SOUNDINGS IN FATHOMS

16640
LORAN-C OVERPRINTED

CAUTION
CHANGES in BUOYAGE
Mariners are advised that authorized aids to navigation are being changed to conform to maritime standards of the International Association of Lighthouse Authorities Maritime Buoyage System, Region B. Significant changes are: black port hand buoys to green; black and white vertically striped buoys to red and white vertically striped buoys; and lateral lights from white to red or green as appropriate. Changes to aids to navigation will be announced in the Defense Mapping Agency Hydrographic/Topographic Center weekly Notice to Mariners and the U.S. Coast Guard Local Notice to Mariners.

Formerly C&GS 8554, 1st Ed., Sept. 1912

Nautical Chart Catalog No. 3, Panels H, I, J, K, N

RADAR REFLECTORS

Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

POLLUTION REPORTS

Report all spills of oil and hazardous substances to the National Response Center via 800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

SUPPLEMENTAL INFORMATION

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

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

Aids to Navigation (lights are white unless otherwise indicated):
AERO aeronautical; Al alternating; B black; Bn beacon; C can; DIA diaphone; Ec ec equal interval (ISO); F fixed; Fl flashing; G green; Gp group; IQa interrupted quick; Iso isophase (E Int); LtHo lighthouse; M nautical mile; m minutes; Micro Tr microwave tower; Mkr marker; Mo morse-code; N nun; OBSC obscured; Occ occulting; Or orange; Qk quick; R red; Re Ref radar reflector; R Bn radiobeacon; R Tr radio tower; Rot rotating; sec seconds; SEC sector; St M statute miles; W white; WHIS whistle; Y yellow

Bottom characteristics:
bk black; blds boulders; brk broken; Co coral; G gravel; Grs grass; hrd hard; M mud; Oys oysters; Pb rock; S sand; sft soft; Sh shells; stk sticky

Miscellaneous:
AUTH authorized; ED existence doubtful; Obstr obstruction; PA position approximate; PD position doubtful; Rep reported; Wreck, rock, obstruction, or shoal swept clear to the depth indicated; Rocks that cover and uncover, with heights in feet above datum of soundings; Subm submerged

HEIGHTS

Heights in feet above Mean High Water.

AUTHORITIES

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

CAUTION

Temporary defects in aids to navigation are not indicated on this chart except where a buoy replaces a fixed aid. See Notice to Mariners.

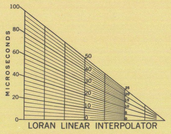
CAUTION

Only marine radiobeacons have been calibrated for surface use. Limitations on the use of certain other radio signals as aids to marine navigation can be found in the U.S. Coast Guard Light Lists and Defense Mapping Agency Hydrographic/Topographic Center Publication 117 (A & B).
Radio direction-finder bearings to commercial broadcasting stations are subject to error and should be used with caution.
Station positions are shown thus:
⊙(Accurate location) ⊙(Approximate location)

CAUTION

Significant changes in depths and shoreline have occurred in the area of this chart as a result of the earthquake of March 27, 1964. Tidal observations since the earthquake indicate bottom subsidence of −5.4 feet at Homer, and −3.7 feet at Seldovia. Mariners are urged to use extreme caution when navigating in the area of this chart as the magnitude of change except at these sites is not known.

LORAN LINEAR INTERPOLATOR



NOTE B

Mariners are encouraged to use extreme CAUTION when approaching Kachemak Bay on a south or central course due to extreme heavy concentration of fixed crab fishing gear and fishing vessels. Vessel transits to and from Homer not more than two miles seaward from the 10 fathom curve from Anchor Point to Bluff Point should clear the fixed gear.

CAUTION

Submerged Pipelines and Cables

Uncharted submerged pipelines and cables may exist in the vicinity of oil well structures, and between such structures and the shoreline. Mariners should use caution when anchoring.

Covered wells may be marked by lighted or unlighted buoys.

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.

UNITED STATES
ALASKA - SOUTH COAST

COOK INLET

SOUTHERN PART

Mercator Projection
Scale 1:200,000 at Lat. 60°00′

North American 1927 Datum

SOUNDINGS IN FATHOMS
AT MEAN LOWER LOW WATER

TUXEDNI BAY

Shoaling to depths as much as 3 fathoms less than charted has been reported in Tuxedni Bay west of Long. 152°40′W with the upper reaches of the bay reported to be nearly bare at M.L.L.W. Oct. 1966

LORAN-C
GENERAL EXPLANATION

LORAN-C FREQUENCY ..... 100kHz.
PULSE REPETITION INTERVAL
7960 ..... 79,600 Microseconds
9990 ..... 99,900 Microseconds
STATION TYPE DESIGNATORS: (Not individual station letter designators).
M ..... Master
W ..... Secondary
X ..... Secondary
Y ..... Secondary
Z ..... Secondary
EXAMPLE: 7960-X

RATES ON THIS CHART

7960-X 7960-Y
9990-Y 9990-Z

The Loran-C lines of position presented 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.

TUXEDNI BAY

The shifting of rocks and the possibility of uncharted rocks may exist in Tuxedni Bay west of longitude 152°40′W. The mariner should use caution when navigating in this area.

NOAA VHF-FM WEATHER BROADCASTS

The National Weather Service stations listed below provide continuous marine weather broadcasts. The range of reception is variable, but for most stations is usually 20 to 40 miles from the antenna site.

Homer WXJ-24 162.40 MHz

LOCAL MAGNETIC DISTURBANCE

Differences of as much as 3° from the normal variation have been observed in Iniskin Bay and Iliamna Bay.

COLREGS, 80.1705 (see note A)

International Regulations for Preventing Collisions at Sea, 1972.
The entire area of this chart falls seaward of the COLREGS Demarcation Line.

LOCAL MAGNETIC DISTURBANCE (see note)

NOTE A

Navigation regulations are published in Chapter 2, U.S. Coast Pilot 9, or weekly Notice to Mariners which include new or revised regulations. Information concerning the regulations may be obtained at the Office of the District Engineer, Corps of Engineers in Anchorage, Alaska.
Anchorage regulations may be obtained at the Office of the Commander, 17th Coast Guard District in Juneau, Alaska.
Refer to section numbers shown with area designation.

NOTE X

TERRITORIAL SEA AND CONTIGUOUS ZONE

The lines delimiting the territorial sea and contiguous zone represent an interdepartmental committee's interpretation of legal principles as applied to geographical information. The lines are subject to revision when required by correction of the geographic information shown or by reinterpretation of the legal principles involved. Where differences occur between adjacent or overlapping charts, the lines shown on the most recent chart issue take precedence.

NINILCHIK HARBOR

Scale 1: 5,000 at Lat. 60°03′
SOUNDINGS in FEET
AT MEAN LOWER LOW WATER

CUPOLA
Rock

Ninilchik Boat Basin

The entrance channel is 9 feet above MLLW. The project depth is 2 feet above MLLW in the boat basin. Consult the Corps of Engineers for controlling depths.

CAUTION

Float anchored with eight mooring chains.

Ninilchik Channel
Use only with local knowledge

TIDAL INFORMATION

Place (Lat/Long)	Mean Higher High Water	Mean High Water	Mean Tide Level	Mean Lower Low Water	Extreme Low Water
	Height above datum of soundings (MLLW)				
	feet	feet	feet	feet	feet
Ninilchik (60°03′N/151°40′W)	19.1	18.4	10.0	0.0	−6.0
Seldovia (59°26′N/151°43′W)	17.8	17.0	9.3	0.0	−6.6
Nonbyla I., Kamishak Bay (59°11′N/154°05′W)	15.2	14.4	8.0	0.0	−5.0

AIDS TO NAVIGATION

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

CAUTION

This chart has been corrected from the Notice to Mariners published weekly by the Defense Mapping Agency Hydrographic /Topographic 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.

This nautical chart has been designed to promote safe navigation. The National Ocean Survey encourages users to submit corrections, additions, or comments for improving this chart to the Director, National Ocean Survey, NOAA, Rockville, Maryland 20852.

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

SOUNDINGS IN FATHOMS

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16640
LORAN-C OVERPRINTED

(Cook Inlet-Southern Part)
SOUNDINGS IN FATHOMS - SCALE 1:200,000

16640
LORAN-C OVERPRINTED
LITIGATION/COPY

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