

TERRITORY OF ALASKA
DEPARTMENT OF MINES
BOX 1391
JUNEAU, ALASKA

February 1954

CONFIDENTIAL

PROPERTY EXAMINATION REPORT

on

MAID OF MEXICO PROPERTY, PETERSBURG DISTRICT

by

James A. Williams

At the request of Laurence R. Heiner of Petersburg an examination was made of the Maid of Mexico gold lode property in company with Arthur E. Clover, Department Assayer, on January 20, 1953. The examination was quite brief. Nine samples were taken. The conclusion was reached that the values in the Maid of Mexico, while rich in places, are probably too spotty for a profitable mining operation of that property alone. Also, a rather limited tonnage may be expected because of little back. Other closely adjacent properties appear from assay records to be sufficiently favorable that a combined operation with a central milling plant could possibly succeed.

The property is located on Woewodski Island as shown on Plate I. The island is relatively small and low and is located at the southern end of Wrangell Narrows. It is in the Petersburg Quadrangle at geographical coordinates of $56^{\circ}34'$ N. latitude and $133^{\circ}02\frac{1}{2}'$ W longitude. Petersburg lies 18 airline miles to the north and the running time from there by small boat to the west side of the island is three hours. The workings are $1\frac{3}{4}$ miles from the beach at the northwest end of the island by a good foot trail, which starts at the Olympic Mining Company property.

Title to the property is presently held by Laurence R. and Lola T. Heiner under a contract with the former owners, Earl and David Ohmer, also of Petersburg. The contract has a provision for royalty payments from production to the Ohmers and a very lenient performance clause under which the title reverts to the former owners if the work is not done. Details of this report, the contract, and property assay values are requested by all parties to the contract to be kept confidential unless a possible deal for the property is in sight, in which case clearance should first be obtained with both the Heiners and Ohmers. Heiner has been since attempting to acquire the neighboring properties. It is reported that the Hattie Property (Spreckle) has been obtained from Virginia Colp.

The country rock of the vicinity is greenstone and slates, some greenstone schist, and locally there is dolomite or argillite. The vein is quartz containing sulfides (some galena and sphalerite included) and

free gold. A fair amount of graphitic schist is closely associated. Where checked underground, the strike is east-west and the dip is 65° to the south. The mineralized width appears to vary from 2 to 7 feet, which often includes altered wall rock.

The underground workings consist of 130 feet of crosscut from the portal to the vein and 260 feet of drift on the vein. Raises and a winze are as shown on Plate II. The winze was full of water. Locations of samples taken are also shown on Plate II and are tabulated as follows:

<u>Sample No.</u>	<u>Length</u>	<u>Sampled</u>	<u>Gold</u>	<u>Silver</u>	<u>\$/ton</u>	<u>Lead</u>	<u>Zinc</u>
JW53-2	2"	H.W. side	0.04	Tr	1.40	0.40	0.30
JW53-3	Grab	H.W.	Tr	Tr	-	0.20	0.30
JW53-4	31"	Vein	0.06	Tr	2.10		
JW53-5	14"	Vein	Nil	Tr			
JW53-6	22"	H.W. side	Tr	Tr			
JW53-7	22.5"	F.W. side	0.02	Tr			
JW53-8	3"	Stringer	0.47	Tr	16.45		
JW53-9	2"	Stringer	0.64	Tr	22.40	0.68	0.77
JW53-10	Grab	Dike	Nil	Tr			

Samples JW53-2, 3, and 4 are across the full width of the vein in one channel, and were taken within a few inches of where Mr. Heiner obtained a \$98.00 sample previously. This illustrates the spottiness of the mineralization. Samples 6 and 7 are of one continuous channel also. Sample 10 was of a small dark brown dike in the argillite in the crosscut for a check on its possibilities.

In the Juneau office map files, there are two copies each of seven maps of properties on Woewodski Island drawn by Martin W. Jasper as a result of private work done there for a Canadian concern in the thirties. These maps show considerable sample data and were obtained on a confidential basis to be shown only under the conditions as mentioned earlier in the report. Their approximate titles and dates are as follows:

"Assay Plan of the Maid of Mexico Group", August 16, 1933.

"Assay Plan of the Maid of Mexico Group", June 5, 1935.

"Property of the Olympic Mining Company", February 27, 1935.

"Plan, Maid of Mexico Group", August 15, 1933.

"Sketch Map of Mineral Claim Locations in NW Section of Woewodski", August 14, 1933.

"Sketch Map of Woewodski Showing Mineral Claim Locations", February 13, 1935.

"Sketch Map of Hattie Area", April 19, 1935.

The sampling that has been done in the Maid of Mexico winze shows the values to decrease with depth. Also there is not more than perhaps 200 feet of back over the drift, so tonnage above the present drift will not be great on this property. Values vary greatly.

As stated earlier, the main hope of a profitable operation would be in mining all or several of the properties together. The Ideal Group, located between Harvey and Gut Lakes, has some impressive widths and has not been sampled very extensively. Some drilling here might prove worthwhile. The Hattie Group is considered to still have possibilities. Some very good values are reported to have been found near the beach.

If an exploration and mining program be started on Woewodski, the dollars could be stretched the farthest by exploiting the beach showings first. A few hundred tons from there would help finance the more extensive mining on the properties in from the beach. All surface outcrops should be well developed for sampling, and a close assay control would have to be maintained during mining operations.

James A. Williams
Associate Mining Engineer

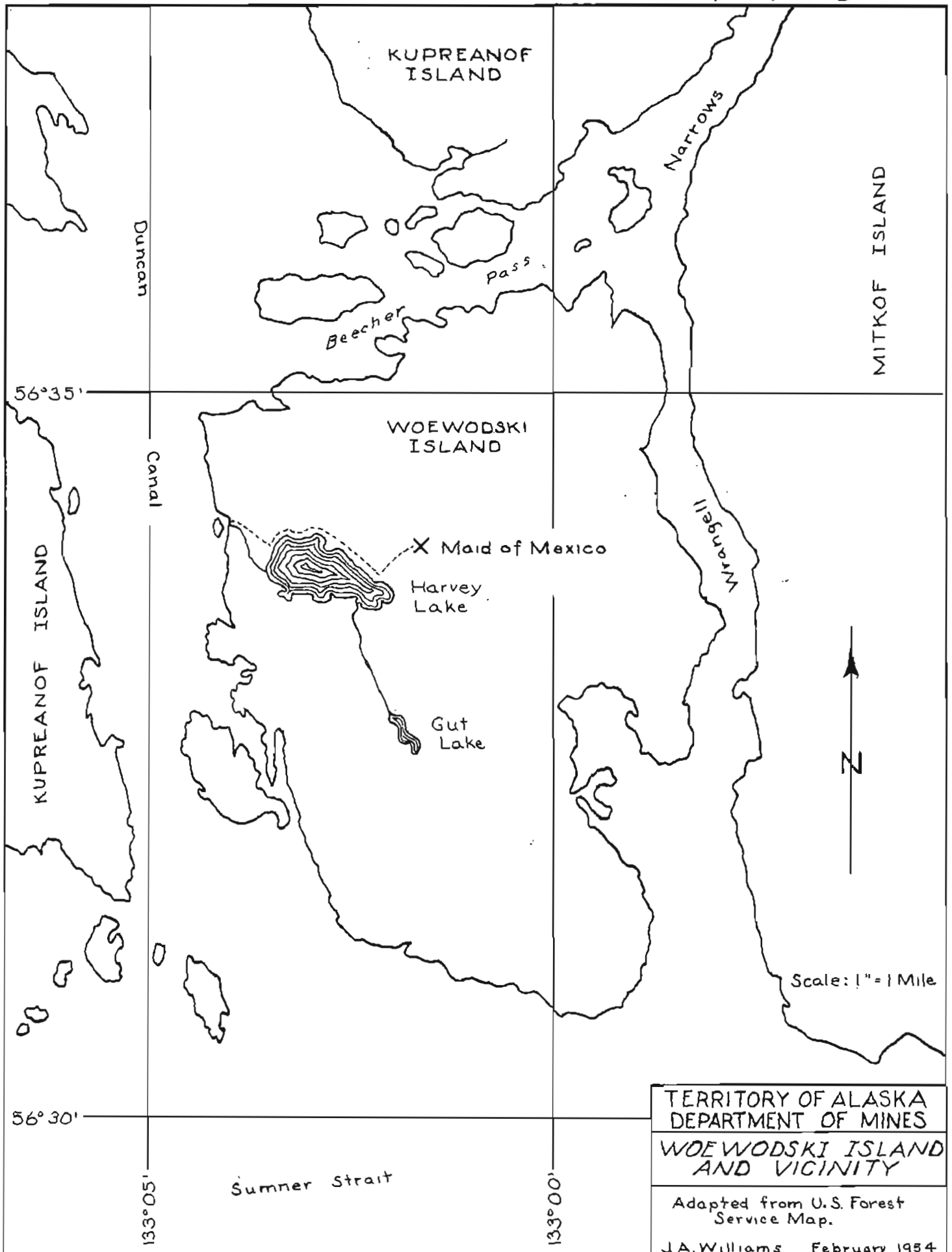


Plate I.