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copper and silver in quartz veins with possible massive sulphides in volcanic rocks mapped by Muller as Sicker group. Doromin is planning a more aggressive drill program to start in January.

- Island Copper
- Island Copper: John Fleming, Chief Geologist, reports they drilled 8621 metres in 36 exploration holes on the mine property in 1989. Highlights mentioned were the firming up of a small tonnage of ore reserves in the A zone northwest of the mill (moved from "indicated" to "measured") and a particularly good intersection of ore grade material on Red Island southeast of the pit. The slurry wall is now complete, the south wall is being de-watered and soon will be ready for mining. Average daily ore feed is currently about 50,000 tonnes, significantly above rated capacity. Although the depletion of reserves is still only a few years away, there appears to be no slackening of production.
  - Quatse Lake: Hisway Resources Corp. (Peter Christopher, Consultant) completed one short hole and did some trenching on a claim group at Quatse Lake adjoining the northwest corner of the Island Copper mine property. Included within the property is the old Caledonia Cu/Ag/Zn skarn prospect. The one drill hole appears to have returned only minor copper mineralization in vesicles in Karmusen basalt and was some distance away from the known skarn mineralization.

#### New Westminster Mining Division

- Giant Copper
- Easy and Jo: The Easy and Jo prospect, located on the west side of the Lillooet River opposite Skookumchuk was drilled in December with five holes totalling about 400 metres. The work was financed by Kali Venture Corporation under an option agreement with joint owners Hillside Energy and Corona Corporation. Tim Sadler-Brown is project manager. The zone of interest is a north-trending, sheared stratigraphic contact between very fine-grained felsic tuff and andesitic lapilli tuff of the Fire Lake volcanics. Syngenetic base metal sulphides in the tuffs do not contain gold but a strong gold soil anomaly and a few high gold values in pyritic schist coincide with the "shear zone" and are believed to indicate a superimposed epigenetic gold event. No assay results from the drilling had been received by the end of December.
  - Giant Copper: Bethlehem Resources returned to the Giant Copper property adjacent to Manning Park in November and drilled nine more rotary holes, eight at the AM breccia and one in the new zone northeast of the AM zone. Highlight of the 1989 work has been the indication that the previously untested central and southern parts of the Am breccia contain extensive Cu/Au/Ag mineralization, comparable in grade to the indicated reserves in the north end of the zone. The company has released preliminary calculations which demonstrate that the published reserves can be significantly expanded when all of the current data have been assimilated. Representative of the grade of mineralization encountered in the southern part of the zone is an intersection from one of the late season holes which assayed 1.15% Cu, 0.58 g/t Au, 15.4 g/t Ag over 50 metres. Bethlehem is very bullish about the reserve potential but make no secret of the opinion that overall viability may depend on gaining access to the Invermay Cu zone which is currently within the Skagit Valley Recreation area.
  - Ladner Creek: Carolin Mines Ltd., former operator of the Ladner Creek (Carolin) gold mine near Hope has been reorganized, refinanced and renamed Anglo Swiss Mining Corporation. The new management is optimistic about their ability to increase reserves, design a more efficient milling process and reopen the mine. They have retained Joe Shearer, former exploration manager for Carolin, and he shares their enthusiasm. Work began on the property in November with the drilling of 12 underground holes in the Idaho zone and six surface holes at the potentially open-pitatable McMaster zone located about one kilometre north of the former mill.
- Carolin