Cast 5

Station 4

January 9, 13:39

-75 44, -175 57

570 m depth

This station is in the middle of Eddy 1. There were large number of birds in the area.

The surface layer is about 35m thick with high chlorophyll. There is no indication of winter water. There weak evidence of CDW at 250 m. Most of the water is modified shelf water. The water below 400 m is freezing with higher salinity indicating modified shelf water.

The mixed layer is 35 m thick with chlorophyll above 15 mg/m3.

Tmax is at 250 m with a temperature of -1.25C and salinity 34.4. The water between 200 and 300 m has slightly higher temperature and lower oxygen. This layer has some influence from CDW.

The water below 400 m is at freezing (-1.94) and increased salinity (34.68).



