

sharp contacts with altered trachytes. Significant quartz veining and associated precious metals mineralization occur in close spatial association with the ~~phreatic explosion~~ breccias. Later circulation by magmatic and meteoric waters through the hot permeable zone may have given rise to the veining and related mineralization. The very young age of the host rocks and thus the mineralization (i.e. younger than ~~four~~ m.y.) is also significant in terms of metallogenic models and future exploration targets.

ACKNOWLEDGEMENTS

The writer would like to thank Kerr Addison Mines Ltd. ⁴ ~~(especially Fred Daley)~~, and particularly ^{and particularly} for logistical support ~~regarding~~ ^{for} access, and for their kind hospitality and openness while on the property. ^{to the showings;}

REFERENCES

B.C. Ministry of Energy, Mines and Petroleum Resources: Assessment Reports 11,141 and 11,233.

Souther, J.G. (1971): Geology and Mineral Deposits of Tulsequah Map-Area, British Columbia, Geol. Surv., Canada, Mem. 362.

TABLE 1

Sa. No.	Description	Mineralized Zone	Au ppm	Ag ppm	Hg ppm	As ppm	Sb ppm
1.	HP-84-1 Banded and vuggy ^{quartz} vein with pyrrargyrite	Top	0.7	400	78	<8	124
2.	HP-84-2 Banded quartz vein with crosscutting greyish silica veinlet with minor disseminated sulphides	Top	1.4	1408	190	<8	600
3.	HP-84-4 7.6 ^{wide} cm coarse amethyst vein in silicified trachyte	Top	<0.3	<10	146	191	38
4.	HP-84-8 Grey chalcedonic trachyte breccia	Top	0.3	15	210	880	21
5.	HP-84-13 Banded white to blackish chalcedonic silica	Top	3.4	529	100	28	97
6.	HP-84-16 Silicified trachyte with quartz veinlets	Top	0.3	<10	544	102	8
7.	HP-84-17 Silicified trachyte with disseminated pyrite (5%)	Top	<0.3	<10	108	56	8
8.	HP-84-22 Silicified trachyte with disseminated pyrite (4%)	Quartz Hill	<0.3	<10	42	376	<3

sa. No.	Description	Zone	Au g/t	Ag g/t	Hg ppm	As ppm	Sb ppm
9.	HP-84-24 Silicified trachyte breccia with disseminated pyrite (2%)	Quartz Hill	1.4	502	20	0.49%	29
10.	HP-84-26 Silicified trachyte breccia with quartz veinlets and argillized fragments	Quartz Hill	<0.3	<10	189	126	<3
11.	HP-84-28 Opalized trachyte	Opal					
12.	HP-84-36 Silicified breccia with pyrite	Dog	—	—			No assays rec'd. (?)

~~Note: I haven't heard anything from the lab since Nov. 7th. re-assays?!~~

MINISTRY OF ENERGY, MINING AND
PETROLEUM RESOURCES

To: *Art Clendenan* Date: *Nov. 29/84*
From: *Tom Schroeter*

- For your approval.
- For your information.
- For necessary action.
- Send me copy of reply.
- For your comments.
- Prepare reply for my signature.
- Prepare draft of reply.
- Return to me.
- File.
- For signature.
- Wish to discuss.

*The completed assays,
Art. - Heart Peaks*

RECEIVED *Cheers,*

DEC 3 1984
KERR ADDISON MINES LTD.
Tom

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