GroundTruth Exploration
Black Hills - Geology

Prepared By: A. Wywrot
Datum: NAD 83 UTM Zone 7N
Scale: 1:60,000 Oct 30/18
NTS Sheet: 115O/02, 03, 06, 07, 10, 11

N

595000 600000 605000 610000 615000 620000

7050000 7045000 7040000 7035000 7030000 7025000 7020000 7015000 7010000 7005000

Legend

Black Hills Property

Bedrock Geology

LOWER TERTIARY, MOSTLY(?) EOCENE

ITR2: ROSS: rhyolite flows, tuff, ash-flow tuff and breccia

UPPER CRETACEOUS

uKC3: CARMACKS: acid vitric crystal tuff, lapilli tuff and welded tuff

LOWER CRETACEOUS

lKIR: INDIAN RIVER: clast-supported pebble to cobble conglomerate

EARLY JURASSIC

EJgL: LONG LAKE SUITE: massive to weakly foliated Bt-Hbl granodiorite

LATE TRIASSIC TO EARLY JURASSIC

LTrEJgM: MINTO SUITE: foliated Bt-Hbl granodiorite; Bt-rich screens and gneissic schlieren

LTrEJqM: MINTO SUITE: Bt, Bt-Ms and Bt-Hbl quartz monzonite to granite

LTrEJgbM: MINTO SUITE: Hbl gabbro

MIDDLE TO LATE PERMIAN

PgS: SULPHUR CREEK SUITE: granodiorite and quartz monzonite

MISSISSIPPIAN

MqSR: SIMPSON RANGE SUITE: foliated metagranite, quartz monzonite and granodiorite; augen granite

MgSR: SIMPSON RANGE SUITE: Hbl-bearing metagranodiorite, metadiorite and metatonalite

DEVONIAN, MISSISSIPPIAN AND(?) OLDER

DMF1: FINLAYSON: intermediate to mafic volcanic and volcaniclastic rocks

DMF6: FINLAYSON: ultramafic rocks, serpentinite; metagabbro

LATE DEVONIAN TO MISSISSIPPIAN

DMgG: GRASS LAKES SUITE: fine to medium-grained, foliated granodiorite, granite, quartz monzonite

NEOPROTEROZOIC AND PALEOZOIC

PDS1: SNOWCAP: quartzite, psammite, pelite and marble; minor greenstone and amphibolite

PDS2: SNOWCAP: light grey to buff weathering marble

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0 2.5 5 7.5 10
Kilometers