



**FILL FROM MARINA DREDGING**  
 Estimated extent. Generally stiff to hard silt mixtures containing some sand and shells, extending from ground level to approximately 2 to 6.5m depth.  
 Specific geotechnical design required for development.

**STEEPER TERRAIN**  
 Ecological overlay (green) areas have generally been drawn in steeper areas.  
 Development is not proposed in these areas

**SHALLOW LANDSLIP**  
 Estimated extent shown. Specific geotechnical design required for development.

**ANCIENT SEMICIRCULAR LANDSLIP**  
 Located within the proposed ecological overlay.  
 Development is not proposed for this location.

**2130 ASCIE LINE**  
 Future area susceptible to coastal instability and erosion (year 2130), set out in accordance with Auckland Council Code of Practice 2013. The dashed line represents areas of greater uncertainty (stream mouths & backshore topography).  
 Development is not proposed west of this line.

**GENERAL DEVELOPMENT AREAS**  
 Specific geotechnical design not generally required for development (although all soils are likely to be moderately expansive).

**GEOTECHNICAL INVESTIGATIONS LEGEND**

- TONKIN+TAYLOR (NOV-DEC 2021):
- HAND AUGER BOREHOLE
  - ▲ CONE PENETROMETER TEST
- NZ GEOTECHNICAL DATABASE:
- BOREHOLE
  - ▲ CONE PENETROMETER TEST
  - ◆ HAND AUGER / SCALA
  - ✕ OTHER
- LANDER CONSULTANTS (2016):
- ⊕ HAND AUGER BOREHOLE
- FRASER THOMAS (2012):
- MACHINE BOREHOLE
  - ⊕ HAND AUGER BOREHOLE
  - TEST PIT