

The lead returns from the Hall Mines smelter for May show a marked decrease, due largely to light shipments from the St. Eugene, the ore from which (for May and June) is nearly all being sent to Antwerp.

The returns are as follows:—

Mine.	lbs. ore.	lbs. lead.
Alice .....	120,571	81,835
Arlington .....	43,374	1,952
Charleston .....	40,802	8,446
Dundee .....	41,280	2,518
Emily Edith .....	42,568	22,646
Hewitt .....	27,348	1,996
Home Run .....	16,033	1,195
Horseshoe .....	13,186	2,227
Ivanhoe .....	128,117	81,059
Last Chance .....	114,986	42,907
Lorna Doone .....	10,962	1,129
Lucky Boy .....	15,691	2,780
Majestic .....	41,070	28,010
Neepawa .....	185,612	11,478
Noonday .....	35,513	10,378
No. 1 .....	36,726	1,285
Ore Hill .....	3,141	509
Payne .....	154,815	34,647
Reco .....	36,739	10,936
Ruth .....	37,536	8,633
St. Eugene .....	266,341	170,558
Silver Cup .....	200,282	33,958
Skylark .....	37,315	1,231
Standard .....	56,402	20,587
Whitewater .....	118,434	50,809
Wilcox .....	93,558	984
Ymir .....	234,550	29,756
<b>Total .....</b>	<b>2,149,952</b>	<b>664,706</b>

Supplementary for April, Reco, 367 lbs. of lead.

The Hunter V. Mine, owned by the B. C. Standard Mining Company, has been closed down for an indefinite period.

Mr. M. Davys, who had leased a number of properties, including the Silver King, Poorman and Granite, in the Nelson district, and the Hewitt and Emily Edith at Silverton, has decided to discontinue his mining operations, in consequence of the acquittal of a union miner, named Roberts, who was charged with shooting at him with murderous intent. Mr. Davys states that he will not resume work at these properties unless he can secure non-union labour in future.

Much activity is reported in the vicinity of Erie. The Arlington mine continues to make steady production development, work being also in progress. The Canadian King and Keystone being operated under lease are also shipping high-grade ore, while development work is being conducted by the Copper Farm M. & D. Co., and two claims have recently been opened up at Green City, upon which promising ore deposits have been exposed.

The assay office and plan of the Reliance Gold Mining Co. was damaged by fire during the month to the extent of \$2,000. The loss was covered by insurance, but the incident is none the less a regrettable one, as it will cause a delay in the operation of the plant, which had been put in good working order.

East Kootenay.—Preliminary operations, by means of the Heberlein roasting process, have already commenced at the new smelter erected at Marysville, and a large quantity of ore has now been treated. It is expected that within a few weeks some 300 tons will be treated daily. The two Heberlein-Heberlein ovens are meanwhile giving good satisfaction, producing from thirty to forty-five tons a day. The ore from the Sullivan mine is first put through crushers and rolls, and thence conveyed to the automatic sampler, and finally to the ovens. The company has not yet, however, decided to adopt the Heberlein process until its success shall have been thoroughly demonstrated.

Hydraulic operations commenced last month at Perry Creek, where large expenditures have been made during the past two years in equipment.

Mr. N. M. Curran, manager of the North Star mine, who was in Montreal last month, states that arrangements have been made for the commencement of operations upon the Stem Winder, Ontario and Midnight claims, while work is also to be resumed at the North Star.

The St. Eugene will, it is said, declare another dividend of \$70,000 payable on the first of July. Since the beginning of the year the St. Eugene has made profits as follows:—

January .....	\$43,000
February .....	42,000
March .....	70,000
April .....	60,000
May .....	70,000

Slocan District.—The Kootenay Ore Company's zinc plant, situated at Kaslo Bay, is now said to be in steady operation, with a capacity of about 60 tons daily.

In the Alnsworth division, the Highlander Company has purchased the property owned by the Black Diamond Tunnel Company, numbering 12, and adjoining the Highland mine to the west. The Highland tunnel has already been extended some 800 feet into the Black Diamond ground. Work at the mine is to be recommenced shortly.

Milling operations at the Jackson property are now in progress, with two shafts working. The Slocan Star mine is now shipping about 40 tons of silver-zinc ore daily to the United States Zinc Company, Pueblo, Cal. The grade of the ore gives about 40 % zinc, with good silver values.

Mr. Norman Carmichael, manager of the Highland mine, at Alnsworth, recently returned from Europe, having obtained the approval of the directors to his plan of developing the property, and the work is to be proceeded with at once.

Good progress is being made in the driving of the 4,300 foot tunnel at the Rambler-Cariboo, more than half the distance having now been driven. The tunnel, it is estimated, will cost \$60,000, and \$15,000 additional for equipment. It will, however, enable the mine to be worked much more advantageously.

The machinery for the new zinc enriching plant at Rosebery has now arrived, and it is expected that the mill be in operation by the end of August next.

The Ottawa mine continues to make an excellent showing. The property is owned by Pittsburg Investors, by whom it was bought for \$13,500. Net profits last year realized \$35,000, about 1,200 tons of ore being shipped. At present the mine is being opened up at the fifth level, by a tunnel, and it is proposed to now install an 8 or 10 drill compressor.

Arrangements were made last month for the shipment of the ore on the Arlington (Slocan) dump, to the Hall Mine Smelter. It has been further decided to resume work at the mine.

A considerable tonnage of zinc ore produced last year is being shipped by the Ruth Co. to the Kaslo sampler. On the success of operations in starting this parcel of ore will depend the future working of the zinc deposit in the mine.

Boundary District.—The Granby Company has secured bonds on a number of claims on Kruger Mountain, near Lake Osoyoos, upon which prospecting operations are to be commenced. It is said that these properties contain large deposits of iron ore, which will be utilized for fluxing purposes.

Ore shipments from Boundary mines during the month of May aggregated \$0,044 tons, being practically the same as the output for April. At the present rate of production the district should be capable of producing this year a million tons of ore.

A new ore body is reported to have been discovered at the Mother Lode mine, owned by the B. C. Copper Co., by diamond drilling, forty-eight feet of good ore having been passed through.

Some excellent ore has been taken from the Crescent claim, in Skylark Camp, the value of the dump being estimated at \$10,000, and the value of the ore at from \$100 to \$200 per ton.

At the rich Providence mine, near Greenwood, active development work is being prosecuted with a force of forty men, drifting being carried on at the 200, 300 and 400 ft. levels.

At the Highland Queen mine, one of the oldest locations in the district, a fine ore body has been reached by tunnelling, the ore being exceedingly rich. The property was bonded in April last.

The Preston, a claim adjoining the Crescent mine, has been acquired by Chicago investors, who, it is said, propose organizing a company to develop the property.

Mr. J. P. Graves, general manager of the Granby Mines, is reported to have said that the company will shortly commence the sinking of a new three-compartment shaft, with a view to increasing the productive capacity of the mines, to from 100,000 to 150,000 tons monthly.

Another high-grade property, the Duncan, is being developed on the west fork of Kettle River, a streak of rich carbonates having been encountered, assaying in gold and silver values over \$400 to the ton. On the Rambler claim, in this locality, a rich body of ore has recently been encountered, and it is proposed ere long to commence raveling the Dry Creek and thence freighting to Midway. The cost of shipping ore to Midway is at present \$17 a ton.

The Skylark mine, in Skylark Camp, which was bonded to a local syndicate last autumn for \$30,000, has already been sufficiently profitably operated to enable the bondholders to meet all the payments from the proceeds realized. It is said that some specimens of silver telluride are being taken from this mine.

The unwatering of the Jewel mine at Long Lake Camp has been completed, and the engineers of the Le Roi No. 2 have sampled the property with a view to its purchase.

Recently the bondholders of the Twin claim, situated in the immediate vicinity of Greenwood, encountered three feet of rich galena ore in the tunnel that is now being driven.

It is reported that the British Columbia Copper Company purposes to increase its capital stock from two to four million dollars.

The new blast furnaces being installed at the Granby Mines are of a capacity of 35 per cent. greater than those at present in use. The capacity of the blower-room is also increased by the addition of a 300 h.p. blower, and a new blower of larger capacity is being placed in the converter department.

## YUKON.

Mr. K. B. McLennan, manager of the Bullion Hydraulic Company, reports that already 175,000 feet of lumber has been cut and hauled to Bullion, to be used in flume construction. The company has also all the pipes and pumping machinery on the ground, and certainly by the beginning of July active operations will be well under way. Excellent reports are also received from Burwash, Fourth of July and Arch Creeks, good pay having been discovered on Fourth of July. It is expected that a large output of gold will be made from the Klunene district this season.

The first shipment of gold from Dawson, consigned to the United States Assay Office at Seattle, is now beginning to arrive, over a million dollars' worth having already been brought down.

Rich discoveries of placer gold are reported to have been made on Hight Creek, a tributary of Mayor River, about 250 miles distant from Dawson.

## COAL MINING NOTES.

### NOVA SCOTIA.

The imports of bituminous coal from the United States during the month of April aggregated 292,928 tons, a gain of 25,742 tons over the same month of last year. For the ten months ending April 30, 1905, the bituminous exports amounted to 3,705,050 tons, a gain of 162,399 tons over the same period of 1904. The imports of coke for April, 1905, amounted to 61,906 tons, a gain of 23,144 tons over April, 1905.

The Nova Scotia Steel and Coal Company are putting in a double-decked cage at No. 1 Colliery, and are making additions to the plants at other collieries with the object of raising 650,000 tons of coal during 1905.