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Atlas Explorations Limited

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NO. 666
VANCOUVER STATIONERS

JOHNNY CASH GROUP
 Atlas Explorations Limited
 330 Marine Building
 355 Burrard Street
 Vancouver, British Columbia.

Copper-Lead-Zinc
 115 I 5
 (62°25'N, 137°37'W)

Reference: Bostock (1936a).

Claims: CASH 1 to 48, JOHNNY 49 to 88

Location and Access:

The property is on the eastern flank of the Dawson Range, six miles southeast of Prospector Mountain on the inside of an arcuate bend in Big Creek. A winter road joins the property to the Freegold tote road on Revenue Creek but access during the summer is by helicopter only.

History:

The CASH group of forty-eight claims was staked in 1969 to cover the source of a heavy metal anomaly discovered in Big Creek and its tributaries by Coranex Limited in 1967. The claims were optioned by Atlas Explorations Limited in 1969 and the JOHNNY claims were staked to cover limonite stained outcrop to the northwest.

All of the Cash claims and the southern sixteen claims of the Johnny group were allowed to lapse after the 1970 program.

Description:

The oldest rock unit on the property, Yukon Group (unit 1, Bostock, 1936) quartz-biotite schists and banded quartzite with minor limestone is a belt trending east and dipping 25° to 30° in the northwest part of the claim group. The southern part of the property is underlain by a coarse-grained subhedral to porphyritic hornblende syenite (unit 9, op. cit.). A slight foliation of the hornblende and microcline phenocrysts trends northwest parallel to the long axis of the batholith. Locally, bodies of massive coarse-grained amphibolite and lighter coloured medium-

Johnny Cash cont.

grained quartz monzonite occur which may have resulted from magmatic segregation. Both the major rock units are cut by dykes of Tertiary rhyolite porphyry to five feet wide.

Current Work and Results:

The 1970 geochemical survey of soil and stream sediments outlined two copper-lead-zinc anomalies corresponding to minor gossans along the Big Creek Valley to the northwest.