NEW CHART NUMBERING SYSTEM

The National Ocean Survey, in cooperation with the Defense Mapping Agency Hydrographic Center, is in the process of adopting a new national chart numbering system. See Notice to Mariners No. 19, May 11, 1974, or Nautical Chart Catalog for cross references of old and new chart numbers.

Chart Number	
New System	Old System
16281	8851

WARNING

The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

CAUTION – Loran-C rates shown hereon are scheduled to become operationally certified on January 1, 1977 and should not be used for navigation without consulting the Local Coast Guard District Notice to Mariners for final operational date.

ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1):

Lights (Lights are white unless otherwise indicated.):
F. fixed
Fl. flashing
Qk. quick
Gp. group
E. Int. equal interval
Mo. (A) morse code
Occ. occulting
Alt. alternating
I. Qk. interrupted quick
OBSC. obscured
WHIS. whistle
DIA. diaphone
M. nautical miles
Rot. rotating
SEC. sector
m. minutes
sec. seconds

Buoys: T.B. temporary buoy
C. can
N. nun
S. spar
B. black
R. red
Or. orange
G. green
W. white
Y. yellow

Bottom characteristics:
Cl. clay
Co. coral
G. gravel
Grs. grass
M. mud
Rk. rock
S. sand
Sh. shells
hrd. hard
rky. rocky
sft. soft
stk. sticky
bk. black
br. brown
bu. blue
gn. green
gy. gray
rd. red
wh. white
yl. yellow

21 Wreck, rock, obstruction, or shoal swept clear to the depth indicated.
(2) Rocks that cover and uncover, with heights in feet above datum of soundings:

AERO. aeronautical
Bn. daybeacon
R. Bn. radiobeacon
R. TR. radio tower
C. G. Coast Guard station
D.F.S. distance finding station

AUTH. authorized; Obstr. obstruction; P.A. position approximate; E.D. existence doubtful.

CAUTION

Tidal observations made by the National Ocean Survey (formerly the Coast and Geodetic Survey) at Sand Pt., Popof Island, since the earthquake of March 27, 1964 indicated no bottom uplift or subsidence as a result of the earthquake. However, mariners are urged to use caution when navigating in the area of this chart due to possible changes in depths and shoreline in areas other than this selected site.

UNITED STATES
ALASKA-SOUTH COAST

SHUMAGIN ISLANDS

NAGAI ISLAND TO UNGA ISLAND

SOUNDINGS IN FATHOMS
AT MEAN LOWER LOW WATER

1st Ed., Sept. 1917 C-1916-173

TIDAL INFORMATION

Place		Height referred to datum of soundings (MLLW)				
Name	(Lat/Long)	Mean Higher High Water	Mean High Water	Mean Tide Level	Mean Lower Low Water	Extreme Low Water
		feet	feet	feet	feet	feet
Korovin Island (east side)	(55°24′N/160°09′W)	7.8	7.0	4.2	0.0	−3.5
Sanborn Harbor, Nagai Island	(55°09′N/159°59′W)	7.2	6.5	3.9	0.0	−3.5
Delarof Harbor, Unga Island	(55°11′N/160°30′W)	6.9	6.2	3.7	0.0	−3.5
Sand Point, Popof Island	(55°20′N/160°30′W)	7.3	6.6	4.0	0.0	−3.5
Zachary Bay, Unga Island	(55°20′N/160°37′W)	7.5	6.7	4.0	0.0	−3.5
Beaver Bay	(55°28′N/160°50′W)	7.3	6.6	4.0	0.0	−3.5

(576)

HEIGHTS

Heights in feet above Mean High Water.

AUTHORITIES

Hydrography and topography by the National Ocean Survey (formerly the Coast and Geodetic Survey) with additional data from the U.S. Coast Guard and Geological Survey.

CAUTION

Temporary changes or defects in aids to navigation are not indicated on this chart. See Notice to Mariners.

Mercator Projection
Scale 1:100,000 at Lat. 55°20′

North American 1927 Datum

AIDS TO NAVIGATION

Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

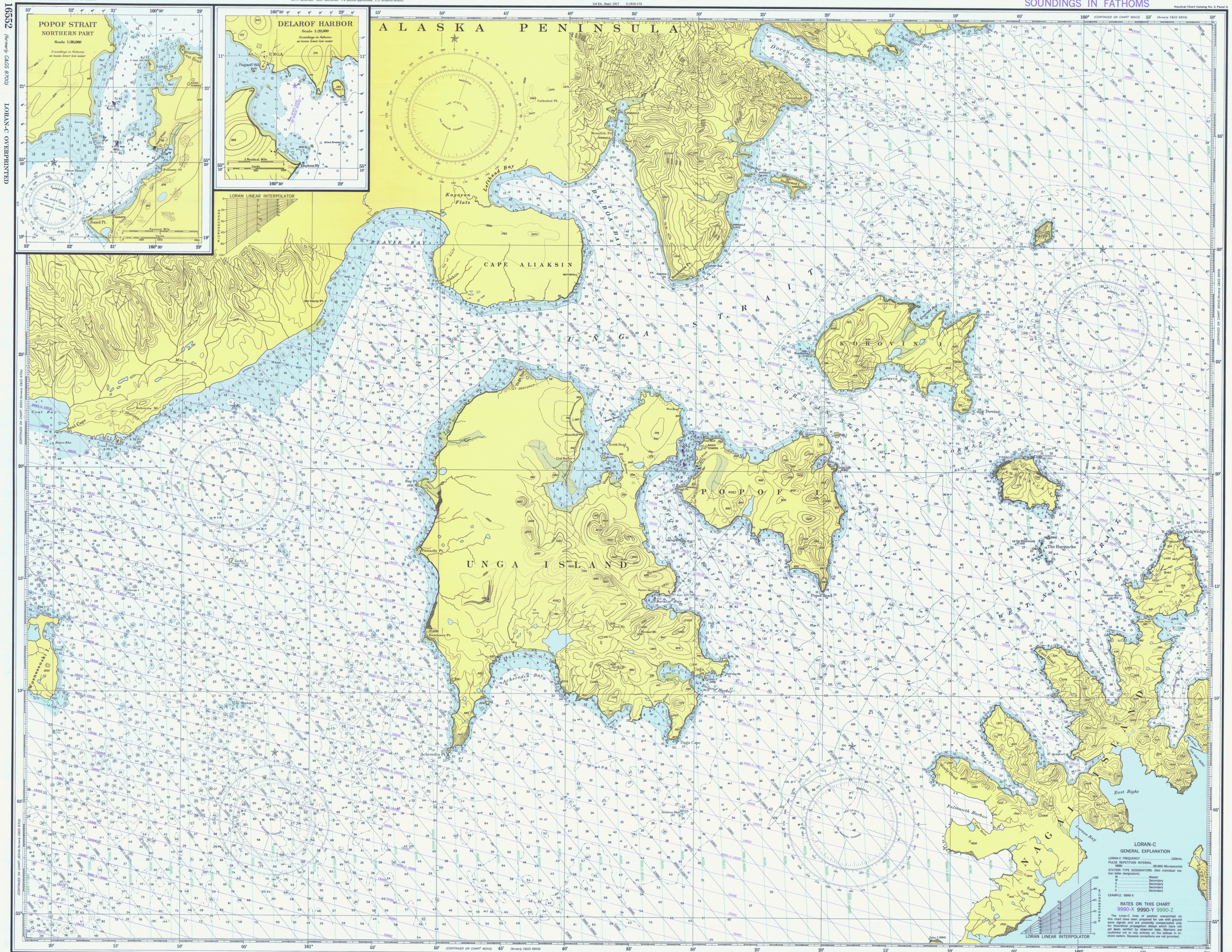
SUPPLEMENTAL INFORMATION

Consult U.S. Coast Pilot 9 for important supplemental information.

SOUNDINGS IN FATHOMS

Nautical Chart Catalog No. 3, Panel G

16552 (formerly C&GS 8700) LORAN-C OVERPRINTED


POPOF STRAIT
NORTHERN PART
Scale 1:30,000
Soundings in fathoms at mean lower low water
DELAROF HARBOR
Scale 1:20,000
Soundings in fathoms at mean lower low water
LORAN LINEAR INTERPOLATOR
MICROSECONDS
ALASKA PENINSULA
(CONTINUED ON CHART 16540)
(formerly C&GS 8859)
(CONTINUED ON CHART 16551) (formerly C&GS 8851)
(CONTINUED ON CHART 16549) (formerly C&GS 8703)
Kagayan Flats
Lefthand Bay
Balboa Bay
Beaver Bay
Cape Aliaksin
Pt. Aliaksin
Mc Ginty Pt.
Mino Cr.
Bobrovia Mt.
Coal Bay
Seal Cape
Moses Rks
Cathedral Pk
Albatross Anchorage
Monolith Pt.
Ballast I.
Reef Pt.
Dorenoi Bay
Renshaw Pt.
San Diego Bay
Guillemot I.
Swedania Pt.
Chichagof Bay
West Cove
Unga Strait
Zachary Bay
Unga Spit
Korovin I.
Korovin Bay
Korovin Strait
Scotland Pt.
Karpa I.
Cape Devine
Gorman Strait
Andronica I.
Popof I.
Popof Strait
Popof Head
Sand Pt.
Unga Island
Pinnacle Pt.
Sombrero Pt.
Acheredin Bay
Acheredin Pt.
Baralof Bay
Delarof Harbor
Unga
Unga Cape
Sealion Rks
Jude I.
Omega I.
Kennoys Is
Clay I.
Wosnesenski I.
West Nagai Strait
The Haystacks
The Whaleback
Cape Wedge
Porpoise Rocks
Porpoise Harbor
Sanborn Harbor
Northeast Bight
East Head
Eagle Harbor
Wooly Head
Falmouth Harbor
Cape Horn
Larsen Bay
East Bight
Nagai Island
Turner I.
John I.
Mist Harbor
(see chart 16281)
160°
161°
55°
55°20′

LORAN-C
GENERAL EXPLANATION

LORAN-C FREQUENCY ....100kHz.
PULSE REPETITION INTERVAL
9990 ....99,900 Microseconds
STATION TYPE DESIGNATORS: (Not individual station letter designators)
M ....Master
W ....Secondary
X ....Secondary
Y ....Secondary
Z ....Secondary
EXAMPLE: 9990-X

RATES ON THIS CHART
9990-X 9990-Y 9990-Z

The Loran-C lines of position overprinted on this chart have been prepared for use with ground wave signals and are presently compensated only for theoretical propagation delays which have not yet been verified by observed data. Mariners are cautioned not to rely entirely on the lattices in inshore waters. Skywave corrections are not provided.

9th Ed., Sept. 18/76

16552
(formerly C&GS 8700)
LORAN-C OVERPRINTED

CAUTION

This chart has been corrected from the Notice to Mariners published weekly by the Defense Mapping Agency Hydrographic Center and the Local Notice to Mariners issued periodically by each U.S. Coast Guard district to the print date shown in the lower left hand corner.

SOUNDINGS IN FATHOMS

Published at Washington, D.C.
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

FATHOMS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
FEET	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102

METERS 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

(Nagai Island to Unga Island)
SOUNDING IN FATHOMS - SCALE 1:100,000

16552
(formerly C&GS 8700)
LORAN-C OVERPRINTED