State Department of Geology and Mineral Industries

1069 State Office Building
Portland 1, Oregon

Preliminary Report

SUMMIT LAKE TALC PROSPECTS

Upper Applegate Dist.
Jackson County

Owners: Henry L. Jacobson, Sr., Hans J. Peterson, Herbert H. Tetter, and Henry L. Jacobson, Jr., all of Seattle, Washington.

Area: Two lode claims were posted on December 7th 1959. Claim No. 1 runs west along the ridge from Summit Lake. The northwest corner of No. 1 claim is the south center end of claim No. 2 which runs north down the hillside.

Location: The claims are located in the center of sec. 11, T. 41 S., R. 3 W., between 4,000 and 4,800 feet elevation.

History: The occurrence has apparently been known for many years judging from the initial carvings along the ridge trail southwest of Summit Lake. The locators were told of the occurrence by Emmet(?) Phillips. A few blocks of the talc had reportedly been sawed and pac' ut for chimneys.

Geology: The talc occurs as lenses and sinuous layers in the pre-Triassic schists. The schist is a greenish gray color composed of chlorite, sericite, quartz, talc, and minor amount of graphite.

Near the east end of No. 1 claim two or three talc zones occ in schist that strikes about N. 50° E. and dips steeply northwest. imensions of the talc bodies were not determined due to lack of good outcrops and absence of any trenching. Widths up to about 10 feet are indicated by float at the surface.

The talc occurrence on No. 2 claim lies between about 4,650 feet elevation and 4,100 feet elevation (altimeter readings are inaccurate due

to a rapid barometric change). At about 4,625 feet several large blocks of talc up to 10 feet in diameter occur between two small ridges of gray schist. At this point the talc zone may be as much as 20 or 30 feet wide but it is obscured by surface mantle. Foliation in the schist on either side of the talc strikes N. 30° E. and dips from 55° to 70° W. About 200 feet down the hill (north) the talc zone appears to be only about 10 feet wide.

Below the north end of claim No. 2 there has been extensive landsliding over a zone about ¼ mile wide and extending north down the slope a little over a mile to Squaw Creek. This ancient landslide very likely dammed the small stream to form Squaw Lakes. The slide area is still active and the hummocky slope contains many ponds. Boulders of talc are fairly common in the slide area.

The talc is a pale greenish-gray to tan color and is stained by iron oxides especially on fractures and in zones of more abundant limonite after pyrite. It is mainly of the massive or blocky variety and a smaller amount is schistose. The amount of non talc minerals or impurities has not been determined. Except for the limonite and pyrite most of the talc appears to be fairly pure.

Visited: With H. L. Jacobson, Sr., & H. H. Tetter 12/22/59.

Report by: Len Ramp 12/28/59.

* * * * * * * *

DATE : 14-AUG-87

HG SCHLICHER & ASSOC. - TALC

CODE	SAMPLE NAME	DD-MMM-YY HH:MM	SIO2 % SC WT% FE203	AL203% V WT% TOTAL	TIO2 % BA WT%	TOTFEO RB WT%	MNO % SR WT%	CAO % ZR WT%	MGO % Y WT%	K2O % NB WT%	NA2O % GA WT%	P2O5 % CU WT%	NI WT% ZN WT%	CR WT% FEO
TRA1	HGS-HP2	12-AUG-87 00:10	60.78	2.44	0.038	4.95	0.051	0.04	30.83	0.00	0.00	0.006	0.1573	0.2295
			0.0002	0.0031	0.0000	0.0002	0.0004	0.0011	0.0001	0.0000	0.0004	0.0004	0.0039	4.4600
			0.5500	99.1400										
TRA1	HGS-HP3	12-AUG-87 06:20	61.81	1.60	0.020	4.50	0.054	0.00	31.12	0.00	0.00	0.001	0.1519	0.2273
			0.0004	0.0011	0.0000	0.0000	0.0001	0.0009	0.0001	0.0000	0.0005	0.0001	0.0058	4.0500
			0.5000	99.1100										
TRA1	HGS-HP10	12-AUG-87 06:21	61.38	1.79	0.021	4.97	0.049	0.00	30.70	0.00	0.00	0.000	0.1503	0.2376
			0.0005	0.0017	0.0000	0.0000	0.0003	0.0010	0.0001	0.0000	0.0000	0.0006	0.0063	4.4700
			0.5500	98.9100										

Please note that these are unnormalized values.

Fe is given as FeO (TOT FEO) and all H_2O, CO_2 and other volatiles are lost in the fusion process.

Because we don't analyze for volatiles, to use the analyses you must normalize the major elements (SiO_2 through P_2O_5) to 100% and always quote the results as being "normalized on a volatile-free basis with Fe as FeO".

Also provided in the last three columns are:

FeO = 0.9 Fe as FEO
Fe_2O_3 = 0.1 Fe as Fe_2O_3
} as used in Mg' value calculations

TOTAL = Total of unnormalized values for major elements SiO_2-P_2O_5 with Fe as FeO.

A rough estimate of loss on ignition is 100 − TOTAL — in the order of 1% (which seems very low for talc). Let us know if you would like us to make a direct LOI measurement to check.

H.G. Schlicker & Associates, Inc.
7 S.E. 97th Avenue • Portland, Oregon 97216 • (503)257-9666
Geologists • Engineers

BULK SAMPLE ANALYSIS FOR ASBESTOS

REPORT

Report No.
Page No.

ORDER NO. 87-317
DATE July 30, 1987

CLIENT: Steatite of Southern Oregon

Project:

Date Analyzed: July 29, 1987

SAMPLE IDENTIFICATION			
LABORATORY NUMBER	HP-2	HP-3	HP-10
ADDITIONAL IDENTIFICATION INFORMATION	5 lb. chunk	5 lb. chunk	5 lb. chunk
GROSS APPEARANCE	White with dark streak	Dark on partings	Dark on partings
HOMOGENEOUS?	Yes	Yes	Yes
OBVIOUS LAYERS?	Chlorite	Chlorite	Chlorite
FIBROUS?	No	No	No
COLOR?	Gray; powder, white	Gray; powder, white	Gray; powder, white
DOES THE SAMPLE CONTAIN ASBESTOS?	No	No	No
ASBESTOS (Type & Percent) 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other, specify			
TOTAL PERCENT ASBESTOS			
OTHER FIBROUS MATERIALS (Type & Percent) 1. Fibrous glass 2. Cellulose 3. Other, specify			
NONFIBROUS MATERIALS (Description & Percent)	Talc; thin seams of chlorite	Talc; thin seams of chlorite	Talc; thin seams of chlorite

Analytical Analysis Method: EPA recommended PLM with dispersion staining

Sampled by: John Pugh

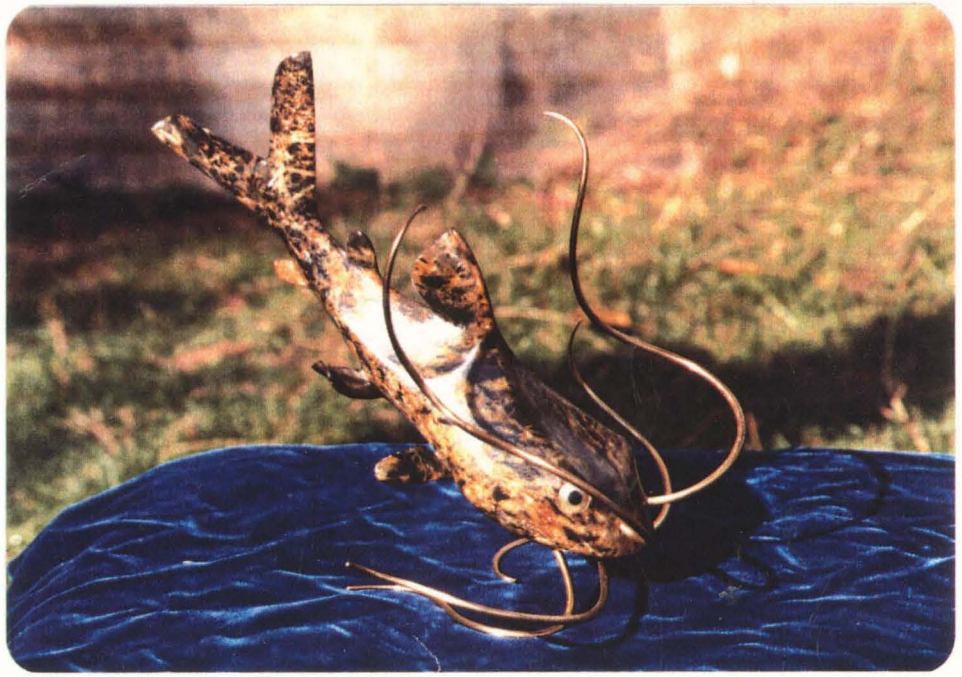
Reviewed and Approved By:

H. G. Schlicker

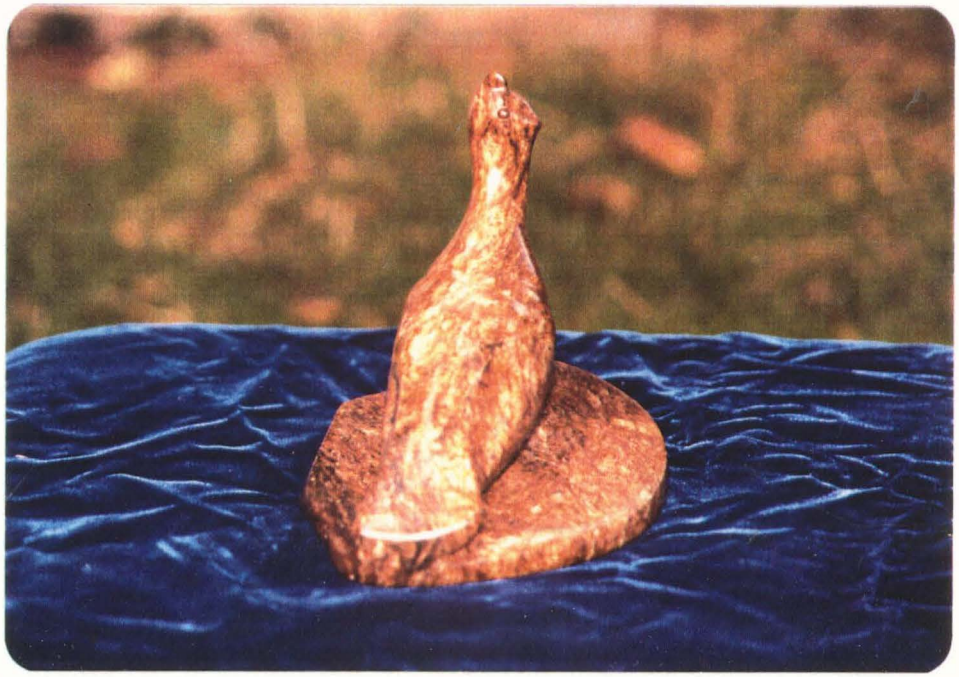
Analyzed by: H. G. Schlicker

Predrawn blocks with instruction booklet

From the most delicate



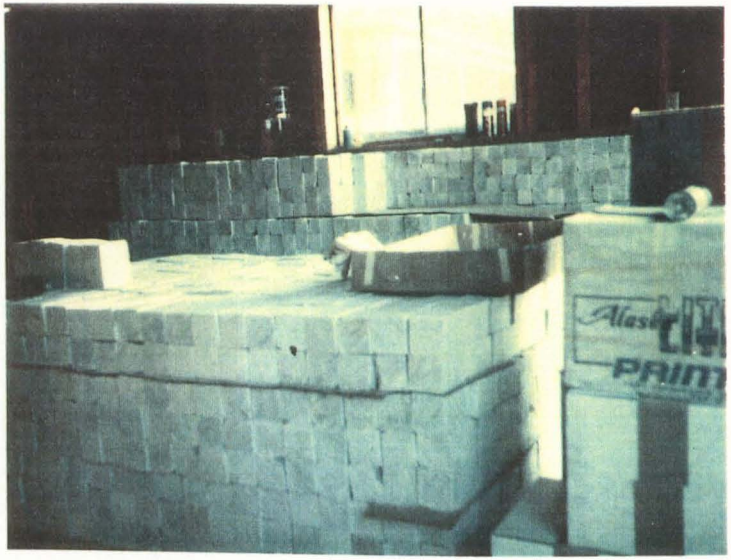
To the simply elegant



Our Top Quality Soapstone will meet your carving needs

Uncut Field Run

Trimmed & Inspected Pieces

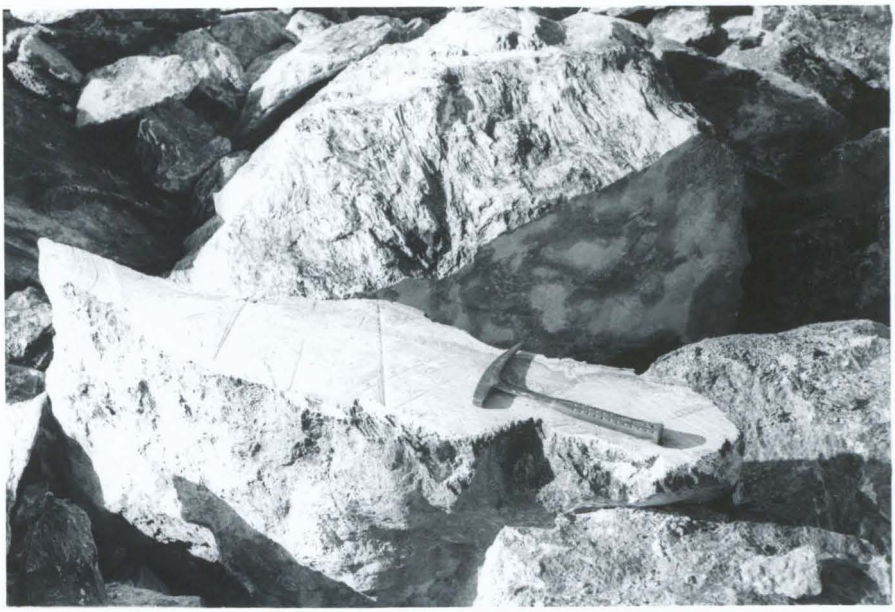


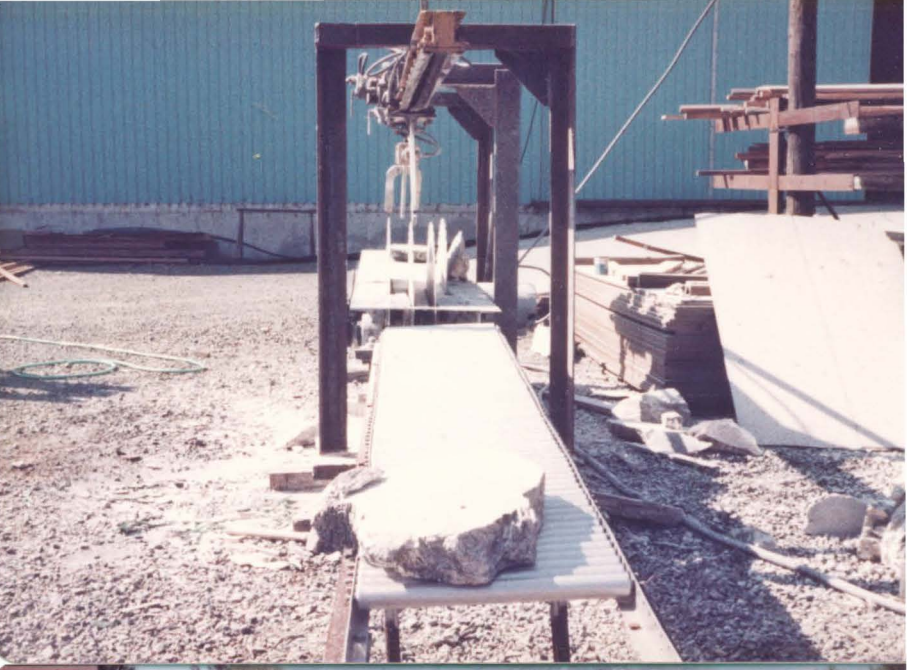
Any Size Dimensional Blocks

SEP • 77

NOV • 77

NOV • 77





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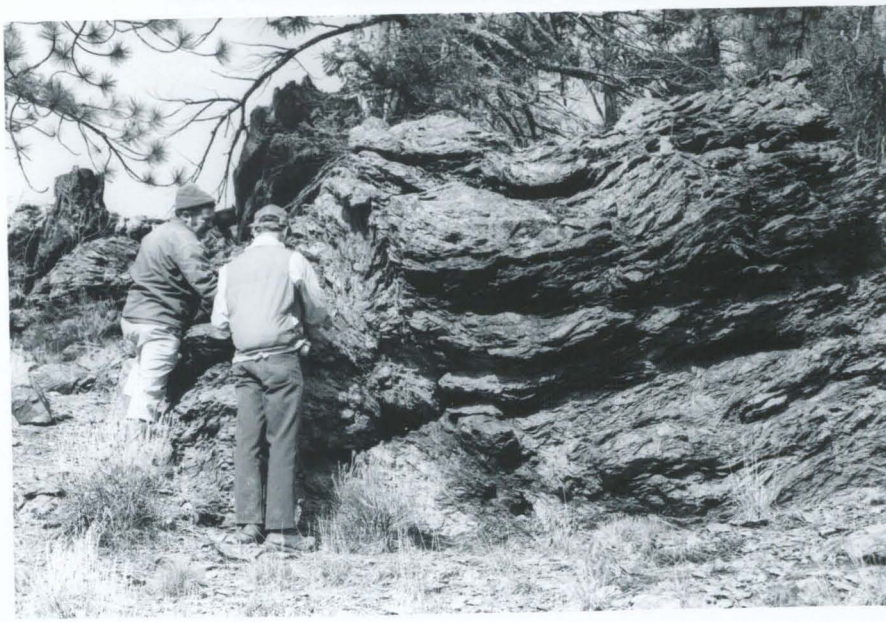

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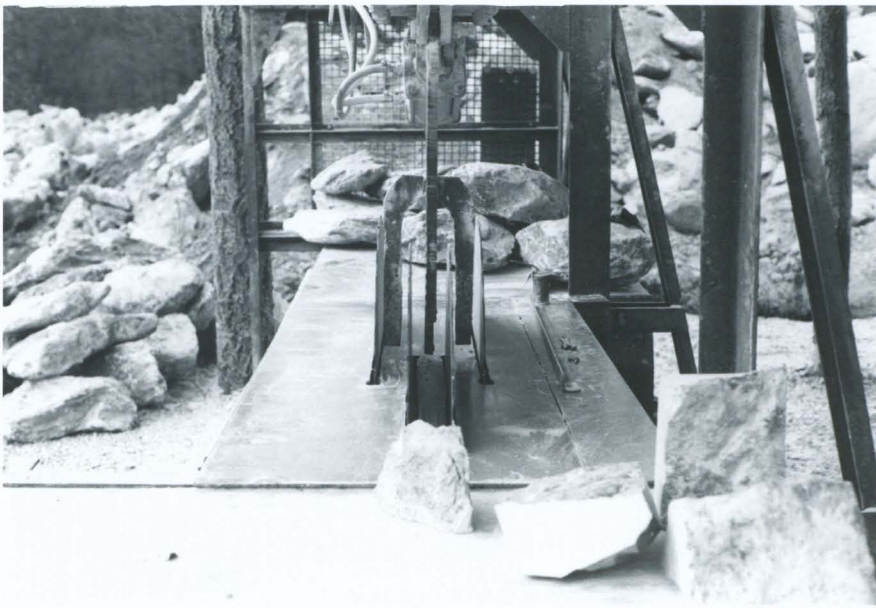

STEATITE of SOUTHERN OREGON, INC

2891 ELK LANE • GRANTS PASS, OREGON 97526

(503) 479-3646

JOHN H. PUGH
President

STEVE F. PUGH
Vice-President

We have received numerous requests for information on firing Soapstone carvings in the past several years and have asked our customers if they have experience in firing our stone. The following is a response from June Sinor of Nashville, Tennessee.

SOAPSTONE FIRING

Soak the pieces in refined Linseed Oil from 3 days to a week, depending on size, then wipe off excess oil and place on newspaper atleast another week.

Usually to be safe I test fire a large chip. I've been doing this by guesswork but a good piece of soapstone without major faults and not a lot of Talc crystals should be safe between these cone temperatures.

CONE	CENTIGRADE	FAHRENHEIT
012	840	1544
011	875	1607
010	890	1634
0 9	930	1706
0 8	945	1733
0 7	975	1787
0 6	1005	1841

This is as high as I fire. Within this range the color will usually be very dark to black and the hardness will be between 5 to 7 on the Mohs' scale. I've had one exception to this and the stone turned a hard marbled cream color. It looked like Jasper. I don't know the reason, two other pieces in the same load truned ebony black. Remember, the bottom of the kiln is cooler that the top so I set mine on the bottom to be safe. You must not open the kiln until it is compeletly cool. The stone will still be too hot to handle. I've not lost any pieces but I did fire three pieces of my students work without oiling them first and they came out a coarse, grainy buff color, very dry, full of tiny hairline cracks but they did not break so we dyed them black with shoe dye and polished them the usual way.

Well, this is all I know first hand but one of the men in my class carved a snake wrapped around a chipmunk. The stone was a nice clear green. He took a propane torch and heated the surface of the chipmunk so the snake stayed the orignal green of the stone and the chipmunk turned very dark. He had no cracks but I haven't had reason to try it yet myself. Also, I was told by a sculptor from New York that she put her pieces in her self cleaning oven and put it on the cleaning cycle and it hardened to probably a 3 Mohs' without losing too much color. I didn't think to ask her if it was oiled.

12,0323 Tons
.30

Statistics of S. Oregon Prod

1973	1,374	206.11 →	
1974	10,792	1,837.26	
Calendar year	Pounds sold	Income @ Base price	total Income from Processed stone
1975	32,864	$5,166	$5,650 Tons 16.4
1976	47,039	$7,678	$8,666 23.5
1977	393,542	$69,584	$77,528 196.7
1978	146,538	$30,674	$35,969 73.27
1979	146,823	$42,677	$53,870.27 73.4
1980	105,031	$30,105	$35,404.54 52.5
1981	114,835		
1982	102,266		
1983	83,681		
1984	43,961		
1985	48,650		
1986	68,853		
1987			

12-31-75	45,029.4	7,003.95		
12-31-74	12,165.7	# 1,837.76		
	32,863.7 lbs	# 5,166.19	#5,649.53	
12-31-76	92,068.5	14,681.85		
12-31-75	45,029.4	7,003.95		
	47,039.1	7,677.90	#8,665.82	
12-31-77	485,610.2	84,266.09	#5,859.07	
12-31-76	92,068.5	14,681.85	71,668.64	
	393,541.7	69,584.24	77,527.71	
12-31-78	632,147.8	114,940.18	18,399.78	
12-31-77	485,610.2	84,266.09	17,569.25	
	146,537.6	30,674.09	35,969.03	
12-31-79	778,971.0	157,616.72	25,359.13	1-1-79 - 6-30-79
12-31-78	632,147.8	114,940.18	28511.14	7-1-79 - 12-31-79
	146,823.2	42,676.54	538702 7	
	884,002.0	187,721.87	15052.80	1-1-80 - 6-30-80
12-31-79	778,971.0	152,616.72	20,351.74	7-1-80 12-31-80
	105,631.0	30,105.15	35.40454	

Date	Accumulative Pounds	Accumulative Value
12-26-73	1,374.1	# 206.11
9-15-73	0	0
8½ months 1973 =	1,374.1	# 206.11
12-31-74	12,165.7	1,837.76
12-26-73	1,374.1	206.11
1974 =	10,791.6	# 1,631.65
12-24-75	45,029.4	7,003.95
12-31-74	12,165.7	1,837.76
1975 =	32,863.7	# 5,166.19
12-20-76	92,068.5	14,681.85
12-24-75	45,029.4	7,003.95
1976 =	47,039.1	# 7,677.90
12-29-77	485,610.2	84,266.09
12-20-76	92,068.5	14,681.85
1977 =	393,541.7	# 69,584.24
12-30-78	632,147.8	114,940.18
12-29-77	485,610.2	84,266.09
1978 =	146,537.6	# 30,674.09
12-29-79	798,971.0	162,216.72
12-30-78	632,147.8	114,940.18
1979 =	166,823.2	# 47,276.54
12-31-80	886,967.3	188,336.74
12-29-79	798,971.0	162,216.72
1980 =	87,996.3	# 26,120.02

Date	Acc. Pounds	Acc. value
12-28-81	1,001,802.3	220,016.50
12-31-80	886,967.3	188,336.74
1981 =	114,835.0	# 31,679.76
12-31-82	1,104,068.4	248,561.40
12-28-81	1,001,802.3	220,016.50
1982 =	102,266.1	# 28,544.90
12-23-83	1,187,749.3	275,430.44
12-31-82	1,104,068.4	248,561.40
1983 =	83,680.9	# 26,869.04
12-26-84	1,231,710.6	293,890.31
12-23-83	1,187,749.3	275,430.44
1984 =	43,961.3	# 18,459.87
12-23-85	1,280,360.2	314,534.80
12-26-84	1,231,710.6	293,890.31
1985 =	48,649.6	# 20,644.49
12-30-86	1,349,212.7	345,250.14
12-23-85	1,280,360.2	314,534.80
1986 =	68,852.5	# 30,715.34
7-16-87	1,394,053.3	366,067.52
12-30-86	1,349,212.7	345,250.14
6½ months 87 =	44,840.6	# 20,817.38

Approx. quantity hauled to Grants Pass

6-4 thru 6-16-84 = 142,000 lbs

Total mined + hauled 1984 = 142,200 lbs

4-22 thru 29-85 = 81,000 lbs

10-15 thru 20-85 = 90,000 lbs

171,000 lbs

total mined + hauled 1985 = 171,000 lbs

5-17 thru 5-25-86 = 82,500

9-13 thru 11-6-86 = 264,000

346,500 lbs

total mined + hauled 1986 = 346,500 lbs

% of mined actually sold by the years.

1984 = 43,961.3 lbs ÷ 142,200 lbs = 30.9 %

1985 = 48,649.6 lbs ÷ 171,000 lbs = 28.5 %

1986 = 68,852.5 lbs ÷ 346,500 = *19.9 %

* stone yard was about cleaned up on 6-10-87.

A more realistic figure would be

99,152 ÷ 346,500 = 28.6 %

We also increased the inventory by

roughly 12,000 lbs

111,152 ÷ 346,500 = 32.1 %

ORE MATERIALS (MINERALS,ROCKS,ETC.):
TALC

EXPLORATION AND DEVELOPMENT
STATUS OF EXPLOR. OR DEV. 7
PROPERTY IS ACTIVE
YEAR OF FIRST PRODUCTION. 1973
PRESENT/LAST OWNER..... JOHN PUGH

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:
METAMORPHIC
FORM/SHAPE OF DEPOSIT:

SIZE/DIRECTIONAL DATA
SIZE OF DEPOSIT..... SMALL

DESCRIPTION OF WORKINGS
SURFACE

PRODUCTION
YES
SMALL PRODUCTION

CUMULATIVE PRODUCTION (ORE,COMMOD.,CONC.,OVERBUR.)

ITEM	ACC	AMOUNT	THOUS.UNITS	YEAR	GRADE,REMARKS
15 TLC	ACC	583.776	LB	1973-1979	CARVING STONE
23		FEW	BLOCKS	PRE - 1959	FAIRLY PURE

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... JUR
HOST ROCK TYPES..... SERPENTINE, QUARTZ-MICA AND EPIDOTE-ACTINOLITE SCHISTS

LOCAL GEOLOGY
NAMES/AGE OF FORMATIONS,UNITS,OR ROCK TYPES
1) NAME: CONDREY MTN SCHISTS
AGE: JUR K/AR 155 MY
2) NAME: APPLEGATE GROUP
AGE: PERM-TRI

SIGNIFICANT LOCAL STRUCTURES:
LOCATED AT THE BASE OF A MAJOR THRUST FAULT.

COMMENTS (GEOLOGY AND MINERALOGY):
MASSIVE TALC PARTIALLY OR COMPLETELY REPLACES PODS AND KNOCKERS OF SERPENTINE.

CRIB MINERAL RESOURCES FILE 12

RECORD IDENTIFICATION
- RECORD NO..... M061930
- RECORD TYPE..... X1N
- COUNTRY/ORGANIZATION. USGS
- MAP CODE NO. OF REC..

REPORTER
- NAME..... SMITH, ROSCOE M.
- DATE..... 78 08
- UPDATED..... 81 01
- BY..... FERNS, MARK L.; (BROOKS, HOWARD C.)

NAME AND LOCATION
- DEPOSIT NAME..... SUMMIT LAKE
- MINING DISTRICT/AREA/SUBDIST. UPPER APPLEGATE
- COUNTRY CODE..... US
- COUNTRY NAME: UNITED STATES
- STATE CODE..... OR
- STATE NAME: OREGON
- COUNTY..... JACKSON
- DRAINAGE AREA..... 17 APPLEGATE RIVER
- PHYSIOGRAPHIC PROV..... 13 KLAMATH MOUNTAINS
- LAND CLASSIFICATION..... 41

QUAD SCALE	QUAD NO OR NAME
1: 62500	RUCH

LATITUDE	LONGITUDE
42-00-60N	123-01-23W

UTM NORTHING	UTM EASTING	UTM ZONE NO
4651400.	498100.	+10

- TWP..... 41S
- RANGE.... 03W
- SECTION.. 11
- MERIDIAN. WB & M

LOCATION COMMENTS: CEN

COMMODITY INFORMATION
- COMMODITIES PRESENT..... TLC

STATE DEPT. OF GEOLOGY & MINERAL INDUSTRIES
FIELD OFFICE
521 N. E. "E" Street P. O. Box 417
Grants Pass, Oregon 97526

Preliminary Report

Upper Applegate District
Jackson County

SUMMIT LAKE TALC PROSPECTS

John Pugh, Steatite of Southern Oregon
2891 Elk Lane Grants Pass Or. 97526

Owners: Henry L. Jacobson, Sr., Hans J. Peterson, Herbert H. Tetter, and Henry L. Jacobson, Jr., all of Seattle, Washington

Area: Two lode claims were posted on December 7th 1959. Claim No. 1 runs west along the ridge from Summit Lake. The northwest corner of No. 1 claim is the south center end of claim No. 2 which runs north down the hillside.

Location: The claims are located in the center of sec. 11, T. 41 S., R. 3 W., between 4,000 and 4,800 feet elevation.

History: The occurrence has apparently been known for many years judging from the initial carvings along the ridge trail southwest of Summit Lake. The locators were told of the occurrence by Emmet (?) Phillips. A few blocks of the talc had reportedly been sawed and packed out for chimneys.

Geology: The talc occurs as lenses and sinuous layers in the pre-Triassic schists. The schist is a greenish gray color composed of chlorite, sericite, quartz, talc, and minor amount of graphite.

Near the east end of No. 1 claim two or three talc zones occur in schist that strikes about N. 50° E. and dips steeply northwest. Dimensions of the talc bodies were not determined due to lack of good outcrops and absence of any trenching. Widths up to about 10 feet are indicated by float at the surface.

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Visited: With H. L. Jacobson, Sr., & H.H. Tetter 12/22/59.

Report by: Len Ramp 12/28/59

TG - 324
Al_2O_3, CaO, Fe_2O_3

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

2033 First Street
Baker, Oregon

1069 State Office Building
Portland 1, Oregon

239 S.E. "H" Street
Grants Pass, Oregon

REQUEST FOR SAMPLE INFORMATION

The State law governing analysis of samples by the State assay laboratory is given on the back of this blank. Please supply the information requested herein fully and submit this blank filled out along with the sample.

Your name in full Len Ramp (DOGAMI)

Street or P.O. Box P.O. Box 417 City & State Grants Pass, Oregon

Are you a citizen of Oregon? Yes Date on which sample is sent 12/28/59

Name (or names) of owners of the property Peterson, Jacobson, Tetter, Jacobson

Are you hiring labor? _____ Are you milling or shipping ore? _____

Name of claim sample obtained from Summit Lake Talc

Location of property or source of sample (If legal description is not known, give location with reference to known geographical point.)

County Jackson Mining District Upper Applegate

Township 41 S Range 3 W Section 11 Quarter section _____

How far from passable road? ½ mile Name of road Squaw Lake

	Channel (length)	Grab	Assay for	Description
Sample no. 1		x	Al_2O_3, CaO, Fe_2O_3	
Sample no. 2				

(Samples for assay should be at least 1 pound in weight)

(Signed) Len Ramp

DO NOT WRITE BELOW THIS LINE - FOR OFFICE USE ONLY - USE OTHER SIDE IF DESIRED

Sample Description Blocky talc. (soapstone)

Sample number	GOLD oz./T.	GOLD Value	SILVER oz./T.	SILVER Value	ALUMINA Al_2O_3	IRON Fe	CALCIUM CaO	SILICA SiO_2
P-24884 TG-324	- - -	- -	- - -	- -	1.53%	3.90%	0.54%	59.14%
						Fe_2O_3 5.58		

Report issued _____ Card filed _____ Report mailed 1-28-60 Called for _____

SIR-5

NORTHWEST TESTING LABORATORIES, INC.

CONSTRUCTION INSPECTION
MATERIALS INSPECTION
CHEMICAL ANALYSIS
PHYSICAL TESTING

5405 N. Lagoon Avenue
P.O. Box 17126
Portland, Oregon 97217-0126
Phone: (503) 289-1778

NON-DESTRUCTIVE TESTING
WELDING CERTIFICATION
SOIL TESTING
ASSAYING

August 3, 1987

H.G. Schlicker and Associates
7 S.E. 97th Avenue
Portland, Oregon 97216

Attn: Mr. Herbert G. Schlicker

Subject: Analysis performed on one (1) sample received on 8-3-87 per your request

Report:

Item: Talc HP-2

Analysis:

	Brightness (%)
Magnesium Carbonate Standard	98
Talc, HP-2 Sample	88

Note: This sample was tested as a -325 mesh material

Sincerely,
NORTHWEST TESTING LABORATORIES, INC.

Howard L. Holmes

Howard Holmes, Assistant
Supervisor, Chemistry

Report Number 307558

Olmstead Associates

Manufacturers' Representatives
RR 1 Box 50, Valley View Drive, Gorham, Maine 04038
Telephone (207) 839-2979 Fax (207) 781-4383 Telex 294139 COMMA UR

July 6, 1987

John Pugh
President
Steatite of Southern Oregon
2891 Elk Lane
Grants Pass OR 97526

Dear Mr. Pugh:

It was a pleasure discussing steatite with you today. My clients (Norwegian Talc Deutschland of Bad Soden-Salmunster, West Germany) are looking for 1000 tonnes of steatite lumps sized 15 cm (about 5 inches) and smaller.

This material should be white in color and have approximately the following analysis.

MgO	30%
Al_2O_3	0.5 - 1.0% max.
SiO_2	59 -63%
Fe_2O_3	0.5%
CaO	0.7%
Na_2O-K2O	0.4%
Loss on Ignition	less than 5.5%

Please give us your F.O.B. mine price and also the price delivered to the closest international port (Portland?), packed in 100 lb bags or other suitable boxes/bags and loaded into 22 foot containers.

I look forward to hearing from you, whereupon I will telex your price and other details to NTD for consideration.

Best regards.

Cordially,

Hugh D. Olmstead
President

MANUFACTURERS' AGENTS NATIONAL ASSOCIATION
MANA
Established 1947
MEMBER

Eagle (about 7 inches high) carved from Elliott Creek Ridge soapstone by Butch Leo.

(negatives No 8 and 13)

Describe the anticipated effects of the work planned on each of the following items.

Vegetation (Include any trees to be removed from the site or utilized in the operation).

NONE

Top Soil (How much and what will be done with it).

NONE

Cultural Resources (Cabins, and any other evidence of historic or prehistoric occupation or use.)

NONE

Air Quality (Dust, smoke etc.)

NONE

Water Quality (Turbidity, fish habitat etc.) Do you have the appropriate state, and/or county permits, licenses, etc. for this operation?

NONE (All ridge top work)

Roads and Trails (Method of transportation for personnel and/or equipment):

See Plan of Operation for period May thru June of 82.

Scenic Values (Is the operation visible to any roads, trails, parks, homes etc.)

To date our operations are visible only from the Scraggy Mt. Road and then you would have to know exactly where to look. The Elliott Ridge trail passes directly through 1½ miles of our activities. If this area is logged in the planned F.S. timber sale then we may become visible from Sq. Lks. & Appl. Da

Public Safety (What measures will be necessary to protect the curious or unaware)

The mining road is gated at the junction with the Squaw Lakes Road. Only the U.S. F.S., Mountian Fir, Bill Valenzuela, and our mining company have keys. Open holes are backfilled before leaving and mining areas are made easy to see by hikers.

Describe the proposed disposal or treatment of the following:

Garbage and litter

All refuse created by us and any found left by others is hauled to our home and disposed of. The amount of additional activity in the area is adding to the litter problem.

Sewage

There is none. Seldom over 2 people at mines during the day.

Deleterious materials (ie. Poisonous wastes, muddy water etc.)

There is none.

RECLAMATION PLAN

DURING OPERATION

What measures will be taken for the control of water runoff?

Drainage is provided in any low areas that might hold appreciable amounts of water. Roads are water barred at frequent intervals.
In the ~~five~~ ten years we have worked this area we have had no water runoff problems in the mining areas. Only minor problems have occured in the haul roads and corrective action is taken as soon as possible.

What measures will be taken for the control of erosion and landslides?

The actual areas worked are very small, averaging 100'x100', and being on the top of the ridge are not subject to possible heavy erosion. Further, they consist of nearly solid rock that all has to be ripped with heavy equipment. Since there is little to nothing above us there is nearly no chance of landslides. Our spoils are placed in side slopes where they can be reprocesse and where little possibility of loss due to sliding exists. Haul roads on the claims follow the natural ground contours so natural dranage is maintained.

ONCE OPERATION IS COMPLETED

What measures will be taken for reshaping disturbed areas?

It is very difficult to antisipate the final methods of reshaping the mined out areas as I can forsee our working these claims for 20 or more years. However, at present we intend to keep all spoils contained at or near the mined site so that we can haul them back into the excavati and reshape the area to the natural surroundings.

What measures will be taken for revegetation of disturbed areas?

When an area is worked out we will reshape it, plant trees, and seed the area to grass. All mined out and reclaimed area will receive atleast as much reclamation as the Forest Service logged areas arround our mining operations.

How will settling ponds or sumps be reclaimed?

There will be none.

Plan submitted by:
Name : John H. Pugh
Title : Claim holder
Date : 1-21-86

Plan received by Authorized Officer:
Name : Bengt H. Hammer
Title : Resource Assistant
Date : 1-22-86

Reply to: 2810 Mining

Subject: Hard Pull No. 3 Plan of Operations.
Name of Property or Claim/s

ORMC Number/s 4402

To: District Ranger
Star Ranger Station
6941 Upper Applegate Road
Jacksonville, Oregon 97530

The Operation outlined in this plan is expected to begin on April 1986 and end approximately November 1986.

Name and address of Claimant as filed with the County and BLM:
John H. Pugh, 2891 Elk Lane, Grants Pass, Oregon 97527

Name and address of principle correspondent, if different than above:

Name and address of equipment operator who will do the actual work:
John H. & Steven F. Pugh, same address.

Legal description of claim/s as filed with the County and BLM:
Township 41S, Range 3 W, Section 10, ___ of the WM of the ___.

Describe the work to be done and how it will be accomplished (i.e., list the equipment you will use and what will be done with it): including type and standard, origin, destination, and mileage of any new roads or trails proposed. List any equipment that will remain on the site.

We will continue to mine the Talc that was blocked out last fall. Approximately 30,000 lbs of Talc will be removed from this claim during the 1986 mining season. Work will be accomplished with a Case 580-C rubber tired backhoe and a 5 cubic yard International, all wheel drive, dump truck.

No equipment will be left on the site after the 1986 mining is complete.

No new ground disturbance will result from this work.

Continue on separate sheet if necessary.

Describe the anticipated effects of the work planned on each of the following items.

Vegetation (Include any trees to be removed from the site or utilized in the operation).

NONE

Top Soil (How much and what will be done with it).

NONE

Cultural Resources (Cabins, and any other evidence of historic or prehistoric occupation or use.)

NONE

Air Quality (Dust, smoke etc.)

NONE

Water Quality (Turbidity, fish habitat etc.) Do you have the appropriate state, and/or county permits, licenses, etc. for this operation?

NONE (All ridge top work)

Roads and Trails (Method of transportation for personnel and/or equipment):

See Plan of Operation for period May thru June of 82.

Scenic Values (Is the operation visible to any roads, trails, parks, homes etc.)

To date our operations are visible only from the Scraggy Mt. Road and then you would have to know exactly where to look. The Elliott Ridge trail passes directly through 1½ miles of our activities. If this area is logged in the planned F.S. timber sale then we may become visible from Sq. Lks. & Appl. Dam

Public Safety (What measures will be necessary to protect the curious or unaware)

The mining road is gated at the junction with the Squaw Lakes Road. Only the U.S. F.S., Mountian Fir, Bill Valenzuela, and our mining company have keys. Open holes are backfilled before leaving and mining areas are made easy to see by hikers.

Describe the proposed disposal or treatment of the following:

Garbage and litter

All refuse created by us and any found left by others is hauled to our home and disposed of. The amount of additional activity in the area is adding to the litter problem.

Sewage

There is none. Seldom over 2 people at mines during the day.

Deleterious materials (ie. Poisonous wastes, muddy water etc.)

There is none.

RECLAMATION PLAN

DURING OPERATION

What measures will be taken for the control of water runoff?

Drainage is provided in any low areas that might hold appreciable amounts of water. Roads are water barred at frequent intervals.
In the ~~five~~ Ten years we have worked this area we have had no water runoff problems in the mining areas. Only minor problems have occured in the haul roads and corrective action is taken as soon as possible.

What measures will be taken for the control of erosion and landslides?

The actual areas worked are very small, averaging 100'x100', and being on the top of the ridge are not subject to possible heavy erosion. Further, they consist of nearly solid rock that all has to be ripped with heavy equipment. Since there is little to nothing above us there is near ly no chance of landslides. Our spoils are placed in side slopes where they can be reprocesse and where little possibility of loss due to sliding exists. Haul roads on the claims follow the natural ground contours so natural dranage is maintained.

ONCE OPERATION IS COMPLETED

What measures will be taken for reshaping disturbed areas?

It is very difficult to antisipate the final methods of reshaping the mined out areas as I can forsee our working these claims for 20 or more years. However, at present we intend to keep all spoils contained at or near the mined site so that we can haul them back into the excavati and reshape the area to the natural surroundings.

What measures will be taken for revegetation of disturbed areas?

When an area is worked out we will reshape it, plant trees, and seed the area to grass. All mined out and reclaimed area will receive atleast as much reclamation as the Forest Service logged areas arround our mining operations.

How will settling ponds or sumps be reclaimed?

There will be none.

Plan submitted by:
Name : John H. Leigh
Title : Claim holder
Date : 1-21-86

Plan received by Authorized Officer:
Name : Bengt A. Hammer
Title : Resource Assistant
Date : 1-22-86

Reply to: 2810 Mining

Subject: Hard Pull No. 4 Plan of Operations.
Name of Property or Claim/s

ORMC Number/s 4278

To: District Ranger
Star Ranger Station
6941 Upper Applegate Road
Jacksonville, Oregon 97530

The Operation outlined in this plan is expected to begin on April 1986 and end approximately November 1986.

Name and address of Claimant as filed with the County and BLM:
John H. Pugh, 2891 Elk Lane, Grants Pass, Oregon 97527

Name and address of principle correspondent, if different than above:

Name and address of equipment operator who will do the actual work:
John H. Pugh & Steven F. Pugh, same address.

Legal description of claim/s as filed with the County and BLM:
Township 41 S, Range 3W, Section 10, ___ of the WM of the ___.

Describe the work to be done and how it will be accomplished (i.e., list the equipment you will use and what will be done with it): including type and standard, origin, destination, and mileage of any new roads or trails proposed. List any equipment that will remain on the site.

We will be opening up and developing a heretofore unworked veins on this claim. The material is in a rock outcrop as shown on the attached map. The stripping of contact rock and soil will be done with a Cat D-8 dozer. Loading and hauling of strippings and Talc will be done with a case 580-C backhoe and 5-cubic yard International dump truck. Talc to be removed this mining season is approximately 15,000 lbs. No equipment will be left on the site. Surface disturbance will be approximately 100' x 100', (0.23 acres) consisting of little to no merchantable timber, minor amount of reprod., and bare logged over ground.

Continue on separate sheet if necessary.

Describe the anticipated effects of the work planned on each of the following items.

Vegetation (Include any trees to be removed from the site or utilized in the operation).

NONE See information in previous section.

Top Soil (How much and what will be done with it).

NONE

Cultural Resources (Cabins, and any other evidence of historic or prehistoric occupation or use.)

NONE

Air Quality (Dust, smoke etc.)

NONE

Water Quality (Turbidity, fish habitat etc.) Do you have the appropriate state, and/or county permits, licenses, etc. for this operation?

NONE (All ridge top work)

Roads and Trails (Method of transportation for personnel and/or equipment):

See Plan of Operation for period May thru June of 82.

Scenic Values (Is the operation visible to any roads, trails, parks, homes etc.)

To date our operations are visible only from the Scraggy Mt. Road and then you would have to know exactly where to look. The Elliott Ridge trail passes directly through 1½ miles of our activities. If this area is logged in the planned F.S. timber sale then we may become visible from Sq. Lks. & Appl. Dam

Public Safety (What measures will be necessary to protect the curious or unaware)

The mining road is gated at the junction with the Squaw Lakes Road. Only the U.S. F.S., Mountian Fir, Bill Valenzuela, and our mining company have keys. Open holes are backfilled before leaving and mining areas are made easy to see by hikers.

Describe the proposed disposal or treatment of the following:

Garbage and litter

All refuse created by us and any found left by others is hauled to our home and disposed of. The amount of additional activity in the area is adding to the litter problem.

Sewage

There is none. Seldom over 2 people at mines during the day.

Deleterious materials (ie. Poisonous wastes, muddy water etc.)

There is none.

RECLAMATION PLAN

DURING OPERATION

What measures will be taken for the control of water runoff?

Drainage is provided in any low areas that might hold appreciable amounts of water. Roads are water barred at frequent intervals.
In the ~~five~~ ten years we have worked this area we have had no water runoff problems in the mining areas. Only minor problems have occured in the haul roads and corrective action is taken as soon as possible.

What measures will be taken for the control of erosion and landslides?

The actual areas worked are very small, averaging 100'x100', and being on the top of the ridg are not subject to possible heavy erosion. Further, they consist of nearly solid rock that al has to be ripped with heavy equipment. Since there is little to nothing above us there is nea ly no chance of landslides. Our spoils are placed in side slopes where they can be reprocess and where little possibility of loss due to sliding exists. Haul roads on the claims follow the natural ground contours so natural dranage is maintained.

ONCE OPERATION IS COMPLETED

What measures will be taken for reshaping disturbed areas?

It is very difficult to antisipate the final methods of reshaping the mined out areas as I ca forsee our working these claims for 20 or more years. However, at present we intend to keep all spoils contained at or near the mined site so that we can haul them back into the excavat and reshape the area to the natural surroundings.

What measures will be taken for revegetation of disturbed areas?

When an area is worked out we will reshape it, plant trees, and seed the area to grass. All mined out and reclaimed area will receive atleast as much reclamation as the Forest Service logged areas arround our mining operations.

How will settling ponds or sumps be reclaimed?

There will be none.

Plan submitted by:
Name : John W. Pugh
Title : Claim holder
Date : 1-26-86

Plan received by Authorized Officer:
Name : Bengt H. Hammer
Title : Resource Assistant
Date : 1-22-86

Reply to: 2810 Mining

Subject: Hard Pull No. 5 Plan of Operations.
Name of Property or Claim/s

ORMC Number/s 4279

To: District Ranger
Star Ranger Station
6941 Upper Applegate Road
Jacksonville, Oregon 97530

The Operation outlined in this plan is expected to begin on April 1986 and end approximately November 1986.

Name and address of Claimant as filed with the County and BLM:
John H. Pugh, 2891 Elk Lane, Grants Pass, Oregon 97527

Name and address of principle correspondent, if different than above:

Name and address of equipment operator who will do the actual work:
John H. & Steven F. Pugh, same address.

Legal description of claim/s as filed with the County and BLM:
Township 41S, Range 3W, Section 10 & 11 of the WM of the ____.

Describe the work to be done and how it will be accomplished (i.e., list the equipment you will use and what will be done with it): including type and standard, origin, destination, and mileage of any new roads or trails proposed. List any equipment that will remain on the site.

No mineral extraction anticipated on this claim during the 1986 season.

Assesment work only. No signifacant, if any, ground disturbance will take place.

Plan submitted by:	Plan received by Authorized Officer:
Name : John H. Pugh	Name : Bengt A. Hammer
Title : Claim holder	Title : Resource Assistant
Date : 1-21-86	Date : 1-22-86

Continue on separate sheet if necessary.

Reply to: 2810 Mining

Subject: Hard Pull No. 6 Plan of Operations.
Name of Property or Claim/s

ORMC Number/s 4280

To: District Ranger
Star Ranger Station
6941 Upper Applegate Road
Jacksonville, Oregon 97530

The Operation outlined in this plan is expected to begin on April 198 6 and end approximately November 1986.

Name and address of Claimant as filed with the County and BLM:
John H. Pugh, 2891 Elk Lane, Grants Pass, Oregon 97527

Name and address of principle correspondent, if different than above:

Name and address of equipment operator who will do the actual work:
John H. & Steven F. Pugh, same address.

Legal description of claim/s as filed with the County and BLM:
Township 41S, Range 3W, Section 11, ___ of the WM of the ___.

Describe the work to be done and how it will be accomplished (i.e., list the equipment you will use and what will be done with it): including type and standard, origin, destination, and mileage of any new roads or trails proposed. List any equipment that will remain on the site.

We do not intend to mine any mainerals from this claim during the 1986 mining season. Only assesment work will be done and will not create a significant, if any, disturbance of new ground.

Plan submitted by:	Plan received by Authorized Officer:
Name : John H. Pugh	Name : Bengt H. Hammer
Title : Claim holder	Title : Resource Assistant
Date : 1-21-86	Date : 1-22-86

Continue on separate sheet if necessary.

Reply to: 2810 Mining

Subject: Hard Pull No. 7 Plan of Operations.
Name of Property or Claim/s

ORMC Number/s 4281

To: District Ranger
Star Ranger Station
6941 Upper Applegate Road
Jacksonville, Oregon 97530

The Operation outlined in this plan is expected to begin on April 1986 and end approximately November 1986.

Name and address of Claimant as filed with the County and BLM:
John H. Pugh, 2891 Elk Lane, Grants Pass, Oregon 97527

Name and address of principle correspondent, if different than above:

Name and address of equipment operator who will do the actual work:
John H. & Steven F. Pugh, same address.

Legal description of claim/s as filed with the County and BLM:
Township 41S, Range 3W, Section 11, ___ of the WM of the ___.

Describe the work to be done and how it will be accomplished (i.e., list the equipment you will use and what will be done with it): including type and standard, origin, destination, and mileage of any new roads or trails proposed. List any equipment that will remain on the site.

We will be working on ~~two~~ one previously developed Talc veins on the claim. The mineral will be mined with a Case 580-C backhoe and 5 cubic yard International, all wheel drive, dump truck. A minor amount of pre-leveling will be done with a Cat D-8 dozer. We intend to remove 60,000 lbs of Talc from this claim during the 1986 mining season. Surface disturbance will amount to the removal and decking of 3 merchantalbe trees and misc. brush. Total gound disturbance will amount to ~~two~~ one area approximately 20' x 25' (0.~~02~~ 01 acres).

No equipment will be left on the site after the mining season.

Corrections made by John H. Pugh on 1-20-86.

John H. Pugh

Continue on separate sheet if necessary.

Describe the anticipated effects of the work planned on each of the following items.

Vegetation (Include any trees to be removed from the site or utilized in the operation).

NONE ~~XXXX~~ See statement on previous page.

Top Soil (How much and what will be done with it).

NONE

Cultural Resources (Cabins, and any other evidence of historic or prehistoric occupation or use.)

NONE

Air Quality (Dust, smoke etc.)

NONE

Water Quality (Turbidity, fish habitat etc.) Do you have the appropriate state, and/or county permits, licenses, etc. for this operation?

NONE (All ridge top work)

Roads and Trails (Method of transportation for personnel and/or equipment):

See Plan of Operation for period May thru June of 82.

Scenic Values (Is the operation visible to any roads, trails, parks, homes etc.)

To date our operations are visible only from the Scraggy Mt. Road and then you would have to know exactly where to look. The Elliott Ridge trail passes directly through 1½ miles of our activities. If this area is logged in the planned F.S. timber sale then we may become visible from Sq. Lks. & Appl. Dar

Public Safety (What measures will be necessary to protect the curious or unaware)

The mining road is gated at the junction with the Squaw Lakes Road. Only the U.S. F.S., Mountian Fir, Bill Valenzuela, and our mining company have keys. Open holes are backfilled before leaving and mining areas are made easy to see by hikers.

Describe the proposed disposal or treatment of the following:

Garbage and litter

All refuse created by us and any found left by others is hauled to our home and disposed of. The amount of additional activity in the area is adding to the litter problem.

Sewage

There is none. Seldom over 2 people at mines during the day.

Deleterious materials (ie. Poisonous wastes, muddy water etc.)

There is none.

RECLAMATION PLAN

DURING OPERATION

What measures will be taken for the control of water runoff?

Drainage is provided in any low areas that might hold appreciable amounts of water. Roads are water barred at frequent intervals.
In the ~~five~~ ten years we have worked this area we have had no water runoff problems in the mining areas. Only minor problems have occured in the haul roads and corrective action is taken as soon as possible.

What measures will be taken for the control of erosion and landslides?

The actual areas worked are very small, averaging 100'x100', and being on the top of the ridge are not subject to possible heavy erosion. Further, they consist of nearly solid rock that all has to be ripped with heavy equipment. Since there is little to nothing above us there is nearly no chance of landslides. Our spoils are placed in side slopes where they can be reprocesse and where little possibility of loss due to sliding exists. Haul roads on the claims follow the natural ground contours so natural dranage is maintained.

ONCE OPERATION IS COMPLETED

What measures will be taken for reshaping disturbed areas?

It is very difficult to antisipate the final methods of reshaping the mined out areas as I ca forsee our working these claims for 20 or more years. However, at present we intend to keep all spoils contained at or near the mined site so that we can haul them back into the excavat and reshape the area to the natural surroundings.

What measures will be taken for revegetation of disturbed areas?

When an area is worked out we will reshape it, plant trees, and seed the area to grass. All mined out and reclaimed area will receive atleast as much reclamation as the Forest Service logged areas arround our mining operations.

How will settling ponds or sumps be reclaimed?

There will be none.

Plan submitted by:
Name : John H. Pugh
Title : Claim holder
Date : 1-21-86

Plan received by Authorized Officer:
Name : Bengt H. Hammer
Title : Resource Assistant
Date : 1-22-86

Reply to: 2810 Mining

Subject: The Hard Pull Plan of Operations.
Name of Property or Claim/s

ORMC Number/s 4276

To: District Ranger
Star Ranger Station
6941 Upper Applegate Road
Jacksonville, Oregon 97530

The Operation outlined in this plan is expected to begin on April 1986 and end approximately November 1986.

Name and address of Claimant as filed with the County and BLM:
John H. Pugh, 2891 Elk Lane, Grants Pass, Oregon 97527

Name and address of principle correspondant, if different than above:

Name and address of equipment operator who will do the actual work:
John H. & Steven F. Pugh, same address.

Legal description of claim/s as filed with the County and BLM:
Township 41S, Range 3W, Section 11, ___ of the WM of the ___.

Describe the work to be done and how it will be accomplished (i.e., list the equipment you will use and what will be done with it): including type and standard, origin, destination, and mileage of any new roads or trails proposed. List any equipment that will remain on the site.

No work, other than assesment work, is planned on this claim during the 1986 mining season. No significant, if any, ground will be distrubed.

Plan submitted by:	Plan received by Authorized Officer:
Name : John H. Pugh	Name : Bengt H. Hammer
Title : Claim holder	Title : Resource Assistant
Date : 1-21-86	Date : 1-22-86

Continue on separate sheet if necessary.

Reply to: 2810 Mining

Subject: Hard Pull No. 9 Plan of Operations.
Name of Property or Claim/s

ORMC Number/s 4282

To: District Ranger
Star Ranger Station
6941 Upper Applegate Road
Jacksonville, Oregon 97530

The Operation outlined in this plan is expected to begin on April 1986 and end approximately November 1986.

Name and address of Claimant as filed with the County and BLM:
John H. Pugh, 2891 Elk Lane, Grants Pass, Oregon 97527

Name and address of principle correspondent, if different than above:

Name and address of equipment operator who will do the actual work:
John H. & Steven F. Pugh, same address.

Legal description of claim/s as filed with the County and BLM:
Township 41S, Range 3W, Section 11, ___ of the WM of the ___.

Describe the work to be done and how it will be accomplished (i.e., list the equipment you will use and what will be done with it): including type and standard, origin, destination, and mileage of any new roads or trails proposed. List any equipment that will remain on the site.

No minerals will be removed from this claim during the 1986 mining season. Only assesment work will be performed and will not create any new ground disturbance.

Plan submitted by:	Plan received by Authorized Officer:
Name : John H. Pugh	Name : Bengt W. Hammer
Title : Claim holder	Title : Resource Assistant
Date : 1-21-86	Date : 1-22-86

Continue on separate sheet if necessary.

Reply to: 2810 Mining

Subject: Hard Pull No. 10 Plan of Operations.
Name of Property or Claim/s

ORMC Number/s 4283

To: District Ranger
Star Ranger Station
6941 Upper Applegate Road
Jacksonville, Oregon 97530

The Operation outlined in this plan is expected to begin on April 198 6 and end approximately November 1986.

Name and address of Claimant as filed with the County and BLM:
John H. Pugh, 2891 Elk Lane, Grants Pass, Oregon 97527

Name and address of principle correspondent, if different than above:

Name and address of equipment operator who will do the actual work:
John H. & Steven F. Pugh, same address.

Legal description of claim/s as filed with the County and BLM:
Township 41S , Range 3W , Section 11 , ___ of the WM of the ___.

Describe the work to be done and how it will be accomplished (i.e., list the equipment you will use and what will be done with it): including type and standard, origin, destination, and mileage of any new roads or trails proposed. List any equipment that will remain on the site.

Approximately 60,000 lbs of Talc will be removed from this claim during the 1986 mining season. The mining will be done with a Case 580-C rubber tired backhoe and a 5 cubic yard, all wheel drive, International dump truck. There will be no trees removed and the ground disturbance will be 0.02 acres (800 sq. ft.) or less.

No equipment will be left on the site after the 1986 mining is complete.

Continue on separate sheet if necessary.

Describe the anticipated effects of the work planned on each of the following items.

Vegetation (Include any trees to be removed from the site or utilized in the operation).

NONE

Top Soil (How much and what will be done with it).

NONE

Cultural Resources (Cabins, and any other evidence of historic or prehistoric occupation or use.)

NONE

Air Quality (Dust, smoke etc.)

NONE

Water Quality (Turbidity, fish habitat etc.) Do you have the appropriate state, and/or county permits, licenses, etc. for this operation?

NONE (All ridge top work)

Roads and Trails (Method of transportation for personnel and/or equipment):

See Plan of Operation for period May thru June of 82.

Scenic Values (Is the operation visible to any roads, trails, parks, homes etc.)

To date our operations are visible only from the Scraggy Mt. Road and then you would have to know exactly where to look. The Elliott Ridge trail passes directly through 1½ miles of our activities. If this area is logged in the planned F.S. timber sale then we may become visible from Sq. Lks. & Appl. Dar

Public Safety (What measures will be necessary to protect the curious or unaware)

The mining road is gated at the junction with the Squaw Lakes Road. Only the U.S. F.S., Mountian Fir, Bill Valenzuela, and our mining company have keys. Open holes are backfilled before leaving and mining areas are made easy to see by hikers.

Describe the proposed disposal or treatment of the following:

Garbage and litter

All refuse created by us and any found left by others is hauled to our home and disposed of. The amount of additional activity in the area is adding to the litter problem.

Sewage

There is none. Seldom over 2 people at mines during the day.

Deleterious materials (ie. Poisonous wastes, muddy water etc.)

There is none.

RECLAMATION PLAN

DURING OPERATION

What measures will be taken for the control of water runoff?

Drainage is provided in any low areas that might hold appreciable amounts of water. Roads are water barred at frequent intervals.
In the ~~five~~ ten years we have worked this area we have had no water runoff problems in the mining areas. Only minor problems have occured in the haul roads and corrective action is taken as soon as possible.

What measures will be taken for the control of erosion and landslides?

The actual areas worked are very small, averaging 100'x100', and being on the top of the ridg are not subject to possible heavy erosion. Further, they consist of nearly solid rock that al has to be ripped with heavy equipment. Since there is little to nothing above us there is nea ly no chance of landslides. Our spoils are placed in side slopes where they can be reprocess and where little possibility of loss due to sliding exists. Haul roads on the claims follow the natural ground contours so natural dranage is maintained.

ONCE OPERATION IS COMPLETED

What measures will be taken for reshaping disturbed areas?

It is very difficult to antisipate the final methods of reshaping the mined out areas as I ca forsee our working these claims for 20 or more years. However, at present we intend to keep all spoils contained at or near the mined site so that we can haul them back into the excavat and reshape the area to the natural surroundings.

What measures will be taken for revegetation of disturbed areas?

When an area is worked out we will reshape it, plant trees, and seed the area to grass. All mined out and reclaimed area will receive atleast as much reclamation as the Forest Service logged areas arround our mining operations.

How will settling ponds or sumps be reclaimed?

There will be none.

Plan submitted by:
Name : John H. Leigh
Title : Claim holder
Date : 1-21-86

Plan received by Authorized Officer:
Name : Bengt H. Hammer
Title : Resource Assistant
Date : 1-22-86

Reply to: 2810 Mining

Subject: Hard Pull No. 11 Plan of Operations.
Name of Property or Claim/s

ORMC Number/s 4284

To: District Ranger
Star Ranger Station
6941 Upper Applegate Road
Jacksonville, Oregon 97530

The Operation outlined in this plan is expected to begin on April 1986 and end approximately November 1986.

Name and address of Claimant as filed with the County and BLM:
John H. Pugh, 2891 Elk Lane, Grants Pass, Oregon 97527

Name and address of principle correspondant, if different than above:

Name and address of equipment operator who will do the actual work:
John H. & Steven F. Pugh, same address.

Legal description of claim/s as filed with the County and BLM:
Township 41S, Range 3W, Section 11, ___ of the WM of the ___.

Describe the work to be done and how it will be accomplished (i.e., list the equipment you will use and what will be done with it): including type and standard, origin, destination, and mileage of any new roads or trails proposed. List any equipment that will remain on the site.

No mining, other than assesment work, is anticipated on this claim during the 1986 mining season. Very little, if any, ground disturbance will take place.

Continue on separate sheet if necessary.

Plan submitted by:
Name : John H. Pugh
Title : claim Holder
Date : 1-21-86

Plan received by authorized Officer:
Name : Benyt H. Hammer
Title : Resource Assistant
Date : 1-22-86

Reply to: 2810 Mining

Subject: RIDGE CREEK Plan of Operations.
Name of Property or Claim/s

ORMC Number/s 4285

To: District Ranger
Star Ranger Station
6941 Upper Applegate Road
Jacksonville, Oregon 97530

The Operation outlined in this plan is expected to begin on April 1986 and end approximately November 1986.

Name and address of Claimant as filed with the County and BLM:
John H. Pugh, 2891 Elk Lane, Grants Pass, Oregon 97527

Name and address of principle correspondent, if different than above:

Name and address of equipment operator who will do the actual work:
John H. & Steven F. Pugh, same address.

Legal description of claim/s as filed with the County and BLM:
Township 41S, Range 3W, Section 3, of the WM of the .

Describe the work to be done and how it will be accomplished (i.e., list the equipment you will use and what will be done with it): including type and standard, origin, destination, and mileage of any new roads or trails proposed. List any equipment that will remain on the site.

I do not antisipate removing any mineral from this claim during the 1986 mining season. Only assesment work and prospecting is antisipated on this claim during the 1986 season.

Continue on separate sheet if necessary.

Plan submitted by:
Name : John H. Pugh
Title Claim Holder
Date: 1-21-86

Plan received by Authorized Officer:
Name : Bengt R. Hammer
Title : Resource Assistant
Date : 1-22-86