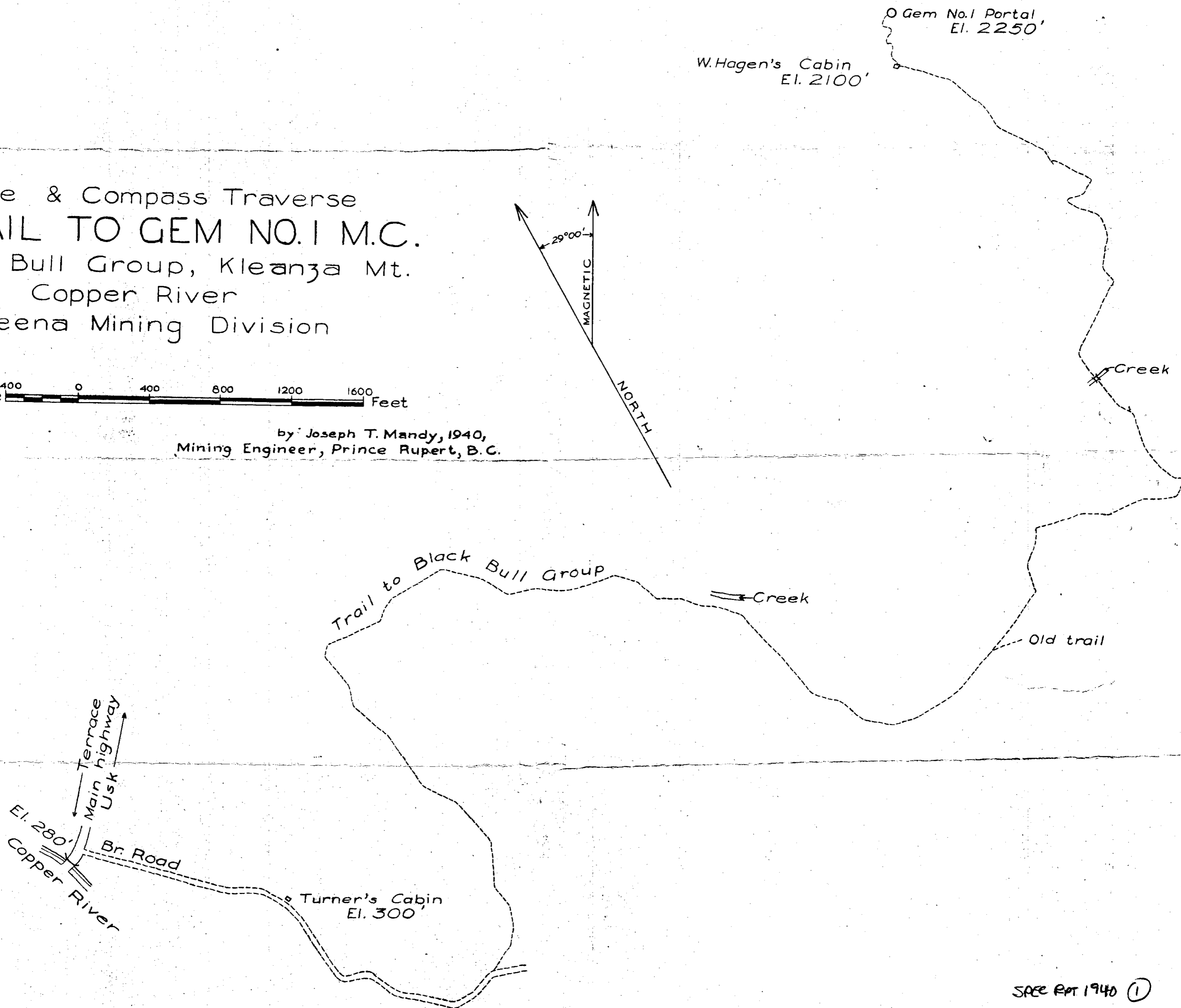
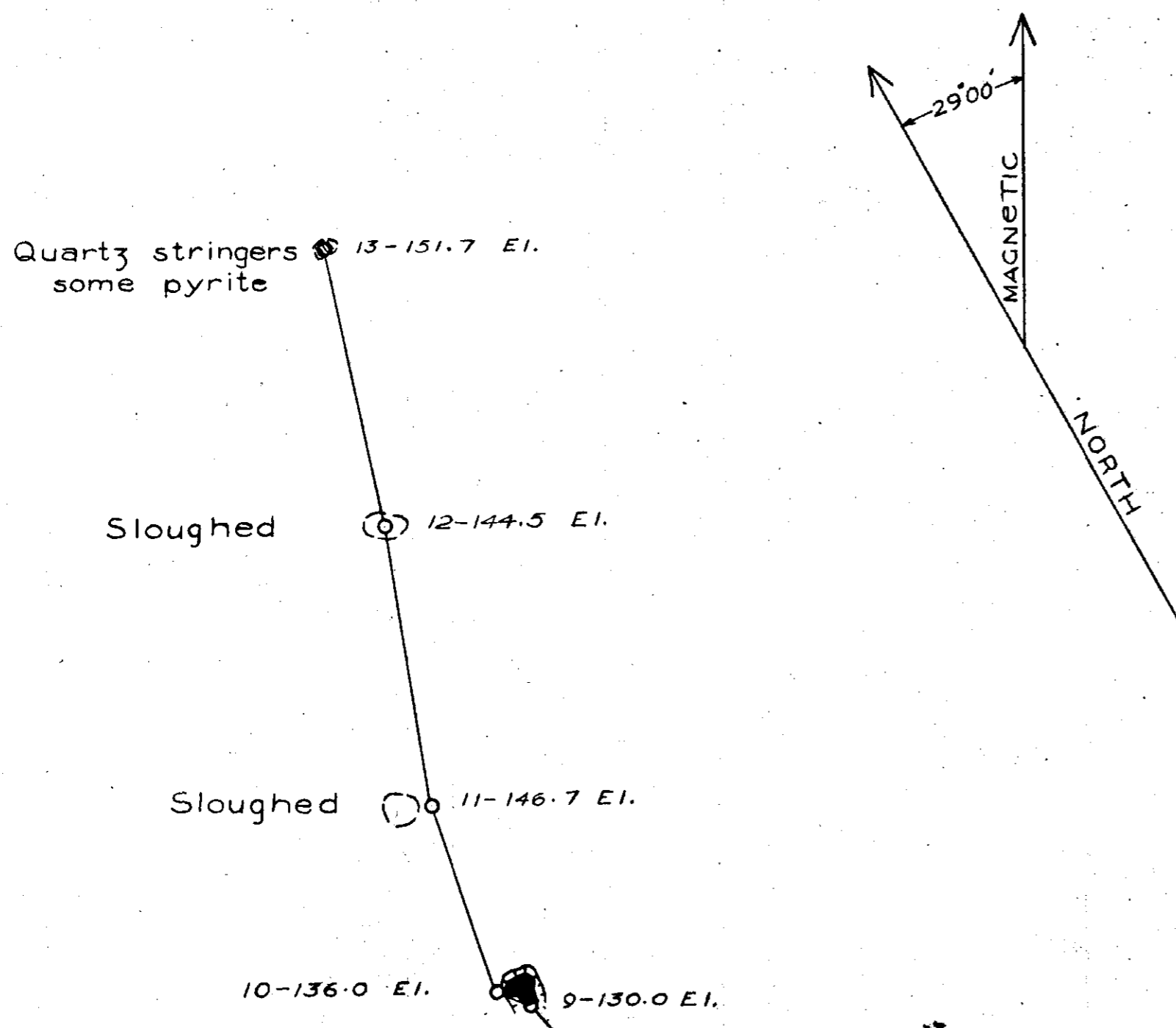


Pace & Compass Traverse
TRAIL TO GEM NO. 1 M.C.
Black Bull Group, Kleanza Mt.
Copper River
Skeena Mining Division



by Joseph T. Mandy, 1940,
Mining Engineer, Prince Rupert, B.C.





LEGEND

- Carbonate tuff
- Lamprophyre dyke
- Quartz
- Open-cut
- Stripping
- Adit
- Strike & Dip

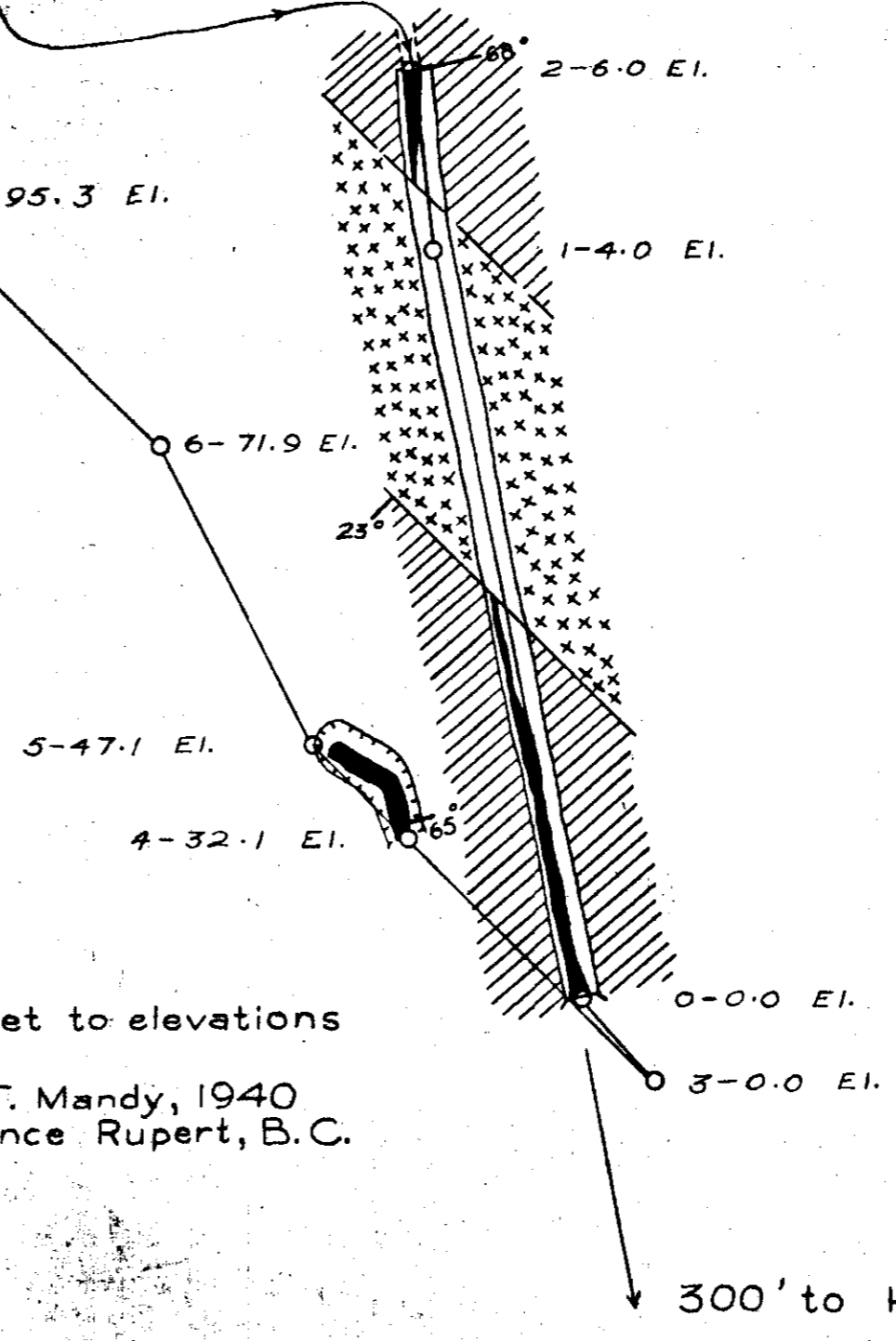
Description	Width	O ₃ Au.	O ₃ Ag.	% Cu	% Pb.	% Zn.	% Silica
Chip sample across vein	23 in.	0.56	1.5	Tr.			82.4
Sample of gouge	7 in.	0.02	Tr.				
Sample of quartz & pyrite	16 in.	1.60	3.2	Tr.	Tr.	Nil	72.4
Selected sample of pyrite		4.50	8.1	Tr.	Nil	Nil	15.0

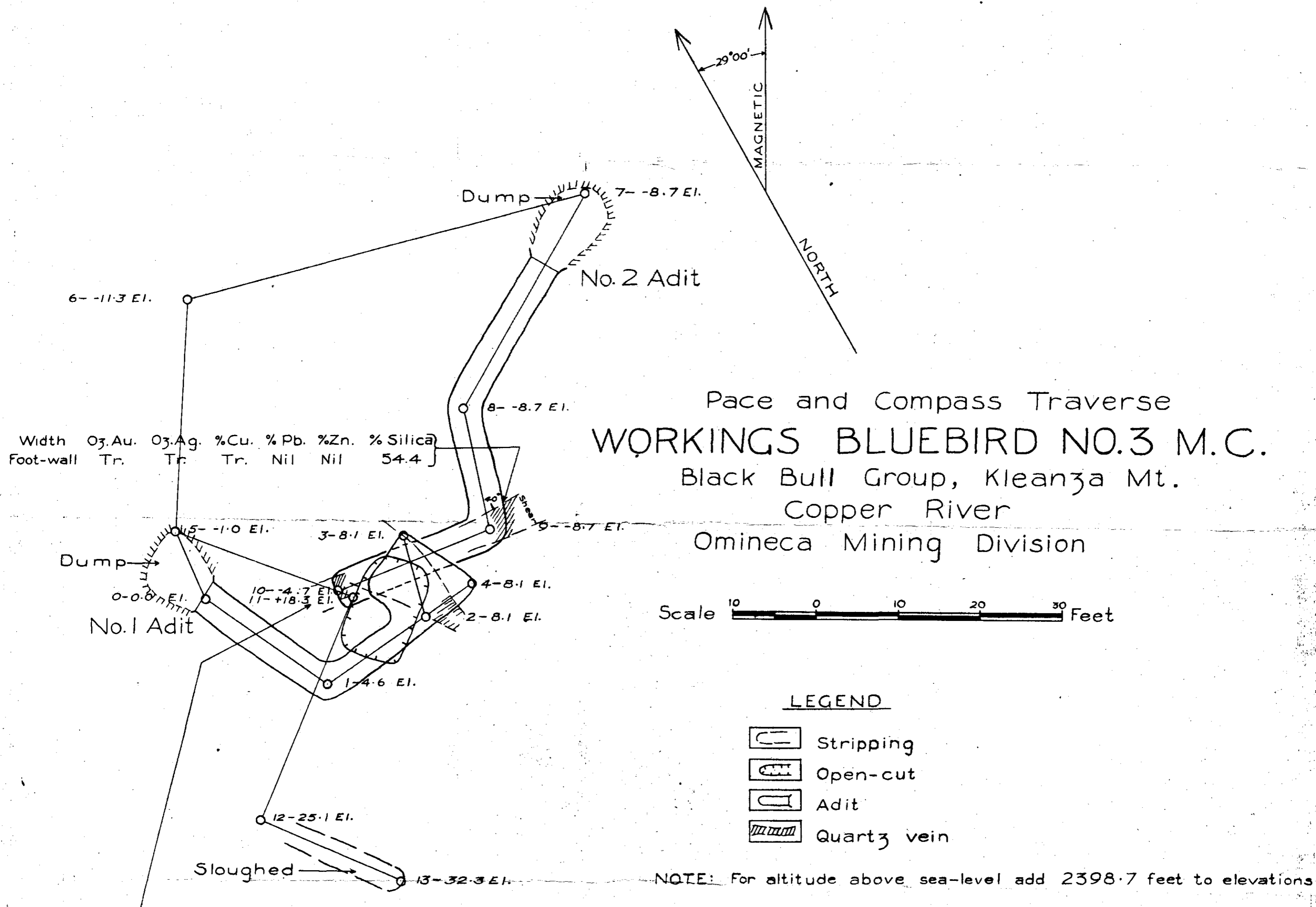
Pace and Compass Traverse
WORKINGS GEM NO. 1 M.C.
 Black Bull Group, Kleanza Mt.
 Copper River
 Omineca Mining Division



NOTE: For altitude above sea-level add 2250 feet to elevations

by Joseph T. Mandy, 1940
 Mining Engineer, Prince Rupert, B.C.

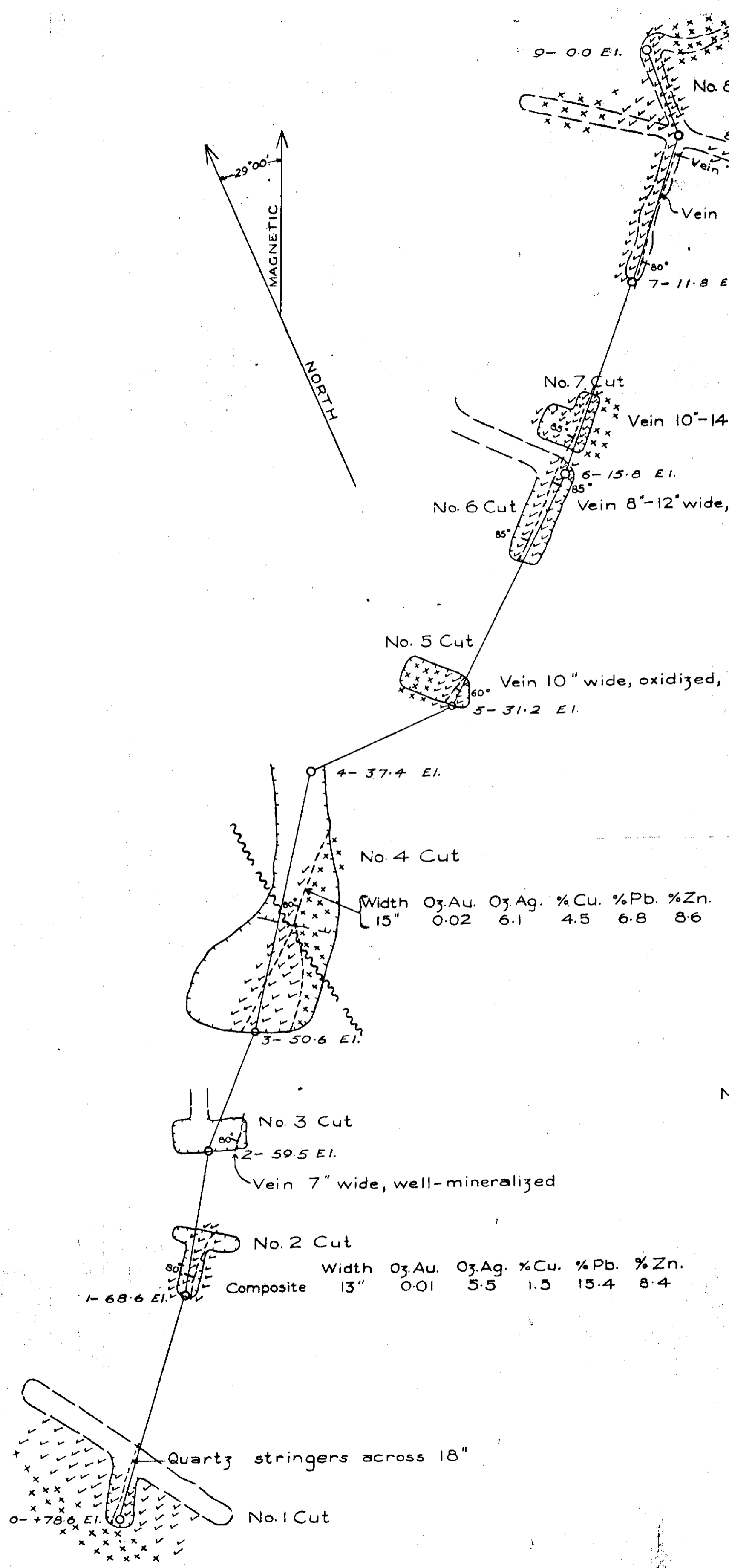




Width	Oz. Au.	Oz. Ag.	% Cu.	% Pb.	% Zn.	% Silica
Foot-wall	Tr.	Tr.	Tr.	Nil	Nil	54.4

Selected sulphides from	Oz. Au.	Oz. Ag.	% Cu.	% Pb.	% Zn.	% Silica
open-cut dump at 011	Tr.	4.5	1.9	26.1	18.1	29.8

by Joseph T. Mandy, 1940
 Mining Engineer, Prince Rupert, B.C.



9- 0.0 El.
 No 8 Cut
 8- 4.5 El.
 Vein pinched
 Vein 10"-12" wide, well-mineralized with pyrite, galena, sphalerite, chalcopyrite.
 80°
 7- 11.8 El.

No. 7 Cut
 Vein 10"-14" wide, well-mineralized
 6- 15.8 El.
 No. 6 Cut
 Vein 8"-12" wide, oxidized, fair to well-mineralized
 85°
 85°

No. 5 Cut
 Vein 10" wide, oxidized, well-mineralized
 60°
 5- 31.2 El.

No. 4 Cut
 4- 37.4 El.

Width	O ₃ .Au.	O ₃ .Ag.	%Cu.	%Pb.	%Zn.
15"	0.02	6.1	4.5	6.8	8.6

 3- 50.6 El.

No. 3 Cut
 2- 59.5 El.
 Vein 7" wide, well-mineralized
 80°

No. 2 Cut

Width	O ₃ .Au.	O ₃ .Ag.	%Cu.	%Pb.	%Zn.
Composite 13"	0.01	5.5	1.5	15.4	8.4

 1- 68.6 El.

Quartz stringers across 18"
 No. 1 Cut
 0- 78.6 El.

Pace and Compass Traverse
 No. 7 VEIN
 WORKINGS POE'S M. C.
 Grotto Group
 Hardscrabble Creek, Usk, B.C.
 Skeena Mining Division



NOTE: For altitude above sea-level add 1400 feet to elevations.

LEGEND

- Porphyritic granodiorite (Upper Jurassic)
- Altered andesitic volcanics (Triassic - Middle Jurassic)
- Quartz vein
- Fault
- Strike & Dip
- Stripping
- Open-cut

With report by Joseph T. Mandy, 1940
 Mining Engineer, Prince Rupert, B.C.