



Giant Mine Environmental Assessment

IR Response

Round One: Information Request - North Slave Métis Alliance #11

May 31, 2011

INFORMATION REQUEST RESPONSE

EA No: 0809-001

Information Request No: NSMA #11

Date Received

February 28, 2011

Linkage to Other IRs

Review Board IR #13

Date of this Response:

May 31, 2011

Request

Is the label the same scale as the map? It appears that there are a number of very small circles on the map, compared to the smallest circle on the legend. What magnitude is the largest and smallest earthquake shown on the map? Also, is there an earthquake marked in the vicinity of Yellowknife that is obscured by the text and red star? What magnitude? What would this map look like if it went back farther than 1980 (only 30 years).

Reference to DAR:

S.7.2.2.7, Figure 7.2.2

Reference to the EA Terms of Reference

S.3.2.3 (8), Description of the Existing Environment

Summary

Further explanation related to Figure 7.2.2 of the Developer's Assessment Report is provided. An updated figure showing additional earthquakes is provided.

Response

The label on Figure 7.2.2 is the same scale as the map.

The largest earthquake shown on Figure 7.2.2 is the 4.5 magnitude earthquake that occurred on November 28, 2001 at longitude 113.66 and latitude 64.96.





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Only earthquakes with an order of magnitude 2.0 or greater are shown on Figure 7.2.2.

There are no earthquakes obscured by the text and red star in the vicinity of Yellowknife on Figure 7.2.2.

NRCAN has recently made available a longer term data set as shown on the figure below. The data available shown on the figure dates back to 1966. On April 6, 1967 there was a 2.6 magnitude event 55 km SW of Yellowknife and on May 8, 1976 there was a 3.5 magnitude event 110 km SW of Yellowknife.





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