

H-3. group_parse, del_parse

1.0 General Information

1.1 Application Description

This program populates the *cgroup*, *fgroup*, and *fgroupseg* database tables from NWSRFS punches. If the tables already have data in them, the user will have the choice of either unloading and deleting all of the rows, or simply updating the tables. The main program is written in ecpg/C and the unload/delete function is written in Tcl.

1.2 Design Considerations

The program parses the needed information from NWSRFS fcinit punches of carryover groups and forecast groups. Attachment A contains samples of these punch files. See NWSRFS User Documentation for more information. See Attachment B for a simplified (procedural?) flow chart.

The *cgroup_abbr* column in the *cgroup* table is only populated if the “cgroupid” contains an underscore ('_'). If there is an underscore, the character after the underscore is used as the abbreviation (i.e. *cgroupid*=CBRFC_F; *cgroup_abbr*=F). It is ok not to have this.

1.3 Enhancements/Bug Fixes/Changes

Build OB7.2

This application was updated to take into account the change in the version of Tcl/Tk, the upgrade of the OS in ob7.2, and the change in RDBMS from Informix to Postgres. Documentation was updated to reflect this change.

2.0 Configuration Information

This program uses the following apps_default tokens:

adb_name	archive database name
adb_dir	archive base directory

A log file is written to \$(adb_dir)/logs/nwsrfs/group_parse.log

The unload files for the database tables are created in the directory \$(adb_dir)/data/nwsrfs. Names correspond to each of the database tables and are date stamped.

The input files are expected to be in the directory `$(adb_dir)/data/nwsrfs`.

3.0 User How-To

This application is not available via arcmenu; it can only be run at the command line. The first step is to create the punch files of carryover groups and forecast groups that will be used as input to the program (see NWSRFS User Documentation for help with this). The punch of the carryover groups needs to be named **cg.pun** and placed in `$(adb_dir)/data/nwsrfs`. This file should contain all of the defined carryover groups. The punch of the forecast groups needs to be divided into files by carryover group with the files named **cgid.pun**. For example, the sample forecast group punch file in Attachment A would be named `cbrfc_f.pun` and placed in `$(adb_dir)/data/nwsrfs`.

The program can be run on the command line by simply typing `group_parse`. The first thing the program does is to check whether the `cgroup`, `fgroup`, and `fgroupseg` tables are empty. If they are not empty it will ask the user to choose one of the following:

1. Unload and delete all rows before continuing
2. Continue and just add to/update current rows
3. Quit

If the user chooses option 1 the Tcl program `group_del` will be run, unload files will be created as described in the Configuration Information above and the tables will be emptied.

4.0 Troubleshooting Information

A log file is created in `$(adb_dir)/logs/nwsrfs`. If the logfile information does not help resolve the problem, contact the RFC Support Group.

5.0 References

Archive Database data dictionary
NWSRFS User Documentation

Attachment A Punch files

CARRYOVER GROUP PUNCH

PUNCHCG
ALL
END

```

$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$
$
$          THIS PUNCH IS GENERATED BY COMMAND PUNCHCG          $
$          FOR CARRYOVER GROUP DEFINITION                        $
$                                                                $
$          DATE:  2/12/2002                                     $
$                                                                $
$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$
CGDEF
ID CBRFC_F
TITLE 'CBRFC'
FG  GN_F    SJ_F    UC_F    GB_F    LC_F    SV_F    GI_F
DATE 02070212Z 02040212Z 02050212Z 02100212Z 02090212Z &
      02110212Z 02060212Z 02120212Z 02030212Z 02080212Z
END

```

FORECAST GROUP PUNCH

PUNCHFG
GN_F SJ_F UC_F GB_F LC_F SV_F GI_F
END

```

$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$
$
$          THIS PUNCH IS GENERATED BY COMMAND PUNCHFG          $
$          FOR FORECAST GROUP DEFINITION                        $
$                                                                $
$          DATE:  2/12/2002                                     $
$                                                                $
$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$
$
$  NORMAL FORECAST GROUP DEFINITIONS
$
FGDEF
ID GN_F
TITLE 'HRLY GREEN RIVER SEG'
SEGS WBRW4H_F BPNW4H_F LABW4L_F FCHW4H_F GBRW4R_F GBFW4O_F BSRW4H_F &
      BIGW4R_F BIGW4O_F EDNW4L_F GRRW4L_F HMF4W4H_F VIVW4L_F VIVW4O_F &
      BNRU1H_F MCWW4R_F MCWW4O_F SLRW4H_F SFRW4O_F LTAW4L_F HFMW4H_F &
      GRNU1L_F GRZU1O_F FISC2H_F STMC2L_F EKRC2H_F CGGC2L_F MBLC2L_F &
      LSRC2H_F SLFC2H_F DIXW4L_F LILC2L_F YDLC2L_F JESU1L_F NFBC2H_F &
      WRMC2L_F WHIC2L_F WHBC2L_F WATU1L_F STIU1H_F STIU1O_F CRUU1H_F
ID SJ_F
TITLE 'HRLY SAN JUAN SEGS'
SEGS PSPC2H_F SJCC2L_F PIDC2H_F VCRC2H_F LPVC2O_F LOSC2L_F NVRN5L_F &
      ARCN5O_F DRGC2H_F LEMC2H_F FRVC2O_F CDRC2L_F ARFN5L_F FRMN5L_F &
      LPHC2H_F LPSC2L_F LPFN5L_F SHRN5L_F MRTC2H_F SJFC2L_F MCEC2H_F &

```

```
CCMA3H_F BFFU1L_F
ID UC_F
TITLE 'HRLY UPPER COL SEGS '
SEGS WCRC2H_F WCKC20_F GBYC2H_F CBGC20_F FRWC2H_F CAWC2L_F WFLC2H_F &
WFC2L_F WFC20_F DIRC2H_F BLRC20_F GMRC2L_F BGMC20_F WORC2H_F &
MBWC20_F KRC2L_F PSBC2H_F RCAC2H_F RERC2H_F HMC2H_F HMC20_F &
HMSC2L_F CSSC2H_F GRVC2H_F EALC2L_F GPSC2L_F EGLC2L_F APNC2H_F &
RCYC2H_F FPTC2H_F RURC2L_F RUDC20_F GWSC2L_F GCOC2L_F WETC2H_F &
RRGC2H_F RRC20_F CAMC2L_F VEGC2H_F VEGC20_F PCCC2L_F CGYC2L_F &
TRAC2H_F TPIC2L_F TRBC20_F ALTC2L_F ALEC2H_F GUSC2L_F CRCC2H_F &
TOMC2L_F LFGC2H_F BMDC2L_F BMDC20_F MPSC2L_F MPSC20_F SJAC2H_F &
CMRC20_F CLSC2L_F CLSC20_F GEPC2R_F PRSC2H_F MDCC20_F SOMC2L_F &
SCCC2H_F DELC2L_F UCRC2H_F DCKC2H_F RBSC2L_F UNRC20_F CLOC2L_F &
DLAC2L_F GJNC2H_F DRRC2H_F DOLC2L_F LCCC2H_F MPH2L_F DRMC20_F &
DBDC2L_F SMPC2H_F SNMC2L_F SMUC2L_F DOLU1L_F CCUC2R_F CLRU1R_F &
CTRU1L_F GLDA3L_F
ID GB_F
TITLE 'HRLY GREAT BASIN SEG'
SEGS WOUU1H_F PVHU1L_F JRRU1R_F PRJU10_F DCRU1L_F PBDU10_F PPPU1L_F &
CASU1H_F SPLU1R_F AFPU1H_F UTLU1L_F UTLU10_F SSWU1L_F LCTU1H_F &
LCWU1R_F BCTU1H_F BIGU1R_F MILU1H_F JRSU1L_F SALU1H_F SALU10_F &
PRLU1R_F EMIU1H_F RBCU1H_F CCSU1H_F JORU1L_F OAWU1H_F RKUU1L_F &
WBWU10_F CIVU1H_F ECBU1L_F ECWU10_F CRAU1H_F CRDU10_F ECRU1H_F &
ECCU10_F GATU1L_F CSYU1H_F CSYU10_F PINU1L_F OPDU10_F WWPU1L_F &
BERU1H_F EVAW4L_F BEAW4L_F BRWU10_F PIXW4L_F BORW4H_F BRBW4L_F &
THOI1H_F STDI1L_F BLKI1H_F BLZI10_F BRAI1L_F BESI1L_F SPRI1L_F &
BEAI10_F ONRI1L_F BBOI10_F BIUI1L_F LGNU1H_F HRMU1H_F PRZU1H_F &
HLZU10_F CRCU1L_F BECU10_F BCNU1L_F GSLU1L_F HATU1H_H SEKU1L_H &
OCEU1H_H OCEU10_H SRKU1L_H PIUU1L_H MYSU10_H CCDU1H_H SGDU1L_H &
SRYU1L_H COAU1H_H BEVU1H_H
ID LC_F
TITLE 'LOWER COL: 1501-1503'
SEGS NFVU1H_H EFFU1H_H ESTU1L_H VIRU1L_H HURU1L_H STCU1H_H SCGU1L_H &
GUUU10_H SRSU1L_H FPWU1H_H VRBU1L_H VLTA3L_H ZUIN5H_H CRWA3H_H &
LCLA3H_H LYMA30_H LCZA3L_H ZIOA30_H LBZA3L_H SLLA3H_H SHLA30_H &
SSFA3L_H SSFA30_H SCSA3L_H WDRA3L_H PUCA3H_H LCJA3L_H LCOA3H_H &
CHWA3H_H CCWA3H_H LCWA3L_H JDWA3H_H POLA3H_H ORWA3H_H DINA3H_H &
MOEA3H_H CDBA3H_H CDBA30_H LCCA3L_H CLFA30_H PLFA3H_H CGCA3L_H &
KCKU1H_H SUPA3H_H CDCA3L_H GOWN2H_H LVCN2H_H SAHN2L_H SCCN2H_H &
FWDN2H_H FWN2L_H LWCN2L_H DCKN2H_H LVPN2L_H KIDN2L_H PITN2H_H &
LKSA3R_H BCBA3H_H WKPA3L_H SMBA3H_H ALMA3L_H BWAA30_H BWPA3R_F
ID SV_F
TITLE 'SALT & VERDE: 1506 '
SEGS BPPA3H_H BKFA3L_H EWFA3H_H WHTA3L_H CBEA3H_H SOWA3H_H CRZA3L_H &
SLCA3L_H OVGA3H_H CBCA3L_H CBQA3L_H CHRA3H_H PNLA3H_H SLRA3L_H &
TNRA3H_H RSVA3L_H RSVA30_H AJUA3L_H SMDA30_H VDPA3H_H VDCA3L_H &
OAKA3H_H OACA3L_H DBVA3H_H WBVA3H_H WCLA3H_H VCVA3L_H EVDA3H_H &
VDTA3L_H HORA3L_H HORA30_H BRTA3L_H VDBA30_H SYCA3H_F VDSA3L_F &
GRDA3R_F CAVA3H_F SLPA3L_F SFFA3R_F
ID GI_F
TITLE 'GILA: 1504,1505,1507'
SEGS GDCN5H_H GILN5L_H MCCN5H_H RGRN5L_H GVRN5L_H DUUA3L_H GCFA3L_H &
RSFN5H_H GSFN5L_H BLCA3H_H SFCA3L_H ECMA3H_H BNMA3H_H GLHA3L_H &
SSSA3H_H GLCA3L_H SNCA3H_H CLDA3L_H GCDA30_F SAPA3H_H SPTA3L_H &
SPBA3L_H SPRA3L_H ARVA3H_H SPAA3L_H GLKA3L_H GRMA3L_F SBCA3H_H &
TVCA3L_H RINA3H_H PNTA3H_H PWBA3L_H RILA3L_H RICA3L_H SCLA3H_H &
SCNA3L_H STBA3L_H SCCA3L_H TSCA3L_H CDOA3H_H CSCA3L_H AVCA3H_H &
ATPA3L_H BWTA3L_H SLVA3L_F AFMA3H_H AFRA3L_H LKPA3L_H LKPA30_H &
AFEA3L_F NWRA3H_F SCPA3H_F NWGA3L_F GRGA3L_F HAMA3H_F HSTA3L_F &
CSPA3H_F GGDA3L_F PRKA3R_F GPRA30_F GDTA3R_F GIDA3R_F
END
```

Attachment B Flow Chart

