

## PROJECT: Richter Peace - Reed Lake Grid

823489

SAMPLE	LINE	DIR	EAST	NORTH	ROCK	ALT1	ALT2	ALT3	MIN1	MIN2	MIN3	VEIN	FOL	BED	REMARKS
IMRRLOO1	448040	N	306540	448060	Calc. Phyl.				Dmt5	DpyT			143/25		
IMRRLOO2	448040	N	307330	448030	NPS	2.6									Contact w. phyllite
IMRRLOO3	448240	N	306700	448200	Sil. Phyl.				DpyT						int. with calc. phyll weak fol.
IMRRLOO4	448240	N	307200	448220	NPS	4.0									
IMRRLOO5	448440	N	306280	448410	HBPO	4.0									Trace mal. or other green mineral
IMRRLOO6	448440	N	307260	448420	NPS	2.6			DpyT						
IMRRLOO7	448440	N	306250	448440	HBPO	2.6			DpyT						hornblende lineation
IMRRLOO8	448440	N	306220	448480	Phyll.										mariposite; qz-carb alth.
IMRRLOO9	448840	N	307040	448820	Phyll.				Dmt10						Strongly magnetic
IMRRLO10	449440	N	306440	449460	Seds?	4.0							074/35		
IMRRLO11	449440	N	307560	449480	Qzte										muscovite cse-gr., recrystallized
IMRRLO12	449240	N	307460	449270	Sil. phyll.								091/21		50% silica 50% biot. laminae

# ROCK SAMPLE DESCRIPTION

GRID NAME:

Richter Rocce

LINE:

448040 N

SAMPLE NUMBER:

1MRR001

NORTH:

448060

EAST:

306540

ROCK TYPE:

Calcareous phyllite

DESCRIPTION:

Strongly calcareous chloritic phyllite, medium green colour.  
Foliation well developed, 143/25.

ALTERNATION ASSEMBLAGES:

MINERALIZATION:

5% disseminated, euhedral magnetite  
crystals throughout. Trace pyrite.

COMMENTS/OBSERVATIONS:

# ROCK SAMPLE DESCRIPTION

GRID NAME:

Richter Recce

LINE:

448040

NORTH:

448030

EAST:

307330

SAMPLE NUMBER:

11MRR1002

ROCK TYPE:

Nelson Plutonic Suite

DESCRIPTION:

Medium to coarse-grained, green-grey intrusive rock. Diorite?

ALTERATION ASSEMBLAGES:

Matrix carbonatized. Chloritized.

MINERALIZATION:

COMMENTS/OBSERVATIONS:

Contact with calcareous phyllite; NPS occurs beneath phyllite.

# ROCK SAMPLE DESCRIPTION

GRID NAME:

Richter Recce

LINE:

448240 N

SAMPLE NUMBER:

1MRR1003

NORTH:

448200

EAST:

306700

ROCK TYPE:

Phyllitic quartz / siliceous phyllite

DESCRIPTION:

Grey to black, fine grained rock composed of lenticular siliceous layers, with enveloping phyllitic layers of fine-grained, green to black biotite and chlorite. Intrafolial folds and possible crenulation cleavage.

ALTERNATION AXES/LACER:

MINERALIZATION:

Trace pyrite.

COMMENTS/OBSERVATIONS:

Interbedded with predominantly calcareous phyllites. Near ORR005.

# ROCK SAMPLE DESCRIPTION

GRID NAME: Richter Recce

LINE: 448240 N

SAMPLE NUMBER: 1MRR004

NORTH: 448220

EAST: 307200

ROCK TYPE: Nelson Plutonic Suite

DESCRIPTION: Coarse-grained, medium-gray intrusive rock. Mildly foliated; mafics occur as fine, vaguely linearly aligned streaks in places. Qz and feldspar porphyritic; 1-6mm qz - eyes ~15%. Granodiorite?

ALTERATION AND WEATHERING: Carbonate-altered.

MINERALIZATION:

COMMENTS/OBSERVATIONS:

# ROCK SAMPLE DESCRIPTION

GRID NAME:

Richter Recce

LINE:

448440 N

NORTH:

448410

EAST:

366280

SAMPLE NUMBER:

1MRR1065

ROCK TYPE:

Hornblende porphyry

DESCRIPTION:

Hornblende-porphyrific rock occurring adjacent to strongly calcareous phyllite. Dark green to black hornblende crystals to 1cm in length occur in a pale green-white matrix of calcite and silica. Calcite veinlets to 1cm wide, with fine-grained pale green alteration envelopes. Possibly of contact metamorphic origin; occurs near Nelson Plutonids.

ALTERATION ASSEMBLAGES:

MINERALIZATION:

Trace malachite.

COMMENTS/OBSERVATIONS:

# ROCK SAMPLE DESCRIPTION

GRID NAME:

Richter Recce

LINE:

448440

SAMPLE NUMBER:

11MRR006

NORTH:

1448420

EAST:

1307260

ROCK TYPE:

Nelson Plutonic Suite

DESCRIPTION:

Very fine-grained, green-grey intrusive rock. Few 2-3mm  
qz eyes in areas.

ALTERATION ASSEMBLAGES:

Weak carbonate alteration; chloritization of  
mafics.

MINERALIZATION:

Trace pyrite.

COMMENTS/OBSERVATIONS:

# ROCK SAMPLE DESCRIPTION

GRID NAME: Richter Recce

LINE: 448440N

SAMPLE NUMBER: 1MRR1007

NORTH: 448440

EAST: 306250

ROCK TYPE: Hornblende porphyry

DESCRIPTION: Hornblende porphyritic rock, as 1MRR1005, but hornblende crystals less well-developed. Definite linear alignment apparent with hornblende. Matrix more green, chloritic than 1MRR1005, with a streaky / foliated appearance. Strongly calcareous.

ALTERATION ASSEMBLAGE:

MINERALIZATION:

COMMENTS/OBSERVATIONS:



# ROCK SAMPLE DESCRIPTION

GRID NAME: Richter Recce

LINE: 448440N

SAMPLE NUMBER: 1mRR1008

NORTH: 448480

EAST: 306220

ROCK TYPE: Quartz-carb alteration

DESCRIPTION: Phyllitic rock with strong qz-carbonate alteration. Rusty on weathered surface; matrix on cut surface appears mainly apple-green due to malachite. Quartz-carbonate veinlets to 1cm in width.

ALTERATION ASSEMBLAGE:

MINERALIZATION: Trace disseminated pyrite.

COMMENTS/OBSERVATIONS:

# ROCK SAMPLE DESCRIPTION

GRID NAME: Richter Recce

LINE: 448840N

SAMPLE NUMBER: 1MRR L009

NORTH: 448820

EAST: 307040

ROCK TYPE: Phyllite

DESCRIPTION: Fine-grained, dark green-black phyllite. Non-

calcareous. Strongly magnetic.

ALTERNATION ARRANGEMENT:

MINERALIZATION: 10% very fine, disseminated magnetite.

COMMENTS/OBSERVATIONS:

# ROCK SAMPLE DESCRIPTION

GRID NAME:

Richter Kece

Easting:

449440

North:

449460

East:

306440

SAMPLE NUMBER:

1MRRLO10

ROCK TYPE:

DESCRIPTION:

Compositionally layered rock; parallel bands 1mm → 1cm in width. Looks sedimentary in origin; banding looks to be partly original bedding. Muscovite, chlorite along foliated surfaces. Rusty. Cleavage 091/75; foliation 074/35.

ALTERNATIVE ASSESSMENTS:

Carbonate along fractures.

MINERALIZATION:

COMMENTS/OBSERVATIONS:

# ROCK SAMPLE DESCRIPTION

GRID NAME: Richter Recce

LINE: 449440N

SAMPLE NUMBER: 1MRR1011

NORTH: 449480

EAST: 307560

ROCK TYPE: Quartzite

DESCRIPTION: Coarse-grained, recrystallized quartzite. Colour varies from clear - white - red - yellow. Granular, with some phyllitic folia. Muscovite flakes in places.

ALTERATION AND GLACIER

MINERALIZATION

COMMENTS/OBSERVATIONS

# ROCK SAMPLE DESCRIPTION

GRID NAME:

Richter Recce

LINE:

449240N

NORTH:

449270

EAST:

307600

SAMPLE NUMBER:

1MRRLO12

ROCK TYPE:

Siliceous phyllite

DESCRIPTION:

Siliceous phyllite or foliated quartzite; 450% clear, recrystallized silica and 50% black laminae composed of biotite with minor sericite. Rusty. Foliation 091/21.

ALTERATION ASPECTS:

MINERALIZATION:

COMMENTS/OBSERVATIONS: