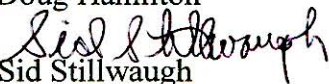


NODC Liaison Office
NOAA/NESDIS
7600 Sand Point Way NE
Seattle, WA 98115-0070

Date: 3 Nov. 1998

To : Doug Hamilton

From:  Sid Stillwaugh

Subj: Transfer of NMFS, Groundfish, Bottom Trawl Surveys, Sea Temps. And Salinity
Data Sets

Doug:

Enclosed, find one CD ROM and a total of 4 data reports and one ADP code book. The data sets were provided by Mr. Gary Mundell, NMFS/AFSC, RACE div. The reports were provided by NMFS/RACE div. staff. The CD ROM contains a total of 5 files (see below), including one large data file (profile.lst at about 73 meg.) and one event listing (event.lst at about 1.1 meg.). The profile.lst data file contains primarily sea temperatures data (there are some salinity records) resultant from NMFS, Alaska Fisheries Science Center, groundfish bottom trawl surveys, Bering Sea, Gulf of Alaska and U.S. west coast surveys, approx. Aug. 1976 to Sept. 1997. The event .lst records tie directly to the profile.lst records. Key in on vessel, cruise and event. Also, the profile.lst cruises are in no particular order, for example, the data records (profile.lst) begin with a 1982 Bering Sea cruise made by the vessel Pat San Marie. The two smaller CD ROM sql files are for header information for the profile.lst and event.lst files. The files are ASCII text and were extracted from the NMFS, RACEBase Oracle data base. You'll notice that the profile.lst data files have no header across the top, the office PC doesn't have enough RAM to pull and edit this large file. The other problem is that the CD is read only. Use the information found in the tables.lst file under the second section sql>desc profile as the header information. I'll need to ask you to edit in this info. Mr. Mundell did not edit in the header info because Oracle will repeat the header every 50,000 lines which is several times in the data set. He indicated it would really mess things up. Better to use an editor that won't do this.

I have also enclosed 4 sample data or cruise reports for you to use as documentation, except for the device used to collect the water temps., the survey methods and locations remain pretty much the same throughout the years of the surveys. The enclosed ADP code book will provide vessel codes found in the data file.

In addition to editing the headers info into the profile.lst file, some fields in the tables.lst file need to be edited out after you pull the files off the CD ROM to another storage media.

These are the fields (not included with the data set) that should be removed. They are meaningless to anyone but NMFS.

They are:

- 1) Cruisejoin
- 2) hauljoin
- 3) stratum
- 4) station
- 5) Device_ID
- 6) Up_down

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At this point, I need to provide you some explanation for some of the headers/fields you'll find in the data sets.

- 1) Region - 3 digit code, ex: HBS, HG, HWC - H indicates the NMFS hydroacoustic Group, BS = Bering Sea, G = Gulf of AK, WC = west coast
- 2) Cruise - NMFS 3 or 4 digit cruise no.
- 3) Device - XBT, CTD or MBT (micro BT)
- 4) Event - mostly meaningful to NMFS people, but was left in to tie the event .lst entry to the appropriate profile.lst multiple entries.
- 5) Null - used by NMFS to indicate a non mandatory entry field
- 6) Not null - used by NMFS to indicate a mandatory entry field

Regards parameters;

- 1) Depth - meters to tenths
- 2) temperature - Deg. C to hundredths
- 3) salinity - (where entered), parts per thousand to hundredths

Files Sent:

- 1) profile.lst - data file (approx. 73 meg.)
- 2) event.lst - header records (date, time, lats., longs., etc) to tie to profile.lst file
- 3) tables.lst - header names for event.lst and profile.lst files
- 4) event.sql - sql headers
- 5) profile.sql - sql headers

NODC Catalog Info

Accession no. :
Date Received :
PI/Source : Mr. Gary Mundell, NOAA/NMFS/AFSC, Resource Assessment
Conservation Engineering, 7600 Sand Point Way NE, Seattle, WA
98115-0070 (206)526-4137, email: Gary.Mundell@noaa.gov
Project : NMFS, Groundfish Bottom Trawl Surveys
Sampling Method : underway CTD, XBT or micro BT temperature and salinity
Measurements
Obs. Dates : Aug. 1976 - Sept. 1997
Obs. Location : Bering Sea, Gulf of Alaska, U.S. west coast
Data Amount : continuous over duration of survey
Ship(s)/Cruise(s) : various (22 vessels)/various - see event.lst files

I know this is a large and possibly confusing data set, but I thought it was worth sending for your evaluation. Mr. Mundell indicated he'd be very happy to be contacted to answer any and all questions pertaining to the enclosed data set.

If the data are included, please send me an NODC accession no. as one is assigned.