

		DEPTH	COL. SEC.	LITHOLOGIC DESCRIPTION	STRUCTURE	PHYSICAL PROPERTIES	METALLURGY
BIWABIK IRON FORMATION		VIRGINIA FORMATION					
		344.6					
		(70.9)		Tac., sly., sideritic, gry-grn., irreg. lam.; intbd. irreg. lenses & frags. of wte. crypto-xine. cht., & tn.-md. bds. of lam. to mass. blk. arg. with cht. clasts.	FRACTURED	(PROPERTIES NOT DETERMINED)	
		1415.5		Arg., blk., & tn., irreg-shp. lam. of grn. waxy-sh.; intbd. md. bds. of crypto-xine. cht.	BRECCIA ZONE	SLIGHTLY DECOMPOSED (PROPERTIES NOT DETERMINED)	
		1420.0		Tac., sly., sideritic; as above.			
		1425.0		Breccia zone; intbd. arg. & sly. fac.			
		1430.0		Cht., grn., waxy.			
		1443.0		Arg., blk., carb., tn. bd.; intbd. irreg. bds. of cht. & chy-siderite.	SHEARED		
		1447.0					
		1460.0					
		(83.0)		Arg., etc., as above; intbd. grn. waxy sh.			
		1543.0		Tac., sly., lam. to tn., reg-shp. bds. of blk., brn., & grn. sil.; intbd. irreg-shp. bds. of crypto-xine. cht. & irreg-shp. bds. of lam. hema.	FRACTURED & BROKEN	HIGHLY DECOMPOSED (PROPERTIES NOT DETERMINED)	STRONGLY OXIDIZED
		1549.2		Tac., chy., tk., irreg-shp. bds. of wte. to grn-gry. crypto-xine. cht. with abd. grn. sil. in veinlets & lam.; intbd. tn., reg-shp. bds. of lam. brn. & grn. sil., & reg-shp. bds. of blk., carb. arg. (?).			
		(43.8)		Tac., sly., tn., reg-shp., bds. of lam. hema.; intbd. chy. fac. with carbonate gran.			
		1593.0		Tac., chy., blk. crypto-xine. cht. & diss. hema.; intbd. tn., reg-shp. bds. of lam. hema. & cht.			
		1601.9		Tac., chy., blk. crypto-xine. cht., diss. carbonate, & carbonate mot. & pat.; intbd. bds. of lam. hema. & cht.			
		1611.1		Tac., sly., reg-shp. bds. of lam. hema. & cht.; intbd. tn. bds. of lam. grn. & blk. sil., & tn., irreg-shp. bds. of chy. fac. (cht. gran.).			
		(40.7)		Tac., chy., wte. (diss. carbonate, carbonate gran.); intbd. tn., reg-shp. to irreg-dif. bds. of goe.	LOCALLY FRACTURED	(PROPERTIES NOT DETERMINED)	SLIGHTLY OXIDIZED
		1651.8		Tac., chy., diss. sil., goe., & pyr., cgl. with goe-hema. clasts; intbd. irreg-shp. to dif. bds. of goe.			
		(20.2)					
		1672.0		Tac., chy., dis. goe. gran.; intbd. tn., reg-shp. bds. of goe., & tn., reg-shp. bds. of chy. fac. with diss. sil., & sil. gran.			
		(13.0)					
		1685.0					
L. S.	(110.0)		Tac., chy., goe. (sil.) gran.; intbd. tn. to tk., reg-shp. to irreg-dif. bds. of goe. (pyr.).	LOCALLY FRACTURED	(PROPERTIES NOT DETERMINED)	SLIGHTLY OXIDIZED	
	1795.0						
	1805.0		Tac., chy., dis. goe., goe. gran., mot., & pat. (diss. mag.); intbd. reg-shp. to irreg-shp. bds. of lam. hema. (tn., reg-shp. bds. of goe., & tn., irreg-dif. bds. of dis. mag.).				
	(151.2)						
	1956.2						
	(48.8)		Tac., jsp., jsp. gran. (mag. gran.), lge., irreg-dif. pat., & mot. of mag.; intbd. tk. bds. of lam. hema.				
	2005.0						
	22.0		Tac., jsp., cgl. with jsp., & algal frags., jsp. gran. (mag. gran.); intbd. tk., reg-dif. bds. of lam. hema., & tn., irreg-shp. bds. of cgl. crypto-xine. cht. with jsp. clasts.				
	2027.0						
	2035.0						
			POKEGAMA QUARTZITE				

FIGURE 11. Detailed Log of Drill Hole at Location 8—Mesabi Deep Drilling Project.