

### HISTORY OF THE AREA

Located in S.W. Nevada, Mineral County has been appropriately named. Its great variety of mineral deposits include the metals copper, gold, silver, tungsten, lead and mercury and the non-metals fluorspar, diatomaceous earth, salt, borax, barite and turquoise, all of which have been mined since the 1860's. Well over \$120 million has been produced, principally gold-silver from the Aurora and Candelaria districts, copper from Santa Fe, mercury from Pilot Mountains, fluorspar from Broken Hills and tungsten from the Rawhide district. There are many other metals in evidence, especially iron. molybdenum and uranium which are currently being actively explored.

Of particular interest is the 40 mile long Walker Lake which has the highest uranium count of any lake in North America. A recent study by Lawrence-Livermore Laboratory. California, stated that "the potential value of sodium carbonate in Walker Lake would exceed 450 million dollars if only one half of the species were extracted. Minerals such as uranium, molybdenum, zirconium, lithium and borax have a value approaching 100 million".

Mineral County has recently applied for a \$250,000 grant to conduct a feasibility study that could determine methods of extracting this mineral wealth and recycling the water to improve the fishing industry.

This location map covers an area about 120 x 80 miles with Mineral County in the centre and parts of Lyon County to the west and the Counties of Nye and Esmeralda to the east.

### **PRODUCTION**

Current large-scale production in this total area includes Anaconda's 30-year-old, 27,000 ton per day open-pit copper mine at Yerington and the world's largest brucite operation at Gabbs. There are numerous 100-500 ton/day gold-silver milling and leaching plants as well as silica, scheelite, tungsten, diatomaceous earth, mercury and turquoise mines of various sizes.

The most recent new production facility in the area is the Argentum Project near Coaldale, in South Mineral County.

Owned by Dallas Explorations of Vancouver, B.C. this multi-purpose 1,200 ton per day mill combines under one roof, a 200-ton-per-day

flotation gravity circuit that will treat tungsten and molybdenum ores and a 1,000 ton-per-day cyanide circuit to treat precious

Tungsten-molybdenum ore is shipped from the Black Horse Mine (7 miles west of the mill) which has stockpiled 3,000 tons of ore averaging 0.383% tungsten and 0.275% molybdenum. Gold ore comes from the Boss Mine (21 miles east) where recent drilling has indicated 450,000 tons grading plus .10 oz. per ton Gold.

Additional mill feed is delivered from the Mohawk Mine (27 miles south of mill and off the map) which has over 37,000 tons of proven high-grade reserves averaging over 20 oz. of silver per ton. The vein system is open on both ends and at depth.

Production and mining operations have been located on the map with a 'double line' or by a circle to indicate small-scale turquoise mines. It is believed that several of the U.S. firms who have been drilling copper-moly and iron deposits for many years, will soon be announcing production plans.



**Dallas Explorations-New Argentum Mill** 

### **EXPLORATION**

During the past few years, exploration activity in Nevada and especially the area around Mineral County, has been increasing at a rapid rate. The state of Nevada is recognized for its mineral wealth and for laws and attitudes towards the mining industry that encourage exploration and development.

The long list of large and small mining companies expending millions of dollars exploring Nevada's mineral deposits, is indicative of Nevada's mining policies. On this map alone, you will find virtually all of the U.S. 'majors' as well as Canadian producers such as Kerr Addison, Bethlehem Copper and Noranda Mines. Junior

Canadian exploration companies include Westley Mines, M. & M. Porcupine, Beach Gold, Maverick Mountain Minerals, Meridian Resources, Dallas Explorations, Cream Silver and Colby Mines. The French Government (through S.E.R.E.M.) has an active program as well as Rio Tinto and the Swedish firm, Granges Essem.

The map depicts 44 producing mines of varied size and purpose and about 58 separate properties being actively explored. There are probably many more!

The search is broadly-based and centered on discovering uranium (Westinghouse has 5 drills working), copper-moly (Amax-Anaconda – U.S. Smelting have 10 drills), tungsten and iron. Large lower-grade silvergold tonnages that can be leach-mined are being developed around the famous, old and prolific mining camps by major U.S. companies (Phelps Dodge at Bodie, Homestake at Aurora and Occidental at Candelaria).

This map has been prepared from sources which are believed reliable but exact locations, sizes of claim blocks or any other information provided, cannot be guaranteed It is intended to present a broad picture of production and exploration in Mineral County and surrounding areas. From work done to date and increasing activity at the present time, the long-term outlook for the area appears exciting.



### **CANADIAN MINING COMPANIES ACTIVELY EXPLORING**

— FOR URANIUM —

M. & M. PORCUPINE GOLD MINES LTD. (listed on the Vancouver Stock Exchange)

THE ULE ANN PROSPECT: This 938 acre property is only 12 miles S.E. of Hawthorne with easy access off Highway #95. The main mineralized area appears to be contained in a sandstone sediment.

The property was first drilled in 1969 when uranium prices were low and the export of uranium oxide was not allowed under State law. According to a 1969 Report, the first hole encountered 4.16 lbs. and the second (600 feet away) 3.5 lbs. U<sub>3</sub>O<sub>8</sub> per ton over the same width of 46 feet (from 80'-126'). A third hole drilled 700 feet further east, encountered "high grade ore" but was lost by caving. The Report states that "radiometrics obtained from this hole were a much higher grade than anything drilled in this group". A recent channel sample taken across a five foot exposure of a large pit, assayed 2 lbs. U<sub>3</sub>O<sub>8</sub> over five feet.

M. & M. Porcupine conducted a radiometric survey across the entire claim group which indicated a strike length potential of over

An \$80,000 exploration and drilling program is underway and, depending on results, further work will be conducted to determine tonnages and grades.

### BEACH GOLD MINES LTD. (listed V.S.E.)

1. THE ULE ANN PROSPECT

Beach has acquired approximately 32 claims north and adjoining the M. & M. Porcupine property and about 2,000 feet from their discovery zone. On these claims there is evidence to suggest that the high-grade uranium structure on the M. & M. Porcupine ground extends northward.

### 2. OLD RED HOT CLAIMS (about 15 miles S.W. of Hawthorne)

These 18 contiguous claims, through which a main road runs, contain a structure 30 feet wide which appears to extend over 1 mile. A surface sample across a 30 foot width, gave a value of ½ lb. U<sub>3</sub>O<sub>8</sub> per ton. It is anticipated that values increase at depth because of surface leaching.

Beach Gold intends to drill three exploratory holes to test the anomaly.

### CREAM SILVER MINES LTD. (listed V.S.E.) THE ULE ANN PROSPECT

Cream Silver (like Beach Gold) has acquired a parcel of land adjoining north and east of the M. & M. Porcupine group. Preliminary exploration has been conducted to determine possible drill locations.

### MERIDIAN RESOURCES (listed V.S.E.)

WHITE HOT PROSPECT (20 miles west of Hawthorne)

This large claim group is situated along the East Walker River with Kerr McGee tied-on to the south and International Minerals to the north.

Old workings include a shaft and trenching along a 300 foot long, 10-15 foot wide shear zone from which, two carloads of material averaging about 14 lbs. U<sub>3</sub>O<sub>8</sub> were shipped in mid-1950. A second showing a mile away by the river and radioactive hot springs (which carry .002% U<sub>3</sub>O<sub>8</sub>), has visible carnotite and radioactive material.

Recent sampling over 150 feet of the shear zone had surface assays ranging from 0.002% to 0.092% U<sub>3</sub>O<sub>8</sub> per ton.

Meridian plans to explore the area to determine the depth and length of the major fault gouge.



### — FOR COPPER - MOLY - ZINC —

COLBY MINES (listed V.S.E.)

PARADISE PEAK GROUP (just south of Gabbs)

This large 155 claim group has a dual potential – as an early producer of tungstensheelite and as a large tonnage copper-moly prospect. The property is surrounded on three sides by U.S. Smelting, S.E.R.E.M. Corp. and Professional Inc.

An open-pit from previous mining, contains an indicated 3,000 tons 0.3 to 0.45% WO<sub>3</sub> (value \$42-\$63 per ton of ore). From surrounding evidence of other tungsten shows, a few short drill holes could justify an immediate mining and direct shipping operation.

The major copper-moly deposit which is 4,200 feet long by 2,000 feet wide, is a classic porphyry stock with soil sampling indicating mineralization covering two thirds of the porphyry. Surface samples have values from 0.05 to 0.67% copper and from nil to 7.10 oz. silver per ton.

Exploration to determine over-all grade of the structure is being conducted.

### **CREAM SILVER MINES**

STRIKE CLAIMS (50 miles east of Hawthorne)

A tabular copper deposit partially exposed by old trenches and one drill hole, is 5,000 feet long and 1,800 feet wide. Recent surface samples and samples from 23 bulldozer trenches, range in values up to 1.32% copper. A 200 foot drill hole (for assessment purposes) reportedly assayed .98% average copper and .5 oz. silver per ton through the first 104 feet.

A second anomaly 3,000 feet S.E., has been geochemically sampled with values up to .14% copper. Drilling to confirm tonnages and grades is planned to determine the openpit potential of the prospect.

### MERIDIAN RESOURCES

WHITE HILL MINE (25 miles E. and N. of Hawthorne)

Previous workings outlined a copper skarn deposit containing 0.4% to 0.92% copper and 0.65% zinc across 270 feet and a tungsten zone from which several thousand units of tungsten were shipped from the 57 claim

In 1971, a drill program included four rotary percussion holes:

Copper Assay	Zinc
0.0533%	0.61%
1.567%	0.80%
1.67%	0.43%
3.92%	0.39%
	0.0533% 1.567% 1.67%

and several diamond drill holes, one which contained 0.01% to 5.02% copper through 259 feet and the other, 0.011% to 0.652% molybdenum through 199 feet. A 260 foot main tunnel into the hill, assayed an average of 0.91% copper and 0.65% zinc.

A program of geological mapping, sampling and drilling to determine grade and extent of the ore body is planned.

### — FOR COPPER – IRON – ZINC —

### **BEACH GOLD**

BELT BUCKLE (12 miles N.E. of Hawthorne)

This magnetic skarn zone in limestone, adjacent to a granite contact, contains copper values .6% to 5.02%; zinc values from 2.5% to 5%; iron values up to 38% and traces of silver.

Bulldozed trenches have scraped off a roof pendant of skarnatized limestone about 300 feet in diameter. There is also a large, milelong aero magnetic anomaly on the property

A magnetic survey over the entire area to delineate the magnetic anomaly and a drill program to prove tonnage and grade is being

### — FOR TUNGSTEN —

### **COLBY MINES**

- 1. PARADISE PEAK (see copper-moly category)
- 2. TUNGSTEN DEPOSIT (8 miles north of Gabbs)

Between 1953-57, when tungsten had a \$3/lb. value, this property produced approximately \$750,000. The geology is similar to the adjoining Victoria Mine which, during the same period, produced \$7.5 million.

Tungsten-bearing mineral occurs on at least three distinct types of deposits. Exploration and development is being carried out to block-out sufficient tonnage and to determine grades on or near surface that could justify immediate production.

# DALLAS EXPLORATIONS (listed V.S.E.)

BLACK HORSE MINE (7 miles west of Coaldale)

Probable ore reserves in excess of 200,000 tons grading 0.383% tungsten and 0.275% molybdenum will be open-pit mined and delivered to the new Argentum mill at

## — FOR SILVER – GOLD —

DALLAS EXPLORATIONS (50% interest) BOSS MINE (21 miles east of Coaldale)

Recent drilling results down to 240 feet, have revealed a flat dipping ore zone averaging 35 feet in thickness of plus .10 oz. per ton gold. Indicated reserves are 450,000 tons which will be mined by open-pit methods and delivered to the Argentum mill.

### WESTLEY MINES (listed V.S.E.)

SANTA FE PROJECT (7 miles north of Luning)

Bethlehem Copper drilled this property in 1974 resulting in probable reserves of 4.5 million tons of .055 gold and 1 oz. silver per ton (\$13.00 ore).

Recent drilling to 760 feet encountered one hole grading 200 feet of .06 gold and 1.16 oz. silver per ton.

Further work is planned to extend the zone and metallurgical tests are being conducted in association with the Swedish firm, Granges Essem.





# ALIVE AGAIN





### CANARIM INVESTMENT CORPORATION LTD.

Head Office: Suite 1350-409 Granville Street, Vancouver, B.C. V6C 2J5

MEMBER OF THE VANCOUVER STOCK EXCHANGE, WINNIPEG STOCK EXCHANGE, ALBERTA STOCK EXCHANGE

Officers & Directors: P. M. Brown, A. E. Turton, B. D. Harwood, D. Pond C. C. Buckland.

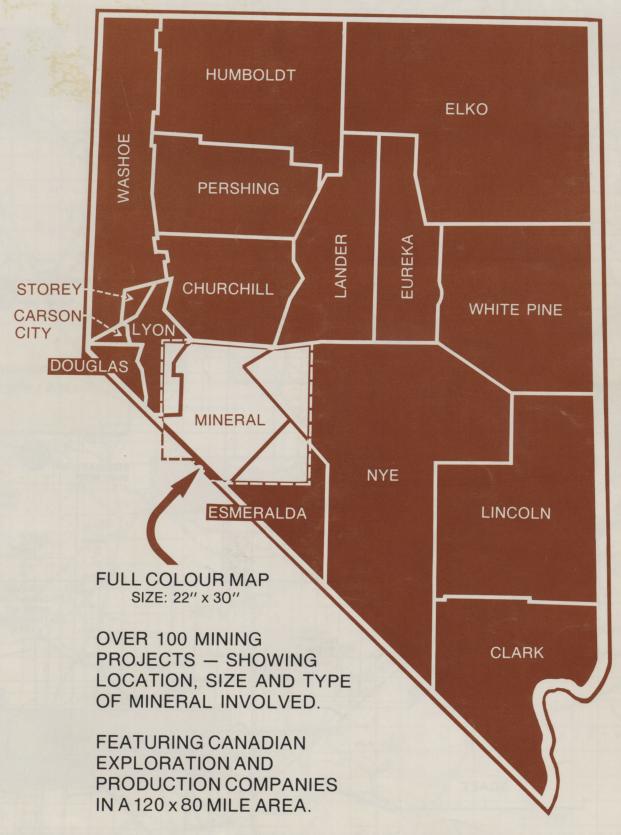
This report has been prepared by Robert G. Crompton from sources believed reliable but which cannot be guaranteed. Canarim Investment Corporation Ltd., its directors, officers or employees may from time to time maintain positions in the shares of the companies

MINING EXPLORATION, DEVELOPMENT AND PRODUCTION PROPERTIES IN:

item/

Mineral Co.

AND PARTS OF LYON, NYE AND ESMERALDA COUNTIES



**PROPERTY LOCATION MAP** 

