OM (Manganese) Ltd

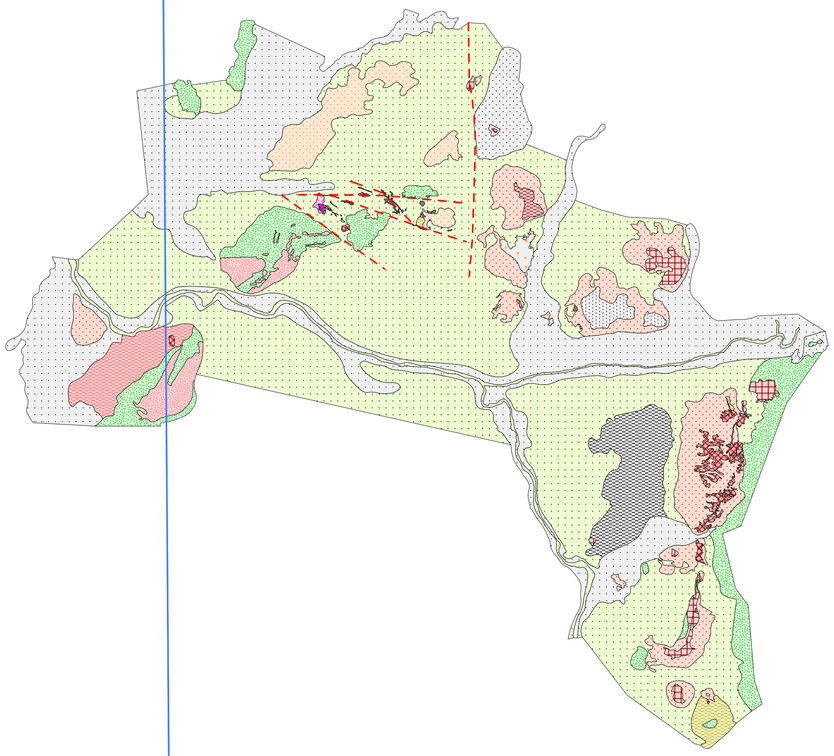
Plate 3.
1:4,000 Geology

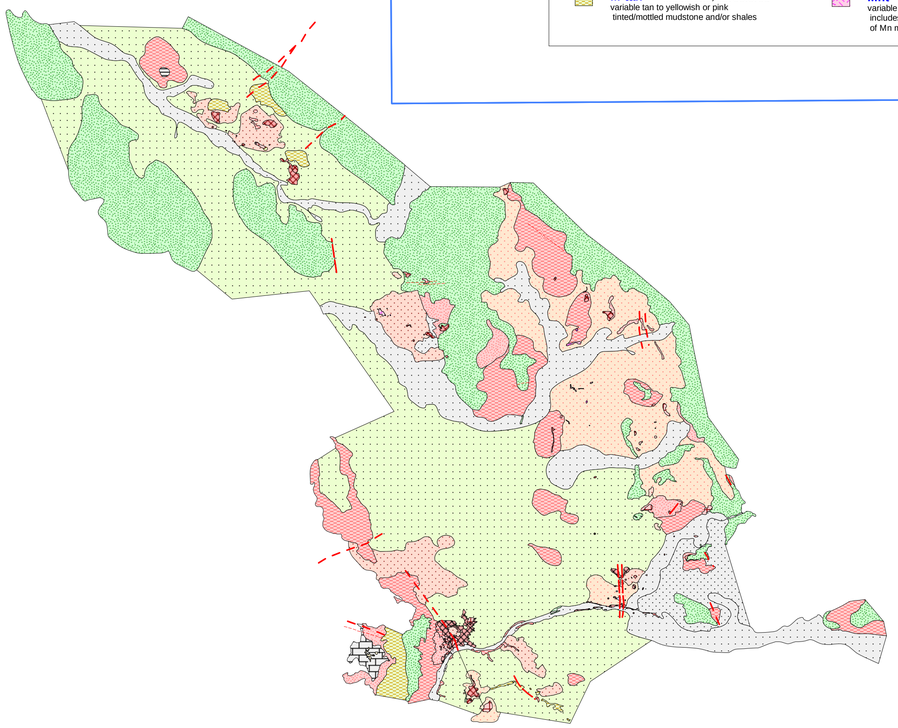
Date: 1/4/2010
Author:
Office:
Drawing: 10-0013
Scale: 1:12000
Projection: MGA Zone 53 (GDA 94)

0 200 400 800
metres

N

362,000 mE
363,000 mE
364,000 mE
365,000 mE
366,000 mE
367,000 mE
368,000 mE
369,000 mE
370,000 mE
371,000 mE
7,968,000 mN
7,967,000 mN
7,966,000 mN
7,965,000 mN
7,964,000 mN
7,963,000 mN





EL23459

GEOLOGY

Qu-Aa active creek
sandy to gritty alluvium, pebble and cobble beds in active drainages

Qu-A alluvium
sandy to gritty alluvium, pebble and cobble beds associated with drainages

Qu-Aw alluvial wash
areas of broad sheet wash with minor drainages, soil, silty to sandy material, some pebbly lag

Qu-Ac colluvium
soil, pebbly to cobble scree adjacent to outcrops and topography

Qu-M mudstone colluvium
soil, pebbly to cobble mudstone scree & associated float and/or subcrop

Qu-Fe ferruginous colluvium
soil, pebbly to cobble ferruginous scree & associated float and/or subcrop

Qu-Mn Mn colluvium & stain
soil, pebbly to cobble Mn scree & float, associated stain

cal calcrete
calcrete, most commonly over dolostone units

lat laterite
ferruginous cap rocks

Cc Cretaceous
ferruginous sandstone beds

S Sandstone
Grey quartz sandstones, quartz cemented, flat bedded

S-red Sandstone, red colored
Red colored hematitic quartz sandstones, quartz cemented, flat bedded

M Mudstone
undifferentiated mudstone

M-red Mudstone, red colored
uniform red colored hematitic mudstone

M-red-g Mudstone, red colored, unit 1
uniform red colored hematitic mudstone, greyish photo tone

M-red-dk Mudstone, red colored, unit 2
uniform red colored hematitic mudstone, darker photo tone

M-tan Mudstone, tan colored
variable tan to yellowish or pink tinted/mottled mudstone and/or shales

M-Cy Mudstone, bleached
variable grey to white (bleached) to yellowish tinted/mottled mudstone and/or shales

M-Fe Mudstone, ferruginous
yellow to brownish limonitic stained mudstone

D-M Dolostone / Mudstone
variable grey to yellowish or pink tinted muddy dolomite beds

CT Chert
grey chert beds

Z-red Siltstone
variable yellowish or pink tinted muddy siltstone & fine sandstone beds

X-Si-Fe Brecciated Jasper Alteration
brecciated jasper altered mudstone, hematite veins & matrix replacement

M-Si-Fe Jasper Alteration
jasper altered mudstone, hematite veins & replacement

M-X-Fe Brecciated Mudstone
brecciated and fractured mudstone, jasper-hematite veins & replacement

Fe Ironstone +/- breccia
limonite-hematite +/- jasper and/or jasper breccia

D-Cy-Mn Clay Alteration + Mn
clay alteration with Mn overprint of dolomitic beds

D-Cy Clay Alteration
clay alteration with limonitic overprint of dolomitic beds

Cy clay
misc clay outcrops

X breccia, misc
misc brecciated, fractured and/or veined outcrops

q quartz
qtz blow or vein

Mn Manganese
Manganese ore

Mnd Disseminated Mn
disseminated Mn stringers, blebs or grains or low grade sub-ore

Mnt Stain +/- minor Mn
variable amounts Mn stain, includes misc subcrop or float of Mn material