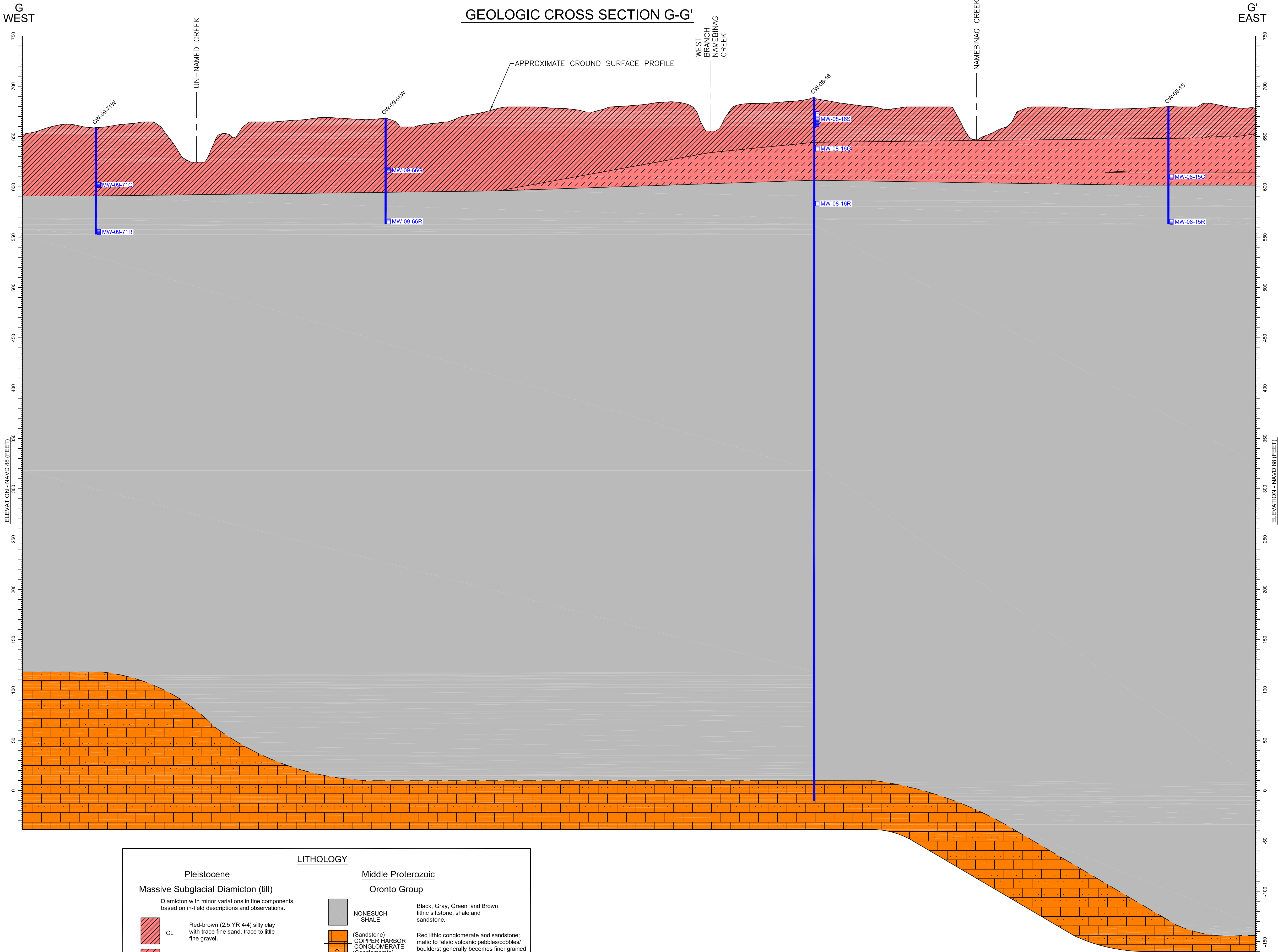




LITHOLOGY

Pleistocene

Massive Subglacial Diamicton (till)

Diamicton with minor variations in fine components, based on in-field descriptions and observations.

CL Red-brown (2.5 YR 4/4) silty clay with trace fine sand, trace to little fine gravel.

CL/ML Red-brown (2.5 YR 4/4) silty clay/clay silt with trace to little fine-coarse sand and trace to little fine-medium gravel.

ML Red-brown (2.5 YR 4/4) clayey to sandy silt with trace to little fine-coarse gravel and trace to fine-coarse sand.

ML/SM Red-brown (2.5 YR 4/4) silty fine sand to sandy silt with trace to little fine-medium gravel.

Subglacial Meltwater Deposits

SM Reddish-brown (2.5 YR 3.5/4) silty very fine sand with trace gravel and shale fragments

SP/SM Fine-coarse poorly to well sorted sand with gravel and little silt.

Middle Proterozoic

Oronto Group

NONESUCH SHALE Black, Gray, Green, and Brown lithic siltstone, shale and sandstone.

(Sandstone) COPPER HARBOR CONGLOMERATE (Conglomerate) Red lithic conglomerate and sandstone; mafic to felsic volcanic pebbles/cobbles/boulders; generally becomes finer grained upward.

LEGEND

Water Surface Elevation

Well Screen (Monitoring Well)

Soil Sample-Grain Size Analysis

CW-08-XX Boring Designation

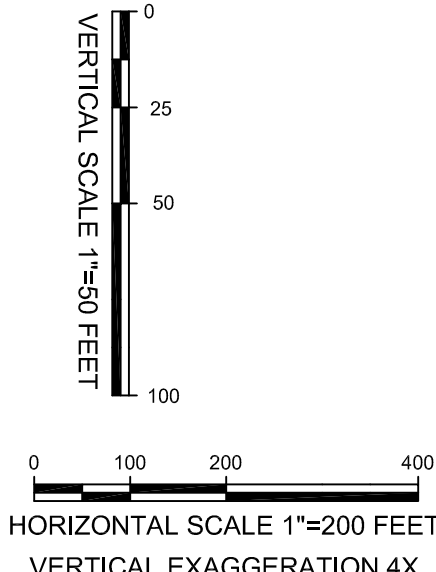
MW-08-XX Monitor Well Designation

G = Glacial

R = Rock

S = Shallow

- NOTES:**
- DIAMICTON = POORLY SORTED DEPOSITS COMPOSED OF GRAVEL CLAST WITHIN A FINER GRAINED MATRIX.
 - SOIL SYMBOLOGY FROM AMERICAN SOCIETY FOR TESTING MATERIALS, 1985, D 2487-83, "CLASSIFICATION OF SOILS FOR ENGINEERING PURPOSES, ANNUAL BOOK OF ASTM STANDARDS," VOL.04.08, PP. 395-408.
 - ROCK SYMBOLOGY FROM FEDERAL GEOGRAPHIC DATA COMMITTEE, 2006, FGDC STD-013-2006, "DIGITAL CARTOGRAPHIC STANDARD FOR GEOLOGIC MAP SYMBOLIZATION.
 - 2.5 YR 4/4 - MUNSELL SOIL COLOR CHARTS, YEAR 2000 REVISED WASHABLE EDITION.



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FIGURE 202.2.3-14g

GEOLOGIC CROSS SECTION

G-G'

ORVANA RESOURCES U.S. CORP.
COPPERWOOD PROJECT
GOGEBIC COUNTY, MICHIGAN

PROJECT NUMBER 60179066 SCALE: AS SHOWN