Appendix A3. Schematic diagrams of AWRD menus and additional buttons

AWRD Modules menu

AWRD Modules

Open Surface Waterbodies Viewer...
Potential Fish Yield Calculator...
Manage Surface Waterbody Themes...

Open Watershed Viewer...
View Watershed Statistics Source Data...
Change Watershed Model...
Select by Relationship with Another Theme...
Add New Watershed Model...
Change Associated Data...
Add New Tabular Data...
Delete/Remove Data...

Open Aquatic Species Viewer...
Link to FishBase Web Site...

Field Summary Statistics...
Probability Distribution Calculator...
Summarize Theme
Classify Theme by Multiple Criteria...
Simple Linear Regression...

Select New Watershed or Polygon Theme [Simpl...]

Please select new POLYGON THEME: Alcomwat.shp, Wsia_swb.shp, H1k_lev6.shp, Faoavia.shp, Wsbasin.shp, Giwa_line.shp

Please select POLYGON ID Field: Create ID Values, Ws_id, Ws_name, Ws_orient, Dwnstm_id, Srcname_src, Pour_pnt, Updt_flag — Additional Fields...

Are these polygons in Geographic (or Latitude/Longitude) coordinates? Yes / No

Select New Watershed or Polygon Theme [Advanced]:

Please select new POLYGON THEME: Alcomwat.shp, Wsia_swb.shp, H1k_lev6.shp, Faoavia.shp, Wsbasin.shp, Giwa_line.shp

Please select POLYGON ID Field: Create ID Values, Ws_id, Ws_name, Ws_orient, Dwnstm_id, Srcname_src, Pour_pnt, Updt_flag

Please select POLYGON NAME field: No Name field, Ws_id, Ws_name, Ws_orient, Dwnstm_id, Wsname_src, Srcname_src, Megabasin, Basin_id

Please select DOWNSTREAM ID field: No Downstream, Ws_id, Ws_name, Ws_orient, Dwnstm_id, Wsname_src, Updt_flag

Please select MEGABASIN ID Field: No Area field, Ws_id, Basin_id, Basin_lev, Upstrm_cnt, Cmplx_flag, Megabasin, Megabsn_id

Please select POLYGON AREA field: No Area field, Wsia_area, Ws_orient, Dwnstm_id, Srcname_src, Updt_flag, Basin_id

Are these polygons in Geographic (or Latitude/Longitude) coordinates? Yes / No

Generate Data from Grid Themes

Current Watershed/Polygon Model: ALCOMWAT.SHP

Available Grids: Annual Pot. Evapotranspiration Data, Annual Precipitation Data, Elevation Data (Gt30bath), Mean Annual Air Temperature, Monthly Air Temperature Data, Monthly Precipitation Data

Previously Generated Data: Annual Pot. Evapotranspiration Data, Annual Precipitation Data, Elevation Data (Gt30bath), Mean Annual Air Temperature, Monthly Air Temperature Data, Monthly Precipitation Data

Remove/Delete Data:

Please select the type of data you would like to delete or remove:
- Remove Watershed/Polygon Model and delete data tables
- Remove Data Theme and delete associated data tables
- Delete specific data tables from a particular model

Section 1.4

AWRD Tools menu

AWRD Tools

View inventory of AWRD Data Layers...
View Metadata for active theme...
Edit and/or create metadata for active theme...

Find Location by Theme...
Enter Coordinates and Zoom to Location...
Coordinates Converter...
Zoom to Gazetteer Locations...
Select by Theme...
Query Builder...
Add a Basemap Image to View...
Calculate/Update GeoStats in Polygon Theme Tables...

Unload Image Export and Base Mapping

Additional AWRD Extensions...
Additional ArcView Extensions...
Additional ESRI Community Scripts and Extensions...

Open Introduction of SIFRA Compendium...
Open SIFRA File for Specific Country...

Specify Calculation Parameters — Polygon Theme: Alcomwat.shp
- Generate/Update Area in Square Kilometers?
- Generate/Update Area in Hectares?
- Generate/Update Area in Square Miles?
- Generate/Update Area in Acres?
- Generate/Update Perimeter length in Meters?

View — ImageExport: Output a Single PickMap, Report View Details, Resize Window Dimensions, Make a copy of the View, Toggle View TOC On/Off, Create Fitted Map, Load Theme Database

Layout — ImageExport: Output a Single PickMap, Report LOViewFrm Details, Resize Window Dimensions, Create LOViewFramePage, Resize LOViewFrame Pixels, Make a copy of the Layout

Section 1.7

AWRD- specific menu options in AV standard menus

View, Table, Layout

Help menu

Help

Help Topics...
How to Get Help...
About ArcView...

Open AWRD Help Files Index...
Open AWRD Help Files...
About AWRD...
AWRD Reference Documents...
Link to FAO Fisheries Website...
ImageExport Help

Section 1.1

View

View menu

View

Properties...
Add Theme... Ctrl+T
Geocode Addresses...
Add Event Theme...
New Theme...
Load AWRD Data... — Section 1.2
Themes On
Themes Off
Layout...
Show All Legends
Hide All Legends
Set all themes Active
Set all themes Inactive
TOC Style...
Full Extent
Toggle AWRD Data to Short Theme Names
Zoom In — Section 1.2
Zoom Out
Zoom To Themes
Zoom To Selected
Zoom Previous
Find... Ctrl+F
Locate Address...

Section 1.7

Theme menu

Theme

Properties...
Start Editing
Save Edits
Save Edits As...
Convert to Shapefile...
Convert to Grid...
Save Data Set...
Edit Legend...
Hide/Show Legend
Rematch Addresses...
Adjust Polygon Border and Pattern...
Auto-label... Ctrl+L
Remove Labels Ctrl+R
Remove Overlapping Labels
Convert Overlapping Labels Ctrl+O
Table...
Query... Ctrl+Q
Select By Theme...
Create Buffers...
Clear Selected Features
Edit Theme Expression...

Edit menu

Edit

Cut Ctrl+X
Copy Ctrl+C
Paste Ctrl+V
Undo Edit Ctrl+Z
Redo Edit Ctrl+Y
Add Field...
Add Record Ctrl+A
Delete Field
Delete Records
Select All
Select None
Switch Selection
Delete Multiple Fields...
Add Record Numbers...

Delete Fields: Please select the fields to delete: Wsia_id, Wsap_sw_id, Swb_name, Swb_type, Swb_code, Hyd_code, Laea_ho, Laea_ycos

Generate Record Numbers: Yes/No to add a new field containing record numbers...

Record Number Field Name: Please specify the name of your new Record Number field.

Select Record Number Field: Please specify which field to generate record numbers on.

Section 1.7

Table menu

Table

Properties...
Chart...
Start Editing
Save Edits
Save Edits As...
Find... Ctrl+F
Query... Ctrl+Q
Promote
Join Ctrl+J
Remove All Joins
Link
Remove All Links
Refresh
Identify Table Source
Identify Field Types

Attributes of Wsia_swb.shp Source: Attributes of Wsia_swb.shp Source c:\wrd\data\swb_doc\wsia_swb.dbf

Field Types: Attributes of wsia_swb.shp [10 field(s)]
1) SHAPE: Shape, Shapefile [FIELD_SHAPEPOLY, Precision = 8.0]
2) WSIA_ID: Number, Decimal [FIELD_DECIMAL, Precision = 3.0]
3) WSAP_SW_ID: Number, Decimal [FIELD_DECIMAL, Precision = 5.0]
4) SWB_NAME: String, Char [FIELD_CHAR, Precision = 30.0]
5) SWB_TYPE: String, Char [FIELD_CHAR, Precision = 15.0]
6) SWB_CODE: Number, Decimal [FIELD_DECIMAL, Precision = 2.0]
7) HYD_CODE: Number, Decimal [FIELD_DECIMAL, Precision = 2.0]

Section 1.7

Field menu

Field

Sort Ascending
Sort Descending
Create Index
Summarize...
Calculate...
Statistics...
Show Field Information

Field Types: LAEA_HA: Number, Decimal [FIELD_DECIMAL, Precision = 13.2]

Section 1.7

Additional View buttons

Zoom to Next Extent

Section 1.7

Adjust Polygon Border and Pattern
- Do Not Use Outline
- Use Outline
- Constant Outline Color
- Set Outline Color = Fill Color
Outline Width

Select Color — Current Color

Pattern (background will be transparent)

Section 1.7

Additional Table buttons

Probability Distribution Calculator
Field Summary Statistics
Simple Linear Regression
Export Table to Excel
Import Table from Excel

Section 1.7

Legend:
Use of tool proceeds through multiple dialogs.
The tool dialog contains buttons which open additional tools dialogs.

Note: Each Module is represented by a specific colour (Data and Metadata Module; SWB Module; WS Module; AQSP Module; Fisheries Reference Module; Additional Tools and Customization Module; Write-up Equations; SIFRA Compendium; Other Button). Dotted arrows and boundary refer to functions from no-AWRD extension, but automatically loaded when the AWRD extension is loaded. Sections references refer to AWRD Technical Manual.

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