

## TOODOGGONE RIVER AREA (94E)

By T. G. Schroeter

### INTRODUCTION

The Toodoggone River area lies approximately 300 kilometres north of Smithers; it is now recognized as a significant precious metals camp. Access into the area continued to be by aircraft only, mainly from Smithers.

The writer spent two 1-week periods in the area completing regional mapping north of the Toodoggone River. The mapping was done in conjunction with Andre Panteleyev and Larry Diakow at a scale of 1:25 000. A preliminary map of the Toodoggone area, at a scale of 1:50 000, will be available in early 1984.

### WORK DONE

Brief visits were made to the Golden Lion, JD, and AL properties and two stratigraphic sections located north of Moyez Creek were examined.

Work carried out by companies in the Toodoggone River area included the following:

- (1) *Kidd Creek Mines Ltd.*
  - (a) JD (Mineral Inventory 94E-32) – 1 200 metres of surface trenching in 22 trenches on the Gumbo and Gasp zones.
  - (b) AL (Mineral Inventory 94E-78, 79) – 2 400 metres of surface trenching in 43 trenches including the Bonanza and Ridge zones.
- (2) *SEREM Inc.*
  - (a) Lawyers (Mineral Inventory 94E-66) – 3 054.2 metres of diamond drilling in 17 holes (eight on Cliff Creek, seven on Duke's Ridge, and two on AGB).
  - (b) Lawyers – 1 800 metres of backhoe trenching on Cliff Creek and Duke's Ridge zones.

Minimal work was done on a few other claims within the area in order to maintain them in good standing.
- (3) *Newmont Exploration of Canada Limited*
  - (a) Shas (Mineral Inventory 94E-50) – 674 metres of diamond drilling in nine holes and 20 blasted trenches explored the main zone and a new area, the Creek zone, with encouraging results. Gold-silver-bearing quartz vein stockworks occur within a 1 000 by 1 600-metre area of altered Toodoggone tuffs.
  - (b) Golden Lion (Mineral Inventory 94E-77) – 21 backhoe trenches totalling 1 908 metres in length outlined an area of significant silver mineralization.

Regional exploration was also carried out by:

(4) *DuPont of Canada Exploration Limited*

Pel – 139 metres of diamond drilling was done in two holes on an alteration zone in Toodoggone 'grey dacite'.

(5) *Taiga Consultants Ltd.*

Property work, including prospecting, geological mapping, and sampling, was carried out on the Mets, Belle, and Saunders claims.

(6) *Asitka Resource Corporation*

Grace (Mineral Inventory 94E-47, 48, 49) – the company carried out approximately 500 metres of diamond drilling to test copper-zinc-gold mineralization in skarn zones along marble-granodiorite contacts and gold mineralization in siliceous zones and in chloritic veins within coarse pyritic meta-siltstone.

(7) *Western Horizons Resources Ltd.*

Golden Stranger (Mineral Inventory 94E-76) – conducted geological mapping and prospecting on the Dave Price and Gord Davies claims.

#### ACKNOWLEDGMENTS

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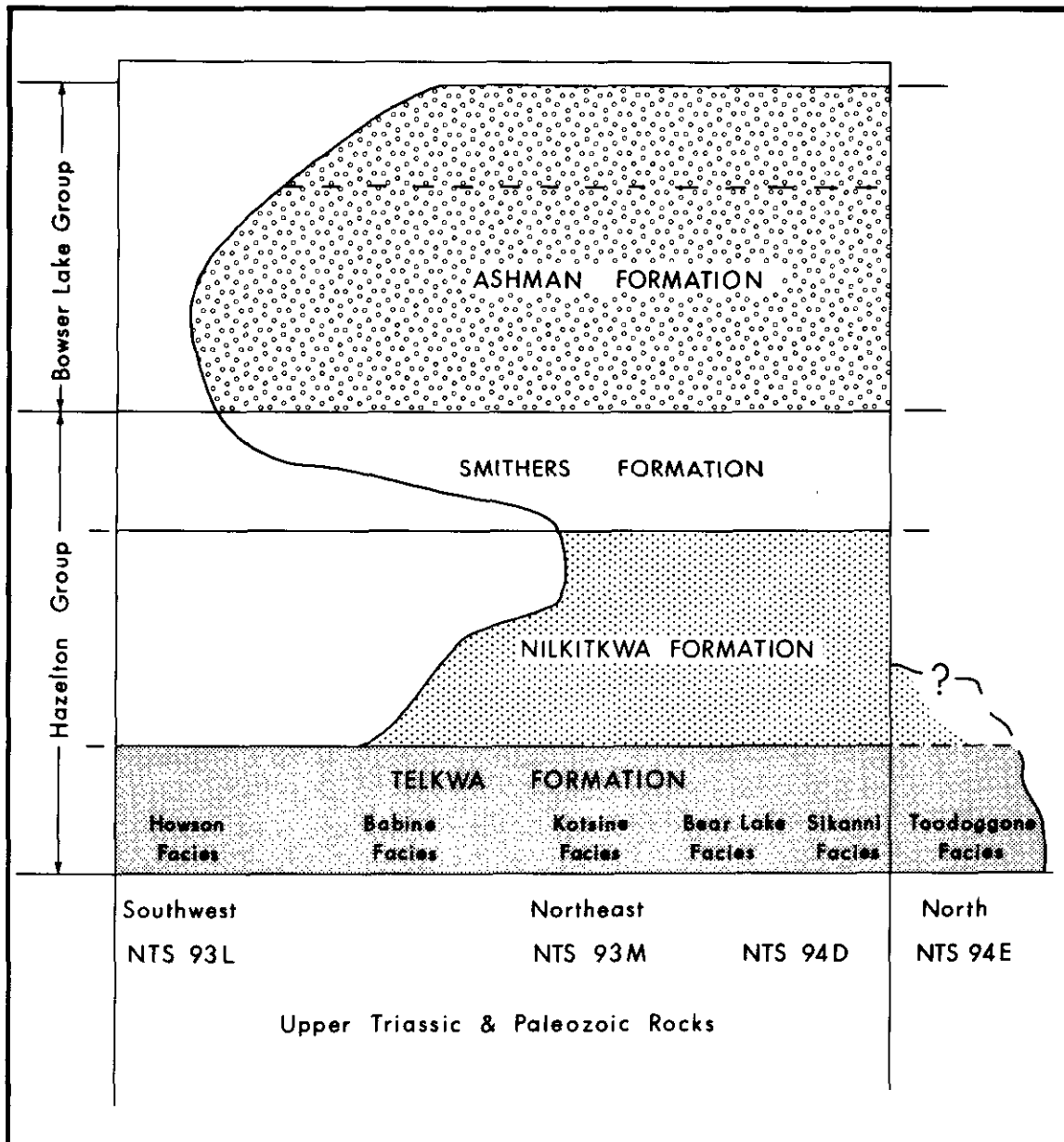


Figure 52. Time stratigraphic cross-sections of the Hazelton and enclosing Groups (modified from Tipper and Richards, 1976).