

SUMMARY REPORT ON

STORY OF THE CO. STORY CRISTO (MURPHY) TUNGSTEN PROPERTY White Pine County, Nevada

H. N. WITT August, 1940

This property, submitted by Mr. Vilas F. Adams of Kingman, Arizona, was taken under option early in July from the owners, J. G. O'Brien, Murphy Bros., et al, of Ely, Nevada.

The property consists of 30 claims all held by recent location. It is situated in the White Pine Range near Monte Cristo Springs.

The property is reached via Highway 40 east from Ely, about 40 miles to the old Hamilton road and thence south about 17 miles on good dirt road to Monte Cristo Springs.

The region is one of steep topography on the west flank of the White Pine Range. Elevations vary from 6500 at Monte Cristo Springs to over 9000' at the crest of the range. The group of claims extends for a distance of 2 miles in a North South direction with a width of 3 to 5 claims. Four precipitous canyons cut across the area, the range in altitude between gulches and ridges being as

great as 2000 feet, the top of some of the ridges exceeding 8000 feet in altitude.

No development work has been done on the property, nor had all of the location work been completed when the option was granted. This work was subsequently completed by the company. A aerial survey by Fairchild was made on July 5 prior to commencement of sampling. Four claim corners shown on the attached claim map were marked on the ground with large white crosses, to serve as controls for the aerial survey. These points are clearly visible on the accompanying aerial photographs. These photographs, 61 contact prints, are numbered 128 to 188 inclusive. Due to lack of familiarity with the country the area was "overflown" and only a portion of the print covers the area of the claim map within which the sampling was done. These photos have been segregated into two groups. One group covers the area of the claims and includes photos 132 to 137, 148 to 153, 163 to 167 and 180 to 184. On these photos are indicated in

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ink the areas sampled and the claim corners marked with crosses. The second group of contact prints covers the balance of the area photographed.

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This property was reported to contain an enormous deposit of low grade tungsten ore contained in wide garnet zones continuous for 2 miles across the 4 major canyons. Granitic intrusives were also reported. The preliminary examination, with the ultra violet lamp, made in the Cabin Group area seemed to bear out the statement as to size of

ledges and the wide distribution of scheelite. Therefore, camp was established at Monte Cristo Springs, crushing and grinding equipment for adequate panning of samples was installed and bulldozer roads were built up the 4 principal canyons, Cabin Gulch, Hoppe Canyon, Little Fair Canyon and Saw Mill Canyon (see claim map and aerial photographs).

Mr. O. W. Terry was made field foreman in charge of sampling.

reconnaissance and 3 nights in ultra violet lamp reconnaissance in order to outline the areas to be sampled. This reconnaissance sance showed the garnet ledges to lack the size or continuity indicated in Cabin Gulch but the property still showed considerable areas of what appeared to be low grade scheelite ores that might be cheaply mined and milled.

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No intrusives were found. The area reported to be granitic, the light colored dome like hill between the mouths of Hopse Ganyon and \$80,000 Gulch, proved to be a much disturbed limestone seamed with quartz veinlets. Some gold production had come from this area in the past. One pocket valued at \$80,000 was reported found in \$80,000 Gulch but subsequent prospecting has found little else.

The garnet/ are replacements in a series of limestones (probably Paleozoic) that have been much faulted and folded and probably overlie a granitic intrusive body which is not yet exposed by erosion. In the southern portion of the property these beds are relatively flat lying in broad folds often faulted (see attached cross section). In the northerly and

westerly portions beds stand at high angles usually with steep westerly dips. Due to the early collapse of the sampling campaign no detailed geologic work was completed.

Four areas were sampled in detail. These areas and sample numbers are indicated on the claim map and aerial photos. The detail of each area is shown on the individual sketches attached hereto.

All samples were 5-foot cuts, each weighing about 50#. There were packed off the ridges by pack horses and hanles off to damp by trucks. They were first crushed to 1/2" and put through a Jones sample splitter, retaining a 5# cut. This cutawas then ground in pulverizer to 20 mesh. Exactly 1# was weighed but from the pulp for panning and the remainder conserved for check assay. The panning procedure was constantly checked by examining concentrates and tails under the ultra violet lamp. A final concentrate was weighed on pulp scales and the result expressed in percentage of scheelite (80% WO3). The panner on this job although an experienced gold panner had no previous experience with scheelite and his concentrates proved to be dirty and consequently overweight. This was in part due to the presence of fluorescent Powellite and the endeavor of the panner to save all heavy fluorescent material in his concentrates. Not all samples were panned before the examination was terminated. The attached list shows the results on those that were panned.

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As a check on the first lot of samples panned, 6 of the conserved samples were sent to Hanks for assay with the following results:

Sample No.	Goldfield Consolidated CaWO4 Results from panning	Hanks' analyses
1 13 14 15 31 32	0.528 .132 .132 .396 .330 .854	0.10 0.07 0.08 0.07 0.17 0.18
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These results indicated that something besides scheelite was being saved in the concentrate and this mineral was showing fluorescence under the lamp. A sample showing excellent fluorescence but low panning results was sent to the U.S. Geological Survey for examination. The Survey reported that this sample contained Powellite but no scheelite. The sampling was thereupon stopped and the property abandoned.

SAMPLED AREAS:

Cabin Gulch Claim: The location of the samples within this area is shown on the attached sketch by Mr. Terry. The scheelite bearing area is one of partially garnetized scheelite bearing limestone, much folded and faulted and banded east/west by fault contacts with slate. Some relatively high grade ledges exist but the average grade is low probably not in excess of 4/10 of 1%. Some of the Tluarescent material shows a yellowish color under the lamp and may be Powellite but no separate determinations were made on specimens in this area.

Just south of the Cabin Culch area. In it is a wide zone of garnet alteration showing some good ore under the lamp, and some wide areas of low grade ore. The sampling indicates that it is not of commercial grade.

Cabin Gulch No. 4: This area is on the same ridge but west of Cabin Gulch No. 5 area in a small area of garnetization. Results are low.

Steel King No. 1: Some quartz float found in Hoppe Canyon showed fluorescent minerals under the lamp. This small area of quartz veinlets in limestone was therefore partially sampled. The result was disappointing.

Steel King No. 3: Mr. Terry has made 3 sketches of the sampling on this claim and one diagramatic east-west section, all attached hereto. The cross section shows the flat attitude of the beds in this section. The limestones are slightly garnetized and some of them are seamed through by quartz weighters occasionally carry fluorescent minerals. It was therefore hoped that these beds might constitute large bodies of low grade ore that could be cheaply mined by open cut methods. However, the sampling showed the values to be too erratic and too low grade to be of interest.

only due to lack of continuity of scheelite mineralization, but also due to the very low grade of scheelite ore and the wide spread presence of Powellite. The values and the extent of mineralization are not sufficient to warrant further development.

Respectfully submitted,

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RESULTS OF PANNING - MONTE CRISTO PROPERTY

Sample No.	Weight	Weight of Conc. Gms.	Scheelite	Remarks
1	1 1b.	1.100	₹ .528	0.10 WO3 (Hanks)
2	1 1b.	3.742	× .814	
3	1 lb.	•900	.198	
4	1 1b	3.300	.726	
. 5	1 lb.	2.100	.462	
6	1 1b	1.800	.396	
7	1 1b.	1.400	•308	
8	1 16	.500	.110	
9	1 1b,	2000 .700	.154	
8 9 10 11 12 13 14 15 16 16 16 16 16 16 16 16 16 16 16 16 16 1	1416. 846	1,240 1,240 1,000 1,240 .600 .600 1.800 1.700	.264	
11 /	\$ 1 18°.	300 · 300	.066	
12 / 29	28°154	600	.132	
13/	Palper	.600	.132	0.07 WO3 (Hank)
140 soften	2 1 Tb.	.600	.132	0.08
15 5 10 000	1 1.6°.	1.800	•396	0.07
16th , 10 60 50	2 1b;	1.800	•396	
1700 05 50	tolb.	.300 .600 .600 1.800 1.700 2.200	.374	
18 1000	1 1b. 1 1b. 1 1b. 1 1b. 1 1b.	2.200	-484	
19	1 1b	•700	.154	
20	1 1b.	1.800	•396	
21	1 1b.	4.400	.968	

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22 1 1b500 .088	
	A Standard of
23 1 1b. 2.100 .462	
24 1 1b. 1.100 .242	
25 1 1b. 1.400 .308	
26 1 1b. 2.100 .330	
27 1 1b. 1.500 .484	
28 1 1b100 .022	
29 1 1b 2.800 see note	
30 1 1b100 .022	
31 1 1b. 1.500 .330	0.17 WD3 (Ho
32 1 1b. 3.900 .854 33 1 1b. 1.500 .330 34 1 1b. 1.000 valiable .220 35 1 1b. 1.000 valiable .1.8x8 36 1 1b. 2.000 2 contained .1.8x8 36 1 1b. 2.000 2 contained .440 37 0 1 1b. 2.000 2 contained .440 38 1 1b. 2.000 2 contained .440 39 1 1 1 1b. 2.000 2 contained .440 39 1 1 1b. 2.000 2 contained .440 30 1 1 1 1b. 2.000 2 contained .440 30 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.18
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34 1 1b. 1.000 validad 1.000 35 1 1b. 1.000 validad 1.000 36 1 1b. 1.000 validad 1.000 37 0 1 1b. 1.000 validad 1.000 38 1 1b. 1.000 validad 1.000 39 1 1b. 1.000 validad 1.000 198 39 1 1b. 1.000 validad 1.000 198 40 1 1b. 1.000 validad 1.000 1.518	
35 1 16 0 th 1008 14000 15 tolined 1.848	
36 1 1b. 200 2.000 00 1810 .440	
37 6 1 100 1000 1000 220	
38 1 1b. 000 .198	
38 1 1b. 1000 198 39 10 1b. 1000 2.900	
40 10 10 10 10 10 10 10 10 10 10 10 10 10	
41 15 1b. 55 10 1	
42 1 1b700 .154	
43 1 16.	
44 1 1b.	
45 1 1b. 2.800 √.616	
46 1 1b. 1.100 .242	
47 1 1b. 2.000 .440	

	Sample No.	Weight	Weight of Conc. Gms.	Scheelite	Remarks
	48	1 1b.	.500	.110	
	49	1 1b.	1.600	•352	
	50	1 1b.	4.400	•968	
	51	1 1b.	•500	•110	
	52	1 1b.	1.200	-264	
	53	1 lb.	2.100	•462	
	54	1 1b.	2.100	•462	
	55	1 1b.	1.000	•220	
	56	1 1b.	•700	.154	
	57	1 1b			
	58	1 1b.	.200	.044	
Samples 1-60	59	1 1b.	None		
	60	1 lb.	.100	.028	
CABIN GULCH	61	1 1b.	.100 1 k	end 15 no 022	
# 4	62	1 1b.	.100% T mar	20 84° 5 50 022	
	63	1 1b.	1 .100 peen	and 000000	
	64	1 16, 0	·100 T The look of	200 2022	
	65	1 1b.	n.o. 100	.022	
	66	1 18.	600 100 cec "	.022	
CABIN GULLA	67	1 150	DUDITE . 100	.022	
25	68	1 16.50	productive 100 or	.022	
	69	1 16.	Details . 200	.044	
	70	1 1b.	.100	•022	
	71	1 1b.	•100	.022	
	72	1 lb.			
	73	1 1b.	.100	.022	
	74				

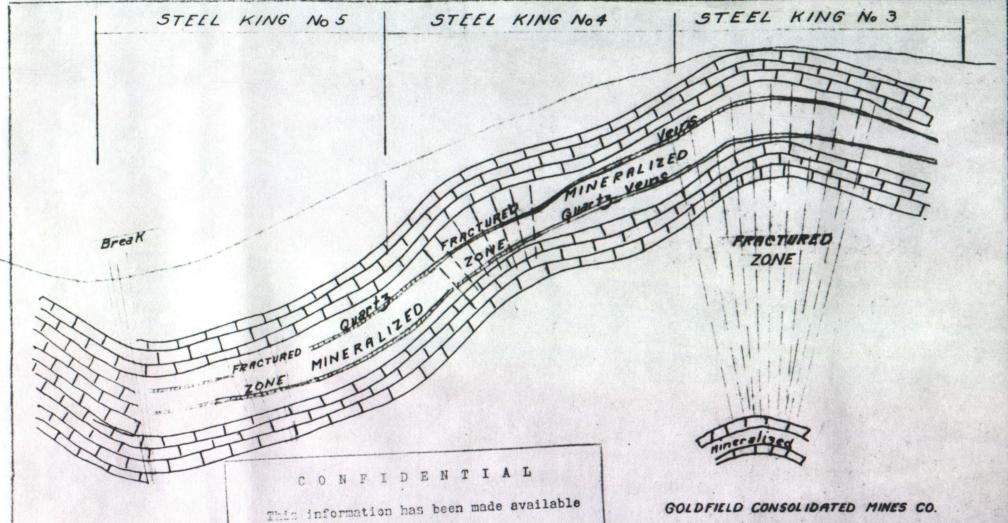
	Sample No.	Weight	Weight of Conc. Gms.	Scheelite	Remarks
	75				
	76	1 1b.	.100	.022	
	77				
	78	1 1b.	.100	.022	
	79	1 16	.100	.022	
	80				
	81 .	1 1b.	.100	.022	
	82				
1	83	1 1b.	.400	.088	
CABIN GULCH	= 5 84				
1	85	1 1b.	N F I D E N T I	i .022	
	86		MII	as avails.	
	87		I DE been m	and is no mod	
	88	0	N E JOB has CY only	contracto	
	89	0	arormatical Survey To	25 25 807 F	
	90	This.	N F I D E N T I	ade de not contratace	
	91	111h - "	100	222	
	92	802	permission from:		
	93	1 1b. 76	87III 351 . 100	.022	
	94	1 lb.	.100	.022	
	95	1 1b.	.800	.176	
	96				
	97	1 16.	.100	.022	

	Sample No.	Weight	Weight of Conc. Gms.	% Scheelite	Remarks
	98				
	99	1 1b.	.100	.022	
CABIN GULCH	100				
# 5	101	1 1b.	.100	.022	
	102	1 16	.100	.022	
	103	1 1b	.600	.132	
	104	1 1b	.700	.154	
A., .	105	1 1b	.100	.022	
	106		Volume 1		
	107	1 1b.	.100	.022	
CABIN GULCH	108	1 1b.			
# 4	109	1 1b.	Formation 100 of only on the social s	1 0318010	
	110		ENT	Te says	
	111	1 1b.	1 2.500been	and .110 Ped	
	112	1 16.00	Mation 100es of	.0220	• >
	113	1 16. 35	30 The color 800	100t 5P.176	
1	114	A 19 Jug	30020 15 100 es Will	.022	
^	115	1 1 PRO 2	Formation 100 of only only only only only only only only	.044	
	116	1 12 rer	ein stor foo	.022	
CABIN GULCH E	15 117	1	De LILLES		
	118	1 16.	.100	.022	
	119				
	120	1 1b.	.100	.022	
	121				
	122	1 lb.	.300	•066	
	123				

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	Sample No.	Weight	Weight of Conc. Gms.	Scheelite	Remarks
CARN GULL	124	1 1b.	.300	.066	
1	125	1 1b.	.100	.022	
	126	1 16	1.100	.242	
	127	1 1b.	.100	.022	
STEEL KII	128	1 1b	.500	.110	
No. 6.	129	1 1b.	.500	.110	
	130	1 1b	.100	.022	
· ·	131	1 1b.	.600	.132	
1	132		Civil Co.		
	133	1 1b.	•500	210	
	134			1	
	135	1 1b.	Information has been in Geological Survey on the Geological Survey on t	V V8.0222	
	136	1 1b.	Thornation 100 been in 100 bee	200 2 159t a	
STEEL KING	137	1 1b.	N T 1 . 100 been	and operations spectfic	
	138	0	Cornection Survey	obecirio .	
	139	This	ini ological cotion.	Chock Br	
	140	7/200	150 - 400	.066	
	1.41	1 502	information survey only Geological Survey only Geological Survey 300 ted Public is 300 ted Permission from:		
	142	\ n	erein ission i		
	143		Dern		
	144	1 1b.	.100	.022	
	145	1 1b.	.100	.022	

NOTE sample 29: In changing over to new pulveriser sample was ground too fine. Also particles of very fine solder (babbit) in sample. Entire weight of sample 2 gm. 800 mgs. About 800 mgs. of impurities in sample.



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MONTE CRISTO PROPERTY

IDEAL SECTION

LOOKING NORTH

ALONG RIDGE NORTH OF LITTLEFAIR CANYON

SCALE: 1" 200 FT.

DWG No. 206. Sheet No!

I'ra Quarts. Out crop HOPPE CANYON GULCH

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> Scale . 1": 40ff. DWG No 206. Sheet 2

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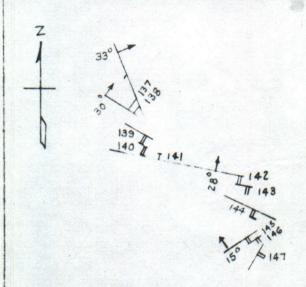
STEEL KING No.3

FASTERN PORTION

North Side of Little fair Canyon

Scale 1"= 40ff. DWG No. 206. Sheet 3

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Scale . 1": 40 ft.

DWG. No. 206 . Sheet 4

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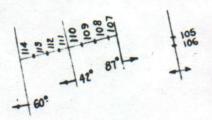
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Scale 1" = 40ff.

DWG No. 206 - Sheet 5

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Item 73



Location Monument Cabin Gulch No. 4.

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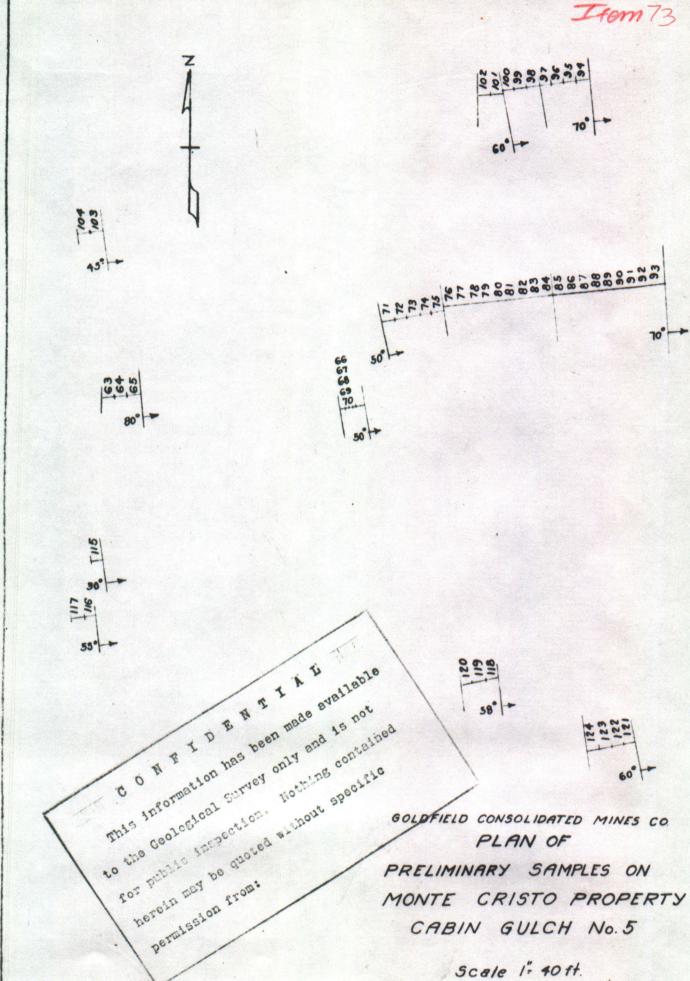
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Cabin Gulch No 4

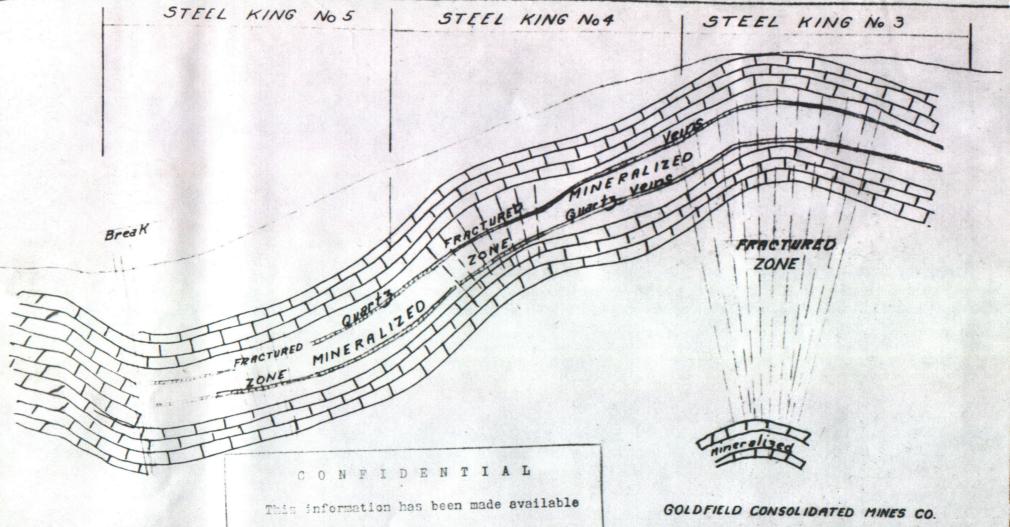
Scale-1"-40 Ft.

DWG No 206 Sheet 7

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DWG No 206 . Sheet 8



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MONTE CRISTO PROPERTY

IDEAL SECTION

LOOKING NORTH

ALONG RIDGE NORTH OF LITTLEFAIR CANYON

SCALE: 1": 200 FT.

DWG No. 206 . Sheet No!

1129 Quarts Out crop HOPPE CANYON GULCH

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MONTE CRISTO PROPERTY STEEL KING NOI

North Side of Guich

Scale . 1": 40ff. DWG No 206. Sheet 2

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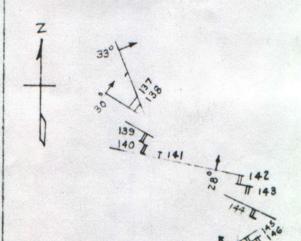
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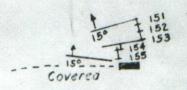
North Side of Little fair Canyon

Scale 1"= 40ft.

DWG No. 206. Sheet 3

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STEEL KING No 3

CENTRAL PORTION

Permission from:

North Side of Little fair Canyon

Scale . 1 : 40 ft.

DWG. No. 206 . Sheet 4

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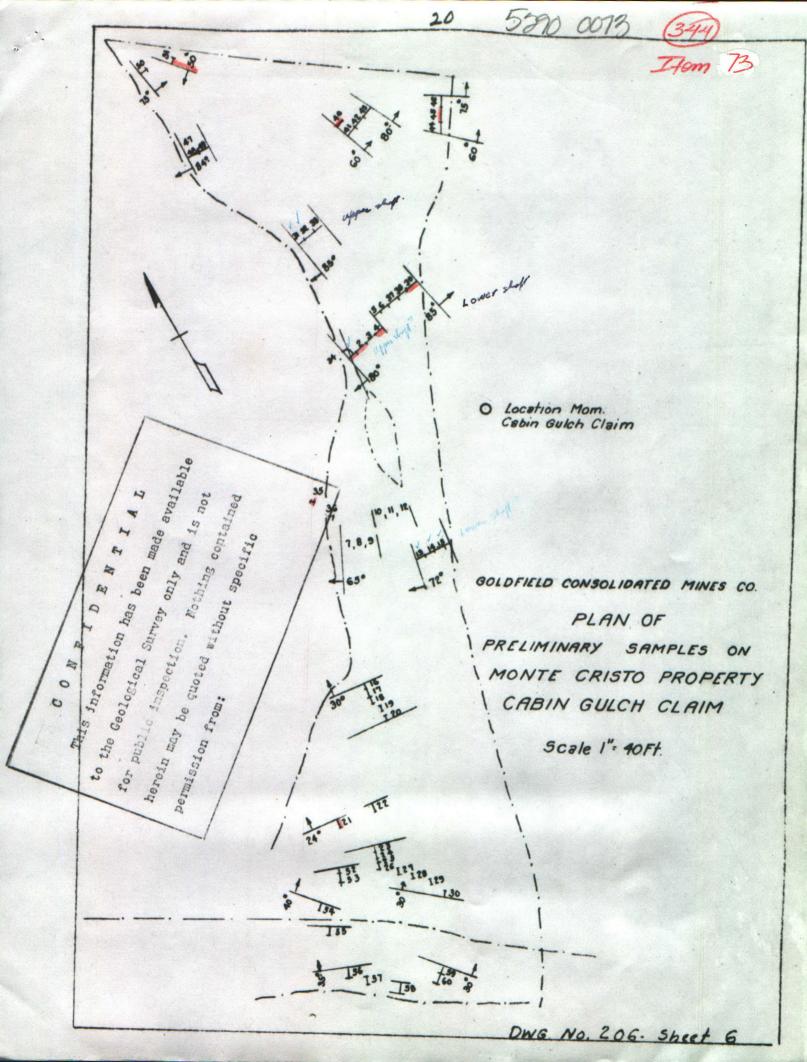
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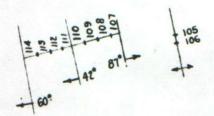
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DWG No. 206 - Sheet 5



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Location Monument Cabin Guich No.4.

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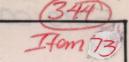
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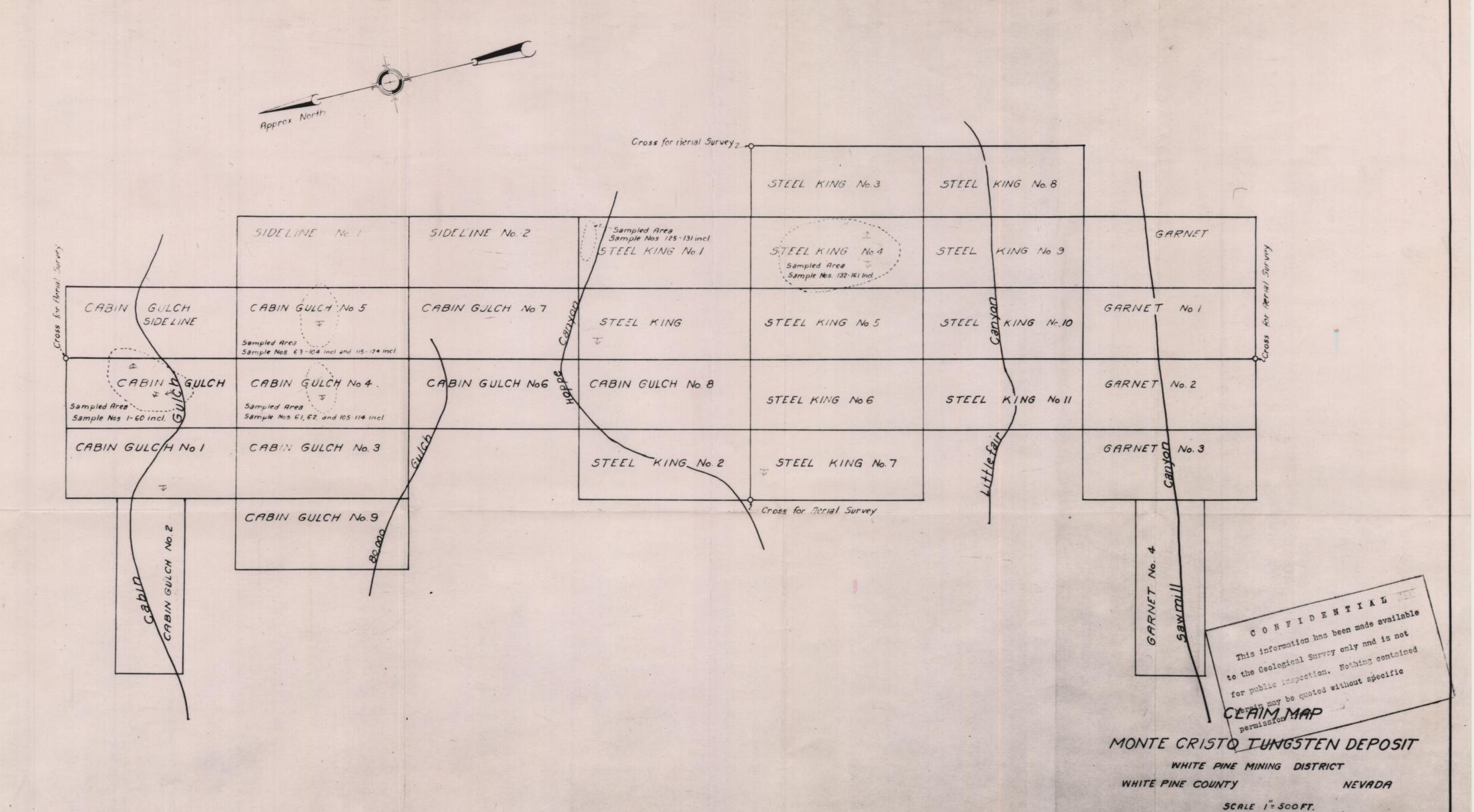
PRELIMINARY SAMPLES ON

MONTE CRISTO PROPERTY
CABIN GULCH No 4

3cale-1"-40 Ft.

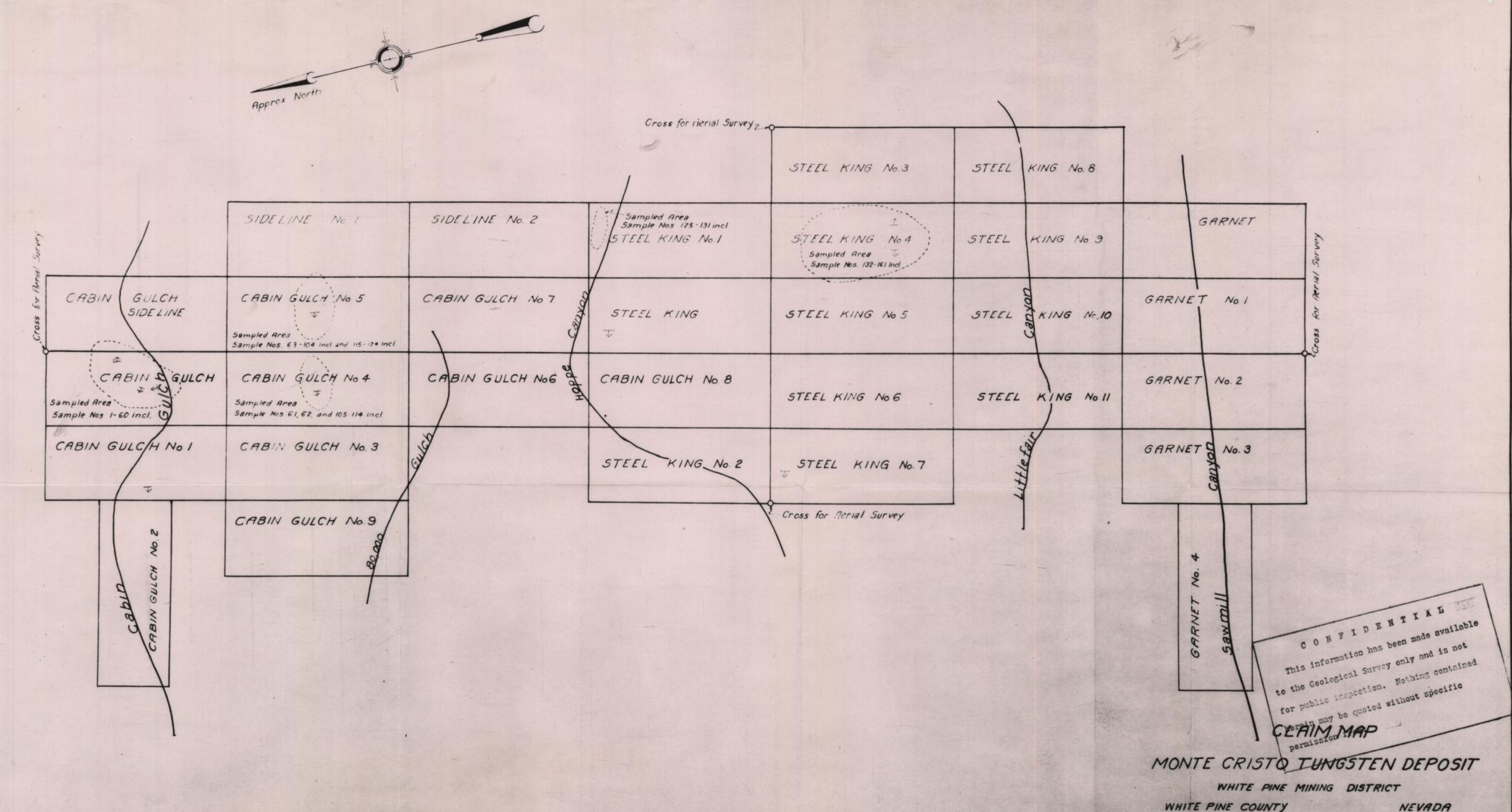
DWG No 206 Sheet 7





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To accompany report of H.N. With dated July 1940 For Goldfield Consolidated Mines Co.



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SCALE I'S SOOFT.

To accompany report of H.N. With dated July 1940 For Goldfield Consolidated Mines Co.