TERRITORY OF ALASKA
DEPARTMENT OF MINES
BOX 1391
JUNEAU, ALASKA

PE-115-06

PROPERTY EXAMINATION REPORT

HEINER GOLD PROSPECT, WINDHAM BAY Alt 115-14 115-32

James A. Williams
March 1955

By request of Larry Heiner, Petersburg, Phil R. Holdsworth and the undersigned made a brief examination of a lode gold prospect located by him on the south fork of Center Creek, tributary to Spruce Creek, tributary to Windham Bay on August 10, 1954. The prospect is in the Sumdum Quadrangle at approximate geographical coordinates of 133°18' W longitude and 57°36' N latitude. The situation is approximately as shown in the accompanying sketch map and the elevation is 1150 feet. A good trail leads to the prospect from the beach.

U. S. Mineral Survey No. 577, a tracing of which is included with this report, covers a considerable portion of Center Creek and may possibly include the Heiner prospect. If so, title to the Heiner prospect is in question. Insufficient reconnaissance was made to determine the exact location of the prospect on the creek.

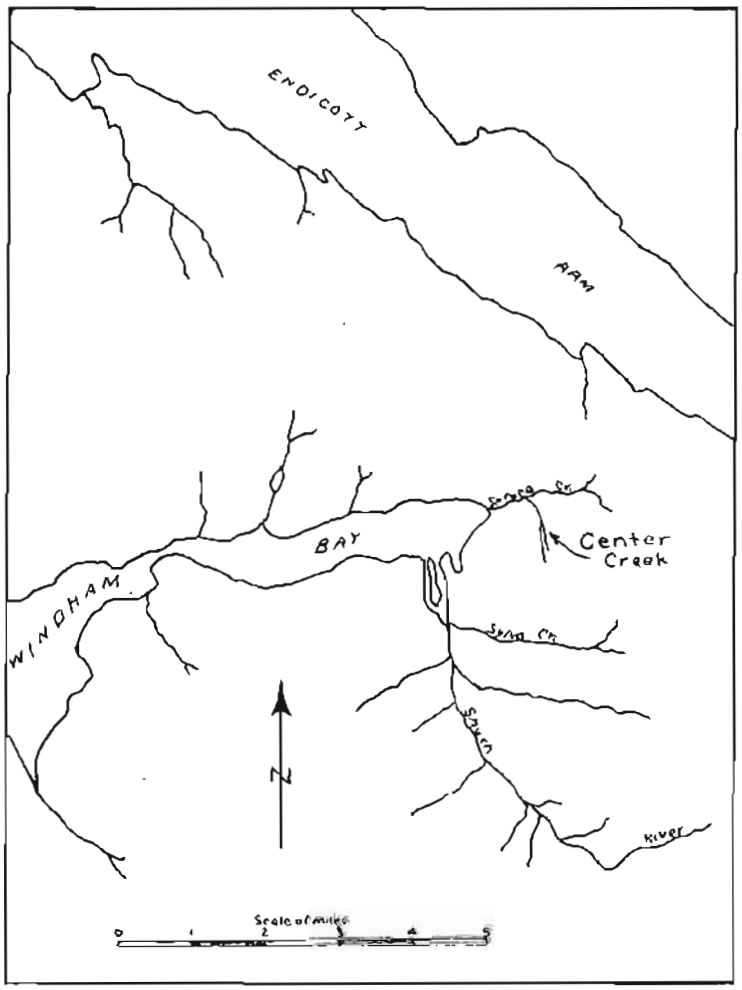
The prospect consists chiefly of a 3- to 5-inch quartz stringer striking and dipping the same as the country rock, which is schist of various grades and varieties. The general strike is N20W and the dip is 60° to the west. The vein is exposed in a deep cut caused by erosion of the south fork of Center Creek, and many other small, but not so consistent,

stringers are also exposed nearby, some of them in the bed of the creek itself. The main vein and other stringers are shown in the included photographs. Since the creek follows the strike of the stringers and schist, it appears that this is a shear zone, or zone of weakness that the mineralization has followed, particularly as the creek runs mostly across the general slope of the mountainside rather than down the slope toward Windham Bay. At the same time, however, the gradient of Center Creek is quite steep. Normally, little water flows in the fork on which the prospect is located.

Assays of samples submitted by Heiner have shown that the quartz stringer is quite rich in gold. Heiner and his son, Lonnie, have taken many samples from the vein showing visible gold in considerable amounts. They also saved gold on the property by hand crushing and putting small amounts of ore through a diminutive sluicebox. However, it was apparent on examination of the vein that in spite of its high values, it was not practical to consider the possibility of obtaining an economical tonnage because of its narrow width. Three samples were taken across a total width of 13 feet of wallrock to determine if the wallrock might carry sufficient values to create a commercially interesting width. The samples were PRH-54-25, -26, and -27. None assayed more than 0.01 oz gold and a trace of silver. As a result, it appears that the gold quartz vein under consideration has little in its favor as an economical mining possibility.

James A. Williams

James A. Williams
Associate Mining Engineer



CENTER CREEK VICINITY MAP

Traced from USGS Bull. 287, Fig. 3.
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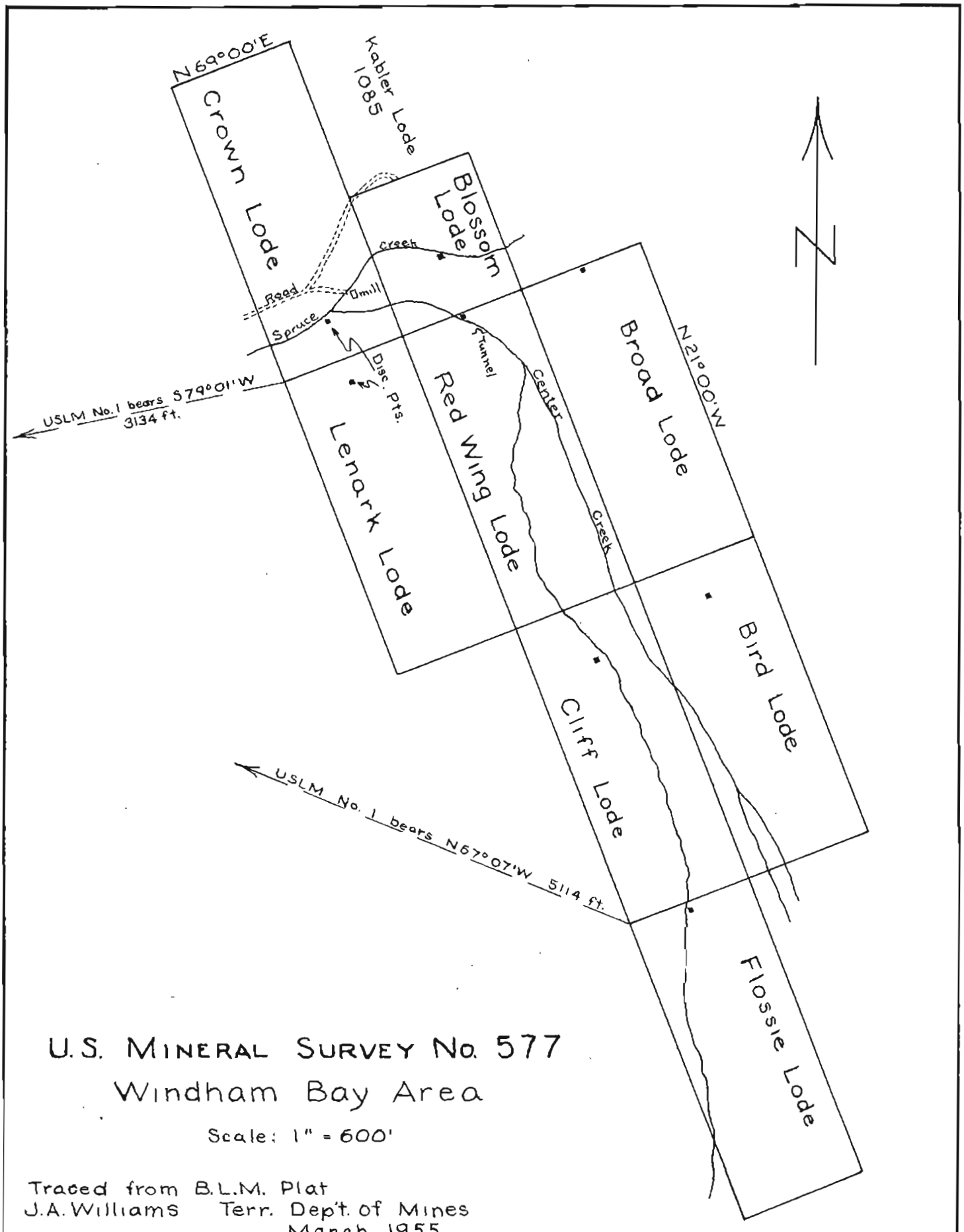
Figure 1. Vein can be seen running vertically in center of photo. Channel samples of wallrock were taken from left to right in succession starting about where the two sticks can be seen at the far left.

Figure 2. Portions of same vein looking overhead from approximately same place as from where Figure 1 was taken. Most of the vein has been "peeled" from the wallrock here, leaving small remnants.

Figure 3. Showing numerous small stringers in creek bed.



U.S. Mineral Survey No. 577

Windham Bay Area

Scale: 1" = 600'

Traced from B.L.M. Plat
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