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April 27, 1934

Mr. C. L. Dunbar,
Whipsaw Mine,
Castle Hot Springs, Arizona.

Dear Mr. Dunbar:

Referring to our conversations and my visits to your mine, am sorry to say that the result of our recent sampling did not come up to my expectations, and I should not be interested in taking any active part in the operation of your property.

The sample which we took from the seam of spar in the foot-wall of the vein ran .10 oz. in gold ($3.50 per ton) which is rather better than I expected, but the samples taken from the vein, with one exception, were comparatively low grade and it is evident that a great deal of sorting will be required to keep the shipments up to a desired value.

I wish you every success in your work and want to thank you very much for having brought the property to my attention, and for your courtesies on the occasions of my visits.

Yours very truly,

G. M. Colvocoresses

GMC/HC

MEMO RE WHIPSAW PROPERTY

It is understood that thirteen patented mining claims, comprising the so-called Whipsaw Group on Whipsaw Creek are owned in fee simple.

Of these, two claims,--namely the Patenka and the Mosade, are now being worked by C. L. Dunbar on a one-year lease, providing for a payment of 20% royalty.

Other parties,--willing and able to develop this property on a larger scale and having made satisfactory arrangements with C. L. Dunbar,--are now prepared to make a thorough investigation and, subject to the result of such examination, to develop the ores on these claims and install proper mining and milling equipment and work the mine on a suitable scale with extraction and treatment of the lower grade as well as the high grade ore,--provided, but only provided, that a satisfactory bond and lease can be obtained from the owner on the following terms.

(a) New mining lease containing usual terms and provisions on the two claims Patenka and Mosade and option to purchase to run for three years from date, with royalty on all shipments of ores and concentrates to be 10% of the net smelter returns.

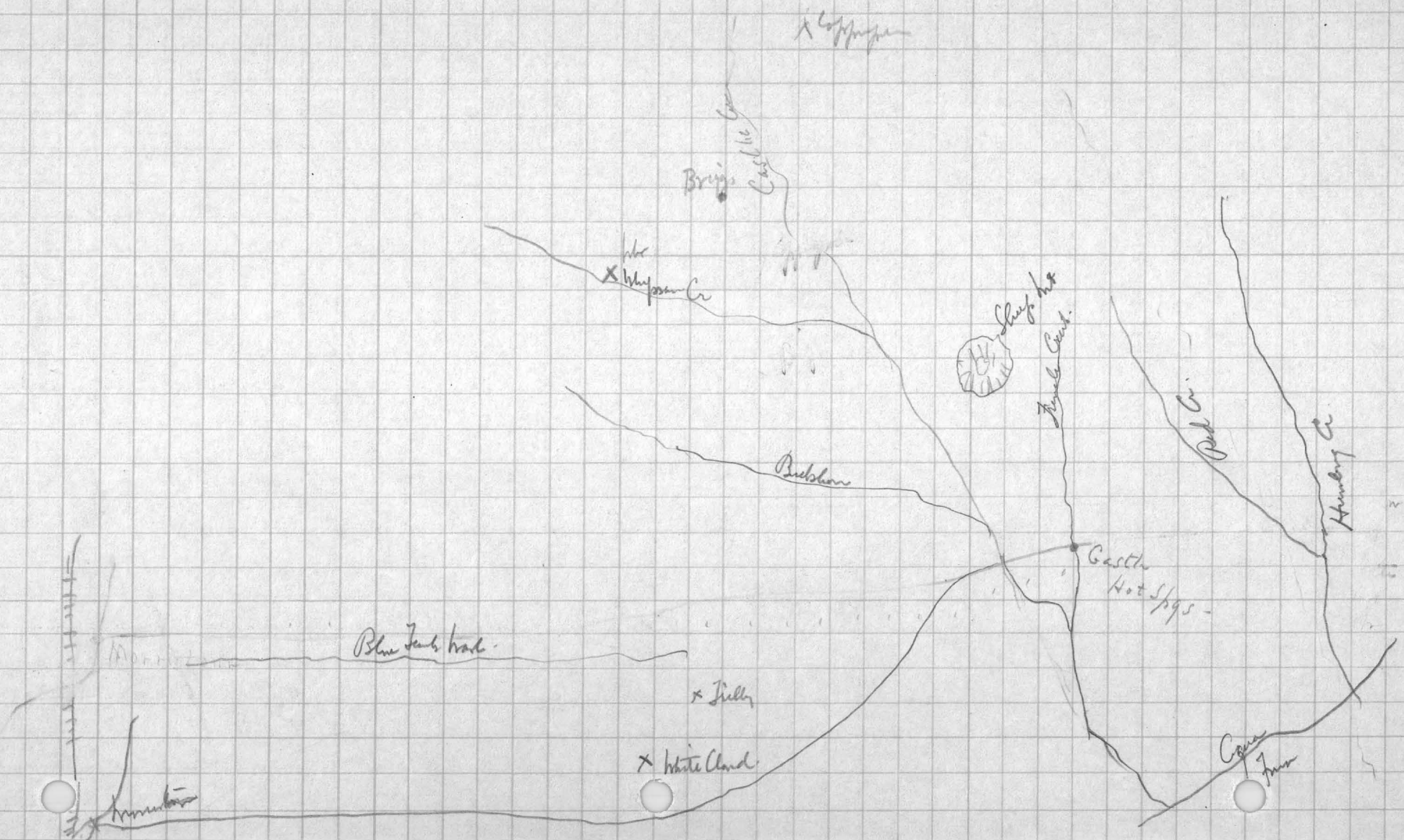
Purchase price of Patenka Claim to be $15.000.00

Purchase price of Mosade Claim to be 10.000.00

All royalty payments to apply on the purchase price.

Similar bond and lease to be made effective on any or all of the other claims in the group at request of the lessee and upon payment of $100.00 per claim if such request and payment is made at any time within six months from date. Purchase price of each of the other claims so optioned to be $1000.00 payable at any time during the term of the least. Same royalty on shipments and provision that royalty payments should apply on purchase price.

See Southeast corner of Bradshaw Folio map



Final ~~Further~~ notes re Mine after ing with Harbourer

W H I P S A W SAMPLES 4/24 & 25, 1934.

Sample #1 is cut from the cross vein at the southeast end of the cross drift and directly under the old stope from which a raise leads up to the surface and #3 shaft, width 22" and not much copper in vein, - perhaps 2%. Au - - 0.03 oz.

Sample #2, is from vein 50' northwest of #1 and in face of little stope just above drift. Width 24", Cu perhaps 3% Au - - 0.26.

No evidence that any pay ore has been or will be found in this ore shoot which is about 50' long and 2' wide, but there may be a zone of enrichment at some point above the level.

Sample #3, is cut from main vein where the drift cuts back into it from the foot wall at point 60' from the cross cuts and about 110' from the north end of the main adit. Width 24", - looks to be about 3% cu, Au - - trace.

Sample #4, is from the vein in back of adit about 200' south of cross cuts and 100' north of the shaft and winze #2, and 60' north of the beginning of the stope timbers. Width 36", Cu perhaps 4%. Au - - 0.03 oz.

Sample #5, is from back of little stope just north of shaft #2, and about 20' up from the adit level. Vein is strong and looks good, width 48". Cu perhaps 8%, Au - - 0.10 oz.

The length of the sets and lagging which were put in for the stope is 140 and from their south end it is 320' to one portal of the tunnel. Dunbar and his men are now mining ore in the floor of the adit

just on the south side of winze #2 from which a little stoping had been done under the drift pillar in which they are working, ie., between my samples #5 and #6.

Sample #6, taken in part from back of adit between stope lagging at point 40' south of winze #1 and in part from another point 30' farther south. Width of vein 36", looks to carry 8-10% cu. Au - - 0.16 oz.

Sample #7, taken from vein in back of adit 20' north of south end of stope timbers. A good vein 30" wide, Cu perhaps 10% and Au - 4.70 oz (value $164.50 per ton). There is no special indication of the high grade of this sample as compared to all the others. It may be due to a cross vein (tho none was observed) or it may be the result of getting a few pieces of high grade or otherwise salting the sample. However, it seems that the best ore is found along the vein from sample #5 to a point a short distance south of #7.

Sample #8, from a foot wall seam of spar which lies under the vein at this point and in a few other places and may have some influence on the values of the vein. Taken just below #7. Width 18". No copper or very little. Au - - 0.10 oz which is higher than expected.

Sample #9, taken from vein at point 40' south of the south end of the stope timbers. Width 36". Cu perhaps 6%. Au - trace.

Sample #10, taken from vein 60' south of #9, strong and wide at this point, but does not show so much copper. Width 48", cu perhaps 4%. Au - - 0.02 oz.

Sample #11, taken from vein 60' south of #10 sample and about

40' north of shaft and winze #1. Width 36". Cu perhaps 4%. Au - trace.

Sample #12, Taken from vein 60' south of #11, ie., about 10' south of shaft and winze #1. Width 36". Cu perhaps 4%. Au - 0.01.

Sample #13, taken from vein 40' south of #12, width 4'. Cu perhaps 3%. Au - trace. This is about 70' north of the portal of the adit tunnel which has a total length of about 760'.

Conclusion:

This mine might be able to produce a small tonnage of better than 6% copper ore which considering the gold value, might be profitable if copper sold at better than 13 or 14¢ per lb.

As a gold producer, it seems to be only suitable for leasers who can work with hand steel in the stringers or pockets which have the best values, but it is doubtful if they can make much money in this way or keep going for any long period of time.

A more careful investigation of the values in the vein near sample #7 might be made, but considering terms, etc., this does not seem warranted at present.

Oct. 37

This little mine is still being worked under lease by Slumber

Preliminary

NOTES RE WHIPSAW MINE by S. M. C.

Visited April 5, 1934.

Located 31 miles from Hot Springs Junction (Morristown) and 9 miles from the Crossing of Castle Creek just before reaching Castle Hot Springs, last two miles of road is up Whipsaw Creek which runs nearly east-west.

In this group there are said to be 13 Patented Claims belonging to Ezra Thayer of Phoenix who acquired them at a tax sale. These were once owned and operated by the Whipsaw Mining Co. which built a small water-jacket smelting furnace in 1890. Judging by the very small slag dump this furnace only ran for a few days and probably was a failure from the start. The cost of bringing in coke and flux for the silicious oxidized copper ore must have been great and probably an attempt was made to smelt to black copper.

There is also a five stamp mill on the property which is supposed to have treated ore from the Dummy Mine just south of Whipsaw Creek. Both the smelter and mill are on the north bank of the creek.

The country rock appears to be mainly mica-schist but there are intrusions of porphyry and flows of various types of lava including a volcanic agglomerate or brecchia, rhyolite, andesite, tufa and a coarse faldspar rock with large crystals of hornblande or tourmaline.

The veins generally strike nearly north and south (altho a small cross vein is noted on the south bank of the creek) and they dip 45° -60° to the West.

Just above the smelter a tunnel was driven to the north nearly 1000' and generally following the main vein which appears to be on a contact between porphyry foot-wall and schist hanging wall. The dip of this vein is 45° -50° to the West and its width between walls might average 2' of which upwards of 1 foot is good ore. The ore appears to be mostly

(over)

crysocolla and brown oxide (copper pitch) with iron oxide some of which is is in the form of specularite. The high grade ore should carry nearly 20% copper and sample A should give a good idea of its gold and silver value. Au -- 0.48 Ag --- trace & by 12% + Cu, value by $30.00

In places wire gold can be seen under a glass. Dunbar says that his sample of this ore have assayed from 1 oz to 8 oz in gold and 2-3 oz in silver.

The tunnel gains depth rapidly under the hill and near its end should have a back of over 200'. There is a arm cut to the east which is said to cut another parallel vein.

A winze nearly 100' deep was sunk in the vein about 600' from the portal of the tunnel and the ore looks good for a depth of about 30' below which it seems to become poorer and the vein tightens up. There is no water in the winze and no evidence of primary ore. There is another winze (probably 30-50 deep) about 300' from the portal of the tunnel but it could not be descended.

Practically no stoping has been done on this vein except in pockets just above the lagging of the drift but it is evident that all of the good ore is in a zone of secondary enrighment the vertical extent of which is uncertain and it would not be safe to figure on a greater length than 300' as the vein pinches and swells with width of one foot andassumed depth of 35'. This would give a reserve of about 1000 tons high grade but it might easily develop to a much greater figure.

On the south side of the creek and about 1/4 mile further west another vein outcrops which is followed in by a tunnel but shows only a very little ore and some 150' higher up on the steep hill there is a cross vein on which a short tunnel has been driven and a shaft put down Some high grade gold ore with rusty honey-combed quartz and very little

copper has been taken out here but it is merely a prospect and does not look very good as this showing may merely ~~up~~ represent a pocket. Sample B. represents the picked ore. Au- - 0.72 z. Ag-- 0.1, very little cu. value ~~[illegible]~~ about 25.00

Water is obtained from springs in the property and is of good quality and should be sufficient for domestic purposes. Possibly enuf ore for a very small (25 ton) mill could be gotten from wells in the creek bed, and aside from the high grade shipping ore there is probably quite a tonnage of $10-$20 ore which could be treated by plating and flotation.

There are no buildings on the property except a couple of little shacks. Dunbar put in a mill comprising a circular ball grinder (like a Huntingchan Mill) with screens and riffles, and a little plate and laundries.

Claimed that his heads ran $38.00 and tailings only $3.00 but it seemd that much of the fine gold with the specular iron must have floated off with the tailings water.

Dunbar has a lease on only the two claims --Patanka, - north of creek, and Mosade north of creek and this lease runs for one year and provides for 20% royalty to Thayer, - no option to purchase.

He will ship to Magma smelter with hauling cost to railroad-- $5.00

Freight	2.50 up
Smelting cost, say	4.50
Deductions & losses	2.00
	$ 14.00

So that he might realize about $25.00 on $40.00 ore.

If samples A. & B. show good values in gold and silver and if proper terms can be secured it will pay to return and make a careful examination with measurements and samples of the main vein and the showings in the south vein, including the milling ore.

(bsh)

To work the high grade a portable compressor and drills would be desirable, also a little hoist if good values are found in the winze and for the mill ore a small 25 ton unit with plates and flotation would be essential.

On Castle Creek five miles up from the main road some parties are sampling the placer gravel in the wash with a drag line bucket and they were down near 20' and had a lot of boulders but still no permanent water and did not know how deep itwould be to bed rock. Said they were getting a few colors.

Vahrenkamp of San Francisco is Engineer for this outfit.

The Iceberg Placer,--presumably on a side creek just below Whipsaw Creek have put up a lot of signs and are grading a road to their property.

Further

NOTES RE: WHIPSAW MINE

Visited 4/24 and 4/25 with G. Harbauer.

Elevation at Mine is just about 3000'.

On the dump there is now nearly 30 tons of ore ready for shipment. A sample of this sent to Magma showed:

Au ---- 1.00 oz.
Ag ---- 1.00 oz.
Cu ---- 8. %

A similar sample sent to Phoenix showed Au --- 1.26 oz.

Cyn

The strike of the main (smelter) vein is nearly north-south, the average dip is 42-45° to the West so that ore would run in the stopes and chutes. The outcrop to the south of the portal of the tunnel would pass right thru the smelter and down to the creek, but it cannot be clearly noted and may be faulted. No work seems to have been doen near the creek. The portal of the tunnel is about 400' north of the creek bottom and about 110' above it.

The outcrop can be traced up the hill and thru the two shafts and probably some distance beyond and the outcrop of the split-off vein (east vein) (see map) can also be traced on the surface and a shaft was sunk on this on the east side of a little gulch. Near these outcrops the average width of the vein is over 2'.

El Paso offered to treat the ore (on basis of sample sent) for $3.70 toll charge. Freight would be close to $6.00. Dunbar did not have exact terms from Magma, but freight will be about $3.50.

In the Dunbar lease his partner Jim Hynes has 2/6 interest and Jack Grubbs has 1/6, Dunbar has 3/6. These men wish to have my tentative terms revised so that I would pay them a percentage of receipts (after deducting trucking, smelter charges and royalty to owner) instead of a percentage of the profits.

The plant required for operation would be as follows:

	Estimated Cost
Camp equipment and small tools - - - - -	
One compressor (about 120 cu. ft. cap. -	
2 small drills - - - - - - - - - - - - - -	
Drill Steel- - - - - - - - - - - - - - - -	
Portable blower and anvil, etc., - - - -	
Air receiver (at smelter) - - - - - -	
Cars and rails, on hand - - - - - - - - -	
Tank " " - - - - - - - - -	
Gas Engine pump in creek - - - - - - - - -	
Piping for air and water(lot on hand)- -	
Horses, etc., - - - - - - - - - - - - - -	
TOTAL	

To start it might be possible to bring up enuf water for engine and drills with a truck, but pump would be much more economical. The buildings on the neighboring claim could be used for dwellings and there is enuf good timber in the mine to last for some little time in stoping.

A small pick-up truck would be essential. A good road has been built right to the mouth of the tunnel.

In breaking with air drills, great care would have to be used not to dilute the ore with too much waste and some kind of sorting would possibly be advisable and screens might be used. The ore could be loaded onto trucks by hand and some form of ore ~~basis~~ bins constructed later.

For new agreement suggested that I would pay to Dunbar and pardners 25% of my returns (as above) until I had paid them $1,000. then 15% of my returns until I had paid them another $4,000 and after that 5% of my returns until I had paid them another $5,000. Dunbar thought these terms fair and will discuss them with the others.

(Castle) Whipsaw

HOT SPRINGS DISTRICT January 3, 1934

C. L. Dunbar leasing at Whipsaw Mine, 31 miles from Morristown, has 250 to 300 tons of $30.00 ore with values in gold, now on dump.

Gold is free in quartz ~~gauge~~ gouge, but there is a little arsenic which interferes with amalgamation. also a lot of iron oxide. Has a little mill with a table, but only operates it at intervals.

Freight note: $2.15 from Morristown to Humboldt.

Dunbar also owns a property, (prospect) 18 miles north of Parker with a lot of silicious gold ore with some copper and will run over $20.00 per ton. This is north of the Roeder-Manning Claims on a big porphry hill.

2/15/34

Dunbar brought in sample of high grade from the Whipsaw mine which he says will run $100 per ton, pans very well. He has only a one year lease on the Whipsaw but might arrange to have this extended if parties would invest a little money in plant etc. To reach his camp (which is just 31 miles from Morristown) go to within 2 mi of Castle Hot Sprgs. & then turn up Castle Creek to sign (Whipsaw Mi.) on right & then drive up Whipsaw Creek & on a little hill is Dunbar's Camp. Working in a tunnel but should soon sink a winze.

Memo Re Proposed Deal with Dunbar concerning Whipsaw Mine

Judging by my samples it would not be safe to figure on mining and shipping ore with average gross value in excess of $30.00.

Assume a mining and sorting cost of	$7.00
Truck to railroad	5.00
Freight to smelter	2.50
Smelter toll charge	4.00
Smelter deductions & loss	2.00
Royalty, 20% on 17	3.50
	24.00

Which would leave profit of only $6.00 per ton. Meantime I should have to spend considerable money for equipment.

I would agree to split the net profits 50-50 with him until I had paid $1000 and then to give him 25% of net profits until I had paid another $1000, and after that 10% of profits until I had paid a total of $4000, when his lease and rights would be completely purchased.

FINAL NOTES RE WHIPSAW MINE AFTER SAMPLING WITH HARBAUER,

4/24 & 25, 1934.

Sample #1 is cut from the cross vein at the southeast end of the cross drift and directly under the old stope from which a raise leads up to the surface and #3 shaft, width 22" and not much copper in vein, - perhaps 2%. Au - - 0.03 oz.

Sampe #2, is from vein 50' northwest of #1 and in face of little stope just above drift. Width 24", Cu perhaps 3% Au - - 0.26.

No evidence that any pay ore has been or will be found in this ore shoot which is about 50' long and 2' wide, but there may be a zone of enrichment at some point above the level.

Sample #3, is cut from main vein where the drift cuts back intoit from the foot wall at point 69' from the cross cuts and about 110' from the north end of the main adit. Width 24", - looks to be about 3% Cu, Au - - trace.

Sample #4, is from the vein in back of adit about 200' south of cross cuts and 100' north of the shaft and winze #2, and 60' north of the beginning of the stope timbers. Width 36", Cu perhaps 4%. Au - - 0.03 oz.

Sample #5, is from back of little stope just north of shaft #2, and about 20' up from the adit level. Vein is strong and looks good, width 48". Cu perhaps 8%, Au - - 0.10 oz.

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Sample #6, taken in part from back of adit between stope lagging at point 40' south of winze #1 and in part from another point 30' farther south. width of vein 36", looks to carry 8-10% Cu. Au - - 0.16 oz.

Sample #7, taken from vein in back of adit 20' north of south end of stope timbers. A good vein 30" wide, Cu perhaps 10% and Au - 4.70 oz. (value $164.50 per ton). There is no special indication of the high grade of this sample as compared to all the others. It may be due to a cross vein (though none was observed) or it may be the result of getting a few pieces of high grade or otherwise salting the sample. However, it seems that the best ore is found along the vein from sample #5 to a point a short distance south of #7.

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This mine might be able to produce a small tonnage of better than 6% copper ore which considering the gold value, might be profitable if copper sold at better than 13 or 14 per lb.

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A more careful investigation of the values in the vein near sample #7 might be made, but considering terms, etc., this does not seem warranted at present.

(signed) G. M. Colvocoresses.

October, 1937.

This little mine is still being worked under lease by Dunbar.

FURTHER NOTES RE: WHIPSAW MINE

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PRELIMINARY NOTES RE WHIPSAW MINE BY G. M. COLVOCORESSES

Visited April 5, 1934.

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There is also a five stamp mill on the property which is supposed to have treated ore from the Dummy Mine just south of Whipsaw Creek. Both the smelter and mill are on the north bank of the creek.

The country rock appears to be mainly mica-schist but there are intrusions of porphyry and flows of various types of lava including a volcanic agglomerate or brecchia, rhyolite, andesite, tufa and a coarse faldspar rock with large crystals of hornblande or tourmaline.

The veins generally strike nearly north and south (altho a small cross vein is noted on the south bank of the creek) and they dip 45°-60° to the West.

Just above the smelter a tunnel was driven to the north nearly 1000' and generally following the main vein which appears to be on a contact between prophyry foot-wall and schist hanging wall. The dip of this vein is 45°-50° to the West and its width between walls might average 2' of which upwards of 1 foot is good ore. The ore appears to be mostly crysocolla and brown oxide (copper pitch) with iron oxide some of which is in the form of specularite. The high grade ore should carry nearly 20% copper and sample A should give a good idea of its gold and silver value. Au. 0.48; Ag. trace; and say 12% - Cu, Value say $30.00.

In places wire gold can be seen under a glass. Dunbar says

that his sample of this ore have assayed from 1 oz to 8 oz in gold and 2-3 oz. in silver.

The tunnel gains depth rapidly under the hill and near its end should have a back of over 200'. There is an arm cut to the east which is said to cut another parallel vein.

A winze nearly 100' deep was sunk in the vein about 600' from the portal of the tunnel and the ore looks good for a depth of about 30' below which it seems to become poorer and the vein tightens up. There is no water in the winze and no evidence of primary ore. There is another winze (probably 30-50 deep) about 300' from the portal of the tunnel but it could not be descended.

Practically no stoping has been done on this vein except in pockets just above the lagging of the drift but it is evident that all of the good ore is in a zone of secondary enrichment the vertical extent of which is uncertain and it would not be safe to figure on a greater length than 300' as the vein pinches and swells with width of one foot and assumed depth of 35'. This would give a reserve of about 1000 tons high grade but it might easily develop to a much greater figure.

On the south side of the creek and about ¼ mile further west another vein outcrops which is followed in by a tunnel but shows only a very little ore and some 150' higher up on the steep hill there is a cross vein on which a short tunnel has been driven and a shaft put down. Some high grade gold ore with rusty honey-combed quartz and very little copper has been taken out here but it is merely a prospect and does not look very good as this showing may merely represent a pocket. Sample B. represents the picked ore. Au. 0.72 oz; Ag. 0.1, very little Cu. Value about $25.00

Water is obtained from springs in the property and is of good quality and should be sufficient for domestic purposes. Possibly enough ore for a very small (25 ton) mill could be gotten from wells in the creek bed, and aside from the high grade shipping ore there is probably quite a tonnge of $10-$20 ore which could be treated by plating

and flotation.

There are no buildings on the property except a couple of little shacks. Dunbar put in a mill comprising a circular ball grinder (like a Huntingchan Mill) with screens and riffles, and a little plate and laundries.

Claimed that his heads ran $38.00 and tailings only $3.00 but it seemed that much of the fine gold with the specular iron must have floated off with the tailings water.

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He will ship to Magma smelter with hauling cost to

railroad	$5.00
Freight.....	2.50 up
Smelting cost, say.....	4.50
Deductions & losses.....	2.00
	$14.00

So that he might realize about $25.00 on $40.00 ore.

If samples A. & B. show good values in gold and silver and if proper terms can be secured it will pay to return and make a careful examination with measurements and samples of the main vein and the showings in the south vein, including the milling ore.

To work the high grade a portable compressor and drills would be desirable, also a little hoist if good values are found in the winze and for the mill ore a small 25 ton unit with plates and flotation would be essential.

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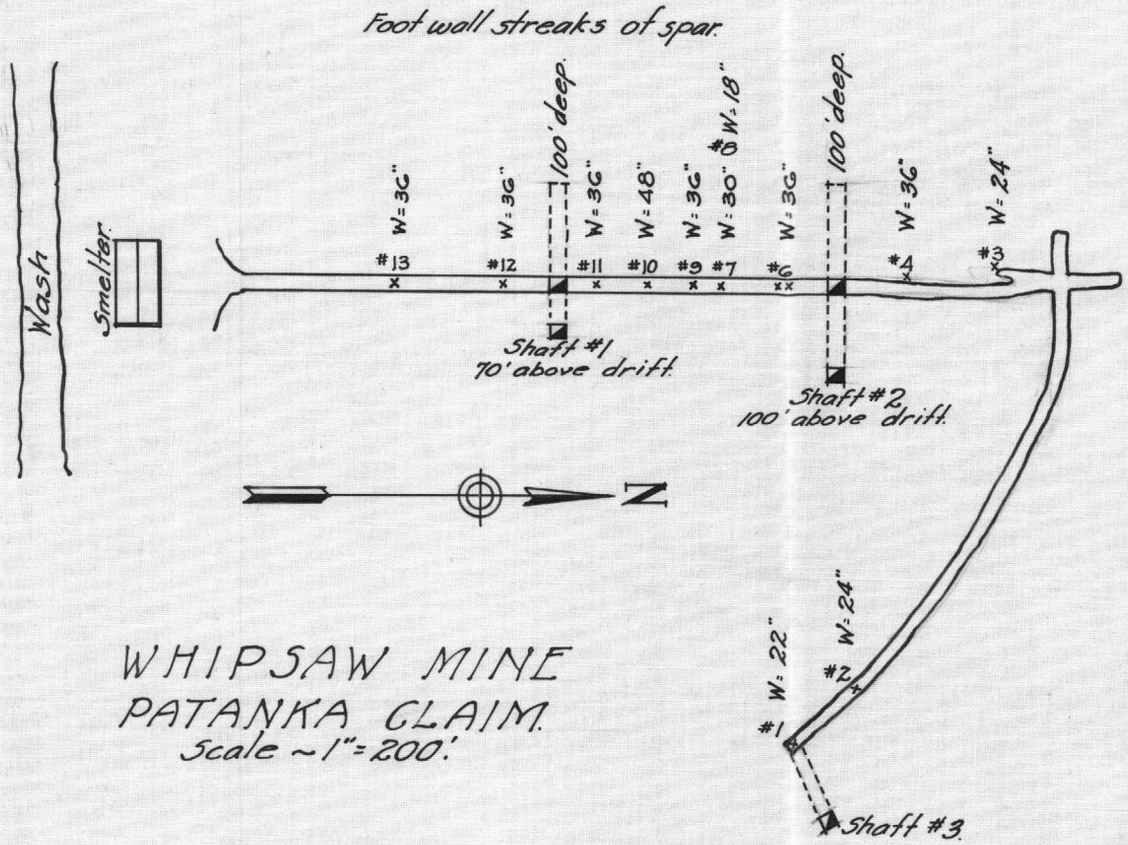
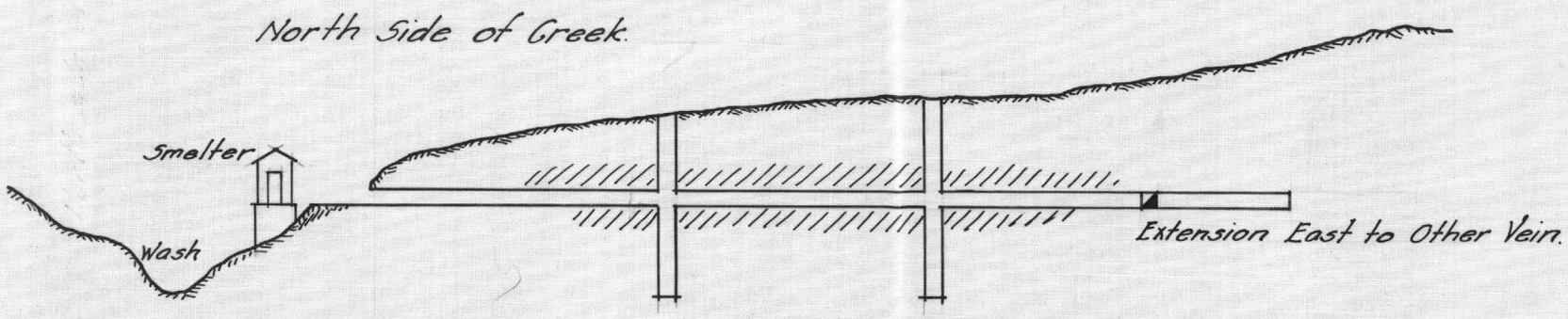
Vahrenkamp of San Francisco is Engineer for this outfit.

The Iceberg Place,--persumably on a side creek just below Whipsaw Creek have put up a lot of signs and are grading a road to their property.



WHIPSAW MINE
PATANKA CLAIM.
Scale ~ 1" = 200'.

Sample	Av. (Oz. per ton)
#1	0.03
2	0.26
3	tr.
4	0.03
5	0.10
6	0.16
7	4.70
8	0.10
9	tr.
10	0.02
11	tr.
12	0.01
13	tr.

Note:- None of these samples except #7 show pay ore altho the vein might average 8% copper & would be worth while if the price of copper were high. Evidently the high gold values are confined to tiny stringers or pockets and the average grade of the ore which would be mined is too low grade to be profitable.

No further interest unless and until the price of copper goes up.