

	Tons.
<i>Rambler-Cariboo</i>	2,100
<i>Ruth-Hope</i>	553
<i>Slocan Star</i>	986
<i>Standard</i>	7,930
<i>Wonderful</i>	190

The small shippers were as follows: *Black Grouse* (a new find), 11 tons; *Buffalo*, 14 tons; *Galena Farm*, 20 tons; *Home Rule*, 2 tons; *Ivanhoe*, 18 tons; *Mercury*, 17 tons; *Molly Hughes*, 18 tons; *Reco*, 73 tons; *Rio*, 13 tons; and *Wakefield*, 32 tons.

The *Nelson Daily News* gives the following Slocan mines as zinc-ore shippers in 1915: *Galena Farm*, 248 tons; *Heclitt*, 1,563 tons; *Lucky Jim*, 1,020 tons; *Rambler-Cariboo*, 934 tons; *Ruth*, 84 tons; *Slocan Star*, 440 tons; *Standard*, 4,813 tons; *Surprise*, 781 tons; total from Slocan mines, 11,802 tons. Revised returns may be expected to cause some changes in these figures.

Bear Lake to Sandon.—Work was resumed at the *Lucky Jim* after temporary settlement of financial troubles. There is much zinc ore developed in the mine. Arrangements were made for concentration of ore at the *Ivanhoe* mill, Sandon, but three days after milling of the ore was commenced the mill was destroyed by fire. After several weeks' delay J. P. Keane got the Rosebery zinc-concentration plant running, and before the end of October *Lucky Jim* ore was being concentrated there.

The *Rambler-Cariboo* shipped 2,100 tons of silver-lead ore and concentrate to Trail in 1915, against 1,934 tons in 1914. In addition, zinc concentrate was sent to United States smelters to a stated total quantity of 934 tons. The *Rio*, above the *Rambler-Cariboo*, was further developed by lessees, who took out a little ore. Late in the year development-work on the *Soko* group, in the same neighbourhood, was arranged for.

About Sandon and Cody.—Development to the deep of the *Payne* mine was continued; the raise from the 1,500-foot level, which is a crosscut drift driven about 3,600 feet into the mountain, to the old 800-foot level, was completed, and an intermediate opened from the raise to cut ore followed down 34 feet in a winze from the 800-foot level. This object was achieved.

The Ruth Mines, Limited, operating the *Ruth* and *Hope* groups of claims near Sandon, continued driving a lower crosscut adit (No. 5) commenced in August, 1914, extending it to about 1,700 feet from the portal. Some 400 feet of drifting was done, and for half that distance there was a small shoot of ore, sometimes clean and again mixed. It was expected that a raise 450 feet to No. 4 level would be completed by the end of the year. The concentrating-mill at Sandon was remodelled, an aerial tramway was constructed from the portal of No. 5 to the mill, and in the autumn ore-concentration was again being done after a long period of inactivity at the mill. The silver-lead concentrate averages 135 oz. silver a ton and 60 per cent. lead; the zinc product contains 120 oz. silver a ton and 37 per cent. zinc.

The position at the *Slocan Star* mine, as indicated by the company's published reports, is substantially better than at the end of 1914. During the calendar year 1915 there was received at Trail from this mine 986 tons of silver-lead ore and concentrate; besides this, there was some zinc concentrate shipped to the United States. Production in 1914, up to the time of suspension of operations in August on account of the war, comprised 808 tons of lead ore and concentrate shipped to Trail and 664 tons of zinc concentrate. The grade of ore and concentrate is shown in the following excerpts from the annual report for the fiscal year ended October 31st, 1915: "Shipments of crude ore from development for the year were: Lead ore, 204 dry tons, assaying 88.94 oz. silver to the ton, 59.86 per cent. lead, and 6.94 per cent. zinc, and 43.40 dry tons zinc ore, assaying 12.015 oz. silver to the ton and 43.65 per cent. zinc. . . . The mill ran 251 shifts of eleven hours and milled 17,837 tons of dry ore, an average of 71 tons a shift, producing 635.5 tons of lead concentrate, averaging 66.55 oz. silver to the ton, 58.33 per cent. lead, and 8.15 per cent. zinc; also 1,400 tons