

Original

8520

Diag'd. on diag. ch. No. 1205

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Air Photographic Topographic

Field No. _____ Office No. T-8520

Horiz. & Vert. Ang. Tests

LOCALITY,

State Maine

General locality Biddeford Atlantic Coast Shore-
line.

Locality Goose Fare Bay to Ferry Beach

(Biddeford quad.)

194 4

CHIEF OF PARTY

Fred. L. Peacock

LIBRARY & ARCHIVES

DATE March 23, 1948

B-1870-1 (1)++

8520

DATA RECORD

T-8520

Quadrangle (II): Biddeford
7½ min.

Project No. (II): C.S. 303-D

Field Office: Sanford, Maine

Chief of Party: F. L. Gallen

Compilation Office: Baltimore, Md.

Chief of Party: Fred. L. Peacock

Instructions dated (II III):
May 1, Aug. 31, Nov. 27 and
Dec. 28, 1943.

Copy filed in Descriptive
Report No. T- (VI)
Div. Photogram Office Files

Completed survey received in office: 14 Mar. 1944

Reported to Nautical Chart Section:

Reviewed: 27 Apr. 1944 Applied to chart No. Date:

Redrafting Completed: 23 May, 1944

Registered: ^{March} 12 Feb. 1944

Published: 1944

Compilation Scale: 1:20,000

Published Scale: 1:25,000

Scale Factor (III): None

Geographic Datum (III): N. A. 1927

Datum Plane (III): Mean Sea Level

Reference Station (III): Biddeford, St. Joseph's Catholic Church Spire, 1941
~~OAKIDGE, ME., 1865~~

42-29-37.383 (1153.7m) 70-27-40.756 (915.7m)
Lat.: ~~43° 26' 54.174" N~~ 1671.9m Long.: ~~70° 26' 26.407" W~~ 593.8m Adjusted
~~Standard~~

State Plane Coordinates (VI): Maine - W. Zone

X = 421,807.79

Y = 240,829.15

Military Grid Zone (VI) A

Harbor Defense Grid Portland-Portsmouth Area.

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
13707 to 13709, Inc.	4-18-43	12:34 P.M.	1:20,000	6.3' above M.L.W.
13710 to 13711	4-18-43	12:40 P.M.	1:20,000	6.2' above M.L.W.
13736 & 13737	4-18-43	1:00 P.M.	1:20,000	5.55' above M.L.W.
13738 to 13743, Inc.	4-18-43	1:10 P.M.	1:20,000	5.25' above M.L.W.

Tide from (III): Predicted tables of Tides for Portland, Maine, with corrections for Tide Stat. on Wood Island Harbor, Maine.

Mean Range: 8.7'

Spring Range: 9.9'

Camera: (Kind or source)

U. S. Coast & Geodetic Survey - nine lens camera (focal length $8\frac{1}{4}$ ")

Field Inspection by: L. LeForrest Miller and
Morris W. Burr

date: Summer & Fall 1943

Field Edit by: L. LeForrest Miller
L. G. Chambers

date: Fall, 1943
March, 1944

Date of Mean High-Water Line Location (III): Same as date of Photographs

Projection and Grids ruled by (III) Washington Office

date: September 1943

" " " checked by: Washington Office

date: September 1943

Control plotted by: John P. Kubasoo

date: October 1, 1943

Control checked by: Henry P. Eichert

date: October 2, 1943

Radial Plot by: William H. VanLoon and
John P. Kubasoo

date: October 9, 1943 to
October 12, 1943

Detailed by: Mildred M. Trautman

date: December 22, 1943 to
March 11, 1944

Reviewed in compilation office by: William H. VanLoon

date: February 21, 1944 to
March 11, 1944

Elevations on Field Edit Sheet L. G. Chambers
checked by:

date: March, 1944

STATISTICS (III)

Land Area (Sq. Statute Miles): 48.9

Shoreline (More than 200 meters to opposite shore): 18 statute miles

Shoreline (Less than 200 meters to opposite shore): 16 statute miles (Measured along center line of streams)

Number of Recoverable Topographic Stations established: 5

Number of Temporary Hydrographic Stations located by radial plot: None

Leveling (to control contours) - miles;

Roman numerals indicate whether the item is to be entered by,

(II) Field Party, (III) Compilation Party, or, (VI) the Washington Office.

When entering names of personnel on this record give the surname and initials (not initials only).

Remarks;

General Procedure in the Production of Topographic
Quadrangles for the War Department
T-8520

This quadrangle, together with similar adjoining maps produced under Project C.S. 303D, was prepared by the Coast and Geodetic Survey for the War Department under "General Specifications for War Department Mapping Program" issued about December 1941, in which is incorporated the "Standard of Accuracy for a National Map Production Program" issued by the Bureau of the Budget under date of June 10, 1941.

The general procedure in the production of this and the adjoining quadrangles was:

AVAILABLE MAPS

The purpose of projects C.S. 303B and 303D was to prepare 1:25,000 scale 7½-minute quadrangles, 20 foot contour interval. The U. S. Geological Survey had recently completed 1:62,500 scale quadrangles of this area, and it was decided after conversation with the War Department to use the contours and as much of the planimetry as possible from these existing maps.

Copies of the U.S.G.S. source material were obtained, and on projects 303B and 303D this material was assembled into 7½-minute quadrangles and printed on metal-mounted boards in blue for field use. Copies of these same quadrangle assemblies were prepared for the photogrammetric office.

FIELD SURVEYS

The area was photographed at 1:20,000 scale with the nine-lens camera.

Field surveys prior to compilation include:

- (a) Vertical accuracy test of the U.S.G.S. contours. The 1:25,000 scale blueline boards mentioned above were used for this purpose. In general, the contouring checked well within the required accuracy for the 1:25,000 scale maps.
- (b) Horizontal accuracy test, which indicated that, generally, the planimetry from the 1:62,500 scale maps was not in sufficient detail and not quite within the accuracy requirements for the 1:25,000 scale quadrangle.

- (c) Field inspection of the aerial photographs for clarification of details.

COMPILATION OF MANUSCRIPT

Photogrammetric office work included:

- (a) Compilation of a new 1:25,000 scale planimetric map from the nine-lens photographs and field inspection data.
- (b) Compilation onto the planimetric map of contours from the blueline boards mentioned above, and including the corrections made by the field party.

FIELD EDIT

The compiled manuscripts, as mentioned above, were field-edited for details, but, generally, this work did not include accuracy tests, since these tests were made prior to compilation, as mentioned under Field Surveys.

Inspection
FIELD ~~EDIT~~ REPORT
QUADRANGLE T-8520
Project CS-303-D
F. L. Gallen, Chief of Party

2. COMPLETENESS OF FIELD ~~EDIT~~: *Inspection*

The field ~~edit~~ *inspection* on this quadrangle is believed to be complete. All roads and buildings to be shown have been classified. Wooded areas have been classified according to instructions. Low ground and swampy areas have been designated.

6. See report for T-8505.

14. ROADS:

Unimproved roads in almost daily use were classified 4U. Unimproved roads that are used only occasionally, or the reason for whose use has disappeared, were classified as trails.

15. See report for T-8505.

17. BOUNDARY MONUMENTS AND LINES:

Some town line monuments were located and picked on the photos. They appeared to check well with the lines shown on the compilation. *There were no town line monuments picked on the photos covering this area. Town lines were taken from the USGS Survey 1525A. M. V. Parker*

18. GEOGRAPHIC NAMES:

Geographic names are the subject of a special report on this project by A. J. Wraight.

46. METHODS:

The field ~~edit~~ *inspection* was done on U S C & G S nine-lens photographs, by visual inspection in the field. Inking was done in the office. All items and features are shown in red except the drainage which is in blue, and deletions in green.

47. See report on T-8505.

48. ACCURACY TESTS:

The accuracy tests for this area are the subject of a special report on this quadrangle. *See p 4 of Des. Report in regard to horizontal accuracy. Changes were made by the reviewer in the vicinity of point CS. in contours and drainage as suggested by text. Accuracy test Traverse No 1. T-8520 now meets the National Standard*
Approved and forwarded by: *Submitted by: Map Accuracy Requirements*

F. L. Gallen
F. L. Gallen
Chief of Party

L. LeForrest Miller per F. L. G.
L. LeForrest Miller
Jr. Topo. Engr.

WOODS AND BRUSH

TYPE

D	Deciduous
E	Evergreen
Cy	Cypress

CONCEALMENT

Z	Trees 10 feet or more in height, and thick enough when in foliage to conceal troop and vehicles.
Y	Brush and undergrowth thick enough to impede foot troops and conceal troops lying down.
X	Scattered trees not thick enough to conceal troops.
W	Scattered brush not thick enough to conceal troops.

PHYSICAL FEATURES

HG	Higher ground - usually appears in light tone on photograph; either wooded or cultivated area; may be scrub trees or brush. (usually not symbolized on photographs.)
LG	Low areas - generally appears dark on photograph becomes swampy during rainy season; often covered with dense growth of brush.
SW	Swamp - ground covered with water or boggy most of the time; lower in elevation than LG; wooded and/or brush.
M	Salt marshes

NOTE: The above areas are not outlined but sufficient notes are made on each photograph so that the variation in tones can be correctly interpreted in the office.

ROAD CLASSIFICATION FOR MAPS OF ALL SCALES

CLASS	LABEL	STRUCTURE	LOADING
1	Dependable hard-surface heavy duty road.	Concrete, asphaltic concrete bituminous Macadam, H-15 type structures.	Will bear heaviest loads with little maintenance.
2	Secondary, hard-surface all-weather road.	Surface-treated, oil-ed gravel, waterbound Macadam, structures generally lighter than H-15 but sturdy.	Will bear fairly heavy military loads in all weather if maintained.
3	Loose-surface graded, dry-weather road.	Gravel or stone surface stable material, selected sand-clay, etc. Drained and graded.	Will bear light military loads in good weather.
4	Unimproved road	Graded and drained earth, with very light structure.	Generally unsuitable for military loads.
4U	Truck road	Woods roads, farm roads, etc. over which a standard gage vehicle can be driven.	
5	Trail	(Horse trails, foot trails, etc.)	

Roads with more than two (2) lanes are indicated by note along road, e. g. 3 LANE. Change in lanes shown by tick at point of change. Main roads have two lanes unless otherwise marked.

Private roads are designated by the letter P after the road classification.

BUILDINGS

b - barn
Bldg - Building
Bo Ho - Boat House
Ch - Church (give name)
Ct Ho - Court House (give name)
P.O. - Post Office (give name)
Sch - School (give name)
Hos - Hospital (give name)
RR Sta - Railroad Station
Sto - Country store or gas station
P Sta - Power Station

BOUNDARIES

BDY - Boundary
F B - Fire Break
HDG - Hedge
Park - Park
Cem - Cemetery
Co - County

LANDMARKS

FT - Fire Tower (give name)
TT - Transmission Tower
RT - Radio Tower or mast
Air Bn - Airway Beacon
Bn - Non-lighted aid to navigation
Lt - Lighted aid to navigation
Tk - Low tank
Tk elev - Tank elevated on structure
Stk - Stack

GENERAL

X - delete; except where it
pertains to elevations.
Use only the abbrev. listed
on this page. Do not make
up abbreviations.

SHORE LINE

MWL - Mean high water; fast land
LWL - Low water line
LL - Marsh shore line
M - Marsh
MWT - Marsh grass in water
Dk - Dock
Pier - Pier
Se W - Sea Wall
Bkhd - Bulkhead
Jet - Jetty
Dol - Dolphnia
Pile - Pile
S - Sand
Mud - Mud

Rk - Rock or Rocky
Sty - Stony
Conc - Concrete
Wo - Wood
Blf - Bluff
Dune - Dune

STREAMS AND PONDS

D - Largest ditches only
DX - Small ditch (delete)
IS - Intermittent stream
PD - Probable drainage
Cr - Creek
Ca - Canal
Cv - Culvert
Lev - Levee
Dam - Dam
P - Pond
IP - Intermittent pond

VEGETATION

Gr - Grass
Sw - Swamp
Cy Sw - Cypress Swamp

BRIDGE AND TUNNEL CLASSIFICATION

<u>First Symbol</u>	<u>One Lane</u>	<u>Unlimited</u>
Capacity	5 mph.	
A	50 tons	25 tons
B	25 tons	18 tons
C	18 tons	13 tons
D	10 tons	7 tons
E	6 tons	4 tons
F	Light vehicles only	

Second Symbol

Vertical Clearance	A - over 14 feet
	B - over 13 feet
	C - over 12 feet
	D - over 11 feet, etc.

Third Symbol

Horizontal Clearance	A - over 18 feet
	B - over 17 feet
	C - over 16 feet
	D - over 15 feet, etc.

Fourth Symbol - Year of Classification

26 CONTROL:

Twenty seven horizontal control stations were recovered by the Field Inspection Party and used by the Compilation Office to establish photograph centers, secondary, and detail points. Ten, which fall within the limits of the $7\frac{1}{2}$ minute quadrangle, are:

✓ HOYT'S NECK 2, 1928
 ✓ FLETCHER NECK WATER TANK, 1941
 ✓ OAKRIDGE, ME. 1868
 ✓ BIDDEFORD ST. JOSEPH'S CATH. CH. SPIRE, 1941
 ✓ TT44TDA, 1940 (U.S.G.S.) (BM)
 ✓ TT45TDA, 1940 (U.S.G.S.)
 ✓ TT46TDA, 1940 (U.S.G.S.)
 ✓ 2414+ (U.S.G.S.)
 ✓ 2420+ (U.S.G.S.)

Additional Stations

TT-42-TDA USGS (BM)
 TT-43-TDA USGS (BM)
 TT-48-TDA USGS (BM)
 Fairfield Hill 1851
 Merrill 1868
 BM W-17 (USGS)
 T5
 U5

Seventeen stations fall just outside the limits of the $7\frac{1}{2}$ minute quadrangle. They are:

STRATHAM ISLAND BARN CUPOLA, 1941
 STAGE ISLAND, MON. 1941
 WOOD ISLAND L.H., 1868, 1903r, 1941
 FLETCHER NECK 156, 1941
 FLETCHER NECK COAST GUARD LOOKOUT TOWER, 1941
 OLD ORCHARD STANDPIPE, 1923r, 1941
 SAGO ORTHODOX CHURCH SPIRE, 1850
 HOOPER, 1941
 KENNEBUNK BAPTIST CHURCH SPIRE (ME.) 1851r, 1928(d)
 CAPE PORPOISE CHURCH SPIRE, 1941
 KENNEBUNK UNITORIAN CHURCH SPIRE
 GOAT ISLAND L.H. 1903r, 1941
 TT55TDA (U.S.G.S.)
 TT49TDA (U.S.G.S.)
 2408+ (U.S.G.S.)

Field Inspection Stations were established at well defined points near the following Horizontal Control Stations:

FLETCHER NECK COAST GUARD LOOKOUT TOWER 1941 The tower is on T-8521
 HOOPER, 1941 (destroyed prior to 1943)
 RIDDEN, 1941
 OAKRIDGE (Me.) 1868

The Washington Office furnished the Compilation Office the geographic positions and descriptions of test traverse points T-6 to T-26 of Horizontal Accuracy Test No. 5 which were used to supplement the Horizontal Control mentioned above. This was a test of the USGS Survey T-8521 from which the contours of T-8520 were taken

27 RADIAL PLOT:

The radial plot for this Map Manuscript was accomplished in the same manner as that described in the Descriptive Report for Survey T-8523, with the following exception: Six unmounted and nine mounted photographs were used.

28 DETAILING:

The field inspection for the planimetry, in general, was found to be adequate and satisfactory.

Drainage, marsh areas, and low ground were detailed from field inspection data after careful stereoscopic examination of the office photographs.

All buildings as indicated by the field inspection data were inked on the office photographs and then detailed on the Map Manuscript.

Detail points were pricked on the field inspection photographs in order to transfer culverts and other planimetric details not visible on the office photographs but indicated by the field inspection data.

The contouring accomplished by the U. S. Geological Survey and furnished the Compilation Office on a blue line metal mounted print of a survey covering the area of this Map Manuscript, was not in agreement with the drainage furnished the Compilation Office by the Field Inspection Party on the nine lens photographs.

In cases where the drainage on the photographs could not be verified by stereoscopic inspection and the contours on the survey made by the U. S. Geological Survey also indicated that the drainage was incorrect on the photographs, the drainage on the Survey made by the U. S. Geological Survey was accepted as correct. In other cases where discrepancies occurred and the drainage could be verified by stereoscopic inspection, the contours on the Survey made by the U. S. Geological Survey were corrected to fit the drainage. The intermittent drainage on the Survey made by the U. S. Geological Survey was very incomplete. A thorough Field Edit is suggested since many of the adjustments of contours cannot be definitely verified by Compilation Office inspection.

29 SUPPLEMENTAL DATA:

The following previous topographic surveys have been made by the U. S. Coast & Geodetic Survey covering the area of Survey T-8520:

29 SUPPLEMENTAL DATA (Cont'd.)

<u>NAME</u>	<u>DATE</u>	<u>SCALE</u>
T-759	1859	1:10,000
T-760✓	1859	1:10,000
T-761✓	1859	1:10,000
T-1159✓	1870	1:10,000
T-1188✓	1870	1:10,000
T-1224✓	1871	1:10,000
T-1225✓	1871	1:10,000
T-1159a✓	1912-13	1:10,000
T-1188a✓	1912-13	1:10,000
T-1224a✓	1913	1:10,000
T-1225a✓	1912-13	1:10,000

None of the above Surveys were available to the Compilation Office.

30 MEAN HIGH-WATER LINE:

The stage of tide was computed for all photographs used in the process of detailing and found to be just above half tide.

The high-water line was delineated from data provided by the Field Inspection Party and by stereoscopic examination of the office photographs.

31 LOW-WATER AND SHOAL LINES:

Approximate low-water lines, shoal lines, and rock ledge areas visible on the office photographs or shown by the field inspection data were detailed.

32 DETAILS OFFSHORE FROM HIGH WATER LINE:

Rocks above mean low water which have been radially plotted, are shown with the conventional rock symbol inclosed within a 2.5 m.m. dashed circle. Those not radially plotted are shown by the conventional symbol only.

33 WHARVES AND SHORE LINE STRUCTURES:

All wharves and piers visible on the photographs or indicated by the Field Inspection Party were detailed.

33 WHARVES AND SHORE LINE STRUCTURES (Cont'd.)

Two rock jetties were detailed at the mouth of the Saco River.

Several dams and fish nets were detailed in the Saco River.

34 LANDMARKS AND AIDS TO NAVIGATION:

One fixed aid to navigation, Bow Island Ledge Beacon (not lighted) and shown on Charts Nos. 1205 and 231' could not be radially plotted on this Survey, as it is not identifiable on the photographs. An appropriate notation has been made on the discrepancy overlay. ✓

35 HYDROGRAPHIC CONTROL:

Five Recoverable Topographic Stations fell within the limits of the $7\frac{1}{2}$ minute quadrangle. Of these five stations, four, namely: Fer, 1943; Cur, 1943; Bay, 1943; and All, 1943 are suitable as partial control for future hydrographic surveys as long as they remain in position.

One other Topographic Station namely: Airway Beacon, 1943, near Perkins Corner is too far inland to be of any use for hydrographic control.

Form 524 is being submitted for the above Recoverable Topographic Stations. ✓

36 LANDING FIELDS AND AERONAUTICAL AIDS:

Biddeford Airport falls within the limits of this Map Manuscript. An airway beacon at Perkins Corner has been radially plotted and shown on the Map Manuscript. ✓

37 DISCREPANCY OVERLAY:

A discrepancy overlay has been prepared to accompany this Map Manuscript. On it are notes calling to the attention of the Field Edit Party to areas shown as swamp areas on the Survey made by the U. S. Geological Survey, and which were not included in the field inspection data. Notes concerning rocks shown on the U. S. Coast and Geodetic Survey Charts and not included in the field inspection data are also shown. Boundary lines transferred from the blue line print of the Survey made by the U. S. Geological Survey have been shown on the discrepancy overlay. A set of general notes have been

Inspected, F.H.S.
Converted to
N.W. (1957.)

37 DISCREPANCY OVERLAY (Cont'd.)

included to aid in the interpretation of the Map Manuscript.

38 GEOGRAPHIC NAMES:

The results of a geographic names investigation by A. J. Wraight were furnished the Compilation Office on a copy of the U. S. Geological Survey 15 min. Biddeford, Me. Quadrangle. This investigation did not include the complete area of the Map Manuscript. Geographic names outside the area of the investigation were transferred from Nautical Chart No. 1205 to the Map Manuscript. Only undisputed names have been shown on the Map Manuscript. A list of undisputed, recommended, and disputed geographic names is attached to this report.

39 HORIZONTAL ACCURACY:

The horizontal accuracy of this Map Manuscript is believed to be within the limits set forth for well defined and less well-defined points of detail, in the instructions for Project CS-303, paragraph 23, dated May 1, 1943.

40 RECOMMENDATION FOR FUTURE SURVEY:

The planimetric detail, including data furnished on the field inspection photographs, is believed to be complete as presented on this Map Manuscript. It is subject to additions, corrections, and deletions during a new field edit.

41 JUNCTIONS:

The following satisfactory junctions were made:

To the north with Map Manuscript for Survey T-8517.
To the East with Map Manuscript for Survey T-8521.
To the south with Map Manuscript for Survey T-8525.

There is no contemporary Survey to the west of Survey T-8520.

44 COMPARISON WITH EXISTING TOPOGRAPHIC SURVEYS:

Comparison was made with a Topographic Survey No. T-8525A compiled by the U. S. Geological Survey, a copy of which was furnished the Compilation Office on a blue line print mounted on metal.

It was found that roads were in only fair agreement. Differences

44 COMPARISON WITH EXISTING TOPOGRAPHIC SURVEYS (Cont'd.)

in alignment in several instances were evident.

Coastal shore line, tributaries, and all main drainage were in fairly good general agreement.

Several marsh areas shown on the Survey, but not identified on the field inspection photographs for Survey No. T-8520 have been indicated and noted on the discrepancy overlay.

Contours were transferred from this Survey to the Map Manuscript and are described in this Descriptive Report under the heading of "Detailing".

45 COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with U. S. Coast & Geodetic Survey, Nautical Chart No. 1106, Scale 1:384,000, published June, 1933, Reissued June, 1938.

Due to great scale difference, only a visual comparison could be accomplished and all shore line and offshore detail appeared to be in good agreement.

Comparison was made with U. S. Coast & Geodetic Survey, Nautical Chart No. 1205, scale 1:80,000, published December, 1930, Reissued June, 1938.

The chart was enlarged to the compilation scale in the vertical projector and close inspection reveals that the shore line at Ferry Beach, Camp Ellis has receded 0 to 70 meters since date of the chart. Several discrepancies concerning rocks have been clearly shown on the discrepancy overlay. Cow Id. Ledge day beacon as shown on Chart No. 1205 cannot be seen on the photographs, and has been noted on the discrepancy overlay for investigation during the special Field Edit. All other detail was in good general agreement.

located by
Field Edit
& now is
shown on ms.

Comparison with U. S. Coast & Geodetic Survey, Nautical Chart No. 231, scale 1:20,000, published May, 1943, revised to September 15, 1943, reveals that erosion has taken place all along Ferry Beach north of Camp Ellis. Some difference exists in the north shore line of Saco River about one mile S.E. of Biddeford, the chart showing a marsh area extending considerably more offshore from the shore line shown on Survey T-8520.

A road, shown on Chart No. 231, crossing Saco River just north of the dam at Biddeford, and continuing westward along the south bank of the River, does not appear on the photographs.

45 COMPARISON WITH NAUTICAL CHARTS (Cont'd.)

Cow Id. Ledge Beacon, mentioned above, also appears on Chart No. 231. Several small lateral roads shown on the chart at Ferry Beach were not visible on the photographs. All other detail was in good general agreement.

Respectfully Submitted:
March 11, 1944

Mildred M. Trautman
Mildred M. Trautman
Jr. Photogrammetric Aid

Map Manuscript, Discrepancy
Overlay, and Descriptive
Report reviewed by:

William H. VanLoon
William H. VanLoon
Pr. Photogrammetric Aid

Compilation of Map Manuscript
Supervised by:

Joseph Steinberg
Joseph Steinberg
Asst. Photogrammetric Eng.

and

J. Edward Deal, Jr.
J. Edward Deal, Jr.,
Asst. Photogrammetric Eng.

Approved & Forwarded:
March 14, 1944

Fred. L. Peacock
Fred. L. Peacock
Commander, C. & G. Survey
Officer-in-Charge
Baltimore Field Office

LIST OF GEOGRAPHIC NAMES

UNDISPUTED

- | | |
|---|---------------------------------------|
| ✓ Airport Village | ✓ New Town |
| ✓ Alfred Road | ✓ Newtown Road |
| ✓ Arundel Corner | ✓ Oak Ridge |
| ✓ Arundel Swamp | * Ocean Park |
| ✓ Batson River | ✓ Old Orchard (township) |
| ✓ Bay View | ✓ Perkins Brook |
| ✓ Beach Wood <i>Beach Road</i> | ✓ Perkins Corner |
| ✓ Biddeford (Township) | ✓ Pool Road |
| ✓ Biddeford | ✓ Proctor Road |
| ✓ Biddeford Airport | ✓ Saco (Township) |
| ✓ Biddeford City Farm | Saco * Saco Bay |
| ✓ Boston & Maine Railroad, Eastern Div. | * Saco River |
| ✓ Boston & Maine Railroad, Western Div. | * Sampson Cove |
| ✓ Campbell Road | ✓ Tattle Square |
| ✓ Camp Ellis | ✓ Tea Kettle Corner |
| ✓ Cape Porpoise Road | ✓ Thacher Brook |
| * ✓ Chandler Point | ✓ The Pump |
| * ✓ Chase Point | * Timber Island |
| ✓ Clock Corners | ✓ Town House Corners |
| * ✓ Cow Island | ✓ Town House Road |
| * ✓ Curtis Cove | ✓ Tyler Brook |
| ✓ Dungeon Brook | * ✓ West Goose Rocks |
| * ✓ East Goose Rocks | ✓ West Road |
| ✓ Etherington Pond | ✓ Whitten Hill |
| * ✓ Factory Island | * ✓ Windmill Point |
| ✓ Ferry Beach | |
| ✓ Ferry Beach Ponds | |
| ✓ Five Points | |
| ✓ Fortune Rocks | |
| ✓ Goff Mill Brook | |
| ✓ Goodwins Mill Brook <i>Brook Road</i> | |
| * ✓ Goose Fare Bay | |
| * ✓ Goose Fare Brook | |
| * ✓ Gordon Point | |
| ✓ Guinea Corner | |
| ✓ Guinea Road | |
| * ✓ Hoyt Neck | |
| * ✓ Jordan Point | |
| ✓ Joy Hill | |
| ✓ Kennebunkport (Township) | |
| ✓ Kennebunkport Road | |
| * ✓ Kennebunk River <i>?</i> | |
| ✓ Little River | |
| ✓ Lord's Pond | |
| ✓ Moors Brook | |
| * ✓ Mouse Island | |

Those names shown with and * have been taken from U. S. Coast & Geodetic Charts Nos. 1205 and 231.

LIST OF GEOGRAPHIC NAMES

Recommended

~~Arundel Road~~
~~Beachwood Road~~
~~Davis Pond~~)
~~Great Heath~~
~~Peter Smith Brook~~
~~Seavey's Ice Pond~~
~~West Brook~~

Disputed

Robinson Road
Whitte Hill Road
Marcotte Ice Pond
Seavey's Ice Pond
Big Heath
Smith Brook
Greeley's Ice Pond
Richardson Brook

Delete

~~Arundel~~

Field Edit Report
To Accompany
Quadrangle T-8520
Project 303-D

46. The field edit of this quadrangle was accomplished by a visual inspection of the various topographical features as they were plotted on the compilation with standard field instruments and methods being used to check discrepancies noted on the overlay. Roads, drainage and other features have been inspected and classified where they were omitted by the field inspection party. Bridges have been classified according to instructions. The field edit notes were plotted on the ozalid copy of the compilation according to the following color scheme:

Additions Black
Deletions Green
Drainage Blue
Contours Brown

Notes on the discrepancy overlay were checked off with red ink.

47. The compilation is believed to be complete and accurate as corrected by the field edit. Additional drainage has been delineated and corrected with the aid of the stereoscope after being inspected in the field.
49. Junctions were checked in the compilation office.
11. Cow I. Ledge Bn. was located and the position is submitted on the attached form 567. *Chart Letter 95, 1944*

Submitted by:

L. G. Chambers per F.H. 9.
L. G. Chambers
Prin. Photo. Aid

Approved and Forwarded:

F. L. Gallen

F. L. Gallen
Chief of Party

DIVISION OF CHARTS

SURVEYS BRANCH

REVIEW OF AIR PHOTOGRAPHIC SURVEY T- 8520

BIDDEFORD, MAINE QUADRANGLE

This quadrangle manuscript has been examined for completeness, accuracy, and conformity with the specifications. It is adequate for smooth drafting, reproduction and publication. Revisions found to be necessary in this office are discussed on the next page.

Horizontal and Vertical Accuracy

Vertical: "Over 90% of contour elevations within $\frac{1}{2}$ contour interval of true positions."

Previous Surveys

This manuscript has been compared with the following previous topographic surveys of this Bureau and other agencies. This map is satisfactory to supersede the previous surveys over the common area for comparable detail.

See list in Compilation Report.

U.S.G.S. BIDDEFORD 15' ed 1893 rep 1943 1/62500

<u>Comparison with Nautical Charts Nos.</u>	231	1/20000	1943
	1205	1/80000	1943

The manuscript has not been applied to the charts at the date of this review. The following comments are pertinent to the compilation and correction of nautical charts:

It is recommended that the shoreline be changed along Ferry Beach north of Camp Ellis, and the shoreline of the Saco River about one mile southeast of Biddeford.

T-8520 supersedes these charts in their common detail and area.

The following revisions of the map manuscript were found to be necessary and were accomplished as a part of this review:

Addition of ledge and shoal areas from field edit.

Review report written from notes made by the reviewer. (LTS)

Reviewed 27 April, 1944 By M. V. Parker
under direction of D. H. Benson *per L.T.S.*

Inspected by B. G. Jones *B.G. Jones 3/48*

Examined and approved:

~~Chief, Survey Branch~~

K.T. Adams
Chief, Topography Section
Div. of Photogrammetry

R. T. Adams
Chief, Div. of Charts
Nautical Charts Branch

C. K. Green
Chief, Div. of Coastal
Surveys

T-8520

1

Remarks

Decisions

1		
2		USGB
3		
4		
5		
6		434703
7		"
8		Railway Guide
9		Road Maps
10		"
11		
12		
13		433703
14		433704 433704
15		"
16		"
17		"
18		"
19		"
20		"
21	Pending with USGB	"
22		" USGB
23		"
24		"
25		"
26		"
27	Pending with USGB	"

GEOGRAPHIC NAMES

Survey No. T-8520

BIDDEFORD quadrangle

1 Name on Survey

	A	B	C	D	E	F	G	H	K	
✓ Atlantic Ocean			✓							1
✓ Maine			✓							2
✓ York County			✓							3
✓ Towns of Saco, Biddeford, Kennebunkport, Old Orchard (N.B. check to see if there is not a North Kennebunkport involved as well, since this name is shown in current Rand McNally			✓							4
✓ Saco River			✓							5
			(two places)							6
✓ Saco Bay			✓							7
✓ Boston & Maine R.R.			✓							8
✓ U.S. No. 1, No. 1-A			✓							9
State No. 111, 9/208			✓							10
			(No. 111 is apparently Alfred Road; No. 9 is in part Cape Porpoise Road; No. 9/208 is in part Pool Road)							11
										12
✓ Timber Island			✓							13
✓ Seal Rock			✓							14
✓ Sampson Cove			✓							15
✓ Town House Corners			✓							16
✓ Town House Road			✓							17
✓ Campbell Road			✓							18
✓ Goff Hill Brook			✓							19
✓ Arundel Swamp			✓							20
✓ Tyler Brook			✓							21
✓ Batson River			✓							22
✓ Goosefare Bay			✓							23
✓ East Goose Rocks			✓							24
✓ West Goose Rocks			✓							25
✓ Cape Porpoise Road			✓							26
Seavey Ice Pond			does not exist							27
✓ Peter Smith Brook			✓							28

Remarks.

Decisions

1	Pending with USGB: use this instead of Beachwood	434704
2		"
3		"
4		"
5	Use this to preserve former name of Beachwood	"
6		"
7		"
8		"
9		"
10		"
11		"
12		434703
13		434704
14		"
15		"
16		"
17		"
18		"
19		"
20		"
21		"
22		"
23		"
24		"
25		"
26		"
27		"

GEOGRAPHIC NAMES

Survey No. T-8520

GEOGRAPHIC NAMES											
Survey No. T-8520											
		<div>On Chart No.</div> <div>On previous survey No.</div> <div>On U. S. quadrangle Maps</div> <div>From local information</div> <div>On local Maps</div> <div>P. O. Guide or Map</div> <div>Rand McNally Atlas</div> <div>U. S. Light List</div>									
2	Name on Survey	A	B	C	D	E	F	G	H	K	
	<u>Goose Rock Beach</u>			✓							1
	<u>Perkins Brook</u>			✓							2
	<u>Clock Corners</u>			✓							3
	<u>Kennebunkport Road</u>			✓							4
	<u>Beachwood Road</u>			✓							5
	<u>Arundel Corner</u>			✓							6
	<u>Arundel Road</u>			✓							7
	<u>Perkins Corner</u>			✓							8
	<u>Whitten Hill</u>			✓							9
	<u>Guinea Road</u>			✓							10
	<u>Oak Ridge</u>			✓							11
	<u>Davis Pond</u>	does not exist									12
	<u>Little River</u>			✓							13
	<u>Newtown</u>			✓							14
	<u>Newtown Road</u>			✓							15
	<u>West Road</u>			✓							16
	<u>Tea Kettle Corner</u>			✓							17
	<u>Joy Hill</u>			✓							18
	<u>Great Heath</u>			✓							19
	<u>Guinea Corner</u>			✓							20
	<u>Proctor Road</u>			✓							21
	<u>Brattleford Airport</u>			✓							22
	<u>Airport Village</u>			✓							23
	<u>Alfred Road</u>			✓							24
	<u>Five Points</u>			✓							25
	<u>Thacher Brook</u>			✓							26
	<u>Goodwins Mill Road</u>			✓							27

M 234

Remarks.

Decisions

1		434704
2		"
3		435704
4		434704
5		"
6		"
7		"
8		"
9		"
10		"
11	Pending with USGB	"
12		"
13		"
14		"
15		"
16		"
17		"
18		"
19		435703
20	Pending with USGB	434703
21		"
22		"
23		"
24		"
25		"
26		"
27		"
M 234		

GEOGRAPHIC NAMES

Survey No. T-8520

GEOGRAPHIC NAMES		Survey No. T-8520									
		<div>On Chart No.</div> <div>On previous survey No.</div> <div>On U. S. quadrangle Maps</div> <div>From local information</div> <div>On local Maps</div> <div>P. O. Guide or Map</div> <div>Rand McNally Atlas</div> <div>U. S. Light List</div>									
3	Name on Survey	A	B	C	D	E	F	G	H	K	
	<u>Biddeford</u>			✓							1
	<u>Biddeford City Farm</u>			X							2
	<u>Saco</u>			✓							3
	<u>Beach Road</u>			✓							4
	<u>Factory Island</u>			✓							5
	<u>Cow Island</u>			✓							6
	<u>Cow Island Ledge Beacon</u>			✓							7
	<u>Mouse Island</u>			✓							8
	<u>Junkins Point</u>			✓							9
	<u>Gordon Point</u>			✓							10
	<u>West Brook</u>			✓							11
	<u>The Pump</u>	(locality: pumping station formerly here)									12
	<u>Dungeon Brook</u>			✓							13
	<u>Moors Brook</u>			✓							14
	<u>Tattle Square</u>			✓							15
	<u>Hills Point</u>			✓							16
	<u>Mannix Point</u>			✓							17
	<u>Chase Point</u>			✓							18
	<u>Ocean Park</u>			✓							19
	<u>Goosefare Brook</u>			✓							20
	<u>Kinney Shores</u>	beach, next north of Bay View									21
	<u>Bay View</u>			✓							21
	<u>Ferry Beach</u>			✓							22
	<u>Ferry Beach Ponds</u>			✓							23
	<u>Pool Road</u>			✓							24
	<u>Camp Ellis</u>			✓							25
	<u>Chandler Point</u>			✓							26
	<u>Windmill Point</u>			✓							27

Remarks.

Decisions

1		434703
2		"
3		"
4		" USGB
5		"
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GEOGRAPHIC NAMES

Survey No. T-8520

GEOGRAPHIC NAMES											
Survey No. T-8520											
Name on Survey		A	B	C	D	E	F	G	H	K	
4											
	<u>Jordan Point</u>			✓							1
	<u>Lords Pond</u>			✓							2
	<u>Etherington Pond</u>			✓							3
	<u>Fortunes Rocks</u>		(village)	✓							4
	<u>Hoyt Neck</u>			✓							5
	<u>Curtis Cove</u>			✓							6
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Names underlined in red approved

by H. H. H. on 5/18/44

M 234

Names underlined in red approved
by W. H. H. H. on 5/13/44

RECORDS

Between January, 1942 and July, 1944, this Bureau completed 323 quadrangles. These maps have been published, or are in the process of being published on scales of 1:31,680 or 1:25,000. This series of quadrangles includes a land area of approximately 15,000 square miles. Incident to this work, a considerable volume of survey records and data has accumulated which will be filed for future reference. This material is filed as follows:

Registered and Filed in the Vault.

Cloth-mounted copy of the published quadrangle.

Black and white cloth-mounted copy of the published quadrangle at 1:20,000 scale. This copy is filed to preserve original survey detail shown on the manuscript at 1:20,000 scale which may not have been shown on the published sheet. For woodland, refer to the published quadrangle for the finally adopted outlines.

Descriptive Report.

Filed in the Photogrammetric Division.

Field inspection photographs.

Contoured photographs (on which planetable contouring work was performed.)

Field edit sheet.

Descriptions of recoverable topographic stations (Form 524), filed in Review Section.

Supplementary traverse and level records.

Field notes, computations, lists of positions, and tabulations of results of horizontal and vertical accuracy tests.

Reproduction proof.

Correction sheet (copy of quadrangle showing in red changes to be made when next printed.)

Check lists of work performed on each sheet in the Washington Office during review, drafting, edit, and reproduction.

Copies of specifications and all instructions to field parties and field offices.

Filed in Reproduction Branch.

Glass negatives of the color separation drawings.

Filed in the Library.

Special report on office work by B. G. Jones, 1944.

Season's report on field work by Commander F. L. Callen, 1944.

Season's report on field work by Commander R. L. Schoppe, 1944.

Delivered to the Army Map Service in accordance with the contract.

Film negatives and film positives of the color separation drawings.

All color separation drawings.

A correction sheet consisting of a copy of the first edition of the quadrangle with notes in red indicating changes desirable at the next printing.