VI.5.4-XNAV-PARM XNAV PARAMETER FILES

Program XNAV uses parameter files to set values for each user.

The files are stored in the directory defined by the Apps_default variable xnav_params.

The parameter files are:

- color_names
- colors.xnav
- exception_file
- ofs_datatypes
- pe_map
- precip.thresh
- states.fips
- town.dat
- town_zoom.dat

Program XNAV uses the values found in the files colors.xnav and precip.thresh if no similar (but hidden - i.e. '.' precedes the filename) files are found in the user's home directory.

color_names:

This file contains colors that can be used to display data.

Sample contents:

```
snow
GhostWhite
WhiteSmoke
gainsboro
FloralWhite
OldLace
linen
AntiqueWhite
PapayaWhip
.
.
.
Gray50
Gray55
Gray60
Gray66
Gray70
Gray76
Gray80
Gray86
Gray93
Gray98
```

colors.xnav:

This file contains the colors to be used to display data.

The **Colors Preferences** option allows users to select individual user colors and store them in a hidden file in their home directory ($HOME/.colors.xnav). Once a color name is selected, it takes effect immediately. The **Reload User Defaults** button will return to the initial colors. The **Save As User Defaults** button will write the colors to file $HOME/.colors.xnav.

Sample contents:

```
snow                # threshold 0
snow3               # threshold 1
snow4               # threshold 2
turquoise1          # threshold 3
turquoise4          # threshold 4
DarkOliveGreen1     # threshold 5
DarkOliveGreen4     # threshold 6
yellow2             # threshold 7
yellow4             # threshold 8
orange1             # threshold 9
firebrick1          # threshold 10
firebrick3          # threshold 11
firebrick4          # threshold 12
maroon1             # threshold 13
maroon3             # threshold 14
maroon4             # threshold 15
black               # background color
red                 # rfc boundary
yellow              # state boundaries
PaleVioletRed1      # county boundaries
PaleVioletRed4      # cwa boundaries
PaleGreen1          # basin boundaries
PaleGreen3          # forecast group boundaries
blue                # river boundaries
lavender            # towns
bisque              # hrap grid
MediumSpringGreen   # radar umbrellas
DeepSkyBlue         # precip data point
Gray66              # hydro data point
AntiqueWhite        # flight lines
```

exception_file:

This file contains pairs of OFS Rating Curve and Informix HB5 identifiers which should be associated if the first 5 characters of the Rating Curve identifier does not match the Informix HB5 identifier under which the stage data arrive.

Sample contents:

```
BBKN4RTN : BDKN4
BERNE    : BERP1
BLACKWLL : BKWN4
BLOM2POT : BNMW2
BLOOMSBG : BMBP1
BMDP1TLP : BMRP1
BOUNDBRK : BDKN4
BPPN6SUQ : BAIN6
BUCV2JMS : BNNV2
BUSP1KTL : WESP1
.
.
.
REDP1SCH : RDRP1
REMV2RAP : RENV2
RTDP1JUN : RTBP1
SAXP1JUN : SXTP1
SRDP1SRM : SMDP1
STANTON  : STTN4
STVP1FFS : SFFP1
TRNN4DEL : TREN4
WLNP1LGH : WNTP1
WTRP1PNE : WTVP1
```

ofs_datatypes:

This file contains a list of OFS Processed Data Base data types that are to be displayed in the OFS PRDTS Data display window.

The format of the file is:

```
dtype1 wtype1
dtype2 wtype2
  .
  .
dtypeN wtypeN
```

where dtype is the OFS Processed Data Base data type
wtype is the display type indicator:
0 = show in Single Point window
1 = show in the Areal (Basin) window

If no time series are defined for the data type, the data type does not appear in the display type window.

Sample contents:

```
AESC 1
AIAI 1
AEIS 1
APIC 1
APIS 1
AQME 0
ATI  1
BFR  0
CSTO 0
DFAC 1
DQIE 0
DQIN 0
DQME 0
DQMP 0
FBEL 0
FEIX 1
FGDP 0
FGIX 1
FMAP 1
GATE 0
GCS  0
GTCS 0
GWRO 1
HDAT 0
ICET 0
INFW 1
KP   1
LAKH 0
LELV 0
MAP  1
MAPE 1
MAPG 1
MAPI 1
MAPX 1
MARO 1
MAT  1
MAWE 1
MOPE 0
NFBD 0
OPKS 0
```

```
PCFD 0
PELE 0
PELV 0
PLDS 0
PSRO 1
PTPE 0
PTPP 0
PTPS 1
PTPX 0
QIN  0
QINE 0
QINH 0
QME  0
RAIM 1
ROCL 1
RQGM 0
RQIM 0
RQIN 0
RQIE 0
RQME 0
RQMP 0
RQOT 0
RQSW 0
RSEL 1
RSTE 0
RSTO 0
SASC 1
SDQI 0
SDQM 0
SPKS 0
SMZC 1
SNOG 0
SNWE 0
SPEL 0
SQIB 0
SQIE 0
SQIN 0
SQME 0
SRSO 0
SSTG 0
STG  0
STID 0
STW  0
SURO 1
SVIN 0
SWE  1
TAMN 0
TAMX 0
TAVG 0
TID  0
TIDE 0
TWEL 0
TWSW 0
VWE  0
VWES 1
ZELV 1
```

pe_map:

This file maps the SHEF Physical Element (PE) codes to their corresponding table name in the Informix database.

For most of the physical element codes (i.e. HG, HT, XC, UD, etc.) only the first letter is needed. However, with precipitation and pressure the full PE code (PP, PC, etc.) to determine which table name will be used.

Comments start with a '#' and blank records are allowed.

The first column contains the SHEF PE code.

The second column contains the Informix table name.

The third column is optional of specified is a new table name.

Sample contents:

```
# file pe_map
#
#PE code Table Name
#------- ----------
 A       agricultural
 B       agricultural
 C       agricultural
 D       _no_table_
 E       evaporation
 F       _no_table_
 G       ground
 H       height
 I       ice
 J       _no_table_
 K       _no_table_
 L       lake
 M       moisture
 N       obsvalue       gatedam   # new in data base version 5
 O       _no_table_
 PA      pressure
 PC      rawpc
 PD      pressure
 PE      pressure
 PF      rawpother
 PL      pressure
 PM      rawpother
 PN      rawpother
 PP      rawpp
 PR      rawpother
 PT      rawpother
 PY      rawpother
 Q       discharge
 R       radiation
 S       snow
 T       temperature
 U       wind
 V       _no_table_
 W       _no_table_
 X       weather
 Y       yunique
 Z       _no_table_
```

precip.thresh:

This file contains the precipitation thresholds.

The **Precipitation Thresholds** Preferences option allows users to set precipitation thresholds and store them in a hidden file in their home directory (.precip.thresh). The Precipitation Threshold change interface has two buttons. The 'Apply' button only changes the thresholds in memory of the current run. The 'Save to File' button will change the memory contents and write to file $HOME/.precip.thresh.

Sample contents:

```
0.00
0.05
0.10
0.25
0.50
0.75
1.00
1.25
1.50
1.75
2.00
2.50
3.00
4.00
5.00
12.00
```

states.fips:

This file contains state postal abbreviations which is read by the County Locator feature.

Sample contents:

```
AL 01
AK 02
AZ 04
AR 05
CA 06
CO 08
CT 09
DE 10
DC 11
FL 12
GA 13
HI 15
ID 16
IL 17
IN 18
IA 19
KS 20
KY 21
LA 22
ME 23
MD 24
MA 25
MI 26
MN 27
MS 28
MO 29
MT 30
NE 31
NV 32
NH 33
NJ 34
NM 35
NY 36
NC 37
ND 38
OH 39
OK 40
OR 41
PA 42
RI 44
SC 45
SD 46
TN 47
TX 48
UT 49
VT 50
VA 51
WA 53
WV 54
WI 55
WY 56
```

town.dat:

This file contains the cities that are always displayed.

The format of the file is:

```
name1 lat1 long1
name2 lat2 long2
  .
  .
nameN latN longN
```

Sample contents:

```
DBQ  41.530 108.520
DTL  41.000 108.970
GRB  41.670 106.760
ICT  40.270 107.300
MPV  41.270 107.800
MSY  39.290 108.810
PWA  39.280 107.900
SLE  40.370 109.230
WYS  40.750 107.890
```

town_zoom.dat:

This file contains the cities that are only displayed when zooming in.

The format of the file is:

```
name1 lat1 long1
name2 lat2 long2
   .
   .
nameN latN longN
```

Sample contents:

```
DBQ  41.530 108.520
DTL  41.000 108.970
GRB  41.670 106.760
AFTNC    41.640 107.930
ANMWE    40.580 108.040
ANMWELWR 40.480 107.890
ANMWEUPR 40.510 107.570
BEANC    41.530 107.390
BLASE    40.100 108.100
BLBNC    41.570 107.910
BLRSW    40.430 106.900
BLRSWLWR 40.580 106.950
BLRSWUPR 40.670 106.780
BLUWE    40.840 107.150
BMDWE    40.520 108.400
  .
  .
STLNC    41.530 109.150
SWRSW    39.160 106.860
TLSSW    39.570 107.710
TSVNE    41.530 107.010
TWKSW    39.250 107.550
TWTWE    40.730 106.850
VALWE    40.590 107.570
WARNE    41.210 107.470
WAUNC    41.950 107.710
WEHNE    41.220 108.240
WHINE    41.060 108.550
WIBSE    39.800 108.300
WINNE    40.970 108.300
WMTNC    41.950 107.060
WODNE    41.060 108.060
WYS      40.750 107.890
```