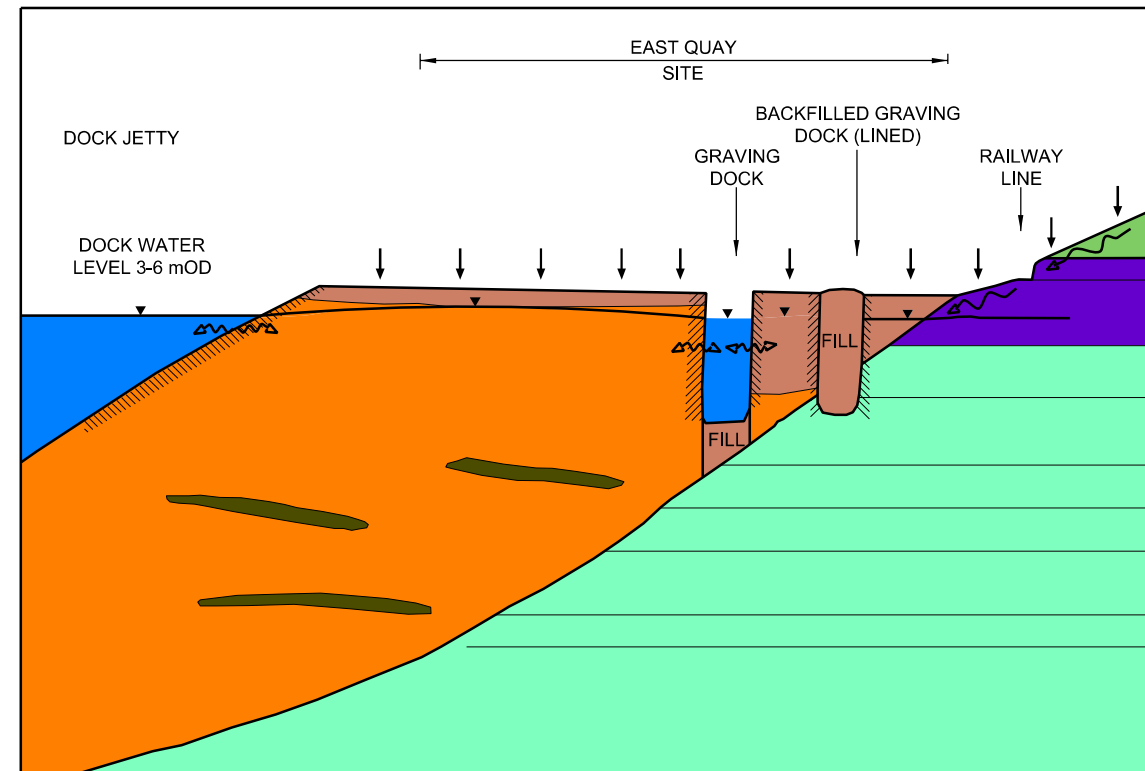
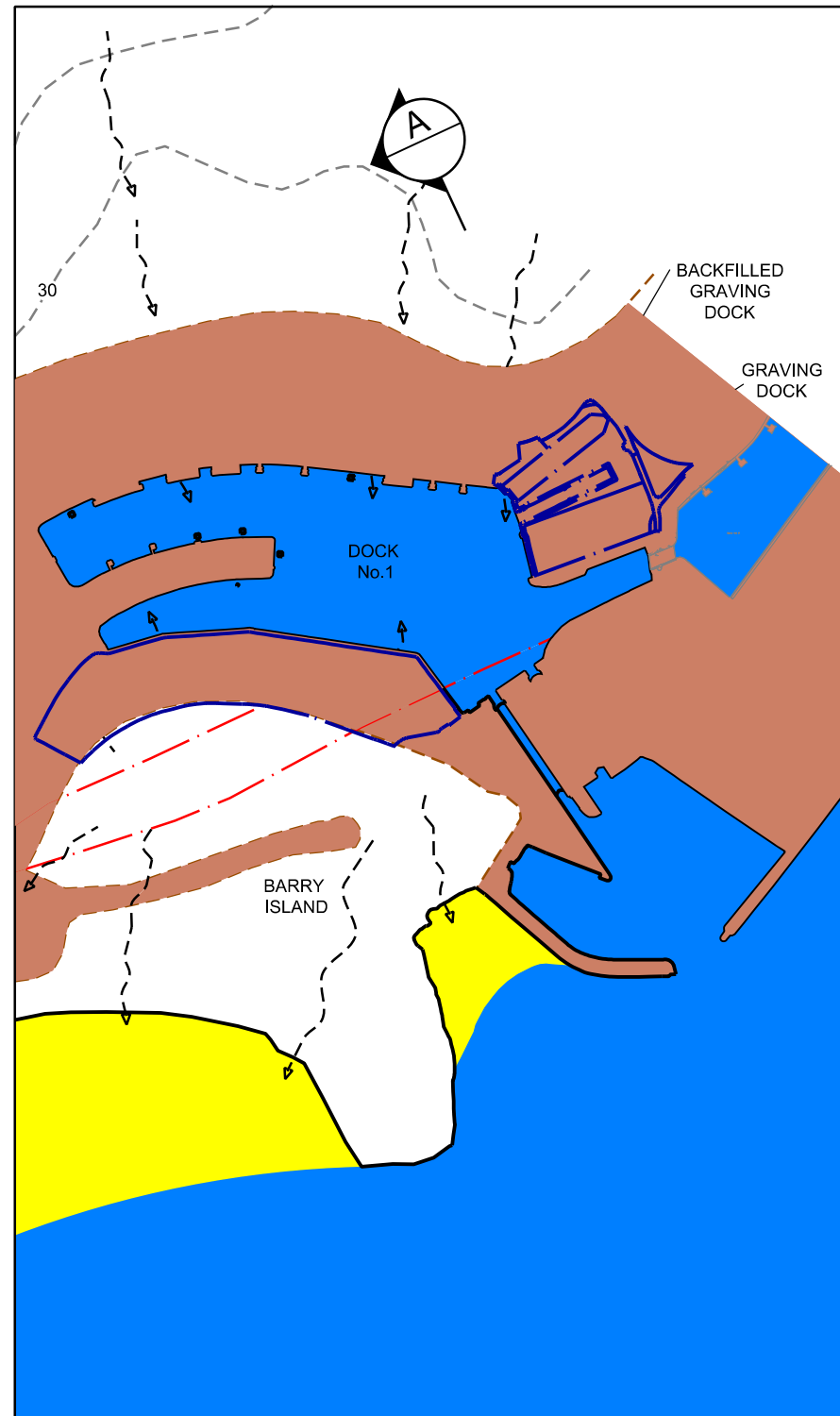


SCALE NTS

**Arno Quay
Ground Conditions -
Typical Cross Section**

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FIGURE ES H1



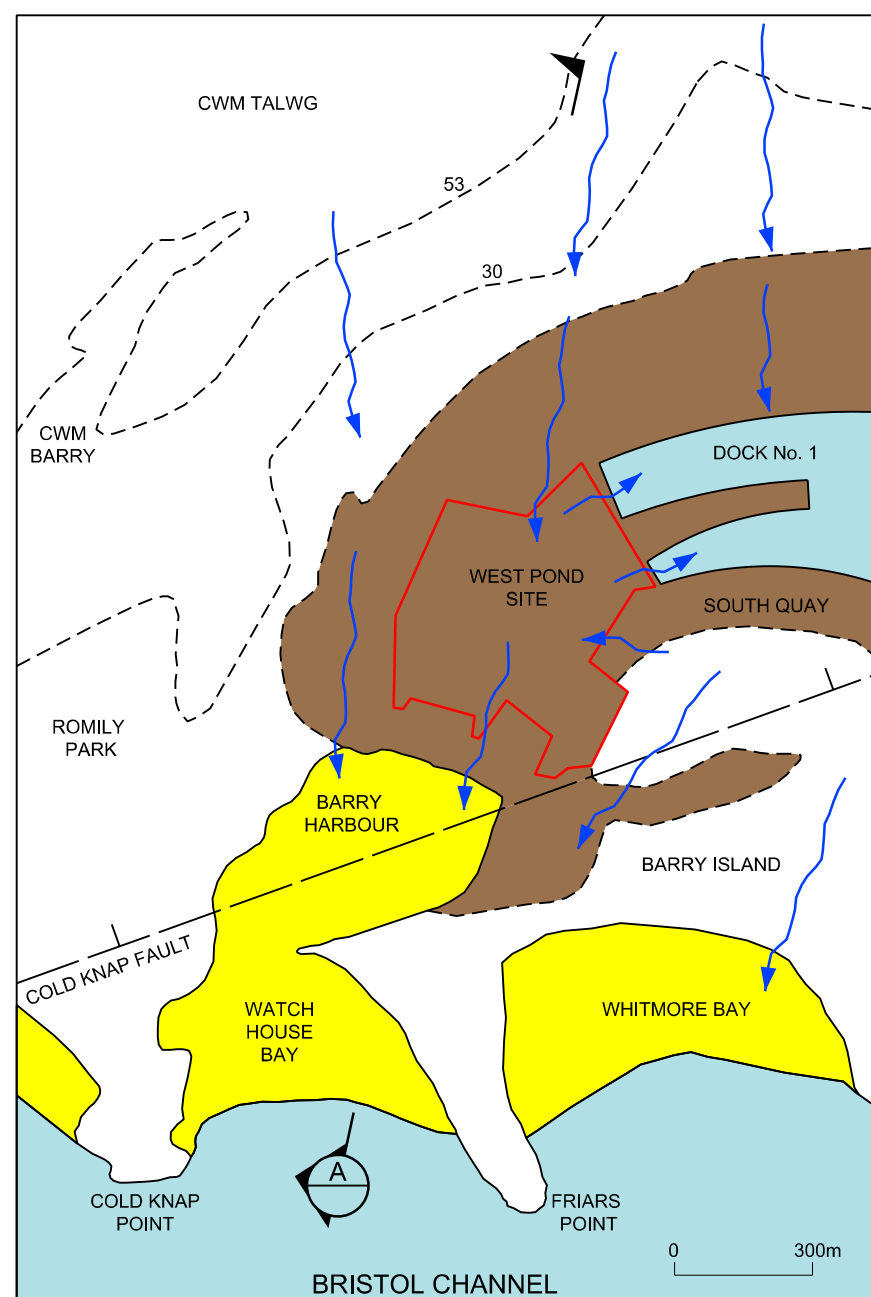
SECTION A-A

- SCHEMATIC SECTION TO ILLUSTRATE THE HYDROGEOLOGY
- NOT TO SCALE (VERTICAL SCALE EXAGGERATION)

EAST QUAY
CONCEPTUAL
HYDROGEOLOGICAL
MODEL

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FIGURE ES H2

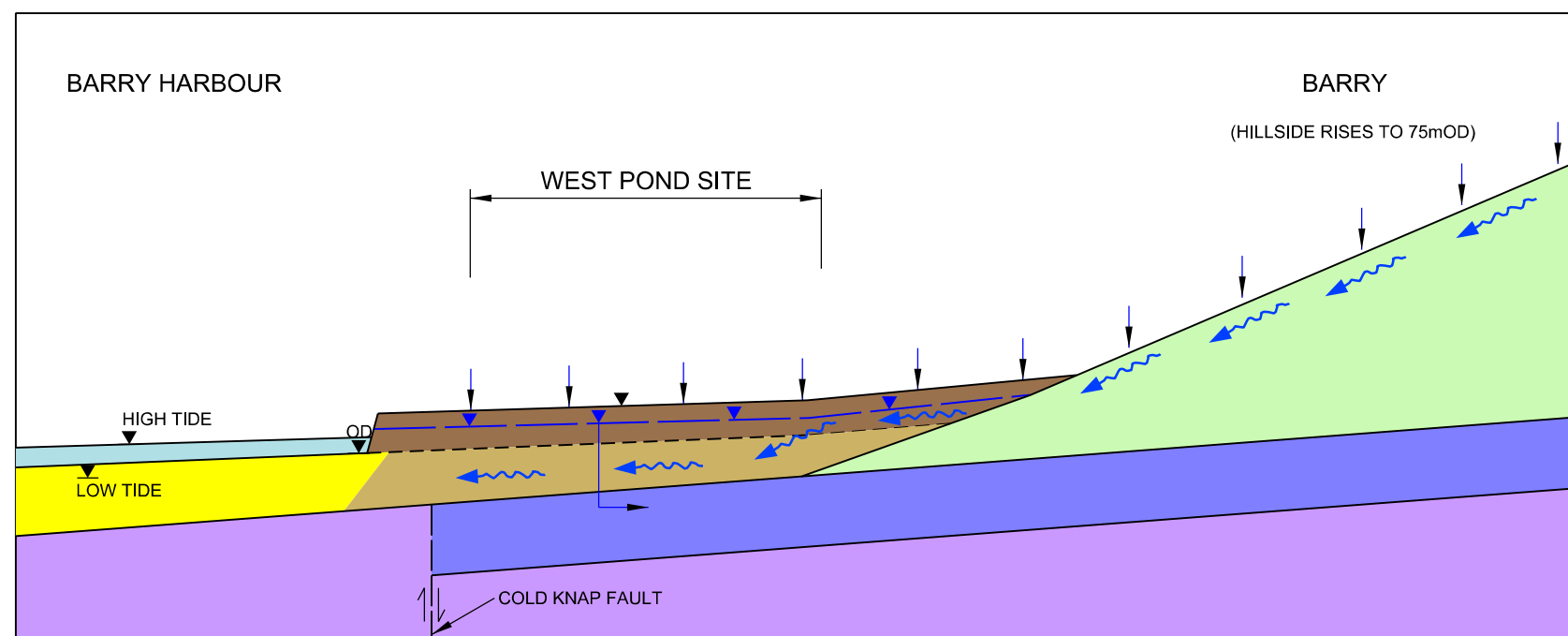


PLAN

KEY

- 30 CONTOUR (mOD)
- AREA CONTAINING MADE GROUND
- AREAS INUNDATED BY HIGH TIDES
- EXPECTED DIRECTION OF GROUNDWATER FLOW

SCALE 1:1000



SECTION - SCHEMATIC TO ILLUSTRATE HYDROGEOLOGY
NOT TO SCALE (VERTICAL SCALE EXAGGERATED)

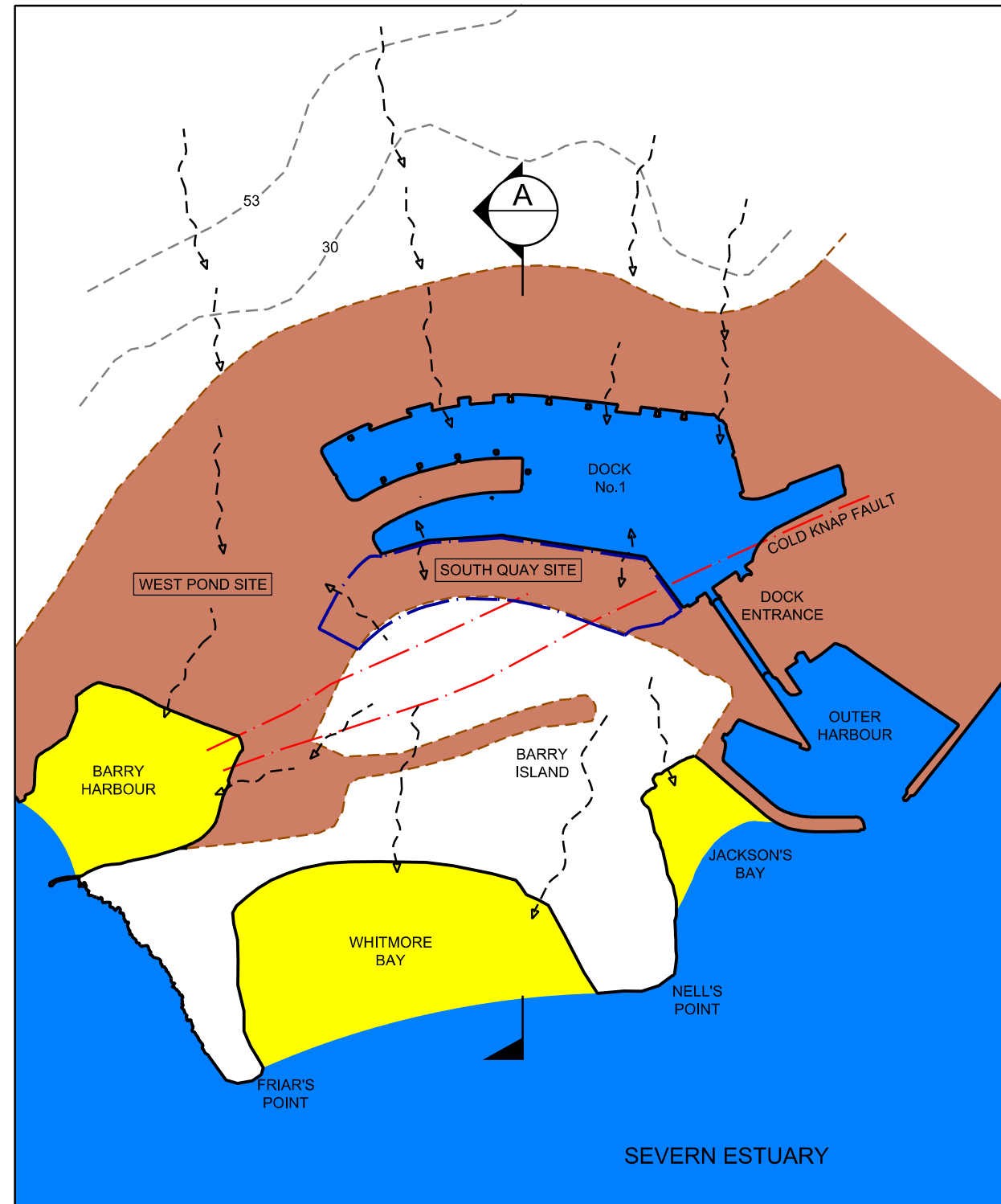
KEY

- BEACH DEPOSITS
- MADE GROUND
- ESTUARINE ALLUVIUM OF FORMER CADOXTON RIVER
- LOWER LIAS STRATA (PORTHKERRY FORMATION, LAVERNOCK SHALES, ST MARY'S WELL BAY FORMATION)
- PENARTH GROUP AND BLUE ANCHOR FORMATION
- MERCIA MUDSTONE GROUP
- RAINFALL
- GROUNDWATER FLOW PATH
- WATER TABLE
- PIEZOMETRIC PRESSURE

**West Pond -
Conceptual
Hydrogeological
Model**

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FIGURE ES H3

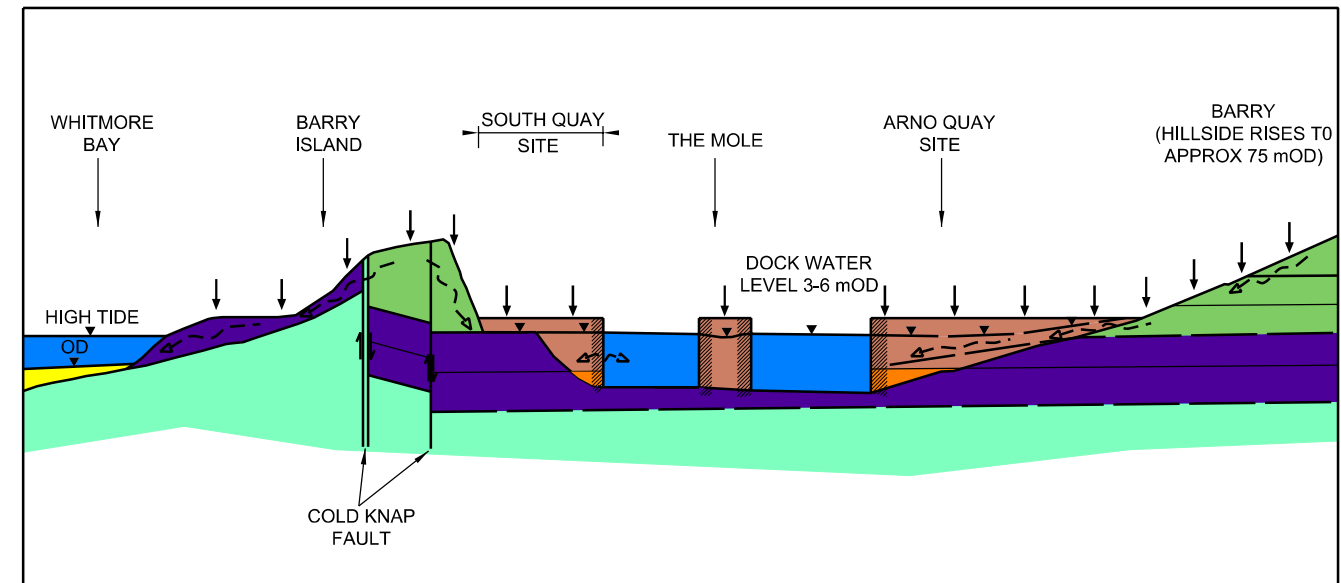


PLAN

KEY

- EXPECTED DIRECTION OF GROUNDWATER FLOW
- CONTOUR (MOD)
- AREA CONTAINING MADE GROUND
- AREAS INUNDATED BY HIGH TIDES

SCALE N.T.S.



SECTION A-A

- SCHEMATIC SECTION TO ILLUSTRATE THE HYDROGEOLOGY
- NOT TO SCALE (VERTICAL SCALE EXAGGERATION)

KEY

- | | | |
|---|--|-----------------------|
| BEACH DEPOSITS | LOWER LIAS (PORTKERRY FORMATION LAVERNOCK SHALES ST MARY'S WELL BAY FORMATION) | GROUNDWATER FLOW PATH |
| MADE GROUND | PENARTH GROUP AND BLUE ANCHOR FORMATION | RAINFALL |
| ESTUARINE ALLUVIUM OF FORMER CADOXTON RIVER | MERCIA MUSTONE GROUP | WATER TABLE |
- TRIASSIC STRATA

**SOUTH QUAY
CONCEPTUAL
HYDROGEOLOGICAL
MODEL**

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FIGURE ES H4