

KIS-3 Drill Site Prognosis

Depth (m) North

KIS1920_3

South TWTT (ms)

Ice Shelf

Ocean Cavity

Sea Floor

Quaternary sediments comprising cycles of thick diamictite, sandstone, and mudstone (sub glacial-sub ice shelf) with occasional thin diatomaceous mudstones (open marine)

Regional disconformity - transition to more persistent WAIS (M2 glaciation?)

Upper Neogene sediments comprising cycles of diamictite, sandstone, mudstone and diatomite (occasionally thick)

Ice shelf

Unit K-1

Unit K-2

0
580
580
50
630
140
750

KIS-3 drill site

KIS1920_2X

~200 m

Ice shelf

Ocean cavity

Unit K-1

Horizon D

Unit K-2

Source ghost

Source ghost

Seafloor long-path multiple

