

### Legend

**Intrusive Rocks**

**Lower to Upper Jurassic**

- LDX1 Diorite
- LDX2 Apatite dikes
- LDX3 Medium-grained equigranular aegirite-plagioclase diorite and gabbro

**Upper Devonian and Mississippian**

- BMGR More Creek Plutonic Suite - equigranular to quartz-perphyritic granite
- DMAR Hypabyssal andesite to diorite
- DMRY1 Apatite dikes
- EDX1 Formed Kerr Plutonic Suite - Heterogeneous, medium-grained hornblende diorite, quartz diorite, mostly equigranular, gabbro in places
- EDX2 Formed Kerr Plutonic Suite - Medium to coarse grained, with biotite granite, monzonite and tonalite

**Layered Rocks**

**Lower to Upper Jurassic**

**Haslam Group**

- JSE Undifferentiated sediments
- MUSE1 Calcareous sandstones and siltstones with cherts, variably fossiliferous
- MUSE2 Andesite tuff, heterolithic lapilli tuff
- MUSE3 Andesite flow, typically massive, variably amygdaloidal and pillowed
- MUSE4 Mudstones, siltstones and sandstones
- MRY1 Rhyolite tuff, monolithic, ash to lapilli
- MRY2 Rhyolite flow, aphanitic, variably flow banded
- LD11 Diatite tuffs, heterolithic, ash to lapilli
- LD12 Diatite flow
- LD13 Diatite porphyry, quartz and kelpar
- LPO1 Diatite porphyry, two kelpar
- LPO2 Diatite porphyry, kelpar +/- quartz and biotite
- USA1 Interbedded clastic sediments
- US Black chert, siltstones and sandstones
- UM Diatite andesitic tuff, crystal tuffs

**Upper Triassic**

**Stuart Group**

- UTR1/UTR2 Basalt and andesite with mixed sediments
- UTR3 Thick bedded andesite tuffs with siltstone and sandstone
- UTR4 Argillite with fine grained siltstone and sandstone
- UTR5 Undifferentiated sediments

**Upper Devonian and Mississippian**

**Stuart Assemblage**

- DMRY1 Rhyolite flow, typically massive
- DMGR Argillite, banded green and maroon sediments
- DMC Carbonates
- DMGN Mudstones, massive to poorly laminated, variably quartz bedded
- DMF Chertite schist, andesite flows and tuffs
- DMG Sediments, phyllites and schists
- DMG2 Pairs to dark green, well bedded siliceous diat and ash tuff, scoriaeous mafic tuff and minor pyritic felsic welded tuff
- PLU Undifferentiated Paleozoic metamorphosed sediment and volcanic rock

**Symbols**

- Glacier
- Lake
- River
- Contour Major (100m) and Minor (20m)
- Fault
- Mineral Claim Boundary

**Barrick Gold Corp**  
CAL SURVEY BRANCH

**REPORT**

**Map 4a**  
**RDN & MOR Properties**  
**Mor Area**  
**Rock Sample Locations**

Date: 5/2/2004  
 Author: R. Mann  
 Office: Vancouver  
 Drawing:  
 Scale: 1:25000    Projection: UTM Zone 9 (NAD 83)

0    500    1000  
metres

(M7)

**Legend**

**Intrusive Rocks**

**Lower to Upper Jurassic**

- mLDJ Diorite
- mLRD1d Aplitic dykes
- mLDJ Medium-grained megacrystic augite-plagioclase diorite and gabbro

**Upper Devonian and Mississippian**

- MGR More Creek Plutonic Suite - equigranular to quartz porphyritic granite
- DMA Hypabyssal andesite to diorite
- DMRT1d Aplitic dykes
- DDJ Forest Kerr Plutonic Suite - Heterogeneous, medium-grained hornblende diorite, quartz diorite, mostly megacrystic, gneiss in places
- DGR Forest Kerr Plutonic Suite - Medium to coarse grained, pink biotite granite, monzonite and tonalite

**Layered Rocks**

**Lower to Upper Jurassic**

- Hazleton Group**
- JSE Undifferentiated sediments
  - mJSEs Carbonaceous sandstones and siltstones with cherts, variably fossiliferous
  - mJSH Andesite tuff, heterolithic lapilli tuff
  - mJSHV Andesite flow, typically massive, variably amygdaloidal and pillowed
  - mJSEm Mudstones, siltstones and sandstones
  - mJRY1 Rhyolite tuff, monolithic, ash to lapilli
  - mJRY1 Rhyolite flow, aphanitic, variably flow banded
  - LDJ1 Diabase tuff, heterolithic, ash to lapilli
  - LDJ1 Diabase flow
  - LDJ1p Diabase porphyry, quartz and feldspar
  - LDJ1d Diabase porphyry, bio feldspar
  - LJO Diabase porphyry, feldspar +/- quartz and biotite
  - USAs Interbedded clastic sediments
  - US Black chert, siltstone and sandstone
  - UAs Distal andesite tuff, crystal tuff

**Upper Triassic**

- Suters Group**
- uTSE/ATSEs Basalt and andesite with mixed sediments
  - uTAN Thick bedded andesite tuffs with siltstone and sandstone
  - uT5a Argillite with fine grained siltstone and sandstone
  - uT5a Undifferentiated sediments

**Upper Devonian and Mississippian**


- Siliceous Assemblage**
- DMRT1 Rhyolite flow, typically massive
  - DM5a Argillite, banded green and maroon sediments
  - DM5c Carbonates
  - DM5m Mudstones, massive to poorly laminated, variably quartz flooded
  - DMV Chlorite schist, andesite flows and tuffs
  - DM5s Sediments, phyllites and schists
  - DM5SE Pale to dark green, well bedded siliceous dust and ash tuff, siliceous mafic tuff and minor pink felsic, welded tuff
  - P5u Undifferentiated Palaeozoic metamorphosed sediment and volcanic rock

**Symbols**

- Glacier
- Lake
- River
- Contour: Major (100m) and Minor (20m)
- Fault
- RDN # Mineral Claim Boundary

**RDN & MOR Rocks Au (ppb)**

	1,000 to 6,180 (3)
	50 to 1,000 (5)
	20 to 50 (4)
	0 to 20 (144)



**Barrick Gold Corp**

Date: 5/2/2004

Author: R. Mann

Office: Vancouver

Drawing:

Scale: 1:25000

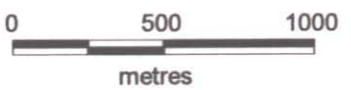
Projection: UTM Zone 9 (NAD 83)


**Map 4b**

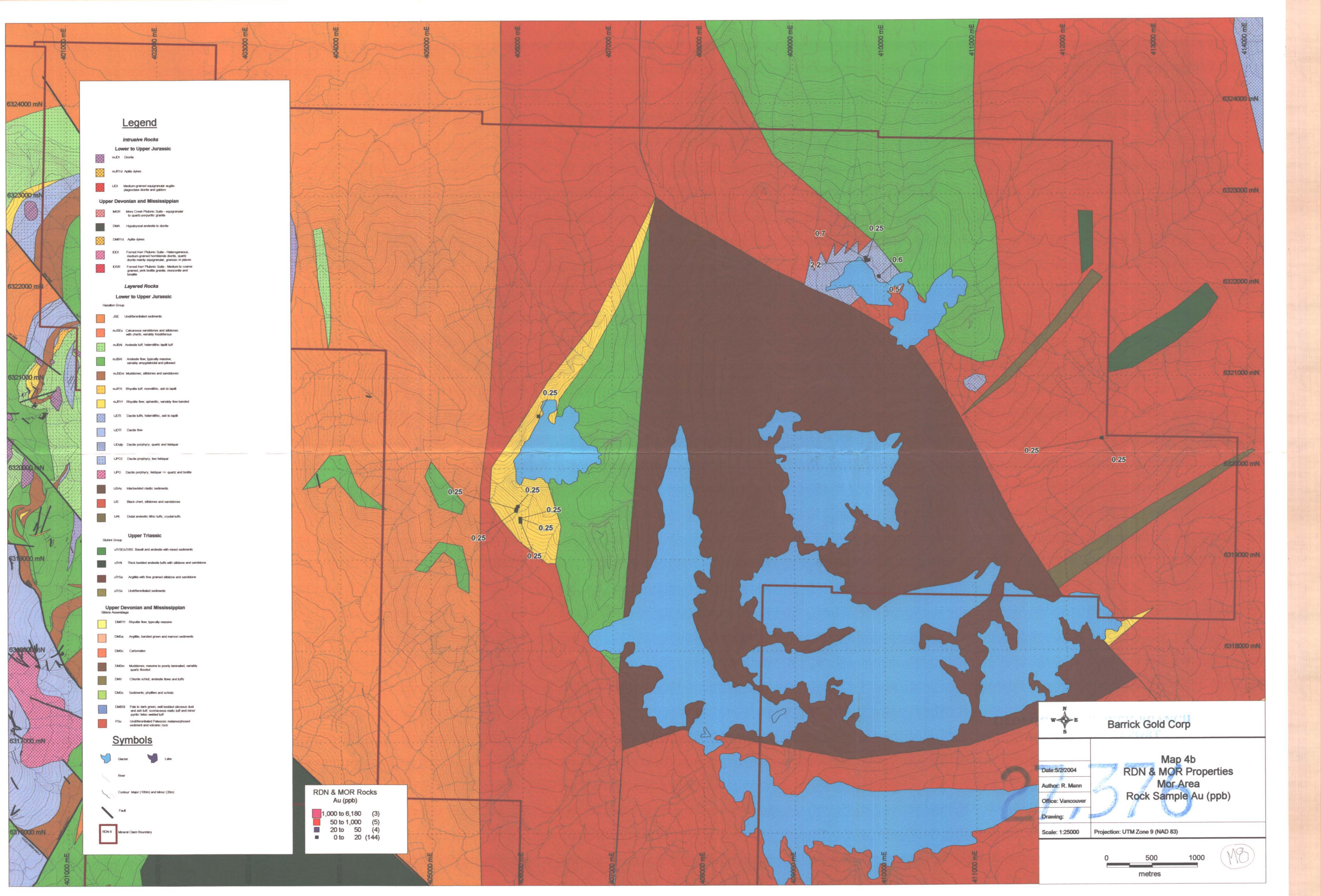
**RDN & MOR Properties**

**Mor Area**

**Rock Sample Au (ppb)**







### Legend

#### Intrusive Rocks

##### Lower to Upper Jurassic

- mUC1 Diorite
- mUR1d Apatite dykes
- LD1 Medium-grained equigranular augite-pyroxene diorite and gabbro

##### Upper Devonian and Mississippian

- MGR Moss Creek Plutonic Suite - equigranular to quartz-porphyritic granite
- DMA Hypabyssal andesite to diorite
- DME1d Apatite dykes
- EDD Formed Kerr Plutonic Suite - Heterogeneous, medium-grained hornblende diorite, quartz diorite mainly equigranular, granitic in places
- EDR Formed Kerr Plutonic Suite - Medium to coarse grained, pink biotite granite, monzonite and tonalite

#### Layered Rocks

##### Lower to Upper Jurassic

- Headton Group
- JSE Undifferentiated sediments
  - mJSE Carbonaceous sandstones and siltstones with chert, variably fossiliferous
  - mBA1 Andesite tuff, heterolithic lapilli tuff
  - mBA2 Andesite flow, typically massive, variably amygdaloidal and yellowed
  - mJSEm Mudstones, siltstones and sandstones
  - mRY1 Rhyolite tuff, monolithic, ash to lapilli
  - mRY2 Rhyolite flow, aphanitic, variably flow banded
  - LD11 Dacite tuffs, heterolithic, ash to lapilli
  - LD11 Dacite flow
  - LD1b Dacite porphyry, quartz and biotite
  - LD1c Dacite porphyry, bio biotite
  - LPO Dacite porphyry, biotite +/- quartz and biotite
  - US1a Interbedded clastic sediments
  - US Black chert, siltstones and sandstones
  - UN Diatom andesite flow tuffs, crystal tuffs

##### Upper Triassic

- Stuart Group
- uTSEAT1BS Basalt and andesite with mixed sediments
  - uTAK Thick bedded andesite tuffs with siltstone and sandstone
  - uTGA Argillite with fine grained siltstone and sandstone
  - uTGS Undifferentiated sediments

##### Upper Devonian and Mississippian

- Oliver Formation
- DME1T Rhyolite flow, typically massive
  - DMEa Argillite, banded green and maroon sediments
  - DMEc Carbonates
  - DMEm Mudstones, massive to poorly laminated, variably quartz floored
  - DMEv Chlorite schist, andesite flows and tuffs
  - DMEs Sediments, phyllites and schists
  - DMESS Pale to dark green, well bedded siliceous dust and ash tuff, calcareous mafic tuff and minor pyritic black welded tuff
  - PSU Undifferentiated Paleozoic metamorphosed sediment and volcanic rock

### Symbols

- Clear
- Lake
- River
- Contour: Major (100m) and Minor (20m)
- Fault
- MOR Claim Boundary

#### RDN & MOR Rocks

- Ag (ppm)
- 100 to 363 (2)
  - 20 to 100 (3)
  - 2 to 20 (15)
  - 0 to 2 (136)

**Barrick Gold Corp**

Geological Survey Branch

Map 4c

RDN & MOR Properties

MOR Area

Rock Samples Ag (ppm)

Date: 5/2/2004

Author: R. Mann

Office: Vancouver

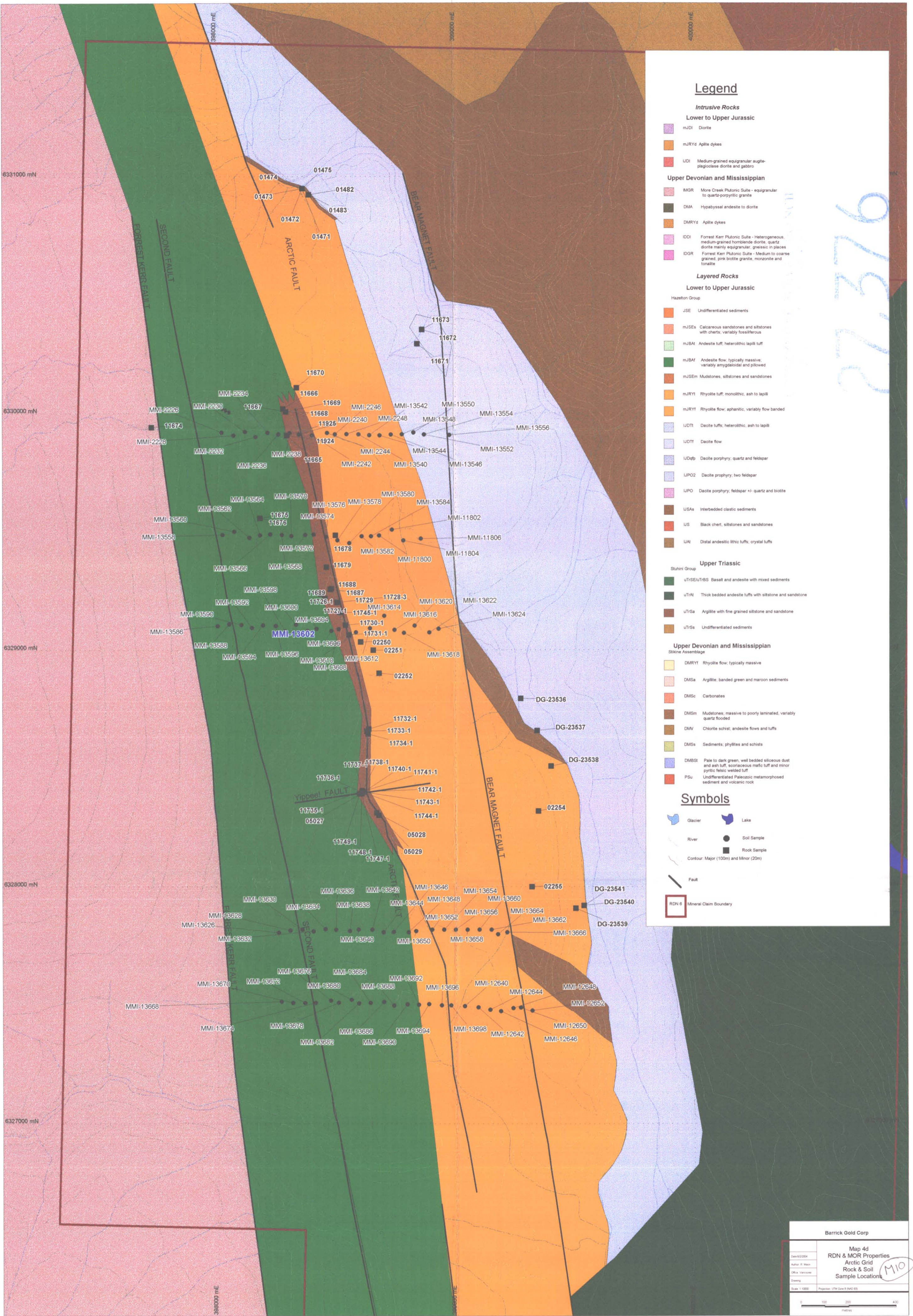
Drawing:

Scale: 1:25000

Projection: UTM Zone 9 (NAD 83)

0 500 1000 metres

M9



27376