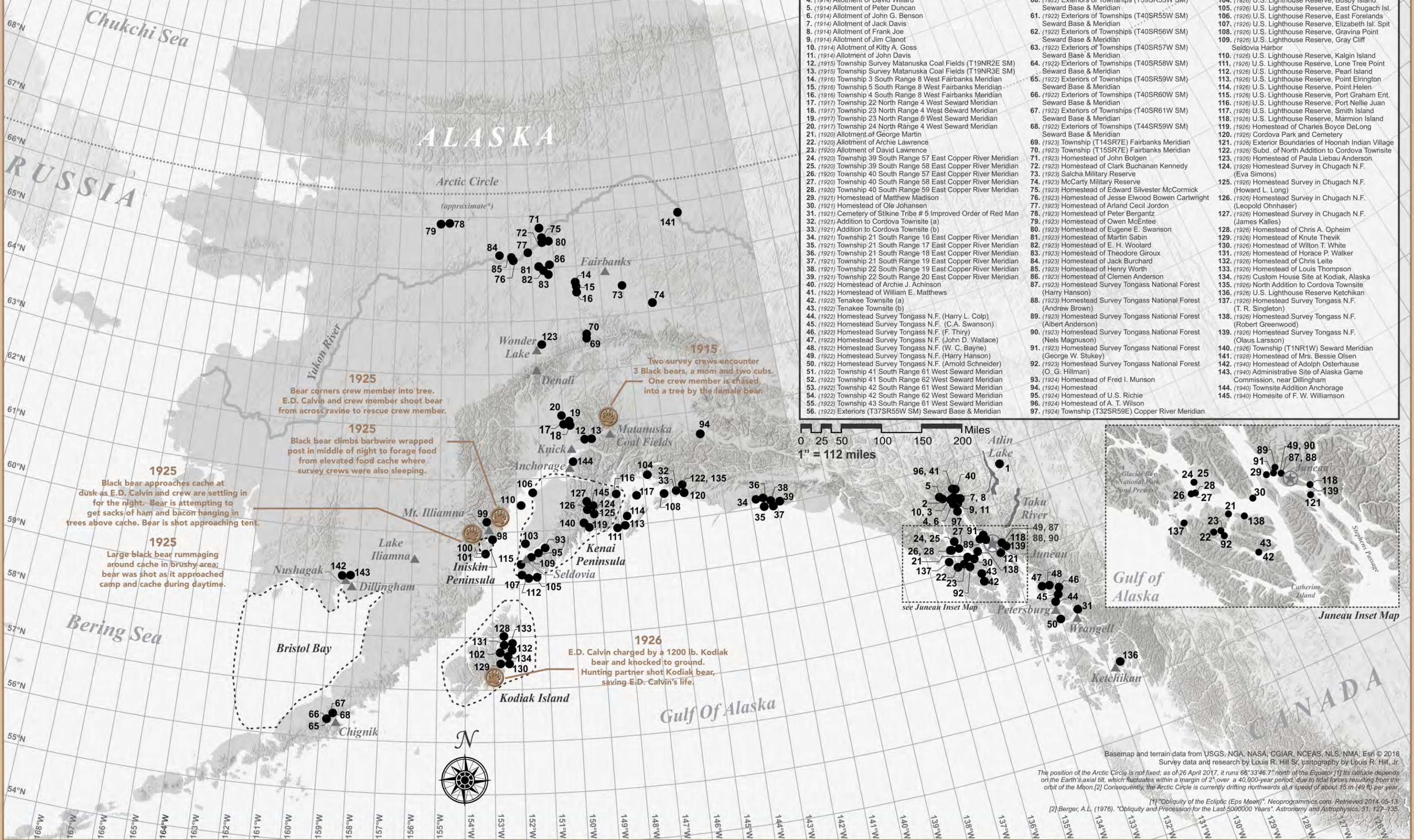


The Surveys of E.D. Calvin in the Territory of Alaska (1914-1940)

How my great-grandfather helped Alaska become a state, and avoided being killed by bears

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1925
Bear corners crew member into tree. E.D. Calvin and crew member shoot bear from across ravine to rescue crew member.

1925
Black bear climbs barbwire wrapped post in middle of night to forage food from elevated food cache where survey crews were also sleeping.

1925
Black bear approaches cache at dusk as E.D. Calvin and crew are settling in for the night. Bear is attempting to get sacks of ham and bacon hanging in trees above cache. Bear is shot approaching tent.

1925
Large black bear rummaging around cache in brushy area; bear was shot as it approached camp and cache during daytime.

1915
Two survey crews encounter 3 Black bears, a mom and two cubs. One crew member is chased into a tree by the female bear.

1926
E.D. Calvin charged by a 1200 lb. Kodiak bear and knocked to ground. Hunting partner shot Kodiak bear, saving E.D. Calvin's life.

Basemap and terrain data from USGS, NGA, NASA, CGIAR, NCEAS, NLS, NMA, Esri © 2018
 Survey data and research by Louis R. Hill Sr, cartography by Louis R. Hill, Jr.
 The position of the Arctic Circle is not fixed; as of 26 April 2017, it runs 66°33'46.7" north of the Equator. [1] Its latitude depends on the Earth's axial tilt, which fluctuates within a margin of 2° over a 40,000-year period, due to tidal forces resulting from the orbit of the Moon. [2] Consequently, the Arctic Circle is currently drifting northwards at a speed of about 15 m (49 ft) per year.
 [1] "Obliquity of the Ecliptic (Eps Mean)". Neoprogrammics.com. Retrieved 2014-05-13.
 [2] Berger, A.L. (1976). "Obliquity and Precession for the Last 5000000 Years". Astronomy and Astrophysics, 51: 127-135.