MINESITE

FAST CREEK

FUNERAL CREEK

PRAIRIE CREEK

SUNDOG CREEK

CAT CAMP

THIRD POLJE

SECOND POLJE

FIRST POLJE

MOSQUITO LAKE

RAVEN LAKE SINKHOLE

KARST VALLEY

RAM PLATEAU

BORROW (SAND AND GRAVEL)

BORROW (SAND)

BORROW (TILL)

VARIABLE ORGANICS OVER GLACIO-LACUSTRINE SOILS

BORROW (SHALE/SILTSTONE)

FOR DETAIL SEE FIG II-2

Current Route 8.6 km

Nahanni National Park Reserve Boundary

MORAINE OVER WEAK BEDROCK

SHALLOW BEDROCK

FLOW SLIDES (POSITION APPROXIMATE)

HISTORIC SLIDE SCARP?

SILENT HILLS

COLLUVIAL/ALLUVIAL FAN

BORROW (GRAVEL)

BORROW (SILTSTONE/SHALE)

RECENT FAILURE

DRAINAGE GAP

COLLUVIAL/ALLUVIAL APRON - TALUS, DEBRIS FLOWS, OVERLAPS MORAINE DEPOSITS -EVIDENCE OF GROUND ICE

VARIABLE THICKNESS ORGANICS OVER GROUND MORAINE - POORLY DRAINED, APPEARS ICE RICH

OUTWASH CHANNEL

BLUEFISH LAKE

Re-Routing to Nahanni Butte

Old Nahanni Lodging Road

VILLAGE OF NAHANNI BUTTE

South Nahanni River

Liard River

Liard Transfer Facility

Liard Highway

Current Route 55.2 km

61° 30' 00"

124° 00' 00"

123° 30' 00"

61° 00' 00"

123° 00' 00"

122° 30' 00"

LEGEND

- POTENTIAL BORROW SOURCE
- TERRACE EDGE
- ACCESS ROAD
- PROPOSED ALIGNMENT CHANGES
- FERRY CROSSING
- NNPR BOUNDARY
- WATERCOURSES
- ORGANIC TERRAIN - VARIABLE THICKNESS ORGANICS, OVERLYING FLUVIAL AND / OR GLACIO-LACUSTRINE SOIL.
- FLUVIAL SEDIMENTS (SAND) - PRIMARILY SAND, SILT, MINOR GRAVEL
- FLUVIAL SEDIMENTS (GRAVEL) - PRIMARILY COBBLES, GRAVEL, SAND, MINOR SILT
- COLLUVIAL/ALLUVIAL APRON - TALUS, DEBRIS FLOWS, ALLUVIAL FAN, ROTATIONAL FAILURES (HISTORICAL & CURRENT)
- GLACIO - FLUVIAL TERRACE - SILT, SAND, MINOR GRAVEL, LOCAL ERRATICS (SEE NOTE)
- GLACIAL GROUND MORAINE - WELL GRADED SILT, SAND, GRAVEL, MINOR COBBLES
- RAM PLATEAU - (SEE NOTE)
- KARST VALLEY - (SEE NOTE)
- BEDROCK - UNDIFFERENTIATED, INCLUDES THIN COLLUVIAL DEPOSITS

NOTE

GLACIO-FLUVIAL TERRACE — EDGE OF TERRACE COMMONLY INCLUDES LARGE HISTORIC LANDSLIDES.

KARST VALLEY — ZONE OF INTENSE KARST COLLAPSE FEATURES, INCLUDES HISTORIC AND RECENT SLOPE FAILURES AND COLLUVIAL ZONES ON BOTH VALLEY WALLS. SEE ALSO FIGURE II-2, REV. 2.

RAM PLATEAU — DISCONTINUOUS GLACIAL TILL / GLACIO-FLUVIAL SAND AND GRAVEL OVERLYING BEDROCK (COMMONLY 2m TO 15m THICK). BEDROCK CONSISTS OF REMNANTS OF HORN RIVER SHALE (GENERALLY LESS THAN 20 m THICK) OVERLYING NAHANNI LIMESTONE. INCLUDES CLOSED DEPRESSIONS CAUSED BY LOSS OF SEDIMENT INTO SOLUTION CAVITIES IN UNDERLYING NAHANNI LIMESTONE.

SCALE 2.5 0 2.5 KILOMETRES

PROJECT: CANADIAN ZINC CORPORATION
PRAIRIE CREEK MINE
NWT

TITLE: **PRAIRIE CREEK MINE ACCESS ROAD SURFICIAL GEOLOGICAL CONDITIONS (AUGUST 2010)**

Golder Associates Calgary, Alberta

PROJECT 09.1376.1006.4000			FILE No.09137610064000B003
DESIGN	DP	13/09/10	SCALE AS SHOWN REV. 0
CADD	KJM	14/09/10	
CHECK	BM	14/09/10	**FIGURE: II-4**
REVIEW	DP	14/09/10	