

**Supplementary File 1. Sample Locations****Drill Holes of Ucore Rare Metals**

Sample	Drill Hole	Depth (meters)	Easting	Northing	Azimuth	Dip
LM-90	LM-08-22	36	683516.8	6089972.5	212	62
LM-92	LM-08-18	18.5	683550.5	6088952.4	212	75
LM-113	LM-08-34	44	683563.6	6089004.6	212	65

**Drill Holes of Standard Metals Corporation**

Sample	Drill Hole	Depth (feet)
752	KS-121	92
757	KS-121	141.5
758	KS-121	202
772	KS-53	23
774	KS-53	43
776	KS-53	51
777	KS-53	63
778	KS-53	78.9
779	KS-53	88.9
780	KS-53	110.8
781	KS-53	119
782	KS-53	126
783	KS-53	180
795	KS-90	619
797	KS-90	669
800	KS-50	52
801	KS-50	89.4
803	KS-50	262.2
804	KS-50	286
805	KS-50	314.5
806	KS-50	344.8
807	KS-50	175
808	KS-50	181
809	KS-50	185.5
810	KS-50	189
811	KS-50	192
812	KS-50	223
815	KS-44	18
816	KS-44	47.3
824	KS-44A	60
828	KS-48	110

Drill holes KS-44, KS-44A, KS-45, KS-50, KS-53, KS-90 and KS-121 were drilled by Standard Metals Corporation in 1963-1964 in the vicinity of the Ross-Adams deposit (Fig. 1); the locations of the drill holes were reported by Thompson (1988) and Thompson et al. (1980); they were located within 200 m from the Ross Adams open pit.