

PRELIMINARY REPORT ON PETERSON-WIXON-ARWICK GROUP,
BEAR LAKE, CLEVELAND PENINSULA,
June 9, 1936.

Location:

This group of eight lode and one placer claims is located along and extending back from the north shore of Bear Lake on Cleveland Peninsula. Bear Lake is located five miles southeast of the head of Union Bay and approximately four miles northwest of the head of Helm Bay. The property is reached by trail nearly seven miles in length starting at the head of Union Bay and following along Bear Creek. The discovery of gold along the shores of this lake led to the finding of the quartz veins on the mountainside. These were discovered five years ago by Geo. Arwick. Two years ago the property was staked and is now owned by Geo. Arwick, Mr. Wixon and Mr. Peterson of Myers Chuck.

Showings:

The showings consist of three parallel stringer zones on the mountainside above the lake. These zones strike a few degrees east of north and extend from a band of clay slates on the west across a greenstone belt (much the same character as found in the Helm Bay section) 2,000 feet wide into another belt of clay slates. The strike of this greenstone belt is N. 45° W.

No. 1 zone is located on the Monte Carlo claim at an elevation of 1280'. The best showings are near the center of the claim where 20 quartz stringers are exposed across a 30' width. These stringers vary in width from 1 inch to 1 foot. They have irregular dips to the west and contain small bunches of sulphides which upon weathering show numerous particles of gold. The quartz is drusy with vugs and has a slight banded structure.

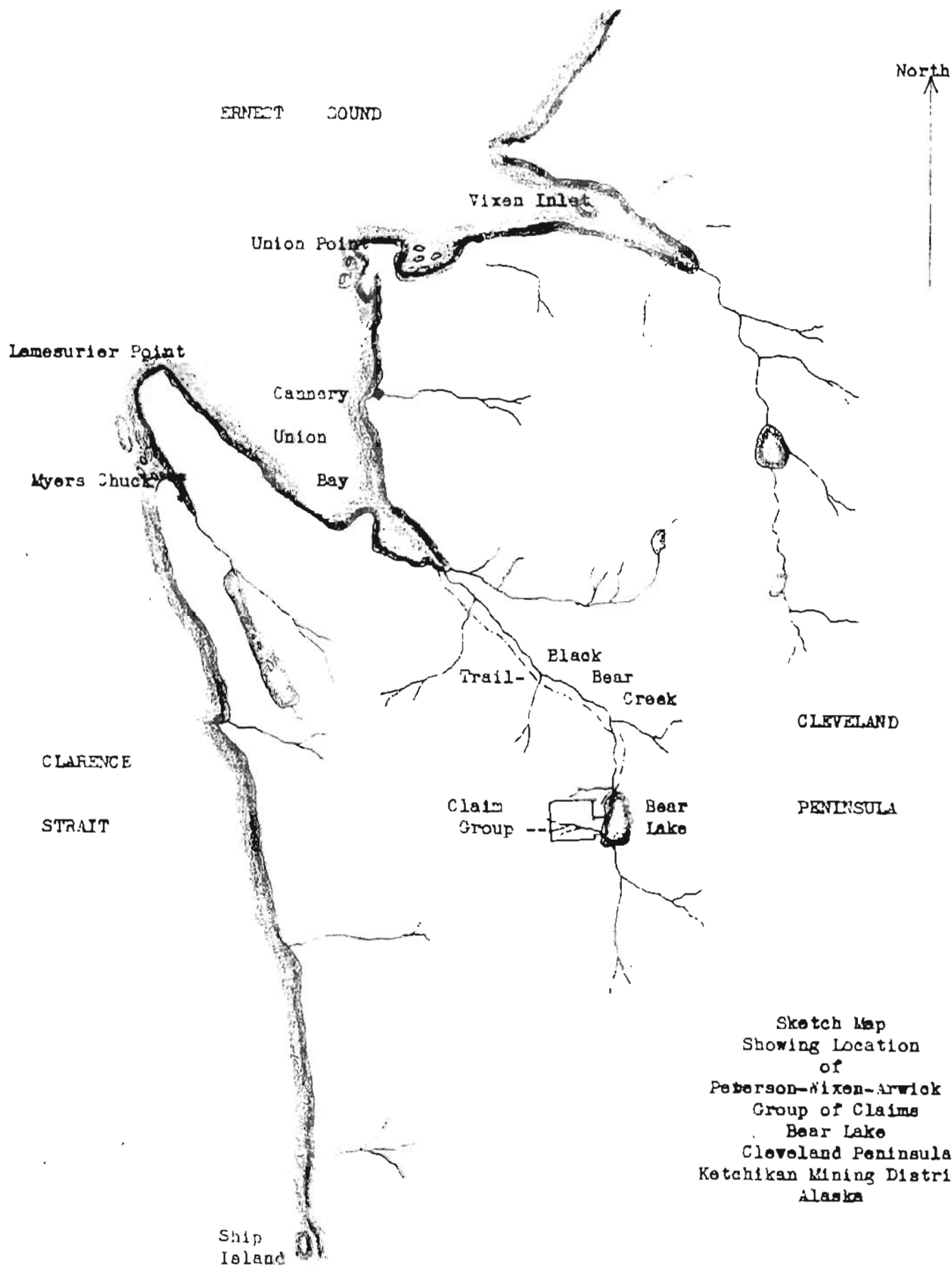
No. 2 zone is located on the Monte Cristo claim, El. 1460'. The best showings are located along a canyon of a small creek near the center of the claim. Here this zone crosses the contact of the clay slates and greenstone, and numerous quartz stringers ranging from a few inches to two feet are contained in a series of curved fractures cutting across the contact. The veins are tight in the greenstone and loose in the slates. These are well mineralized at the contact and contain considerable fine gold.

No. 3 zone is located near the center of the Eureka claim at an elevation of 1900'. The exposure in a canyon shows 40 quartz stringers from one inch to one foot in width, exposed across a distance of 200 feet. These are in dense greenstone lying rather flat and somewhat irregular. The quartz is banded and shows a bluish fine mineralization. Some high assays were reported from these veins.

These zones have not been prospected or developed sufficiently to determine their importance. Practically no work has been done.

Machinery:

The owners have on the property a 4 to 8 ton Gibson prospecting unit which consists of Gibson mill, 6x6" Straub crusher, and 5 $\frac{1}{2}$ x2 $\frac{1}{2}$ ' concentrating table. This is to be operated by water power furnished by a small creek down the mountainside. The mill building is 14'x37' and it is located 500' back from the lake. Plenty of good spruce timber is available in the surrounding country. It is the plan of the owners to operate the mill this season by picking out the quartz from the stringers and lowering to the mill with a small gravity tram.



Sketch Map
 Showing Location
 of
 Peterson-Nixon-Arwick
 Group of Claims
 Bear Lake
 Cleveland Peninsula
 Ketchikan Mining District
 Alaska

Scale 1" = 2 Miles (Approximately)