

MR-086-D2

TERRITORY OF ALASKA  
DEPARTMENT OF MINES  
JUNEAU, ALASKA

MR 8612

THE TIEKEL DISTRICT

Valdez Precinct

By J. G. Shepard,  
August 1926

The country known as the Tiekel district is situated about 50 miles northeast of Valdez in the Valdez precinct. It is best reached by the government road from Valdez to Tiekel Road House, a central point from which any point in the district may be most handily approached. This district embraces a strip of about 20 miles long by 10 miles wide.

Country rock consists of slates and graywackes similar to the Valdez group. These rocks are cut by persistent dikes, both large and small, of light colored diorite porphyry. Many quartz veins mostly of narrow widths exist in all parts of the district. Some of these veins have been developed to a limited extent but no bodies of ore of a commercial grade have yet been proved.

Several pockets of high grade surface ore have been found and free gold may be detected in a number of veins throughout the region. A small amount of placer gold has been extracted from the stream beds. The quartz veins which give the most promise of containing commercial orebodies are mineralized with galena, arsenopyrite and free gold. The veins are of a type which give promise of containing small rich oreshoots which will only be found, if at all, by a relatively large amount of development work.

TERRITORY OF ALASKA  
DEPARTMENT OF MINES  
JUNEAU, ALASKA

THE KNOWLES PROSPECT  
MILL CREEK - TIEKEL DISTRICT

Valdez Precinct

August 1926  
by J. G. Shepard

The Knowles Prospect is situated in the upper Mill Creek Basin. Mill Creek is a tributary of Stewart River heading in the pass which connects it with the Boulder Creek Basin. The property is most easily reached by traversing the horse trail from Tiekel road house to Ellis prospect, thence across the pass and down Mill Creek, a distance of  $2\frac{1}{2}$  miles to a well equipped dwelling which was erected by Mike Knowles.

Country rock is the prevailing slate and graywacke of the district, cut by diorite porphyry dikes. Five quartz veins are known to occur on the property. These veins vary from 1 foot to 30 inches in width. Development work consists of opencuts on the veins. Free gold was observed at two of the showings. There is no timber on the property. There is sufficient water for ordinary purposes.

TERRITORY OF ALASKA  
DEPARTMENT OF MINES  
JUNEAU, ALASKA

THE HURTLE CREEK MINING COMPANY  
Hurtle Creek-Tielcel District  
Valdez Precinct

August 1926  
by J. G. Shepard

The property of the Hurtle Creek Mining Company, formerly known as the Quail Group, is situated on the main fork of the Hurtle Creek about four miles from the south end of Tonsina Lake. It is most easily reached by traversing a horse trail which leaves the Richardson Highway at Mile 55, crosses a flat divide between Quartz and Hurtle Creeks, follows down the east branch of Hurtle Creek to the forks and then trends south to the property. The trail leads directly to a dwelling, the only one on the Hurtle Creek valley.

Country rock is slate and graywacke cut by diorite porphyry dikes. Eight quartz veins have been exposed in opencuts over a range of one mile in length by 1,000 feet in width. They are quartz filled fissures occupying fracture zones in the slate. The principal work has been done on the two most northerly exposures. The cap rock of these exposures contains massive galena, arsenopyrite and some free gold.

An arrastre was built at the main showing but operation was not successful and only two tons of ore was treated. It is reported that \$90.00 in gold was recovered from this operation. The arrastre has since been demolished.

There is no timber on the ground, the elevation being about 4,000 feet. Sufficient water is available for ordinary purposes.

Assessment work only was in progress during the summer of 1926 by Chas. Wetzler of Valdez, who controls the property.

TERRITORY OF ALASKA  
DEPARTMENT OF MINES  
JUNEAU, ALASKA

THE ELLIS PROSPECT  
BOULDER CREEK - TIEKEL DISTRICT  
Valdez Precinct

August 1926  
by J. G. Shepard

The Ellis prospect, formerly known as the Meckem property, is situated on the main fork of Boulder Creek, about 5 miles by horse trail from the Tiekel road house. It is located near the head of the pass which leads to Mill Creek. The property is situated well above timber line but possesses sufficient water for ordinary purposes.

Country rock is the usual formation of the district consisting of graywacke and slate cut by diorite porphyry dikes. Several quartz veins occur upon the property.

Two veins have been developed to a limited extent. The upper vein is a quartz filled fissure containing one foot of quartz and two feet of slate-quartz breccia. A drift 20 feet long was driven on it. The ore taken from it was milled in an arrastre and it is estimated by the owner that about 3,000 dollars was recovered. Subsequent to this operation the arrastre was demolished by snow and water.

A short distance east of the forementioned vein a crosscut tunnel 75 feet long was driven to intersect a quartz vein which shows a surface width of 4 feet. This vein was cut at a depth not to exceed 7 feet below the surface. A drift 35 feet long was then driven in a southeasterly direction. This vein trends toward a large quartz blowout of the "Bull" type which would be reached by extending the drift about 200 feet.

Only assessment work has been done on the ground during the past two years. During the summer of 1926 H. E. Ellis, the owner, was engaged in hauling lumber from Tiekel road house to the prospect for the purpose of erecting a dwelling on the property.

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AAE Valdez

THE TIEKEL DISTRICT

- Valdez Precinct -

By J. G. Shepard,  
August, 1926.

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South slope of Glacier Basin  
showing dike

Country rock consists of slates and graywackes similar to the Valdez group. These rocks are cut by persistent dikes, both large and small, of light colored diorite porphyry. Many quartz veins mostly of narrow widths exist in all parts



North slope of Boulder Creek  
Basin showing dike.



Hillside at Knowles Property showing  
location of showings.



Hillside at Ellis Prospect showing  
location of tunnels.



Showing quartz vein at  
Knowles Property.

of the district. Some of these veins have been developed to a limited extent but no bodies of ore of a commercial grade have yet been proved.

Several pockets of high grade surface ore have been found and free gold may be detected in a number of veins throughout the region. A small amount of placer gold has been extracted from the stream beds. The quartz veins which give the most promise of containing commercial ore-bodies are mineralized with galena, arsenopyrite and free gold. The veins are of a type which give promise of containing small rich oreshoots which will only be found, if at all, by a relatively large amount of development work.



Sample 12" Wide  
 0.02 .oz gold per ton  
 tr. .oz silver per ton



Sample 12" Wide  
 tr. .oz gold per ton  
 tr. .oz silver per ton



Sample 12" Wide  
 0.02 .oz gold per ton  
 0.10 .oz silver per ton



Sample 24" Wide  
 0.01 .oz gold per ton  
 tr. .oz silver per ton



Sample 18" Wide  
 tr. .oz gold per ton  
 tr. .oz silver per ton



Sample 18" Wide  
 0.04 .oz gold per ton  
 0.05 .oz silver per ton

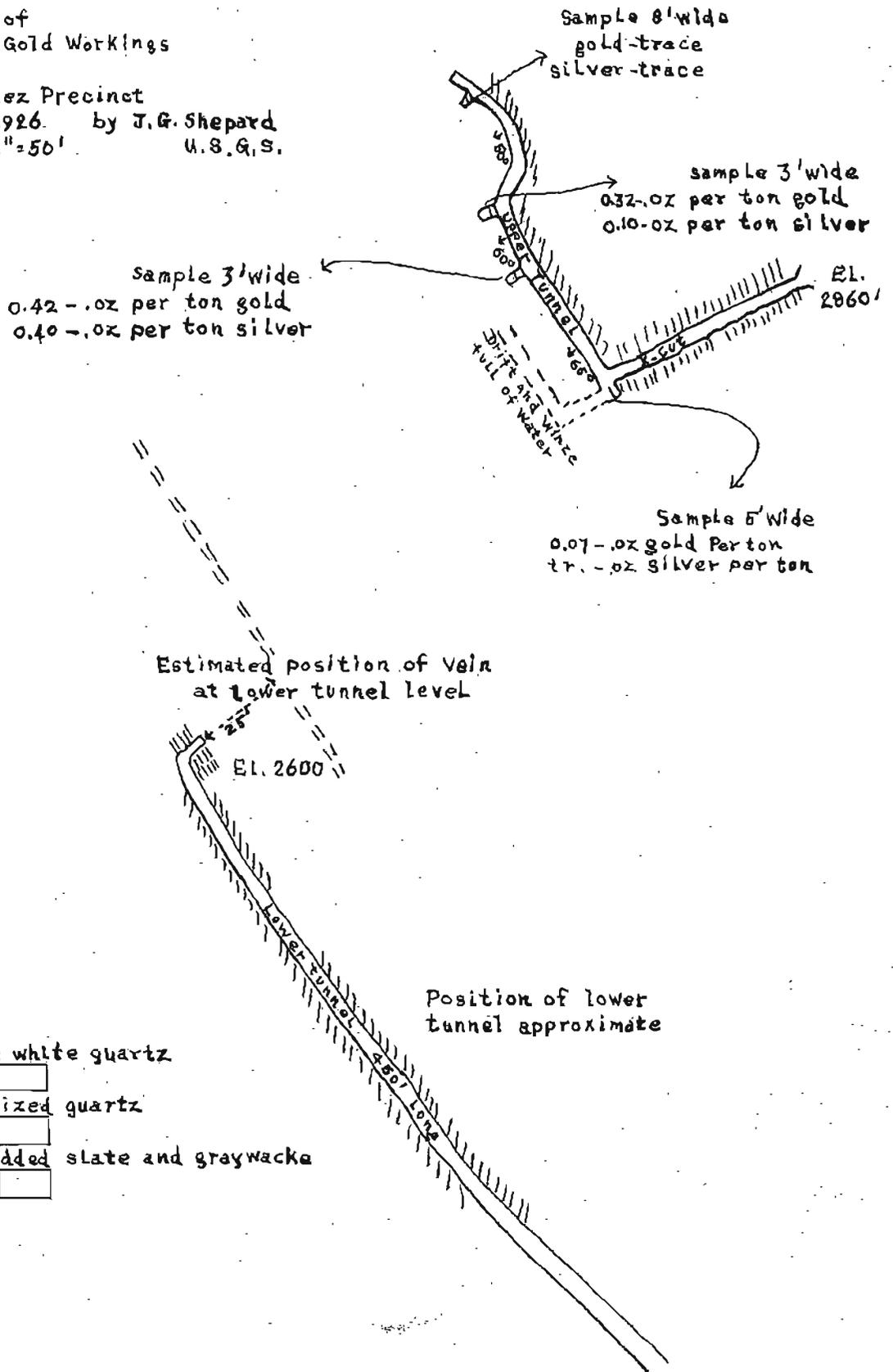


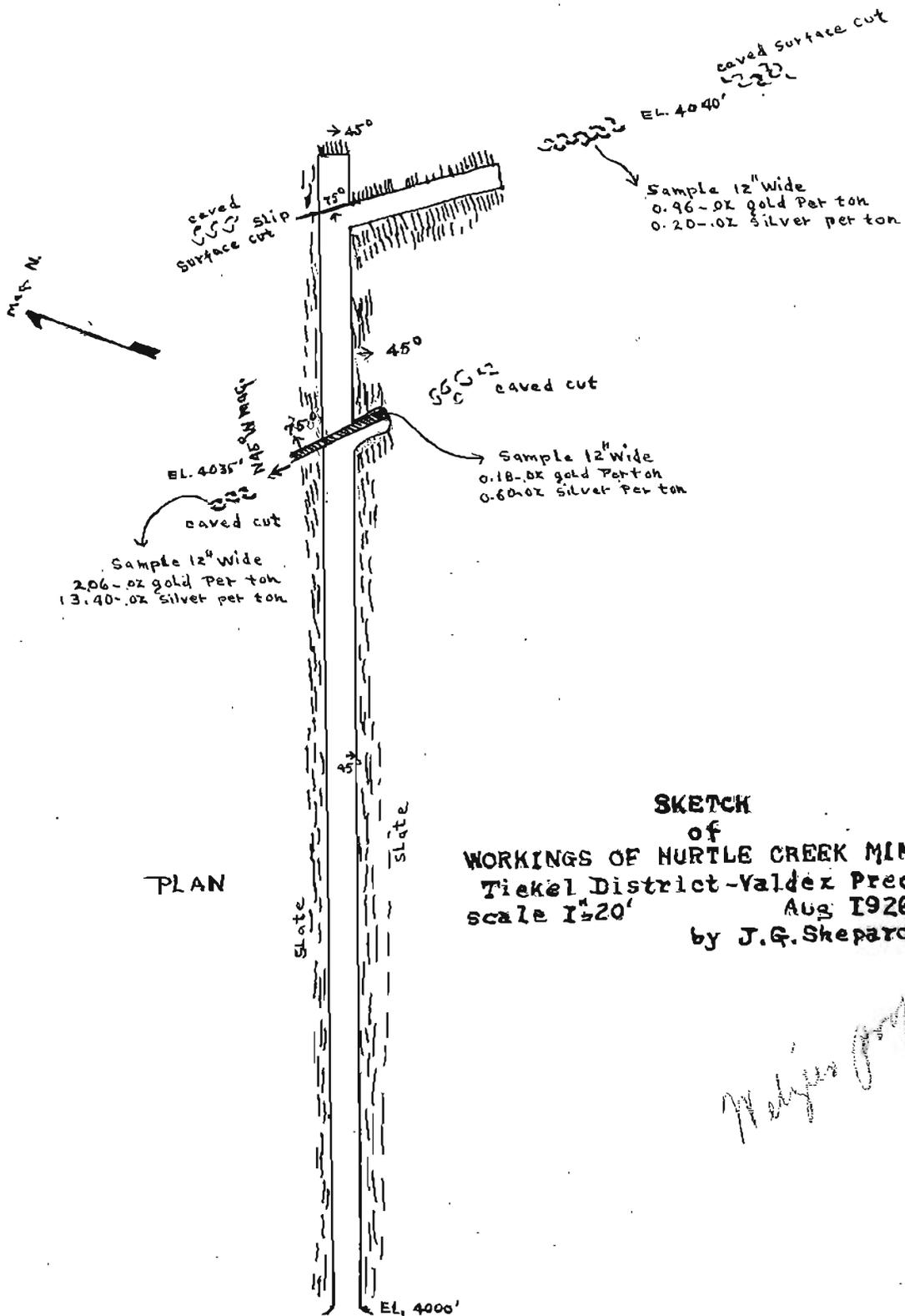
PLAN  
 of  
 OUTCROPS  
 of  
 Hurtle Creek Mining CO.  
 Tielck District-Valdez Precinct  
 scale 1"=300' AUG 1926  
 by J. Q. Shepard

SKETCH  
of  
Valdez Gold Workings

Valdez Precinct  
Sept. 1926 by J.G. Shepard  
Scale 1"=50' U.S.G.S.

PLAN





PLAN

SKETCH  
of  
WORKINGS OF HURTLE CREEK MINE  
Tiekel District - Valdez Precinct  
Aug 1926  
scale 1"=20'  
by J.G. Shepard

*J.G. Shepard*

PLAN  
of  
ELLIS PROSPECT  
Boulder Creek-Tiekel District  
Valdez-Precinct.  
Aug. 1926 by J.G. Shepard  
scale 1"=40'

