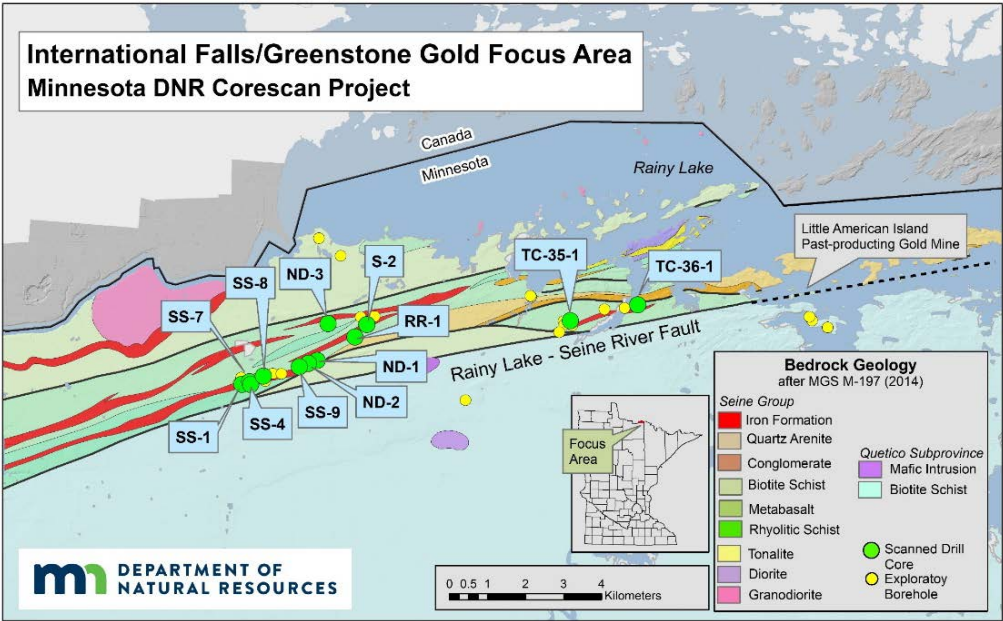


# International Falls/Greenstone Gold Focus Area

Twelve archived drill cores from the International Falls/Greenstone Gold Focus Area were selected for hyperspectral imaging in the DNR Corescan Project. A combined total of 6,881 feet (2,097 meters) of drill core was scanned in this Focus Area.

The International Falls Area has a 130-year history of gold exploration, is home to Minnesota’s only past-producing gold mine (Little American Island Mine), and is located 50km from an operating mine in Northwestern Ontario (Rainy River Mine).



## Focus Area Goals

- Follow-up on Minnesota Geological Survey mapping and previous DNR research on archived core that suggested new gold mineralization models should be considered for this under-explored Archean Superior Province (Wabigoon Subprovince) greenstone terrane.
- Unravel and characterize complex alteration fluid histories and the relative importance of multiple gold mineral and geochemical associations that are sometimes found within the same exploratory drill core.
- Characterize the ability of hyperspectral core imaging to distinguish small stubby black crystals of tourmaline from small stubby black crystals of amphibole, and evaluate the relative significance of gold association with tourmaline.

DDH	DNR_ID	Core Start	Core End	Scan Start	Scan End	Total Feet	Total Meters
TC35-1	14716	80	462	80	462	382	116
TC36-1	14714	3	403	3	403	400	122
RR-1	12177	6	1602	6	1602	1596	486
ND-1	16262	18	603	18	603	585	178
ND-2	16263	29	645	29	653	624	190
ND-3	16264	29	409	19	409	390	119
S-2	16266	4	452	4	452	448	137
SS-1	14427	11	588	11	588	577	176
SS-4	14431	39	412	39	412	373	114
SS-7	14434	34	722	34	722	688	210
SS-8	14435	31	502	31	502	471	144
SS-9	14436	53	400	53	400	347	106
Total						6881	2097

For more information, visit: [DNR Corescan Project Home Page](https://mndnr.gov/corescan) (mndnr.gov/corescan)