Appendix 8 – Oceanographic data.

(Files available at
http://pubs.usgs.gov/of/2012/1083/of2012-1083_appendixes/of2012-1083_appendix_8/)

The oceanographic data from the tripods and buoys are organized by phase of the Demonstration Project and mooring ID. All data from a specific mooring are contained with a separate folder. The folder names are the mooring IDs and have the following format: ***PPPYYMMM***, where

PPP is the project ("TJR" for all),

YY is the final two digits of the year ("08" or "09"), and

MMM is the mooring number, where

the first digit is the location ("N" for northern, "C" for central, "S" for southern),

the second digit is the mooring number at that location, and

the third digit denotes the type of mooring ("T" for benthic tripod, "S" for surface buoy).

The data are stored in the netCDF format as noted above in this report, and metadata and information about measurement units and sampling intervals are provided in each file. Information about the netCDF file format can be found in Montgomery and others (2008). File names have the following format: ***PPPYYMMMNNFF.nc***, where

PPPYYMMM is the mooring ID as noted above,

NN is the sequential file number from this mooring ("01", "02", etc. to the total number of files), and

FF is the instrument and data type, including:

"adv2s-cal" for SonTek/YSI ADV-O current measurements and concurrent OBS and/or transmissometer data,

"aq-cal" for calibrated Nortek AS Aquadopp current meter data,

"aw-cal" for Nortek AWAC current data and concurrent OBS data,

"awWvs-p" for Nortek AWAC directional wave data,

"ls-s" for Sequoia Scientific Inc. LISST-100X data,

"mc" for Seabird microcat CTD,

"nx" for the Falmouth Scientific, Inc. (now part of Teledyne RDI) Non-eXternal Inductive Cell (NXIC) CTD, and

"wh" for Teledyne RDI ADCP currents.