North Pole Hydrography 1991–2006
Compared with EWG Atlas Climatology

A comparison of profiles of ocean temperature and salinity at the North Pole
shows the extent of Arctic warming during the early 1990s. Values for the 1950s
through the 1980s are obtained from mean fields of the Environmental Working
Group Winter Atlas (EWG, 1997). Each of these values is a decadal mean for
those depth levels. Each sample since 1991 is an individual cast, either
Conductivity-Temperature-Depth (CTD) or Expendable CTD (XCTD). Each of
these is a snapshot in both time and space, as near to the Pole as the particular
expedition could reach, and may not be completely representative of local
geographic or seasonal variation.
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Ocean Temperature (°C)
Pressure (dbar)

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