The best way to reach the station from the beach on the SE side of the point is to go W to an open field, and then go N to clearing on top of ridge.

A 30-foot signal anchored with rocks, was built in 1934.
 OBJECT DISTANCE DIRECTION
 BARTLETT meters feet 0°00'00"0
 R.M.No.2 9.860 32.35 182 42 38
 R.M.No.1 7.400 24.28 284 22 14
 R.M.No.1 to R.M.No.2 13.475 44.21

HOPKINS (Hancock County, Maine, G.A.F., 1863; F.L.P., 1944)--Station and reference marks were recovered in good condition. Distances to reference marks were measured and checked. The description of K.G.C. in 1934 is adequate.

HOPKINS (Hancock County, Maine, G.A.F., 1863; I.R.R., 1956) (Pre-
-The station mark and reference marks 1 and 2 were recovered in good condition. The distances to the reference marks were verified. The 1934 description by K.G.C. is adequate with the following additions:

The station mark is stamped "HOPKINS 1863 1934."
 Reference mark 1 is stamped "HOPKINS 1863 1934 NO 1."
 Reference mark 2 is stamped "HOPKINS 1863 1934 NO 2."

HOPKINS

NAME OF STATION:

STATE: MAINE

YEAR: 1863

SECOND

ORDER

G- 6053
SOURCE:

GEOGRAPHIC LATITUDE: 68 29 16.476	ELEVATION: 73 METERS FEET
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STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	PLANE AZIMUTH [*]
ME E	1801	503,163.89	178,328.38	+ 0°00'30"

^{*} PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\delta \text{ azi} + \text{ formula}$ NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From South)	PLANE AZIMUTH [*] (From South)	CODE
BARTLETT	231 45 14.4	231 44 44	1801

SEP 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1070
MAINE
LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

HORSESHOE LEDGE BEACON (Hancock County, Maine, K.G.O., 1934)--
This station is the center of the top of the cask on the black
Spindle on Horseshoe Ledge, which lies about 3 1/2 miles WNW of
Great Duck Island Light, S of the western entrance to Northeast
Harbor.

HORSESHOE LEDGE BEACON (Hancock County, Maine, K.G.C., 1934;
F.L.P., 1944); Station recovered
but it is leaning badly. It is not known if it leaned in the
same direction and by the same amount when located.

HORSESHOE LEDGE BEACON (Hancock County, Maine, K.G.C., 1934;
D.F.R., 1953) - Sta-
tion was recovered as described except that description would be
clearer if it read "5 mi. S-SW of Western Way" rather than "S of
the W entrance to Northeast Harbor." Spindle was leaning several
ft. in a N direction at this recovery, however, the Coast Guard
rights them at periodic intervals.

HORSESHOE LEDGE BEACON (Hancock County, Maine, K.G.C., 1934;
J.C.E., 1956) - The
station mark was recovered leaning in a N direction. The 1953
recovery not by D.F.R. is adequate and complete.

HORSESHOE LEDGE BEACON

STATE: MAINE YEAR: 1934 THIRD ORDER

SOURCE: G- 6793

GEOGRAPHIC LATITUDE:	44° 09' 43.171	ELEVATION:	METERS
GEOGRAPHIC LONGITUDE:	68° 18' 51.417		FEET

STATE COORDINATES (EAST)				
STATE & ZONE	CODE	X	Y	θ (OR Δ) ANGLE *
ME E	1801	548,733.67	119,851.26	+ 0° 07' 46"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\theta = \Delta \alpha + \beta$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From N Lat)	PLANE AZIMUTH * (From Lat)	CODE
	0° / * / *	0° / * / *	

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HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1071
MAINE LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

HOVEY (Hancock County, Maine, F.P.W., 1860)--On a hill known as "Hoveys Ledge," at the head of Gouldsboro Harbor, and on the W side of the road leading from Gouldsboro to Steuben. The land belongs to Abel Hovey, whose house is about 200 meters SE from the station on the W side of the road. Luther Steven's house is in the locality but close to the road.

The station is marked by a hole drilled in the ledge.

HOVEY (Hancock County, Maine, F.P.W., 1860; Maine Geod.S., 1930)--I went to this station on August 14, 1930. The drill hole was in fair condition, but the station should be re-marked if it is to be preserved. There is a pile of stones over the drill hole.

It may be reached from a point on Highway 1, about 0.1 mile E of Dyer's Garage. In a nearby tree there was a Geological Survey flag, of the party of H.A. Bean.

HOVEY (Hancock County, Maine, F.P.W., 1860; K.G.C., 1934)--At the head of Gouldsboro Harbor on the western edge of Hoveys ledge which is about 150 meters N of a small store and filling station on U.S. Highway 1. This filling station is 0.7 mile E of the junction of U.S. Highway 1 and the eastern branch of Highway 186.

The station was re-marked and two reference marks were established. The marks are standard bronze disks wedged in drill holes in outcropping bedrock.

Reference mark No.1 is ESE and Reference mark No.2 is NNE of the station. The station was not occupied for the 1934 triangulation. The old observing was good.

OBJECT	DISTANCE	DIRECTION
PIGEON	meters	0°00'00"0
R.M.No.2	6.493	226 14 43
R.M.No.1	4.060	320 59 25
R.M.No.1 to R.M.No.2	7.938	

HOVEY (Hancock County, Maine, F.P.W., 1860; F.L.P., 1944)

The station and reference marks were recovered and in good condition. The distances to the reference marks were measured and checked. The description is adequate, except the station is about 3 meters N of where the ledge drops off. Reference mark 1 is NE of the station instead of ESE and reference mark 2 is NW of station instead of NNE.

RECOVERY NOTE, TRIANGULATION STATION

NAME OF STATION: HOVEY
ESTABLISHED BY: F.P.W. YEAR: 1860 STATE: Maine BENCH MARK(S) ALSO
RECOVERED BY: N.G.S. YEAR: 1965 COUNTY: Hancock

AIRLINE DISTANCE AND DIRECTION FROM NEAREST TOWN:
0.7 mile north of Gouldsboro

Detailed statement as to the fitness of the original description; including marks found, stumplings, charges made, and other pertinent facts:

Station and both RM's were recovered in good condition, as described in 1934. To reach from the junction of U.S. Highway 1 and State Highway 186 at Gouldsboro, go north on U.S. 1 for 0.7 mile to a Sinclair filling station (Joy's) on the left, continue 150 feet to the edge of the woods, pack northwest along the edge of the clearing for about 500 feet to the highest part of the hill and the station.

(Continued on next page)

NAME OF STATION:	HOVEY
STATE:	MAINE
YEAR:	1860
SECOND ORDER	
SOURCE:	G- 6053
GEOGRAPHIC LATITUDE:	44° 29' 18.940
GEOGRAPHIC LONGITUDE:	68° 02' 12.026
SCALED:	38 METERS FEET

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	θ (ORD A) ANGLE*
ME E	1801	620,907.58	239,192.53	+ 0° 19' 29"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ (ORD A) FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE
PIGEON	287° 40' 04.08	287° 20' 35'	1801

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U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

HORIZONTAL CONTROL DATA

by the
NATIONAL GEODETIC SURVEY
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1071

LATITUDE ° ' TO ° '
LONGITUDE ° ' TO ° '
DIAGRAM

HOVEY (Continued)

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
FORM 826
(REV. JAN. 1962)

RECOVERY NOTE, TRIANGULATION STATION

NAME OF STATION: HOVEY
ESTABLISHED BY: E.P.W. YEAR: 1860 STATE: Maine
RECOVERED BY: RRG YEAR: 1966 COUNTY: Hancock

Detailed statement as to the fitness of the original description; including marks found, stampings, changes made, and other pertinent facts:

The station and reference marks 1 and 2 were recovered and all in good condition. The station may be reached by going 0.15 mile north along State Highway 186 from the post office at Gouldsboro, thence 0.7 mile northeast along U. S. Highway 1, thence 0.1 mile northwest across country to top of hill and station site. On property owned by Mrs. Lawrence Joy in 1966. On ledge of rock locally known as Hovey's Ledge, set on the top of a large mass of bedrock which is at the highest part of hill, 12 feet north of the south edge of ledge, 11 feet east of the west edge of the ledge and set flush with ledge. It is stamped HOVEY 1860 1934.

R. M. 1 is 13.2 feet southeast of the station, 25.8 feet south of RM No. 2 12 $\frac{1}{2}$ feet east of the west edge of ledge and stamped HOVEY NO 1 1934.

R. M. NO 2 is 21.2 feet northeast of the station, 25.8 feet north of RM No. 1 and stamped HOVEY NO 2 1934. Bench Mark F 169 1966 is about 0.15 mile southeast of the station and if station is to be re-occupied could be used as an azimuth. The bench mark is set in the top of a large mass of bedrock and 103 feet northwest of the center line of the highway.

Name of party should be inserted here. The officer who actually visited the station should sign his name at the end of the recovery note.

Note.—One of these forms must be used for every station recovered.

COSM FORM A1227

SEP 1977

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1072
MAINE LATITUDE $44^{\circ} 00'$ TO $44^{\circ} 30'$
LONGITUDE $68^{\circ} 00'$ TO $68^{\circ} 30'$
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
Form 534
Rev. May 1964

DESCRIPTION OF RECOVERABLE TOPOGRAPHIC STATION

Name **HULL** Year 1944
General locality **Frenchman Bay** Sheet No. T-8563
Locality **Hull's Cove** Datum N. A. 1927

Chief of party **Fred. L. Peacock**
Listed By **John M. Reinoldi**

Checked by **Harry R. Rudolph**

Approximate elevation above high-water mark **6** feet

Location method: **Theodolite, ~~Plane table~~, ~~Stadia rod~~**

Detailed description: Station is on the south side of Frenchman Bay, about 1000 meters southeast of the head of Hull's Cove, 150 meters northwest of northwest end of rocky bluff under road, on the most northerly part of a rock point between two gravel beaches, 2 meters from High-Water Line, 14.6 meters from the westerly end of a 5' high plaster wall, and 6.5 meters outside grass line. Standard topographic disc, stamped "Hull, 1944".

SHORELINE REFERENCE DISTANCES

Object	Distance in meters	Direction	Azimuth
		00° 00'	

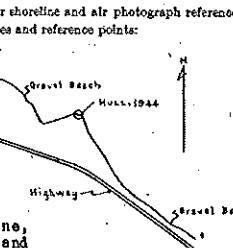
REFERENCE POINTS IDENTIFIABLE ON AIR PHOTOGRAPHS

Object	Distance in meters	Direction	Azimuth
		00° 00'	

Distances must be horizontal distances actually measured on the ground—not scaled.

Above distances measured by:

REFERENCES: Topographic Manual, paragraphs 12, 22, 32, 37, and page 25; Hydrographic Manual, 1951.

NAME OF STATION: **HULL**STATE: **MAINE**YEAR: **1944**

THIRD

-ORDER

SOURCE: **G- 6939**

GEOGRAPHIC LATITUDE: **44° 24' 34.802**
GEOGRAPHIC LONGITUDE: **68° 14' 27.568**

SCALED: **1** METERS
FEET

STATE COORDINATES (Feet)

STATE & ZONE	CODE	X	Y	$\theta \text{ ICR} \Delta \text{ azi angle}^*$
ME E	1801	567,680.91	210,185.67	+ 0° 10' 53"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\theta \text{ ICR} \Delta \text{ azi}$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From sketch)	PLANE AZIMUTH (From sketch)	CODE

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1073
MAINE
LATITUDE $44^{\circ}00'$ TO $44^{\circ}30'$
LONGITUDE $68^{\circ}00'$ TO $68^{\circ}30'$
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

IRESON (Hancock County, Maine, K.G.C., 1934)--The station is on the N side of Mount Desert Island, 3 1/2 miles NW of Bar Harbor and 9 1/2 miles SE of Ellsworth. Hanibal Hamlin and O.W. Tapley of Ellsworth own the land.

The station mark is on the summit or 70 feet SW of probable summit. It is 12 feet W of center line of wood road and 40 feet W of W gutter of a crushed stone road now grown over by white birches, both roads being parallel in a N and S direction at this point.

The station and Reference mark No.2 are standard bronze disks set in concrete.

Reference mark No.1 is a standard bronze disk wedged in a drill hole in outcropping bedrock. It is a rough ledge about 55 feet N of center line of woods road and 32 feet NE of a 4-foot sharp ridged rock which extends about 1 1/2 feet out of the ground, and is 60.41 feet SSW of station.

Reference mark No.2 is about 38 feet W of center line of woods road and 20 feet SSE of 3-foot square rock which extends about 1 1/2 feet out of the ground. It is 46.79 feet WNW of station.

To reach from junction of Highways 3 and 198, go E on Highway 3 about 5 1/2 miles to the top of a hill and take woods road left just beyond summit. Follow 0.1 mile to fork, take left 0.1 mile to station.

A 60-foot signal was used.

OBJECT	DISTANCE	DIRECTION
TRENTON POINT	meters	$0^{\circ}00'00''$
R.M.No.1	18.414	251 34 42.
R.M.No.2	14.260	332 21 08
R.M.No.1 to R.M.No.2	21.415	

IRESON (Hancock County, Maine, K.G.C., 1934; F.L.P., 1944)
-Station and reference marks recovered as described by K.G.C. in 1934, except that the crushed stone road mentioned in the description as being grown over with birch trees, is now being traveled. Distances to reference marks were checked.

IRESON

NAME OF STATION:

STATE: MAINE

YEAR: 1934

SECOND

-ORDER

SOURCE: G- 6053

GEOGRAPHIC LATITUDE:	44 $^{\circ}$ 25 ' 55.202	ELEVATION:	70	METERS
GEOGRAPHIC LONGITUDE:	68 15 49.962	SCALED		FEET

STATE COORDINATES (EAST)				
STATE & ZONE	CODE	X	Y	θ OR Δ DIANGLE*
ME E	1801	561,676.83	218,308.71	+ $0^{\circ}09'55''$

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ OR Δ DIANGLE FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE
TRENTON POINT	139 15 40.3	139 05 45	1801

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U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1074
MAINE LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY
Form 531
Rev. May 1954

DESCRIPTION OF RECOVERABLE TOPOGRAPHIC STATION

Name	IRISH	Year	1944	Sketch for shoreline and air photograph reference
General locality	Swan Island, Maine	Sheet No.	T-8570	distances and reference points:
Locality	Toothacher Bay	Datum	N.A. 1927	
Chief of party	Fred. L. Peacock			
Checked by	Abraham L. Goncharsky	Lat.		
Checked by	Walter E. Schmidt	Long.		
Approximate elevation above high-water mark	20 feet			
Location method	THEODOLITE, THEODOLITE			
Detailed description: Station is located on the tip of Irish Point on the southwest side of Swan Island. Mark is on about the center of the point, on a conspicuous rock point which is about 10 feet higher than the surrounding area, about 1 meter in from end and both sides of small rocky point. It is about 25 meters north of the high water line. Mark is a standard topographic station disc stamped "Irish 1944".				
SHORELINE REFERENCE DISTANCES		REFERENCE POINTS IDENTIFIABLE ON AIR PHOTOGRAPHS		
Object	Distances in meters	Object	Distances in meters	Azimuth
	00° 00'		00° 00'	

DISTANCES SHOWN ARE
NOT ACTUALLY MEASURED ON THE GROUND—not scaled.
Above distances measured by:
REFERENCES: Topographic Manual, paragraphs 14, 29, 31, 37, and page 48; Hydrographic Manual, 1951.

IRISH (Hancock County, Maine, F.L.P., 1944; I.R.R., 1956)
The station was recovered in good condition. The station mark is a standard topographic disk, stamped "IRISH 1944." The original description is adequate and complete.

IRISH

NAME OF STATION: MAINE

YEAR: 1944

THIRD

-ORDER

SOURCE: G- 8790

GEOGRAPHIC LATITUDE:	44° 08' 33".332	ELEVATION:	6	METERS
GEOGRAPHIC LONGITUDE:	68° 29' 08.918	SCALED		FEET

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	Z (OR Δ DIANGLE)
ME E	1801	503,724.64	112,725.15	+ 0° 00' 36"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\theta = \tan^{-1}(\frac{dy}{dx})$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH (From south)	CODE
	0° 0' *	0° 0' *	

54 065

SEP 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY • NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

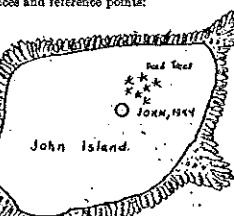
QUAD 440682 STATION 1075
MAINE
LATITUDE $44^{\circ} 00'$ TO $44^{\circ} 30'$
LONGITUDE $68^{\circ} 00'$ TO $68^{\circ} 30'$
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
Form 124
Rev. May 1964

DESCRIPTION OF RECOVERABLE TOPOGRAPHIC STATION

Name	John	Year	1944	Sketch for shoreline and air photograph reference distances and reference points:																								
General locality	Swan Island, Maine	Sheet No.	T-8571																									
Locality	John Island	Datum	N. A. 1927																									
Chief of party	Fred. L. Peacock																											
Surveyor	Harry R. Rudolph	Lat.																										
Checked by	W. E. Schmidt	Long.																										
Approximate elevation above high-water mark: 40 feet																												
Location method: Theodolite, Theodolite, Theodolite																												
Detailed description: Station is located on the highest part of John Island, which is about 1 mile southwest of Swan Island and 1 mile east of Long Island. Mark is set in ledge rock outcrop that extends N.W. and S.E., is about 10 feet above surrounding ground, and 5 meters from N.W. end of ledge. Mark is a Standard triangulation disc stamped "JOHN 1944".																												
<table border="1"> <thead> <tr> <th colspan="4">SHORELINE REFERENCE DISTANCES</th> <th colspan="4">REFERENCE POINTS IDENTIFIABLE ON AIR PHOTOGRAPHS</th> </tr> <tr> <th>Object</th> <th>Distance to object</th> <th>Direction</th> <th>Azimuth</th> <th>Object</th> <th>Distance to object</th> <th>Direction</th> <th>Azimuth</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>00° 00'</td> <td></td> <td></td> <td></td> <td>00° 00'</td> <td></td> </tr> </tbody> </table>					SHORELINE REFERENCE DISTANCES				REFERENCE POINTS IDENTIFIABLE ON AIR PHOTOGRAPHS				Object	Distance to object	Direction	Azimuth	Object	Distance to object	Direction	Azimuth			00° 00'				00° 00'	
SHORELINE REFERENCE DISTANCES				REFERENCE POINTS IDENTIFIABLE ON AIR PHOTOGRAPHS																								
Object	Distance to object	Direction	Azimuth	Object	Distance to object	Direction	Azimuth																					
		00° 00'				00° 00'																						



DISTANCES REFER TO HORIZONTAL DISTANCES ACTUALLY MEASURED ON THE GROUND—not scaled.

Above distances measured by:

REFERENCES: Topographic Manual, paragraphs 16, 20, 30, 37, and page 42; Hydrographic Manual, 25th.

JOHN (Hancock County, Maine, F.L.P., 1944; I.R.R., 1956)
The station was recovered in good condition. The original description is adequate and complete. It is marked by a topographic disk, stamped "JOHN 1944."

NAME OF STATION: JOHN
STATE: MAINE YEAR: 1944 THIRD ORDER

SOURCE: G- 8790

GEOGRAPHIC LATITUDE: 68° 24' 17.727	ELEVATION: 23 METERS FEET
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STATE COORDINATES (E.E.)				
STATE & ZONE	CODE	X	Y	B (OR Δ) ANGLE*
ME E	1801	524,970.55	100,823.46	+ 0° 03' 58"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ (OR Δ) FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE
	0 0 0	0 0 0	

54 057

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U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY • NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682

STATION 1076

MAINE

LATITUDE 44° 00' TO 44° 30'

LONGITUDE 68° 00' TO 68° 30'

DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

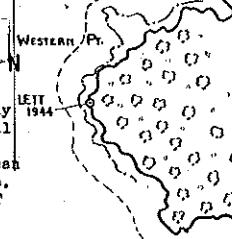
DEPARTMENT OF COMMERCE
U. S. COAST AND ATMOSPHERIC SURVEY
Form 681
Rev. May 1964

DESCRIPTION OF RECOVERABLE TOPOGRAPHIC STATION

Name LETT
General locality Blue Hill Bay
Locality Bartlett Island
Chief of party Fred. L. Peacock
Listed by S. Howarth
Checked by Raymond Glaser
Approximate elevation above high-water mark 7 feet
Location method: Prism reflector, Theodolite, Air photograph
Detailed description: Station is located on the most westerly point (Western Point) of Bartlett Island in Blue Hill Bay, on the southern part of double like point, 3 meters inshore from MHW Line, 4 meters north of Mean H. W. Line, and about 6 meters outside of wood line. Station is marked with a standard disc stamped "LETT 1944" set in ledge rock.

Year 1944
Sheet No. T-8567
Datum N. A. 1927

Sketch for shoreline and air photograph reference distances and reference points.



Object	SHORELINE REFERENCE DISTANCES		Azimuth	Object	REFERENCE POINTS IDENTIFIABLE ON AIR PHOTOGRAPHS	
	Distance in meters	Direction			Distance in meters	Direction
MHWL	3	West	00° 00'			
MHWL	4	South			00° 00'	

Distances must be horizontal distances actually measured on the ground—not scaled.

Above distances measured by: Air photographs 12, 22, 23, 27, and 1944; Hydrographic Manual, MSL.

18-1064-3 690

LETT (Hancock County, Maine, F.L.P., 1944; I.R.R., 1956).
The station was recovered in good condition. The original description is adequate and complete. It is marked by a topographic disk, stamped "LETT 1944."

LETT

NAME OF STATION:

STATE: MAINE

YEAR: 1944

THIRD

- ORDER

SOURCE: G- 6853

GEOGRAPHIC LATITUDE: 68 27 26.558	SCALED:	1	METERS FEET
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STATE COORDINATES (FCC)				
STATE & ZONE	CODE	X	Y	θ OR Δ OR ANGLE *
ME E	1801	511,150.02	186,288.56	+ 0° 01' 47"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ OR Δ OR FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH * (From south)	CODE
	0° 0' 0"	0° 0' 0"	

52 348

SEP 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY • NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1077
MAINE
LATITUDE $44^{\circ}00'$ TO $44^{\circ}30'$
LONGITUDE $68^{\circ}00'$ TO $68^{\circ}30'$
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
Form 35
Rev. May 1964

DESCRIPTION OF RECOVERABLE TOPOGRAPHIC STATION

Name Levi Year 1944
General locality Mt. Desert Island Sheet No. T-8583

Locality Hull's Cove Datum N. A. 1927

Chief of party Fred. L. Peacock

Listed by John M. Reinoldi

Checked by Harry R. Rudolph

Approximate elevation above high-water mark 6 feet

Location method Theodolite, Altimeter

Detailed description Station is located on Cape Levi on the

southwestern side of Frenchman Bay, about $3\frac{1}{2}$ miles

northwest of Bar Harbor, about 200 meters north of

an outdoor swimming pool on the beach, about 30

meters S.S.E. of a small point where shoreline breaks

to west for about 50 meters, on a piece of ledge rock that is about

4 meters outside of tree & grass line; and drops off on east, north, and west sides

and about 2 meters from M.H.W. Line. Mark is a standard disc stamped "Levi, 1944".

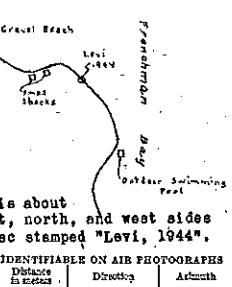
SHORELINE REFERENCE DISTANCES

Object	Distance in meters	Direction	Azimuth
	00° 00'		

REFERENCE POINTS IDENTIFIABLE ON AIR PHOTOGRAPHS

Object	Distance in meters	Direction	Azimuth
	00° 00'		

Sketch for shoreline and air photograph references
distances and reference points:



Distances must be horizontal distances actually measured on the ground—not scaled.

Above distances measured by:

REFERENCES: Topographic Manual, paragraphs 104, 29, 30, 37, and page 24 Hydrographic Manual, 1951.

SA-3156F-3 4-60

NAME OF STATION: LEVI

STATE: MAINE

YEAR: 1944

THIRD

-ORDER

SOURCE: G- 6939

GEOGRAPHIC LATITUDE: $44^{\circ}25'50.215$	ELEVATION: 3 METERS FEET
GEOGRAPHIC LONGITUDE: $68^{\circ}14'46.445$	

STATE COORDINATES (Feet)

STATE & ZONE	CODE	X	Y	B IORΔ φ
ME E	1801	566,287.04	217,817.53	$\pm 0^{\circ}10'40''$

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $B(\text{IOR}\Delta\phi)$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE
	0 0 0	0 0 0	

52 370

SEP 1977

U. S. DEPARTMENT OF COMMERCE
 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
 NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
 National Ocean Survey
 NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1078
 MAINE LATITUDE 44° 00' TO 44° 30'
 LONGITUDE 68° 00' TO 68° 30'
 DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

DEPARTMENT OF COMMERCE
 U. S. COAST AND ATMOSPHERIC SURVEY
 Form 524
 Rev. May 1944

DESCRIPTION OF RECOVERABLE TOPOGRAPHIC STATION

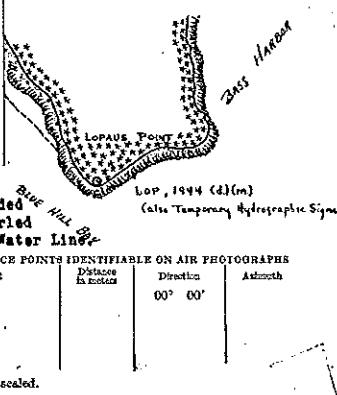
Name Lop Year 1944
 General locality Mt. Desert Island, Maine Sheet No. F-8573
 Locality Lopau Point Datum N. A. 1987

Chief of party Fred. L. Peacock
 Listers Florence M. Hammond
 Checked by Abraham L. Goncharsky

Approximate elevation above high-water mark 4 feet
 Location method: Prism, Theodolite, ~~xx~~
 Detailed description: Station is a standard topographic disk, stamped "Lop, 1944", set in drill hole in ledge rock, located on Lopau Point, which forms the western side of Bass Harbor. Station is on the most southerly tip of Point, 15.9 meters S.S.W. of center of south side of log cabin, 2.7 meters west of extended line of west side of log cabin, 2 meters S.W. of gnarled 24" evergreen tree, and 10 meters back of Mean High-Water Line.

Object	SHORELINE REFERENCE DISTANCES			REFERENCE POINTS IDENTIFIABLE ON AIR PHOTOGRAPHS			
	Distance in meters	Direction	Azimuth	Object	Distance in meters	Direction	Azimuth
M.H.W.L.	10	00° 00' South			00° 00'		

Distances must be horizontal distances actually measured on the ground—not scaled.

Above distances measured by:
 REFERENCES: Technical Manual paragraphs 16, 29, 30, 37, and page 62, Hydrographic Manual, 1951.Sketch for shoreline and air photograph reference
 distances and reference points:

LOP
 NAME OF STATION: MAINE
 STATE: YEAR: 1944

THIRD

- ORDER

SOURCE: G- 8790

GEODETIC LATITUDE: 44° 13' 36.325 68° 21' 54.950	ELEVATION: 12 METERS FEET
--	---------------------------------

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	θ ICRΔ φ I Angle
ME E	1801	535,317.07	143,432.90	+ 0° 05' 38"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ ICRΔ φ I FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEODETIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE
	0° / °	0° / °	

SEP 1977

U.S. DEPARTMENT OF COMMERCE
 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
 NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
 National Ocean Survey
 NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1079
 MAINE
 LATITUDE 44° 00' TO 44° 30'
 LONGITUDE 68° 00' TO 68° 30'
 DIAGRAM NL 19-11 BANGOR

MARLBORO (Hancock County, Maine, K.G.C., 1934)--Station is located in Marlboro, 8 miles SE of Ellsworth and 7 1/2 miles NNW of Bar Harbor.

Otto Johnson, who lives in the house just E of the site, owns the land.

Station mark is a standard bronze disk in a small boulder with about 3 square feet of surface exposed, in an open blueberry field. It is about 180 feet NNW of telephone pole No.142 and about 175 feet NNE of SW corner of property. It is about 80 feet SSE of the highest point in field at the W end.

Reference mark No.1, a standard bronze disk wedged in a drill hole in outcropping bedrock, is 22.81 feet SSW of station and about 160 feet NW of telephone pole.

Reference mark No.2, a standard bronze disk in a 3-foot round-top boulder, is 35.39 feet WSW of station and about 180 feet NNE of SW corner of property and 175 feet NW of telephone pole No.142.

Reached from junctions of Highways 1 and 3, (1 mile S of Ellsworth) by following Highway 1, E about 1 mile and take Highway 184 S 8.5 miles, and turn left on to good gravel road, follow 0.8 mile and take right fork, follow 1.4 and keep straight ahead, follow 0.5 mile to telephone pole No.142.

A 30-foot signal was used.

OBJECT	DISTANCE	DIRECTION
TRENTON POINT	meters	0°00'00"0
R.M.No.2	10,785	9 46 16
R.M.No.1	6,963	312 22 37
R.M.No.1 to R.M.No.2	9,156	

MARLBORO (Hancock County, Maine, K.G.C., 1934; F.L.P., 1944)(Recovered in good condition. Station and reference marks measured and check. Description adequate.)

ADJUSTED HORIZONTAL CONTROL DATA

MARLBORO

NAME OF STATION:	MAINE	YEAR:	1934	SECOND	-ORDER
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SOURCE: G- 6053

GEOGRAPHIC LATITUDE:	44° 28' 52.533	ELEVATION:	31	METERS
GEOGRAPHIC LONGITUDE:	68° 16' 44.026	SCALED		FEET

STATE COORDINATES (FCC)				
STATE & ZONE	CODE	X	Y	Z (OR Δ) DI ANGLE*
ME E	1801	557,705.53	236,254.01	+ 0° 09' 18"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\theta = \tan^{-1} \frac{dy}{dx}$ FORMULA NEGLIGENT THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From North)	PLANE AZIMUTH* (From South)	CODE
TRENTON POINT	52° 28' 03.0	52° 18' 45	1801

51 280

SEP 1977

U. S. DEPARTMENT OF COMMERCE
 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
 NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
 National Ocean Survey
 NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1080
 MAINE LATITUDE $44^{\circ}00'$ TO $44^{\circ}30'$
 LONGITUDE $68^{\circ}00'$ TO $68^{\circ}30'$
 DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

MARLBORO, OLD POINT, BARN CUPOLA (Hancock County, Maine, K.G.C., 1934)--The barn cupola at Old Point in the town of Marlboro. It has green shutters and a wooden ball at the peak of its shingled roof.

MARLBORO, OLD POINT, BARN CUPOLA (Hancock County, Maine, K.G.C., 1934; F.L.P., 1944) Station re-covered in good condition except there is no bell on top of cupola, but about a foot of the pole ball support remains.

The following addition should be made to the description: Barn is about 60 meters NW of the macadam road that runs SW and NE through the town of Marlboro, about 60 meters SW of where macadam road turns from S to SSW and a gravel road from Old Point joins from the SE. There is a two-chimney white house just to the SW of barn.

MARLBORO OLD POINT BARN CUPOLA

NAME OF STATION: STATE: MAINE YEAR: 1934 THIRD - ORDER

SOURCE: G- 6793

GEOGRAPHIC LATITUDE: 44° 28' 33.661	ELEVATION:	METERS
GEOGRAPHIC LONGITUDE: 68° 16' 18.451		FEET

STATE COORDINATES (EAST)				
STATE & ZONE	CODE	X	Y	$\theta \text{ IOR} \Delta \text{ R1 ANGLE}$ *
ME E	1801	559,564.97	234,348.15	+ 0° 09' 36"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\theta \text{ IOR} \Delta \text{ R1}$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH ^b (From south)	CODE
	0° 7' *	0° 7' *	

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U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY • NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1081
MAINE
LATITUDE $44^{\circ} 00'$ TO $44^{\circ} 30'$
LONGITUDE $68^{\circ} 00'$ TO $68^{\circ} 30'$
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
Form 524
Rev. May 1924

DESCRIPTION OF RECOVERABLE TOPOGRAPHIC STATION

Name MASON Year 1944 Sketch for shoreline and air photograph reference
General locality Swan Island, Maine Sheet No 1-8554
Locality Mason Ledge Datum N. A. 1927

Chief party Fred. L. Peacock
Checklist Florence M. Senasack

Checked by Harry R. Rudolph

Approximate elevation above high-water mark 30 feet
Location method: Photo by Starck Theodolite, Approximate
Detailed description: Station is on Mason Ledge which is about
1/2 mile east of the southern tip of Marshall Island, on
about the center of the western side of high ridge
which runs in a north and south direction, about 1 meter in from western edge of
ridge and about equal distance from the north and south ends. Mark is set in the
only flat rock ledge outcrop in the immediate vicinity. Mark is a standard
topographic disc stamped "MASON, 1944".



Object	SHORELINE REFERENCE DISTANCES			REFERENCE POINTS IDENTIFIABLE ON AIR PHOTOGRAPHS			
	Distance in miles	Distance in degrees	Direction	Object	Distance in miles	Direction	Azimuth
			00° 00'	Ashore			
				Burnt Coat L. H.		00° 00'	
				Sub. Sta.	39.0	16 32	

Actually measured on the ground—not scaled.

Above distances measured by:

REFERENCES: Topographic Manual, paragraphs 16, 29, 31, 37, and page 82; Hydrographic Manual, 1951.

15-21062-9 600

MASON (Hancock County, Maine, F.L.P., 1944; I.R.R., 1956)

The station was recovered in good condition. The original description is adequate and complete with the following addition:

It is marked by a topographic disk, stamped "MASON 1944."

NAME OF STATION: MASON

STATE: MAINE

YEAR: 1944

THIRD

-ORDER

SOURCE: G- 8790

GEOGRAPHIC LATITUDE: 68 29 17.677	SCALED: 9 METERS FEET
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STATE COORDINATES (Feet)

STATE & ZONE	CODE	X	Y	θ (CRA DIANGLE*)
ME E	1801	503,088.32	96,333.61	+ 0° 00' 30"

*PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\theta = \text{CRA} + \Delta \beta$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE
	° ° *	° ° *	

54 060

SEP 1977
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1082
MAINE
LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

NO ORIGINAL TEXT

McFARLAND'S, S.N., HOUSE CHIMNEY (Hancock County, Maine, G.A.F., 1865; K.G.C., 1934) -- The station is lost.

McFARLAND'S, S.N., HOUSE CHIMNEY (Hancock County, Maine, G.A.E., 1865; F.L.P., 1944). -A house which is claimed to be the original S.N. McFarland house was found about 150 meters SE of the plotted position. It is supposed to have been built prior to 1865, but it was not known if the chimney had been changed. The information was obtained from S.N. McFarland's daughter.

House is located on Crabtree Neck, about 600 meters from the end of the point, on the E side of the road down the center of the neck, about 100 meters N of Hancock Point Post Office, and just N of a dirt road. House is in the shape of an "I", with the chimney on the N part of the center section, and there is a cupola on the N section of the house.

ADJUSTED HORIZONTAL CONTROL DATA

MC FARLANDS S N HOUSE CHIMNEY

STATE: MAINE YEAR: 1865 ORDER:

SOURCE: G- 6793

GEOGRAPHIC LATITUDE:	44° 28' 09.31"	ELEVATION:	METERS
GEOGRAPHIC LONGITUDE:	68° 13' 51.06"		FEET

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	PLANE AZIMUTH*
ME E	1801	570,259.41	231,914.90	+ 0° 11' 19"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE β (OR $\Delta \alpha$) FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE
	0° 2' *	0° 1' *	

POSITION DETERMINED BY DATUM DIFFERENCES

52 043

SEP 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1083
MAINE
LATITUDE $44^{\circ}00'$ TO $44^{\circ}30'$
LONGITUDE $68^{\circ}00'$ TO $68^{\circ}30'$
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

MEADOW PT BRICK CHIM WITH VENT

NAME OF STATION: MAINE YEAR: 1944 THIRD ORDER

SOURCE: G- 6939

GEOGRAPHIC LATITUDE:	44° 27' 30.258	ELEVATION:	METERS
GEOGRAPHIC LONGITUDE:	68° 16' 15.684		FEET

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	θ OR Δ HI ANGLE*
ME E	1801	559,783.56	227,928.61	+ 0° 09' 37"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ OR Δ HI FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY
EX-1944
Rev. May 1934

DESCRIPTION OF RECOVERABLE TOPOGRAPHIC STATION

Name Meadow Pt. Brick Chimney with Year 1944
General locality Frenchman Bay Sheet No. T-6577
Locality Meadow Point Datum North American
Chief of party Fred. L. Peacock
Listed by Harry R. Rudolph
Checked by Florence M. Hammond

Approximate elevation above high-water mark, 30 feet
Location method, Theodolite, Altimeter
Detailed description: Station is the large brick chimney at the southeast corner of the shingle summer cottage belonging to Dr. Edward Young of Boston, located on Meadow Point on the west side of SKILLINGS RIVER. Station is 30 meters north of top of bank, 16 meters west of top of bank, and 3 meters west of southeast corner. Chimney extends to ground and sets on part of the house foundation. It now has a galvanized iron Liverpool head which is removed in the winter time.

SHORELINE REFERENCED DISTANCES

Object	Distance	Direction	Azimuth	Object	Distance	Direction	Azimuth
			00° 00'				00° 00'

REFERENCE POINTS IDENTIFIABLE ON AIR PHOTOGRAPHS

Object	Distance	Direction	Azimuth
			00° 00'

Distances must be horizontal distances actually measured on the ground—not scaled.

Above distances measured by:

REFERENCES: Topographic Manual, paragraphs 10, 29, 31, 37, and page 82; Hydrographic Manual, 2nd Ed.

18-21063-2 670

52 383

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U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY - NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1084
MAINE LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

MORGAN 2 (Hancock County, Maine; K.G.C., 1934)--The station is on summit of what is known locally as "High Head" on the W shore of the mouth of Morgan Bay, 1 1/4 miles E of East Blue Hill, and 5 1/4 miles S of Surry.

Land is owned by Dr. Milliken. The station is on High Head; a wooded ledge, the summit of which is 175 feet long in a N & S direction. The station is at the northerly part of the summit and where summit is at its widest E & W direction of 90 feet.

The station and reference marks are standard bronze disks wedged in drill holes in outcropping bedrock. Station is on a ledge 10 feet E of W edge of summit. The showing ledge which is 10 feet wide with the 25-foot long side sloping down grade in a NNW direction. The mark is 6.8 feet NW of the high corner of the ledge and 10 feet E of a 1-foot face on W side. It is 7.8 feet SSE of center of a triangular depression in showing ledge.

Reference mark No.1, is 37.96 feet E of station in a moss-covered ledge and 73 feet SW of a 2-foot higher ledge. Reference mark No.2 is 21.24 feet SSE of station and 14.0 feet N of a rounded top 4 by 6 feet showing ledge in path to station.

To reach from East Blue Hill at sign "Shore road to Ellsworth", go E one mile and take left fork, follow 0.3 mile and come to clubhouse and dock, follow N along path following shore line about 1/4 mile to sign "HIGH HEAD." Take path to left indicated by this sign and follow to summit of hill.

OBJECT	DISTANCE	DIRECTION
SMITH	meters	0°00'00"0
R.M.No.1	11.670	51 50 23
R.M.No.2	6.473	139 29 45
R.M.No.1 to R.M.No.2	13.020	

Height of telescope above station mark - 6 meters.
A 20-foot signal was used.

MORGAN 2 (Hancock County, Maine, K.G.C., 1934; I.R.R., 1956)

-The station mark and reference marks 1 and 2 were recovered in good condition. The distances to the reference marks were verified. The original description is adequate with the following additions:

The station mark is stamped "MORGAN 2 1934."

Reference mark 1 is stamped "MORGAN 2 1934 NO 1."

Reference mark 2 is stamped "MORGAN 2 1934 NO 2."

MORGAN 2

NAME OF STATION: MORGAN 2
STATE: MAINE YEAR: 1934 ORDER: SECOND

SOURCE: G- 6053

GEOGRAPHIC LATITUDE: GEOGRAPHIC LONGITUDE:	44° 25' 19.749 68 29 55.340	STATION: 67 SCALED: METERS FEET
---	--------------------------------	---------------------------------------

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	θ IORΔ φI ANGLE *
ME E	1801	500,338.17	214,629.85	+ 0° 00' 03"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ IORΔ φI FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH * (From south)	CODE
SMITH	210 58 31.1	210 58 28	1801

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U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY • NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1085
MAINE
LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

NAME OF STATION: NEWPORT

STATE: MAINE

YEAR: 1860

THIRD

-ORDER

SOURCE: G- 6793

GEOGRAPHIC LATITUDE:	44° 21' 02.333	SECTION:	322	METERS
GEOGRAPHIC LONGITUDE:	68° 11' 40.422	SUBSECTION:		FEET

STATE COORDINATES (Feet)

STATE & ZONE	CODE	X	Y	θ OR Δ ANGLE*
ME E	1801	579,893.48	188,713.51	+ 0° 12' 49"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\theta = \text{OR} \Delta \phi$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE
MAG. NORTH	° ° *	° ° *	1801

51 432

SEP 1977

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY • NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682

STATION 1086

MAINE

LATITUDE $44^{\circ} 00'$ TO $44^{\circ} 30'$ LONGITUDE $68^{\circ} 00'$ TO $68^{\circ} 30'$

DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
Form 521
Rev. May 1954

DESCRIPTION OF RECOVERABLE TOPOGRAPHIC STATION

Name OAK Year 1944
General locality Union River Bay Sheet No. T-8566
Locality Oak Point Datum N.A. 1927
Chief of party Fred L. Peacock
Listed by Leo J. Kornetsky
Checked by Ruth E. Rudolph
Approximate elevation above high-water mark feet
Location method: Phototriangulation
Detailed description: Station is located east of Union River Bay about 10.0 miles south of Ellsworth, Maine, 1.14 miles south of Haynes Point and 0.3 miles southeast of southwest point on the southwest side of Oak Point. Mark is a standard topo disc stamped "OAK 1944" set in a 3' x 3' boulder 3 meters south of the bluff line and 2 meters north of the Mean High Water Line.

Sketch for shoreline and air photograph reference distances and reference points:



Object	SHORELINE REFERENCE DISTANCES			REFERENCE POINTS IDENTIFIABLE ON AIR PHOTOGRAPHS	Object	DISTANCES		
	Distance in meters	Direction	Azimuth			Distance in meters	Direction	Azimuth
Mean High Water Line	2	00° 00'	north					

Distances must be horizontal distances actually measured on the ground—not scaled.

Above distances measured by:

REFERENCES: Topographic sheet, paragraphs 16, 20, 30, 37, and page 48 Hydrographic Manual, 1951.

18-91069-2 GPO

NAME OF STATION: OAK

STATE: MAINE

YEAR: 1944

THIRD

-ORDER

SOURCE: G- 6853

GEOGRAPHIC LATITUDE: 68 25 51.129	SCALED:	6 METERS FEET
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STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	θ FOR ΔANGLE*
ME E	1801	518,068.06	205,733.49	+ 0° 02' 54"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\theta = \text{GCRD}^{-1}$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE

52 352

SEP 1977

U.S. DEPARTMENT OF COMMERCE
 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
 NATIONAL OCEAN SURVEY • NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
 National Ocean Survey
 NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1087
 MAINE
 LATITUDE 44° 00' TO 44° 30'
 LONGITUDE 68° 00' TO 68° 30'
 DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

OAK POINT (BLUE HILL BAY) (Hancock County, Maine, S.C.McG, 1864; K.O.C., 1934)--The description given in the publication is identical with the one given for a station of that name on the W side of the Penobscot River. The site was visited and no markings of a station was found and it is believed that the station is lost.

(F.L.P., 1944)--Station was not searched for. The description is the same as that for Oak Point in Penobscot River.

OAK POINT BLUE HILL BAY

NAME OF STATION: MAINE YEAR: 1864 THIRD
 STATE: -ORDER

G- 6793

SOURCE:

GEOGRAPHIC LATITUDE: 44° 24' 21.51	SUPERIOR	31 METERS
GEOGRAPHIC LONGITUDE: 68° 25' 04.03		FEET

STATE COORDINATES (Feet)

STATE & ZONE	CODE	X	Y	ELEVATION ANGLE*
ME E	1801	521,484.44	208,743.49	* 0° 03' 27"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\Delta \text{ azi} = \text{ azi} - 90^\circ$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH (From south)	CODE
	0° 0' 0"	0° 0' 0"	

POSITION DETERMINED BY DATUM DIFFERENCES

52 321

SEP 1977
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1088
MAINE
LATITUDE $44^{\circ}00'$ TO $44^{\circ}30'$
LONGITUDE $68^{\circ}00'$ TO $68^{\circ}30'$
DIAGRAM NL 19-11 BANGOR

NO TEXT

ADJUSTED HORIZONTAL CONTROL DATA

POND ISLAND

NAME OF STATION: STATE: MAINE YEAR: 1875

THIRD

-ORDER

SOURCE: G- 6793

GEOGRAPHIC LATITUDE:	$44^{\circ}13'14.76''$	ELEVATION:	METERS
GEOGRAPHIC LONGITUDE:	$68^{\circ}28'44.01''$	FEET	

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	θ IODA BLA NGLE*
ME E	1801	505,533.48	141,221.10	+ $0^{\circ}00'53''$

PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ_{IODA} FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEODETIC AZIMUTH (From South)	PLANE AZIMUTH (From South)	CODE
	0 0 0	0 0 0	

POSITION DETERMINED BY DATUM DIFFERENCES

52 192

SFP 1977

U.S. DEPARTMENT OF COMMERCE
 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
 NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
 National Ocean Survey
 NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1089
 MAINE
 LATITUDE $44^{\circ}00'$ TO $44^{\circ}30'$
 LONGITUDE $68^{\circ}00'$ TO $68^{\circ}30'$
 DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

PARKER

NAME OF STATION: PARKER
 STATE: MAINE YEAR: 1870 ORDER:

SOURCE: G- 6053

GEOGRAPHIC LATITUDE: GEOGRAPHIC LONGITUDE:	44°21'12.551 68 19 37.854	ELEVATION: SCALED	26 METERS FEET
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STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	δ IORΔ α ANGLE*
ME E	1801	545,201.89	189,646.94	+ 0°07'15"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE δ IORΔ α FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEODETIC AZIMUTH (From NAD83)	PLANE AZIMUTH (From POS18)	CODE
	0° 0' *	0° 0' *	

PARKER (Hancock County, Maine, G.A.F., 1870)--On a bare knoll on the W side of Somes Sound near its head and about 3/4 mile S by E from Mount Desert Village and 3/8 mile S of Mason Point. The land belongs to J. Parker, whose house is NW of the station.

The station is a copper bolt set in a hole in a rock, on a small exposed part of the rock, which is slightly higher than the surrounding grass around.

PARKER (Hancock County, Maine, G.A.F., 1870; K.G.C., 1934)--The station was recovered as described. It is on Mount Desert Island, on the W side of Somes Sound near its head and about 3/8 mile S of Mason Point.

The station was marked when recovered, by a copper bolt set in a hole in a rock, and the bolt was in such good shape that it was left intact.

Two reference marks, standard bronze disks wedged in drill holes in outercapping bedrock, were established. Reference mark No.1 is N by W of the station and reference mark No.2 is E of the station. There is a huge boulder 2 meters S of the station.

To reach the station from the junction of Highway 198 and Highway 102 in Somesville, go S on Highway 102, 1.3 miles. Turn left onto a T-road and follow this road 0.4 mile to a house on the left. Walk ESE thru the field to the corner of the woods where there is a triangle blazed on a 14-inch pine. Follow a dim trail 250 feet E to the point where it forks. The station is on a small knoll about 100 feet S of this fork.

OBJECT	DISTANCE	MAG. AZIMUTH
Sta. to R.M.No.2	8,900 meters	181°07'
Sta. to R.M.No.1	9,162 meters	294 41
R.M.No.1 to R.M.No.2	15,078 meters	

PARKER (U.S.E.) (Cumberland County, Me., F.L.P., 1941)--Station is 1 1/2 miles E of the town of Yarmouth on the S bank of Royal River, on a grassy point which is the northerly tip of Parker Point, at the foot of a 10-foot bluff.

Station mark is a standard U.S.E. disk set in the top of a 6-inch square concrete post projecting about 6 inches above the surface of the ground.

PARKER (Hancock County, Maine, G.A.F., 1870; F.L.P., 1944):

Station and reference marks recovered in good condition as described by K.G.C. in 1934, except reference mark 1 is E of the station and reference mark 2 is NNW of the station.

SEP 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEOGRAPHIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

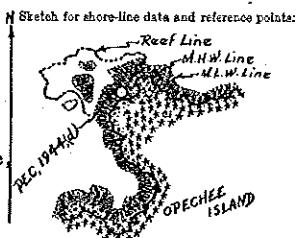
QUAD 440682 STATION 1090
MAINE
LATITUDE $44^{\circ}00'$ TO $44^{\circ}30'$
LONGITUDE $68^{\circ}00'$ TO $68^{\circ}30'$
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODSTATIC SURVEY
Form 51A
Rev. May 1954

DESCRIPTION OF RECOVERABLE HYDROGRAPHIC OR TOPOGRAPHIC STATION

Name PEC Year 1944
General locality Jericho Bay, Me. Sheet No. T-8569
Locality Opechee Island Datum N.A. 1927
Cleof of party Fred L. Peacock Meters
Listed by Ruth M. Whitson
Checked by W.E. Schmidt
Approximate elevation above high watermark 2 feet
Location method: Theodolite, ~~Alidade~~, ~~Alidade~~
Detailed description: Station is a standard topographic disc stamped "PEC 1944" set in drill hole in ledge rock.
Ledge is a small island just off the northwest tip of Opechee Island in the N.E. part of Jericho Bay. Station is about 13 meters west of most northerly and westerly tip of grass point.



SHORE-LINE DATA AT ABOVE STATION			
Object	Distance In meters	Direction	Azimuth
		00° 00'	

REFERENCE POINTS FOR AIR PHOTO CONTROL			
Object	Distance In meters	Direction	Azimuth
		00° 00'	

Distances not to be scaled from sheet; must be horizontal distances actually obtained in the field.

Above distances measured by:

See 22, 23, 24, 25, and page 16; Hydrographic Manual, paragraph 187; Circular No. 30, 1933 15-23061 GPO

PEC (Hancock County, Maine, F.L.P., 1944; I.R.R., 1956)--The station was recovered in good condition. The original description is adequate and complete with the following addition:
The station is marked by a topographic disk, stamped "PEC 1944".

PEC

NAME OF STATION: MAINE

YEAR: 1944

THIRD

—ORDER

SOURCE: G- 8790

GEOGRAPHIC LATITUDE: 68 29 12.486	ELEVATION: 9 METERS FEET
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STATE COORDINATES (FCC)				
STATE & ZONE	CODE	X	Y	θ (CRΔ φ)
ME E	1801	503,460.35	138,435.47	+ 0° 00' 33"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\theta = CR\Delta \phi$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH ^a (From south)	CODE
	0° * *	0° * *	

SEP 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY + NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682
MAINE STATION 1091
LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
1944
REV. MAY 1924

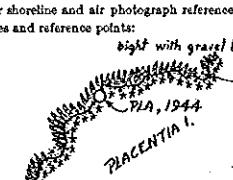
DESCRIPTION OF RECOVERABLE TOPOGRAPHIC STATION:

Name PLA Year 1944
General locality Blue Hill Bay, Maine Sheet No. T-8572
Locality Placentia Island Datum N.A. 1927

Chief of party FRED L. PEACOCK
Recovered by Ruth M. Whitson
Checked by Walter E. Schmidt

Lat. []
Long. []

Approximate elevation above high-water mark 3 feet
Location method PLANE AZIMUTH, Theodolite, XEROX AIRPHOTO
Detailed description: Station is located on the northwest side of Placentia Island, about 260 meters SW of a pronounced small bight in shoreline with gravel beach, about 800 meters SW of most northerly tip of Placentia Island, and on point of tree line about 2 meters out from line of vegetation. Mark is a standard disc stamped "PLA 1944" set in hedge rock.



SHORELINE REFERENCE DISTANCES				REFERENCE POINTS IDENTIFIABLE ON AIR PHOTOGRAPHS			
Object	Distance in meters	Direction	Altitude	Object	Distance in meters	Direction	Altitude
MHW line	10	NW					

Distances must be horizontal distances actually measured on the ground—not scaled.

Above distances measured by:

REFERENCES: Topographic Map, Airphoto Map 14, 20, 31, 37, and page 58; Hydrographic Map 1, N.H.

16-93068-2 670

PLA (Hancock County, Maine, F.L.P., 1944; I.R.R., 1956)

The station was recovered in good condition. The original description is adequate and complete with the following additions:

A small tripod was left standing over the mark.

The station is marked by a standard topographic disk, stamped "PLA 1944."

PLA

NAME OF STATION:

STATE: MAINE

YEAR: 1944

THIRD

-ORDER

SOURCE: G- 8790

GEOGRAPHIC LATITUDE: 44° 11' 52.005	6 METERS FEET
GEOGRAPHIC LONGITUDE: 68° 21' 52.508	

STATE COORDINATES (Feet)

STATE & ZONE	CODE	X	Y	θ FOR Δ 41 ANGLE*
ME E	1801	535,512.28	132,870.37	+ 0° 05' 40"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ FOR Δ 41 FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From North)	PLANE AZIMUTH* (From Isob.)	CODE
	D ° ′ ″	D ° ′ ″	

54 077

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U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682

STATION 1092

MAINE

LATITUDE 44° 00' TO 44° 30'

LONGITUDE 68° 00' TO 68° 30'

DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

PLACENTIA ISLAND (Hancock County, Maine, N.H.H., 1908)--On the island of that name, which lies in the Blue Hill Bay about 1 1/4 miles ENE of Swan Island and about 1 3/4 miles SW of Bass Harbor Head Light of Mount Desert Island.

The station is on the SW end of the island about 20 feet from the shore and about 12 feet above high water. It is marked by a hole drilled in a rock.

PLACENTIA ISLAND (Hancock County, Maine, N.H.H., 1908; K.G.C., 1934)--This station is on a rocky promontory on the extreme SW end of Placentia Island in Bluehill Bay, about 1 3/4 miles SW of Bass Harbor Head Light on Mount Desert Island. The station is in the middle of a flat ledge which is about 20 feet from high-water line, about 12 feet above it in elevation. It is marked with a copper bolt in a rock. A 3/4-inch drill hole filled with lead, of which no mention was made in the original description was found SE of the station.

Two standard reference marks, standard bronze disks wedged in drill holes in outcropping bedrock, were placed as follows: Reference mark No.1 is N of the station and reference mark No.2 is SE.

A 16-foot tripod, anchored with rocks, was built in 1934.

OBJECT	DISTANCE	DIRECTION
SCRAG ISLAND	meters	0°00'00"0
R.M.No.1	1.986	236 39 00
R.M.No.2	4.429	353 29 32
Ref.Drill Hole	4.678	355 16 25
R.M.No.1 to R.M.No.2	5.614	

PLACENTIA ISLAND (Hancock County, Maine, N.H.H., 1908; F.L.P., 1944) --Station and reference marks were recovered in good condition. Distances to reference marks checked. Description adequate except the station is about 175 meters E of the SW end of the island.

PLACENTIA ISLAND (Hancock County, Maine, N.H.H., 1908; I.R.R., 1956). --The station mark and reference marks 1 and 2 were recovered in good condition. The distances to the reference marks and between the reference marks were verified. The 1934 recovery note by K.G.C. is adequate with the following additions:

The station mark is a square copper bolt.

Reference mark 1 is a standard reference-mark disk, stamped "PLACENTIA ISLAND 1908 1934 NO 1."

Reference mark 2 is a standard reference-mark disk, stamped "PLACENTIA ISLAND 1908 1934 NO 2."

NAME OF STATION: PLACENTIA ISLAND

STATE: MAINE

YEAR: 1908

SECOND

—ORDER

SOURCE: G- 6053

GEODETIC LATITUDE: 68 22 41.158	44° 10' 58.271	1 METERS FEET
------------------------------------	----------------	------------------

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	θ IORΔ θI
ME E	1801	531,976.35	127,424.06	+ 0° 05' 06"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ IORΔ θ I FORMULA NEGLECTING THE SECOND TERM.

TOSTATION OR OBJECT	GEODETIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE
SCAG ISLAND	307 09 35.7	307 04 30	1801

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U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1093
MAINE
LATITUDE $44^{\circ}00'$ TO $44^{\circ}30'$
LONGITUDE $68^{\circ}00'$ TO $68^{\circ}30'$
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
Rev. May 1964

DESCRIPTION OF RECOVERABLE HYDROGRAPHIC OR TOPOGRAPHIC STATION

Name POND Year 1944 Sheet No. T-8569
General locality Blue Hill Bay, Me. Datum N.A. 1927

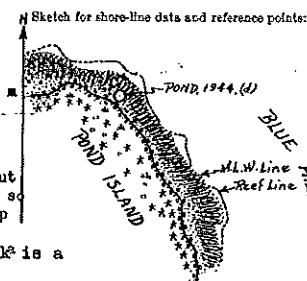
Locality Pond Island
Chief of party Fred. L. Peacock
Surveyed by Ruth M. Whiteman

Checked by W.E. Schmidt

Approximate elevation above high watermark 3 feet

Location method: Theodolite, Theodolite, Theodolite

Detailed description: Station is located on the northeast point of Pond Island in southern Blue Hill Bay, about 90 meters southeast of most northerly point, is set so Blue Hill Bay Lighthouse can be seen past the NE tip of Lamp Island, and is about 18 meters north of tree line, 12 meters northeast of Mean High Water Line. Mark is a standard topographic disc stamped "Pond 1944".



SHORELINE DATA AT ABOVE STATION			REFERENCE POINTS FOR AIR PHOTO CONTROL		
Object	Distance in meters	Direction	Object	Distance in meters	Direction
	00' 00'			00' 00'	

Distances not to be scaled from sheet; must be horizontal distances actually obtained in the field.

Above distances measured by:

REFERENCE: Topographic Manual, paragraphs 16, 29, 30, 37, and page 5; Hydrographic Manual, paragraph 127; Circular No. 50, 1933

14-21062 620

POND

NAME OF STATION:

STATE: MAINE

YEAR: 1944

THIRD

-ORDER

SOURCE: G- 8790

GEOGRAPHIC LATITUDE: 44°13'43.684	ELEVATION: 6 METERS
GEOGRAPHIC LONGITUDE: 68°28'17.090	FEET

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	B (OR Δ) ANGLE*
ME E	1801	507,492.74	144,150.37	+ 0°01'12"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE δ (OR Δ) FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH (From south)	CODE
	0° 0' 0"	0° 0' 0"	

54 067

SEP 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1094
MAINE LATITUDE $44^{\circ}00'$ TO $44^{\circ}30'$
LONGITUDE $68^{\circ}00'$ TO $68^{\circ}30'$
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
Form 824
Rev. May 1941

DESCRIPTION OF RECOVERABLE TOPOGRAPHIC SECTION

Name POR Year 1944
General locality Frenchman Bay Sheet No. T-8583
Locality Sheep Porcupine Island Datum N. A. 1927

Chef of party Fred. L. Peacock
Listed By: John M. Reinoldi

Checked by Harry R. Rudolph
Approximate elevation above high-water mark 10 feet
Location method: Theodolite, Altimeter, Map
Detailed description: Station is on the northern side of Sheep Porcupine Island, 25 meters west of the northeasterly tip, 6 meters back of Mean High-Water Line, 1 meter outside grass line! Mark is a standard Topographic Disc stamped "Por, 1944", set in ledge rock outerop.

Sketch for shoreline and air photograph reference distances and reference points:



Object	SHORELINE REFERENCE DISTANCES			REFERENCE POINTS IDENTIFIABLE ON AIR PHOTOGRAPHS			
	Distance in meters	Direction	Azimuth	Object	Distance in meters	Direction	Azimuth
	00° 00'				00° 00'		

Distances must be horizontal distances actually measured on the ground—not scaled.

Above distances measured by:

REFERENCES: Topographic Manual, paragraphs 16, 20, 23, 37, and page 62; Hydrographic Manual, 1931.

19-2252-2 600

NAME OF STATION: POR

STATE: MAINE

YEAR: 1944

THIRD

-ORDER

SOURCE: G- 6939

GEOGRAPHIC LATITUDE: $44^{\circ}24'04.973$	ELEVATION: SCALED	3
GEOGRAPHIC LONGITUDE: $68^{\circ}11'38.092$	METERS	FEET

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	$\delta \text{ azi } \Delta \text{ angle}$
ME E	1801	579,993.68	207,207.71	$+ 0^{\circ}12'51''$

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\delta \text{ azi } \Delta \text{ angle}$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH (From south)	CODE

SEP 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1095
MAINE
LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
FIGURE 32A
REV. MAY 1964

DESCRIPTION OF RECOVERABLE TOPOGRAPHIC STATION

Name **PREBLE** Year **1944**
General locality **Frenchman Bay, Me.** Sheet No. **T-8582**
Locality **Waukeag Neck** Datum **N.A. 1927**

Chief of party **Fred. L. Peacock**
Surveyed by **Ruth E. Rudolph**

Checked by **Raymond Glasser**

Approximate elevation above high-water mark **6** feet

Location method **Theodolite, theodolite, theodolite**

Detailed description: Station is located on the southeast tip of Preble Island, which is just south of Waukeag Neck. It is about 20 meters north of Mean High Water Line on very tip of island, 8 meters west of Mean High Water Line and 3 meters inside grass and tree line. Mark is a standard topographic disc stamped "Preble, 1944" set in ledge rock outcrop.

Sketch for shoreline and air photograph reference distances and reference points:



SHORELINE REFERENCE DISTANCES

Object	Distance in meters	Direction	Azimuth
	00° 00'		

REFERENCE POINTS IDENTIFIABLE ON AIR PHOTOGRAPHS

Object	Distance in meters	Direction	Azimuth
	00° 00'		

Distances must be horizontal distances actually measured on the ground—not scaled.

Above distances measured by:
REFERENCE: Topographic Manual, paragraphs 16, 26, 30, 37, and page 54; Hydrographic Manual, 1951.

10-32662-2 479

PREBLE

NAME OF STATION: **MAINE**

YEAR: **1944**

THIRD

-ORDER

SOURCE: **G- 6939**

GEODETIC LATITUDE: 44° 27' 48".203	GEODETIC LONGITUDE: 68° 10' 01.030	SCALED: 1	METERS FEET
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STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	θ IGRAS DIANGLE
ME E	1801	586,947.97	229,839.04	+ 0° 14' 00"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ IGRAS Δθ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEODETIC AZIMUTH (From south)	PLANE AZIMUTH [*] (From south)	CODE
	0 0 0	0 0 0	

52 378

SEP 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY • NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1096
MAINE
LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

PROCTOR (Hancock County, Maine, K.G.C., 1934)--The station is on NE Point on Long Island which lies at the entrance to Blue Hill Bay, about 5 miles WSW of Great Duck Island Light.

The station and reference marks are standard bronze disks wedged in drill holes in outcropping bedrock. Station is in the middle of the point, 12 meters NE of tree line, and about 30 meters above high-water line.

Reference mark No.1 is NE of the station on a flat ledge which drops off sheer. Reference mark No.2 is SSW of the station on a flat-topped ledge.

OBJECT	DISTANCE	DIRECTION
EAST SISTER ISLAND	meters	0°00'00"0
R.M.No.1	3.115	102 28 16
R.M.No.2	4.896	198 52 48
R.M.No.1 to R.M.No.2	6.088	

Height of light above station mark - 5 meters.

Height of telescope above station mark - 1 meter.

PROCTOR (Hancock County, Maine, K.G.C., 1934; F.L.P., 1944)

-Station and reference marks recovered in good condition. Distances to reference marks checked. The description is adequate, except the station is about 22 meters W of mean high-water line and about 14 meters E of woods line.

PROCTOR

NAME OF STATION:

STATE: MAINE

YEAR: 1934

SECOND

ORDER

SOURCE: G- 6053

GEOGRAPHIC LATITUDE: 44° 07' 39.631	ELEVATION: 7 METERS
GEOGRAPHIC LONGITUDE: 68° 20' 50.662	FEET

STATE COORDINATES (Ft.)				
STATE & ZONE	CODE	X	Y	θ 10Δ Δ 1 ANGLE *
ME E	1801	540,064.98	107,324.61	+ 0° 06' 23"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ 10Δ Δ 1 FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH * (From south)	CODE
EAST SISTER ISLAND	82 35 24.3	82 29 01	1801

SEP 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1097
MAINE
LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

NO ORIGINAL TEXT

PROSPECT HARBOR LIGHTHOUSE (Hancock County, Maine, 1902; K.G.C., 1934)--The lighthouse on the E side of the entrance to the inner harbor. It has a white conical tower with covered way to the dwelling of the keeper.

The azimuth to it was checked at station SCHOODIC in the 1934 observations.

RECOVERY NOTE, TRIANGULATION STATION

NAME OF STATION: PROSPECT HARBOR LIGHTHOUSE
ESTABLISHED BY: YEAR: 1902 STATE: Maine BENCHMARK(S) ALSO
RECOVERED BY: N.O.S. YEAR: 1965 COUNTY: Hancock

AIRLINE DISTANCE AND DIRECTION FROM NEAREST TOWN:

0.8 mile southeast of Prospect Harbor

Detailed statement as to the fitness of the original description, including marks found, stampings, charges made, and other pertinent facts:
Recovered in good condition as described in 1934.

R

ADJUSTED HORIZONTAL CONTROL DATA

NAME OF STATION: PROSPECT HARBOR LH
STATE: MAINE YEAR: 1902 ORDER: THIRD

SOURCE: G- 6793

GEOGRAPHIC LATITUDE:	44° 24' 11.322	ELEVATION:	METERS
GEOGRAPHIC LONGITUDE:	68° 00' 48.153	FEET	

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	B-IORΔ OR ANGLE*
ME E	1801	627,172.59	208,078.98	+ 0° 20' 26"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE B-IORΔ OR FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE
	0° 0' 0"	0° 0' 0"	

51 442

SEP 1977
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1098
MAINE
LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

PROSPECT HARBDR, TALL CHURCH SPIRE (Hancock County, Maine,
K.G.C., 1934)--The tall white spire of the Union Church in the town
of Prospect Harbor.

PROSPECT HARBOR, TALL CHIMNEY SPIRE (Hancock County, Maine,
K.G.C., 1934; F.L.P., 1944)--The station was recovered and in good
condition. The description is adequate, except the church is 30
meters W of State Highway 186, 40 meter S of schoolhouse, has a
brick foundation spire is on the ridge of roof, and about 2 meters
in from E end.

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY
FORM 558
(Rev. Feb. 1960)

RECOVERY NOTE, TRIANGULATION STATION

NAME OF STATION: Prospect Harbor, Tall White Church Spire
ESTABLISHED BY: K.G.C. YEAR: 1934 STATE: Maine
RECOVERED BY: C. Merriam YEAR: 1955 COUNTY: Hancock

Detailed statement as to the fitness of the original description; including marks found, stampings, changes made, and other pertinent facts:
The church is no longer used and is now a community house. The building
was repaired but no changes made.
It might be confused with the Methodist Church to the northeast.

RECOVERY NOTE, TRIANGULATION STATION
INTERSECTION
NAME OF STATION: PROSPECT HARBOR TALL CHURCH SPIRE
ESTABLISHED BY: K.G.C. YEAR: 1934 STATE: Maine BENCH MARK(S) ALSO
RECOVERED BY: N.O.S. YEAR: 1965 COUNTY: Hancock

AIRLINE DISTANCE AND DIRECTION FROM NEAREST TOWN:

At Prospect Harbor.

Detailed statement as to the fitness of the original description; including marks found, stampings, changes made, and other pertinent facts:
(Also called PROSPECT HARBOR, TALL CHIMNEY SPIRE, 1944 and
PROSPECT HARBOR TALL WHITE CHURCH SPIRE in 1955.)

The taller of the two spires in Prospect Harbor, now called the Community House
and so designated by a sign across the front. It is just south of the fire station,
(formerly a school building).

RECOVERY NOTE, TRIANGULATION STATION QUAD 440682
INTERSECTION
NAME OF STATION: PROSPECT HARBOR TALL WHITE CHURCH SPIRE
ESTABLISHED BY: K.G.C. YEAR: 1934 STATE: Maine BENCH MARK(S) ALSO
RECOVERED BY: N.O.S. YEAR: 1968 COUNTY: Hancock

AIRLINE DISTANCE AND DIRECTION FROM NEAREST TOWN: At Prospect Harbor

Detailed statement as to the fitness of the original description; including marks found, stampings, changes made, and other pertinent facts:

Recovered in good condition as described except a new windvane has been installed
with a gilded eagle atop, and it is not in the center of the ball at the top of the
spire. The top of the spire should be used to point on rather than the wind vane.

ADJUSTED HORIZONTAL CONTROL DATA

PROSPECT HARBOR TALL WHITE CH

NAME OF STATION: MAINE STATE: 1934 YEAR: THIRD
-ORDER

SOURCE: G- 6793

GEODETIC LATITUDE: 44° 24' 22.765	ELEVATION: METERS FEET
GEODETIC LONGITUDE: 68° 01' 40.329	

STATE COORDINATES (ENU)				
STATE & ZONE	CODE	X	Y	B I OR Δ 61 ANGLE*
ME E	1801	623,378.27	209,215.49	+ 0° 19' 49"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE B I OR Δ 61 FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEODETIC AZIMUTH (From south)	PLANE AZIMUTH (From south)	CODE
	0 / 4	0 / 4	

SEP 1977
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1099
MAINE
LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

NO ORIGINAL TEXT

RED BEACON (Hancock County, Maine, H.G.O., 1870; F.L.P., 1944)
--Recovered but leaning. Letter from
Coast Guard, dated September 28, 1944, follows: There is no in-
formation available as to date of construction, as it was before
1870. According to records in this office, no changes in loca-
tion have been made since that time.

ADJUSTED HORIZONTAL CONTROL DATA

RED BEACON

NAME OF STATION: MAINE STATE: MAINE YEAR: 1879 ORDER:

SOURCE: G- 6793

GEOGRAPHIC LATITUDE:	44° 29' 51.79"	ELEVATION:	METERS
GEOGRAPHIC LONGITUDE:	68° 12' 33.56"	FEET	

STATE COORDINATES (FRT)				
STATE & ZONE	CODE	X	Y	θ 10Δ 41 ANGLE*
ME E	1801	575,842.18	242,311.14	+ 0° 12' 13"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ 10Δ 41 FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE

POSITION DETERMINED BY DATUM DIFFERENCES

52 034

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1100
MAINE LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

/NO ORIGINAL TEXT

RICHARDS (Hancock County, Maine, G.A.F., 1865; 1908)--On Hadley Point, the most northerly point of Mount Desert Island, about 3/8 mile SSE from the extreme point, on land belonging to Simeon H. Richards, whose house is back of a clump of large spruce trees. The station is about 3/4 mile NE of Eden and about 1/4 mile N of the Eden-Salisbury Cove Road. It is marked by a copper bolt set in a hole in a rock. A large pile of stones is 5 paces S of the station. HADLEY POINT station is on the same hill, about 250 meters W by S from this station, and care should be taken, therefore, not to mistake one for the other. They are marked in the same manner.

RICHARDS (Hancock County, Maine, G.A.F., 1865; K.G.C., 1934)--Lost. The station has been destroyed by the construction of a race track.

RICHARDS (Hancock County, Maine, G.A.F., 1865; F.L.P., 1944)
Station was searched for but not found. As there are many rocks in this vicinity, there is a possibility that the station is still there.

ADJUSTED HORIZONTAL CONTROL DATA

RICHARDS

NAME OF STATION:	MAINE	YEAR:	1865	THIRD
STATE:				-ORDER

SOURCE: G- 6793

GEOGRAPHIC LATITUDE: 44° 26' 23.62	GEOGRAPHIC LONGITUDE: 68° 18' 56.62	SCALE: 49 METERS FEET
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STATE COORDINATES (Ft.)				
STATE & ZONE	CODE	X	Y	B ICRĀ ANGLE
ME E	1801	548,126.87	221,151.48	+ 0° 07' 45"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE B ICRĀ 91 FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH * (From south)	CODE

POSITION DETERMINED BY DATUM DIFFERENCES

SEP 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1101
LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

RICHARDSON

NAME OF STATION: RICHARDSON
STATE: MAINE YEAR: 1870 SECOND - ORDER

SOURCE: G- 6053

GEOGRAPHIC LATITUDE: GEOGRAPHIC LONGITUDE:	44° 21' 29.7085 68° 18' 09.293	SEALED	46 METERS FEET
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STATE COORDINATES (FCC)				
STATE & ZONE	CODE	X	Y	BIGRADIAN ANGLE*
ME E	1801	551,632.24	191,335.65	+ 0° 08' 17"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE BIGRADIAN FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE
	0° 0' 0"	0° 0' 0"	

51 263

SEP 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY • NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1102
MAINE LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

ROBINSON MOUNTAIN (Hancock County, Maine, G.A.F., 1870)--This mountain is on the W side of Somes Sound, about halfway up, and directly opposite Browns Mountain, which is on the E side.

The station is about 100 yards E of the highest point of the eastern summit of the mountain, and is a copper bolt set in a hole in a rock.

ROBINSON MOUNTAIN (Hancock County, Maine, G.A.F., 1870; K.G.C., 1934)--The station was recovered as described except that the copper bolt had been removed. The station is on Robinson Mountain on Mount Desert Island, on the W side of Somes Sound about halfway up to its head.

The station was re-marked and two reference marks were established. Marks were standard bronze disks wedged in drill holes in outcropping bedrock. Reference mark No.1 is NE of the station and reference mark No.2 is NW.

To reach the station from the junction of Highway 198 and Highway 102 in Somesville, go 3.1 miles S on Highway 102 to a filling station and the entrance to the Echo Lake Driveway on the W side of the road. Take trail marked "Robinson Mountain" E and follow signs and blazes to the summit. Proceed along "Tug of War" trail to the eastern summit of the mountain. The station is about 100 yards E of the eastern summit.

OBJECT	DISTANCE	MAG. AZIMUTH
Sta. to R.M.No.1	3,726 meters	239°37'
Sta. to R.M.No.2	5,105 meters	160 35
R.M.No.1 to R.M.No.2	5,748 meters	

ROBINSON MOUNTAIN (Hancock County, Maine, G.A.F., 1870; F.L.P., 1944) --Station and reference marks recovered in good condition as described by K.G.C. in 1934, except the station is now most easily reached from the junction of State Highways 198 and 102 in Somesville. From the above junction, go 3.4 miles S along State Highway 102, take Man of War Brook Road E approximately 175 meters (paced) to where Acadia Mountain trail crosses, take Acadia Mountain trail NE and then E to highest peak of Acadia Mountain, take Robinson road E to E summit of mountain where trail veers S. Station is approximately 30 meters E of E summit and trail.

ROBINSON MOUNTAIN (Hancock County, Maine, G.A.F., 1870; I.R.R., 1956) --The station mark and reference marks 1 and 2 were recovered in good condition. The distances to the reference marks were verified. The 1934 recovery note by K.G.C. is adequate and complete with the following additions:

The station mark is stamped "ROBINSON MOUNTAIN 1870 1934." The reference marks are stamped "ROBINSON MOUNTAIN 1934 NO 1 and NO 2," respectively.

To reach the station from the intersection of State Highways 102 and 198 in Somesville, go S on State Highway 102 for 3.4 mi. to a dirt road leading left, park vehicle and proceed on foot along a dirt road for 175 m. to where Acadia Mountain Trail crosses the dirt road, thence turn left and follow Acadia Mountain Trail NE to the highest peak of Acadia Mountain (this trail then becomes Robinson Road East), continue along Robinson Road East to the E summit of the mountain and the station. The station is approximately 30 m. E of the summit.

ROBINSON MOUNTAIN

NAME OF STATION:
STATE: MAINE

YEAR: 1870

SECOND
-ORDER

SOURCE: G- 6053

GEOGRAPHIC LATITUDE: GEOGRAPHIC LONGITUDE:	44°19'25.981 68°19'05.451	SCALED	212	METERS FEET
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STATE COORDINATES (EAST)				
STATE & ZONE	CODE	X	Y	θ OR Δ θ ANGLE *
ME E	1801	547,580.06	178,861.15	+ 0°07'37"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\theta = \Delta \theta + \alpha$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT				GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH * (From south)	CODE	
				°	'	°	'

51 262

SEP 1977

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1103
MAINE LATITUDE $44^{\circ} 00'$ TO $44^{\circ} 30'$
LONGITUDE $68^{\circ} 00'$ TO $68^{\circ} 30'$
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
EDITION 1944
EIGHTH EDITION

DESCRIPTION OF RECOVERABLE TOPOGRAPHIC STATION

Name **ROCK** Year **1944** Sketch for shoreline and air photograph reference
General locality **Frenchman Bay, Maine** Sheet No. **T-8584**
Locality **Egg Rock** Datum **N. A. 1927** Distances and reference points:
Chief of party **Fred. L. Peacock** Meters
Labeled by **Henry P. Eichert**
Checked by **Raymond Glasser**
Approximate elevation above high-water mark **5** feet
Location method: Theodolite, Theodolite, Theodolite
Detailed description: Station is a standard topographic disc set in a tall hole in ledge, approximately 250 m. south southwest of lighthouse and near east edge of last ledge above H.W. Lightkeeper can aid in recovery.

Sketch for shoreline and air photograph reference distances and reference points:



Object	SHORELINE REFERENCE DISTANCES			Object	REFERENCE POINTS IDENTIFIABLE ON AIR PHOTOGRAPHS		
	Distances in meters	Direction	Azimuth		Distances in meters	Direction	Azimuth
		$00^{\circ} 00'$				$00^{\circ} 00'$	

Distances must be horizontal distances actually measured on the ground—not stated.

Above distances measured by:

REFERENCES: Topographic Manual, paragraphs 15, 29, 30, 37, and page 82; Hydrographic Manual, 283.

ROCK

NAME OF STATION:

STATE: **MAINE**YEAR: **1944**

THIRD

ORDER

SOURCE: **G- 6939**

GEOGRAPHIC LATITUDE: 44° 21' 07.216	ELEVATION: 1 METERS
GEOGRAPHIC LONGITUDE: 68° 08' 24.164	FEET

STATE COORDINATES (FRT)

STATE & ZONE	CODE	X	Y	B IGRAD 91 ANGLE *
ME E	1801	594,151.09	189,265.83	+ 0° 15' 06"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE B IGRAD 91 FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From sszb)	PLANE AZIMUTH * (From sszb)	CODE

52 367

SEP 1977

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY • NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1104
MAINE
LATITUDE $44^{\circ} 0' 0''$ TO $44^{\circ} 30'$
LONGITUDE $68^{\circ} 0' 0''$ TO $68^{\circ} 30'$
DIAGRAM NL 19-11 BANGOR

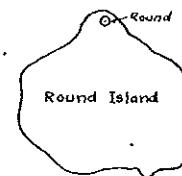
ADJUSTED HORIZONTAL CONTROL DATA

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
Form 611
REV. 1-65
REV. 1-65
NAME: ROUND

DESCRIPTION OF RECOVERABLE TOPOGRAPHIC STATION

Name Blue Hill Bay, Maine Year 1944
General locality Round Island Sheet No. 1-8570
Locality Round Island Datum N.A. 1927
Lightship Fred. L. Peacock Meters
~~Surveyor~~ Abraham L. Goncharsky
Checked by Walter E. Schmidt
Approximate elevation above high-water mark 3 feet
Location method Theodolite, Theodolite, Theodolite
Detailed description: Station is located on the northernmost tip of Round Island which lies in the southern part of Blue Hill Bay; on a high point and about 3 meters outside tree line and 11 meters inside mean high water line. Standard disc stamped "ROUND 1944"

Sketch for shoreline and air photograph reference distances and reference points:



SHORELINE REFERENCE DISTANCES		
Object	Distance in meters	Direction
M.H.W.L.	11	00° 00' North

REFERENCE POINTS IDENTIFIABLE ON AIR PHOTOGRAPHS		
Object	Distance in meters	Direction
		00° 00'

Distances must be horizontal distances actually measured on the ground—not scaled.

Above distances measured by:
REFERENCE Topographic Manual, paragraphs No. 29, 33, 37, and page 62; Hydrographic Manual, NL

16-21062-2 070

ROUND (Hancock County, Maine, F.L.P., 1944; I.R.R., 1956).
The station was recovered in good condition. The original description is adequate and complete with the following additions:

The station is 39.0 ft. NE of the NW corner of a house.
The station is marked by a topographic disk, stamped, "ROUND 1944."

ROUND

NAME OF STATION: MAINE

YEAR: 1944

THIRD

-ORDER

SOURCE: G- 8790

GEOGRAPHIC LATITUDE: $44^{\circ} 11' 05.262$	ELEVATION: 8 METERS
GEOGRAPHIC LONGITUDE: $68^{\circ} 26' 59.128$	FEET

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	PLANE ANGLE *
ME E	1801	513,178.86	128,112.24	$+ 0^{\circ} 02' 06''$

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\beta \text{ IOR} \Delta \beta$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH (From south)	CODE

54 078

SEP 1977

U.S. DEPARTMENT OF COMMERCE
 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
 NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
 National Ocean Survey
 NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1105
 MAINE
 LATITUDE 44° 00' TO 44° 30'
 LONGITUDE 68° 00' TO 68° 30'
 DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

SALISBURY COVE, WHITE CHIMNEY, WEST END, 2 STORY HOUSE,
 (Hancock County, Maine, K.G.C., 1934)--The white chimney at the W end
 of a large two story, white house that overlooks Salisbury Cove
 on the N end of Mount Desert Island.

NAME OF STATION: SALISBURY COR HSE W END CHIM

STATE: MAINE

YEAR: 1934

THIRD

-ORDER

G- 6793
 SOURCE: OBSERVATION CHECK ON THIS POSITION

GEOGRAPHIC LATITUDE:	44° 25' 58.96"	ELEVATION:	METERS
GEOGRAPHIC LONGITUDE:	68° 16' 46.08"	FEET	

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	θ FOR Δ φ ANGLE*
ME E	1801	557,604.01	218,677.88	+ 0° 09' 16"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ FOR Δ φ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH ^b (From south)	CODE
	0° 0' 0"	0° 0' 0"	

52 112

SEP 1977

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY + NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682

STATION 1106

MAINE

LATITUDE 44° 00' TO 44° 30'

LONGITUDE 68° 00' TO 68° 30'

DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
Form 584
Rev. May 1954

DESCRIPTION OF RECOVERABLE TOPOGRAPHIC STATION

Name Sally
General locality Swan Island, Me.
Locality John Id. Dry Ledge
Chief of party Fred, L. Peacock
Surveyor Harry R. Rudolph
Checked by W. E. Schmidt
Approximate elevation above high-water mark 2 feet
Location method: Theodolite, Air photograph
Detailed description: Station is located in the center of the highest part of John Island Dry Ledge, on the easterly part that is about 2 feet above Mean High-Water. John Id. Dry Ledge is about 3/4 mile S.W. of John Island, and about 2 miles south of Swan Island. Mark is a Standard disc stamped "SALLY 1944".

Year 1944
Sheet No. T-8871
Datum North American 1927

Sketch for shoreline and air photograph reference distances and reference points:



SALLY 1944

John Island
Dry ledge.

Object	SHORELINE REFERENCE DISTANCES			REFERENCE POINTS IDENTIFIABLE ON AIR PHOTOGRAPHS			
	Distance	Direction	Azimuth	Object	Distance	Direction	Azimuth
	00° 00'				00° 00'		

Distances must be horizontal distances actually measured on the ground—not scaled.

Above distances measured by:

REFERENCES: Topographic Manual, paragraphs 16, 20, 30, 37, and page 28; Hydrographic Manual, 3M1.

16-584-2 690

NAME OF STATION: SALLY

STATE: MAINE

YEAR: 1944

THIRD

-ORDER

SOURCE: G- 8790

GEOGRAPHIC LATITUDE:	44° 06' 05.277
GEOGRAPHIC LONGITUDE:	68° 24' 54.011

SCALED:	1 METERS FEET
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STATE COORDINATES (Feet)

STATE & ZONE	CODE	X	Y	BIGRADIAN ANGLE ¹
ME E	1801	522,326.62	97,745.43	+ 0° 03' 33"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE BIGRADIAN FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH ¹ (From south)	CODE
	0° 0' *	0° 0' *	

54 064

SEP 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1107
MAINE LATITUDE $44^{\circ} 00'$ TO $44^{\circ} 30'$
LONGITUDE $68^{\circ} 00'$ TO $68^{\circ} 30'$
DIAGRAM NL 19-11 BANGOR

NO ORIGINAL TEXT

SANDS POINT (Hancock County, Maine, G.A.F., 1865; 1903) -- On a knoll on the eastern side of the point of that name on the N shore of Mount Desert Island near the mouth of Eastern Bay. Eastern Bay connects Frenchmans and Blue Hill Bays.

The station is on the only prominent ledge of rock on the knoll and is marked by a copper bolt set in a hole in a rock.

SANDS POINT (Hancock County, Maine, G.A.F., 1865; K.G.C., 1934) -- The ledge on which the station was located was identified by an aged local resident who has seen the copper bolt which marked the station. It was not found after a thorough search and it is likely that the bolt has been lost due to the crumbling of the ledge.

SANDS POINT (Hancock County, Maine, G.A.F., 1866; F.L.P., 1944) -- Station was not found. The ledge was thoroughly searched for, but has crumbled badly due to the roots of the moss which covers the ledge.

ADJUSTED HORIZONTAL CONTROL DATA

NAME OF STATION: SANDS POINT

STATE: MAINE

YEAR: 1865

THIRD

-ORDER

SOURCE: G- 6793

GEOGRAPHIC LATITUDE:	44° 26' 15.33"	ELEVATION:	27	VETERS FEET
GEOGRAPHIC LONGITUDE:	68° 16' 00.76"	SCALED:		

STATE COORDINATES (FNU)

STATE & ZONE	CODE	X	Y	δ IGRAD ANGLE*
ME E	1801	560,887.54	220,344.59	+ 0° 09' 48"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE δ IGRAD FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE

POSITION DETERMINED BY DATUM DIFFERENCES

52 016

SEP 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY • NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682

STATION 1108

MAINE

LATITUDE $44^{\circ}00'$ TO $44^{\circ}30'$ LONGITUDE $68^{\circ}00'$ TO $68^{\circ}30'$

DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

SAVAGE MOUNTAIN (Hancock County, Maine, G.A.F., 1870)--On the high hill of that name, located about 3/8 mile E of the head of Northeast Harbor, Mount Desert Island. A path leads from Augustus Savage's house to the summit.

The station is about 300 feet SW from the highest peak of the mountain and 13 feet W of the highest point of the ledge on which it is located. It is a copper bolt set in a hole in a rock.

SAVAGE MOUNTAIN (Hancock County, Maine, G.A.F., 1870; K.G.C., 1934)--On the high hill of that name, better known as Asticou Hill, located about 0.4 miles E of the head of Northeast Harbor.

The station is about 300 feet SW of the highest peak of the mountain and 13 feet W of the highest point of the ledge on which the station is located. The original copper bolt was left in place as the station mark and 2 reference marks, standard bronze disks wedged in drill holes in outcropping bedrock, were installed.

To reach from Northeast Harbor, go N on Highway 198 about 1 mile and take road leading SE, the trail to the summit leaves this road to the left after passing 2 clearings on the left, follow trail to summit thence SW to the station. The ledge on which the station is located is in a clearing and the harbor can be seen very clearly from it.

OBJECT	DISTANCE	DIRECTION
MAGNETIC NORTH (approx.)	feet	$0^{\circ}00'00''$
R.M.No.1	21.73	189 47
R.M.No.2	15.52	289 02
R.M.No.1 to R.M.No.2	28.60	

SAVAGE MOUNTAIN (Hancock County, Maine, G.A.F., 1870; F.L.P., 1944)
Station and reference marks were recovered in good condition. Distances to the reference marks were measured and checked. The description is adequate except the station is now about 400 feet SW of the summit of the hill on an open ledge instead of 300 feet.

NAME OF STATION: SAVAGE MOUNTAIN

STATE: MAINE

YEAR: 1870

SECOND

-ORDER

SOURCE: G- 6053

GEOGRAPHIC LATITUDE:	44 °18'09.54"	SCALED:	134	METERS
GEOGRAPHIC LONGITUDE:	68 16 29.524	FEET		

STATE COORDINATES (FCC)				
STATE & ZONE	CODE	X	Y	BIGRADIAN ANGLE*
ME E	1801	558,935.85	171,149.28	+ 0°09'26"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE BIGRADIAN FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	DEODETIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE
MAGNETIC NORTH			1801

SEP 1977

U.S. DEPARTMENT OF COMMERCE
 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
 NATIONAL OCEAN SURVEY • NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
 National Ocean Survey
 NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1109
 MAINE LATITUDE $44^{\circ}00'$ TO $44^{\circ}30'$
 LONGITUDE $68^{\circ}00'$ TO $68^{\circ}30'$
 DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

SCRAG ISLAND (Hancock County, Maine, J.W.D., 1875; 1911)--On the easternmost of two islands known collectively as "The Green Islands." It lies about 2 1/2 miles E by S of the E point of Swan Island and about 3/4 mile S of Black Island.

The station is on the highest point of the hill, near the eastern end of the island, and is a copper bolt set in a hole in a rock.

Two reference marks, 3/4-inch drill holes filled with lead, are placed, respectively, 10.60 meters SE of E and 17.05 meters S of the station.

SCRAG ISLAND (Hancock County, Maine, J.W.D., 1875; K.G.C., 1934)--This station recovered as described.

Two reference drill holes, given in the original description as being SE by E and S of the station respectively, were found to be NNW and ENE, respectively, instead.

Two reference marks, standard bronze disks wedged in drill holes in outcropping bedrock, were placed as follows; No.1 is NNW and No.2 is E of the station, both on flat-topped ledges.

OBJECT	DISTANCE	DIRECTION
GREAT DUCK ISLAND	meters	$0^{\circ}00'00''$
R.M.No.1	5.272	246 05 38
Ref.Drill Hole No.1	10.602	246 06 50
Ref.Drill Hole No.2	17.007	305 11 50
R.M.No.2	4.322	344 28 52
R.M.No.1 to No.2	7.275	
Drill Hole No.1 to Drill Hole No.2	14.711	

SCRAG ISLAND (Hancock County, Maine, J.W.D., 1875; D.F.R., 1953)--Station and both reference marks were recovered in good condition. Description is adequate.

SCRAG ISLAND

STATE: MAINE

YEAR: 1875

SECOND

—ORDER

SOURCE: G- 6053

GEOGRAPHIC LATITUDE:	44 $09'31.373$	11	METERS
GEOGRAPHIC LONGITUDE:	68 $20'01.960$	SEALED	FEET

STATE COORDINATES (FELL)				
STATE & ZONE	CODE	X	Y	B ICRΔ SANGLE *
ME E	1801	543,594.13	118,645.68	+ $0^{\circ}06'57''$

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\theta = \text{ICRΔ } \alpha$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	DEOGEOTIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE
GREAT DUCK ISLAND	272 25 57.7	272 19 01	1801

51 252

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U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY • NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682

STATION 1110

MAINE

LATITUDE 44° 00' TO 44° 30'

LONGITUDE 68° 00' TO 68° 30'

DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

SEAL COVE (Hancock County, Maine, G.A.F., 1863; 1911)--On the high rocky hill on the N side of Seal Cove, Mount Desert Island (west side).

The station is on the highest and most northerly of three nubbles on the summit, and is marked by a copper bolt set in a hole in a rock. The hill is now thickly covered with young fir and spruce trees.

SEAL COVE (Hancock County, Maine, G.A.F., 1863; K.G.C., 1934)--Station recovered as described, on the high rocky hill on the N side of Seal Cove, W side of Mount Desert Island. Land is owned by Richard C. Paine.

The station mark, a copper bolt in a rock, is on the most southwesterly of three large nubbles and the probable highest one. It is in a rough summit ledge 0.5 foot W of the W end of a 10-by 2 1/2-inch shallow depression which has an E-W direction. It is 6.8 feet NW of the highest part of the ledge and 1.95 feet NE of center of a U notch in rock.

Reference marks, standard bronze disks wedged in drill holes in outcropping bedrock, are placed as follows: Reference mark No.1 is 48.00 feet NE of station in rough ledge and 6 feet W of a 3-foot E face running N and S. A vein running NNW has cracked rock so that 1.3 feet E of reference mark No.1 is a 1-foot face in ledge. Reference mark No.2 is 38.07 feet NNW of station in ledge and where ground after a gradual slope from the station slopes steeper to the N at reference mark.

With speedometer at 0.0 at traffic light (junction of Clark Point Road and Highway 102 in Southwest Harbor); go 7.9 miles on Highway 102 and at West Tremont, on Highway 183 (going right on all main forks in road) to road left on N side of cemetery. Take road left 0.1 mile to woods road just NW of last house. Follow about 0.2 to summit of hill from which station is about 0.3 mile, southwesterly.

A 30-foot signal was used.

OBJECT	DISTANCE	DIRECTION
BAR ISLAND 2	meters	0°00'00"0
R.M.No.2	11.605	111 26 11
R.M.No.1	14.630	179 50 24
R.M.No.1 to R.M.No.2	14.956	

SEAL COVE (Hancock County, Maine, G.A.F., 1863; I.R.R., 1956)

The station mark and reference marks 1 and 2 were recovered in good condition. The distances to the reference marks were verified. The 1934 recovery note by K.G.C. is adequate with the following additions:

Reference mark 1 is a standard disk, stamped "SEAL COVE

1934 NO 1."

Reference mark 2 is a standard disk, stamped "SEAL COVE
1934 NO 2."

NAME OF STATION: SEAL COVE

STATE: MAINE

YEAR: 1863

SECOND

-ORDER

SOURCE: G- 6053

GEOGRAPHIC LATITUDE: 44° 17' 15.929	GEOGRAPHIC LONGITUDE: 68° 24' 41.796	SCALED	73	METERS FEET
--	---	--------	----	----------------

STATE COORDINATES (FEE)				
STATE & ZONE	CODE	X	Y	θ OR Δ OR ANGLE *
ME E	1801	523,144.87	165,652.36	+ 0° 03' 42"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\theta = \tan^{-1}(\frac{dy}{dx})$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From South)	PLANE AZIMUTH (From South)	CODE
BAR ISLAND 2	0° / * / *	0° / * / *	1801

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HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1111
MAINE
LATITUDE $44^{\circ}00'$ TO $44^{\circ}30'$
LONGITUDE $68^{\circ}00'$ TO $68^{\circ}30'$
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

SHEEP (Hancock County, Maine, K.G.C., 1934)--Station is on the summit of Sheep Porcupine Island, Frenchmans Bay. The island is about 3/4 mile NE of the town of Bar Harbor.

The station is on one of the highest outcropping ledges on the summit and there is a 3/4-inch iron bolt 1.6 meters NW from it.

The station and Reference mark No.2 are standard bronze disks wedged in drill holes in outcropping bedrock.

Reference mark No.1 is a copper bolt set in a hole in a rock, and surrounded by a circle. It is located on the highest ledge on the island.

Reference mark No.2 is W of the highest point and SW from the station and about two meters lower.

The station is on the extreme S end of the island, but is most easily approached by a trail across the island from a pebble beach on the NW end, as the cliffs on the S end are steep.

OBJECT	DISTANCE	DIRECTION
IRESON	meters	$0^{\circ}00'00''$
R.M. No.1	11.404	165 25 44
R.M. No.2	16.178	225 01 44
Lorraine Hotel Cupola		265 27 27
R.M. No.1 to R.M. No.2	19.730	
Height of light above station mark	- 12 meters.	
Height of telescope above station mark	- 12 meters.	

SHEEP (Hancock County, Maine, K.G.C., 1934; F.L.P., 1944)
Station recovered in good condition.

Description adequate.

SHEEP

NAME OF STATION: MAINE YEAR: 1934

SECOND ORDER

G- 6053
SOURCE:

GEOGRAPHIC LATITUDE:	44° 23' 58.109	42 METERS
GEOGRAPHIC LONGITUDE:	68° 11' 35.340	FEET

STATE COORDINATES (F.W.T.)				
STATE & ZONE	CODE	X	Y	δ ICRΔ γ ANGLE *
ME E	1801	580,196.06	206,513.43	+ 0° 12' 53"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE δ ICRΔ γ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH * (From south)	CODE
IRESON	122 42 30.5	122 29 37	1801

51 276

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QUAD 440682

STATION 1112

MAINE

LATITUDE 44° 00' TO 44° 30'

LONGITUDE 68° 00' TO 68° 30'

DIAGRAM NL 19-11 BANGOR

NO ORIGINAL TEXT

SHIP AND BARGE BEACON (Hancock County, Maine, N.H.H., 1908; K.G.C., 1934)--This was a no-check point when established in 1908. A checked position of this beacon was determined in 1934. The latter observations check the position established in 1908.

SHIP AND BARGES BEACON (Hancock County, Maine, N.H.H., 1908; I.R.R., 1956) The station was recovered in good condition. A new description is as follows:

The station is located on Ship and Barges Ledge, about 6 mi. W-SW of Southwest Harbor, and about 2.5 mi. N of the N tip of Swan Island. The station is a black tripod, about 30 ft. high, which is the S of two daybeacons.

ADJUSTED HORIZONTAL CONTROL DATA

SHIP AND BARGE BEACON

NAME OF STATION:	MAINE	YEAR:	1908	THIRD
STATE:				-ORDER

SOURCE: G- 6793

GEOGRAPHIC LATITUDE:	44° 13' 32.294	ELEVATION:	METERS
GEOGRAPHIC LONGITUDE:	68° 25' 54.038	FEET	

STATE COORDINATES (FVRT)			
STATE & ZONE	CODE	X	Y
ME E	1801	517,909.12	143,003.23

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\theta = \text{ORG} + \Delta$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE
	0° 0' 0"	0° 0' 0"	

52 107

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HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1113
MAINE
LATITUDE $44^{\circ}00'$ TO $44^{\circ}30'$
LONGITUDE $68^{\circ}00'$ TO $68^{\circ}30'$
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

SHIP AND BARGES LEDGE, NORTH BEACON (Hancock County, Maine, K.G.C., 1934)--
Beacon is a black spindle on the NW end of the ledge.

SHIP AND BARGES LEDGE, NORTH BEACON (Hancock County, Maine,
K.G.C., 1934; F.L.P., 1944) -Station recovered in good condition.

SHIP AND BARGES LEDGE N BEACON

NAME OF STATION: STATE: MAINE YEAR: 1934 ORDER: THIRD

SOURCE: G- 6793

GEOGRAPHIC LATITUDE:	$44^{\circ}13'35.859$	ELEVATION:	METERS
GEOGRAPHIC LONGITUDE:	68 25 56.235		FEET

STATE COORDINATES (feet)				
STATE & ZONE	CODE	X	Y	θ OR Δ ANGLE *
ME E	1801	517,748.86	143,364.06	+ 0° 02' 50"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ OR Δ θ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From east)	PLANE AZIMUTH * (From south)	CODE
	0° 0' 0"	0° 0' 0"	

52 108

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NATIONAL OCEAN SURVEY - NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1114
MAINE
LATITUDE $44^{\circ}00'$ TO $44^{\circ}30'$
LONGITUDE $68^{\circ}00'$ TO $68^{\circ}30'$
DIAGRAM NL 19-11 BANGOR

NO ORIGINAL TEXT

SMALL WHITE HOUSE WITH DARK ROOF CHIMNEY (Hancock County, Maine, F.P.W., 1860; F.L.P., 1944). Station is the approximately 3-foot square chimney on top of the center of the ridge roof of a small white house, now owned by a Mrs. Young. House stands on the summit of a hill due E of the South Gouldsboro Church spire, about 100 meters S by W of the cemetery on this same hill, and approximately 0.2 mile E of Route 185. Local information reveals that the only changes made on this chimney since 1860, was rebuilding it from the ridge of the roof up. Recovery is as positive as can be with the description given.

Form 526
(11-8-65)

U.S. DEPARTMENT OF COMMERCE - COAST AND GEODETIC SURVEY
RECOVERY NOTE, TRIANGULATION STATION
INTERSECTION

NAME OF STATION: SMALL WHITE HOUSE WITH DARK ROOF, CHIMNEY
ESTABLISHED BY: F.P.W. YEAR: 1860 STATE: Maine
RECOVERED BY: N.O.S. YEAR: 1965 COUNTY: Hancock

Detailed statement as to the fitness of the original description; including marks found, stampings, changes made, and other pertinent facts:
Recovered in good condition as described in 1944. House stands in the woods on Cemetery Road at the top of the hill.

R

ADJUSTED HORIZONTAL CONTROL DATA

SMALL WHITE HSE DARK ROOF CHIM

NAME OF STATION: MAINE STATE: 1860 YEAR: THIRD
- ORDER

SOURCE: G- 6793

GEOGRAPHIC LATITUDE:	44°25'49.51"	ELEVATION:	METERS
GEOGRAPHIC LONGITUDE:	68°06'23.23"		FEET

STATE COORDINATES (E-N)				
STATE & ZONE	CODE	X	Y	B IORA Δ ANGLE*
ME E	1801	602,800.40	217,890.54	+ 0°16'32"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE B IORA Δ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From sszb)	PLANE AZIMUTH* (From sszb)	CODE
	0° / *	0° / *	

POSITION DETERMINED BY DATUM DIFFERENCES

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U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1115
MAINE
LATITUDE $44^{\circ}00'$ TO $44^{\circ}30'$
LONGITUDE $68^{\circ}00'$ TO $68^{\circ}30'$
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

SMITH (Hancock County, Maine, G.A.F., 1864)--On the W side of Union River Bay (upper part of Blue Hill Bay) about 1/4 mile from the shore and 5/8 mile E of the head of Morgan Bay. A road crossing the head of Morgan Bay passes close by the station and forms a junction with the shore road to Surry about 180 meters to the eastward. The N end of the "Carrying Place" between Morgan and Union River Bays is about a mile SW by S from the station.

The station is marked by a copper bolt set in hole in a rock.

SMITH (Hancock County, Maine, G.A.F., 1864; K.G.C., 1934)--In Surry Township, on the N end of Newbury Neck, 5/8 mile E of the N end of Morgan Bay and 1 mile N of "The Carrying Place." It is on the S side of a road running eastward from the N end of Morgan Bay to its junction with the shore road about 1/8 mile E of the station.

Station mark is a copper bolt set in a hole in a rock. Reference mark No.1 is a standard disk wedged in a drill hole in outcropping bedrock. Reference mark No.2 is a standard disk set in a block of concrete.

Station mark is 68 feet S of center line of road, 335 feet E of E fence of a cemetery on same side of road and directly across road from an old house site. Area is grown up with bushes 20 feet. R.M.No.1 is 88 feet S of center of road and 305 feet E of cemetery fence. R.M.No.2 is 43 feet S of center of road and 310 feet E of cemetery fence.

To reach station from junction of Highways 3 and 15 in Ellsworth go S 6.4 miles on Highway 15, take gravel road left opposite white schoolhouse with green shutters in belfry; follow 50 yards and take right fork. Continue 2.7 miles, keep straight ahead at T-junction right; follow this road 0.9 mile to station.

OBJECT	DISTANCE	DIRECTION
UNION	meters	$0^{\circ}00'00''$
R.M.No.1	11.010	142 03 48
R.M.No.2	10.498	218 47 26
R.M.No.1 to R.M.No.2	13.346	

A 30-foot tripod and scaffold was erected over the station.

SMITH (Hancock County, Maine, G.A.F., 1864; I.R.R., 1956)

The station mark and reference marks 1 and 2 were recovered in good condition. The distances to the reference marks were verified.

The 1934 description by K.G.C. is adequate and complete.

Reference mark 1 is stamped "SMITH 1864 1934 NO 1."

Reference mark 2 is stamped "SMITH 1864 1934 NO 2."

RECOVERY NOTE, TRIANGULATION STATION QUAD 440682

NAME OF STATION:	SMITH
ESTABLISHED BY:	G.A.F.
YEAR:	1864
RECOVERED BY:	N.C.S.
YEAR:	1968
COUNTY:	Hancock
BENCH MARK(S) ALSO <input type="checkbox"/>	
AIRLINE DISTANCE AND DIRECTION FROM NEAREST TOWN: 3.0 miles southeast of Surry	

Detailed statement as to the fitness of the original description; including marks found, stumplings, changes made, and other pertinent facts:
Station and reference marks recovered in good condition as described in 1934 and 1956. Station is entirely surrounded by tall conifers.

NAME OF STATION:	SMITH
STATE:	MAINE
YEAR:	1864
SECOND ORDER	
SOURCE:	G- 6053
GEODETIC LATITUDE:	44 $27'28.918$
GEODETIC LONGITUDE:	68 $28'07.073$
STATION:	31 METERS FEET

STATE COORDINATES (FRT)				
STATE & ZONE	CODE	X	Y	FLANE AZIMUTH *
ME E	1801	508,190.09	227,710.83	+ $0^{\circ}01'19''$

* FLANE AZIMUTH HAS BEEN COMPUTED BY THE δFORA FORMULA NEGLECTING THE SECOND TERM.

TOSTATION OR OBJECT	DEODETIC AZIMUTH (From south)	FLANE AZIMUTH * (From south)	CODE
UNION	257 26 42.2	257 26 23	1801

51 267

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U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1116
MAINE LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

NO ORIGINAL TEXT

SOMESVILLE CHURCH SPIRE (Hancock County, Maine, G.A.F., 1863-70; K.G.C., 1934)--The church has remained the same since 1870 according to Mrs. Kate Pray who lives nearby. It has a tall white spire and is known as the Somesville Union Meeting House. The church was built in 1852.

SOMESVILLE CHURCH SPIRE (Hancock County, Maine, G.A.F., 1863; P.L.P., 1944)--Station recovered as described by K.G.C. in 1934, in good condition except, it is on the E side of State Highway 102, in Somesville, about 15 meters E of the road, has a board walk from the highway to the door and a small hedge across the front of the lawn.

SOMESVILLE CHURCH SPIRE (Hancock County, Maine, G.A.F., 1863-70; D.F.R., 1953)--Station was recovered in good condition as described in 1944. Residents of the town report the church has not been rebuilt.

SOMESVILLE CHURCH, SPIRE (Hancock County, Maine, G.A.F., 1863-70; I.R.R., 1956)--The station was recovered in good condition. The 1934 description by K.G.C. is adequate and complete.

ADJUSTED HORIZONTAL CONTROL DATA

SOMESVILLE CHURCH SPIRE

NAME OF STATION: MAINE STATE: YEAR: 1863 THIRD -ORDER

SOURCE: G- 6793

GEOGRAPHIC LATITUDE:	44° 21' 37.020	ELEVATION:	METERS
GEOGRAPHIC LONGITUDE:	68° 20' 11.027		FEET

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	θ IGRÄ ANGLE
ME E	1801	542,786.77	192,119.64	+ 0° 06' 52"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ IGRÄ θI FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEODETIC AZIMUTH (From south)	PLANE AZIMUTH (From south)	CODE
	0 / * / *	0 / * / *	

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U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1117
MAINE LATITUDE $44^{\circ}00'$ TO $44^{\circ}30'$
LONGITUDE $68^{\circ}00'$ TO $68^{\circ}30'$
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
Form 624
Rev. May 1954

DESCRIPTION OF RECOVERABLE TOPOGRAPHIC STATION

Name SONO Year 1944
General locality Blue Hill Bay, Me. Sheet No. T-8568
Locality Trumpet Id. Datum N.A. 1927
Chief of party Fred. L. Peacock
Entered by Ruth E. Rudolph
Checked by Raymond Glaser
Approximate elevation above high-water mark 3 feet
Location method: Theodolite, Altimeter, Gravimeter
Detailed description: Standard disc set in drill hole in top of small boulder of extreme N.W. tip of Island. Mark is at base of very small bluff and is only boulder in vicinity. Standard disc stamped "Song, 1944".

Sketch for shoreline and air photograph reference distances and reference points:



Object	SHORELINE REFERENCE DISTANCES			REFERENCE POINTS IDENTIFIABLE ON AIR PHOTOGRAPHS							
	Distance in meters	Direction	Azimuth	Object	Distance in meters	Direction	Azimuth				
M.H.W.L.	5	W		△ Bar I. 8, 1934	73.5	00° 00'		circle of gravel (F.I.P.)	120.49	00° 00'	

Distances must be horizontal distances actually measured on the ground—not scaled.

Above distances measured by:

REFERENCES: Topographic Bureau, paragraphs 12, 22, 33, 34, and page 62; Hydrographic Manual, 226.

SONG

NAME OF STATION: MAINE STATE: MAINE YEAR: 1944 THIRD ORDER

SOURCE: G- 8790

GEOGRAPHIC LATITUDE: 68 26 41.256	ELEVATION: SCALDED	1 METERS FEET
--------------------------------------	-----------------------	------------------

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	θ IORΔ φ I
ME E	1801	514,466.49	149,797.14	+ 0°02'19"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ IORΔ φ I FORMULA NEGLIGENTLY THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH (From south)	CODE
	0° 0' 0"	0° 0' 0"	

54 070

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HORIZONTAL CONTROL DATA

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 National Ocean Survey
 NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1118
 MAINE LATITUDE $44^{\circ}0'0''$ TO $44^{\circ}30'$
 LONGITUDE $68^{\circ}0'0''$ TO $68^{\circ}30'$
 DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

SOUTH GOULDSBORO CHURCH SPIRE (Hancock County, Maine, K.G.C., 1934)--It is the only church in South Gouldsboro. It has a short shingled spire with white peak.

SOUTH GOULDSBORO CHURCH SPIRE (Hancock County, Maine, K.G.C., 1934; F.L.P., 1944). Station is the shingled, pyramidal-type spire with white peak on top of the Bunker Memorial Church which is the only church in South Gouldsboro. Local information reveals that the spire has not been changed in any way since 1934.

SOUTH GOULDSBORO CHURCH SPIRE

NAME OF STATION: STATE: MAINE YEAR: 1934 THIRD -ORDER

SOURCE: G- 6793

GEOGRAPHIC LATITUDE:	44°25'49.650	ELEVATION:	METERS
GEOGRAPHIC LONGITUDE:	68°06'35.202	FEET	

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	θ (FROM S OF ANGLE)
ME E	1801	601,931.64	217,900.56	+ 0°16'23"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\theta = \text{atan } \frac{dy}{dx}$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH * (From south)	CODE
	0° / /	0° / /	

51 436

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 NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
 National Ocean Survey
 NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1119
 MAINE
 LATITUDE $44^{\circ}00'$ TO $44^{\circ}30'$
 LONGITUDE $68^{\circ}00'$ TO $68^{\circ}30'$
 DIAGRAM NL 19-11 BANGOR

NO ORIGINAL TEXT

SOUTHWEST HARBOR CHURCH SPIRE (Hancock County, Maine, G.A.F., 1863; K.G.C., 1934)--According to local residents this church has remained unchanged for over 100 years. It is the Union Church and has a square belfry and tall white spire. No observations were taken on the church in 1934.

SOUTHWEST HARBOR CHURCH SPIRE (Hancock County, Maine, G.A.F., 1863; F.L.P., 1944)--Station recovered in good condition as described by K.G.C. in 1934, except it is in Manset instead of Southwest Harbor.
 According to local information, the spire has not been charged since 1863.

ADJUSTED HORIZONTAL CONTROL DATA

SOUTHWEST HARBOR CHURCH SPIRE

NAME OF STATION: STATE: MAINE YEAR: 1863 ORDER: THIRD

SOURCE: 6- 6793

GEOGRAPHIC LATITUDE:	$44^{\circ}15'56.954$	ELEVATION:	METERS
GEOGRAPHIC LONGITUDE:	$68^{\circ}18'36.252$	FEET	

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	B OR Δ ANGLE *
ME E	1801	549,751.57	157,700.83	+ 0°07'57"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ OR Δ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH * (From south)	CODE
	0 / /	0 / /	

52 008

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1120
MAINE
LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

NO ORIGINAL TEXT

SQUARE HOUSE SOUTH CHIMNEY (Hancock County, Maine, F.P.W., 1860; F.L.P., 1944). Station is the slender brick chimney about 4 meters N of the S gable, on top of the ridge roof of the approximately square house now owned by a Mrs. A. Kingsley. House has another chimney near the N gable, it has 9 windows in front, and has no porches. Local information reveals that the S chimney is the original one and has not been changed in any way.

House stands approximately 0.3 mile SE of Route 1 on State Route 186 and about 20 meters N of the road.

Recovery is as positive as can be with the description given.

RECOVERY NOTE, TRIANGULATION STATION INTERSECTION

NAME OF STATION: SQUARE HOUSE, SOUTH CHIMNEY
ESTABLISHED BY: F.P.W. YEAR: 1860 STATE: Maine BENCH MARK(S) ALSO
RECOVERED BY: N.O.S. YEAR: 1965 COUNTY: Hancock

AIRLINE DISTANCE AND DIRECTION FROM NEAREST TOWN: At West Gouldsboro

Detailed statement as to the fitness of the original description; including marks found, stampings, changes made, and other pertinent facts:

Recovery doubtful. An attempt to use the station for local control indicates that it plots NW of the chimney described in 1944, at the ruins of a cellar foundation which was believed to be that of the house originally taken. The station is probably lost as described in 1934.

The house described in 1944 was recovered in good condition.

RECOVERY NOTE, TRIANGULATION STATION

NAME OF STATION: Square House South Chimney
ESTABLISHED BY: F.P.W. YEAR: 1860 STATE: Maine BENCH MARK(S) ALSO
RECOVERED BY: L.F. Smith YEAR: 1970 COUNTY: Hancock

AIRLINE DISTANCE AND DIRECTION FROM NEAREST TOWN: In West Gouldsboro

Detailed statement as to the fitness of the original description; including marks found, stampings, changes made, and other pertinent facts:

Station is lost, as reported in 1934. Mr. C.F. Merriam of Prospect Harbor has been working on a project of establishing a network of control survey in the area for many years, and when he made a tie to the chimney of Mrs. A. Kingsley's house it was found that the coordinates did not fit the published coordinates. Next door to Mrs. Kingsley's house is a basement excavation of a house destroyed long ago by fire, which is believed to have been the location of the old house.

ADJUSTED HORIZONTAL CONTROL DATA

SQUARE HOUSE SOUTH CHIMNEY

NAME OF STATION: STATE: MAINE YEAR: 1860 THIRD ORDER

SOURCE: G- 6793

GEOGRAPHIC LATITUDE: GEOGRAPHIC LONGITUDE:	44° 28' 13.46" 68° 05' 53.89"	ELEVATION:	METERS FEET
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STATE COORDINATES (FEET)				
STATE & ZONE	CODE	X	Y	θ FOR Δ φ ANGLE *
ME E	1801	604,857.73	232,477.02	+ 0° 16' 53"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ FOR Δ φ FORMULA NEGLECTING THE SECOND TERM.

TOSTATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH * (From south)	CODE

POSITION DETERMINED BY DATUM DIFFERENCES

SEP 1977

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1121
MAINE LATITUDE $44^{\circ}00'$ TO $44^{\circ}30'$
LONGITUDE $68^{\circ}00'$ TO $68^{\circ}30'$
DIAGRAM NL 19-11 BANGOR

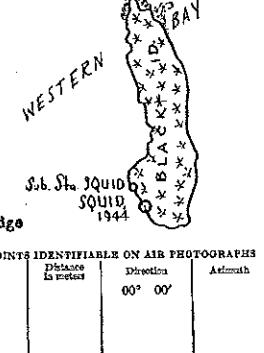
ADJUSTED HORIZONTAL CONTROL DATA

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
Form 551
Rev. May 1954

DESCRIPTION OF RECOVERABLE TOPOGRAPHIC STATION

Name SQUID Year 1944
General locality Blue Hill Bay Sheet No. F-8566
Locality Black Island Datum N.A. 1927
Chief of party Fred. L. Peacock
Listed by Leo J. Kornetsky
Checked by Ruth E. Rudolph
Approximate elevation above high-water mark 8 feet
Location method: Plane-table Survey, Theodolite, Airphotograph-plate
Detailed description: Station is located on the western side of Black Island in upper Blue Hill Bay, about 1 mile east northeast of the northern tip of Bartlett Island, about 50 meters from the southern tip of the Island and just south of the first small indentation on the western side, 5 meters back of the Mean High-water Line. Mark is a standard disc stamped "SQUID 1944" set in the ledge rock.
SHORELINE REFERENCE DISTANCES
Object Distance Direction Azimuth
Mean High Water Line 5 00° 00' west

Sketch for shoreline and air photograph reference distances and reference points:



Distances must be horizontal distances actually measured on the ground—not scaled.
Above distances measured by:

SQUID (Hancock County, Maine, F.L.P., 1944; I.R.R., 1956)
-The station was recovered in good condition. The original description is adequate and complete. It is marked by a topographic disk, stamped "SQUID 1944."

SQUID

NAME OF STATION:
MAINE

YEAR: 1944

THIRD

-ORDER

G- 6853
SOURCE:

GEOGRAPHIC LATITUDE: 44°22'47.791	GEOGRAPHIC LONGITUDE: 68°24'07.946	SCALED	1 METERS FEET
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STATE COORDINATES (Feet)

STATE & ZONE	CODE	X	Y	θ (GRAD. OR ANGLE)
ME E	1801	525,566.90	199,258.24	+ 0°04'06"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\theta = \text{GRAD. } \theta$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE

SEP 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682

STATION 1122

MAINE

LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

ST. BERNARD (Hancock County, Maine, F.P.W., 1860)--On a bare hill about a mile NW of Winter Harbor. A road leading to Winter Harbor passes along the western foot of the hill at a distance of about 1/4 mile from the station, and about 100 meters to the NW of the latter there is a clump of spruce trees.

The station is a hole drilled in a rock.

ST. BERNARD (Hancock County, Maine, F.P.W., 1860; Maine Geod.S., 1933)--The station is on a hill about a mile NW of the village of Winter Harbor. Two roads ascend the hill and join to form a circle around the summit. These roads are seldom used but are passable for cars. The shorter one leaves the Winter Harbor to Summer Harbor road at a point a little over a mile NW of the Winter Harbor post office and the longer one leaves at a point about 1/8 mile NW of the post office.

A drill hole in a ledge at the highest part of the hill appears to be the station. About 20 meters SW of the hole are six iron rods in the ledge, these formerly having served to anchor an observation tower. The view is open to the S but is more or less obstructed by trees to the N.

Because of the roads and the more open nature of the hill, this station is more accessible than station ASH, a short distance to the N.

ST. BERNARD (Hancock County, Maine, F.P.W., 1860; K.G.C., 1934)--The station was recovered as described. It is on a hill about one mile NW of Winter Harbor. A road to the summit leaves the Summer Harbor road at a point a little over a mile NW of the Winter Harbor post office. The station was marked when recovered by a drill hole in the highest part of the bare summit ledge. It was re-marked and two reference marks were established. The marks are standard bronze disks wedged in drill holes in outcropping bedrock.

A pole was erected over the station in 1934 and cut in from other stations to identify the drill hole as the old station.

OBJECT	DISTANCE	DIRECTION
SCHOODIC	meters	0°00'00"0
R.M.No.1	8.422	102 10
R.M.No.2	7.450	202 27
R.M.No.1 to R.M.No.2	12.204	

ST. BERNARD (Hancock County, Maine, F.P.W., 1860; F.L.P., 1944)--Station and reference marks recovered in good condition as described by K.G.C. in 1934. Distances to reference marks were checked.

ADJUSTED HORIZONTAL CONTROL DATA

ST BERNARD

NAME OF STATION:

MAINE

YEAR: 1860

THIRD

-ORDER

SOURCE: G- 6793

GEOGRAPHIC LATITUDE:	44° 24' 10.940		ELEVATION:	69	METERS
GEOGRAPHIC LONGITUDE:	68 05 51.721		SCALED		FEET

STATE COORDINATES (FEET)				
STATE & ZONE	CODE	X	Y	# ICRΔ SI ANGLE*
ME E	1801	605,135.73	207,920.68	+ 0° 16' 53"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE # ICRΔ SI FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE
SCHOODIC	315 36 40.9	315 19 48	1801

SEP 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY + NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

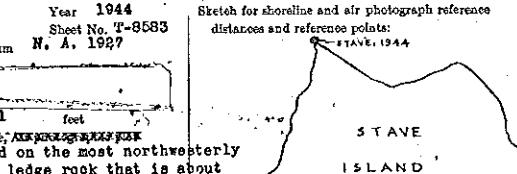
QUAD 440682 STATION 1123
MAINE LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
Form 822
Rev. May 1964

DESCRIPTION OF RECOVERABLE TOPOGRAPHIC STATION

Name STAVE Year 1944
General locality Frenchman Bay Sheet No. T-8583
Locality Stave Island Datum N. A. 1927
Chief of party Fred. L. Peacock
Marked by: John M. Reinoldi
Checked by Harry R. Rudolph
Approximate elevation above high-water mark 1 foot
Location method: THEODOLITE, THEODOLITE, THEODOLITE
Detailed description: Station is located on the most northwesterly tip of Stave Island, on the flat ledge rock that is about 20 meters offshore in a northwesterly direction, on the highest part of ledge and 24 meters northwest of northwest tip of grass line. Station is standard topographic disc stamped "Shave, 1944", set in the ledge rock.
NOTE: This mark may be stamped "Stave" instead of "Shave".



SHORELINK REFERENCE DISTANCES			REFERENCE POINTS IDENTIFIABLE ON AIR PHOTOGRAPHS		
Object	Distance in feet	Direction	Object	Distance in feet	Direction
	000' 00"			000' .00'	

Distances must be horizontal distances actually measured on the ground—not scaled.

Above distances measured by:
REFERENCES: Topographic Manual, paragraphs 14, 29, 31, 37, and page 62; Hydrographic Manual, ANL

16-31062-2 GPO

STAVE

NAME OF STATION: MAINE

YEAR: 1944

THIRD

—ORDER

SOURCE: G- 6939

GEOGRAPHIC LATITUDE:	44° 27' 00" 188	SCALED:	2 METERS
GEOGRAPHIC LONGITUDE:	68° 08' 07.364	FEET	

STATE COORDINATES (FATH)

STATE & ZONE	CODE	X	Y	PLANE ANGLE*
ME E	1801	595,212.57	225,012.27	+ 0° 15' 19"

PLANE AZIMUTH HAS BEEN COMPUTED BY THE EQUATION FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE
	0° 0' 0"	0° 0' 0"	

52 379

SEP 1977

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY + NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682

STATION 1124

MAINE
LATITUDE $44^{\circ}00'$ TO $44^{\circ}30'$
LONGITUDE $68^{\circ}00'$ TO $68^{\circ}30'$
DIAGRAM NL 19-11 BANGOR

NO TEXT

ADJUSTED HORIZONTAL CONTROL DATA

NAME OF STATION: STEWART

STATE: MAINE

YEAR: 1875

THIRD

-ORDER

SOURCE: G- 6793

GEOGRAPHIC LATITUDE:	$44^{\circ}09'44.46''$	ELEVATION:	METERS
GEOGRAPHIC LONGITUDE:	$68^{\circ}28'19.52''$	FEET	

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	θ (OR Δ φ) ANGLE*
ME E	1801	507,324.04	119,927.99	+ $0^{\circ}01'10''$

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ (OR $\Delta \phi$) FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE
	0 0 0	0 0 0	

POSITION DETERMINED BY DATUM DIFFERENCES

52 193

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SEP 1977

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682

STATION 1125

MAINE

LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

NO ORIGINAL TEXT

SULLIVAN'S HOUSE, CHIMNEY NO.2 (Hancock County, Maine, F.P.W., 1860; K.G.C., 1934)--This station is lost.

SULLIVAN'S HOUSE, CHIMNEY NO. 2 (Hancock County, Maine, F.P.W., 1860; F.L.P., 1944). The station is lost. There is no house in the plotted position of the station.

Form 526
(11-8-55)
U.S. DEPARTMENT OF COMMERCE - COAST AND GEODETIC SURVEY
RECOVERY NOTE, TRIANGULATION STATION

NAME OF STATION: SULLIVAN CHIMNEY NO. 2
ESTABLISHED BY: F.P.W. YEAR: 1860 STATE: Maine
RECOVERED BY: C.F. Merriam YEAR: 1964 COUNTY: Hancock

Detailed statement as to the fitness of the original description; including marks found, stampings, changes made, and other pertinent facts:

Letter of Mr. Carroll F. Merriam, Prospect Harbor, Me., dated July 19, 1964:

The published coordinate for the station agrees perfectly with the belfry of the church in Sorrento which at one time was part of Sullivan. The belfry is short and stubbed and could easily be mistaken for a white painted chimney. The location is not far from the home of General Sullivan, which fact may possibly have given rise to the mistake. Established a ground station near the church and fine the published coordinate well confirmed. The station should not be considered lost as noted in previous reports.

The station is the Sorrento Methodist Church on State Route 185.

U.S. DEPARTMENT OF COMMERCE - COAST AND GEODETIC SURVEY
RECOVERY NOTE, TRIANGULATION STATION
INTERSECTION

NAME OF STATION: SULLIVAN'S HOUSE, CHIMNEY NO. 2
ESTABLISHED BY: F.P.W. YEAR: 1860 STATE: Maine
RECOVERED BY: N.C.S. YEAR: 1965 COUNTY: Hancock

Detailed statement as to the fitness of the original description; including marks found, stampings, changes made, and other pertinent facts:
While this station is not definitely recovered, Mr. Carroll F. Merriam believes that the fact that it plots on the white cupola on the Union Church, built in 1845, which is 0.5 mile east of the intersection of U.S. Highway 1 and Sorrento Road and diagonally across from the Sullivan School, and because of its shape and size could easily have been mistaken for a chimney at a distance, that this is the station, and perhaps should read SULLIVAN, HOUSE CHIMNEY NO. 2, especially as SULLIVAN'S HOUSE CHIMNEY NO. 1 is considerable distance away and also plots on a similar cupola on a church in Sorrento.

RECOVERY NOTE, TRIANGULATION STATION QUAD 440682
INTERSECTION

NAME OF STATION: SULLIVAN'S HOUSE, CHIMNEY NO. 2
ESTABLISHED BY: F.P.W. YEAR: 1860 STATE: Maine BENCH MARK(S) ALSO
RECOVERED BY: N.C.S. YEAR: 1968 COUNTY: Hancock

AIRLINE DISTANCE AND DIRECTION FROM NEAREST TOWN: 1.3 miles northeast of Sorrento

Detailed statement as to the fitness of the original description; including marks found, stampings, changes made, and other pertinent facts:
Considered lost since 1934, Mr. Carroll F. Merriam believes this to be the short belfry on the Sorrento Community Church about 100 feet west of State Highway 185 on Waukeag Neck (eastern side), which from a distance resembles a chimney. He has used the point for local control, and found its position to agree with the published position. Sorrento was once a part of Sullivan, and the name probably should have been SULLIVAN, HOUSE CHIMNEY NO. 2. To reach from the junction of U.S. Highway 1 and State Highway 185 in Sullivan, go south on 185 for 1.7 miles to the church on the right.

(Continued next page)

ADJUSTED HORIZONTAL CONTROL DATA

SULLIVANS HOUSE CHIMNEY 2

STATE: MAINE YEAR: 1860 THIRD ORDER

SOURCE: G- 6793

GEOGRAPHIC LATITUDE:	44° 29' 25.00	ELEVATION:	METERS
GEOGRAPHIC LONGITUDE:	68° 10' 08.92	FEET	

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	B IORΔ OR ANGLE*
ME E	1801	586,336.14	239,638.26	+ 0° 13' 55"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE B IORΔ OR FORMULA NEGLECTING THE SECOND TERM.

TOSTATION OR OBJECT	GEODETIC AZIMUTH (From South)	PLANE AZIMUTH* (From South)	CODE
	0° 1° "	0° 1° "	

POSITION DETERMINED BY DATUM DIFFERENCES

51 517

SEP 1977
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

SULLIVANS HOUSE CHIMNEY 2 (Continued)

HORIZONTAL CONTROL DATA

by the
NATIONAL GEOGRAPHIC SURVEY
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1125
LATITUDE ° ' TO ° '
LONGITUDE ° ' TO ° '
DIAGRAM

RECOVERY NOTE, TRIANGULATION STATION
Sullivan's House Chimney No. 2

NAME OF STATION: (Sorrento Methodist Church Cupola)
ESTABLISHED BY: F.P.W. YEAR: 1860 STATE: Maine BENCH MARK(S) ALSO
RECOVERED BY: L.F. Smith YEAR: 1970 COUNTY: Hancock
AIRLINE DISTANCE AND DIRECTION FROM NEAREST TOWN: In Sorrento

Detailed statement as to the fitness of the original description; including marks found, stampings, changes made, and other pertinent facts:

Station was recovered in good condition; it was incorrectly named originally. Mr. G.E. Merriam of Prospect Harbor has been working on a project of establishing a network of control survey in the area for many years, and when he positioned the Sorrento Methodist Church Cupola he found that the coordinates coincided exactly with those published for Sullivan's House Chimney No. 2.

Station is the square, white cupola, with black pyramid roof, on white church building in the village of Sorrento.

NOTE: This church and the East Sullivan Union Church are almost identical in appearance from a distance, and this is probably the reason for the misidentification of these intersection stations.

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JUL 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

Q 440682 STATION 1126
MAINE LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

TENT (Hancock County, Maine, F.L.P., 1944)--Station is located on the northern side of Patters Bay about 2 miles east of Surry, 1 mile west of Weymouth Point, about 700 meters east of Contention Cove that makes up to the Highway, on a small point in the general trend in the shoreline, 2 meters back of the Mean High Water Line, and about 2 meters southwest of a 3 foot boulder on beach. Mark is a standard disc stamped "TENT 1944" set in ledge rock.

Object	Distance in meters	Direction 00° 00'
M. H.W. LINE	2	Southwest
M. H.W. LINE	3	Southeast

Form 526
(11-8-55)
U.S. DEPARTMENT OF COMMERCE - COAST AND GEODETIC SURVEY
RECOVERY NOTE, TRIANGULATION STATION

NAME OF STATION: TENT
ESTABLISHED BY: F.L.P. YEAR: 1944 STATE: Maine
RECOVERED BY: N.C.S. YEAR: 1968 COUNTY: Hancock

Detailed statement as to the fitness of the original description; including marks found, stampings, changes made, and other pertinent facts:

The station was recovered in good condition. The published description is adequate and complete. It is marked by a topographic disk stamped TENT 1944.

RECOVERY NOTE, TRIANGULATION STATION QUAD 440682
TOPOGRAPHIC

NAME OF STATION: TENT
ESTABLISHED BY: F.L.P. YEAR: 1944 STATE: Maine BENCH MARK(S) ALSO
RECOVERED BY: N.C.S. YEAR: 1968 COUNTY: Hancock

AIRLINE DISTANCE AND DIRECTION FROM NEAREST TOWN: 1.9 miles east of Surry

Detailed statement as to the fitness of the original description; including marks found, stampings, changes made, and other pertinent facts:

Located on the northern side of Patten Bay, 1.9 miles east of Surry, 0.5 mile east of Contention Cove, 0.2 mile south of State Highway 172, 360 feet west along the shore from the dock at the "Gatherings", about 8 feet southwest of a round 4-foot diameter boulder that sets on exposed bedrock. A standard topographic disk stamped TENT 1944, set in a drill hole in ledge 6 feet north of high water line.

To reach from Surry, go east on State Highway 172 for about 2 miles to a dirt road on the right at a large sign "The Gatherings", turn right and go past the office and lunch room, continuing southward to the dock (about 0.2 mile) and the station on the right.

REPORT ON CONDITION OF SURVEY MARK

Form Approved
Budget Bureau No. 41-R1923

Name or Designation: TENT Year Established: 1944
State: Maine County: Hancock Organization Established by: USCGS

Distance and direction from nearest town: 2 miles east of Surry village

Description published in: (Line, book, or quadrangle number)

Mark searched for or recovered by: Name: Casey Dodge

Organization: Merrick & Salisbury Inc.

Date of report: Oct. 1973 Address: Blue Hill, Maine 04614

Condition of marks: List letters and numbers found stamped in (not cast in) each mark.

Mark stamped: TENT 1944	Condition: Good

Marks accessible? Yes No Property owner contacted? Yes No
Please report on the thoroughness of the search in case a mark was not recovered, suggested changes in description, need for repairing or moving the mark, or other pertinent facts:

Mark is on the property of the Gatherings campground. Station Union is visible from station tent.

ADJUSTED HORIZONTAL CONTROL DATA
ADJUSTMENT BY NGS

NAME OF STATION	STATE	YEAR	OBS BY EGS
TENT	MAINE	1944	THIRD -ORDER

SOURCE: G-06853

GEODETIQUE LATITUDE: GEODETIQUE LONGITUDE:	44° 29' 22.9800 68° 27' 39.36100	ELEVATION: SCALED	6 METERS FEET
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STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	B-104Δ DI ANGLE*
ME E	1801	510,194.40	239,256.20	+ 0° 01' 39"

*PLANE AZIMUTH HAS BEEN COMPUTED BY THE B-104Δ DI FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEODETIQUE AZIMUTH (From north)	PLANE AZIMUTH* (From south)	CODE
SURRY WDEA NORTHEAST MAST	14° 50' 29.3	14° 48' 51"	1801
SURRY WDEA SOUTHWEST MAST	16 00 29.8	15 58 51	1801

THESE DATA ARE OBTAINED FROM ADJUSTMENT OF 1944

HO 083

SEP 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY • NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1127
MAINE
LATITUDE $44^{\circ}00'$ TO $44^{\circ}30'$
LONGITUDE $68^{\circ}00'$ TO $68^{\circ}30'$
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
FORM 51A
Rev. May 1954

DESCRIPTION OF RECOVERABLE TOPOGRAPHIC STATION

Name **TINK** Year 1944
General locality Blue Hill Bay, Me. Sheet No. T-8568
Locality Tinker Id. (S. end) Datum N.A. 1927

Chief of party Fred. L. Peacock

Surveyor Ruth E. Rudolph

Checked by Raymond Glaser

Approximate elevation above high-water mark 40 feet

Location method Dumpy Level, Theodolite, Aerial photograph

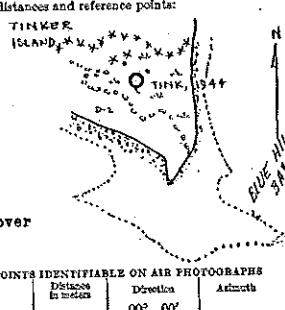
Detailed description: Station is standard disk set in drill hole in outercap of ledge on S.E. end of Tinker Island. Station is in bare top ledge on range with H.W.L. at extreme S.W. tip of island and 15' evergreen at edge of low marshy pond. It is about 42 m. from Shad to N. and about 54 m. N.W. of N.W. corner of Rock cellar. House over cellar has been destroyed.

Object	SHORELINE REFERENCE DISTANCES			REFERENCE POINTS IDENTIFIABLE ON AIR PHOTOGRAPHS			
	Distance in meters	Direction	Azimuth	Object	Distance in meters	Direction	Azimuth
M.H.W. (about)	132 m.	E					

Distances must be horizontal distances actually measured on the ground—not scaled.

Above distances measured by:
REFERENCE: Topographic Manual, paragraphs 16, 20, 30, 37, and page 52; Hydrographic Manual, 25L

Sketch for shoreline and air photograph reference distances and reference points:



NAME OF STATION:		YEAR:		THIRD	
STATE:	MAINE	YEAR:	1944	- ORDER	
SOURCE:	G- 6853				
GEODETIC LATITUDE:	44° 15' 56.191	GEODETIC LONGITUDE:	68° 28' 15.437	SCALE:	7 METERS FEET

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	B-CRΔ DIANGLE*
ME E	1801	507,608.35	157,567.36	+ 0° 01' 13"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\theta = \text{CRΔ} / 51$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEODETIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE
	0 7 #	0 7 #	

52 344

SEP 1977

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY • NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

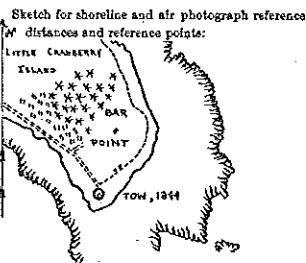
QUAD 440682 STATION 1128
MAINE LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
FEB. 20, 1954
EST. MAY 1944

DESCRIPTION OF RECOVERABLE TOPOGRAPHIC STATION

Name TOW, 1944 Year 1944
General locality Mt. Desert Island Sheet No. T-8588
Locality Bar Pt., Little Cranberry Datum N. A. 1927
Chief of party Fred. L. Peacock
Surveyed by Florence M. Hammond
Checked by Harry R. Rudolph
Approximate elevation above high-water mark feet
Location method: THEODOLITE, Theodolite, ARITHMETIC
Detailed description: Station is center of top of Coast Guard
Watch Tower, on top of Coast Guard Headquarters
Building, at northwest end. Not to be confused with
steal flag tower near by.



SHORELINE REFERENCE DISTANCES			
Object	Distance in meters	Direction	Azimuth
	000 00'		00° 00'

REFERENCE POINTS IDENTIFIABLE ON AIR PHOTOGRAPHS			
Object	Distance in meters	Direction	Azimuth
	000 00'		00° 00'

Distances must be horizontal distances actually measured on the ground—not scaled.

Above distances measured by:

REFERENCES: Topographic Manual, paragraphs 14, 29, 30, 37, and page 62; Hydrographic Manual, 1951.

18-21068-2 GPO

TOW (Hancock County, Maine, F.L.P., 1944; D.F.R., 1953)
Station was recovered as described except that building is no longer owned by the Coast Guard.

TOW

NAME OF STATION:
MAINE

YEAR: 1944

THIRD

—ORDER

G- 6939
NO OBSERVATION CHECK ON THIS POSITION

GEOGRAPHIC LATITUDE: 44° 15' 19.72	ELEVATION: METERS FEET
GEOGRAPHIC LONGITUDE: 68° 12' 49.57	

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	θ (OR Δ) ANGLE *
ME E	1801	574,990.35	154,003.86	+ 0° 11' 59"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\theta = \text{OR}(\Delta)$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH * (From south)	CODE

SEP 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1129
MAINE
LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

TOWNSEND (Hancock County, Maine, J.W.D., 1875; 1911) -- On the summit of Big Mountain, Swan Island, about a mile E of Burnt Coat Harbor, 1 1/2 miles NE by N of Stanley Point, and 1/4 mile SE of the road leading to the village of Atlantic.

The station is marked by a copper bolt set in a hole in a rock.

Two reference marks, 3/4-inch drill holes filled with lead are placed respectively, 5.55 meters W and 12.70 meters SW of the station.

TOWNSEND (Hancock County, Maine, J.W.D., 1875; K.G.C., 1934) -- Station was recovered, but the description is only partially correct at present. As the copper bolt station mark and drill hole reference marks were in good condition, they were not disturbed. Two new reference marks were set, standard bronze disks wedged in drill holes in outcropping bedrock.

Station is on the summit of Big Mountain, Swans Island, about 1 mile E of Burnt Coat Harbor, about 1/2 mile W of Goose Pond and about 1 1/2 miles S of the church in the village of Atlantic.

Reference mark No.1 is in a low ledge S of the highest point, and reference mark No.2 is in a low ledge E of reference mark No.1, and drill hole No.2 is in a boulder about 5 feet high SW of the station.

The station is most easily reached from Burnt Coat Harbor. Land at Johnson's fish wharf; from wharf, follow road N about 1/2 mile to schoolhouse then take right fork, follow about 150 meters E, then take old woods road left. Follow NE about 3/4 miles to top of mountain, then turn W thru woods 150 meters to station.

A 40-foot tower was erected.

OBJECT	DISTANCE	DIRECTION
BASS HARBOR	meters	0°00'00"0
Drill Hole No.1	12,692	162 48 60
R.M. No.1	12,040	180 26 52
Drill Hole No.2	5,530	224 04 52
R.M. No.2	13,618	246 06 27
R.M. No.1 to R.M. No.2	13,928	
Drill Hole No.1 to R.M. No.1	3,850	

TOWNSEND (Hancock County, Maine, J.W.D., 1875; F.L.P., 1944) -- Station recovered in good condition. Reference marks were recovered intact but marks are somewhat battered and slightly defaced. Description is adequate except for following addition to the routing to reach station "in following roads through woods, bear hard left at small abandoned rock quarry at about 1/4 mile point, and take right hand road at forks at about 1/2 mile point." Reference marks measured and checked.

TOWNSEND (Hancock County, Maine, J.W.D., 1875; I.R.R., 1956) -- The station mark, reference marks 1 and 2, and the two drill hole reference marks were recovered in good condition. The distances to the reference marks and drill holes were verified. The 1934 recovery note by K.G.C. is adequate and complete with the following additions:

The station mark is a copper bolt surrounded by lead. Reference marks 1 and 2 are standard disks, stamped "TOWNSEND 1875 1911 1934 NO 1 and NO 2," respectively. The disks are slightly defaced.

The drill hole reference marks are nails set in drill holes surrounded by lead.

To reach the station from the schoolhouse, go about 500 ft. N-NE along a trail back of the schoolhouse to a fork in a trail leading NE, take right fork for about 1000 ft. to an abandoned rock quarry, thence take left fork of trail for about 2000 ft. to the top of a mountain, thence turn NW through an open area about 500 ft. to the station site.

ADJUSTED HORIZONTAL CONTROL DATA

TOWNSEND

NAME OF STATION:

STATE: MAINE

YEAR: 1875

SECOND

-ORDER

G- 6053

SOURCE:

GEOGRAPHIC LATITUDE:	44° 08' 59.709		ELEVATION:	66	METERS
GEOGRAPHIC LONGITUDE:	68° 25' 28.254		SCALED:		FEET

STATE COORDINATES (FNU)				
STATE & ZONE	CODE	X	Y	θ OR Δ OR ANGLE *
ME E	1801	519,811.87	115,404.67	* 0° 03' 09"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ OR Δ OR FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH * (From south)	CODE
BASS HARBOR	220 41 11.82	220 38 03	1801

51 223

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U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1130
MAINE
LATITUDE $44^{\circ}00'$ TO $44^{\circ}30'$
LONGITUDE $68^{\circ}00'$ TO $68^{\circ}30'$
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

TRENTON, MOUTH OF JORDAN RIVER, CHURCH SPIRE (Hancock County, Maine, K.G.C., 1934)--The tall church spire on Highway 3 in Trenton on the W side of the mouth of the Jordan River.

TRENTON, MOUTH OF JORDAN RIVER, CHURCH SPIRE (Hancock County, Maine, K.G.C., 1934; I.R.R., 1956)
The station was recovered in good condition. The original description is adequate.

TRENTON, MOUTH OF JORDAN RIVER, CHURCH SPIRE (Hancock County, Maine, K.G.C., 1934; F.L.P., 1944)
Station recovered as described by K.G.C. in 1934. Spire is in good condition. According to resident living next door to the church, the spire has not been changed in any way since 1934.

INTERSECTION
RECOVERY NOTE, TRIANGULATION STATION R

NAME OF STATION: TRENTON, MOUTH OF JORDAN RIVER, CHURCH SPIRE
ESTABLISHED BY: G.A. F. YEAR: 1865 STATE: Maine BENCH MARK ALSO
RECOVERED BY: A.R. Bricknell YEAR: 1975 COUNTY: Hancock
AIRLINE DISTANCE AND DIRECTION FROM NEAREST TOWN: In Trenton
HEIGHT OF TELESCOPE ABOVE STATION MARK FEET. HEIGHT OF LIGHT ABOVE STATION MARK FEET.

DISTANCES AND DIRECTIONS TO AZIMUTH MARK, REFERENCE MARKS AND PROMINENT OBJECTS WHICH CAN BE SEEN FROM THE GROUND AT THE STATION				
OBJECT	BEARING	DISTANCE		DIRECTION
		FEET	METERS	
				° ′ ″

Station recovered as described

TRENTON MOUTH OF JORDAN R CH

NAME OF STATION: MAINE YEAR: 1934 THIRD ORDER

SOURCE: G- 6793
NOT OBSERVATION CHECK ON THIS POSITION

GEOGRAPHIC LATITUDE:	44 27' 07.07"	ELEVATION:	METERS
GEOGRAPHIC LONGITUDE:	68 22 03.43		FEET

STATE COORDINATES (FRT)				
STATE & ZONE	CODE	X	Y	B IGRAD ANGLE
ME E	1801	534,567.06	225,524.93	+ 0° 05' 34"

PLANE AZIMUTH HAS BEEN COMPUTED BY THE B IGRAD A FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEODETIC AZIMUTH (From south)	PLANE AZIMUTH (From south)	CODE

SEP 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANSURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1131
MAINE
LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

TRENTON POINT (Hancock County, Maine, G.A.F., 1865; 1911) -- Near the summit of the hill in the upper part of the point of that name, about midway between Raccoon Cove and Berrys Cove, and about 1/2 mile NE of the road leading to Lamoine. The station is 8 paces W of a fence and between two small clumps of spruce trees (four trees in the northern clump and three in the southern). Lamoine is about 2 miles NW of the station. The station was originally marked by a copper bolt set in a hole in a rock but in 1911 the bolt had been removed, leaving only the drill hole as the mark. It now has a small pile of stones over it.

TRENTON POINT (Hancock County, Maine, G.A.F., 1865; K.G.C., 1934) -- Station recovered as described.

Land is owned by Melvin Wilbur at the station, on the E side of fence it is owned by G.W. Thompson of Bangor.

Station and reference marks are standard bronze disks wedged in drill holes in outcropping bedrock.

Station mark is in a juniper-covered boulder 175 feet N of center of woods road at E end of clearing and 27 feet W of rail fence.

Reference mark No.1 is in a moss-covered boulder 57.22 feet SE of station and 30 feet E of rail fence.

Reference mark No.2 is 53.83 feet S of station and 20 feet W of rail fence. It is in a 2 1/2- by 3 1/2-foot round boulder, which is 1 1/2 feet above ground and juniper covered.

From junction of Highways 1 and 3 (1 mile S of Ellsworth) follow Highway 1, 1 mile and turn S onto Highway 184 and follow 1/2 mile nearly to top of hill and take dim woods road E between two gravel pits, follow 0.4 mile to E edge of clearing.

A 50-foot signal was used.

OBJECT	DISTANCE	DIRECTION
MARLBORO	meters	0°00'00"0
R.M.No.1	17.440	71 02 42
R.M.No.2	16.406	138 30 00
R.M.No.1 to R.M.No.2	18.820	

TRENTON POINT (Hancock County, Maine, G.A.F., 1865; F.L.P., 1944) -- Station and reference marks recovered in good condition. Distances to reference marks measured and checked. Description is adequate, except clearing is beginning to become overgrown, and there are numerous rocks lying loose around the station.

TRENTON POINT (Hancock County, Maine, G.A.F., 1865; I.R.R., 1956) -- The station mark and reference marks 1 and 2 were recovered in good condition. The distances to and between the reference marks were verified. The 1934 recovery note by K.G.C. is adequate with the following corrections and additions:

The rail fence referred to is no longer in existence.

The station mark is stamped "TRENTON POINT 1865 1934."

Reference mark 1 is stamped "TRENTON POINT 1934 NO 1."

Reference mark 2 is stamped "TRENTON POINT 1934 NO 2."

NAME OF STATION:		YEAR:	SECOND ORDER
TRENTON POINT		1865	
STATE:	YEAR:	SECOND ORDER	
G - 6053	SOURCE:	59 METERS FEET	59 METERS FEET
GEOGRAPHIC LATITUDE: 68 18 19.854	GEOGRAPHIC LONGITUDE: 44° 27' 59.802	SCALE:	

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	θ IORΔ A [*]
ME E	1801	550,771.01	230,896.89	+ 0° 08' 10"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ IORΔ A^{*} FORMULA NEGLECTING THE SECOND TERM.

TOSTATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH [*] (From south)	CODE
MARLBORO	232 26 55.9	232 18 46	1801

51 271

JUL 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

440682 STATION 1132
MAINE
LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

UNION (Hancock County, Maine, K.G.C., 1934)--In Trenton Township on the E bank of Union River Bay, 1/2 mile S of the small cove at Bayside and 1 1/4 miles SSE of Weymouth Point. It is on a prominent rocky point, with grass on it, about 700 feet S of a small cottage. There is a small indentation which divides the general point into two smaller points. The station mark is on the most northerly of the two, 6.4 meters E of the W edge, 2 meters N of the S edge and 1.5 meters W of the tree line. Three iron bolts which held the tripod should facilitate the recovery of the station.

The station and reference marks are standard bronze disks wedged in drill holes in outcropping bedrock.

Reference mark No.1 is 8 meters E of the W edge, and 12.2 meters N of the S edge. Reference mark No.2 is 2 meters E of the W edge, and 0.4 meter N of the S edge.

To reach from Ellsworth post office, go S 5.6 miles on the road running along the E side of the river and turn into dirt road between two houses. Follow 1.5 miles and take left fork. Continue 0.15 mile, passing two driveways which turn off to the right, at a post with iron brackets. Stop at cottage on the shore and walk S along the high-water line to the second point, about 700 feet from the cottage.

*Distance and direction from traverse between UNION and BLUFF POINT.

OBJECT	DISTANCE	DIRECTION
HAYNES	feet	0°00'00"0
R.M.No.2	16.39	69 11 51
*BLUFF POINT	356.83	165 25 55
R.M.No.1	34.05	193 44 10
R.M.No.1 to R.M.No.2	45.40	

Height of light above station mark 2 meters.

Height of telescope above station mark - 1 meter.

UNION (Hancock County, Maine, K.G.C., 1934; F.L.P., 1944) (Previous Station and reference marks recovered in good condition as described by K.G.C. in 1934, except that it is now more easily reached by going S from Ellsworth Post Office 5.45 miles on the road that runs down the E side of Union River Bay, and turns right on gravel road. Follow for 0.25 mile to a white shingled summer home, now owned by Mr. H.C. Stratton of Ellsworth.

Station is 6-1/2 inches W of the W edge of the porch on the W and seaward side of the house, and it is 2-1/4 inches N of the N edge of the steps leading up to the porch.

Distances to reference marks were checked and found correct.

of Station: UNION State: Maine County: Hancock

Reference mark 2 is west of the station, 30.0 feet east of MHNL and 8.4 feet south of a miniature lighthouse. It is marked by a standard disk stamped UNION NO 2 1934 set in ledge rock.

To reach the station from the post office in Ellsworth, go 5.5 miles south along Maine State Highway 230 to a private gravel road leading west, turn west on this road and proceed 0.25 mile to a white-shingled summer house and station site.

(Continued on next page)

ADJUSTED HORIZONTAL CONTROL DATA
ADJUSTMENT BY CGS

NAME OF STATION: UNION OBS BY CGS
STATE: MAINE YEAR: 1934 ORDER:
SOURCE: 6-06053

GEOGRAPHIC LATITUDE:	44° 27' 51.32600	ELEVATION:	1 METERS
GEOGRAPHIC LONGITUDE:	68° 25' 46.42700	SCALED:	FEET

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	S IGRAD ANGLE *
ME E	1801	518,388.56	229,986.18	+ 0° 02' 58"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE S IGRAD BY FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH * (From south)	CODE
HAYNES	2 56 38.5	2 53 40	1801

THESE DATA ARE OBTAINED FROM ADJUSTMENT OF 1944

HO 086

SEP 1977
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

HORIZONTAL CONTROL DATA

by the
NATIONAL GEODETIC SURVEY
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1132
LATITUDE ° / TO ° /
LONGITUDE ° / TO ° /
DIAGRAM

UNION (Continued)

UNION (Hancock County, Maine, K.G.C., 1934; I.R.R., 1956) (Preference marks 1 and 2, and triangulation station BLUFF POINT were recovered in good condition. The distances to the reference marks were verified. The original description is inadequate for recovery. A complete new description follows:

The station is located about 5.5 mi. S of Ellsworth, on the E shore of Union River Bay, 1.3 mi. S-SE of Weymouth Point, and 0.5 mi. S of Mill Cove. It is on the property of Mr. Raleigh L. Ingalls, 45.0 ft. E of mean high-waterline, 0.7 ft. W of the W edge of a porch on the W and seaward side of Mr. Ingalls' house, and 0.2 ft. N of the N edge of steps leading up to the porch. The station mark is a standard disk, stamped "UNION 1934" set in ledge rock.

Reference mark 1 is N of the station, 50.0 ft. E of mean high-waterline, and 17.1 ft. NE of NW corner of the porch. It is marked by a standard disk, stamped "UNION NO 1 1934" set in ledge rock.

Reference mark 2 is W of the station, 30.0 ft. E of mean high-waterline, and 8.4 ft. S of a miniature lighthouse. It is marked by a standard disk, stamped "UNION NO 2 1934" set in ledge rock.

To reach the station from the post office in Ellsworth, go 5.5 mi. S along Maine State Highway 230 to a private gravel road leading W, turn W on this road and proceed 0.25 mi. to a white-shingled summerhouse and the station site.

RECOVERY NOTE, TRIANGULATION STATION

R

NAME OF STATION: UNION
ESTABLISHED BY: K.G.C. YEAR: 1934 STATE: Maine BENCH MARK(S) ALSO
RECOVERED BY: N.G.S. YEAR: 1956 COUNTY: Hancock
AIRLINE DISTANCE AND DIRECTION FROM NEAREST TOWN: 5.4 miles south of Ellsworth

Detailed statement as to the fitness of the original description; including marks found, stampings, changes made, and other pertinent facts:

Station and reference marks were recovered in good condition as described in 1956. Mr. Ingall's house is now called "Whitewash", and is so marked by a sign at the junction of State Highway 230 and Mr. Ingall's private gravel road.

Ingall's Light, the miniature lighthouse about 4 feet tall, in the garden in front of the house, was traversed to.

REPORT ON CONDITION OF SURVEY MARK

Budget Bureau No. 41-R1

Name or Designation: UNION Year Established: 1934
State: Maine County: Hancock Organization Established by: USCGS

Distance and direction from nearest town: 5.6 miles S of Ellsworth Federal Bldg

Description published in: (Line, book, or quadrangle number) Z-444

Mark searched for or recovered by: Name - Casey Dodge

Organization - Herrick & Salisbury Inc.

Date of report Oct. 1973 Address - Blue Hill, Maine 04614

Condition of marks: List letters and numbers found stamped in (not cast in) each mark.

Mark stamped:	Condition:
union 1934	good

Marks accessible? Yes No Property owner contacted? Yes No
Please report on the thoroughness of the search in case a mark was not recovered, suggested changes in description, need for repairing or moving the mark, or other pertinent facts:

A small cottage has been built 5 feet to east of mark. Mark is accessible.

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U.S. DEPARTMENT OF COMMERCE
 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
 NATIONAL OCEAN SURVEY • NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
 National Ocean Survey
 NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1133
 MAINE
 LATITUDE $44^{\circ}00'$ TO $44^{\circ}30'$
 LONGITUDE $68^{\circ}00'$ TO $68^{\circ}30'$
 DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

WEST PEAK (Hancock County, Maine, K.G.C., 1934)--On the highest point of the mountain known as Western Peak or Bernard Mountain which is the most westerly of the range of mountains on Mount Desert Island. At the time the station was established the land was in the process of being transferred from private to government ownership.

Station and reference marks are standard bronze disks wedged in drill holes in outcropping bedrock. The station mark is on the very highest point of the summit, on a flat bare ledge and about 125 feet N. of a small summer house built of native timber and chained to the rock.

Reference marks No.1 and No.2 are on the same bare ledge as the station, No.1 being S and No.2 WSW of the station.

To reach the station from the junction of Highways 198 and 102, go S on Highway 102 about $5\frac{1}{2}$ miles and take paved road right at sign "Great Pond Camp CGG." Zero speedometer here and proceed as follows: At 0.6 mile take right fork; at 1.0 take gravel road left at sign "Town Dump"; at 1.1 keep right fork at sign "Town Dump"; at 1.2 keep main left fork; at 1.7 stop at traffic circle. From here walk about 100 yards W on the road to a sign post with several signs marking the various trails. Follow the Gilly Trail to its junction with the Circular Trail; follow the Circular Trail to a sign "Middle Summit" and take the Trail left as indicated by this sign to the summit.

OBJECT	DISTANCE	DIRECTION
NASKEAG	meters	$0^{\circ}00'00''$
R.M.No.2	7.294	11 33 30
R.M.No.1	9.353	292 30 36

R.M.No.1 to No.2 10.710

Height of light above station mark - 7 meters.

Height of telescope above station mark - 6 meters.

WEST PEAK (Hancock County, Maine, K.G.C., 1934; I.R.R., 1956)

The station mark and reference marks 1 and 2 were recovered in good condition. The distances to the reference marks and between the reference marks were verified. The original description is adequate with the following additions:

The station mark is a standard disk, stamped "WEST PEAK 1934."

Reference mark 1 is a standard reference-mark disk, stamped "WEST PEAK 1934 NO 1."

Reference mark 2 is a standard reference-mark disk, stamped "WEST PEAK 1934 NO 2."

WEST PEAK

NAME OF STATION: WEST PEAK
 STATE: MAINE YEAR: 1934

SECOND ORDER

SOURCE: G- 6053

GEOGRAPHIC LATITUDE:	44°18'08.842	SIXTH	326	METERS
GEOGRAPHIC LONGITUDE:	68 22 21.992		FEET	

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	θ FOR Δ ANGLE*
ME E	1801	533,305.34	171,023.45	+ 0°05'20"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ FOR Δ ANGLE FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From ssdb)	PLANE AZIMUTH* (From ssdb)	CODE
NASKEAG	59 50 53.5	59 45 34	1801

SEP 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1134
MAINE
LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

NO ORIGINAL TEXT

WEST TRENTON UNION CHURCH (Hancock County, Maine, G.A.F., 1866; K.G.C., 1934)--According to local residents the church has remained unchanged for over 100 years. It has a small white sharp spire which is now obscured by high trees. It is about 240 meters SE of station WEST TRENTON.

WEST TRENTON UNION CHURCH (Hancock County, Maine, G.A.F., 1865; F.L.P., 1944).--Station recovered as described by K.G.C. in 1934. The spire is in good condition. According to local information, the spire has not been changed except for minor repairs since it was built.

(A.R.B., 1975)--Recovered as described

ADJUSTED HORIZONTAL CONTROL DATA

WEST TRENTON UNION CHURCH

NAME OF STATION: MAINE YEAR: 1865 ORDER: THIRD

SOURCE: G- 6793

GEOGRAPHIC LATITUDE:	44° 26' 13.696	ELEVATION:	METERS
GEOGRAPHIC LONGITUDE:	68° 24' 03.255	FEET	

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	θ ICRΔ DIANGLE*
ME E	1801	525,882.34	220,108.08	± 0° 04' 10"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ ICRΔ DI FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH (From south)	CODE
	0° 0' 0"	0° 0' 0"	

52 006

SEP 1977

U. S. DEPARTMENT OF COMMERCE
 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
 NATIONAL OCEAN SURVEY - NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
 National Ocean Survey
 NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1135
 MAINE LATITUDE 44° 00' TO 44° 30'
 LONGITUDE 68° 00' TO 68° 30'
 DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

WEST TRENTON (Hancock County, Maine, K.G.C., 1934) -- On summit of flat-topped hill about 1/2 mile NW of head of Goose Cove, about 0.2 mile NW of West Trenton Union Church and about 1 1/4 miles E of Union River Bay. Top of hill has been partly excavated for gravel and several piles of rubbish are in immediate vicinity. Station and both reference marks are in a fairly open area and about 100 yards SW of road running NW and SE from Goose Cove to Union River Bay. It is on property owned by George M. Hopkins who lives 0.3 mile SE of station.

Station and reference marks are standard bronze disks wedged in drill holes in outcropping bedrock.

To reach from Ellsworth, go S 8 1/2 miles on Highway 3 from junction of Main and High Streets and then right at sign "Oak Point." Follow 1.4 miles, turn right at Mr. Hopkins home, continue 0.3 mile (0.1 mile past church), turn left about 100 yards to station.

OBJECT	DISTANCE	DIRECTION
TRENTON POINT	meters	0° 00' 00"
R.M.No.1	14,690	186 32 47
R.M.No.2	13,502	242 01 45
R.M.No.1 to R.M.No.2	13,158	

Height of light above station mark - 13 meters.

Height of telescope above station mark - 12 meters.

WEST TRENTON (Hancock County, Maine, K.G.C., 1934; F.L.P., 1944) --

Station was not found. A thorough search was made of the vicinity, with the aid of a local resident who remembered the tower over the station in 1934, but does not recall seeing any of the bronze markers. The ground in the vicinity has had gravel hauled away from it, rubbish dumped on it, and is covered with a thick 10-foot deciduous brush. No ledge rock was found on the hill, only boulders and gravel. The station may still be there but if so, it is well covered up. The only reference (besides the disks that were not found) is a road about 100 yards to the W.

WEST TRENTON

NAME OF STATION: WEST TRENTON
 STATE: MAINE YEAR: 1934 SECOND
 -ORDER

SOURCE: G- 6053

GEOGRAPHIC LATITUDE:	44° 26' 17.065	EXPLANATION:	46 METERS
GEOGRAPHIC LONGITUDE:	68° 24' 13.680	FEET	

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	θ (CHΔ Δ) ANGLE *
ME E	1801	525,125.59	220,448.32	+ 0° 04' 03"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ (CHΔ Δ) FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH * (From south)	CODE
TRENTON POINT	247 34' 00".93	247 49' 58"	1801

SEP 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY • NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1136
MAINE
LATITUDE $44^{\circ}00'00''$ TO $44^{\circ}30'$
LONGITUDE $68^{\circ}00'00''$ TO $68^{\circ}30'$
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

WHEELER (Hancock County, Maine, F.P.W., 1860)--On the highest part of round Porcupine Island, located in Frenchmans Bay about 3/4 mile to the eastward of Bar Harbor. This island is also known as Wheelers Porcupine and Bald Porcupine.

The station is a hole drilled in a rock.

WHEELER (Hancock County, Maine, F.P.W., 1860; F.L.P., 1944)
-Station recovered in good condition. Station is located on the highest part of Bald Porcupine Island, on a large ledge rock outcrop that is about 3 feet above the surrounding area, and about 30 meters N of the top of the bluff on the S side of the island. There is an open space about 6 meters wide to the W, and also to the S to the edge of the bluff. Standing on the station, one can see Great Head Observatory. Mark is a triangular-shaped drill hole about 3/4 inch in diameter and about 1 inch deep. A pile of rocks was over the station and was put back.

WHEELER

NAME OF STATION:
STATE: MAINE

YEAR: 1860

THIRD

-ORDER

SOURCE: G- 6793

GEODETIC LATITUDE:	44° 23' 11.898	ELEVATION:	57	METERS
GEODETIC LONGITUDE:	68° 10' 52.554	SCALED		FEET

STATE COORDINATES (F.M.)				
STATE & ZONE	CODE	X	Y	$\delta \text{ IOR} \Delta \text{ BI ANGLE}^*$
ME E	1801	583,320.45	201,846.09	+ 0° 13' 23"

PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\delta \text{ IOR} \Delta \text{ BI}$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEODETIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE

51 433

SEP 1977

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1137
MAINE LATITUDE $44^{\circ}00'$ TO $44^{\circ}30'$
LONGITUDE $68^{\circ}00'$ TO $68^{\circ}30'$
DIAGRAM NL 19-11 BANGOR

NO ORIGINAL TEXT

WINTER HARBOR LIGHTHOUSE (Hancock County, Maine, 1861; K.G.C., 1934)--The center of the lighthouse on Mark Island at the entrance to Winter Harbor just E of the Schoodic Peninsula.

RECOVERY NOTE, TRIANGULATION STATION
INTERSECTION

NAME OF STATION: WINTER HARBOR LIGHTHOUSE
ESTABLISHED BY: F.P.W. YEAR: 1861 STATE: Maine BENCHMARK(S) ALSO
RECOVERED BY: N.O.S. YEAR: 1965 COUNTY: Hancock

AERLINE DISTANCE AND DIRECTION FROM NEAREST TOWN:

Detailed statement as to the fitness of the original description; including marks found, stampings, changes made, and other pertinent facts:

Recovered in good condition as described in 1934. The island was not visited, but observed upon from the mainland.

RECOVERY NOTE, TRIANGULATION STATION QUAD 440682
INTERSECTION

NAME OF STATION: WINTER HARBOR LIGHTHOUSE
ESTABLISHED BY: F.P.W. YEAR: 1861 STATE: Maine BENCHMARK(S) ALSO
RECOVERED BY: N.O.S. YEAR: 1968 COUNTY: Hancock

AERLINE DISTANCE AND DIRECTION FROM NEAREST TOWN: 2.2 miles south of Winter Harbor

Detailed statement as to the fitness of the original description; including marks found, stampings, changes made, and other pertinent facts:

Recovered in good condition as described in 1934. The light is no longer operative.

R

ADJUSTED HORIZONTAL CONTROL DATA

NAME OF STATION: WINTER HARBOR LH
STATE: MAINE YEAR: 1861 THIRD
-ORDER

SOURCE: G- 6793

GEOGRAPHIC LATITUDE: $44^{\circ}21'40.739$	ELEVATION: METERS
GEOGRAPHIC LONGITUDE: $68^{\circ}05'17.709$	FEET

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	$\theta_{10R\Delta}$ OR ANGLE*
ME E	1801	607,681.23	192,724.03	$+ 0^{\circ}17'16''$

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\theta_{10R\Delta}$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE
	0° 17' 16"	0° 17' 16"	

51 437

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JUL 1977

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

0 440682 STATION 1138
MAINE
LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

FORM 525
(2-18-57)U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTION OF TRIANGULATION STATION

QUAD 440682

NAME OF STATION: MT. CADILLAC GROUND STATE: Maine COUNTY: Hancock
STATION
CHIEF OF PARTY: N.G.S. YEAR: 1968 DESCRIBED BY: N.G.S.

NOTE: DESC	HEIGHT OF TELESCOPE ABOVE STATION MARK		METERS.		
	SURFACE STATION MARK, UNDERGROUND STATION MARK	DISTANCES AND DIRECTIONS TO AZIMUTH MARK, REFERENCE MARKS AND PROMINENT OBJECTS WHICH CAN BE SEEN FROM THE GROUND AT THE STATION			
	OBJECT	BEARING	DISTANCE FEET	METERS	DIRECTIONS
	BLUE HILL FIRE TOWER	NW		0 00 00.0	
	WINTER HARBOR LIGHTHOUSE 1861	E	157 24 18		
	EGG ROCK LIGHTHOUSE 1902	E	161 12 17		
	MT. DESERT 1856	SW	763.10	232.593	308 46 41

Located on the northeast side of the parking lot at the top of Mt. Cadillac, 2.5 miles south of Bar Harbor, in the Acadia National Park. Station was established by Carroll F. Merriam, as Mt. DESERT 1856 now requires a stand to see out.

Station is marked by an iron ringbolt, of 1-inch diameter rod, set in bedrock and bent over so it lies flat on the surface, with a punch mark in the shank which is the station. It is 134 feet northwest of the most northern of the binocular pedestals (coin operated), 24 feet east of a bronze plaque to Stephen Tyng Mather, and 12 feet east of the east edge of a blacktop footpath along the rock above and east of the parking lot. A paved road leads to the summit from Bar Harbor.

Detailed description

(CONTINUED)

ADJUSTED HORIZONTAL CONTROL DATA
ADJUSTMENT BY NGS

CADILLAC GROUND

DBS BY CFM

NAME OF STATION: MAINE

YEAR: 1968

SECOND

-ORDER

SOURCE: G-12512

GEOGRAPHIC LATITUDE:	44° 21' 08.72904
GEOGRAPHIC LONGITUDE:	68° 13' 28.82209

ELEVATION:	460
METERS	FEET

STATE COORDINATES (E/F)				
STATE & ZONE	CODE	X	Y	θ : ORΔ : φ : ANGLE *
ME E	1801	572,015.13	189,333.24	* 0° 11' 33"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ : ORΔ : φ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH (From south)	CODE
	0 °	0 °	

THESE DATA OBTAINED FROM ADJUSTMENT OF JUN 1977

WU 057

JUL 1977
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

CADILLAC GROUND (CONT.)

HORIZONTAL CONTROL DATA

by the
NATIONAL GEODETIC SURVEY
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1138
LATITUDE ° / TO ° /
LONGITUDE ° / TO ° /
DIAGRAM

FORM 525
19-18-591

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTION OF TRIANGULATION STATION

NAME OF STATION: CADILLAC GROUND STATE: Maine COUNTY: Hancock
CHIEF OF PARTY: L.F. Smith YEAR: 1970 DESCRIBED BY: R.P. Hanson

NOTE: HEIGHT OF TELESCOPE ABOVE STATION MARK 1.3 METERS, ¹		HEIGHT OF LIGHT ABOVE STATION MARK METERS.	
SURFACE-STATION MARK, UNDERGROUND-STATION MARK	DISTANCES AND DIRECTIONS TO AZIMUTH MARK, REFERENCE MARKS AND PROMINENT OBJECTS WHICH CAN BE SEEN FROM THE GROUND AT THE STATION	FEET	METERS
HAN (MSHC)			00 00 00.0
Hancock Union Church Spire	NNW		09 04 36.6
CRAB 1934	N		14 58 56.8
Martine Ridge AT&T Rly. Bn 1960	NNE		24 39 30.6
Schoodic Mtn. Fire Tower, 1934	NNE		31 15 57.0
Bar Harbor Gong. Church, spire	NNE		37 29 22.8
Navy Tank	ESE	114	42 52.0
Blue Hill L.O. Tower, 1956	WNW	304	35 04.6
Ellsworth water tank	NW	341	46 27.6
McPARLAND (MSHC)	NW	349	10 43.2
Tannery tank	NNW	356	55 19.8

Detailed description:

This station was established by Mr. C.F. Merriam of Prospect Harbor, to supplement station MT. DESERT 1856 which is badly obstructed by trees.

Station is located about 2-1/2 miles southwest of Bar Harbor, in Acadia Park, on an open, rocky point on the northeast shoulder of Cadillac Mountain, just south of the road loop at end of road at scenic observation point.

Station mark is a punch mark in a large, twisted iron rod that is secured in a drill hole in the bedrock. It is about 100 feet south up footpath from end of road loop, on high point of rock knob on left side of trail.

NOTE: Coordinates for this station may be obtained from the Maine State Highway Commission in Augusta, or from Mr. C.F. Merriam of Prospect Harbor.

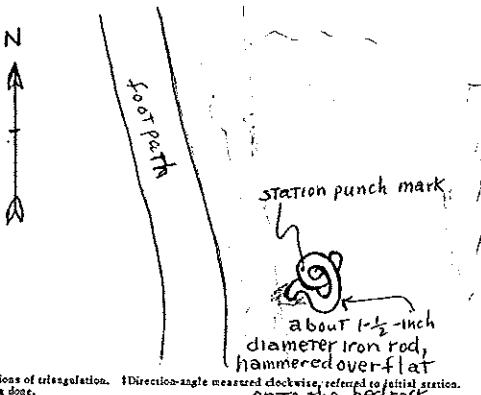
RECOVERY NOTE, TRIANGULATION STATION

NAME OF STATION: CADILLAC GROUND STATE: Maine BENCH MARK(S) ALSO
ESTABLISHED BY: C.F. Merriam YEAR: 1971 RECOVERED BY: L.F. Smith YEAR: 1971 COUNTY: Hancock
AERLINE DISTANCE AND DIRECTION FROM NEAREST TOWN: 2-1/2 miles SW of Bar Harbor

Detailed statement as to the fitness of the original description; including marks found, stampings, changes made, and other pertinent facts:

Station was recovered in good condition as described in 1970.

R



*Refers to notes in manuals of triangulation and state publications of triangulation. ¹Direction-angle measured clockwise, referred to initial station.

¹To nearest meter only, when no trigonometric leveling is being done.

JUL 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

440682 STATION 1139
MAINE LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

CROMER 2 (Hancock County, Maine, K.G.C., 1934)--On the eastern brow of Cromer Hill which lies on the western side of Gouldsboro Harbor about 2 1/2 miles due N of the town of Prospect Harbor.

Station and reference marks are standard bronze disks wedged in drill holes in outcropping bedrock.

The station is on a fairly flat ledge which drops off sharply to the E and S. It is 40 feet W of the E edge and 40 feet N of the S edge. Another prominent ledge with one lone pine tree on it is about 100 feet NNE.

Reference mark No.1 is 35 feet W of the E edge and 70 feet N of the S edge of the ledge. Reference mark No.2 is 2 feet W of the E edge and 28 feet N of the S edge of the ledge.

To reach from the junction of U.S. Highway 1 and the eastern branch of Highway 186, go S 3.2 miles on Highway 186 to the home of George Clark, log cottage on the W side of the road. A path leads N from his house to the station about 1/2 mile.

OBJECT	DISTANCE	DIRECTION
STEUBEN	meters	0°00'00"
R.M.No.2	11.720	67 52 55
R.M.No.1	7.250	322 46 57
R.M.No.1 to R.M.No.2	15.305	

CROMER 2 (Hancock County, Maine, K.G.C., 1934; Pa. Water & Power Co., 1941)--Found station marker and reference marks without difficulty, the tower and tripod are in excellent condition. Both were still firm and rigid and not touching each other. The signal appeared to be plumb and usable, although the flag on the top of a small pine lashed to the signal itself had blown away.

The tower is easily seen from what is locally known as the West Bay Road, Route 186, between Gouldsboro and Prospect Harbor, 2.9 miles from Gouldsboro, on a high outcropping ledge just W of the road; it was not hard to reach the top through the underbrush and over rocks. The station is on the S tip of this rocky ridge separated from the main part by a slight saddle. The E reference mark is a few feet from a precipitous drop.

In setting the marks the mossy growth on the rocks was apparently cleaned off and there is no immediate danger of this encroaching on the markers.

CROMER 2 (Hancock County, Maine, K.G.C., 1934; F.L.P., 1944) (Pre-
-Station and reference
marks recovered in good condition. Distances to reference marks
were measured and checked. Description is adequate, except that
"ledge drops off sharply to S" is misleading. The hill drops off
rapidly to E, but to S it slopes off gradually. The drop off of
the ledge to the S is local.

RECOVERY NOTE, TRIANGULATION STATION

NAME OF STATION: CROMER 2
ESTABLISHED BY: K.G.O. YEAR: 1934 STATE: Maine BENCH MARK(S) ALSO
RECOVERED BY: N.O.S. YEAR: 1965 COUNTY: Hancock

AERLNE DISTANCE AND DIRECTION FROM NEAREST TOWN:

2.2 miles, north of Prospect Harbor
Detailed statement as to the fitness of the original description, including marks found, sightings, changes made, and other pertinent facts:

Station and both RMs recovered in good condition as described in 1934, on land of Haycock.

To reach from the flagpole at the junction of State Highways 186 and 195 at Prospect Harbor Post Office, go north on 186 for 2.5 miles to a dirt road on the left, turn left and go 0.05 mile to just beyond the residence of Charles Haycock and end of truck travel. Pack northeast up the ledges to the top of the hill and the station.

(CONTINUED)

ADJUSTED HORIZONTAL CONTROL DATA
ADJUSTMENT BY NGS

CROMER 2

085 BY CGS

STATE: MAINE

YEAR: 1934

SECOND

-ORDER

SOURCE: G-06793

GEOGRAPHIC LATITUDE: GEOGRAPHIC LONGITUDE:	44°26'32.00300 68 01 15.95300	ELEVATION: SCALED	73 METERS FEET
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STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	BIGRADIANGLE
ME E	1801	625,071.15	222,312.14	+ 0°20'07"

PLANE AZIMUTH HAS BEEN COMPUTED BY THE BIGRADIANGLE FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEODETIC AZIMUTH (From south)	PLANE AZIMUTH * (From south)	CODE
PIGEON	262°10'40.6	261°50'33"	1801

THESE DATA ARE OBTAINED FROM ADJUSTMENT OF 1946

HO 059

JUL 1977
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

CROMER 2 (CONT.)

HORIZONTAL CONTROL DATA

by the
NATIONAL GEODETIC SURVEY
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1139
LATITUDE ° ' TO ° '
LONGITUDE ° ' TO ° '
DIAGRAM

RECOVERY NOTE, TRIANGULATION STATION R

NAME OF STATION: CROMER 2
ESTABLISHED BY: K.G.C. YEAR: 1934 STATE: Maine BENCH MARK ALSO
RECOVERED BY: L.F. Smith YEAR: 1970 COUNTY: Hancock
AIRLINE DISTANCE AND DIRECTION FROM NEAREST TOWN: 2-1/2 miles north of Prospect Harbor
HEIGHT OF TELESCOPE ABOVE STATION MARK 5 FEET. HEIGHT OF LIGHT ABOVE STATION MARK FEET.

DISTANCES AND DIRECTIONS TO AZIMUTH MARK, REFERENCE MARKS AND PROMINENT OBJECTS WHICH CAN BE SEEN FROM THE GROUND AT THE STATION				
OBJECT	BEARING	DISTANCE		DIRECTION
		FEET	METERS	
PIGEON 1855				00 00 00.0
R.M. No. 2	SE	38.455	11.721	40 21 27
Petit Manan Lighthouse, 1860	SE			41 28 27.5
Corea Church Spire, 1902	SE			59 59 46.7
R.M. No. 3	NW	(546.777)	166,658	243 42 31.6
R.M. No. 1	NNB	23.785	7,250	295 17 44

Station was recovered and all marks found in good condition. A new reference mark, No. 3, was established 546.777 feet northwest of station. A complete description follows:

Station is located on Mount Cromer, on a fairly open, rocky point at south end of the long hill.

To reach station from the post office at Prospect Harbor, go north on State Highway 186 for 2.6 miles; take gravelized side road left and go west 0.15 mile to top of rise and end of truck travel. Pack south along very gradual ridge line about 1000 feet to RM No. 3; continue along ridge line to station.

Station mark is standard disk stamped "CROMER 2 1934", cemented in a drill hole in a bedrock knob.

Reference mark number one is a standard disk stamped "CROMER 2 NO 1 1934", cemented in a drill hole in a bedrock ledge about 2 feet lower than station mark.

Reference mark number two is a standard disk stamped "CROMER 2 NO 2 1934", cemented in a drill hole in a bedrock ledge at southeast edge of hilltop.

Reference mark number three is a standard disk stamped "CROMER 2 1934 NO 3 1970", cemented in a drill hole in a bedrock ledge which is the first ledge along ridge between the gravelized road and station. It is 27 feet north of a large, lone pine tree.

JUL 1977

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

D 440682 STATION 1140
MAINE LATITUDE $44^{\circ}00'$ TO $44^{\circ}30'$
LONGITUDE $68^{\circ}00'$ TO $68^{\circ}30'$
DIAGRAM NL 19-11 BANGOR

FORM 525
(D-18-52)U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTION OF TRIANGULATION STATION

NAME OF STATION: CROMER 2 RM 3 STATE: Maine COUNTY: Hancock
CHIEF OF PARTY: L. F. Smith YEAR: 1970 DESCRIBED BY: R. F. Heinson

NOTE: HEIGHT OF TELESCOPE ABOVE STATION MARK 1.5 METERS; HEIGHT OF LIGHT ABOVE STATION MARK METERS.			
12B SURFACE-STATION MARK, UNDERGROUND-STATION MARK		DISTANCES AND DIRECTIONS TO AZIMUTH MARK, REFERENCE MARKS AND PROMINENT OBJECTS WHICH CAN BE SEEN FROM THE GROUND AT THE STATION	
OBJECT	BEARING	DISTANCE FEET	DIRECTION METERS
CROMER 2 1934	SE	546.777	166.658 00 00 00.0
Reference Hole 1	SE	22.845	6.963 12 30 47
West Bay Church, spire	NW		191 44 23.1
Reference Hole 2	NE	41.462	12.638 247 49 43

Station is located along the long, gradual, north slope of Mount Cromer, at a bedrock ledge, about 1000 feet south of a graveled road, 750 feet west of State Highway 186 and 500 feet north of highest point of Mount Cromer.

To reach station from the post office at Prospect Harbor, go north on State Highway 186 for 2.6 miles; take graveled side road left and go west 0.15 mile to top of rise and end of truck travel. Pack southerly along gradual ridge line for about 1000 feet to station.

Station mark is a standard Reference Mark disk, stamped "CROMER 2 1934 NO 3 1970", cemented in a drill hole in the top of a long bedrock ledge about 3 feet high on the north side, and is 27 feet north of a large, lone, pine tree.

Reference Hole 1 is a 3/4-inch drill hole, 3 inches deep, in a bedrock outcrop, about 1-1/2 feet higher than station mark.

Reference Hole 2 is a 3/4-inch drill hole, 3 inches deep, in a bedrock outcrop, about 2 feet lower than station mark.

NOTE: This station was located by traverse from CROMER 2 1934.

Detailed description:

ADJUSTED HORIZONTAL CONTROL DATA
ADJUSTMENT BY NGS

NAME OF STATION: CROMER 2 RM 3 OBS BY NGS
STATE: MAINE YEAR: 1970 ORDER:
SECOND

SOURCE: G-12512
NO OBSERVATION CHECK ON THIS POSITION

GEOGRAPHIC LATITUDE: $44^{\circ}26'36.4''$	ELEVATION: 72 METERS
GEOGRAPHIC LONGITUDE: $68^{\circ}01'20.17965$	FEET

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	θ ICRΔ DIANGLE
ME E	1801	624,761.89	222,762.98	$\pm 0^{\circ}20'04''$

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\theta = \text{ICRΔ} - \alpha$ FORMULA NEGLECTING THE SECOND TERM.

TOSTATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH * (From south)	CODE
CROMER 2	$325^{\circ}53'08.6$	$325^{\circ}33'04''$	1801

THESE DATA OBTAINED FROM ADJUSTMENT OF JUN 1977

HO 060

JUL 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

0 440682 STATION 1141
MAINE
LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

FORM 525
(G-18-50)U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTION OF TRIANGULATION STATION

NAME OF STATION: GERRISH STATE: Maine COUNTY: Hancock
CHIEF OF PARTY: N.C.S. YEAR: 1968 DESCRIBED BY: N.C.S.

NOTE: DSCO	HEIGHT OF TELESCOPE ABOVE STATION MARK		1.5 METERS, ¹ HEIGHT OF LIGHT ABOVE STATION MARK		METERS.
	SURFACE-STATION MARK, UNDERGROUND-STATION MARK	DISTANCES AND DIRECTIONS TO AZIMUTH MARK, REFERENCE MARKS AND PROMINENT OBJECTS WHICH CAN BE SEEN FROM THE GROUND AT THE STATION			
	OBJECT	BEARING	DISTANCE	DIRECTION	
			FEET	METERS	
11b	WINTER HARBOR STANDPIPE	E	0 00 00	"	
	RM 2	SE	28.55	8.704 36 03 01	
	SCHOODIC RM 3	SE		55 36 52	
11B	WINTER HARBOR LIGHTHOUSE	S	(Approx. 2.3 miles)	88 22 57	
	RM 1	NE	93.50	28.501 311 59 31	

Located in the town of Winter Harbor on the first (presently dirt) street west of Sargent Street, 0.4 mile east of the center of town, 0.25 mile east of the Post Office and 0.15 mile east of the junction of Main and Newman Streets.

Station mark is a punch mark in the top of a copper-coated rod driven to 1 inch below the surface of the dirt road, 145 feet south of the center of State Highway 186 and 6 feet west of the center of the dirt road.

RM 1 is a standard disk stamped GERRISH NO 1 1968, set in the top of a concrete cylinder that projects 2 inches. It is 1 foot south of the south end of, and in line with, a picket fence on the east property line of Mr. Gerrish's milk bar, 91 feet south of the center of State Highway 186, 81 feet east of the center of the dirt road and 23 feet east of the southeast corner of the small building housing the milk bar.

RM 2 is a standard disk stamped GERRISH NO 2 1968, set in the top of a concrete cylinder that projects 2 inches. It is 1 foot west of, and in line with, the wire fence at the south property line of the milk bar, 170 feet south of the center of 186 and 9 feet east of the center of the dirt road.

Detailed description:

ADJUSTED HORIZONTAL CONTROL DATA
ADJUSTMENT BY NGS

OBS BY CGS

SECOND
-ORDER

SOURCE: G-12512

GEODETIC LATITUDE: 68 04 53.39032	ELEVATION: SCALED	6 METERS FEET
--------------------------------------	----------------------	------------------

STATE COORDINATES (FRT)

STATE & ZONE	CODE	X	Y	F C.R.A. DIANGLE [*]
ME E	1801	609,384.89	205,060.91	+ 0° 17' 34"

^{*} PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\theta = \text{C.R.A.} - \Delta$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEODETIC AZIMUTH (From south)	PLANE AZIMUTH [*] (From south)	CODE
WINTER HARBOR STANDPIPE	279° 46' 16.8	279° 28' 43"	1801

THESE DATA OBTAINED FROM ADJUSTMENT OF JUN 1977

WD 063

JUL 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

NO TEXT

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

440682 STATION 1142
MAINE
LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA ADJUSTMENT BY NGS

GOULDSBORO CHURCH SPIRE DBS BY CGS
NAME OF STATION: STATE: MAINE
YEAR: 1965 THIRD
STATE: MAINE ORDER

SOURCE: G-12512

GEOGRAPHIC LATITUDE:	44° 28' 45.39897	ELEVATION:	METERS
GEOGRAPHIC LONGITUDE:	68° 02' 34.29910	FEET	

STATE COORDINATES (FRT)				
STATE & ZONE	CODE	X	Y	PLANE AZIMUTH *
ME E	1801	619,312.04	235,787.11	+ 0° 19' 13"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\theta = \tan^{-1}(\frac{dy}{dx})$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH * (From south)	CODE
	0° / * ° / *	0° / * ° / *	

THESE DATA OBTAINED FROM ADJUSTMENT OF JUN 1977

HO 064

JUL 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

NO TEXT

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

0 440682 STATION 1143
MAINE
LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA ADJUSTMENT BY NGS

INGALLS LIGHT

OBS BY CGS

NAME OF STATION:
STATE: MAINE YEAR: 1968

THIRD ORDER

SOURCE: G-12512

GEOGRAPHIC LATITUDE:	44° 27' 51.30792	ELEVATION:	2	METERS
GEOGRAPHIC LONGITUDE:	68° 25' 46.67337	SCALED		FEET

STATE COORDINATES (FMS)				
STATE & ZONE	CODE	X	Y	θ (GRΔ) OR ANGLE
ME E	1801	518,370.69	229,984.33	+ 0° 02' 57"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\theta = \text{GRΔ}$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From North)	PLANE AZIMUTH* (From South)	CODE

THESE DATA OBTAINED FROM ADJUSTMENT OF JUN 1977
POSITION DETERMINED BY TRAVERSE FROM STATION UNION
AND CHECKED BY ADDITIONAL OBSERVATIONS

NO 067

SEP 1977
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY • NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1144
MAINE
LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

NO TEXT

ADJUSTED HORIZONTAL CONTROL DATA

NAME OF STATION: SWAN ISLAND

STATE: MAINE YEAR: 1861 THIRD ORDER

SOURCE: G- 6793

GEOGRAPHIC LATITUDE:	44° 09' 44.69"	ELEVATION:	METERS
GEOGRAPHIC LONGITUDE:	68° 25' 22.10"		FEET

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	θ IGRΔ BIANGLE*
ME E	1801	520,256.26	119,959.54	+ 0° 03' 14"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ IGRΔ BI FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE
	0° 2' 0"	0° 2' 0"	

POSITION DETERMINED BY DATUM DIFFERENCES

52 191

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JUL 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

NO ORIGINAL TEXT

MOUNT DESERT (Hancock County, Maine, A.D.B., 1856; 1902)--On the highest elevation of Mount Desert Island, known as Mount Desert or Green Mount. It is a very commanding position and the view is unobstructed in all directions.

The station is on the summit and 22 1/4 inches E of the SE corner of a crevice in the rock. The station is a hole drilled in a rock. Also the following range drill holes were found 53.17 feet from station on line toward Peaked Mountain, 17.52 feet from the station on line to Blue Hill, and 21.83 feet from the station on line to Ragged Mountain.

MOUNT DESERT (Hancock County, Maine, A.D.B., 1856; Maine Geod.S., 1931)--The station is on the highest part of Cadillac Mountain (formerly called Green Mountain), in the Acadia National Park. A fine automobile road on the mountain was opened in October 1931, and this road passes some 500 feet to the N of the station, making it easy of access.

On July 18, 1931, I found a drill hole which appeared to be the station mark and which checked fairly well with the range holes. It was covered with several stones which had apparently once been a cairn. About 10 feet S of the hole the ledge was a few feet higher, being apparently the highest point on the island, and was marked by a cairn, under which I could find no hole or other mark. The cairn remains in place.

On Sept. 1, 1931, I cemented a standard C. & G.S. triangulation tablet in the hole, and set two standard reference marks in exposed ledges, the horizontal distances and azimuths from the station being about as follows: No. 1, 75.8 feet, 211°40'; No. 2 58.0 feet; 326°55'. These values are only approximate, because of unfavorable conditions for the measurements, and they should not be relied on to perhaps one or two tenths of a foot and two or three minutes of arc. I hope to have more accurate figures next year.

The view from the station is obstructed by trees from about S, through W, to about NNE; and partially cut off by a lower summit of the same mountain, to the eastward.

For additional details see my letter of Dec. 7, 1931.

MOUNT DESERT (Hancock County, Maine, A.D.B., 1856; Maine Geod.S., 1932)--When I re-marked this station in 1931 the only reference marks of which I had knowledge were the three holes mentioned in the printed description. Later I obtained a copy of a sketch in the original description of the station, which showed range holes on line to a number of other stations, and in 1932 I visited the station again to see if I could find any of these holes and thus get an additional check on my identification of the station point. I found 6 out of 8 of the nearer holes of the ranges and these checked in azimuth to within a few minutes of arc, which was as close as I could determine the directions with the miniature transit which I used, but the distances were all less than those given on the sketch. My measurements were as follows, the distances on the sketch being in parentheses, all being in feet and inches: ISLE AU HAUT 50-6 1/2 (50-11); TUNK 40-8 (41-1); BURKE not found; COOPER 86-6 (86-10); EAST BASE 112-3 (112-7); MITTEN MOUNT 68-7 (67-4); HOWARD 56-4 (57-2). The farther holes of these ranges were, according to the sketch, so far from the station that I did not look for them, except in the case of Mitten Mount, which I found and which was about right in azimuth, but I did not measure the distance because of intervening bushes. The discrepancies in distance are perhaps due to inaccuracies in the original measurements, or in mine, over rather rough ground, and to possible slight differences due to horizontal or slope distances.

The line to station TUNK, on the sketch, is marked with a name which looks like "Hink", but this is evidently an error, as there is no such station in the vicinity, and the direction is correct for TUNK.

(CONTINUED)

D 440682 STATION 1145
MAINE
LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA
ADJUSTMENT BY NGS

NAME OF STATION: MOUNT DESERT

OBS BY CGS

STATE: MAINE

YEAR: 1856

FIRST

-ORDER

G-01905
SOURCE:

GEOGRAPHIC LATITUDE: 68 13 37.54200	ELEVATION: 1519 FEET
--	-------------------------

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	θ ORΔ OR ANGLE'
ME E	1801	571,382.99	188,905.94	+ 0° 11' 27"

PLANE AZIMUTH HAS BEEN COMPUTED BY THE B(ORΔ) FORMULA NEGLECTING THE SECOND TERM.

TOSTATION OR OBJECT	GEOGRAPHIC AZIMUTH (FROM NORTH)	PLANE AZIMUTH (FROM NORTH)	CODE
BLUE HILL RM 3	107° 41' 56.0	107° 30' 29"	1801

THESE DATA ARE OBTAINED FROM ADJUSTMENT OF 1934

ASTRO OBSERVATIONS PERFORMED AT THIS STATION

WD 041

JUL 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

MOUNT DESERT (CONT.)

HORIZONTAL CO., ROL DATA

by the
NATIONAL GEODETIC SURVEY
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1145

LATITUDE ° ' TO ° '
LONGITUDE ° ' TO ° '
DIAGRAM

The holes on lines to RAGGED MOUNTAIN, BLUE HILL and PEAKED MOUNTAIN, which are mentioned in the printed description, are not shown on the sketch, but they checked fairly well, with the exception of the one said to be on the line to BLUE HILL, which was about 3° S of that line. This hole (a shallow one) is, however, on or close to the line to MOUNT BLUE, which is a station of the primary scheme, although I can find no record that the line was observed over, probably because of obstructions.

I feel that on the whole my identification of the station has been confirmed, but I hope that the next summer it will be possible to make some better determinations of the distances and azimuths of the range holes.

MOUNT DESERT (Hancock County, Maine, A.D.B., 1856; Maine Geod.S., 1933)--During the summer of 1933 I found 6 more of the range holes at this station, making with the 10 previously found, 16 in all. These include the 3 holes mentioned in the description (but not shown on the original sketch), and all but one of the 14 holes shown on the sketch in the original description. The one missing hole was probably destroyed by the breaking off of a piece of the ledge. (This was the nearer hole on the line to Burke).

In addition I found one hole which was similar to the others but which I could not identify as being on a line to any station. It was distant about 49.1 feet from the farther hole on the line to HOWARD, in a direction somewhat S of E.

Although these range holes may be of no importance, I have mentioned them because they furnish a convenient check on the identification of the station point, which I re-marked in 1931.

The cairn mentioned in my 1931 recovery note has been removed, doubtless by the Park authorities, and a wedge-shaped stone set in its place. The stone is about 12 feet, in a southerly direction, from the station tablet.

MOUNT DESERT (Hancock County, Maine, A.D.B., 1856; K.G.C., 1934)-- Station was recovered as described. It is now a standard bronze disk wedged in a drill hole in outcropping bedrock, with two reference marks, standard bronze disks in outcropping bedrock. It is on the flat ledge 13 feet N of the U.S.G.S. bench mark. The bench mark is on the highest point of the mountain. The mountain is now known as Cadillac mountain and is a part of Acadia National Park. The summit is easily reached by a paved road.

The station is about 100 yards SW of the parking circle at the end of this road. Drill holes on line to other stations were found as follows: ISLE AU HAUT 60.4 feet, RAGGED MOUNTAIN 21.7 feet, TUNK 40.4 feet, COOPER 86.5 feet, EAST BASE 112.3 feet, MITTEN MOUNT 66.6 feet, HOWARD 56.3 feet. These measurements are horizontal and are slightly less than the record distances given in the original description.

OBJECT	DISTANCE	DIRECTIONS
	meters	°' " 00' 00" 0
R.M.No.1	23.100	166 51 11
R.M.No.2	17.671	282 04 58
U.S.G.S. B.M.	4.000	310 13 29
R.M.No.1 to R.M.No.2	34.548	
R.M.No.2 to U.S.G.S.		
Bench Mark	14.270	

MOUNT DESERT (Hancock County, Maine, A.D.B., 1856; F.L.P., 1944)
-Station and reference mark 1 recovered in good condition as described by K.G.C. in 1934. No attempt was made to recover drill holes. Reference mark 2 has been covered approximately 4 feet deep by a roadway of stone with macadam surface.

Form 526
(11-8-55)

U.S. DEPARTMENT OF COMMERCE - COAST AND GEODETIC SURVEY
RECOVERY NOTE, TRIANGULATION STATION

NAME OF STATION: MOUNT DESERT
ESTABLISHED BY: A.D.B. YEAR: 1856 STATE: Maine
RECOVERED BY: H.R. Lippold YEAR: 1960 COUNTY: Hancock

Detailed statement as to the fitness of the original description; including marks found, stampings, changes made, and other pertinent facts:

The station was recovered as described and all marks found to be in good condition. The previous description is adequate with the following additions:

The station may be reached after arriving at the parking circle at the top of the mountain by going southerly on the paved driveway running on the east side of the gift shop to the end of pavement and the station about 100 feet further south.

1960 distances and directions were observed as follows:

OBJECT	BEARING	DISTANCE	DIRECTION
		feet	meters
BLUE HILL RM 3	N	75.80	23.100
Reference Mark No.1		104 02 18	
Reference Mark No.2		219 13 24	

RECOVERY NOTE, TRIANGULATION STATION

NAME OF STATION: MT DESERT
ESTABLISHED BY: A.D.B. YEAR: 1856 STATE: Maine BENCH MARK ALSO
RECOVERED BY: E.F. Smith YEAR: 1971 COUNTY: Hancock
AIRLINE DISTANCE AND DIRECTION FROM NEAREST TOWN: 2-1/2 miles SW of Bar Harbor
HEIGHT OF TELESCOPE ABOVE STATION MARK 5 FEET. HEIGHT OF LIGHT ABOVE STATION MARK FEET.

DISTANCES AND DIRECTIONS TO AZIMUTH MARK, REFERENCE MARKS AND PROMINENT OBJECTS WHICH CAN BE SEEN FROM THE GROUND AT THE STATION			
OBJECT	BEARING	DISTANCE	DIRECTION
		FEET	METERS
ZILCH 2			" "
CADILLAC GROUND	NE	762.833	232.512
		345 16 38.7	00 00 00.0

Station was recovered and all marks found in good condition. The distance and angles to the reference marks was not checked due to lack of time.

Station is located in Acadia National Park, on the summit of Cadillac Mountain, at the northwest end of the open, bedrock area, about 200 yards southwest of the parking area at end of park highway.

To reach station from the Acadia National Park Headquarters at base of the mountain, follow the park highway for 6.9 miles to summit, and end of highway at parking area. Walk southwest up gravelled roadway about 125 yards to station.

Station mark is a standard disk stamped "MT DESERT 1856", cemented in a drill hole in bedrock.

Reference mark number one is a standard disk stamped "MT DESERT RM 1 1856", cemented in a drill hole in bedrock, northeast from station on opposite side of brush patch, and about 4 feet lower than station.

Reference mark number two is a standard disk stamped "MT DESERT RM 2 1856", cemented in a drill hole in bedrock, southeast from station along hilltop, at about same elevation as station.

USGS BM is a standard USGS disk cemented in a drill hole in the highest bedrock formation on the hill, about 3 feet higher than station.

JUL 1977

U.S. DEPARTMENT OF COMMERCE
 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
 NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

NO TEXT

HORIZONTAL CONTROL DATA

by the
 National Ocean Survey
 NORTH AMERICAN 1927 DATUM

0 440682 STATION 1146
 MAINE
 LATITUDE 44° 00' TO 44° 30'
 LONGITUDE 68° 00' TO 68° 30'
 DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA
 ADJUSTMENT BY NGS

PROSPECT HARBOR METH CH

OBS BY CFM

STATE: MAINE

YEAR: 1964

THIRD

-ORDER

G-12512
 SOURCE: NO OBSERVATION CHECK ON THIS POSITION

GEOGRAPHIC LATITUDE: 44° 24' 26.37625	ELEVATION:	METERS
GEOGRAPHIC LONGITUDE: 68° 01' 39.85094		FEET

STATE COORDINATES (FCC)				
STATE & ZONE	CODE	X	Y	PLANE AZIMUTH*
ME E	1801	623,410.87	209,581.36	+ 0° 19' 50"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE PLANE AZIMUTH FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE
	0° 0' 0"	0° 0' 0"	

THESE DATA OBTAINED FROM ADJUSTMENT OF JUN 1977

WD 074

JUL 1977

U.S. DEPARTMENT OF COMMERCE
 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
 NATIONAL OCEAN SURVEY • NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
 National Ocean Survey
 NORTH AMERICAN 1927 DATUM

0 440682 STATION 1147
 MAINE
 LATITUDE 44° 00' TO 44° 30'
 LONGITUDE 68° 00' TO 68° 30'
 DIAGRAM NL 19-11 BANGOR

Form 525b
(11-6-65)

U.S. DEPARTMENT OF COMMERCE - COAST AND GEODETIC SURVEY QUAD 440682

DESCRIPTION OF TRIANGULATION INTERSECTION STATION

NAME OF STATION: PROSPECT HARBOR RADAR DOME

CHIEF OF PARTY: N.C.S. YEAR: 1968 STATE: Maine COUNTY: Hancock

Description, including sketch of object: The 50-foot steel tower with radar dome atop at the U.S. Navy installation at Prospect Harbor, about 150 yards north-northeast of the PROSPECT HARBOR LIGHTHOUSE 1902. This radar replaces the older one that was above the concrete building, positioned by the Hydrographic Office, and named ZILCH. The new one will probably be called ZILCH 2.

ADJUSTED HORIZONTAL CONTROL DATA
ADJUSTMENT BY NGS

NAME OF STATION:	PROSPECT HARBOR RADAR DOME	OBS BY CGS
STATE:	MAINE	YEAR: 1968
		SECOND ORDER

G-12512
SOURCE:

GEOGRAPHIC LATITUDE: 68 00 46.14734	ELEVATION: 79	24.2 METERS FEET
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STATE COORDINATES (FRT)				
STATE & ZONE	CODE	X	Y	θ CRΔ GI ANGLE ¹
ME E	1801	627,315.50	208,531.74	+ 0° 20' 27"

PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ CRΔ GI FORMULA NEGLECTING THE SECOND TERM.

TOSTATION OR OBJECT	GEOGRAPHIC AZIMUTH (From NGS12)	PLANE AZIMUTH ² (From NGS12)	CODE
SCHOODIC RM 3	28° 47' 55.1	28° 27' 28"	1801

THESE DATA OBTAINED FROM ADJUSTMENT OF JUN 1977

NO 075

JUL 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEOGRAPHIC SURVEY

NO ORIGINAL TEXT

SCHOODIC (Hancock County, Maine, F.P.W., 1860; 1903)--On the summit of Schoodic Mountain, which is located in the SE part of Schoodic Peninsula, about 3 1/2 miles S of the town of Winter Harbor.

The station is near the NE edge of the summit and is about 500 meters from the W shore of Schoodic Harbor. A good road from Winter Harbor leads directly to the summit. The station is marked by a drilled hole in a rock. In 1903 the top of the mountain was covered by a thick growth of trees and bushes.

SCHOODIC (Hancock County, Maine, F.P.W., 1860; Maine Geod.S., 1929)-- Extract from letter, dated September 26, 1929, of H.S. Shaw, Exeter, N.H., to Captain P.C. Whitney,

(July 31 and other dates). You will recall that we visited this point on Sept. 4, and failed to find the station mark, which I had looked for without success on several previous occasions. This is not to say that the mark has been destroyed, but if it still exists it is at least not likely to be recovered without more detailed information than we had.

SCHOODIC (Hancock County, Maine, F.P.W., 1860; Maine Geod.S., 1931)-- The station is in the Acadia National Park, on what was until recently known as Schoodic Mountain, but which is now called Schoodic Head by the Park authorities, probably to distinguish it from another Schoodic Mountain some 16 miles to the N. A car may be driven to within about 6 minutes walk of the station, which is on an exposed ledge at the highest point of the mountain.

On June 30, 1931, I found what was evidently the drill hole which marked the station, but it was filled with dirt, which was the reason I had failed to find it on visits to the mountain during the previous two years.

On August 18, 1931, I cemented a standard State Survey tablet in the hole and set two standard reference tablets in exposed ledge, the horizontal distances and the azimuths of the reference marks from the station being as follows: No. 1, 26.35 feet, 43°15'; No. 2, 65.62 feet, 332°15'. No. 1 is about 2.2 feet and No. 2 about 2.0 feet lower than the station mark.

There is a good view from the station, except toward the W where it is somewhat obscured by small trees, but lines could easily be opened.

SCHOODIC (Hancock County, Maine, F.P.W., 1860; K.G.C., 1934)-- On the summit of Schoodic Mountain which lies about 4 miles S of the town of Winter Harbor. The mountain is in the Acadia National Park and is now known as Schoodic Head.

The station was re-marked in 1931 by H.S. Shaw, and two reference marks were established at that time. All three were recovered in good condition.

To reach the station from Winter Harbor, go E on Highway 186, 0.6 mile and then turn right on the gravel road. Follow 3.8 miles and turn left at sign "Mountain Road." Continue 1 mile to parking circle on top. Continue E on path to the summit and station about 200 meters distant.

A 20-foot tripod and scaffold was erected over the station.

OBJECT	DISTANCE	DIRECTION
ASH	meters	0°00'00"0
R.M.No.2	16.962	180 45 20
R.M.No.1	8.028	251 45 53
R.M.No.1 to R.M.No.2	16.240	

NOTE: From letter; Mr. Carroll F. Merriam, Pennsylvania Water & Power Company, Baltimore, Md., dated August 20, 1940.
"On my vacation I visited Schoodic in Acadia National Park and found the marker without difficulty but not having the station description I did not find any reference marks."

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

0 440682 STATION 1148
MAINE LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA
ADJUSTMENT BY NGS

NAME OF STATION: SCHOODIC DBS BY CGS
STATE: MAINE YEAR: 1860 SECOND -ORDER

SOURCE: G-06053

GEOGRAPHIC LATITUDE: 44° 21' 02.33000	ELEVATION: 134 METERS GEOGRAPHIC LONGITUDE: 68° 03' 12.62200
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STATE COORDINATES (Fwd)				
STATE & ZONE	CODE	X	Y	SIGNIFICANT ANGLE [*]
ME E	1801	616,789.39	188,882.45	+ 0°18'44"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE BICKLEY FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH [*] (From south)	CODE
PETIT MANAN LIGHTHOUSE	262° 51' 45.2	262° 33' 02"	1801

THESE DATA ARE OBTAINED FROM ADJUSTMENT OF 1944

HO 077

(Continued on next page)

SEP 1977
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

HORIZONTAL CONTROL DATA

SCHOODIC (Continued)
RECOVERY NOTE, TRIANGULATION STATION

by the
NATIONAL GEODETIC SURVEY
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1148

LATITUDE ° ' " TO ° ' "
LONGITUDE ° ' " TO ° ' "
DIAGRAM

R

NAME OF STATION: SCHOODIC YEAR: 1860 STATE: Maine BENCHMARK(S) ALSO
ESTABLISHED BY: F.P.W. RECOVERED BY: N.C.S.

YEAR: 1965 COUNTY: Hancock

AIRLINE DISTANCE AND DIRECTION FROM NEAREST TOWN:
About 3 miles southeast of Winter Harbor and 2.5 southwest of Birch Harbor

Detailed statement as to the fitness of the original description; including marks found, stampings, charges made, and other pertinent facts:
The station mark, RM's 1 and 2 were found in good condition. As visibility from the ground is very limited by new growth of trees, RM 3 was established 230.9 feet south, on an open point.

RM 3 is a standard disk stamped SCHOODIC NO 3 1860, set in a drill hole in bedrock(note 12a). This mark is not intervisible with the station from the ground. Angle was turned from the reference mark to a target 7 feet above the station by tying branches of evergreens back, cutting not being permissible in Acadia National Park. See description of SCHOODIC 1860 RM 3.

RECOVERY NOTE, TRIANGULATION STATION

R

NAME OF STATION: SCHOODIC YEAR: 1860 STATE: Maine BENCHMARK(S) ALSO
ESTABLISHED BY: F.P.W. RECOVERED BY: N.C.S.

YEAR: 1968 COUNTY: Hancock

AIRLINE DISTANCE AND DIRECTION FROM NEAREST TOWN: 3.3 miles southeast of Winter Harbor

Detailed statement as to the fitness of the original description; including marks found, stampings, charges made, and other pertinent facts:
Station mark and RM's 1,2 and 3 were recovered in good condition, as described in 1965. Because of the growth of trees at the station, RM 3 was used as a station mark.

RECOVERY NOTE, TRIANGULATION STATION

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NAME OF STATION: SCHOODIC YEAR: 1860 STATE: Maine BENCHMARK ALSO
ESTABLISHED BY: F.P.W. RECOVERED BY: L.F. Smith YEAR: 1971 COUNTY: Hancock
AIRCRAFT DISTANCE AND DIRECTION FROM NEAREST TOWN: 3-1/2 miles S of Winter Harbor
HEIGHT OF TELESCOPE ABOVE STATION MARK 5 FEET. HEIGHT OF LIGHT ABOVE STATION MARK FEET.

DISTANCES AND DIRECTIONS TO AZIMUTH MARK, REFERENCE MARKS AND PROMINENT OBJECTS WHICH CAN BE SEEN FROM THE GROUND AT THE STATION				
OBJECT	BEARING	DISTANCE		DIRECTION
		FEET	METERS	
Petit Manan Lighthouse, 1860				00 00 00.0
R.M. No. 2	SE	55.655	16.963	69 23 27
R.M. No. 1	SW	26.340	8.029	140 24 36
R.M. No. 3	N (230.271)	70.187	277 40 33.2	
Gouldsboro Church Spire	NNE			280 31 42.7
Birch Harbor, Short white Church Spire, 1934 (NNE)		289	26	43.7

Station was recovered and all marks found in good condition.
Distances to RM 1 and RM 2 checked very closely with old distances.
A complete description follows:

Station is located on summit of Schoodic Head, on a small, open, bedrock area surrounded by pine trees, which block view in all areas except very limited view to northward.

To reach station from the post office in Birch Harbor, go west on State Route 186 for 1.9 miles; take T-road left and follow Moore Rd. south for 1.35 miles; enter Acadia Park and continue for 2.35 miles to gravel side road left. Go left for 0.25 mile; take left fork and go 1.0 mile to end of road. Walk northeast on dim trail along pine-covered hilltop about 150 yards to station.

Station mark is a standard disk stamped "SCHOODIC 1860", cemented in a drill hole in bedrock on highest point.

Reference mark number one is a standard disk stamped "NO 1", cemented in a drill hole in bedrock flush with ground, 2 feet lower than station.

Reference mark number two is a standard disk stamped "NO 2", cemented in a drill hole in a bedrock ledge projecting 6 inches above ground, and 3 feet lower than station mark.

Reference mark number three is a standard disk stamped "SCHOODIC NO 3 1860", cemented in a drill hole in bedrock, down on a bare, open, rock point, 21.97 feet lower than station mark.

JUL 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

0 440682 STATION 1149
MAINE
LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

FORM 525
(2-19-72)U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTION OF TRIANGULATION STATION

NAME OF STATION: SOHOODIC RM 3 STATE: Maine COUNTY: Hancock

CHIEF OF PARTY: N.O.S. YEAR: 1965 DESCRIBED BY: N.O.S.

NOTE *	HEIGHT OF TELESCOPE ABOVE STATION MARK		1.5 METERS, HEIGHT OF LIGHT ABOVE STATION MARK		METERS.
	SURFACE-STATION MARK, UNDERGROUND-STATION MARK	DISTANCES AND DIRECTIONS TO AZIMUTH MARK, REFERENCE MARKS AND PROMINENT OBJECTS WHICH CAN BE SEEN FROM THE GROUND AT THE STATION	OBJECT	BEARING	
				FETT	METERS
2 None	PETIT MANAN LIGHTHOUSE 1860 SOHOODIC 1860 WINTER HARBOR LIGHTHOUSE 1861 WINTER HARBOR WATER CO. STANDPIPE	N	229.87 (70.065)	0 00 00.0 97 24 36.0 208 48 44.5 264 01 44.2	

A standard reference disk stamped SOHOODIC NO 3 1860, set in a drill hole in exposed bedrock, on the southern extremity of a shoulder of Schoodic Head in Acadia National Park, situated on the Schoodic Peninsula. This spot gives clear view from northeast to west, and was established because of heavy growth surrounding the station mark.

To reach the station from SOHOODIC 1860, pack southward to the tip of the shoulder and the station.

SCHOODIC RM 3

This RM was established by someone from the Coast and Geodetic Survey for Mr. C.F. Merriam about 1965, by traverse from station SCHOODIC 1860. I can't find anything on it in the published data. I occupied it to prove that Sullivan's House Chimney No. 1 1860 is actually the East Sullivan Union Church Cupola, and also to make a check on the rebuilt church in Bar Harbor (Bar Harbor Cong. Church Spire).

(CONTINUED)

ADJUSTED HORIZONTAL CONTROL DATA
ADJUSTMENT BY NGS

NAME OF STATION: SCHOODIC RM 3

OBS BY CGS

STATE: MAINE

YEAR: 1965

SECOND

-ORDER

SOURCE: G-10967

GEOGRAPHIC LATITUDE: 68 03 12.59222	ELEVATION: SCALED	134	METERS FEET
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STATE COORDINATES (F/F)

STATE & ZONE	CODE	X	Y	θ ORG. ANGLE *
ME E	1801	616,790.29	189,112.70	+ 0° 18' 44"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE S-GRAD CI FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From scale)	PLANE AZIMUTH * (From scale)	CODE
PETIT MANAN LIGHTHOUSE	263° 07' 28.3	262° 48' 45"	1801

THESE DATA ARE OBTAINED FROM ADJUSTMENT OF 1965

HO 078

HORIZONTAL CONTROL DATA

by the
NATIONAL GEODETIC SURVEY
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1149
LATITUDE ° / TO ° /
LONGITUDE ° / TO ° /
DIAGRAM

SCHOODIC RM 3 (CONT.)

RECOVERY NOTE, TRIANGULATION STATION R

NAME OF STATION: SCHOODIC RM 3
ESTABLISHED BY: L.F. Smith YEAR: 1970 STATE: Maine BENCH MARK ALSO
RECOVERED BY: L.F. Smith YEAR: 1970 COUNTY: Hancock
AIRLINE DISTANCE AND DIRECTION FROM NEAREST TOWN: 3 miles SSE of Winter Harbor
HEIGHT OF TELESCOPE ABOVE STATION MARK 5 FEET. HEIGHT OF LIGHT ABOVE STATION MARK FEET.

DISTANCES AND DIRECTIONS TO AZIMUTH MARK, REFERENCE MARKS AND PROMINENT OBJECTS WHICH CAN BE SEEN FROM THE GROUND AT THE STATION				
OBJECT	BEARING	DISTANCE		DIRECTION
		FEET	METERS	
Schoodic Mtn. Fire Tower, 1934				00 00 00.0
ZILCH 2	NNE	45	35	50.6
Bar Harbor Cong. Church Spire	WNW	304	59	29.4
Sullivan's House Chimney No. 1, 1860 (East Sullivan Union Church Cupola)	NW	350	04	02.2

Station is located down the north slope of Schoodic Head, a rocky, timbered mountain, 230 feet due north from station SCHOODIC 1860, which is on the highest point of the hill.

To reach station from the main intersection in Winter Harbor, go east on State Highway 186 for 0.5 mile; take side road right and follow macadam road south along west side of Schoodic Peninsula for 4.0 miles to fork. Take left fork, a gravelled road, through a pipe gate, and go 0.2 mile to fork. Take left fork and go 0.9 mile to end of truck travel just west of summit of hill. Pack north on dim trail up along ridge for about 150 yards to SCHOODIC 1860. Continue north, down slope, for 230 feet to station.

Station mark is a standard reference mark disk stamped "SCHOODIC NO 3 1860", cemented in a drill hole in bedrock. A 6-inch-square post about 4 feet high, painted white, is centered over the mark.

FORM 525
(8-18-58)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

RECOVERY DESCRIPTION OF TRIANGULATION STATION

NAME OF STATION: SCHOODIC RM 3 STATE: Maine COUNTY: Hancock
CHIEF OF PARTY: L.F. Smith YEAR: 1971 DESCRIBED BY: R.P. Hanson

NOTE:	HEIGHT OF TELESCOPE ABOVE STATION MARK 1.5 METERS, HEIGHT OF LIGHT ABOVE STATION MARK		METERS.
	SURFACE-STATION MARK,	UNDERGROUND-STATION MARK	
128	DISTANCES AND DIRECTIONS TO AZIMUTH MARK, REFERENCE MARKS AND PROMINENT OBJECTS WHICH CAN BE SEEN FROM THE GROUND AT THE STATION		
	OBJECT	BEARING	DISTANCE
		FEET	METERS
2	Petit Manan Lighthouse, 1860		00 00 00.0
	SCHOODIC 1860	S (230.271)	70.187
	Gouldsboro Church Spire	N	97 24 50.1
	Birch Harbor, Short, White Church Spire, 1860		280 16 50.6
		NNE	289 22 17.1

Station was established by traverse from SCHOODIC 1860. Located on an open, rocky point downslope to north from SCHOODIC, and 21.97 feet lower than SCHOODIC.

To reach station from the post office at Birch Harbor, go west on State Route 186 for 1.9 miles; take T-road left and follow Moore Rd. south for 1.35 miles; enter Acadia Park and continue for 2.35 miles to gravel road left. Go left on the gravel road for 0.25 mile; take left fork and go 1.0 mile to end of road. Pack northeast along pine-covered ridge top for about 150 yards to SCHOODIC 1860; continue north, down slope, for 230 feet to station.

Station mark is a reference mark disk, stamped "SCHOODIC NO 3 1860", cemented in a drill hole in small bedrock knob.

Detailed description

JUL 1977
 U.S. DEPARTMENT OF COMMERCE
 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
 NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
 National Ocean Survey
 NORTH AMERICAN 1927 DATUM

Q 440582 STATION 1150
 MAINE
 LATITUDE 44° 00' TO 44° 30'
 LONGITUDE 68° 00' TO 68° 30'
 DIAGRAM NL 19-11 BANGOR

Form 523b
 (11-8-55)

U.S. DEPARTMENT OF COMMERCE - COAST AND GEODETIC SURVEY

DESCRIPTION OF TRIANGULATION INTERSECTION STATION

NAME OF STATION: SURRY, Rad Sta WDEA, NE Mast

CHIEF OF PARTY: N.C.S. YEAR: 1968 STATE: Maine COUNTY: Hancock

Description, including sketch of object:

The northeast one of the two radio masts on the west shore of Union River Bay, 2 miles south of Patten Bay and 2.9 miles southeast of Surry. The masts are 445 feet tall, guyed, 279 feet apart, painted in alternate bands of red and white, and a raised wooden walkway runs between them at ground level. The northeast mast is about 280 feet east of the road and close to the shoreline. The point observed was the red light on the top.

ADJUSTED HORIZONTAL CONTROL DATA ADJUSTMENT BY NGS

NAME OF STATION:	SURRY RAD STA WDEA NE MAST	OBS BY CGS
STATE:	MAINE	YEAR: 1968
		THIRD ORDER

SOURCE: G-12512

GEOGRAPHIC LATITUDE: 44° 28' 00.52380	ELEVATION:	METERS
GEOGRAPHIC LONGITUDE: 68° 28' 09.85210		FEET

STATE COORDINATES (FATH)				
STATE & ZONE	CODE	X	Y	PLANE AZIMUTH *
ME E	1801	507,987.33	230,911.11	+ 0° 01' 17"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\theta = \text{atan}(\frac{dy}{dx})$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH (From south)	CODE

THESE DATA OBTAINED FROM ADJUSTMENT OF JUN 1977

NO 080

JUL 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

0 440682 STATION 1151
MAINE
LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

Form 525b
(11-8-53)

U.S. DEPARTMENT OF COMMERCE - COAST AND GEODETIC SURVEY

DESCRIPTION OF TRIANGULATION INTERSECTION STATION

NAME OF STATION: SURRY, Rad Sta WDEA, SW Mast

CHIEF OF PARTY: N.G.S. YEAR: 1968 STATE: Maine COUNTY: Hancock

Description, including sketch of object:

The southwest one of the two radio masts on the west shore of Union River Bay, 2 miles south of Patten Bay and 2.9 miles southeast of Surry. The masts are 445 feet tall, guyed, 279 feet apart, painted in alternate bands of red and white, and a raised wooden walkway runs between them at ground level. The southwest mast is about 30 feet east of the road with an electronics building just south of it. Point observed was the red light on the top.

ADJUSTED HORIZONTAL CONTROL DATA
ADJUSTMENT BY NGS

NAME OF STATION: SURRY RAD STA WDEA SW MAST OBS BY CGS
STATE: MAINE YEAR: 1968 THIRD ORDER

G-12512
SOURCE:

GEOGRAPHIC LATITUDE:	44° 27' 58.94417	ELEVATION:	METERS
GEOGRAPHIC LONGITUDE:	68° 28' 13.00639		FEET

STATE COORDINATES (XX)				
STATE & ZONE	CODE	X	Y	θ C.R.A. IN ANGLE*
ME E	1801	507,758.66	230,751.07	+ 0° 01' 15"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ C.R.A. OR FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From NGS)	PLANE AZIMUTH (From NGS)	CODE

THESE DATA OBTAINED FROM ADJUSTMENT OF JUN 1977

WD 081

JUL 1977

U.S. DEPARTMENT OF COMMERCE
 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
 NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
 National Ocean Survey
 NORTH AMERICAN 1927 DATUM

D 440682 STATION 1152
 MAINE
 LATITUDE $44^{\circ}00'$ TO $44^{\circ}30'$
 LONGITUDE $68^{\circ}00'$ TO $68^{\circ}30'$
 DIAGRAM NL 19-11 BANGOR

Form 525b
(11-8-53)

U.S. DEPARTMENT OF COMMERCE - COAST AND GEODETIC SURVEY

DESCRIPTION OF TRIANGULATION INTERSECTION STATION

NAME OF STATION: WINTER HARBOR STANDPIPE

CHIEF OF PARTY: N.C.S. YEAR: 1968 STATE: Maine COUNTY: Hancock

Description, including sketch of object: Located 0.9 mile east of the junction of Main and Newman Streets (where State Highway 186 turns north) in Winter Harbor, above the west end of Birch Harbor Pond and 150 feet south of the center of Highway 186.

A steel standpipe, painted white, 100 feet tall and 25 feet in diameter, with rounded roof and a vent in the center, which was the point observed.

To reach from the Post Office in Winter Harbor, go east on Main Street and State Highway 186 for 1.0 mile to the standpipe on the right.

ADJUSTED HORIZONTAL CONTROL DATA
ADJUSTMENT BY NGS

NAME OF STATION: WINTER HARBOR STANDPIPE

OBS BY CGS

STATE: MAINE

YEAR: 1965

THIRD

-ORDER

SOURCE: G-12512

GEOGRAPHIC LATITUDE:	44°23'35.98228	ELEVATION:	METERS
GEOGRAPHIC LONGITUDE:	68°04'00.73457	FEET	

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	δ ICRΔ GIANGLE*
ME E	1801	613,211.35	204,422.05	+ 0°18'11"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE δ ICRΔ GI FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From South)	PLANE AZIMUTH* (From South)	CODE

THESE DATA OBTAINED FROM ADJUSTMENT OF JUN 1977

HO 088

SEP 1977

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1153
MAINE
LATITUDE $44^{\circ}00'$ TO $44^{\circ}30'$
LONGITUDE $68^{\circ}00'$ TO $68^{\circ}30'$
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

CROMER (Hancock County, Maine, F.P.W., 1861)--On a high hill known as Mount Cromer about 2 1/2 miles to the southward and eastward of Gouldsboro. It is about 1/2 mile W of Grand Marsh Bay, a branch of Gouldsboro Harbor. The road from Gouldsboro to Prospect Harbor passes along the E foot of the hill.

The station is marked by a hole drilled in a rock.

CROMER (Hancock County, Maine, F.P.W., 1861; Maine Geod.S., 1929)-- Station mark not found. The summit consists of ledges, partly bare and partly covered with low-growing vegetation, much like SCHOODIC. The view towards the N and W is largely obscured by trees.

CROMER (Hancock County, Maine, F.P.W., 1861; Maine Geod.S., 1930)-- This station was unsuccessfully searched for in the summer of 1929, but on August 28, 1930 I found a pile of stones partly hidden under the low-spreading branches of a spruce tree on a ledge at the highest point of the hill. This probably marked the location of the station, but the drill hole could not be found. The ledge at this point was much weathered and was covered for the most part with gravel and spruce needles. I think that the drill hole probably no longer exists, because of disintegration of the rock.

CROMER (Hancock County, Maine, F.P.W., 1861; K.G.C., 1934)--The station is lost. The ledge on which the station was evidently situated is badly broken up by the roots of trees and it does not seem possible that the drill hole which marked the station can still be in existence.

CROMER (Hancock County, Maine, F.P.W., 1861; F.L.P., 1944).
Station reported lost by both Maine Geodetic Survey and K.G.C. in 1934. As a well marked station, Cromer 2, 1934, is in immediate vicinity, and no extensive search was made for it.

NAME OF STATION: CROMER

STATE: MAINE

YEAR: 1861

THIRD

—ORDER

G- 6793
SOURCE:

GEOGRAPHIC LATITUDE: 44°26'32.68 68°01'17.03	SCALED: 73 METERS FEET
--	------------------------------

STATE COORDINATES (Feet)

STATE & ZONE	CODE	X	Y	θ DRA. ANGLE*
ME E	1801	624,992.62	222,380.23	+ 0°20'06"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\theta = \text{COT}^{-1}(\frac{y}{x})$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEODETIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE
	0° 7'	0° 7'	

POSITION DETERMINED BY DATUM DIFFERENCES

51 505

SEP 1977

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682
MAINE

STATION 1154
LATITUDE $44^{\circ}00'$ TO $44^{\circ}30'$
LONGITUDE $68^{\circ}00'$ TO $68^{\circ}30'$
DIAGRAM NL 19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

NO TEXT

CRABTREE

NAME OF STATION:

STATE: MAINE

YEAR: 1865

THIRD

-ORDER

G- 6793

SOURCE:

GEOGRAPHIC LATITUDE:	44° 28' 01.60	ELEVATION:	METERS
GEOGRAPHIC LONGITUDE:	68° 13' 44.64	FEET	

STATE COORDINATES (Eft)				
STATE & ZONE	CODE	X	Y	θ (CRΔ φ) ANGLE *
ME E	1801	570,727.53	231,135.73	+ 0° 11' 23"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ (CRΔ φ) FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From sszb)	PLANE AZIMUTH * (From sszb)	CODE
	0 / /	0 / /	

POSITION DETERMINED BY DATUM DIFFERENCES

52 015

$$\left(\begin{array}{cc} -\omega_1 & \omega_2 \\ \omega_3 & \omega_4 \end{array}\right)$$

$$C_{\alpha\beta}$$

$$C_{\alpha\beta}$$

$$C_{\alpha\beta}$$

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JAN 1978

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1155
LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11

DESCRIPTION TRIANGULATION STATION

NAME OF STATION: Bench Mark W 69
ESTABLISHED BY: G.F.Kerrigan YEAR: 1965 STATE: Maine BENCHMARK(S) ALSO
RECOVERED BY: N.G.S. YEAR: 1965 COUNTY: Hancock

AIRLINE DISTANCE AND DIRECTION FROM NEAREST TOWN:
At Prospect Harbor, Maine

Detailed statement as to the fitness of the original description, including marks found, stumppings, changes made, and other pertinent facts:

(A bench mark used for local horizontal control.)

Station mark is a standard bench mark disk stamped W 69 1935, set in a drill hole in exposed bedrock that projects 1 foot. It is between the present fire station (formerly school), and Prospect Harbor Methodist Church, on church property, 47 feet west of the center of State Highway 186.

RK 1 is a standard disk stamped W 69 KO 1 1965, set in a drill hole in bedrock outcrop (note 12a) that projects about 1 foot. It is west of the road at the right-of-way line and 31 feet southwest of transmission pole No. 124/52.

OBJECT	BEARING	DISTANCE	DIRECTION
RAY 1950	SW	344.68 ft.	0 00 00
PROSPECT HARBOR TALL CHURCH SPIRE 1934	SW	180	(Approx.) 10 29
PROSPECT HARBOR METHODIST CHURCH SPIRE	N	300	167 51
RK 1	NE	35.24	211 11
RAY 1950 RK 1	S	300	355 25

FORM C&G-526 (1-65)
USCIO-GDC 1010-P65

By [Signature]
U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

ADJUSTED HORIZONTAL CONTROL DATA

NAME OF STATION BENCH MARK W 69

STATE: MAINE YEAR: 1965

SECOND ORDER

SOURCE: G-12512

GEOGRAPHIC LATITUDE:	44° 24' 24.70474	ELEVATION	20 METERS
GEOGRAPHIC LONGITUDE:	68° 01' 39.56025	SCALED	FEET

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	θ CORDI ANGLE*
ME E	1801	623,432.94	209,412.23	+ 0 19 50

* FLANE AZIMUTH HAS BEEN COMPUTED BY THE BIDMAS FORMULA NEGLECTING THE SECOND TERM.

TOSTATION OR OBJECT	GEOGRAPHIC AZIMUTH (From back)	FLANE AZIMUTH* (From back)	CODE

THESE DATA OBTAINED FROM ADJUSTMENT OF APR 1977

WO- 055

JAN 1978

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1156

LATITUDE 44° 00' TO 44° 30'
LONGITUDE 68° 00' TO 68° 30'
DIAGRAM NL 19-11 BANGOR

DESCRIPTION TRIANGULATION STATION

NAME OF STATION: RAY
ESTABLISHED BY: C. F. Merriam YEAR: 1950 STATE: Maine BENCH MARK(S) ALSO X
RECOVERED BY: N.J.S. YEAR: 1965 COUNTY: Hancock

AERLINE DISTANCE AND DIRECTION FROM NEAREST TOWN: At Prospect Harbor.

Detailed statement as to the fitness of the original description; including marks found, stampings, changes made, and other pertinent facts:

Station mark is a standard disk stamped RAY 1950, set in a drill hole in the highest part of a large area of exposed bedrock (Note 2), that is only slightly above surrounding contours. It is 135 feet south of the southeast corner of Prospect Harbor Community House (same building as PROSPECT HARBOR TALL CHURCH SPIRE 1954), and about the same distance west of State Highway 186, on land of Kickerson.
RAY 1 is a standard disk stamped RAY NO 1 1950, set in a drill hole in a rounded exposure of bedrock (Note 12a) northeast of and about the same elevation as the station mark.

OBJECT	BEARING	DISTANCE	DIRECTION
PROSPECT HARBOR LIGHTHOUSE 1954	SE (approx. 0.7 mile)	0 00 00.0	
PROSPECT HARBOR TALL CHURCH SPIRE 1954	N (approx. 160 feet)	245 51	
W 69	RE 544.65 105.058	260 20 01	
RM 1	E 43.41 15.255	295 10 29	

DEPARTMENT OF COMMERCE RECOVERY NOTE, TRIANGULATION STATION

U. S. COAST AND GEODETIC SURVEY
(OCT. 26, 1965)

NAME OF STATION: RAY
ESTABLISHED BY: C. F. M. YEAR: 1950 STATE: Maine
RECOVERED BY: RRG YEAR: 1966 COUNTY: Hancock

Detailed statement as to the fitness of the original description; including marks found, stampings, changes made, and other pertinent facts:
The station and reference mark No. 1 was recovered and in good condition.

The station may be reached by going 0.25 mile south along State Highway 186 from the post office at Prospect Harbor. The station is located on the highest part of a large area of exposed bedrock, 135 feet west of the center line of the highway, 136 feet south of the southeast corner of the Community House, and about 4 feet above the level of the highway. The disk is stamped RAY 1950.
RAY RM NO. 1 is 43.3 feet northeast of the station, 108 feet west of the center line of the highway, 107 feet southeast of the southeast corner of the Community House and about 3 feet above the level of the highway. The disk is stamped RAY NO 1 1950.

*Name of chief of party should be inserted here. The officer who actually visited the station should sign his name at the end of the recovery note.
Note.—One of these forms must be used for every station recovered.

Coors-DC 61207

ADJUSTED HORIZONTAL CONTROL DATA

NAME OF STATION: RAY

STATE: MAINE YEAR: 1965

SECOND ORDER

SOURCE: G-12512

GEODETIC LATITUDE: 44° 24' 21.31609	ELEVATION: 20 METERS
GEODETIC LONGITUDE: 68° 01' 40.00517	SCALED FEET

STATE COORDINATES (FRT)				
STATE & ZONE	CODE	X	Y	θ C.R.G. ANGLE
ME E	1801	623,402.63	209,068.92	+ 0 19 50

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE BURGA FORMULA NEGLIGENTLY THE SECOND TERM.

TO STATION OR OBJECT	GEODETIC AZIMUTH (FROM NORTH)	PLANE AZIMUTH (FROM NORTH)	CODE
PROSPECT HARBOR LH	285 02' 35.9	284 42' 46'	1801

THESE DATA OBTAINED FROM ADJUSTMENT OF APR 1977

WO -076

JAN 1978

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

See station UNION.

HORIZONTAL CONTROL DATA

by the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

QUAD 440682 STATION 1157

LATITUDE 44°00' TO 44°30'
LONGITUDE 68°00' TO 68°30'
DIAGRAM NL -19-11 BANGOR

ADJUSTED HORIZONTAL CONTROL DATA

NAME OF STATION UNION ECC

STATE MAINE

YEAR: 1968

SECOND ORDER

SOURCE: G-12512

GEOGRAPHIC LATITUDE:	44° 27' 51.34094	ELEVATION:	FEET
GEOGRAPHIC LONGITUDE:	68° 25' 46.42672		

STATE COORDINATES (XX)				
STATE & ZONE	CODE	X	Y	PLANE AZIMUTH
ME E	1801	518,388.577	229,987.687	+ 0 02 57.6

PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\theta = \text{CR}(\Delta \phi)$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEOGRAPHIC AZIMUTH (From south)	PLANE AZIMUTH (From south)	CODE
			WO-087