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ITEM  
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REPORT ON THE

SUMMIT GROUP

AT AURORA, *Mineral* ESMERALDA CO., NEVADA.

2

SPURR & COMPANY  
CONSULTING SPECIALISTS IN MINING  
165 BROADWAY, NEW YORK  
CABLE SPURR 600 CODE: BEDFORD MCNEILL

REPORT ON THE SUMMIT GROUP

AT AURORA, ESMERALDA CO., NEVADA.

The Summit Group at Aurora, was brought to the attention of the Tonopah Mining Company by Mr. F. A. Keith, as shown in the following letter to Mr. W. H. Blackburn:-

"The following is an extract from a letter just received regarding the Summit Group, mentioned in my letter of July 11th, which will more fully identify the ground:

"Referring to the Summit Group of mining claims in the Esmeralda Mining District, Aurora, Nevada:

"The Group in question consists of nine claims, viz: The Emmie, Pride of the Hill, Keystone Wedge, Fortuna, Lucky Same, Bright Star, Summit, Good Hope and West Slope. All of which are located on Middle Hill. The claims are all 200 x 1500 with the exception of a fraction known as the Keystone Wedge, the Good Hope 400 x 1500 and the West Slope 600 x 1500.

"Each of the claims show one or more veins, no development work of any extent being done on any outside of the main ledge of the group known as the Summit and the Bright Star and the Emmie veins."

"The Summit ledge is opened up by a shaft 128 feet deep, with the levels run at the 40' and 70'. On the 40' a drift is in 16' to the North and one of 90' to the South. The vein above the 90' being practically stopeed out. On the 70' a drift has been run 40' to the North and 150' to the South. Mr. Gow informs me that his average from all the above workings was \$10.00. The vein on the 70' level will average 5' 6" in width. The dip of the vein is 42 deg.

"400 feet to the South from the above workings another shaft has been sunk 100 feet, showing about the same average values. The vein here is smaller, averaging about 3'.

"A series of parallel veins are found on the Summit and Bright Star ground, and while it is possible that the #2 shaft is on one of these veins, until further development is done it must be considered as the main Summit vein.

"On the West adjoining claim, the Bright Star, a shaft has been sunk on a small vein to a depth as near as can be ascertained from the 'Old timers' of 300 feet. They also claim that the vein was rich and all ore taken out milled. This must be true as no quartz is shown on the dump. The shaft is filled to within 40 feet of the surface, at which point a cross-cut has been run 20 feet to the west showing an 8' vein containing values of about \$2.00. This is the only point where this vein has been cut, as it does not show on the surface.

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"Considerable work has been done on the Emmie and from the stopes quite a tonnage of ore taken out, which must have been of a very good grade, as that left on the dump will average \$24.00.

"A tunnel is being run from the canon and on the Keystone Wedge claim toward the Summit vein. This is now in 850 feet with 700 more to run before cutting the Summit vein. The vein will be cut at a depth of 590 feet at this point.

"I consider this tunnel most important, for within the next 200 feet and probably sooner, the first of the Summit series of parallel veins should be cut. This series extends from the Bright Star and through the Summit and Good Hope Ground. I may also add that it is a continuation of the Old Esmeralda, Bald Eagle and Radical series. The Old Esmeralda was the first location of the Esmeralda district. In my opinion this tunnel is the most important piece of development work being carried on since the old camp was rejuvenated some five years ago."

This mine was ordered sampled, and the following notes were forwarded by Mr. M. B. Huston, the Engineer in charge of the sampling:-

"The Summit Group consists of nine claims as shown on the claim map included in our list. We went over the ground carefully and found but one vein of importance, which lies on the Summit Claim and is known as the Summit Vein. On this vein three shafts have been sunk, as follows:-

Shaft No.1 is 128 feet deep with a level at 40 feet and one at 70 feet. We have covered this work with three tracings, one an assay plan of the first level, another an assay plan of the second level and the third an assay projection perpendicular to the dip of the vein. You will find enclosed with the tracings my averages of the two levels and the shaft. Although the first level averages \$6.17, and the shaft \$5.26, still I was able to figure no ore that would give a profit at our estimated total cost of \$5.00 and 95% extraction.

Shaft No.2 is 90 feet deep. Shaft No.3 is caved at 40 feet but is probably somewhat deeper. Neither shaft seems to have cross-cuts or drifts. You will find enclosed an assay projection of the two shafts, also a sheet giving my averages of their assay values and widths."

Under these circumstances, it is not deemed advisable to consider these properties further.

Yours very truly,

SPURR & COMPANY.

New York, December 15, 1911.

by J. G. Spurr

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LIST OF MAPS:

- I. Claim Map, of the Summit Group.
- II. Assay Projection of Summit Mine.
- III. Assay Plan of First Level Summit Mine.
- IV. Assay Plan of Second Level Summit Mine.
- V. Assay Projection of Shafts Nos. 2 & 3, Summit Mine.

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## TABULATED ASSAYS No. 1 SHAFT.

Average of 1st Level.

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Sample Number	Length in Meters	Total Value in \$	Meter Dollars Value
1379	1.45	3.86	5.5970
1378	1.40	8.22	11.5080
1377	1.65	9.52	15.7080
1376	1.40	6.99	9.7860
1375	1.90	1.72	3.2680
1374	1.90	8.81	16.7390
1373	2.10	6.46	13.5660
1372	1.55	4.02	6.2310
	<u>8) 13.35</u>		<u>13.35) 82.4030</u>
	1.67 av. width		\$6.17 av. Value

Average of 2nd Level.

--- o ---

Sample Number	Length in Meters	Total Value \$	Meter Dollars
1371	1.30	6.49	8.4370
1370	1.60	5.74	9.1840
1369	1.40	4.55	6.3700
1368	1.60	4.72	7.5520
1367	1.35	2.71	3.6585
1366	1.85	1.38	2.5530
1365	1.80	3.02	5.4360
1364	2.30	1.72	3.9560
1363	2.40	3.94	9.4560
1362	0.85	0.56	0.4760
1361	1.30	4.82	6.2660
1360	2.45	4.70	11.5150
1359	1.70	3.02	5.1340
1358	2.05	2.88	5.9040
1348	1.90	5.40	10.2600
1357	1.70	5.74	9.7580
1356	1.65	2.77	4.5705
1355	1.30	3.64	4.7320
1354	0.75	7.81	5.8575
	<u>19) 31.25</u>		<u>31.25) 121.0755</u>
	1.65 Av. Width		3.87 Av. Value.

## Average of No. 1 Shaft.

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Sample Number	Length in Meters	Total Value	Meter Dollars.
1343	1.30	7.87	10.2310
1344	1.85	4.73	8.7505
1345	1.80	3.74	6.7320
1346	1.65	7.38	12.1770
1347	1.70	2.78	4.7260
1348	1.90	5.40	10.2600
1349	1.85	3.93	7.2705
1350	1.10	3.43	3.7730
1351	1.35	6.61	8.9235
1352	0.45	5.52	2.4840
1353	0.40	13.54	5.4160
	11) 15.35	15.35	80.7435

1.40 Av. Width \$5.26 Av. Value.

## Average of No. 2 Shaft.

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1388	1.00	\$7.64	7.6400
1389	0.65	1.13	0.7345
1390	0.65	0.98	0.6370
1391	0.65	14.93	9.7045
1392	0.50	2.08	1.0400
1393	0.55	6.39	3.5145
1394	1.10	3.56	3.9160
1395	1.15	2.45	2.8175
1396	1.30	0.42	0.5460
1397	1.20	4.79	5.7480
	10) 8.75	8.75	36.2980

0.87 Av. Width \$4.15 Av. Value.

## Average of #3 Shaft

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1398	1.45	1.26	1.8270
1399	1.60	8.13	13.0080
1400	1.30	6.39	8.3070
1401	1.35	1.90	2.5650
1402	1.15	4.74	5.4510
	5) 6.85	6.85	31.1580

1.37 Av. Width \$4.55 Av. Value.

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## S O M M I T G R O U P

## Assay List.

Number of Sample	Length of Sample in Meters	Location	Gms. Au.per ton.	Gms. Ag.per ton.	Value Au. per ton. per t.	Value Ag. per ton. per t.	Total ton. per t.
1343	1.30	Shaft No. 1	11.25	23	7.48	0.39	7.87
1344	1.85	" " "	6.50	24	4.32	0.41	4.73
1345	1.80	" " "	4.75	34	3.16	0.58	3.74
1346	1.65	" " "	10.00	43	6.65	0.73	7.38
1347	1.70	" " "	3.75	17	2.49	0.29	2.78
1348	1.90	" " "	7.25	28	4.82	0.48	5.30
1349	1.25	" " "	5.25	26	3.49	0.44	3.93
1350	1.10	" " "	4.62	21	3.07	0.36	3.43
1351	1.35	" " "	9.25	27	6.15	0.46	6.61
1352	0.45	" " "	7.62	27	5.06	0.46	5.52
1353	0.40	" " "	20.00	73	13.30	1.24	14.54
1354	0.75	Shaft No. 1	10.50	49	6.98	0.83	7.81
		2nd level					
1355	1.30	" " "	4.75	28	3.16	0.48	3.64
1356	1.65	" " "	3.00	46	1.99	0.78	2.77
1357	1.70	" " "	7.75	35	5.15	0.59	5.74
1358	2.05	" " "	3.87	18	2.57	0.31	2.88
1359	1.70	" " "	4.00	21	2.66	0.36	3.02
1360	2.45	" " "	6.37	27	4.24	0.46	4.70
1361	1.30	" " "	6.37	34	4.24	0.58	4.82
1362	0.85	" " "	0.62	9	0.41	0.15	0.56
1363	2.40	" " "	5.12	32	3.40	0.54	3.94
1364	2.30	" " "	2.25	13	1.50	0.22	1.72
1365	1.80	" " "	4.00	21	2.66	0.36	3.02
1366	1.85	" " "	1.75	13	1.16	0.22	1.38
1367	1.35	" " "	3.75	13	2.49	0.22	2.71
1368	1.60	" " "	6.25	33	4.16	0.56	4.72
1369	1.40	" " "	6.00	33	3.99	0.56	4.55
1370	1.60	" " "	7.75	35	5.15	0.59	5.74
1371	1.30	" " "	9.00	30	5.98	0.51	6.49
		No. 1 Shaft 1st.					
1372	1.55	" " level	5.50	22	3.65	0.37	4.02
1373	2.10	" " "	8.87	33	5.90	0.56	6.46
1374	1.90	" " "	11.82	55	7.89	0.93	8.81
1375	1.90	" " "	2.25	13	1.50	0.22	1.72
1376	1.40	" " "	9.12	55	6.06	0.93	6.99
1377	1.65	" " "	12.75	61	8.48	1.04	9.52
1378	1.40	" " "	11.50	34	7.64	0.58	8.22
1379	1.45	" " "	5.12	27	3.40	0.46	3.86
1380	1.20	No. 1 Shaft-Stope	10.12	38	6.73	0.65	7.38
1381	0.80	" " "	14.62	60	9.72	1.02	10.74
1382	0.55	" " "	22.25	107	14.80	1.82	16.62
1383	1.70	" " "	18.50	67	12.30	1.04	13.34

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S U M M I T G R O U P

Assay List.

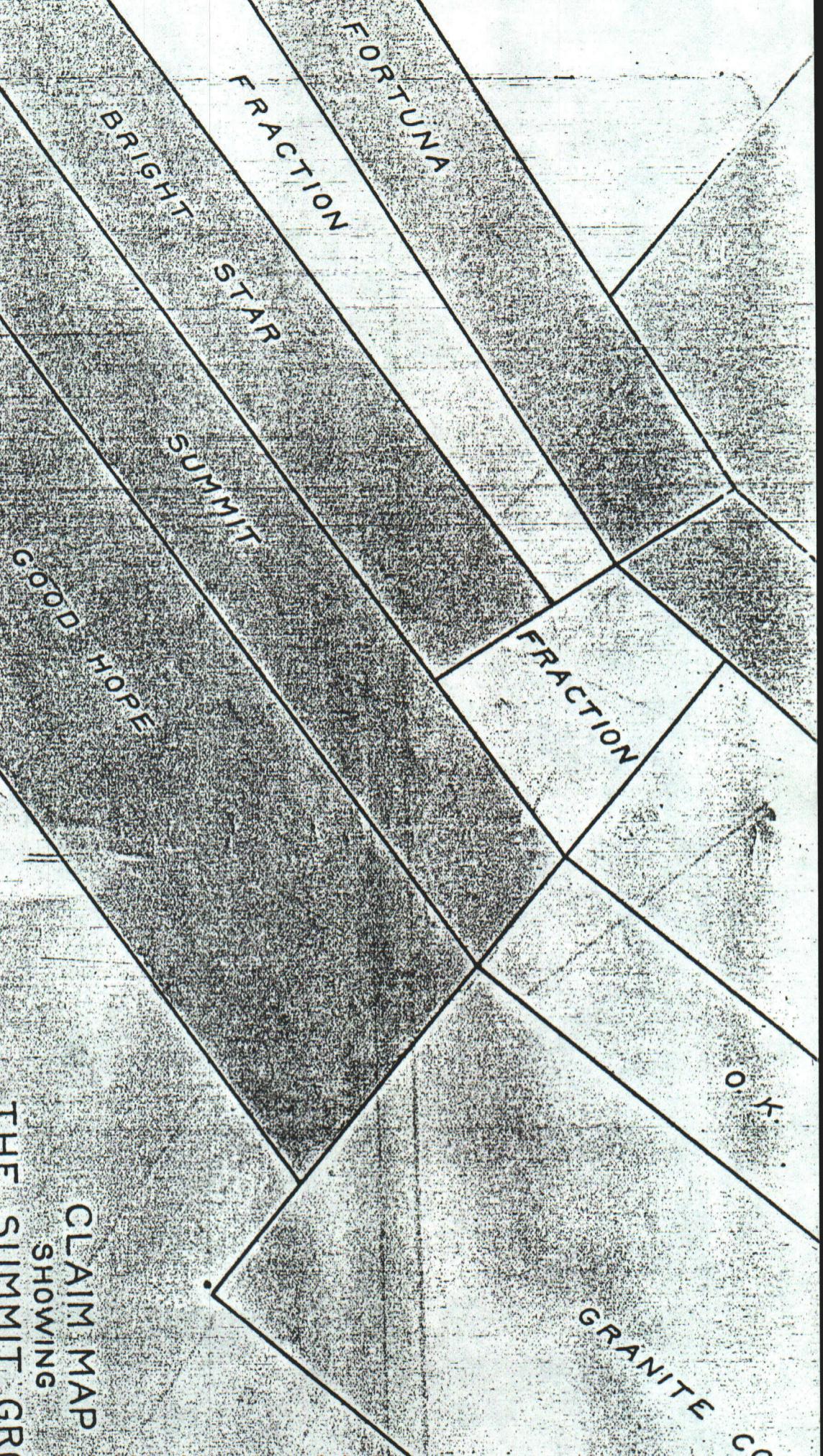
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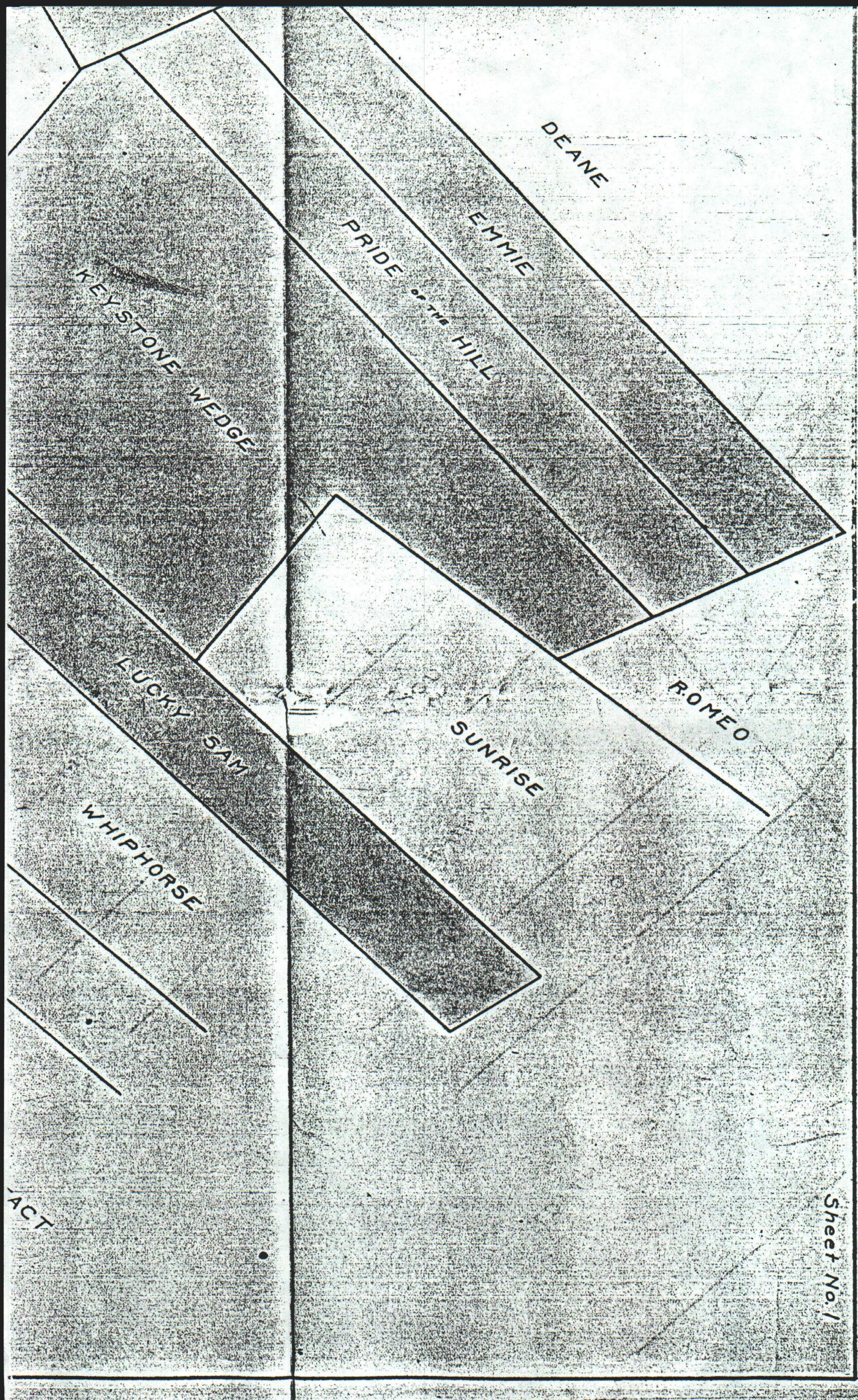
Number of Sample	Length of Sample in Meters	Location	Gms. Au. per ton.	Gms. Ag. per ton.	Value Au. per t. per t.	Value Ag. per t. per t.	Total Value per t.
		Shaft No. 1					
1384	1.00	E. Stope	35.87	157	23.85	2.67	26.52
1385	1.20	" " " "	23.75	52	15.79	0.88	16.67
1386	0.80	" " " "	2.50	9	1.66	0.15	1.81
1387	1.00	" " " "	2.50	20	1.66	0.34	2.00
1388	1.00	Shaft No. 2	10.62	34	7.06	0.58	7.64
1389	0.65	" " " "	1.50	8	0.99	0.14	1.13
1390	0.65	" " " "	1.00	19	0.66	0.32	0.98
1391	0.65	" " " "	20.62	72	13.71	1.22	14.93
1392	0.50	" " " "	2.87	10	1.91	0.17	2.08
1393	0.55	" " " "	9.00	24	5.98	0.41	6.39
1394	1.10	" " " "	5.00	14	3.32	0.24	3.56
1395	1.15	" " " "	3.25	17	2.16	0.29	2.45
1396	1.30	" " " "	0.37	10	0.25	0.17	0.42
1397	1.20	" " " "	6.62	23	4.40	0.39	4.79
1398	1.45	Shaft No. 3	1.62	11	1.07	0.19	1.26
1399	1.60	" " " "	11.50	29	7.64	0.49	8.13
1400	1.30	" " " "	8.87	29	5.90	0.49	6.39
1401	1.35	" " " "	2.50	14	1.66	0.24	1.90
1402	1.15	" " " "	6.25	34	4.16	0.58	4.74

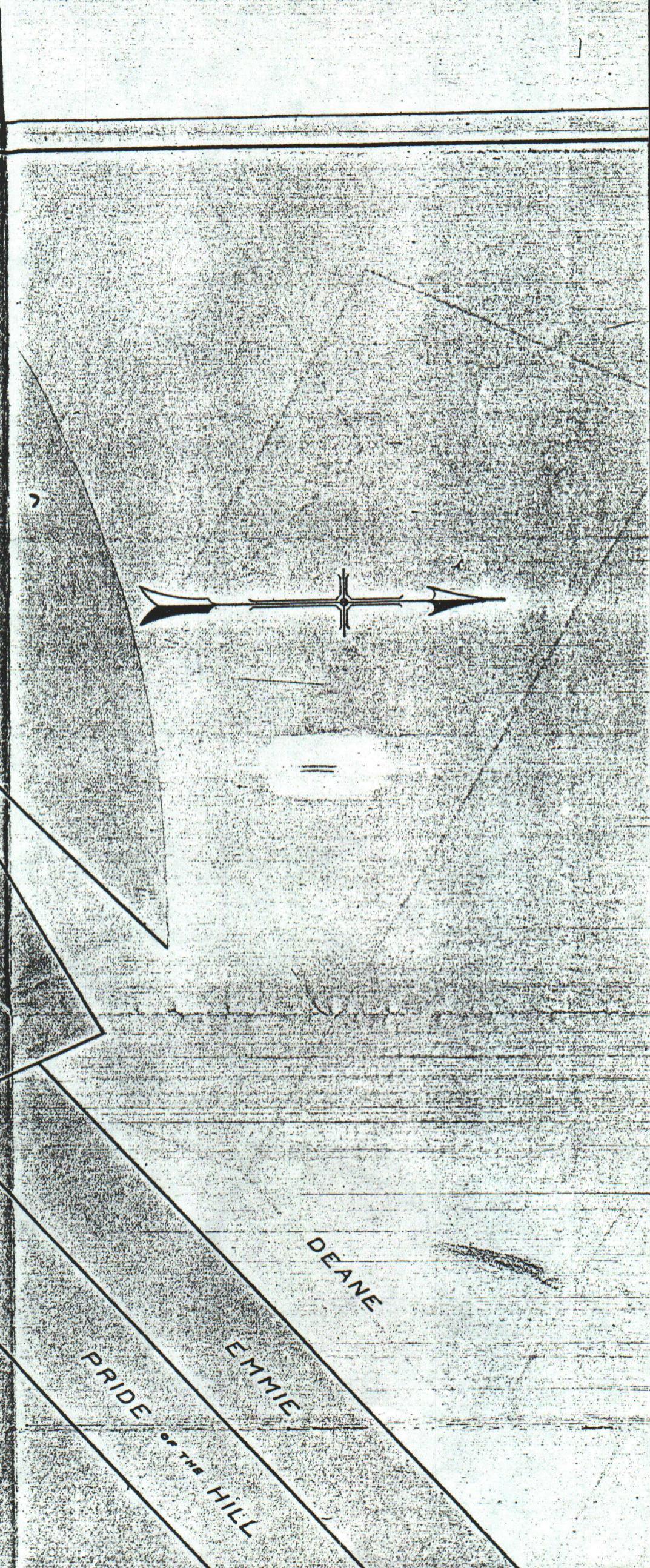
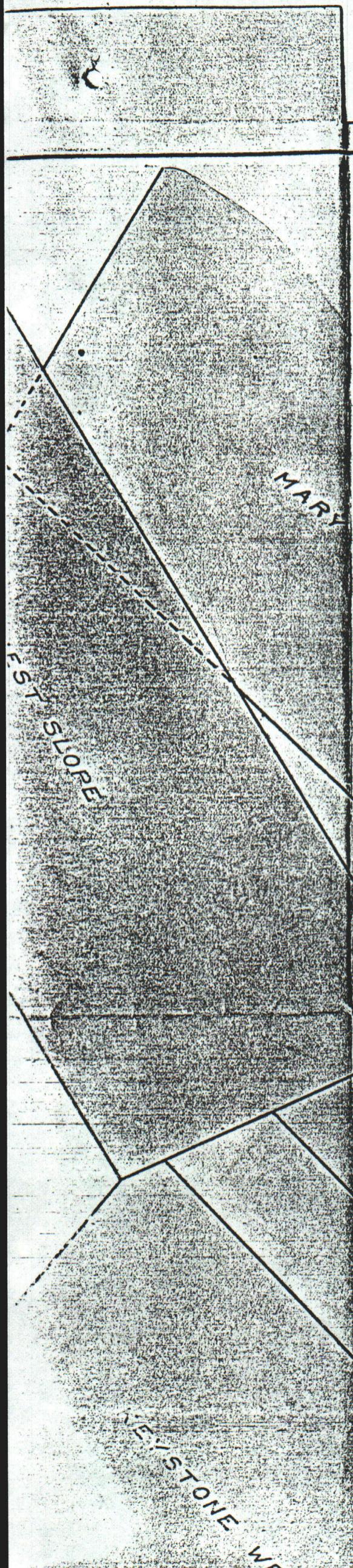
CLAIM MAP  
SHOWING  
THE SUMMIT GROUP  
(GOW PROPERTIES)  
IN THE  
ESMERALDA MINING DISTRICT  
AURORA NEVADA

Sept., 1900 Scale 1:200

Summit Group  
(Gow Property) Gow Consolidated Gold Mines Co.







WES'

FRACTION

FORTUNA

FRACTION.

STAR

BRIGHT

WEST

1353-170-1250-104-1334  
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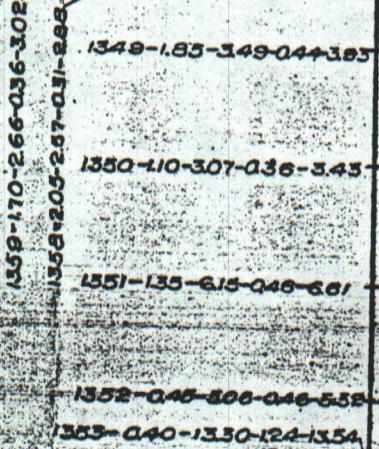
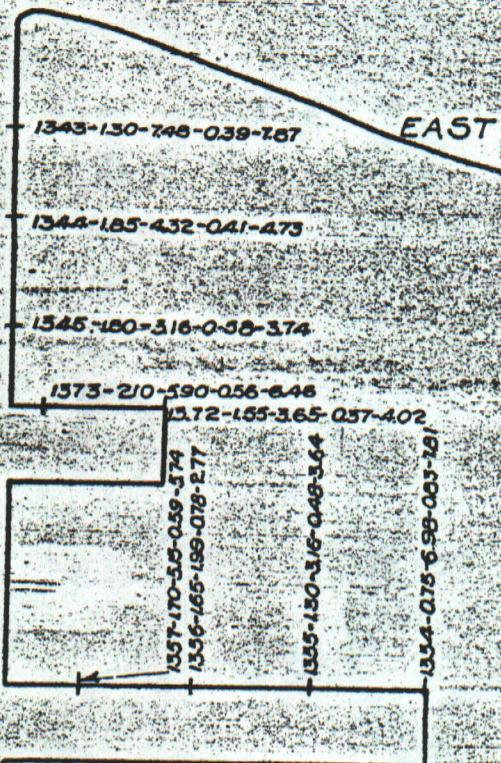
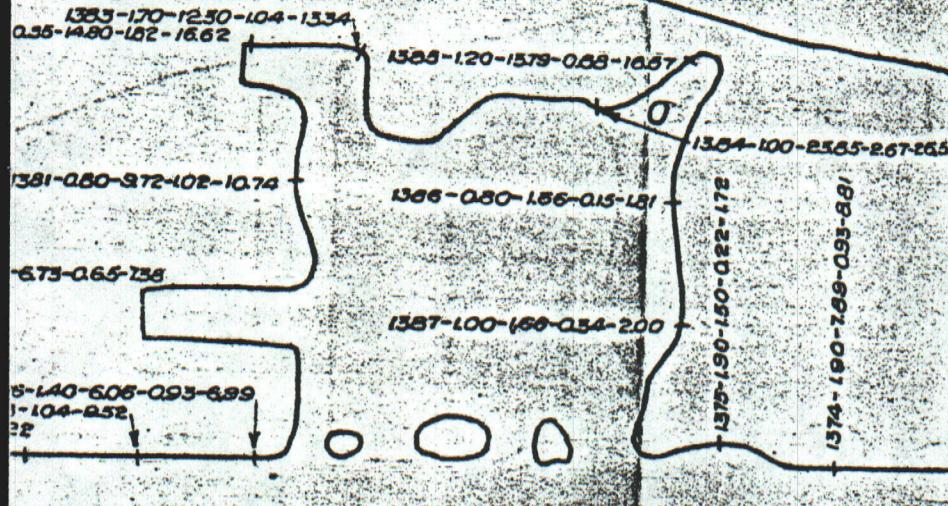
1358-204-247-031-842

SUMMIT M  
AURORA NEV.

PROJECTION PE  
DICULAR TO DIP C  
Sept. 1911 Scale

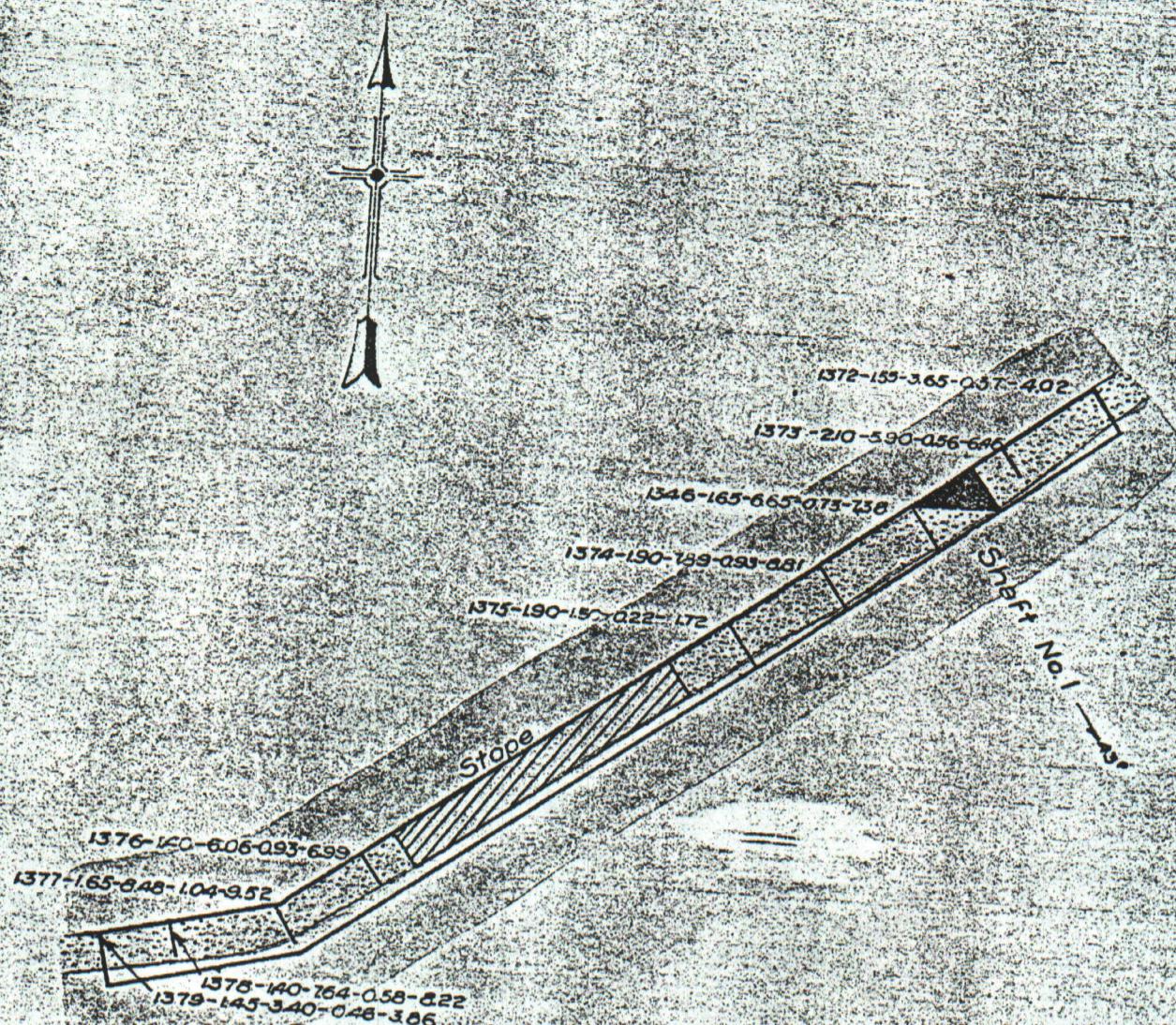
KEY OF ASSAYS  
1<sup>st</sup>: Number of sample  
2<sup>nd</sup>: Length of sample in meters.  
3<sup>rd</sup>: Gold value in U.S.Cy.  
4<sup>th</sup>: Silver value in U.S.Cy.  
5<sup>th</sup>: Total value in U.S.Cy.

Sheet No. 2



SUMMIT MINE  
AURORA NEVADA

PROJECTION PERPENDICULAR TO DIP OF VEIN  
Sept. 1911 Scale 1:200



## SUMMIT MINE

AURORA NEVADA

ASSAY PLAN OF  
FIRST LEVEL

Sept. 1911 Scale 1:200



Pay Ore



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## KEY TO ASSAYS

- 1<sup>st</sup>: Number of sample.
- 2<sup>nd</sup>: Length of sample in meters.
- 3<sup>rd</sup>: Gold value in U.S.Cy.
- 4<sup>th</sup>: Silver value in U.S.Cy.
- 5<sup>th</sup>: Total value in U.S.Cy.

Sheet No 4

1354-075-080-083-181

1355-130-316-049-364

1356-165-199-070-277

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1361-130-424-056-482

1362-085-041-05-056

1363-240-340-054-394

1364-230-150-022-172

1365-180-266-036-302

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1367-135-249-022-271

1368-160-915-036-472

1369-140-388-056-455

1370-160-315-059-574

1371-150-598-051-649

KEY OF ASSAYS

1<sup>st</sup>: Number of sample

2<sup>nd</sup>: Length of sample in meters

3<sup>rd</sup>: Gold value in U.S.Cy.

4<sup>th</sup>: Silver value in U.S.Cy

5<sup>th</sup>: Total value in U.S.Cy.

SUMMIT MINE

AURORA NEVADA

ASSAY PLAN OF  
SECOND LEVEL

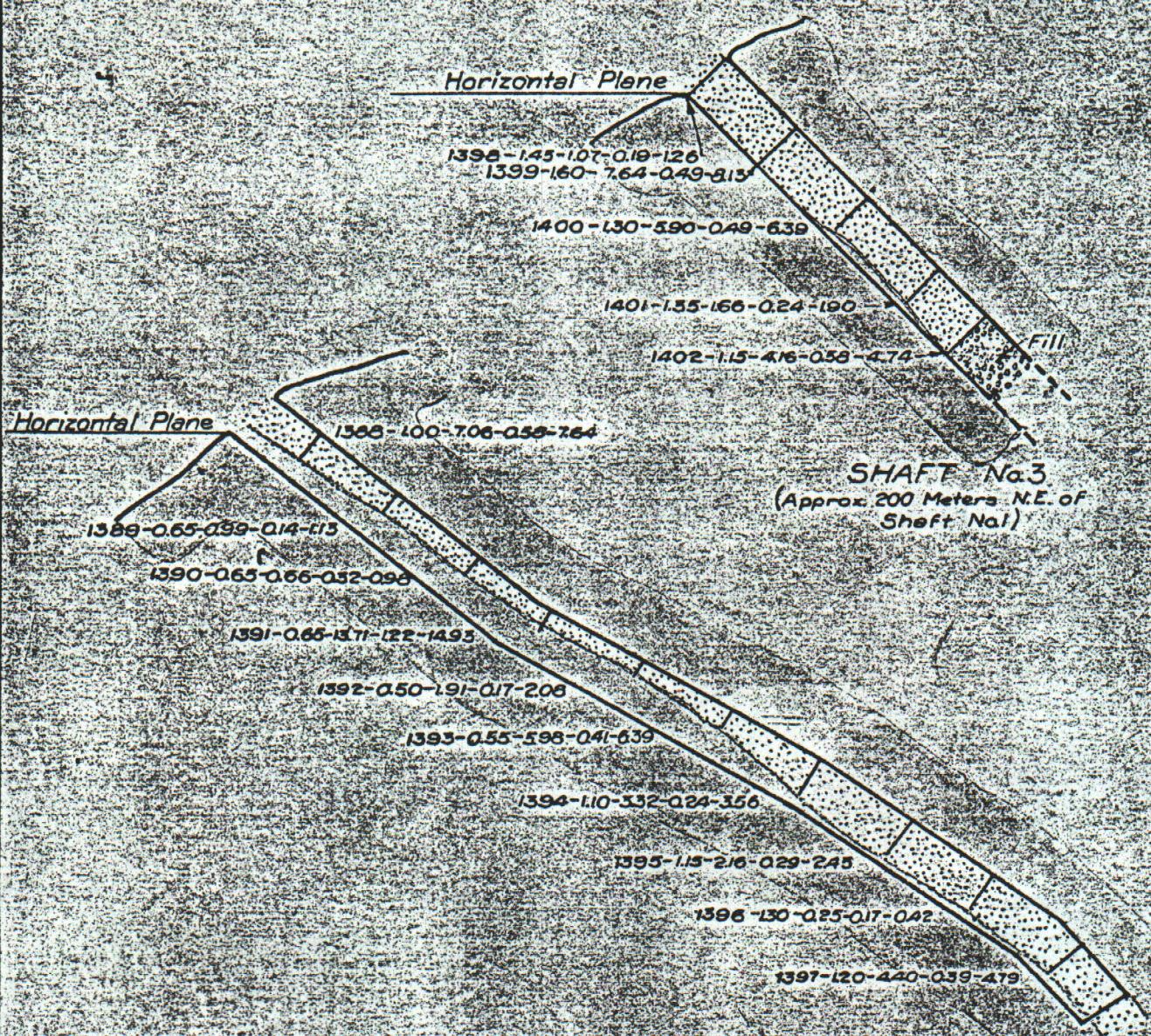
Sept. 1911 Scale 1-200



Quartz



Andesite



## SUMMIT MINE

AURORA NEVADA

ASSAY PROJECTION OF  
SHAFTS Nos. 2 & 3  
Sept. 1911 Scale 1:200

### KEY TO ASSAYS

- 1<sup>st</sup>: Number of sample
- 2<sup>nd</sup>: Length of sample in meters
- 3<sup>rd</sup>: Gold value in U.S.Cy.
- 4<sup>th</sup>: Silver value in U.S.Cy.
- 5<sup>th</sup>: Total value in U.S.Cy.

 Quartz    Andesite