

Note: arrow shows approximate site location

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FIGURE TITLE :

Solid Geology

PROJECT :

M8 Junction, Site Investigation

REPORT NUMBER :

A0567-00-R2-1



LLGS	Lower Limestone Formation: mainly mudstones with sandstones, siltstones, marine limestones, thin coals and clayband ironstones
ULGS	Upper Limestone Formation: cyclic sequences of sandstones, siltstones, mudstones, marine limestones, coals and seatrocks
LSC	Limestone Coal Formation: cyclic sequences of sandstones, siltstones, mudstones, coals, blackband and clayband ironstones and seatrocks
LWM	Lawmuir Formation: mainly sandstones, especially in lower part, with siltstones, mudstones, marine and non-marine limestones, coals and seatearths
BGN	Ballagan Formation: grey silty mudstone with numerous thin beds of nodular dolomitic limestone ('cementstone'); sandstones occur in lower part
KNW	Kinnesswood Formation: red and white cross-bedded sandstones with nodules and beds of pedogenic limestone ('cornstone'); pebbly in places. The lower part of the formation may be of Devonian age
W	Trachybasalt; <i>W^M</i> Mugearite; <i>WB</i> Trachybasalt with subordinate basalt
<i>BJ</i>	Microporphyritic olivine-basalt, basaltic hawaiite and hawaiite of Jedburgh type
<i>BDu</i>	Macroporphyritic olivine-basalt of Dunsapie type
<i>BCK</i>	Macroporphyritic olivine-basalt of Craiglockhart type (ankaramite)
Z	Tuff and agglomerate with some volcanoclastic and clastic sediments in places
<i>DT</i>	Ophitic alkali olivine-dolerite; <i>DB</i>- Barkevikite; <i>DT</i>-Teschenite
D	Olivine-dolerite and olivine-basalt; <i>D^J</i>- Jedburgh type; <i>DD</i>- Dalmeny type; <i>DM</i>- Markle type; <i>D^{Du}</i>- Dunsapie type; <i>D^{CK}</i>- Craiglockhart type
V	Agglomerate in vents, may include rafts of country rock
LWM	Lawmuir Formation: sandstones, siltstones, mudstones and seatrocks; a few coal seams and marine limestones. Much sandstone, commonly pebbly, in lower part; cyclic sequences predominate in upper part
LSC	Limestone Coal Group (undivided): cyclic sequences of sandstones, siltstones, mudstones, coals and seatrocks, and a few thin limestones
W	Intermediate lavas of the alkali olivine-basalt series (unclassified); <i>WT</i> Trachybasalt; <i>WM</i> Mugearite
<i>IBW</i>	Macroporphyritic feldspar-phyric lavas with compositions in the range basalt – basaltic hawaiite – hawaiite (unclassified Markle lavas)
<i>BM</i>	Macroporphyritic olivine-basalt of Markle type
<i>BD</i>	Microporphyritic olivine-basalt of Dalmeny type; <i>BH</i> Olivine-basalt of Hillhouse type
BGN	Ballagan Formation: grey silty mudstones and numerous thin beds of nodular dolomitic limestone ('cementstone'). Sandstone beds in lower part
KNW	Kinnesswood Formation: white and red cross-bedded sandstones and red-brown siltstones with nodules and beds of pedogenic limestone ('cornstone'). The oldest part of the formation may be of Devonian age
<i>Q^D</i>	Quartz-dolerite

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FIGURE TITLE :

Solid Geology Key (1)

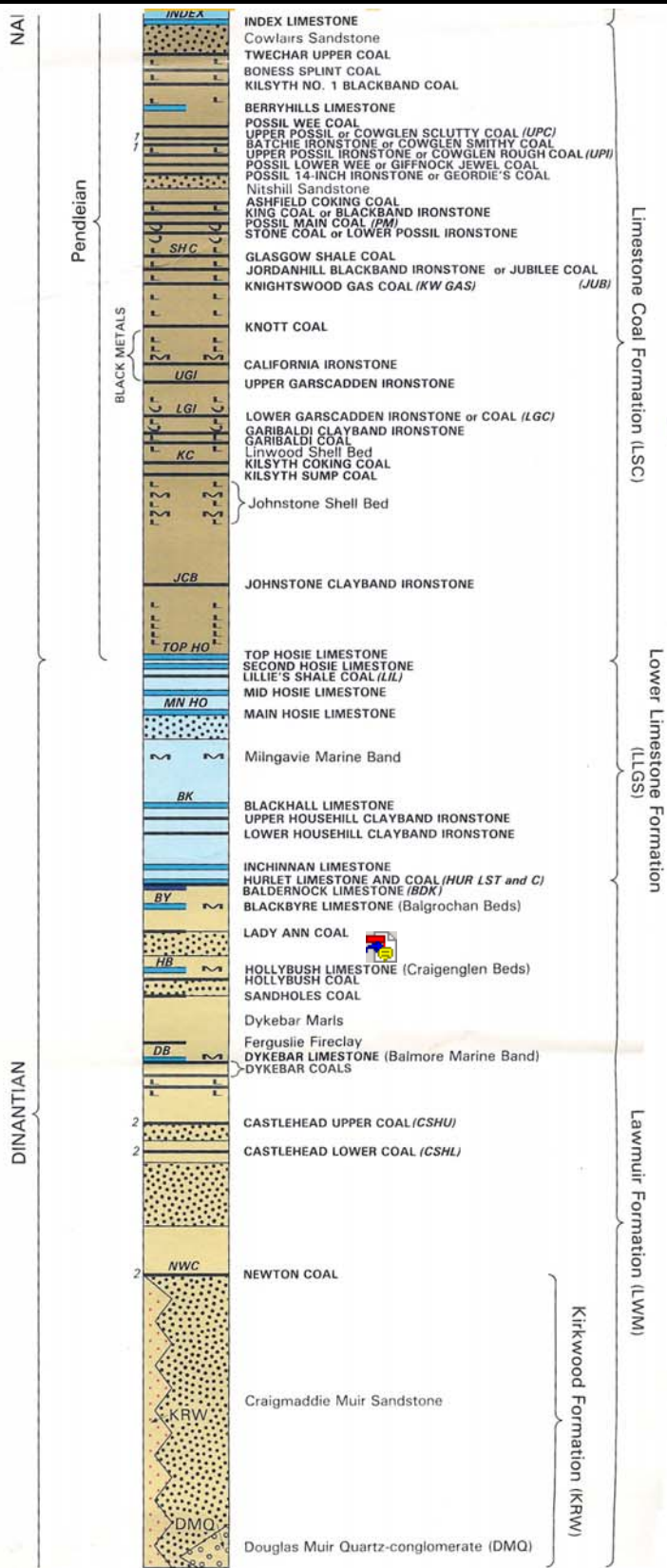
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BAE SYSTEMS



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FIGURE TITLE :

Solid Geology Key (2)

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BAE SYSTEMS