

SAULT TWP., KOOCHICHI & COUNTY,
MINNESOTA

D. D. HOLE No. S-43-1

Loc. 0+00 Dip collar: -42° Bearing collar: Grid S.E. Length: 498'
2+50W Collar el. : _____
 Bottom el. : _____

Drilled by Longyear Core size: AXT Begun: NOV. 1st Ended: NOV. 8/67 Logged by: V.N. Kelly

Samples	Footage drilled				Geology
	From	To	Len.	Rec. %	
	0	7	7	0	OVERBURDEN, clay and granite boulders
	7	25	18	100	Quartzite or acidic tuff with granular texture. Light grey colour, fine grained, uniform, massive.
	25	91	66		Quartzite of possibly acidic tuff, alternating with 1' to 2' bands of coarse rhyolite tuff.
	91	145	54		Andesite tuff, chloritized and recrystallized. Minor (5%) disseminated Po. Py.
	145	164	19		White quartzite, massive, almost pure silica. Irregular dioritic zone 145'-148'. 10% blebs Po. Py.
	164	195	31		Andesitic and dacitic tuff. Well laminated at 70° to core axis. Occasional 2-4" sections of 40% Po in coarse tuff.
	195	200	5		Andesitic tuff with spotted appearance.
	200	219	19		Gabbro, fine grained, 5% Po, 1% Py. 0.1%CPy.
	219	300.5	81.5		Gabbro. Fairly fine grained. Minor dioritic sections. Minor quartz veinlets. < 1% Po. Py.
	300.5	310	9.5		Quartzitic sediments. Light grey colour. 40% Po.
	310	320	10		Metasediments. Light grey colour with 10% Po.
	320	378	58		Metasediments. Unbedded. < 20% Po. Py.
	378	431	53		Andesite-dacite. Fairly massive. 2-3% Po. Trace of chalcopyrite.
	431	432	1		Rhyolite.

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