```sql
DROP TABLE RPT_ZOO;
CREATE TABLE RPT_ZOO AS
select A.EVENT_PK_SEQ, A.NET_PK_SEQ, a.CRUISE_NAME, a.STATION, a.gear as Zoo_Gear, a.LATITUDE AS LAT, a.LONGITUDE AS LON, TO_CHAR (a.EVENT_DATE, 'DD-MON-YYYY') AS "DATE",
  TO_CHAR (a.EVENT_DATE, 'HH24:MI') AS TIME, a.BOTTOM_DEPTH_MAX_WIRE_OUT AS DEPTH,
 c.sfc_temp, c.sfc_salt, c.btm_temp, c.btm_salt,
 COALESCE(TO_CHAR(BIO_VOLUME_ZOO_1M2), 'NaN') AS VOLUME_1M2,
   COALESCE((SUM(CASE  A.TAXA_004     WHEN 103
      THEN  A.CONC_10M2 END)),  0) AS ctyp_10M2,
   COALESCE((SUM(CASE  A.TAXA_004  WHEN 101
      THEN  A.CONC_10M2 END)),  0) AS calfin_10M2,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 IN (102,4128)
      THEN  A.CONC_10M2 END)),  0) AS pseudo_10M2,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 IN (611,613)
      THEN  A.CONC_10M2 END)),  0) AS penilia_10M2,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 104
      THEN  A.CONC_10M2 END)),  0) AS tlong_10M2,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 109
      THEN  A.CONC_10M2 END)),  0) AS cham_10M2,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 BETWEEN 1500 AND 1599
      THEN  A.CONC_10M2 END)),  0) AS echino_10M2,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 BETWEEN 700 AND 799
      THEN  A.CONC_10M2 END)),  0) AS larvaceans_10M2,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 135
      THEN  A.CONC_10M2 END)),  0) AS para_10M2,
   COALESCE((SUM(CASE   WHEN  (TAXA_004 BETWEEN 300 and 399) or (TAXA_004 BETWEEN 1100 AND 1199) OR (TAXA_004 BETWEEN 3300 AND 3399)
      THEN  A.CONC_10M2 END)),  0) AS gas_10M2,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 4027
      THEN  A.CONC_10M2 END)),  0) AS acarspp_10M2,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 105
      THEN  A.CONC_10M2 END)),  0) AS mlucens_10M2,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 605
      THEN  A.CONC_10M2 END)),  0) AS evadnespp_10M2,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 BETWEEN 3400 AND 3499
      THEN  A.CONC_10M2 END)),  0) AS salps_10M2,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 138
      THEN  A.CONC_10M2 END)),  0) AS oithspp_10M2,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 BETWEEN 2100 AND 2199
      THEN  A.CONC_10M2 END)),  0) AS cirr_10M2,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 BETWEEN 200 AND 299
      THEN  A.CONC_10M2 END)),  0) AS chaeto_10M2,
   COALESCE((SUM(CASE   WHEN  (TAXA_004 BETWEEN 400 and 499) or (TAXA_004 BETWEEN 800 AND 849) OR (TAXA_004 BETWEEN 4600 AND 4699)
      THEN  A.CONC_10M2 END)),  0) AS hyper_10M2,
   COALESCE((SUM(CASE   WHEN  (TAXA_004 BETWEEN 870 and 899) or (TAXA_004 BETWEEN 4400 AND 4499)
      THEN  A.CONC_10M2 END)),  0) AS gam_10M2,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 607
      THEN  A.CONC_10M2 END)),  0) AS evadnord_10M2,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 143
      THEN  A.CONC_10M2 END)),  0) AS calminor_10M2,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 100
      THEN  A.CONC_10M2 END)),  0) AS copepoda_10M2,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 157
      THEN  A.CONC_10M2 END)),  0) AS clauso_10M2,
   COALESCE((SUM(CASE   WHEN  (TAXA_004 BETWEEN 500 and 599) or (TAXA_004 BETWEEN 1000 AND 1099) OR (TAXA_004 BETWEEN 3100 AND 3299)
      THEN  A.CONC_10M2 END)),  0) AS dec_10M2,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 BETWEEN 2000 AND 2099
      THEN  A.CONC_10M2 END)),  0) AS euph_10M2,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 BETWEEN 3900 AND 3999
      THEN  A.CONC_10M2 END)),  0) AS prot_10M2,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 107
      THEN  A.CONC_10M2 END)),  0) AS acarlong_10M2,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 180
      THEN  A.CONC_10M2 END)),  0) AS euc_10M2,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 BETWEEN 1300 AND 1399
      THEN  A.CONC_10M2 END)),  0) AS pel_10M2,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 BETWEEN 2500 AND 2599
      THEN  A.CONC_10M2 END)),  0) AS poly_10M2,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 601
      THEN  A.CONC_10M2 END)),  0) AS podon_10M2,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 3500
      THEN  A.CONC_10M2 END)),  0) AS fish_10M2,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 BETWEEN 900 AND 949
      THEN  A.CONC_10M2 END)),  0) AS bry_10M2,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 4064
      THEN  A.CONC_10M2 END)),  0) AS fur_10M2,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 178
      THEN  A.CONC_10M2 END)),  0) AS calspp_10M2,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 191
      THEN  A.CONC_10M2 END)),  0) AS oncaea_10M2,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 4045
      THEN  A.CONC_10M2 END)),  0) AS cory_10M2,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 BETWEEN 3600 AND 3699
      THEN  A.CONC_10M2 END)),  0) AS ost_10M2,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 153
      THEN  A.CONC_10M2 END)),  0) AS tstyl_10M2,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 114
      THEN  A.CONC_10M2 END)),  0) AS oithspin_10M2,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 BETWEEN 2800 AND 2899
      THEN  A.CONC_10M2 END)),  0) AS mysids_10M2,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 4059
      THEN  A.CONC_10M2 END)),  0) AS temspp_10M2,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 108
      THEN  A.CONC_10M2 END)),  0) AS tort_10M2,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 4118
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                 THEN  A.CONC_10M2 END)),  0) AS paraspp_10M2,
       COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 1200
THEN  A.CONC_10M2 END)),  0) AS scyphz_10M2,
       COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 1250
THEN  A.CONC_10M2 END)),  0) AS anthz_10M2,
       COALESCE((SUM(CASE   WHEN  A.TAXA_004 BETWEEN 1800 AND 1899
THEN  A.CONC_10M2 END)),  0) AS siph_10M2,
       COALESCE((SUM(CASE   WHEN  A.TAXA_004 BETWEEN 2300 AND 2249
THEN  A.CONC_10M2 END)),  0) AS hydrom_10M2,
       COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 2350
THEN  A.CONC_10M2 END)),  0) AS coel_10M2,
       COALESCE((SUM(CASE   WHEN  A.TAXA_004 BETWEEN 2700 AND 2790
THEN  A.CONC_10M2 END)),  0) AS  ctenop_10M2,
       COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 2000
THEN  A.CONC_10M2 END)),  0) AS euph1_10M2,
       COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 2001
THEN  A.CONC_10M2 END)),  0) AS thysin_10M2,
       COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 2002
THEN  A.CONC_10M2 END)),  0) AS megan_10M2,
       COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 2003
THEN  A.CONC_10M2 END)),  0) AS thysra_10M2,
       COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 2004
THEN  A.CONC_10M2 END)),  0) AS thyslo_10M2,
       COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 2005
THEN  A.CONC_10M2 END)),  0) AS eupham_10M2,
       COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 2006
THEN  A.CONC_10M2 END)),  0) AS euphkr_10M2,
       COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 2010
THEN  A.CONC_10M2 END)),  0) AS euphspp_10M2,
       COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 2012
THEN  A.CONC_10M2 END)),  0) AS thysgr_10M2,
       COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 2013
THEN  A.CONC_10M2 END)),  0) AS nemaspp_10M2,
       COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 2015
THEN  A.CONC_10M2 END)),  0) AS stylspp_10M2,
       COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 2017
THEN  A.CONC_10M2 END)),  0) AS stylel_10M2,
       COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 2019
THEN  A.CONC_10M2 END)),  0) AS nemame_10M2,
       COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 2020
THEN  A.CONC_10M2 END)),  0) AS thysspp_10M2,
       COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 2024
THEN  A.CONC_10M2 END)),  0) AS shysac_10M2,
       COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 2027
THEN  A.CONC_10M2 END)),  0) AS thypsp_10M2,
       COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 2029
THEN  A.CONC_10M2 END)),  0) AS nemabo_10M2,
       COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 300
THEN  A.CONC_10M2 END)),  0) AS thecos_10M2,
       COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 301
THEN  A.CONC_10M2 END)),  0) AS spirre_10M2,
       COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 302
THEN  A.CONC_10M2 END)),  0) AS spirhe_10M2,
       COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 303
THEN  A.CONC_10M2 END)),  0) AS spirin_10M2,
       COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 304
THEN  A.CONC_10M2 END)),  0) AS spirtr_10M2,
       COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 305
THEN  A.CONC_10M2 END)),  0) AS spirspp_10M2,
       COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 306
THEN  A.CONC_10M2 END)),  0) AS clispp_10M2,
       COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 307
THEN  A.CONC_10M2 END)),  0) AS crevir_10M2,
       COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 308
THEN  A.CONC_10M2 END)),  0) AS diatri_10M2,
       COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 309
THEN  A.CONC_10M2 END)),  0) AS clicus_10M2,
       COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 310
THEN  A.CONC_10M2 END)),  0) AS clipyr_10M2,
       COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 311
THEN  A.CONC_10M2 END)),  0) AS cavunc_10M2,
       COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 312
THEN  A.CONC_10M2 END)),  0) AS cavinf_10M2,
       COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 313
THEN  A.CONC_10M2 END)),  0) AS cavlon_10M2,
       COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 314
THEN  A.CONC_10M2 END)),  0) AS stysub_10M2,
       COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 315
THEN  A.CONC_10M2 END)),  0) AS spirbu_10M2,
       COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 317
THEN  A.CONC_10M2 END)),  0) AS crespp_10M2,


       COALESCE((SUM(CASE   WHEN  TAXA_004 = 320
THEN  CONC_10M2 END)),  0) AS cavspp_10M2,
       COALESCE((SUM(CASE   WHEN  TAXA_004 = 321
THEN  CONC_10M2 END)),  0) AS cavoli_10M2x,
       COALESCE((SUM(CASE   WHEN  TAXA_004 = 350
THEN  CONC_10M2 END)),  0) AS gymnos_10M2,
       COALESCE((SUM(CASE   WHEN  TAXA_004 = 352
THEN  CONC_10M2 END)),  0) AS pnespp_10M2,
       COALESCE((SUM(CASE   WHEN  TAXA_004 = 353
THEN  CONC_10M2 END)),  0) AS paedol_10M2,
       COALESCE((SUM(CASE   WHEN  TAXA_004 = 354
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         THEN  CONC_10M2 END)),  0) AS clilim_10M2,
              COALESCE((SUM(CASE   WHEN  TAXA_004 = 355
         THEN  CONC_10M2 END)),  0) AS pnepau_10M2,
_
 COALESCE(TO_CHAR(BIO_VOLUME_ZOO_100M3), 'NaN') AS VOLUME_100M3,
   COALESCE((SUM(CASE  A.TAXA_004     WHEN 103
      THEN  A.CONC_100m3 END)),  0) AS ctyp_100M3,
   COALESCE((SUM(CASE  A.TAXA_004  WHEN 101
      THEN  A.CONC_100m3 END)),  0) AS calfin_100M3,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 IN (102,4128)
      THEN  A.CONC_100m3 END)),  0) AS pseudo_100M3,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 IN (611,613)
      THEN  A.CONC_100m3 END)),  0) AS penilia_100M3,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 104
      THEN  A.CONC_100m3 END)),  0) AS tlong_100M3,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 109
      THEN  A.CONC_100m3 END)),  0) AS cham_100M3,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 BETWEEN 1500 AND 1599
      THEN  A.CONC_100m3 END)),  0) AS echino_100M3,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 BETWEEN 700 AND 799
      THEN  A.CONC_100m3 END)),  0) AS larvaceans_100M3,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 135
      THEN  A.CONC_100m3 END)),  0) AS para_100M3,
   COALESCE((SUM(CASE   WHEN  (TAXA_004 BETWEEN 300 and 399) or (TAXA_004 BETWEEN 1100 AND 1199) OR (TAXA_004 BETWEEN 3300 AND 3399)
      THEN  A.CONC_100m3 END)),  0) AS gas_100M3,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 4027
      THEN  A.CONC_100m3 END)),  0) AS acarspp_100M3,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 105
      THEN  A.CONC_100m3 END)),  0) AS mlucens_100M3,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 605
      THEN  A.CONC_100m3 END)),  0) AS evadnespp_100M3,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 BETWEEN 3400 AND 3499
      THEN  A.CONC_100m3 END)),  0) AS salps_100M3,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 138
      THEN  A.CONC_100m3 END)),  0) AS oithspp_100M3,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 BETWEEN 2100 AND 2199
      THEN  A.CONC_100m3 END)),  0) AS cirr_100M3,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 BETWEEN 200 AND 299
      THEN  A.CONC_100m3 END)),  0) AS chaeto_100M3,
   COALESCE((SUM(CASE   WHEN  (TAXA_004 BETWEEN 400 and 499) or (TAXA_004 BETWEEN 800 AND 849) OR (TAXA_004 BETWEEN 4600 AND 4699)
      THEN  A.CONC_100m3 END)),  0) AS hyper_100M3,
   COALESCE((SUM(CASE   WHEN  (TAXA_004 BETWEEN 870 and 899) or (TAXA_004 BETWEEN 4400 AND 4499)
      THEN  A.CONC_100m3 END)),  0) AS gam_100M3,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 607
      THEN  A.CONC_100m3 END)),  0) AS evadnord_100M3,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 143
      THEN  A.CONC_100m3 END)),  0) AS calminor_100M3,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 100
      THEN  A.CONC_100m3 END)),  0) AS copepoda_100M3,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 157
      THEN  A.CONC_100m3 END)),  0) AS clauso,
   COALESCE((SUM(CASE   WHEN  (TAXA_004 BETWEEN 500 and 599) or (TAXA_004 BETWEEN 1000 AND 1099) OR (TAXA_004 BETWEEN 3100 AND 3299)
      THEN  A.CONC_100m3 END)),  0) AS dec_100M3,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 BETWEEN 2000 AND 2099
      THEN  A.CONC_100m3 END)),  0) AS euph_100M3,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 BETWEEN 3900 AND 3999
      THEN  A.CONC_100m3 END)),  0) AS prot_100M3,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 107
      THEN  A.CONC_100m3 END)),  0) AS acarlong_100M3,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 180
      THEN  A.CONC_100m3 END)),  0) AS euc_100M3,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 BETWEEN 1300 AND 1399
      THEN  A.CONC_100m3 END)),  0) AS pel_100M3,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 BETWEEN 2500 AND 2599
      THEN  A.CONC_100m3 END)),  0) AS poly_100M3,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 601
      THEN  A.CONC_100m3 END)),  0) AS podon_100M3,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 3500
      THEN  A.CONC_100m3 END)),  0) AS fish_100M3,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 BETWEEN 900 AND 949
      THEN  A.CONC_100m3 END)),  0) AS bry_100M3,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 4064
      THEN  A.CONC_100m3 END)),  0) AS fur_100M3,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 178
      THEN  A.CONC_100m3 END)),  0) AS calspp_100M3,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 191
      THEN  A.CONC_100m3 END)),  0) AS oncaea_100M3,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 4045
      THEN  A.CONC_100m3 END)),  0) AS cory_100M3,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 BETWEEN 3600 AND 3699
      THEN  A.CONC_100m3 END)),  0) AS ost_100M3,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 153
      THEN  A.CONC_100m3 END)),  0) AS tstyl_100M3,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 114
      THEN  A.CONC_100m3 END)),  0) AS oithspin_100M3,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 BETWEEN 2800 AND 2899
      THEN  A.CONC_100m3 END)),  0) AS mysids_100M3,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 4059
      THEN  A.CONC_100m3 END)),  0) AS temspp_100M3,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 108
      THEN  A.CONC_100m3 END)),  0) AS tort_100M3,
   COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 4118
      THEN  A.CONC_100m3 END)),  0) AS paraspp_100M3,
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        COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 1200
THEN  A.CONC_100m3 END)),  0) AS scyphz_100M3,
        COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 1250
THEN  A.CONC_100m3 END)),  0) AS anthz_100M3,
        COALESCE((SUM(CASE   WHEN  A.TAXA_004 BETWEEN 1800 AND 1899
THEN  A.CONC_100m3 END)),  0) AS siph_100M3,
        COALESCE((SUM(CASE   WHEN  A.TAXA_004 BETWEEN 2300 AND 2249
THEN  A.CONC_100m3 END)),  0) AS hydrom_100M3,
        COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 2350
THEN  A.CONC_100m3 END)),  0) AS coel_100M3,
        COALESCE((SUM(CASE   WHEN  A.TAXA_004 BETWEEN 2700 AND 2790
THEN  A.CONC_100m3 END)),  0) AS ctenop_100M3,
        COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 2000
THEN  A.CONC_100M3 END)),  0) AS euph1_100M3,
        COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 2001
THEN  A.CONC_100M3 END)),  0) AS thysin_100M3,
        COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 2002
THEN  A.CONC_100M3 END)),  0) AS megan_100M3,
        COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 2003
THEN  A.CONC_100M3 END)),  0) AS thysra_100M3,
        COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 2004
THEN  A.CONC_100M3 END)),  0) AS thyslo_100M3,
        COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 2005
THEN  A.CONC_100M3 END)),  0) AS eupham_100M3,
        COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 2006
THEN  A.CONC_100M3 END)),  0) AS euphkr_100M3,
        COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 2010
THEN  A.CONC_100M3 END)),  0) AS euphspp_100M3,
        COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 2012
THEN  A.CONC_100M3 END)),  0) AS thysgr_100M3,
        COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 2013
THEN  A.CONC_100M3 END)),  0) AS nemaspp_100M3,
        COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 2015
THEN  A.CONC_100M3 END)),  0) AS stylspp_100M3,
        COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 2017
THEN  A.CONC_100M3 END)),  0) AS stylel_100M3,
        COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 2019
THEN  A.CONC_100M3 END)),  0) AS nemame_100M3,
        COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 2020
THEN  A.CONC_100M3 END)),  0) AS thysspp_100M3,
        COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 2024
THEN  A.CONC_100M3 END)),  0) AS shysac_100M3,
        COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 2027
THEN  A.CONC_100M3 END)),  0) AS thypsp_100M3,
        COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 2029
THEN  A.CONC_100M3 END)),  0) AS nemabo_100M3,
        COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 300
THEN  A.CONC_100M3 END)),  0) AS thecos_100M3,
        COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 301
THEN  A.CONC_100M3 END)),  0) AS spirre_100M3,
        COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 302
THEN  A.CONC_100M3 END)),  0) AS spirhe_100M3,
        COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 303
THEN  A.CONC_100M3 END)),  0) AS spirin_100M3,
        COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 304
THEN  A.CONC_100M3 END)),  0) AS spirtr_100M3,
        COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 305
THEN  A.CONC_100M3 END)),  0) AS spirspp_100M3,
        COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 306
THEN  A.CONC_100M3 END)),  0) AS clispp_100M3,
        COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 307
THEN  A.CONC_100M3 END)),  0) AS crevir_100M3,
        COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 308
THEN  A.CONC_100M3 END)),  0) AS diatri_100M3,
        COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 309
THEN  A.CONC_100M3 END)),  0) AS clicus_100M3,
        COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 310
THEN  A.CONC_100M3 END)),  0) AS clipyr_100M3,
        COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 311
THEN  A.CONC_100M3 END)),  0) AS cavunc_100M3,
        COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 312
     THEN A.CONC_100M3 END)),  0) AS cavoli_100M3,
THEN  A.CONC_100M3 END)),  0) AS cavinf_100M3,
        COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 313
THEN  A.CONC_100M3 END)),  0) AS cavlon_100M3,
        COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 314
THEN  A.CONC_100M3 END)),  0) AS stysub_100M3,
        COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 315
THEN  A.CONC_100M3 END)),  0) AS spirbu_100M3,
        COALESCE((SUM(CASE   WHEN  A.TAXA_004 = 317
THEN  A.CONC_100M3 END)),  0) AS crespp_100M3,


        COALESCE((SUM(CASE   WHEN  TAXA_004 = 320
THEN  CONC_100M3 END)),  0) AS cavspp_100M3,
        COALESCE((SUM(CASE   WHEN  TAXA_004 = 321
THEN  CONC_100M3 END)),  0) AS cavoli_100M3x,
        COALESCE((SUM(CASE   WHEN  TAXA_004 = 350
THEN  CONC_100M3 END)),  0) AS gymnos_100M3,
        COALESCE((SUM(CASE   WHEN  TAXA_004 = 352
THEN  CONC_100M3 END)),  0) AS pnespp_100M3,
        COALESCE((SUM(CASE   WHEN  TAXA_004 = 353
THEN  CONC_100M3 END)),  0) AS paedol_100M3,
        COALESCE((SUM(CASE   WHEN  TAXA_004 = 354
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                   THEN  CONC_100M3 END)),  0) AS clilim_100M3,
                   COALESCE((SUM(CASE   WHEN  TAXA_004 = 355
            THEN  CONC_100M3 END)),  0) AS pnepau_100M3
from  v_event_net_zplk_zsum a LEFT OUTER JOIN v_zoo_rpt_excludes b ON (a.cruise_name = b.cruise_name and a.station = b.station)
            LEFT OUTER JOIN OCTEMPS_XREF C ON (a.event_pk_seq = c.event_pk_seq)
WHERE b.cruise_name is null and TOW_PROTOCOL = 'STD' and (substr(a.cruise_name,3,2) < 19 OR substr(a.cruise_name,3,2) > 20)
group by A.EVENT_PK_SEQ, A.NET_pk_seq, a.cruise_name, a.station, a.gear, a.latitude, a.longitude, a.event_date, a.BOTTOM_DEPTH_MAX_WIRE_OUT,
a.BIO_VOLUME_ZOO_1M2, a.BIO_VOLUME_ZOO_100M3, c.sfc_temp, c.sfc_salt, c.btm_temp, c.btm_salt
order by a.cruise_name, a.station;


---
DROP TABLE RPT_ICH;
CREATE TABLE RPT_ICH AS
select A.EVENT_PK_SEQ, A.NET_PK_SEQ, a.CRUISE_NAME, a.STATION, a.gear as Ich_Gear, a.LATITUDE AS LAT, a.LONGITUDE AS LON, TO_CHAR (a.EVENT_DATE, 'DD-MON-YYYY') AS "DATE",
 TO_CHAR (a.EVENT_DATE, 'HH24:MI') AS TIME, a.BOTTOM_DEPTH_MAX_WIRE_OUT AS DEPTH,
c.sfc_temp, c.sfc_salt, c.btm_temp, c.btm_salt,
            COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 100000014
                   THEN  a.ABUNDANCE END)),  0) AS Nofish_10M2,
    COALESCE((SUM(CASE   WHEN  TAXA_ICHTHYO IN (121050300, 121050304)
        THEN  a.ABUNDANCE END)),  0) AS Bretyr_10M2,
            COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 121050601
                   THEN  a.ABUNDANCE END)),  0) AS Cluhar_10M2,
            COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 121140200
                   THEN  a.ABUNDANCE END)),  0) AS Cycspp_10M2,
            COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 132080200
                   THEN  a.ABUNDANCE END)),  0) AS Diaspp_10M2,
            COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 132080902
                   THEN  a.ABUNDANCE END)),  0) AS Cermad_10M2,
    COALESCE((SUM(CASE   WHEN  TAXA_ICHTHYO IN (132082200, 132082202, 132082203)
        THEN  a.ABUNDANCE END)),  0) AS Benspp_10M2,
    COALESCE((SUM(CASE   WHEN  TAXA_ICHTHYO IN (148010100, 148010105, 148010106, 148010107, 200000043)
        THEN  a.ABUNDANCE END)),  0) AS Urospp_10M2,
            COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 148010201
                   THEN  a.ABUNDANCE END)),  0) AS Enccim_10M2,
            COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 148010301
                   THEN  a.ABUNDANCE END)),  0) AS Gadmor_10M2,
            COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 148010401
                   THEN  a.ABUNDANCE END)),  0) AS Melaeg_10M2,
            COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 148010501
                   THEN  a.ABUNDANCE END)),  0) AS Polvir_10M2,
            COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 148041401
                   THEN  a.ABUNDANCE END)),  0) AS Meralb_10M2,
            COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 148041403
                   THEN  a.ABUNDANCE END)),  0) AS Merbil_10M2,
    COALESCE((SUM(CASE   WHEN  TAXA_ICHTHYO IN (170024806, 200000013)
        THEN  a.ABUNDANCE END)),  0) AS Centstr_10M2,
            COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 170080101
                   THEN  a.ABUNDANCE END)),  0) AS Pomsal_10M2,
            COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 170200907
                   THEN  a.ABUNDANCE END)),  0) AS Cynreg_10M2,
            COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 170201701
                   THEN  a.ABUNDANCE END)),  0) AS Leixan_10M2,
            COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 170201800
                   THEN  a.ABUNDANCE END)),  0) AS Menspp_10M2,
            COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 170201902
                   THEN  a.ABUNDANCE END)),  0) AS Micund_10M2,
            COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 170280101
                   THEN  a.ABUNDANCE END)),  0) AS Tauads_10M2,
            COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 170282601
                   THEN  a.ABUNDANCE END)),  0) AS Tauoni_10M2,
            COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 170440100
                   THEN  a.ABUNDANCE END)),  0) AS Auxspp_10M2,
            COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 170440604
                   THEN  a.ABUNDANCE END)),  0) AS Scosco_10M2,
    COALESCE((SUM(CASE   WHEN  TAXA_ICHTHYO IN (170511100, 170511101, 170511103, 170511104, 200000036)
        THEN  a.ABUNDANCE END)),  0) AS Pepspp_10M2,
    COALESCE((SUM(CASE   WHEN  TAXA_ICHTHYO IN (170560200, 170560201, 170560202, 200000002, 200000008)
        THEN  a.ABUNDANCE END)),  0) AS Sebspp_10M2,
    COALESCE((SUM(CASE   WHEN  TAXA_ICHTHYO IN (170570500, 170570503, 170570505)
        THEN  a.ABUNDANCE END)),  0) AS Prispp_10M2,
            COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 170600501
                   THEN  a.ABUNDANCE END)),  0) AS Myoaen_10M2,
            COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 170600502
                   THEN  a.ABUNDANCE END)),  0) AS Myooct_10M2,
            COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 170630100
                   THEN  a.ABUNDANCE END)),  0) AS Ammspp_10M2,
            COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 170640102
                   THEN  a.ABUNDANCE END)),  0) AS Phogun_10M2,
            COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 170650101
                   THEN  a.ABUNDANCE END)),  0) AS Ulvsub_10M2,
            COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 170660100
                   THEN  a.ABUNDANCE END)),  0) AS Anaspp_10M2,
            COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 183010301
                   THEN  a.ABUNDANCE END)),  0) AS Citarc_10M2,
    COALESCE((SUM(CASE   WHEN  TAXA_ICHTHYO IN (183010602, 183010603, 183010605)
        THEN  a.ABUNDANCE END)),  0) AS Etrspp_10M2,
            COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 183011000
                   THEN  a.ABUNDANCE END)),  0) AS Syaspp_10M2,
            COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 183012200
                   THEN  a.ABUNDANCE END)),  0) AS Botspp_10M2,
            COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 183012301
                   THEN  a.ABUNDANCE END)),  0) AS Hipobl_10M2,
            COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 183012403
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                THEN a.ABUNDANCE END)), 0) AS Parden_10M2,
        COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 183020101
                THEN a.ABUNDANCE END)), 0) AS Pseame_10M2,
        COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 183020201
                THEN a.ABUNDANCE END)), 0) AS Hippla_10M2,
        COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 183020301
                THEN a.ABUNDANCE END)), 0) AS Limfer_10M2,
        COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 183021301
                THEN a.ABUNDANCE END)), 0) AS Glycyn_10M2,
        COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 183030101
                THEN a.ABUNDANCE END)), 0) AS Scoaqu_10M2,
        COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 183050700
                THEN a.ABUNDANCE END)), 0) AS Sypspp_10M2,
        COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 195010202
                THEN a.ABUNDANCE END)), 0) AS Lopame_10M2,

        COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 100000014
                THEN a.CONC_100M3 END)), 0) AS Nofish_100M3,
  COALESCE((SUM(CASE   WHEN TAXA_ICHTHYO IN (121050300, 121050304)
     THEN a.CONC_100M3 END)), 0) AS Bretyr_100M3,
        COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 121050601
                THEN a.CONC_100M3 END)), 0) AS Cluhar_100M3,
        COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 121140200
                THEN a.CONC_100M3 END)), 0) AS Cycspp_100M3,
        COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 132080200
                THEN a.CONC_100M3 END)), 0) AS Diaspp_100M3,
        COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 132080902
                THEN a.CONC_100M3 END)), 0) AS Cermad_100M3,
  COALESCE((SUM(CASE   WHEN TAXA_ICHTHYO IN (132082200, 132082202, 132082203)
     THEN a.CONC_100M3 END)), 0) AS Benspp_100M3,
  COALESCE((SUM(CASE   WHEN TAXA_ICHTHYO IN (148010100, 148010105, 148010106, 148010107, 200000043)
     THEN a.CONC_100M3 END)), 0) AS Urospp_100M3,
        COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 148010201
                THEN a.CONC_100M3 END)), 0) AS Enccim_100M3,
        COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 148010301
                THEN a.CONC_100M3 END)), 0) AS Gadmor_100M3,
        COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 148010401
                THEN a.CONC_100M3 END)), 0) AS Melaeg_100M3,
        COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 148010501
                THEN a.CONC_100M3 END)), 0) AS Polvir_100M3,
        COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 148041401
                THEN a.CONC_100M3 END)), 0) AS Meralb_100M3,
        COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 148041403
                THEN a.CONC_100M3 END)), 0) AS Merbil_100M3,
  COALESCE((SUM(CASE   WHEN TAXA_ICHTHYO IN (170024806, 200000013)
     THEN a.CONC_100M3 END)), 0) AS Centstr_100M3,
        COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 170080101
                THEN a.CONC_100M3 END)), 0) AS Pomsal_100M3,
        COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 170200907
                THEN a.CONC_100M3 END)), 0) AS Cynreg_100M3,
        COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 170201701
                THEN a.CONC_100M3 END)), 0) AS Leixan_100M3,
        COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 170201800
                THEN a.CONC_100M3 END)), 0) AS Menspp_100M3,
        COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 170201902
                THEN a.CONC_100M3 END)), 0) AS Micund_100M3,
        COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 170280101
                THEN a.CONC_100M3 END)), 0) AS Tauads_100M3,
        COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 170282601
                THEN a.CONC_100M3 END)), 0) AS Tauoni_100M3,
        COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 170440100
                THEN a.CONC_100M3 END)), 0) AS Auxspp_100M3,
        COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 170440604
                THEN a.CONC_100M3 END)), 0) AS Scosco_100M3,
  COALESCE((SUM(CASE   WHEN TAXA_ICHTHYO IN (170511100, 170511101, 170511103, 170511104, 200000036)
     THEN a.CONC_100M3 END)), 0) AS Pepspp_100M3,
  COALESCE((SUM(CASE   WHEN TAXA_ICHTHYO IN (170560200, 170560201, 170560202, 200000002, 200000008)
     THEN a.CONC_100M3 END)), 0) AS Sebspp_100M3,
  COALESCE((SUM(CASE   WHEN TAXA_ICHTHYO IN (170570500, 170570503, 170570505)
     THEN a.CONC_100M3 END)), 0) AS Prispp_100M3,
        COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 170600501
                THEN a.CONC_100M3 END)), 0) AS Myoaen_100M3,
        COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 170600502
                THEN a.CONC_100M3 END)), 0) AS Myooct_100M3,
        COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 170630100
                THEN a.CONC_100M3 END)), 0) AS Ammspp_100M3,
        COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 170640102
                THEN a.CONC_100M3 END)), 0) AS Phogun_100M3,
        COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 170650101
                THEN a.CONC_100M3 END)), 0) AS Ulvsub_100M3,
        COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 170660100
                THEN a.CONC_100M3 END)), 0) AS Anaspp_100M3,
        COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 183010301
                THEN a.CONC_100M3 END)), 0) AS Citarc_100M3,
  COALESCE((SUM(CASE   WHEN TAXA_ICHTHYO IN (183010602, 183010603, 183010605)
     THEN a.CONC_100M3 END)), 0) AS Etrspp_100M3,
        COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 183011000
                THEN a.CONC_100M3 END)), 0) AS Syaspp_100M3,
        COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 183012200
                THEN a.CONC_100M3 END)), 0) AS Botspp_100M3,
        COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 183012301
                THEN a.CONC_100M3 END)), 0) AS Hipobl_100M3,
        COALESCE((SUM(CASE TAXA_ICHTHYO    WHEN 183012403
```

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                     THEN  a.CONC_100M3 END)),  0) AS Parden_100M3,
         COALESCE((SUM(CASE  TAXA_ICHTHYO    WHEN 183020101
                     THEN  a.CONC_100M3 END)),  0) AS Pseame_100M3,
         COALESCE((SUM(CASE  TAXA_ICHTHYO    WHEN 183020201
                     THEN  a.CONC_100M3 END)),  0) AS Hippla_100M3,
         COALESCE((SUM(CASE  TAXA_ICHTHYO    WHEN 183020301
                     THEN  a.CONC_100M3 END)),  0) AS Limfer_100M3,
         COALESCE((SUM(CASE  TAXA_ICHTHYO    WHEN 183021301
                     THEN  a.CONC_100M3 END)),  0) AS Glycyn_100M3,
         COALESCE((SUM(CASE  TAXA_ICHTHYO    WHEN 183030101
                     THEN  a.CONC_100M3 END)),  0) AS Scoaqu_100M3,
         COALESCE((SUM(CASE  TAXA_ICHTHYO    WHEN 183050700
                     THEN  a.CONC_100M3 END)),  0) AS Sypspp_100M3,
         COALESCE((SUM(CASE  TAXA_ICHTHYO    WHEN 195010202
                     THEN  a.CONC_100M3 END)),  0) AS Lopame_100M3
from  v_Event_Net_Iplk a LEFT OUTER JOIN v_zoo_rpt_excludes b ON (a.cruise_name = b.cruise_name and a.station = b.station)
         LEFT OUTER JOIN OCTEMPS_XREF C ON (a.event_pk_seq = c.event_pk_seq)
WHERE b.cruise_name is null and TOW_PROTOCOL = 'STD' and (substr(a.cruise_name,3,2) < 19 OR substr(a.cruise_name,3,2) > 20)
 AND ((SUBSTR(a.gear, 1, 3) = '6B3' AND (a.SAMPLING_PROGRAM <> 'MARMAP' AND a.SAMPLING_PROGRAM <> 'GLOBEC'))
 or (SUBSTR(a.gear, 1, 3) = '6B3' AND (a.SAMPLING_PROGRAM <> 'MARMAP' AND a.SAMPLING_PROGRAM <> 'GLOBEC'))
 or (SUBSTR(a.gear, 1, 3) = '6B3' AND a.SAMPLING_PROGRAM IS NULL)
 or (a.GEAR = '6B5' and a.SAMPLING_PROGRAM = 'MARMAP')
 or (a.GEAR = '6B5' and a.SAMPLING_PROGRAM = 'HSL')
 -- or (a.GEAR = '6B5' and a.SAMPLING_PROGRAM = 'ICNAF')  Removed per Harvey/David v3.1
 or ((a.GEAR= '6B3I' OR a.GEAR = '6B3')
         AND a.event_pk_seq in (select distinct b.event_pk_seq from v_event_net b
                 where b.sampling_program = 'GLOBEC') AND a.net_number = (select min(c.net_number)
                     from v_event_net c where a.cruise_name = c.cruise_name and a.station = c.station and (c.gear= '6B3I' OR c.gear= '6B3' )))
 )
group by A.EVENT_PK_SEQ, A.NET_PK_SEQ, a.cruise_name, a.station, a.gear, a.latitude, a.longitude, a.event_date, a.BOTTOM_DEPTH_MAX_WIRE_OUT,
 c.sfc_temp, c.sfc_salt, c.btm_temp, c.btm_salt
 order by a.cruise_name, a.station;

---
--CREATE VIEW v_RPT_ICH AS SELECT * FROM RPT_ICH ORDER BY 3, 4;
--CREATE VIEW v_RPT_ZOO AS SELECT * FROM RPT_ZOO ORDER BY 3, 4;

DROP TABLE RPT_COMBINED;
CREATE TABLE RPT_COMBINED AS
SELECT
     CASE WHEN A.EVENT_PK_SEQ IS NOT NULL THEN A.EVENT_PK_SEQ WHEN B.EVENT_PK_SEQ IS NOT NULL THEN B.EVENT_PK_SEQ END AS EVENT_PK_SEQ,
     CASE WHEN A.NET_PK_SEQ IS NOT NULL THEN A.NET_PK_SEQ WHEN B.NET_PK_SEQ IS NOT NULL THEN B.NET_PK_SEQ END AS NET_PK_SEQ,
     CASE WHEN A.CRUISE_NAME IS NOT NULL AND B.CRUISE_NAME IS NOT NULL THEN 'BOTH'
                     WHEN A.CRUISE_NAME IS NOT NULL THEN 'ZOO' WHEN B.CRUISE_NAME IS NOT NULL THEN 'ICH' END AS SOURCE,
     CASE WHEN A.CRUISE_NAME IS NOT NULL THEN A.CRUISE_NAME WHEN B.CRUISE_NAME IS NOT NULL THEN B.CRUISE_NAME END AS CRUISE_NAME,
     CASE WHEN A.STATION IS NOT NULL THEN A.STATION WHEN B.STATION IS NOT NULL THEN B.STATION END AS STATION,
             a.Zoo_Gear, B.ICH_GEAR,
             CASE WHEN A.LAT IS NOT NULL THEN A.LAT WHEN B.LAT IS NOT NULL THEN B.LAT END AS LAT,
     CASE WHEN A.LON IS NOT NULL THEN A.LON WHEN B.LON IS NOT NULL THEN B.LON END AS LON,
     CASE WHEN A."DATE" IS NOT NULL THEN A."DATE" WHEN B."DATE" IS NOT NULL THEN B."DATE" END AS "DATE",
     CASE WHEN A.TIME IS NOT NULL THEN A.TIME WHEN B.TIME IS NOT NULL THEN B.TIME END AS TIME,
     CASE WHEN A.DEPTH IS NOT NULL THEN A.DEPTH ELSE B.DEPTH END AS DEPTH,
     CASE WHEN A.SFC_TEMP IS NOT NULL THEN A.SFC_TEMP ELSE B.SFC_TEMP END AS SFC_TEMP,
     CASE WHEN A.SFC_SALT IS NOT NULL THEN A.SFC_SALT ELSE B.SFC_SALT END AS SFC_SALT,
     CASE WHEN A.BTM_TEMP IS NOT NULL THEN A.BTM_TEMP ELSE B.BTM_TEMP END AS BTM_TEMP,
     CASE WHEN A.BTM_SALT IS NOT NULL THEN A.BTM_SALT ELSE B.BTM_SALT END AS BTM_SALT,
     A.VOLUME_1M2,
     A.CTYP_10M2,
     A.CALFIN_10M2,
     A.PSEUDO_10M2,
     A.PENILIA_10M2,
     A.TLONG_10M2,
     A.CHAM_10M2,
     A.ECHINO_10M2,
     A.LARVACEANS_10M2,
     A.PARA_10M2,
     A.GAS_10M2,
     A.ACARSPP_10M2,
     A.MLUCENS_10M2,
     A.EVADNESPP_10M2,
     A.SALPS_10M2,
     A.OITHSPP_10M2,
     A.CIRR_10M2,
     A.CHAETO_10M2,
     A.HYPER_10M2,
     A.GAM_10M2,
     A.EVADNORD_10M2,
     A.CALMINOR_10M2,
     A.COPEPODA_10M2,
     A.CLAUSO_10M2,
     A.DEC_10M2,
     A.EUPH_10M2,
     A.PROT_10M2,
     A.ACARLONG_10M2,
     A.EUC_10M2,
     A.PEL_10M2,
     A.POLY_10M2,
     A.PODON_10M2,
     A.FISH_10M2,
     A.BRY_10M2,
     A.FUR_10M2,
     A.CALSPP_10M2,
     A.ONCAEA_10M2,
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A.CORY_10M2,
A.OST_10M2,
A.TSTYL_10M2,
A.OITHSPIN_10M2,
A.MYSIDS_10M2,
A.TEMSPP_10M2,
A.TORT_10M2,
A.PARASPP_10M2,
A.SCYPHZ_10M2,
A.ANTHZ_10M2,
A.SIPH_10M2,
A.HYDROM_10M2,
A.COEL_10M2,
A.CTENOP_10M2,
A.EUPH1_10M2,
A.THYSIN_10M2,
A.MEGAN_10M2,
A.THYSRA_10M2,
A.THYSLO_10M2,
A.EUPHAM_10M2,
A.EUPHKR_10M2,
A.EUPHSPP_10M2,
A.THYSGR_10M2,
A.NEMASPP_10M2,
A.STYLSPP_10M2,
A.STYLEL_10M2,
A.NEMAME_10M2,
A.THYSSPP_10M2,
A.SHYSAC_10M2,
A.THYPSP_10M2,
A.NEMABO_10M2,
A.THECOS_10M2,
A.SPIRRE_10M2,
A.SPIRHE_10M2,
A.SPIRIN_10M2,
A.SPIRTR_10M2,
A.SPIRSPP_10M2,
A.CLISPP_10M2,
A.CREVIR_10M2,
A.DIATRI_10M2,
A.CLICUS_10M2,
A.CLIPYR_10M2,
A.CAVUNC_10M2,
--   A.CAVOLI_10M2,
A.CAVINF_10M2,
A.CAVLON_10M2,
A.STYSUB_10M2,
A.SPIRBU_10M2,
A.CRESPP_10M2,
       --
       A.CAVSPP_10M2,
       A.CAVOLI_10M2x,
       A.GYMNOS_10M2,
       A.PNESPP_10M2,
       A.PAEDOL_10M2,
       A.CLILIM_10M2,
       A.PNEPAU_10M2,
       --
A.VOLUME_100M3,
A.CTYP_100M3,
A.CALFIN_100M3,
A.PSEUDO_100M3,
A.PENILIA_100M3,
A.TLONG_100M3,
A.CHAM_100M3,
A.ECHINO_100M3,
A.LARVACEANS_100M3,
A.PARA_100M3,
A.GAS_100M3,
A.ACARSPP_100M3,
A.MLUCENS_100M3,
A.EVADNESPP_100M3,
A.SALPS_100M3,
A.OITHSPP_100M3,
A.CIRR_100M3,
A.CHAETO_100M3,
A.HYPER_100M3,
A.GAM_100M3,
A.EVADNORD_100M3,
A.CALMINOR_100M3,
A.COPEPODA_100M3,
A.CLAUSO,
A.DEC_100M3,
A.EUPH_100M3,
A.PROT_100M3,
A.ACARLONG_100M3,
A.EUC_100M3,
A.PEL_100M3,
A.POLY_100M3,
A.PODON_100M3,
A.FISH_100M3,
A.BRY_100M3,
A.FUR_100M3,

A.CALSPP_100M3,
A.ONCAEA_100M3,
A.CORY_100M3,
A.OST_100M3,
A.TSTYL_100M3,
A.OITHSPIN_100M3,
A.MYSIDS_100M3,
A.TEMSPP_100M3,
A.TORT_100M3,
A.PARASPP_100M3,
A.SCYPHZ_100M3,
A.ANTHZ_100M3,
A.SIPH_100M3,
A.HYDROM_100M3,
A.COEL_100M3,
A.CTENOP_100M3,
A.EUPH1_100M3,
A.THYSIN_100M3,
A.MEGAN_100M3,
A.THYSRA_100M3,
A.THYSLO_100M3,
A.EUPHAM_100M3,
A.EUPHKR_100M3,
A.EUPHSPP_100M3,
A.THYSGR_100M3,
A.NEMASPP_100M3,
A.STYLSPP_100M3,
A.STYLEL_100M3,
A.NEMAME_100M3,
A.THYSSPP_100M3,
A.SHYSAC_100M3,
A.THYPSP_100M3,
A.NEMABO_100M3,
A.THECOS_100M3,
A.SPIRRE_100M3,
A.SPIRHE_100M3,
A.SPIRIN_100M3,
A.SPIRTR_100M3,
A.SPIRSPP_100M3,
A.CLISPP_100M3,
A.CREVIR_100M3,
A.DIATRI_100M3,
A.CLICUS_100M3,
A.CLIPYR_100M3,
A.CAVUNC_100M3,
-- A.CAVOLI_100M3,
A.CAVINF_100M3,
A.CAVLON_100M3,
A.STYSUB_100M3,
A.SPIRBU_100M3,
A.CRESPP_100M3,
--
A.CAVSPP_100M3,
A.CAVOLI_100M3x,
A.GYMNOS_100M3,
A.PNESPP_100M3,
A.PAEDOL_100M3,
A.CLILIM_100M3,
A.PNEPAU_100M3,
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B.NOFISH_10M2,
B.BRETYR_10M2,
B.CLUHAR_10M2,
B.CYCSPP_10M2,
B.DIASPP_10M2,
B.CERMAD_10M2,
B.BENSPP_10M2,
B.UROSPP_10M2,
B.ENCCIM_10M2,
B.GADMOR_10M2,
B.MELAEG_10M2,
B.POLVIR_10M2,
B.MERALB_10M2,
B.MERBIL_10M2,
B.CENTSTR_10M2,
B.POMSAL_10M2,
B.CYNREG_10M2,
B.LEIXAN_10M2,
B.MENSPP_10M2,
B.MICUND_10M2,
B.TAUADS_10M2,
B.TAUONI_10M2,
B.AUXSPP_10M2,
B.SCOSCO_10M2,
B.PEPSPP_10M2,
B.SEBSPP_10M2,
B.PRISPP_10M2,
B.MYOAEN_10M2,
B.MYOOCT_10M2,
B.AMMSPP_10M2,
B.PHOGUN_10M2,
B.ULVSUB_10M2,

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        B.ANASPP_10M2,
        B.CITARC_10M2,
        B.ETRSPP_10M2,
        B.SYASPP_10M2,
        B.BOTSPP_10M2,
        B.HIPOBL_10M2,
        B.PARDEN_10M2,
        B.PSEAME_10M2,
        B.HIPPLA_10M2,
        B.LIMFER_10M2,
        B.GLYCYN_10M2,
        B.SCOAQU_10M2,
        B.SYPSPP_10M2,
        B.LOPAME_10M2,
        B.NOFISH_100M3,
        B.BRETYR_100M3,
        B.CLUHAR_100M3,
        B.CYCSPP_100M3,
        B.DIASPP_100M3,
        B.CERMAD_100M3,
        B.BENSPP_100M3,
        B.UROSPP_100M3,
        B.ENCCIM_100M3,
        B.GADMOR_100M3,
        B.MELAEG_100M3,
        B.POLVIR_100M3,
        B.MERALB_100M3,
        B.MERBIL_100M3,
        B.CENTSTR_100M3,
        B.POMSAL_100M3,
        B.CYNREG_100M3,
        B.LEIXAN_100M3,
        B.MENSPP_100M3,
        B.MICUND_100M3,
        B.TAUADS_100M3,
        B.TAUONI_100M3,
        B.AUXSPP_100M3,
        B.SCOSCO_100M3,
        B.PEPSPP_100M3,
        B.SEBSPP_100M3,
        B.PRISPP_100M3,
        B.MYOAEN_100M3,
        B.MYOOCT_100M3,
        B.AMMSPP_100M3,
        B.PHOGUN_100M3,
        B.ULVSUB_100M3,
        B.ANASPP_100M3,
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        B.ETRSPP_100M3,
        B.SYASPP_100M3,
        B.BOTSPP_100M3,
        B.HIPOBL_100M3,
        B.PARDEN_100M3,
        B.PSEAME_100M3,
        B.HIPPLA_100M3,
        B.LIMFER_100M3,
        B.GLYCYN_100M3,
        B.SCOAQU_100M3,
        B.SYPSPP_100M3,
        B.LOPAME_100M3
FROM RPT_ZOO A FULL OUTER JOIN RPT_ICH B ON A.EVENT_PK_SEQ = B.EVENT_PK_SEQ
        ORDER BY 2, 3;


        select * from rpt_combined order by 3,4
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