

## LORAN STATION SITE SURVEY

SPRUCE CAPE, KODIAK, ALASKA – MAY 25 to JUNE 4, 1950

### ANTENNA LOCATION:

(a) Locality: Spruce Cape, East end of Kodiak Island, about 4 statute miles from the City of Kodiak.

(b) Geographic Position of Antenna: Latitude  $57^{\circ}-49'-26.81''$ N., Longitude  $152^{\circ}-19'-33.67''$ W., and 739.30 feet,  $299^{\circ}-22'-57''$  from the position of C&GS Station "Last, 2". The brass disk marking this station has been reported missing by the C&GS when visited in 1943. At the time of this site survey, the reference mark was also missing. However, the description of the station was very accurate and the drill hole in which the station's reference mark had been cemented was found. Using the drill hole as the position of the reference mark, a Coast Guard 3-1/2" diameter brass survey mark, stamped "REV-1950" was set in a concrete pier, flush with the ground in the position of Last-2. After setting REV-1950, angles were observed with a transit by the method of repetition from this station between C&GS stations SPRUCE and HANIN ROCK LIGHT and found to agree with the C&GS angles within a few seconds of arc. The position of REV-1950 is believed to coincide with of that Last-2.

(c) Antenna Location Mark and References: The antenna location is marked by a 3-1/2" diameter brass disk stamped "Survey Marker, U. S. Coast Guard, and extending about 3 feet below the ground. LORAN-1950 is located 739.30 feet  $299^{\circ}-22'-57''$  from REV-1950, and 725.90 feet,  $190^{\circ}-40'-57''$  from TEX-1950, which is also a 3-1/2" brass disk set in concrete pier similar to REV-1950. The locations of all survey markers are shown on Drawing 606, enclosed.