

TERRITORY OF ALASKA  
DEPARTMENT OF MINES  
BOX 1391  
JUNEAU, ALASKA

## PROPERTY EXAMINATION REPORT

CONFIDENTIAL

KX 112-107  
108

JOHNNY BOY AND WHITE GROUPS, JUNEAU QUADRANGLE, COPPER

James A. Williams  
November 1956

The Johnny Boy and White Groups were staked recently on some copper showings between Excursion Inlet and Icy Passage. Upon request of the property holders, Phil R. Holdsworth, Commissioner of Mines, and the undersigned made a brief examination of the property on August 10, 1956. The property holders wish all information on the claims kept confidential, except with respect to certain possible purchasers, until some future date. The copper showings seen are rather widely scattered, small, and spotty. The mineral is chalcopyrite. Further geological investigation may give clues for more exploration work.

The property consists of the claims Johnny Boy No's. 1, 2, and 3, and White No's. 1 through 4. The owners are Howard Hayes, Joe Smith, Robert Boochever, and Ed Sarabia of Juneau; Joe White, Shorty Wilson, and Leonard Davis of Hoonah, and Joe Milligan of Los Angeles. The location is on the top of the peninsula, at 2550 to 2850 feet elevation, between Excursion Inlet and Icy Passage as shown by the attached vicinity map. The geographical coordinates of the center of the prospect area are  $135^{\circ}33'$  W longitude and  $58^{\circ}27.5'$  N latitude.

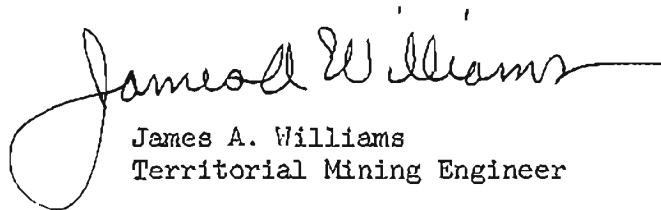
The prospect was discovered in the early part of the century and it is likely that what development work has been done was performed no later than the First World War. For many years its location has been known only to some local Natives, though the Department has heard rumors of it for several years. No mention of the prospect is made in any USGS publication.

The examination was made on a day when the clouds hung low and the ridge top was enveloped in them. Because of this, very little could be seen at one time so that the overall picture or structural pattern could not be worked out. Another thing that hindered the drawing of conclusions to quite an extent was the scarcity of mineralized outcrops. The country rock in the vicinity of the property leans toward limey material, and definite bedding could be seen at infrequent intervals. The dip and strike of this bedding varies, but it strikes generally in a north-south direction. Varying degrees of metamorphism were noted, but none were intense. The best showing is on Johnny Boy #1 claim where a poorly defined structure of about 15 feet in width has been exposed by digging. Here there is sporadic copper in what might be called the country rock within the structure, and good copper specimens have been taken from a pair of small gouge zones. These zones are spotty and irregular, and give the impression that there is not likely to be any depth or lateral extent to them. The rock within the showing appears to be a lime shale breccia impregnated with irregular white streaks of limestone. The strike of this structure is N 25° E and the dip is vertical. The country

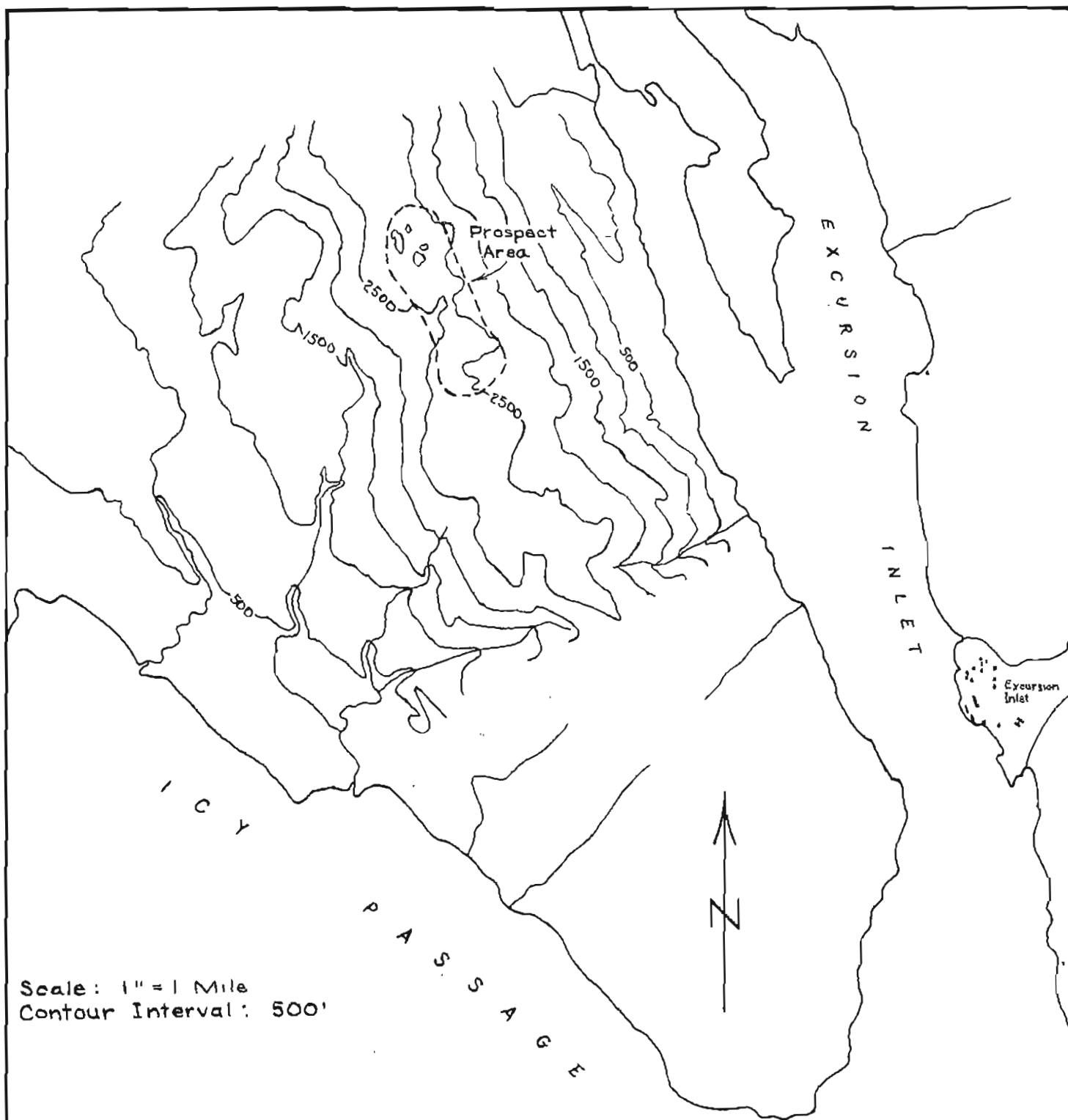
rock on either side of the showing appeared at first to be a fine-grained volcanic, but later proved to have a lime content, and is tentatively classified as a very impure limestone. Samples were not taken as it would have required considerable excavating to shape up the showing so that representative samples could be cut. The mineralization is chiefly chalcopyrite. Other showings were examined, but were not sufficiently encouraging to warrant sampling or describing.

Some granite float in the form of boulders was found that might indicate some igneous activity in the vicinity. If conclusive evidence of a nearby igneous contact could be found, it would make the property appear more favorable.

The owners are advised to have further investigations made of the property by other competent geologists. A rather careful mapping of the structures may well give clues as to the best locations and methods of possible future exploration work. Many of the better productive copper deposits have been found on the plunging flanks of anticlines, and this would be one of the features to watch for in a structural study of the property. Until such a study can be made, work beyond that necessary to hold the claims is not recommended.

  
James A. Williams  
Territorial Mining Engineer

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**EXCURSION INLET VICINITY MAP**

showing location of  
 Johnny Boy and White Groups  
 Adapted from USGS Juneau B-5 Quad.