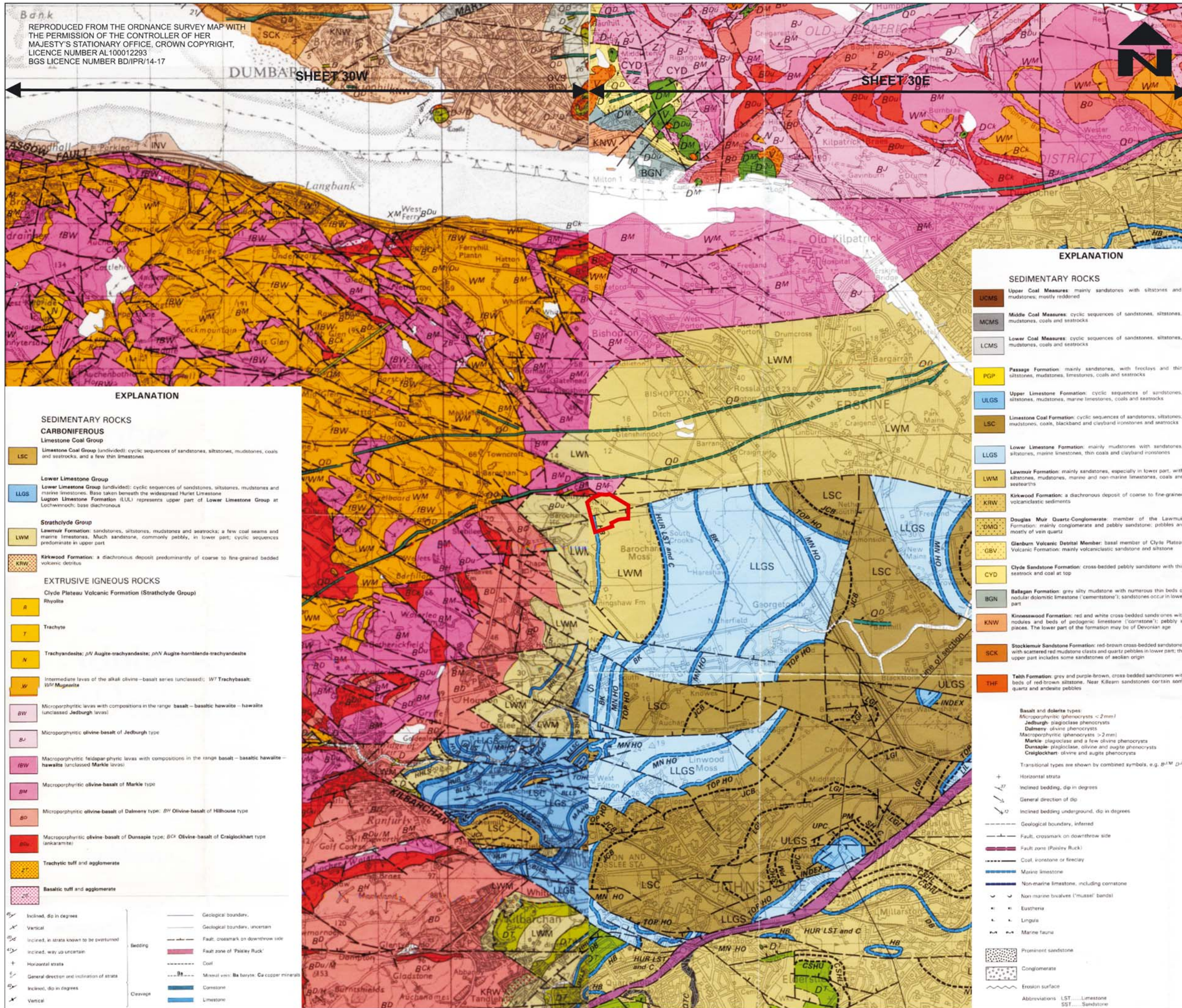


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NOTES



PLANNING APPLICATION BOUNDARY

PLEASE REFER TO DRAWING REF. 405-0155-00008_1006-LEA_11.2_0 405-MM FOR SCALE DRAWING

EXPLANATION

SEDIMENTARY ROCKS

CARBONIFEROUS

Limestone Coal Group

LSC Limestone Coal Group (undivided): cyclic sequences of sandstones, siltstones, mudstones, coals and seatracks, and a few thin limestones

Lower Limestone Group

LLGS Lower Limestone Group (undivided): cyclic sequences of sandstones, siltstones, mudstones and marine limestones. Base taken beneath the widespread Hurlet Limestone
Lugton Limestone Formation (LUL) represents upper part of Lower Limestone Group at Lochwinnoch; base diachronous

Strathclyde Group

LWM Lawmuir Formation: sandstones, siltstones, mudstones and seatracks; a few coal seams and marine limestones. Much sandstone, commonly pebbly, in lower part; cyclic sequences predominate in upper part

KRW Kirkwood Formation: a diachronous deposit predominantly of coarse to fine-grained bedded volcanic detritus

EXTRUSIVE IGNEOUS ROCKS

Clyde Plateau Volcanic Formation (Strathclyde Group)

R Rhyolite
T Trachyte

Y Trachyandesite; pN Augite-trachyandesite; pAN Augite-hornblende-trachyandesite

W Intermediate lavas of the alkali olivine-basalt series (unclassified); W7 Trachybasalt; W8 Mugearite

BW Microporphyratic lavas with compositions in the range basalt - basaltic hawaitite - hawaitite (unclassified Jedburgh lavas)

BJ Microporphyratic olivine-basalt of Jedburgh type

IBW Microporphyratic feldspar-phryic lavas with compositions in the range basalt - basaltic hawaitite - hawaitite (unclassified Markle lavas)

BM Microporphyratic olivine-basalt of Markle type

BD Microporphyratic olivine-basalt of Dalmeny type; BD¹ Olivine-basalt of Hibhouse type

BD² Microporphyratic olivine-basalt of Dunsapie type; BD³ Olivine-basalt of Craiglockhart type (ankaramite)

Trachytic tuff and agglomerate

Basaltic tuff and agglomerate

- Inclined, dip in degrees
- Vertical
- Inclined, in strata known to be overturned
- Inclined, way up uncertain
- Horizontal strata
- General direction and inclination of strata
- Inclined, dip in degrees
- Vertical
- Geological boundary
- Geological boundary, uncertain
- Fault, crossmark on downthrow side
- Fault zone of Paisley Ruck
- Coal
- Mixed vein: Bk barite; Cu copper minerals
- Comestone
- Limestone
- Bedding
- Cleavage

EXPLANATION

SEDIMENTARY ROCKS

UCMS Upper Coal Measures: mainly sandstones with siltstones and mudstones, mostly reddened

MCMS Middle Coal Measures: cyclic sequences of sandstones, siltstones, mudstones, coals and seatracks

LCMS Lower Coal Measures: cyclic sequences of sandstones, siltstones, mudstones, coals and seatracks

PGP Passage Formation: mainly sandstones, with freccles and thin siltstones, mudstones, limestones, coals and seatracks

ULGS Upper Limestone Formation: cyclic sequences of sandstones, siltstones, mudstones, marine limestones, coals and seatracks

LSC Limestone Coal Formation: cyclic sequences of sandstones, siltstones, mudstones, coals, blackband and clayband ironstones and seatracks

LLGS Lower Limestone Formation: mainly mudstones with sandstones, siltstones, marine limestones, thin coals and clayband ironstones

LWM Lawmuir Formation: mainly sandstones, especially in lower part, with siltstones, mudstones, marine and non-marine limestones, coals and seatracks

KRW Kirkwood Formation: a diachronous deposit of coarse to fine-grained volcaniclastic sediments

DMQ Douglas Muir Quartz Conglomerate: member of the Lawmuir Formation: mainly conglomerate and pebbly sandstone; pebbles are mostly of vein quartz

GBV Glenburn Volcanic Detrital Member: basal member of Clyde Plateau Volcanic Formation: mainly volcaniclastic sandstone and siltstone

CYD Clyde Sandstone Formation: cross-bedded pebbly sandstone with thin seatrack and coal at top

BGN Balagan Formation: grey silty mudstone with numerous thin beds of nodular dolomitic limestone ('cementstone'); sandstones occur in lower part

KNW Kinrosswood Formation: red and white cross-bedded sandstones with nodules and beds of pelagic limestone ('comstone'); pebbly in places. The lower part of the formation may be of Devonian age

SCK Stocklemyr Sandstone Formation: red-brown cross-bedded sandstones with scattered red mudstone clasts and quartz pebbles in lower part; the upper part includes some sandstones of aeolian origin

THF Teth Formation: grey and purple-brown, cross-bedded sandstones with beds of red-brown siltstone. Near Kilmarnock sandstones contain some quartz and andesite pebbles

Basalt and dolerite types:
Microporphyritic (phenocrysts <2mm)
Jedburgh: plagioclase phenocrysts
Dalmeny: olivine phenocrysts
Microporphyritic (phenocrysts >2mm)
Markle: plagioclase and a few olivine phenocrysts
Dunsapie: plagioclase, olivine and augite phenocrysts
Craiglockhart: olivine and augite phenocrysts

Transitional types are shown by combined symbols, e.g. B¹M D¹D

- Horizontal strata
- Inclined bedding, dip in degrees
- General direction of dip
- Inclined bedding underground, dip in degrees
- Geological boundary, inferred
- Fault, crossmark on downthrow side
- Fault zone (Paisley Ruck)
- Coal, ironstone or fireclay
- Marine limestone
- Non-marine limestone, including comstone
- Non-marine bivalves ('muschel' bands)
- Eutherna
- Lingula
- Marine fauna
- Prominent sandstone
- Conglomerate
- Erosion surface
- Abbreviations: LST - Limestone, SST - Sandstone

0	OCT 06	GR	
Revision	Issue Date	Issue By	Comments



Site: BISHOPTON RO FACTORY
Project: LANDFILL ENVIRONMENTAL ASSESSMENT

Drawing: Extract of Solid Geological Plan

Date: OCTOBER 2006
Scale: NTS
Drawing No.: 11.2

405-0155-00008_1006_LEA_11.2_0 405-MM

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