








## WHEAT Program Catalog

**Greg Pouch**



This document lists most of the WHEAT programs presently available along with a brief description of their purpose.

FileName	ProgramName	Icon	Purpose
----------	-------------	------	---------

### Electronic Mapping Programs and close relatives



EMap3Std	Electronic Mapper Standard		Display, examine and print maps and perform spatial queries and spatial analysis. Allows user to define themes.
EMap3Lit	Electronic Mapper Lite		Same as above but does not allow defining of new themes.
ThmDfEdt	Theme Definition Editor		Create and edit theme definitions stored in a database. Copy them to the clipboard so you can paste them into EMap3Std or __Lit
WheatMIL	WHEAT Multi-purpose Interchange Library		1) Allow user to create special WHEAT tables and queries (use only once on a database. Can also create a database) 2) ActiveX Server that lets users access WHEAT data using other programs such as Excel and Visual Basic.
Merlin	Merlin		Edit legends to design themes. Allows colors, sizes, or symbols to be assigned to ranges of values. EXPERIMENTAL.
PageDsgn	Page Designer		Modify printer layouts for use with EMAP.
EMapKGS3	Electronic Mapper OLD		Simple port of old EMapKGS2, this lacks many of the capabilities of the newer editions, but is included for users familiar with it.


### DATABASE MAINTENANCE AND XYCHAIN MANIPULATION

WheatMil	WHEAT Multi-purpose Interchange Library		1) Create special WHEAT tables and queries. Can also create a database 2) ActiveX Server that lets users access WHEAT data using other programs such as Excel and Visual Basic.
ChnMassg	Chain Massager		XYChain maintenance program. Eliminates duplicated points, finds the bounds of a chain, can force it to close, calculates area and perimeter, can smooth or densify a chain.





### XYCHAIN CONVERTER PROGRAMS

#### Database




BLOBMemo	BLOB Memo		Converts from binary to ascii or ascii to binary XYChain formats
Pts2BLOB	Points To BLOB		Takes sets of points and forms XYChains

BLOB2Pts	BLOB To Points		Takes XYChains and produces sets of points
----------	----------------	---	--




**FILES**

GnImpExp	Generic Import-Export Program		Reads and writes XYChains to/from a simple ascii or binary format. Source code can be modified to read other formats.
Wheat_XL.XLA	Wheat_Excel Add-in		Excel add-in for importing/exporting WHEAT data to/from Excel spreadsheets, including XYChains.
Arcs_In4	Arcs In		Imports Arc/Info ungenerate format files containing line or polygon data
Wht2Arc1	Wheat to Arc		Exports Wheat data to Arc/Info ungenerate files for points, lines, or polygons. Also exports a dBase file, so that an entire table or query can be converted to Arc/Info.


**PROJECTION SOFTWARE**

WhtGCTP1	WHEAT GCTP Projection Tool		A projection tool based on NOAA's General Cartographic Transformation Package that converts coordinates between various projection systems.
LLUTMN	Longitude-Latitude to UTM (any zone)		Converts between Longitude-Latitude and Universal Transverse Mercator coordinates for any UTM zone. Clarke1866 ellipsoid.
LLUTM14	Longitude-Latitude to UTM zone 14 only		Specifically for Kansas, this is hard-wired to convert between Longitude-Latitude and UTM Zone 14.





**PROCESSING PROGRAMS**

ChnMassg	Chain Massager		XYChain maintenance program. Eliminates duplicated points, finds the bounds of a chain, can force it to close, calculates area and perimeter, can smooth or densify a chain.
Contour3	Contour		Contours X,Y,Z data or previously gridded data if in WHEAT format.
RstrEdit	Raster Editor		Edits WHEAT raster grids. Can be used to create them. EXPERIMENTAL.



**MISCELLANEOUS**

colordib	Color DIB		Allows the user to create a palette Bitmap (DIB format) to force colors onto the Windows palette. Only useful in 256 color mode.

**BAD DATABASE SOFTWARE**

whtvdb1			Very, very bad database utility to use in place of Access. You really should buy Access.
recredit1	Record Editor		Edit records one at a time
grdedt01	Grid Editor		Edit records in a spreadsheet-like grid
fxdwdth1	Fixed Width Import		Imports fixed width ascii files into access <b>Obsolete</b> , use MSAccess

**OBSOLETE IMPORT-EXPORT PROGRAMS**

fxdwdth1	Fixed Width Import		Imports fixed width ascii files into access <b>Obsolete</b> , use MSAccess
exportdb	Export Database		Exports a table as a comma-separated value file and creates an AML to import it. <b>Obsolete</b> , use Wht2Arc1