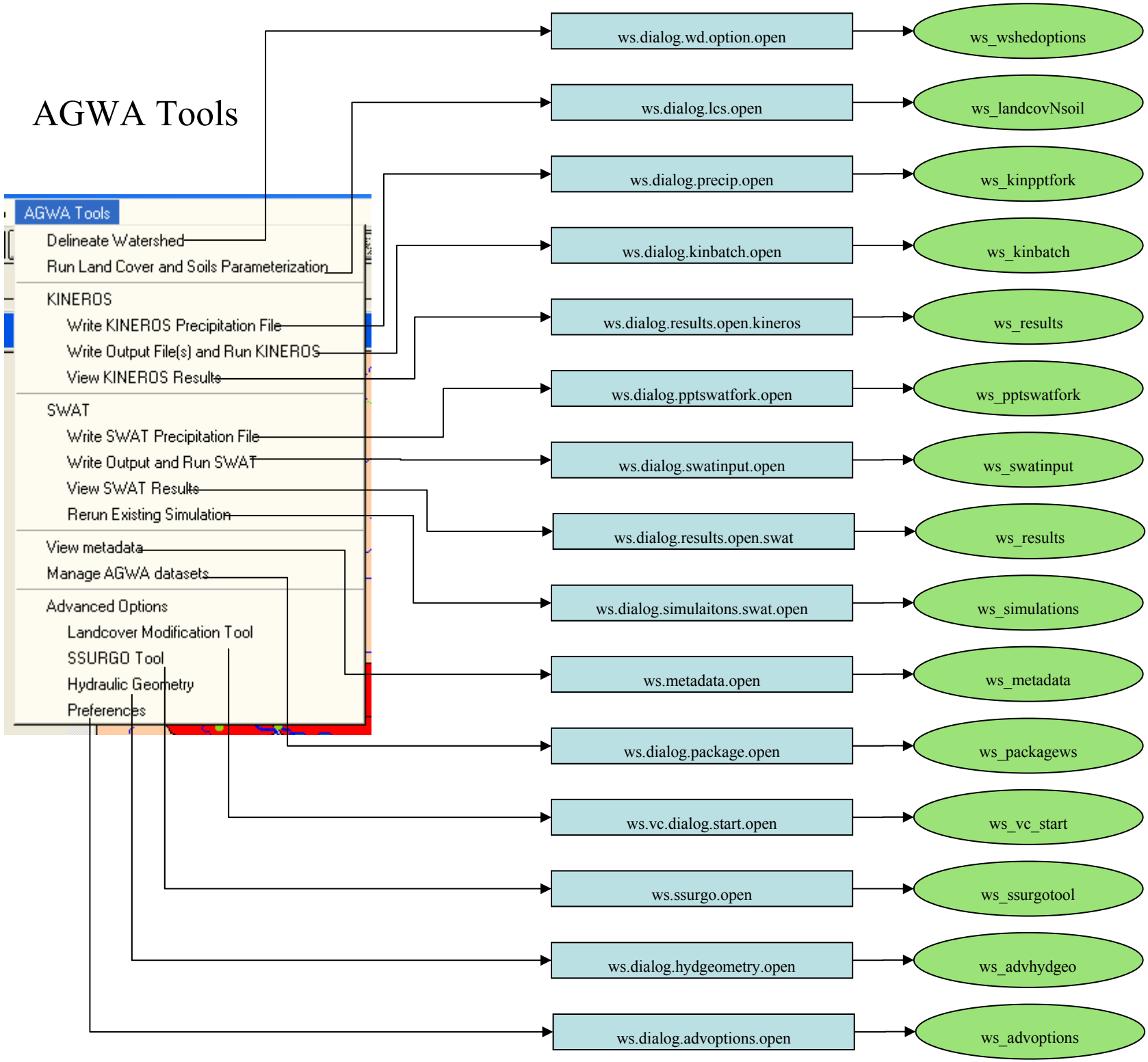
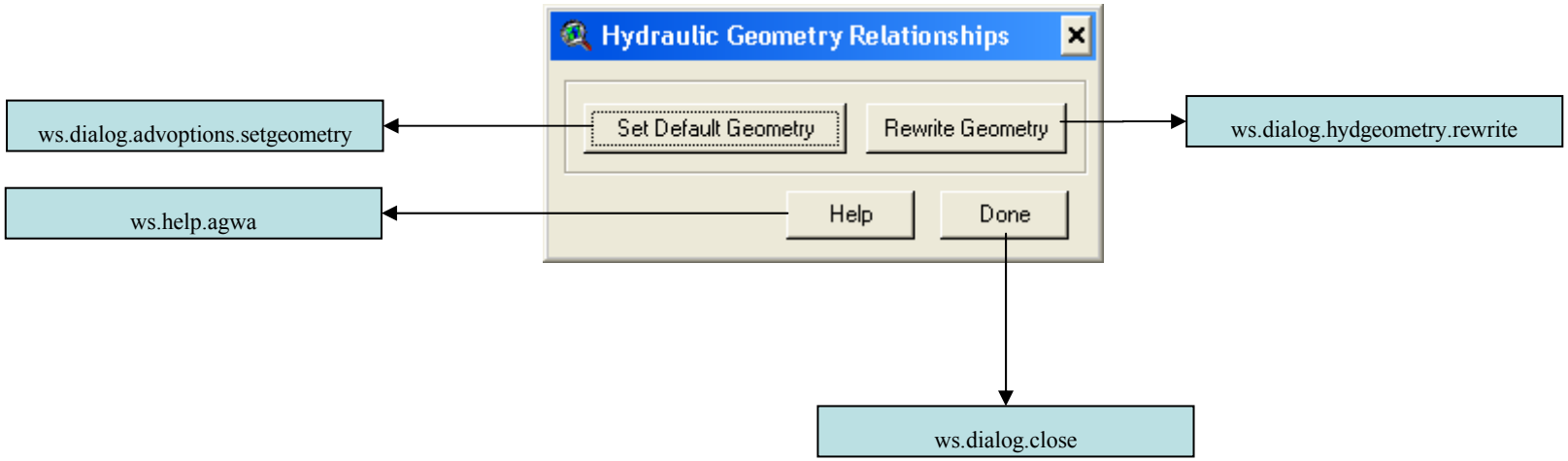
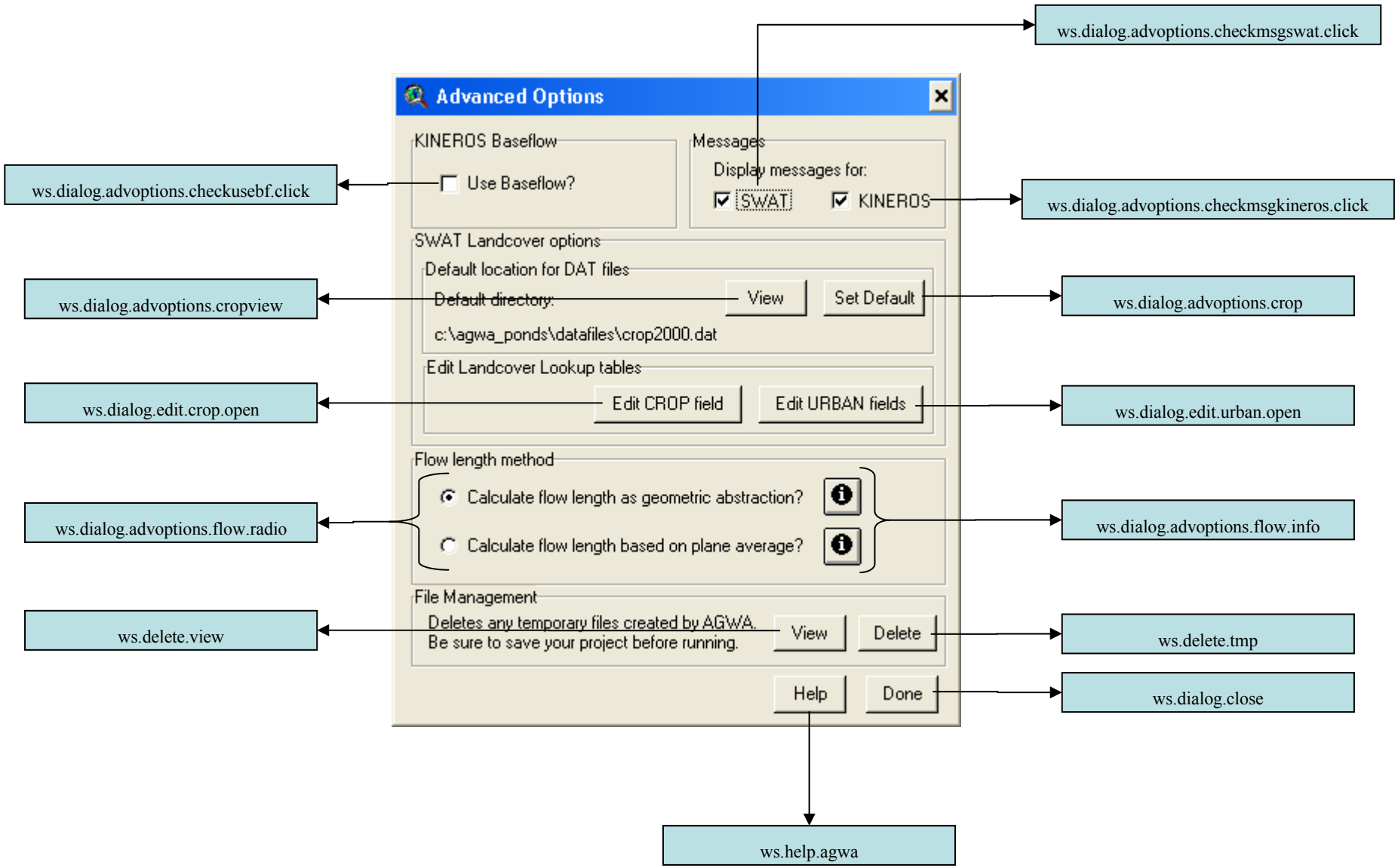
AGWA Tools


AGWA Tools
Delineate Watershed
Run Land Cover and Soils Parameterization
KINEROS
Write KINEROS Precipitation File
Write Output File(s) and Run KINEROS
View KINEROS Results
SWAT
Write SWAT Precipitation File
Write Output and Run SWAT
View SWAT Results
Rerun Existing Simulation
View metadata
Manage AGWA datasets
Advanced Options
Landcover Modification Tool
SSURGO Tool
Hydraulic Geometry
Preferences
ws.dialog.wd.option.open
ws_wshedoptions
ws.dialog.lcs.open
ws_landcovNsoil
ws.dialog.precip.open
ws_kinpptfork
ws.dialog.kinbatch.open
ws_kinbatch
ws.dialog.results.open.kineros
ws_results
ws.dialog.pptswatfork.open
ws_pptswatfork
ws.dialog.swatinput.open
ws_swatinput
ws.dialog.results.open.swat
ws_results
ws.dialog.simulaitons.swat.open
ws_simulations
ws.metadata.open
ws_metadata
ws.dialog.package.open
ws_packagews
ws.vc.dialog.start.open
ws_vc_start
ws.ssurgo.open
ws_ssurgotool
ws.dialog.hydgeometry.open
ws_advhydgeo
ws.dialog.advoptions.open
ws_advoptions

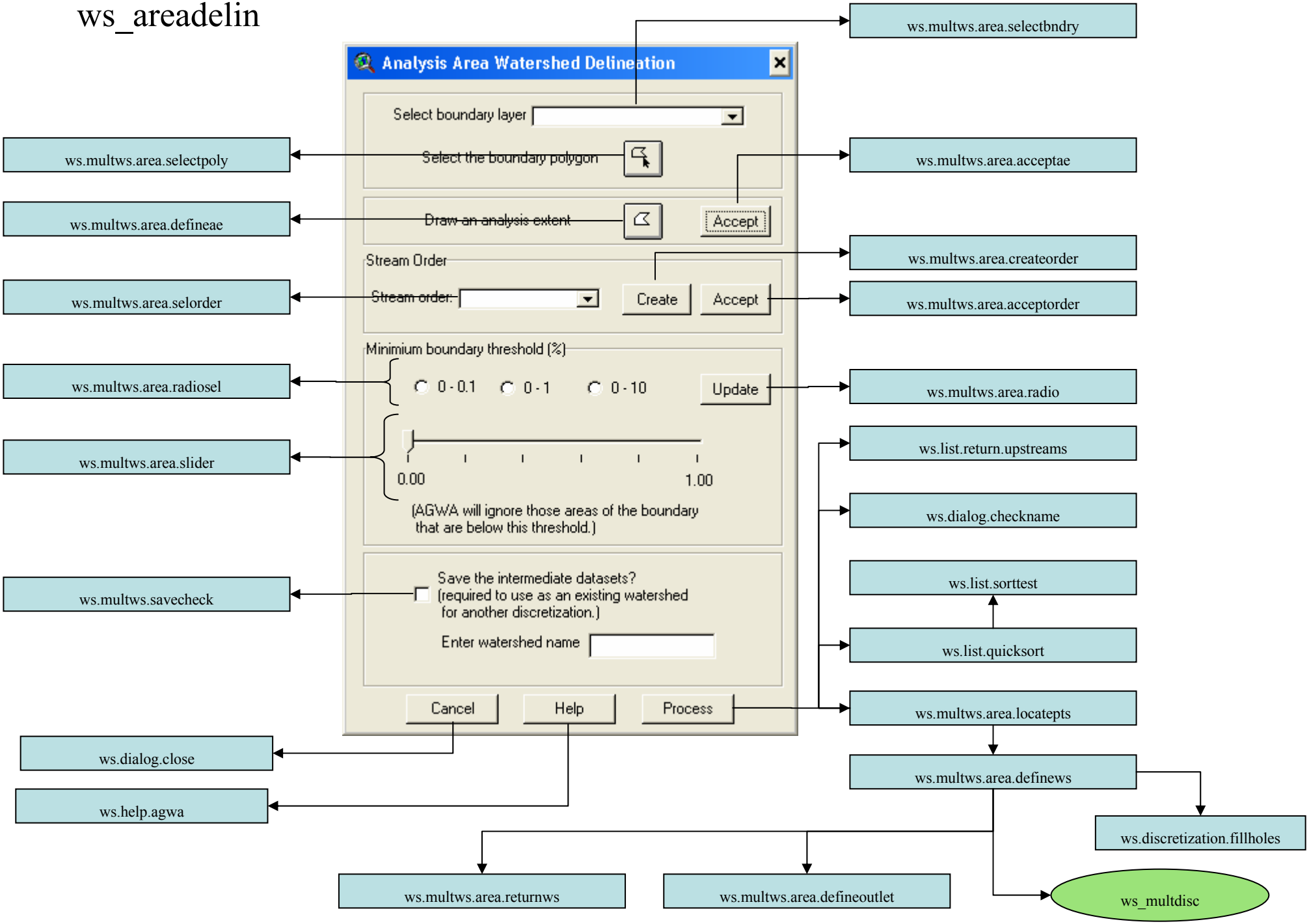
ws_advHydGeo



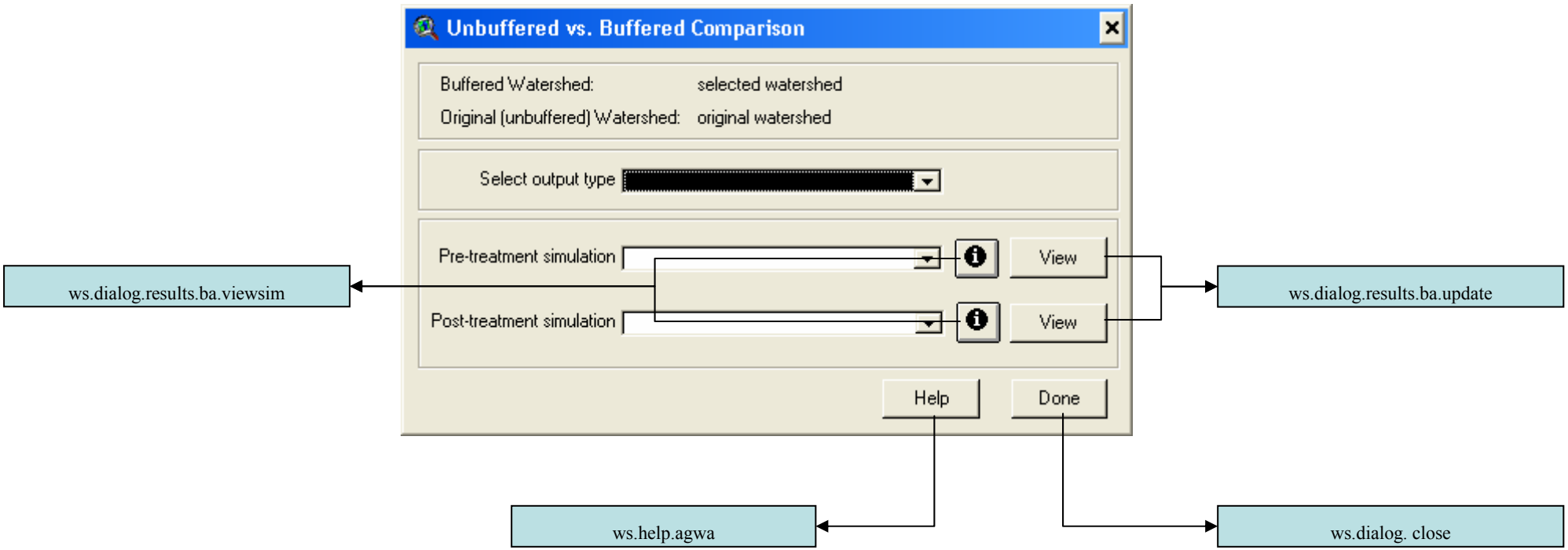
ws_advOptions



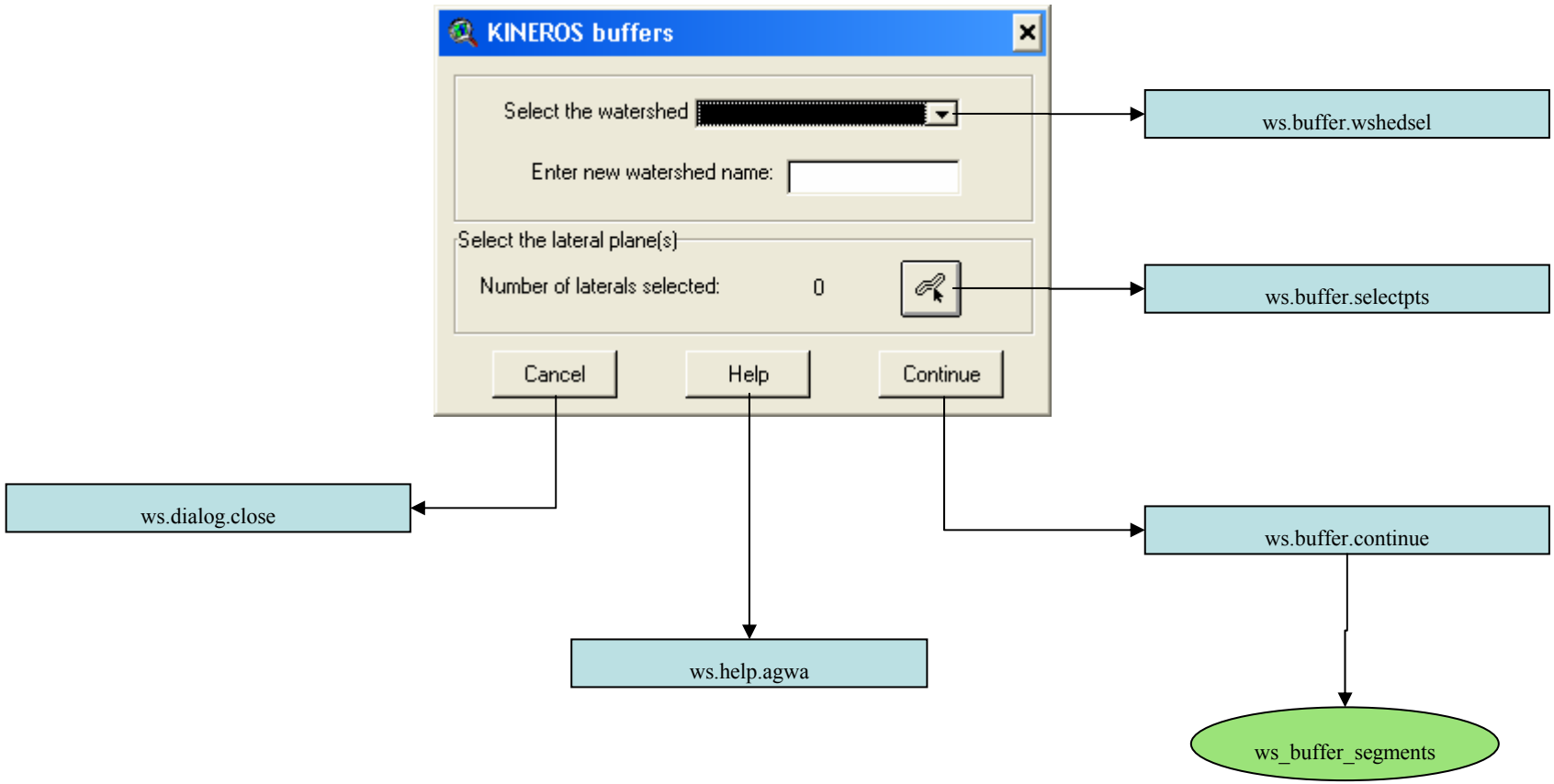
ws_areadelin



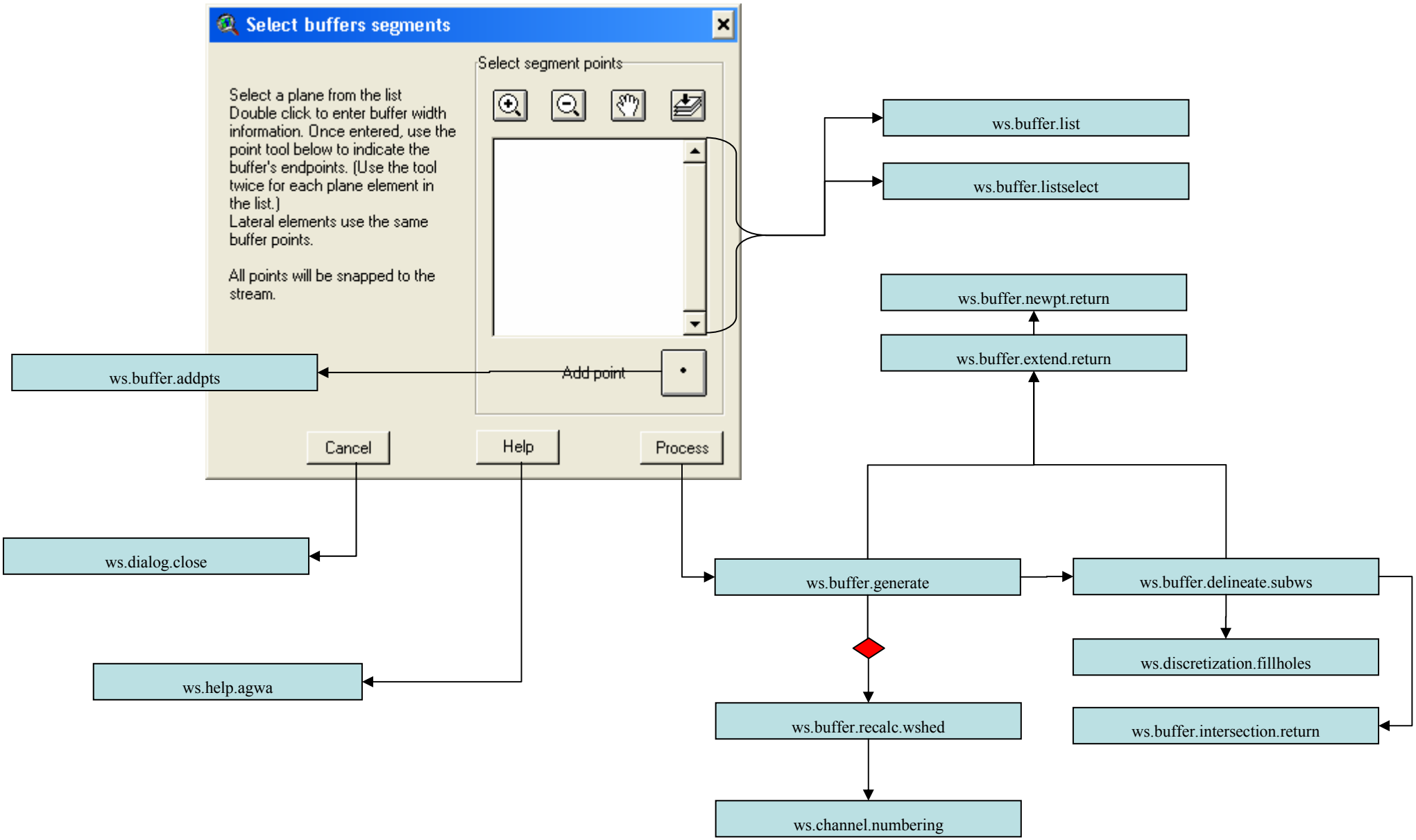
ws_before_after



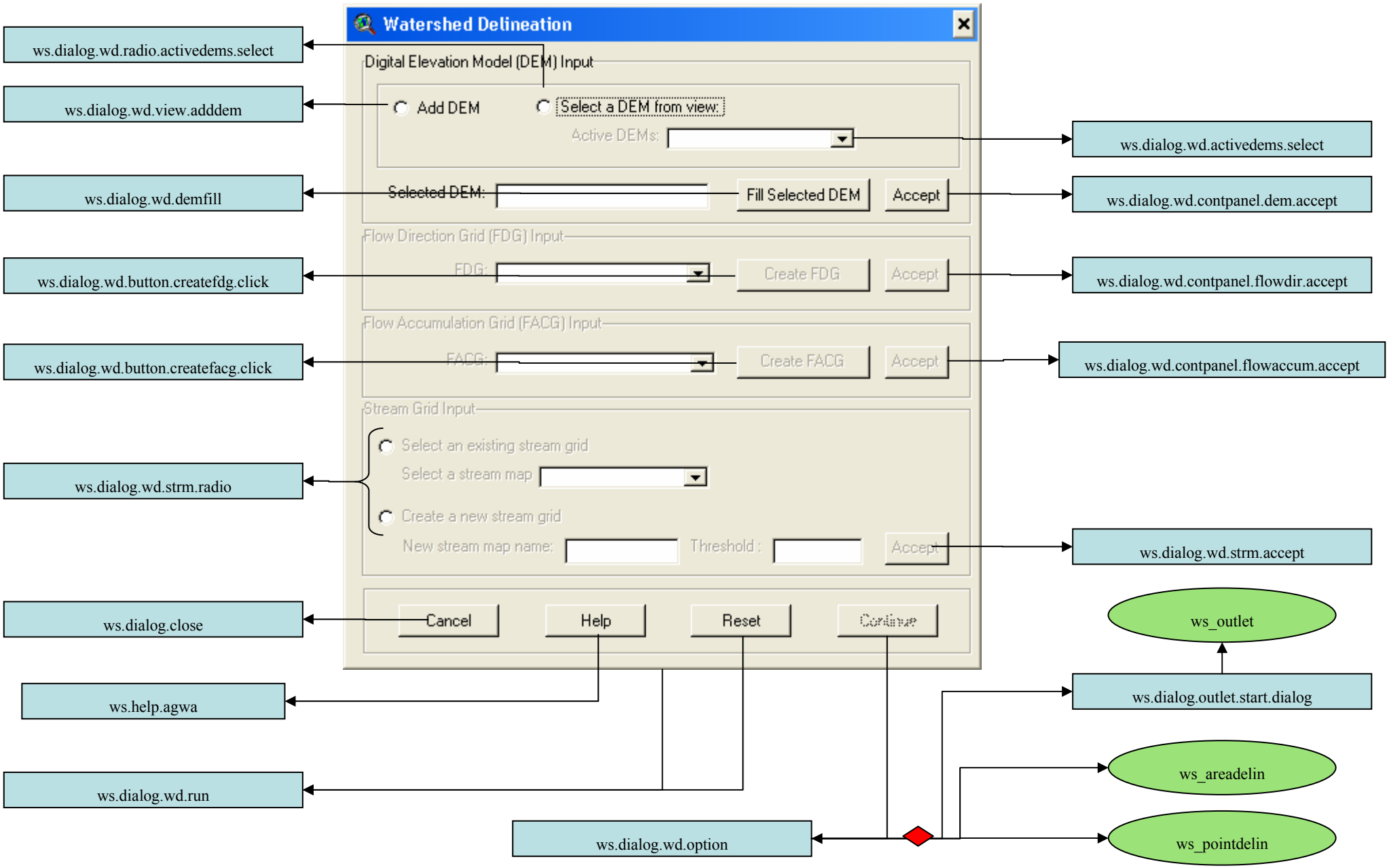
ws_buffer


KINEROS buffers
Select the watershed
Enter new watershed name:
Select the lateral plane(s)
Number of laterals selected:
0
Cancel
Help
Continue
ws.buffer.wshedsel
ws.buffer.selectpts
ws.dialog.close
ws.buffer.continue
ws.help.agwa
ws_buffer_segments

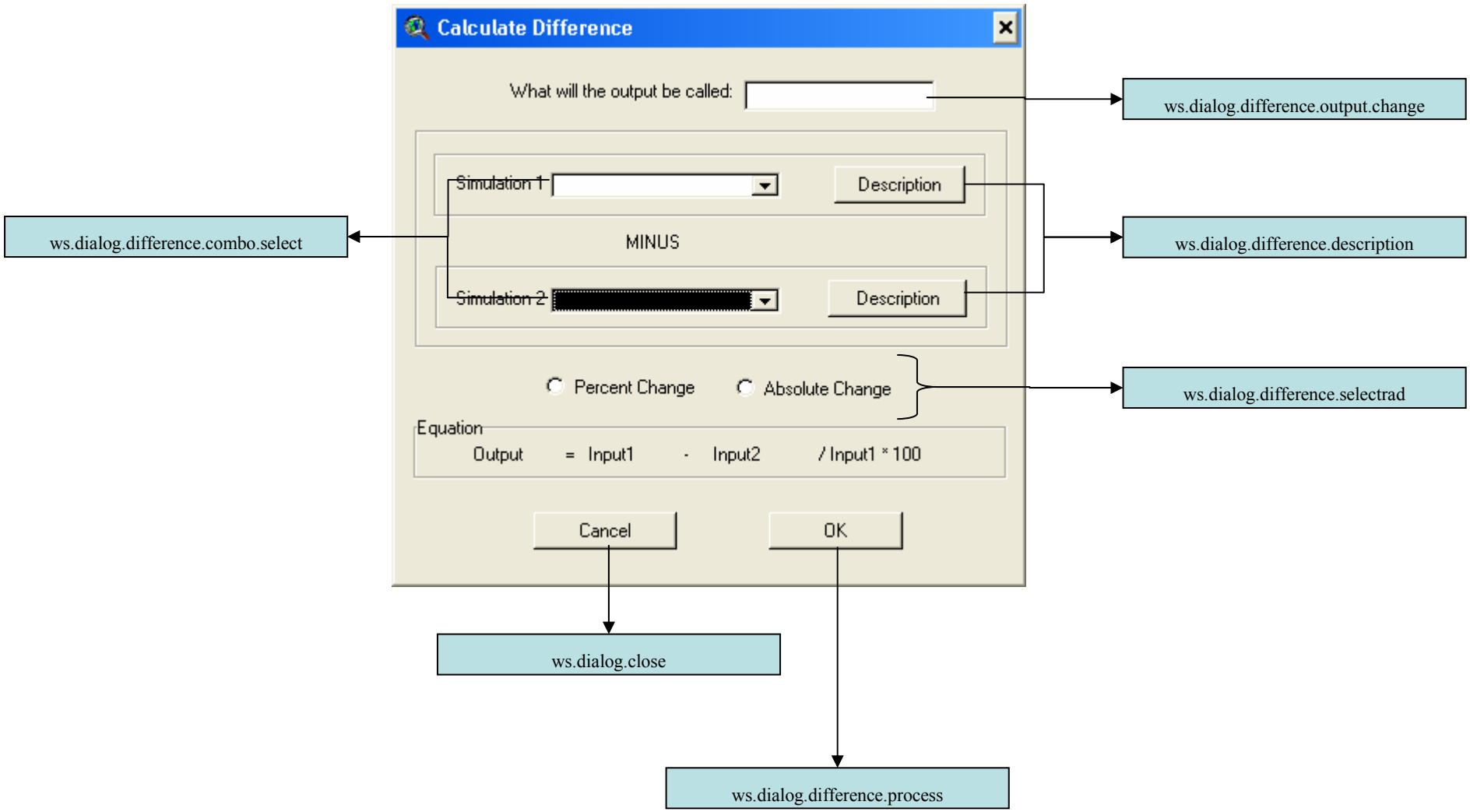
ws_buffer_segment



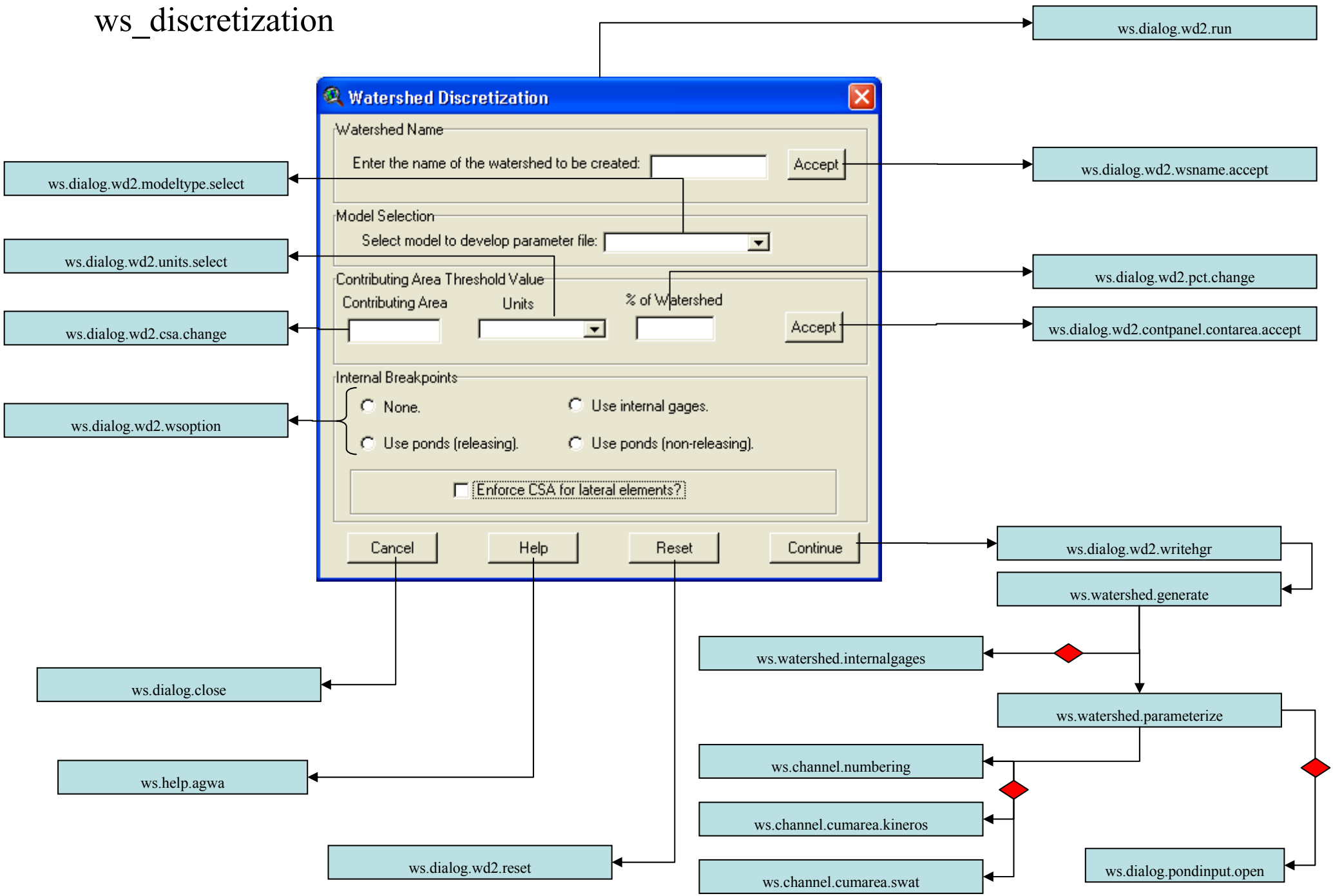
ws_delineation



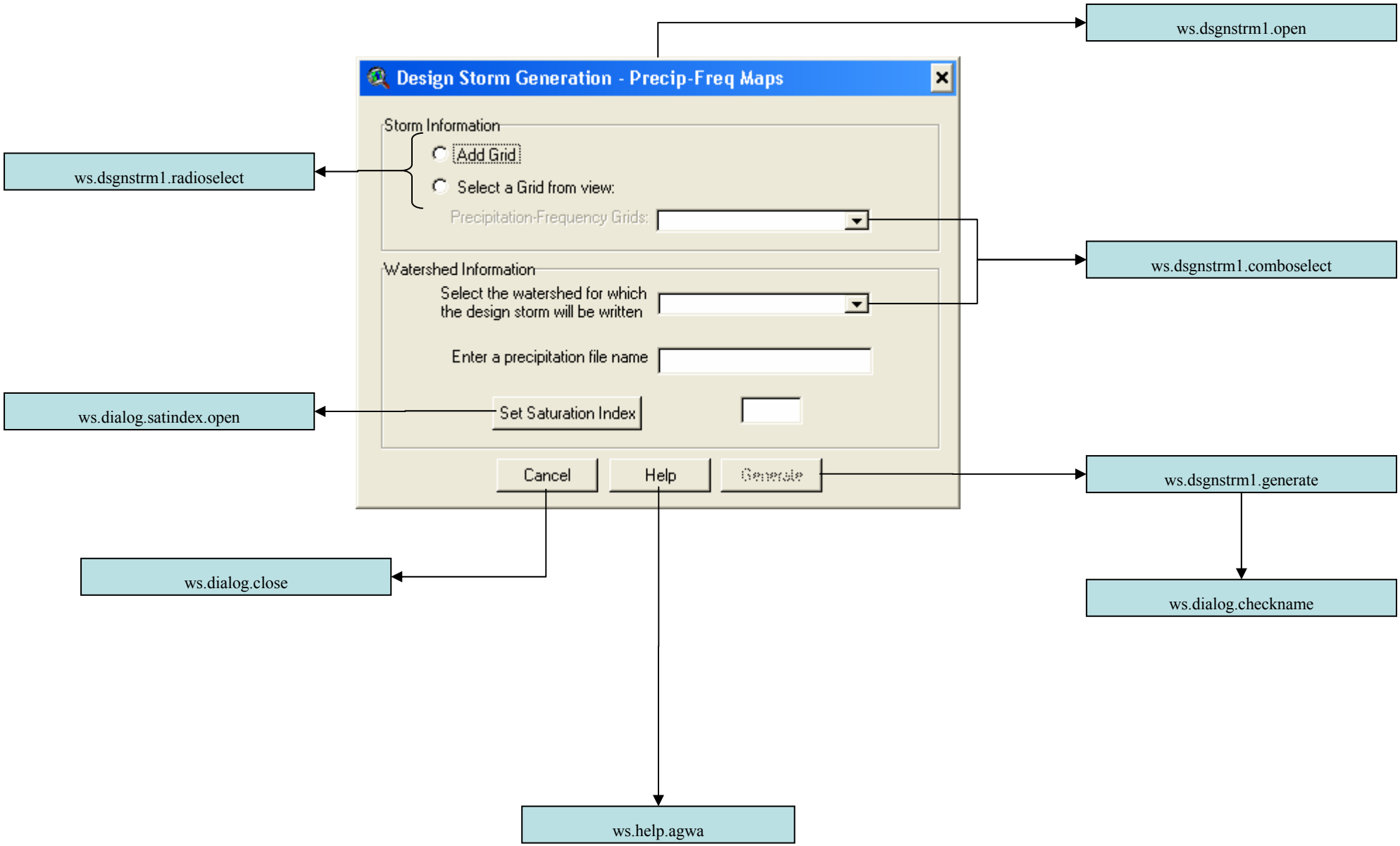
ws_difference



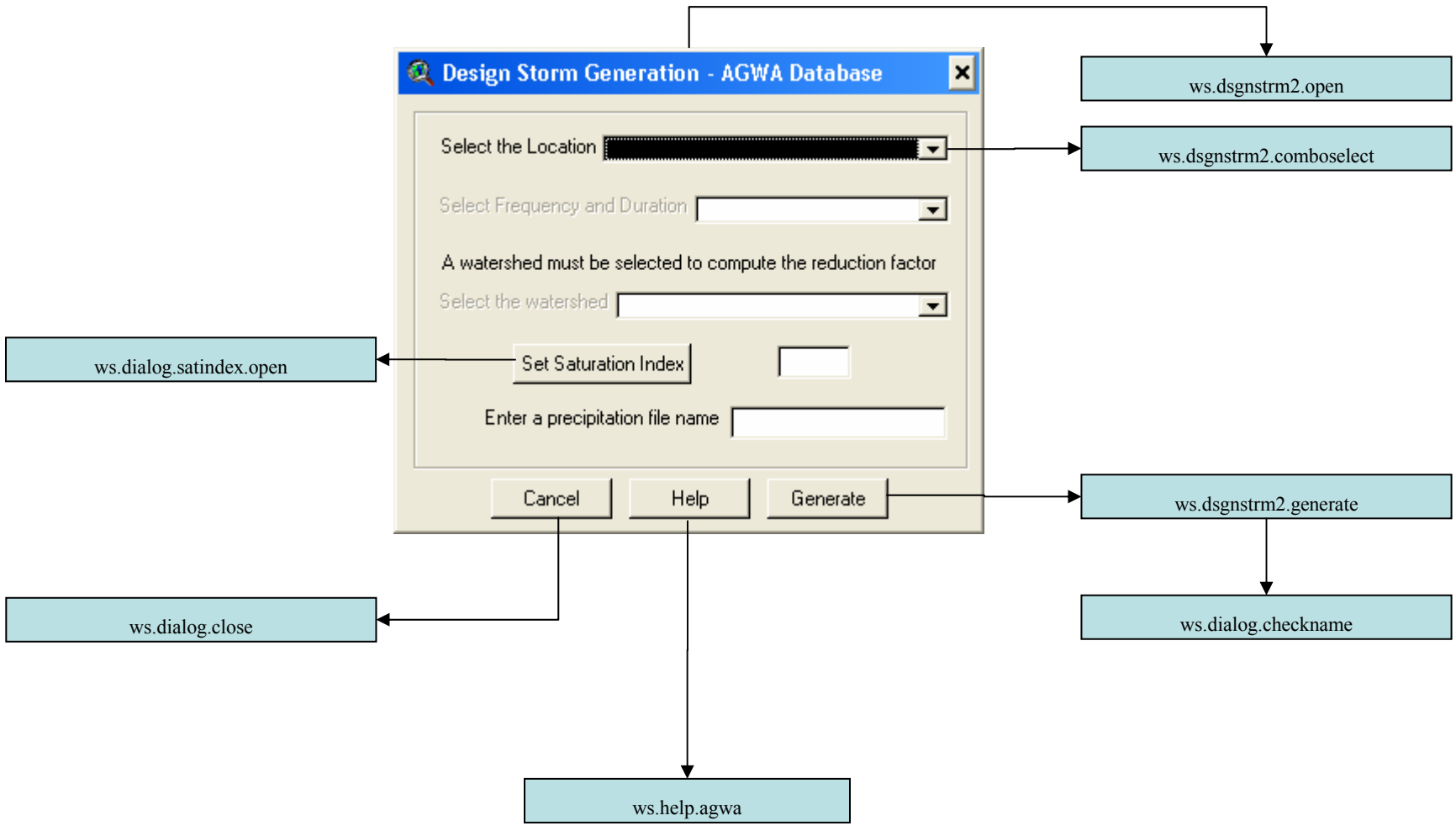
ws_discretization



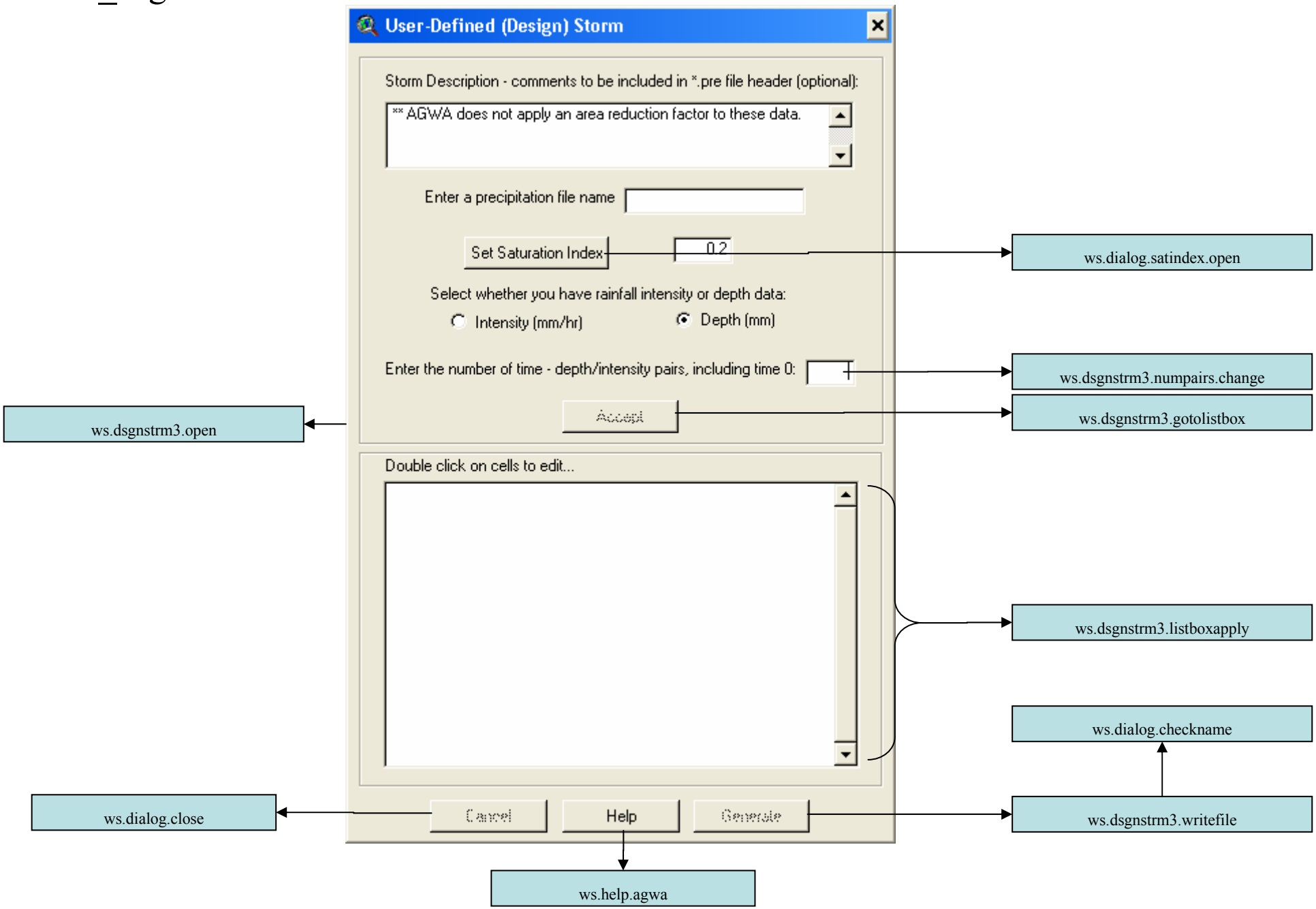
ws_dsgnstrm1



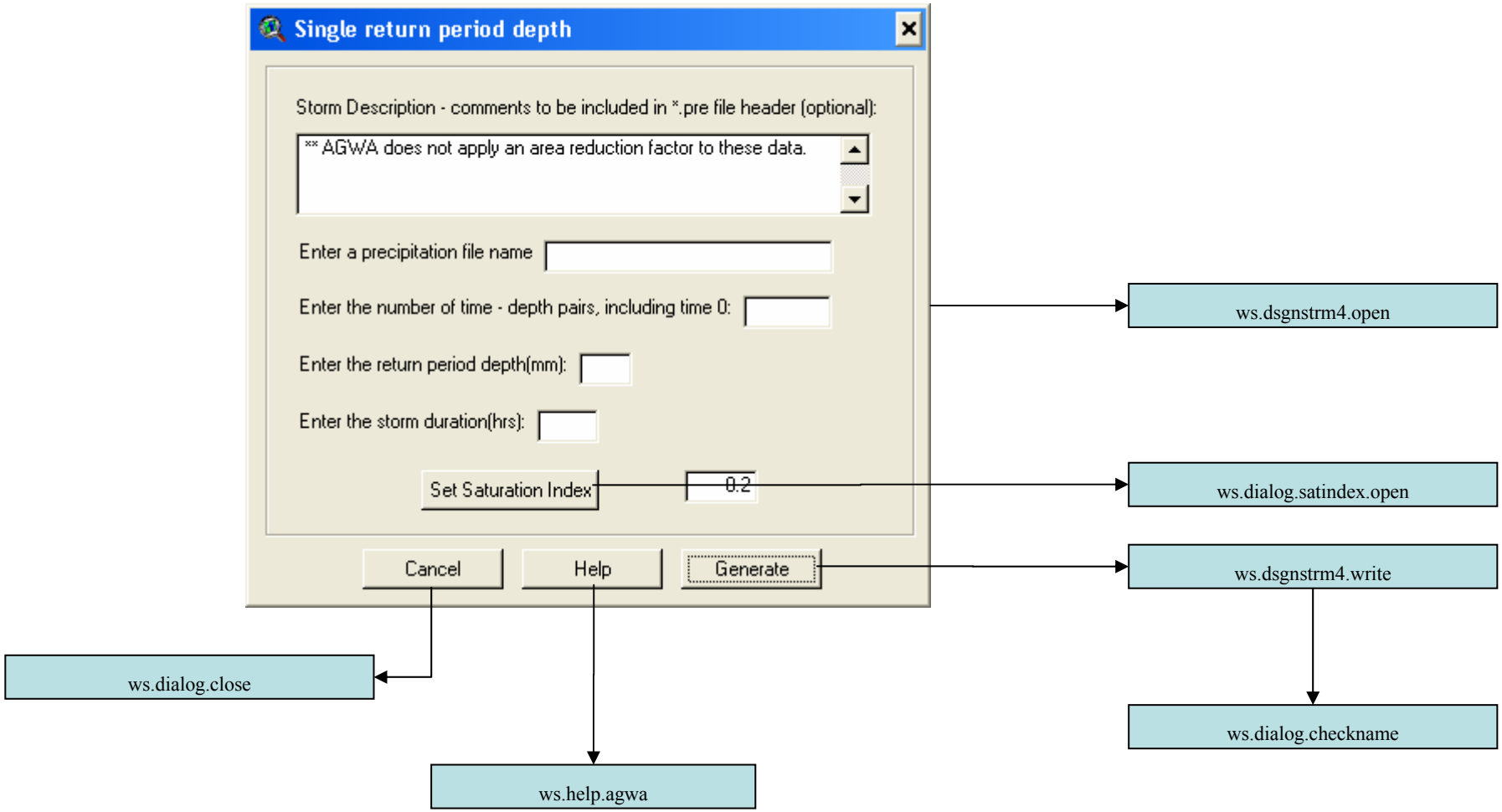
ws_dsgnstrm2



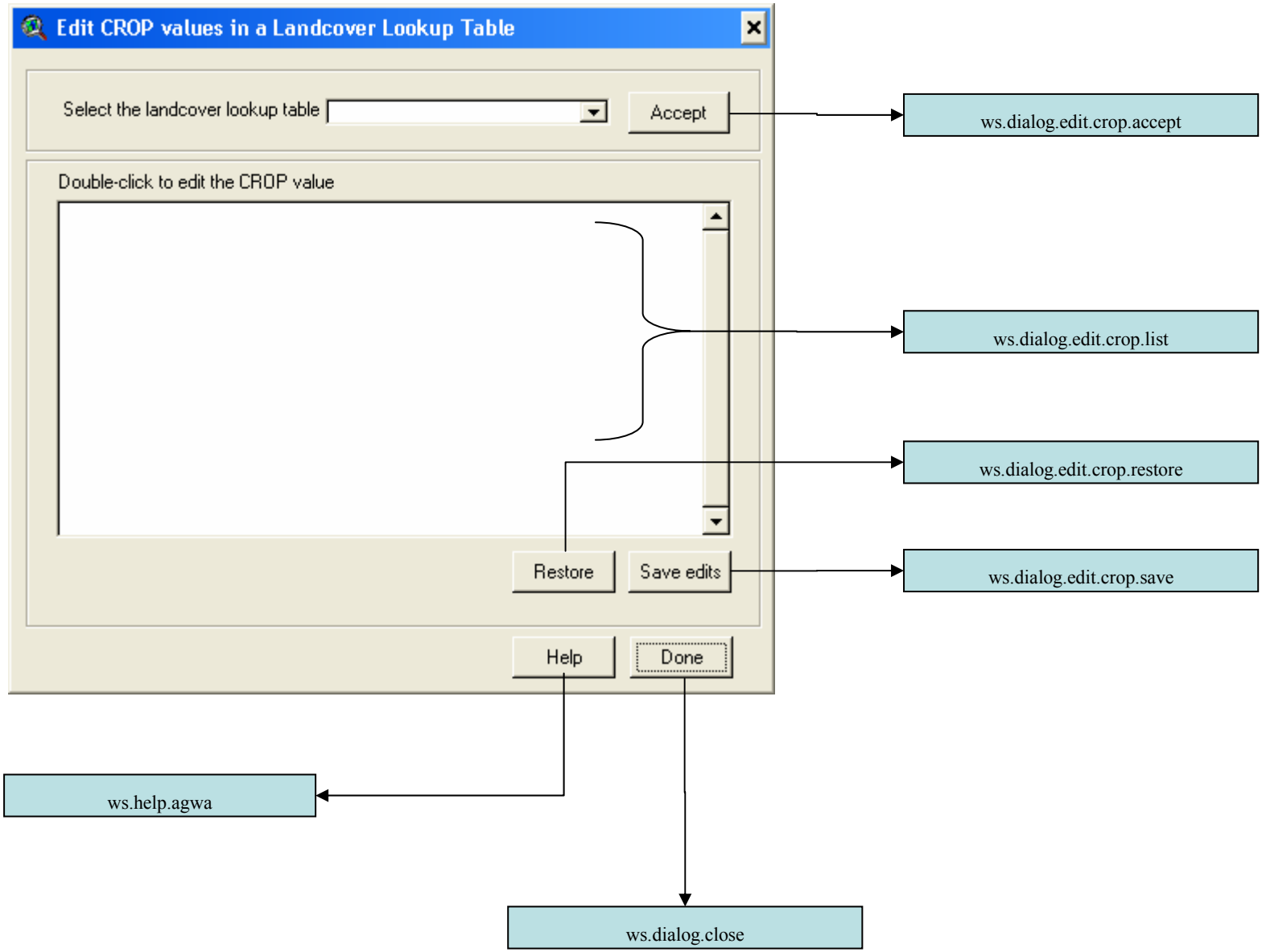
ws_dsgnstrm3



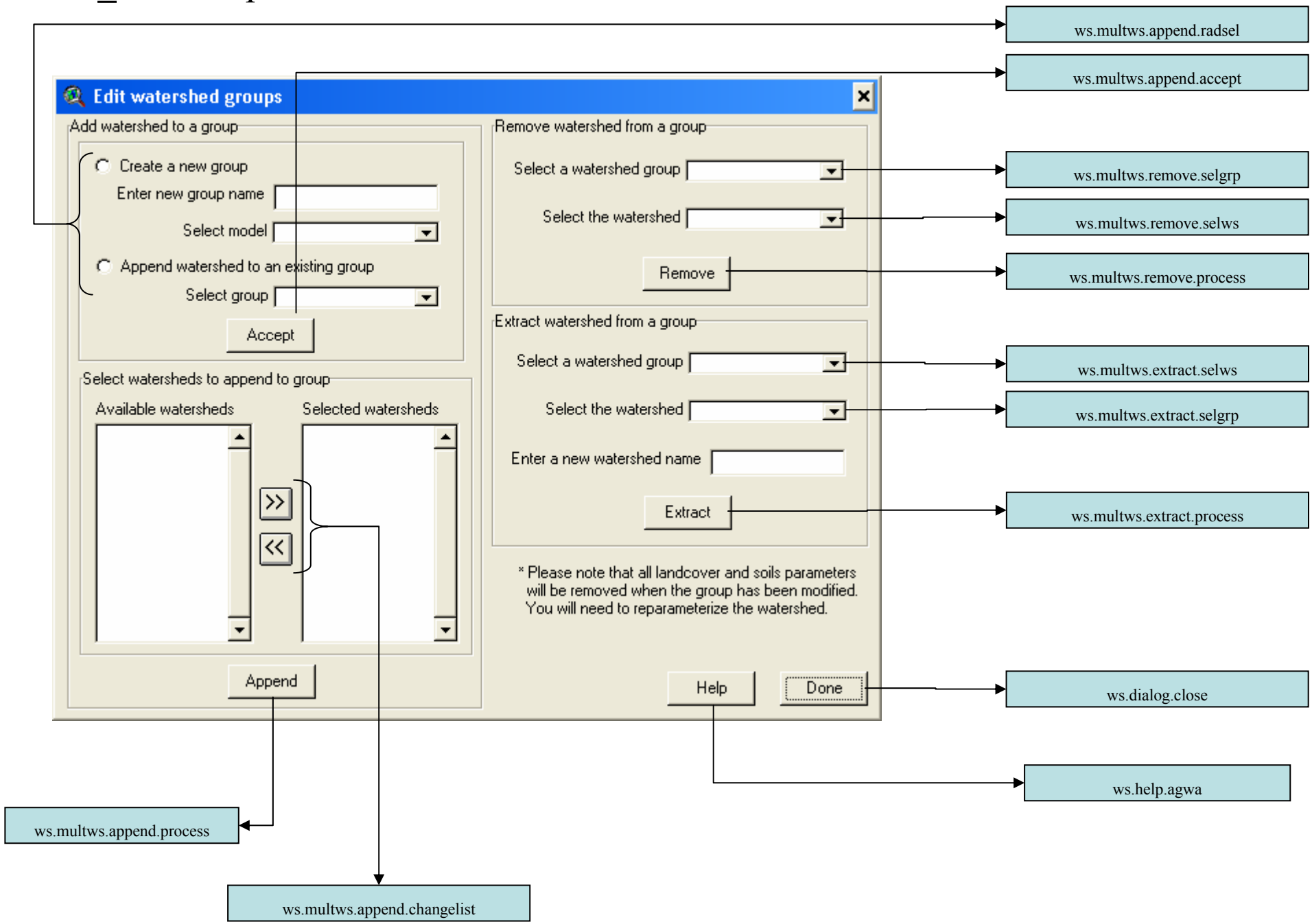
ws_dsgnstrm4



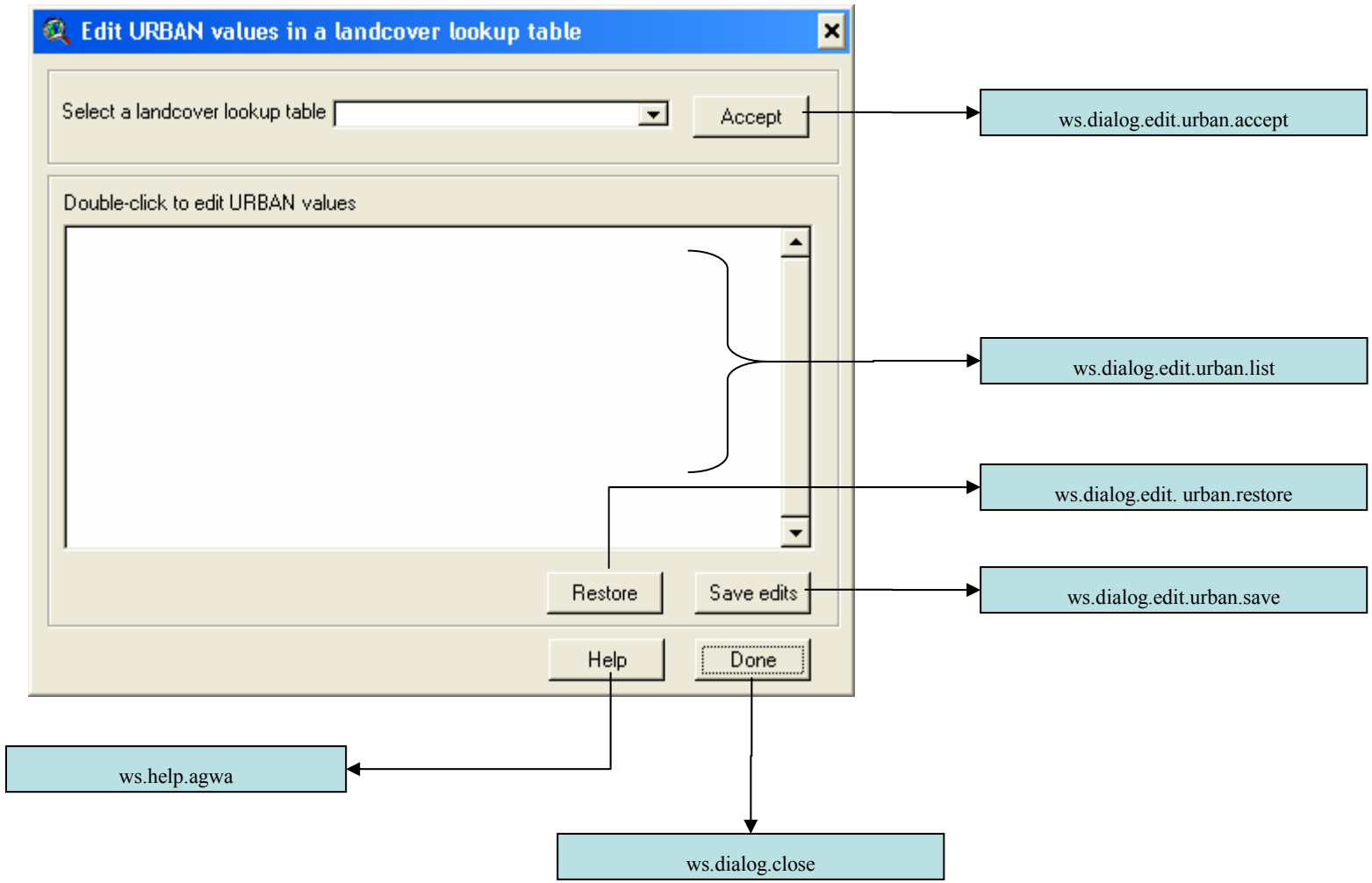
ws_EditCrop


Edit CROP values in a Landcover Lookup Table
Select the landcover lookup table
Accept
Double-click to edit the CROP value
Restore
Save edits
Help
Done
ws.dialog.edit.crop.accept
ws.dialog.edit.crop.list
ws.dialog.edit.crop.restore
ws.dialog.edit.crop.save
ws.help.agwa
ws.dialog.close

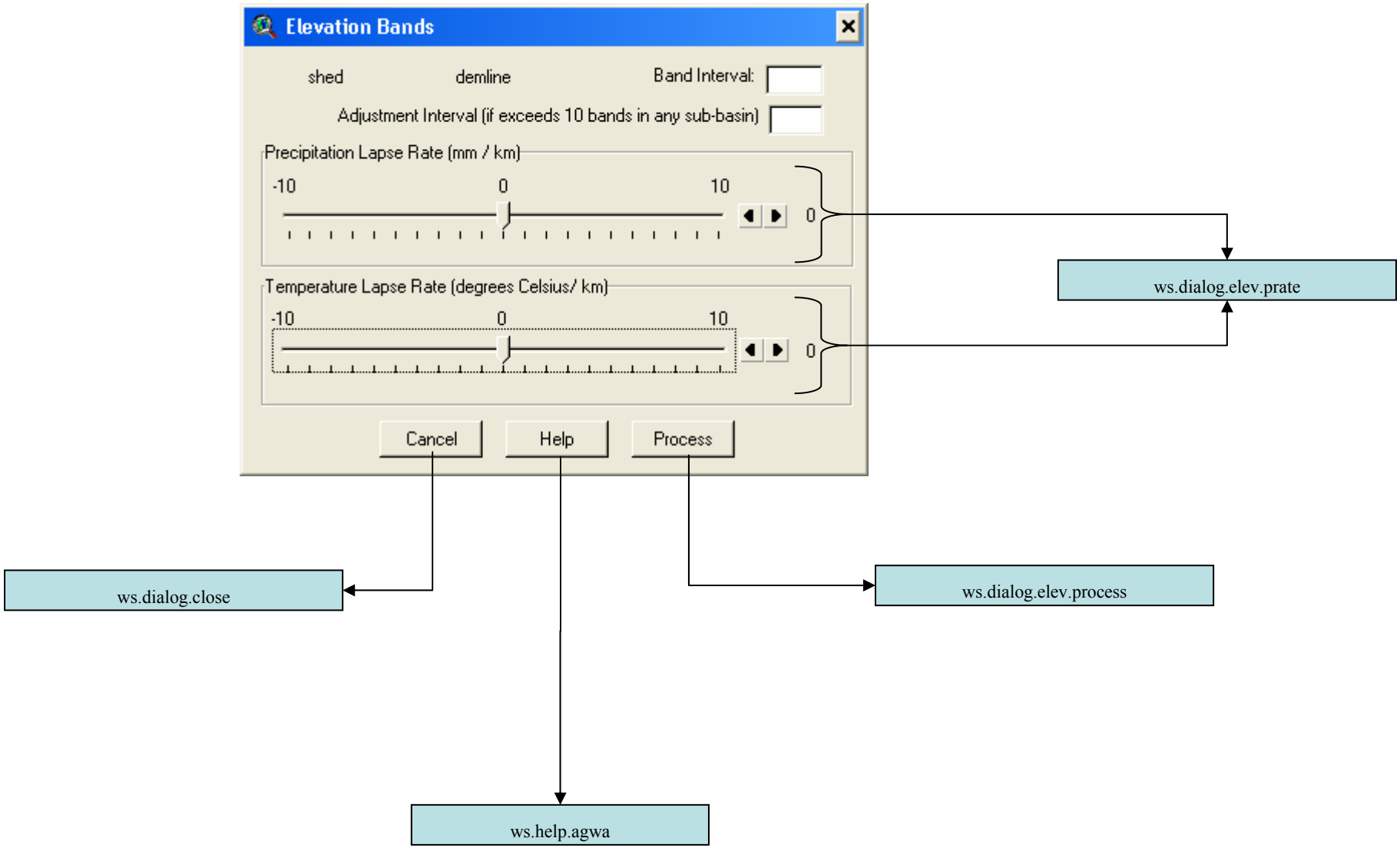
ws_editGroup



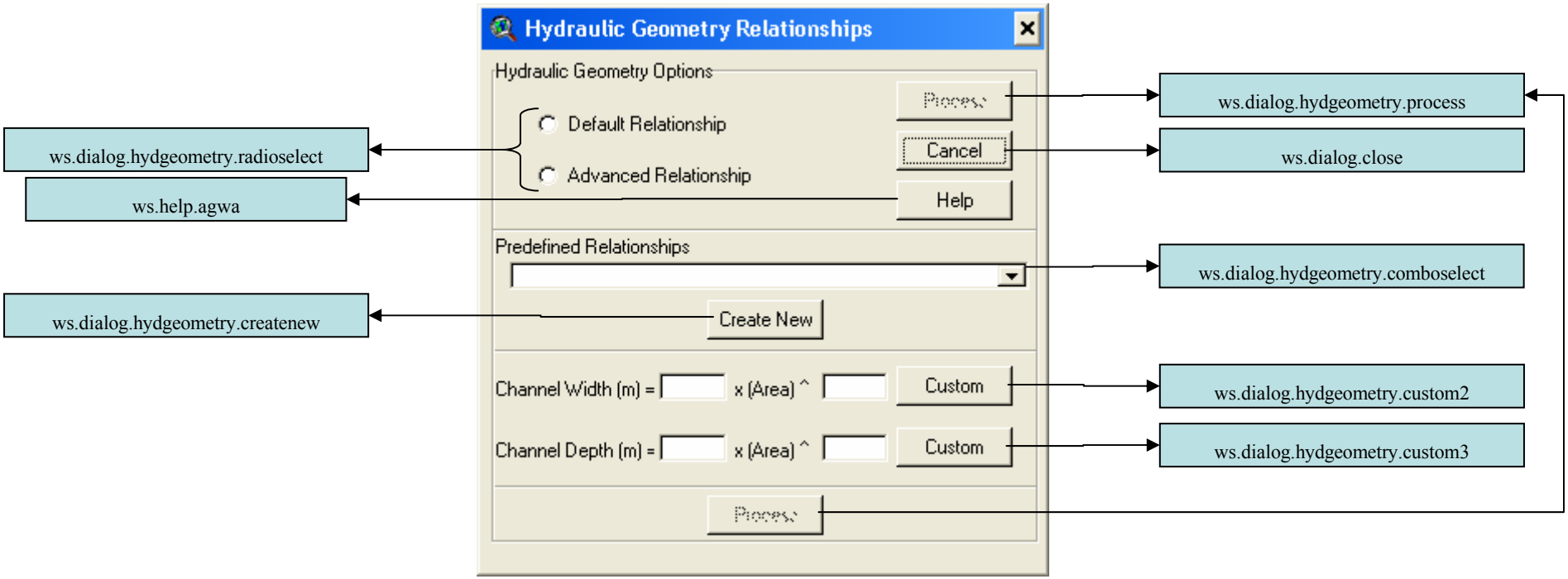
ws_EditUrban



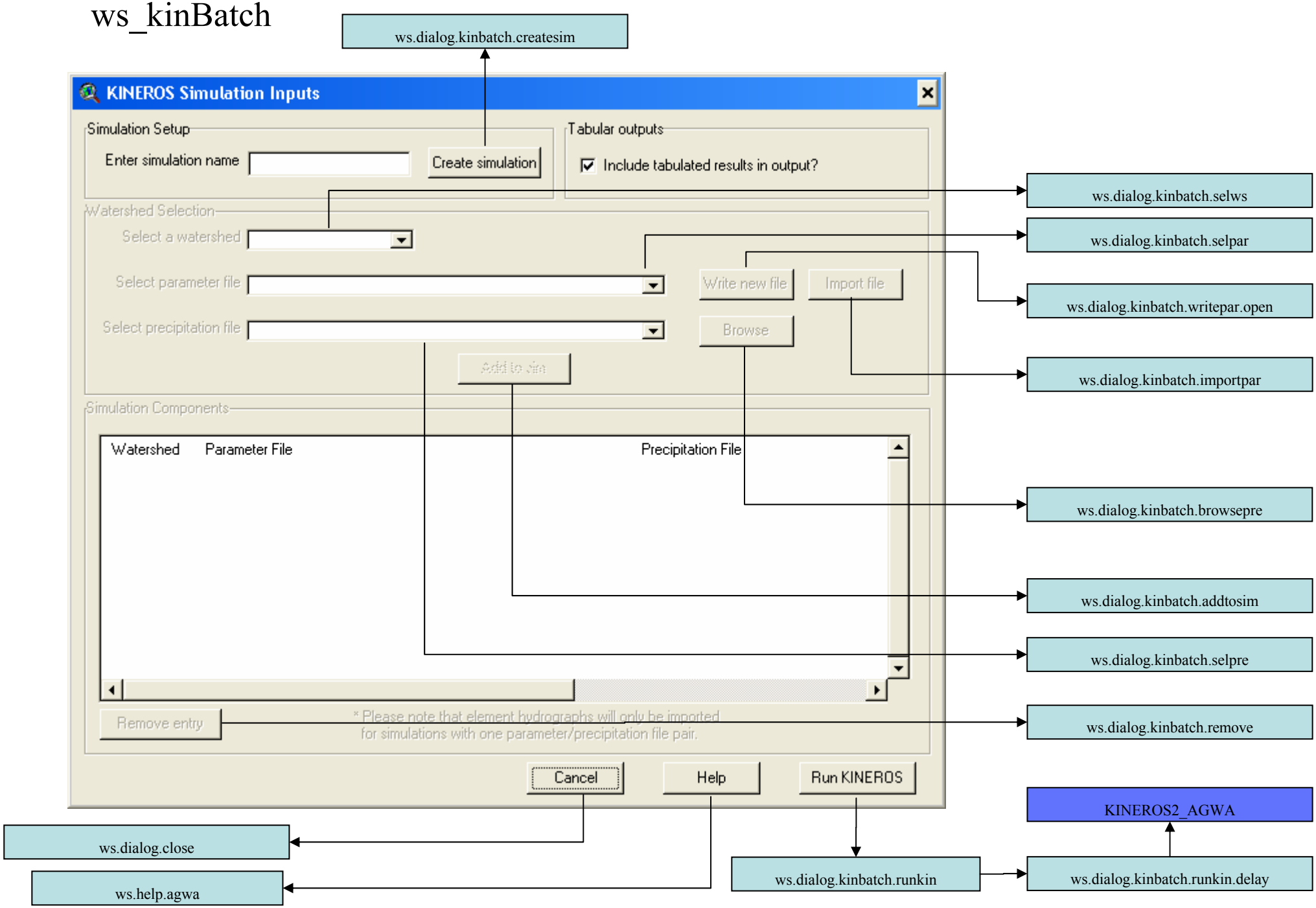
ws_elev


Elevation Bands
shed
demline
Band Interval:
Adjustment Interval (if exceeds 10 bands in any sub-basin)
Precipitation Lapse Rate (mm / km)
-10
0
10
0
Temperature Lapse Rate (degrees Celsius/ km)
-10
0
10
0
Cancel
Help
Process
ws.dialog.elev.prate
ws.dialog.close
ws.dialog.elev.process
ws.help.agwa

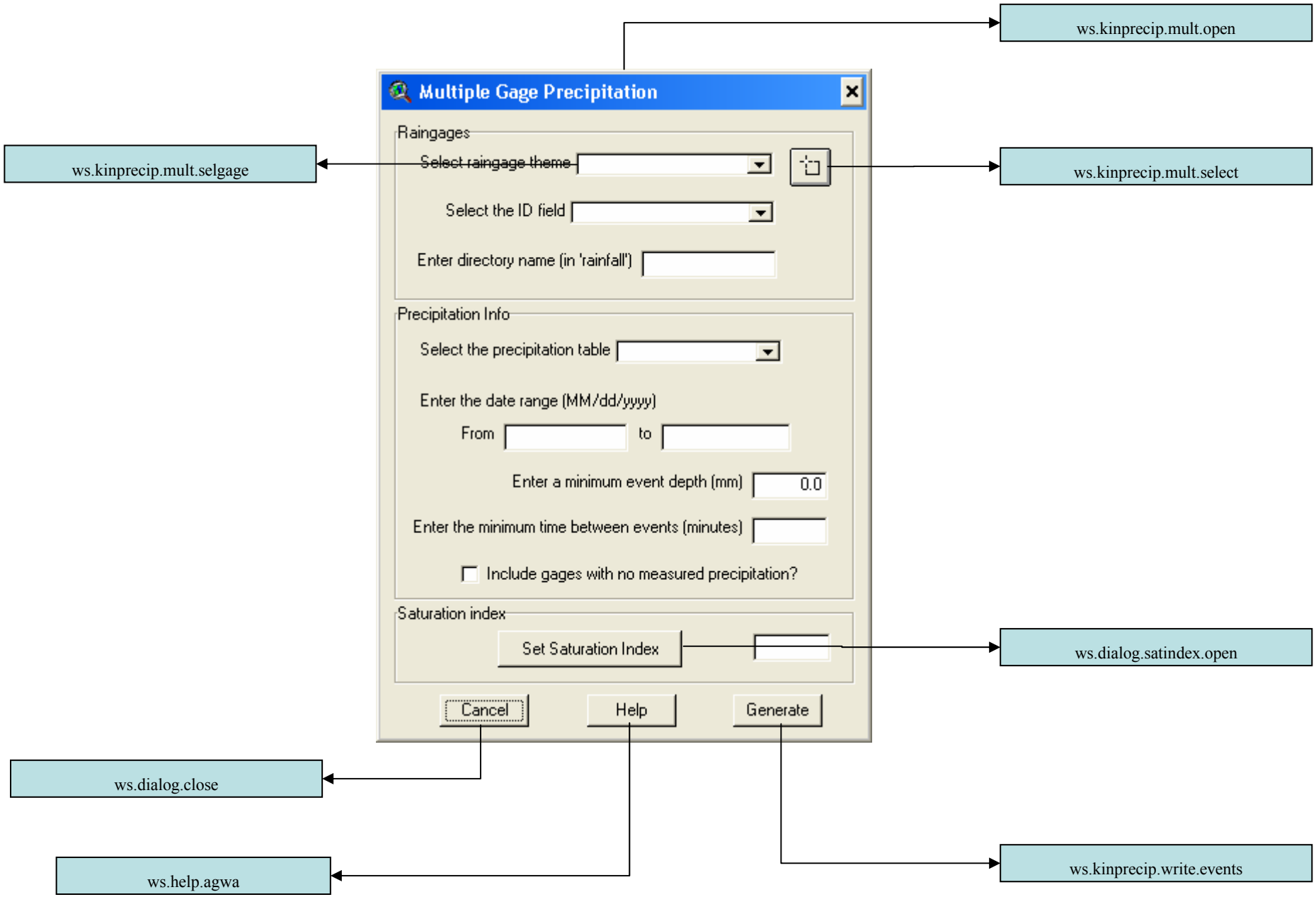
ws_hydgeometry



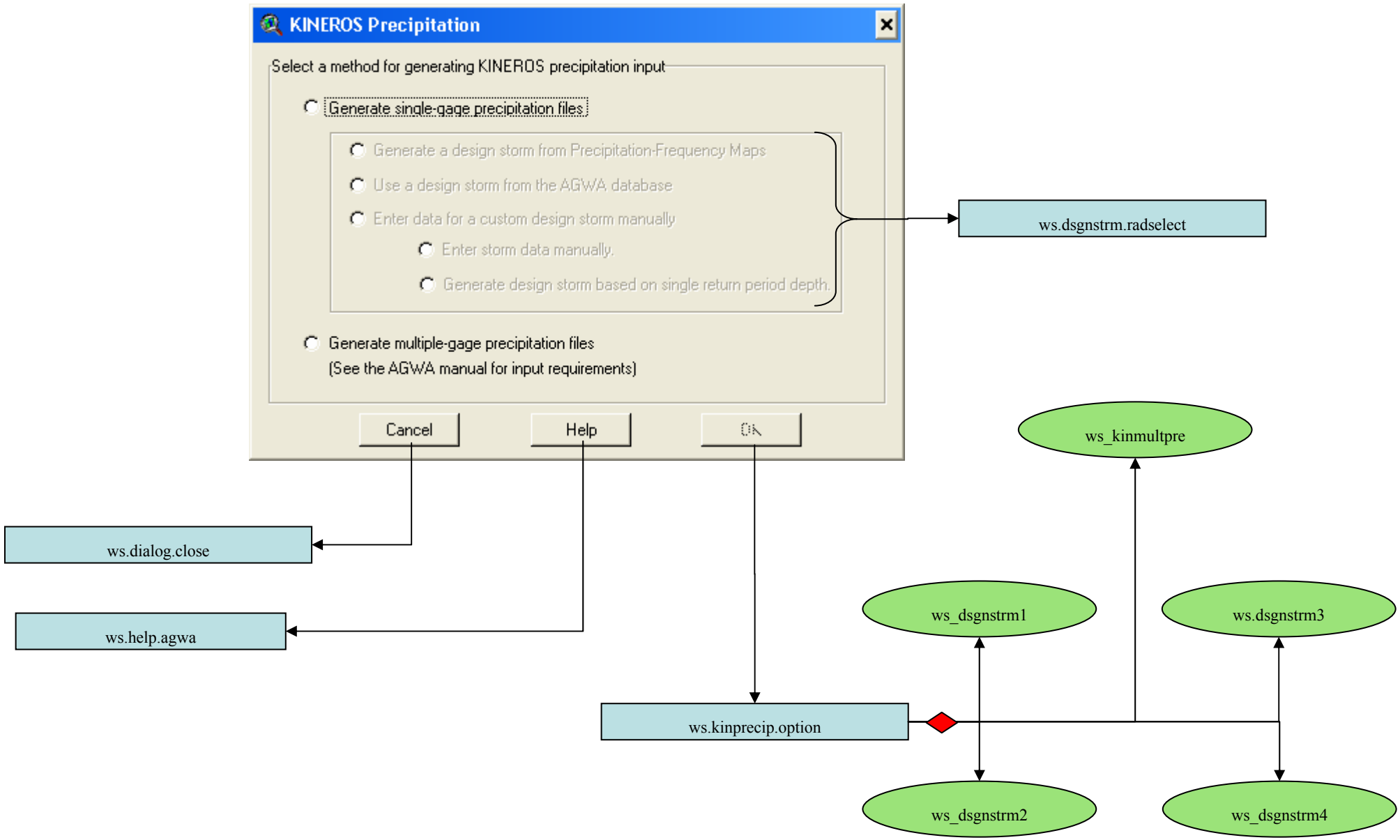
ws_kinBatch


ws.dialog.kinbatch.createsim
KINEROS Simulation Inputs
Simulation Setup
Enter simulation name
Create simulation
Tabular outputs
Include tabulated results in output?
Watershed Selection
Select a watershed
Select parameter file
Write new file
Import file
Select precipitation file
Browse
Add to sim
Simulation Components
Watershed
Parameter File
Precipitation File
Remove entry
* Please note that element hydrographs will only be imported
for simulations with one parameter/precipitation file pair.
Cancel
Help
Run KINEROS
ws.dialog.kinbatch.selws
ws.dialog.kinbatch.selpar
ws.dialog.kinbatch.writepar.open
ws.dialog.kinbatch.importpar
ws.dialog.kinbatch.browsepre
ws.dialog.kinbatch.addtosim
ws.dialog.kinbatch.selpre
ws.dialog.kinbatch.remove
KINEROS2_AGWA
ws.dialog.close
ws.help.agwa
ws.dialog.kinbatch.runkin
ws.dialog.kinbatch.runkin.delay

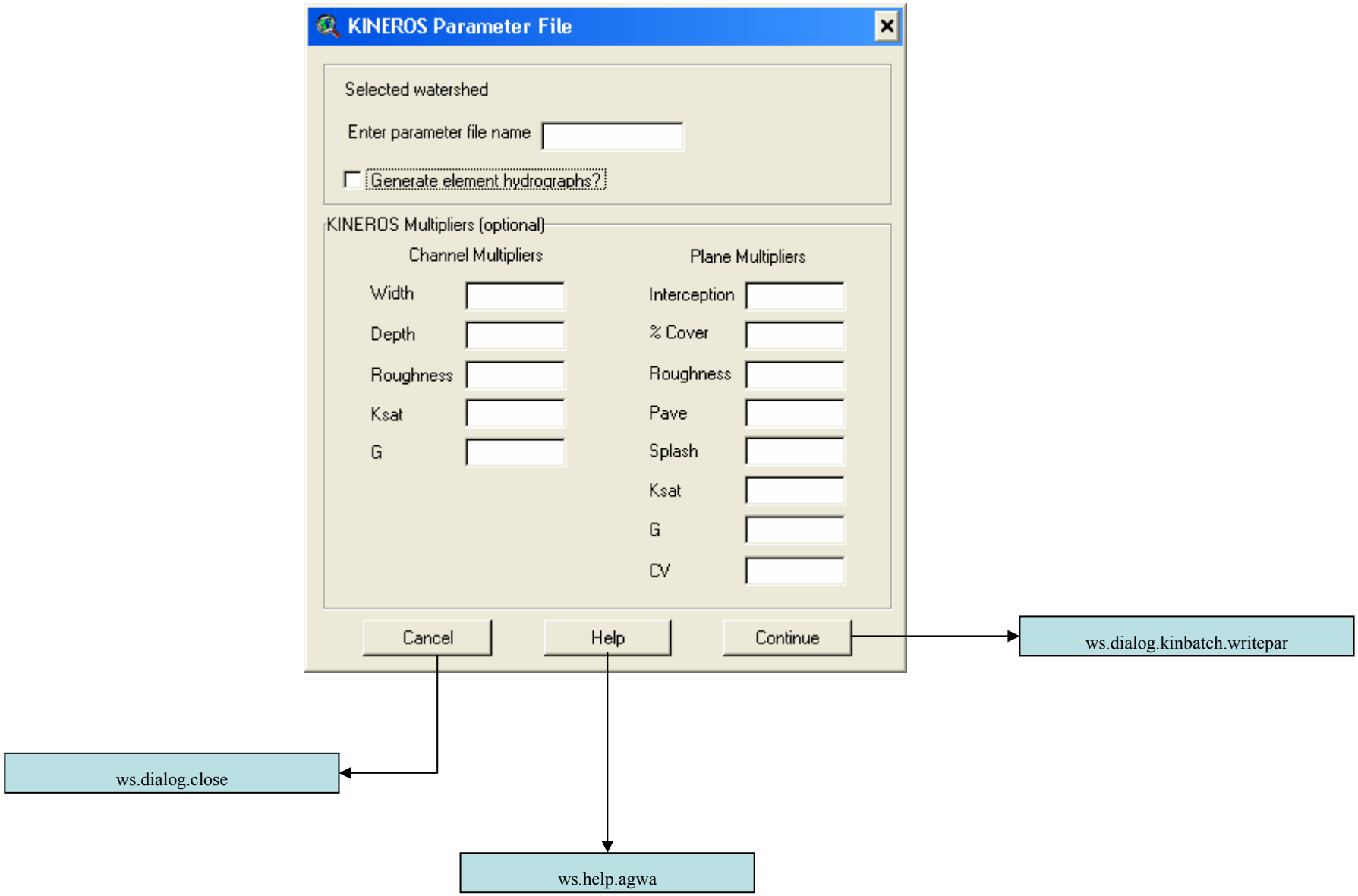
ws_kinMultPre



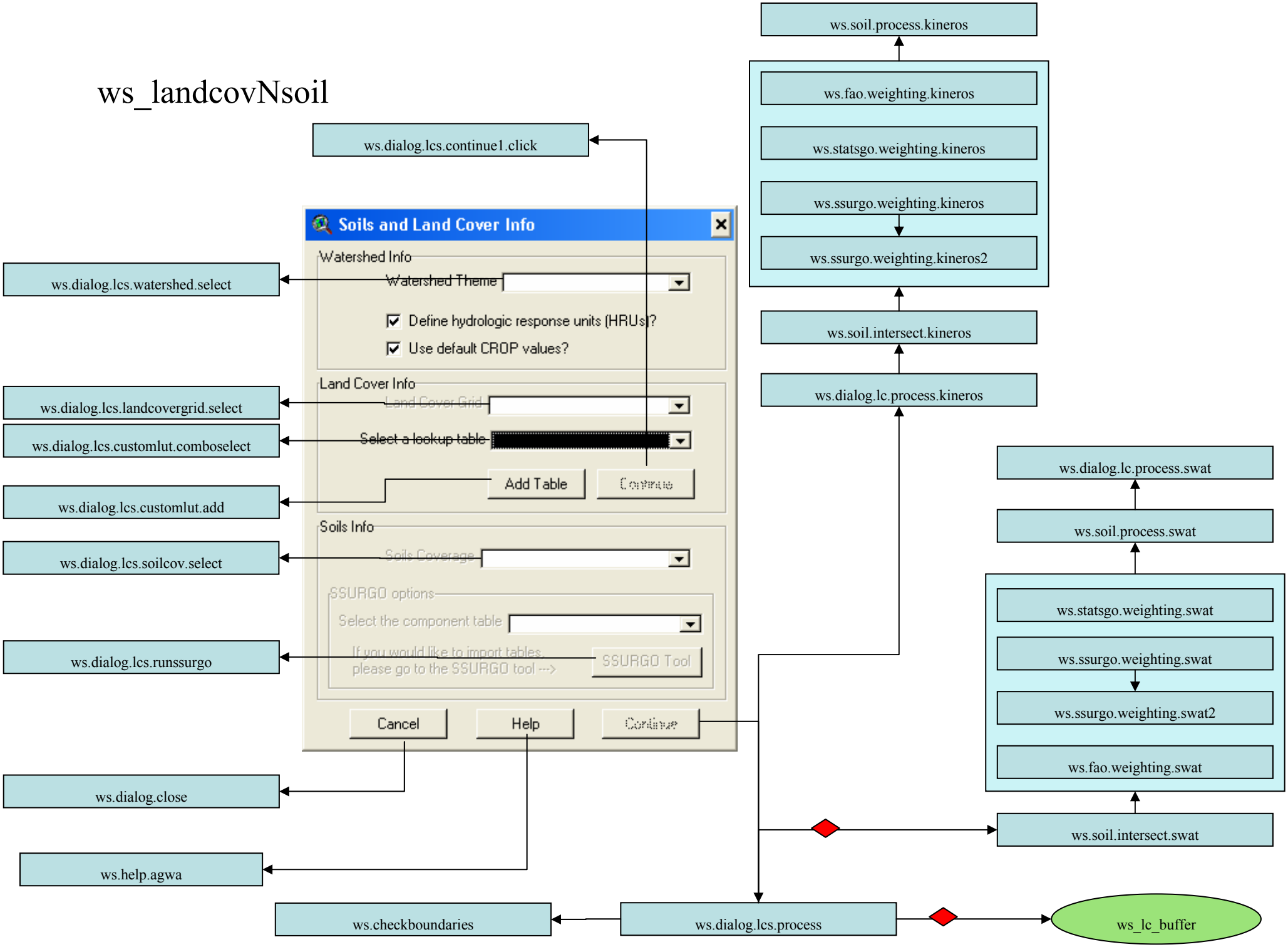
ws_kinpptfork



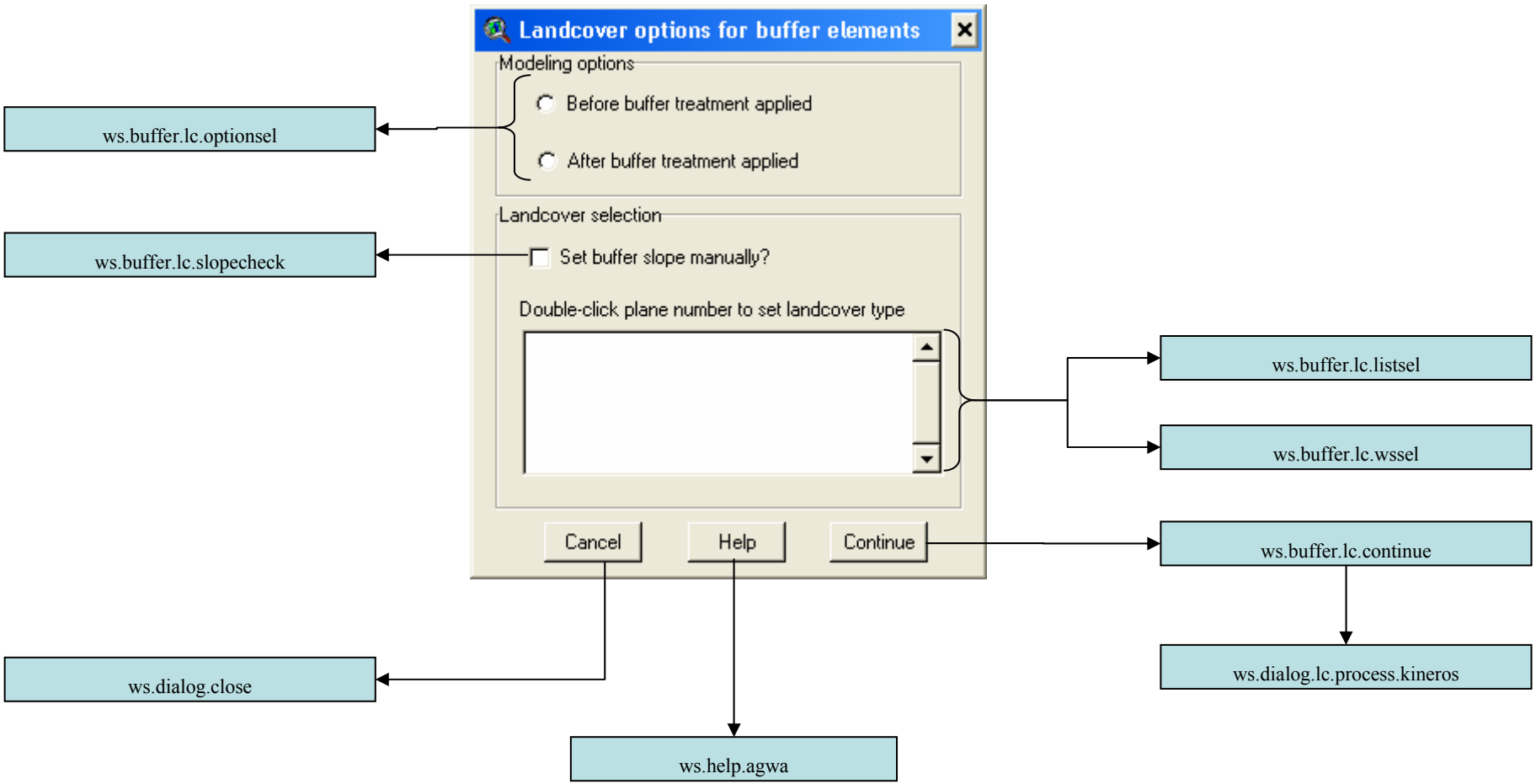
ws_kinrun


KINEROS Parameter File
Selected watershed
Enter parameter file name
Generate element hydrographs?
KINEROS Multipliers (optional)
Channel Multipliers
Width
Depth
Roughness
Ksat
G
Plane Multipliers
Interception
% Cover
Roughness
Pave
Splash
Ksat
G
CV
Cancel
Help
Continue
ws.dialog.kinbatch.writepar
ws.dialog.close
ws.help.agwa

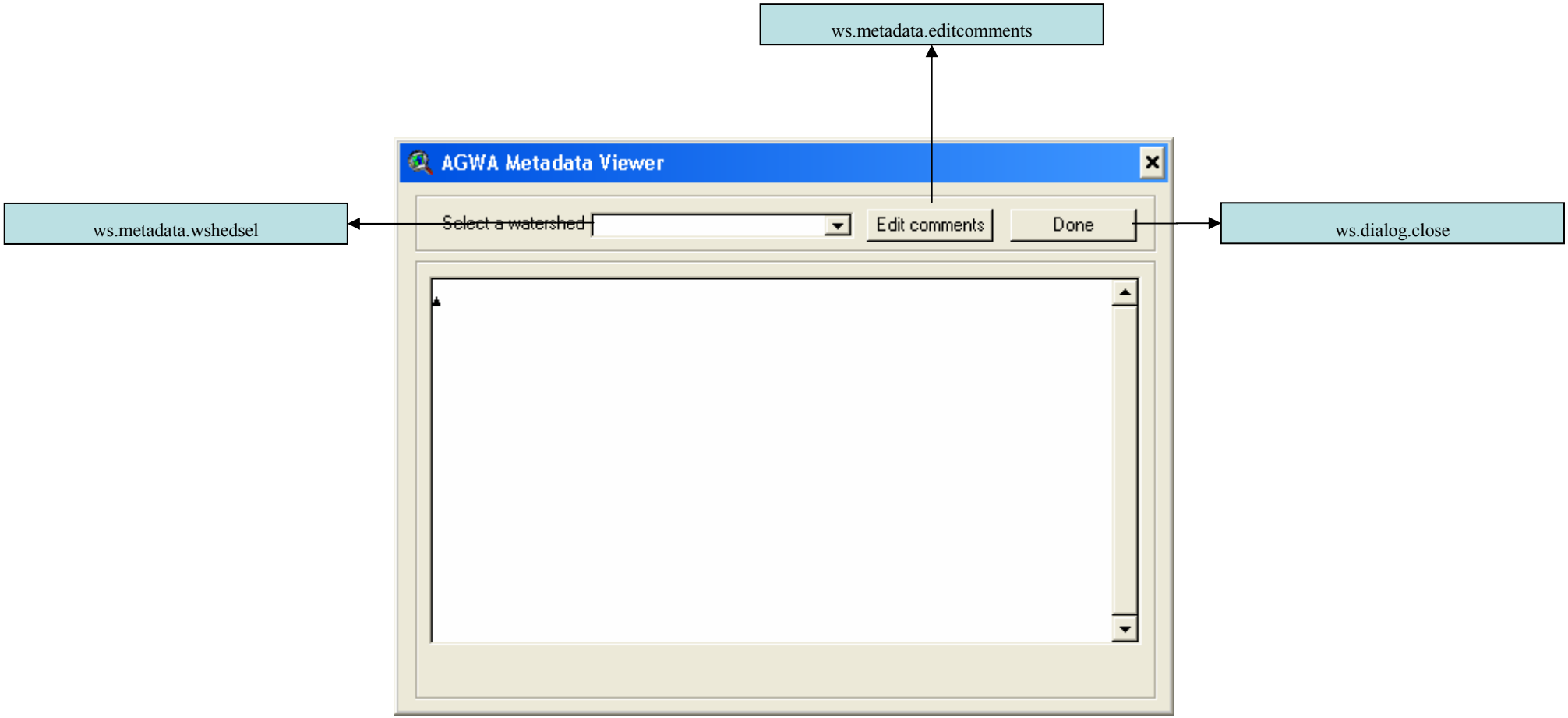
ws_landcovNsoil



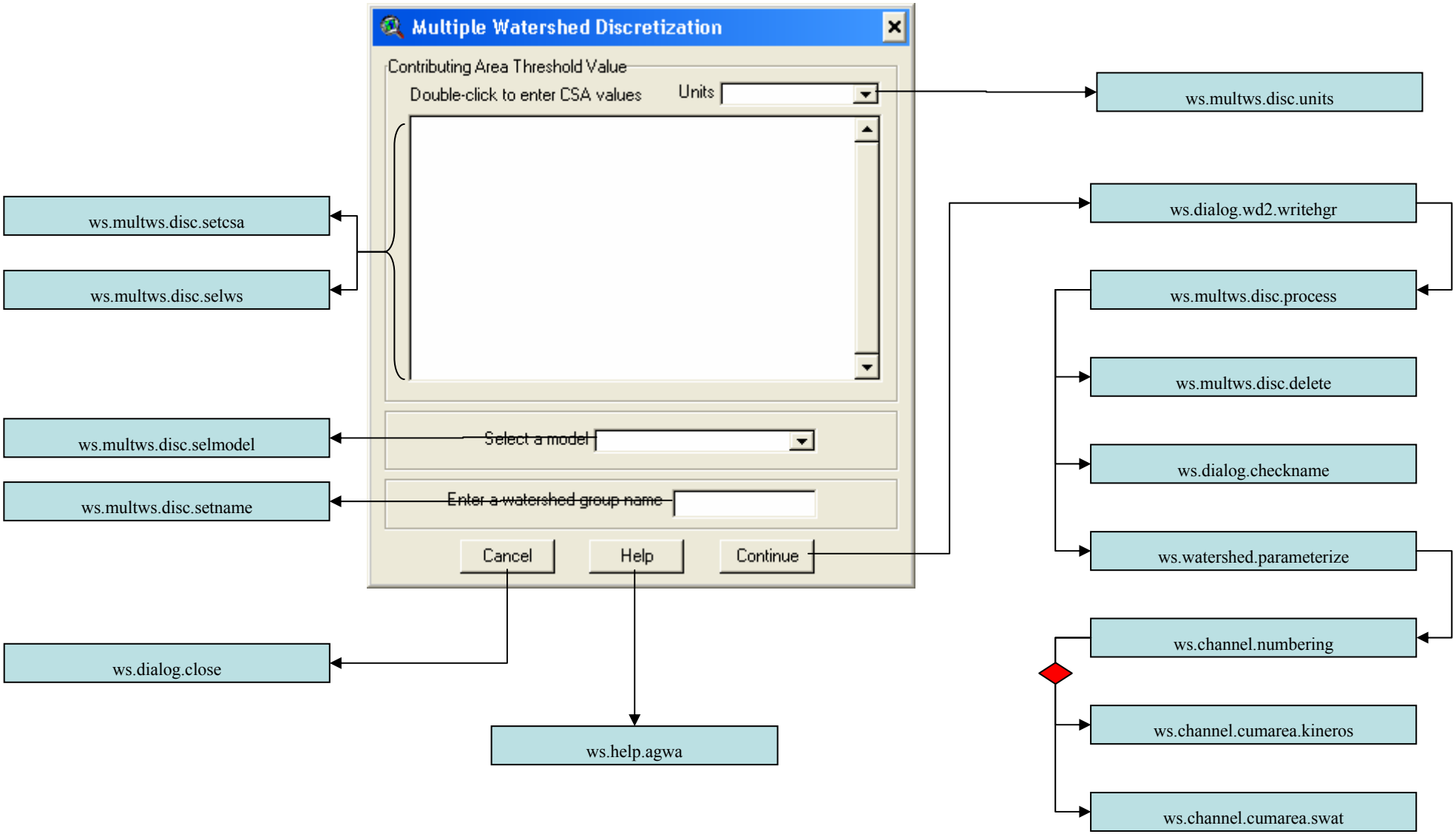
ws_lc_buffer


Landcover options for buffer elements
Modeling options
Before buffer treatment applied
After buffer treatment applied
Landcover selection
Set buffer slope manually?
Double-click plane number to set landcover type
Cancel
Help
Continue
ws.buffer.lc.optionsel
ws.buffer.lc.slopecheck
ws.buffer.lc.listsel
ws.buffer.lc.wssel
ws.buffer.lc.continue
ws.dialog.lc.process.kineros
ws.dialog.close
ws.help.agwa

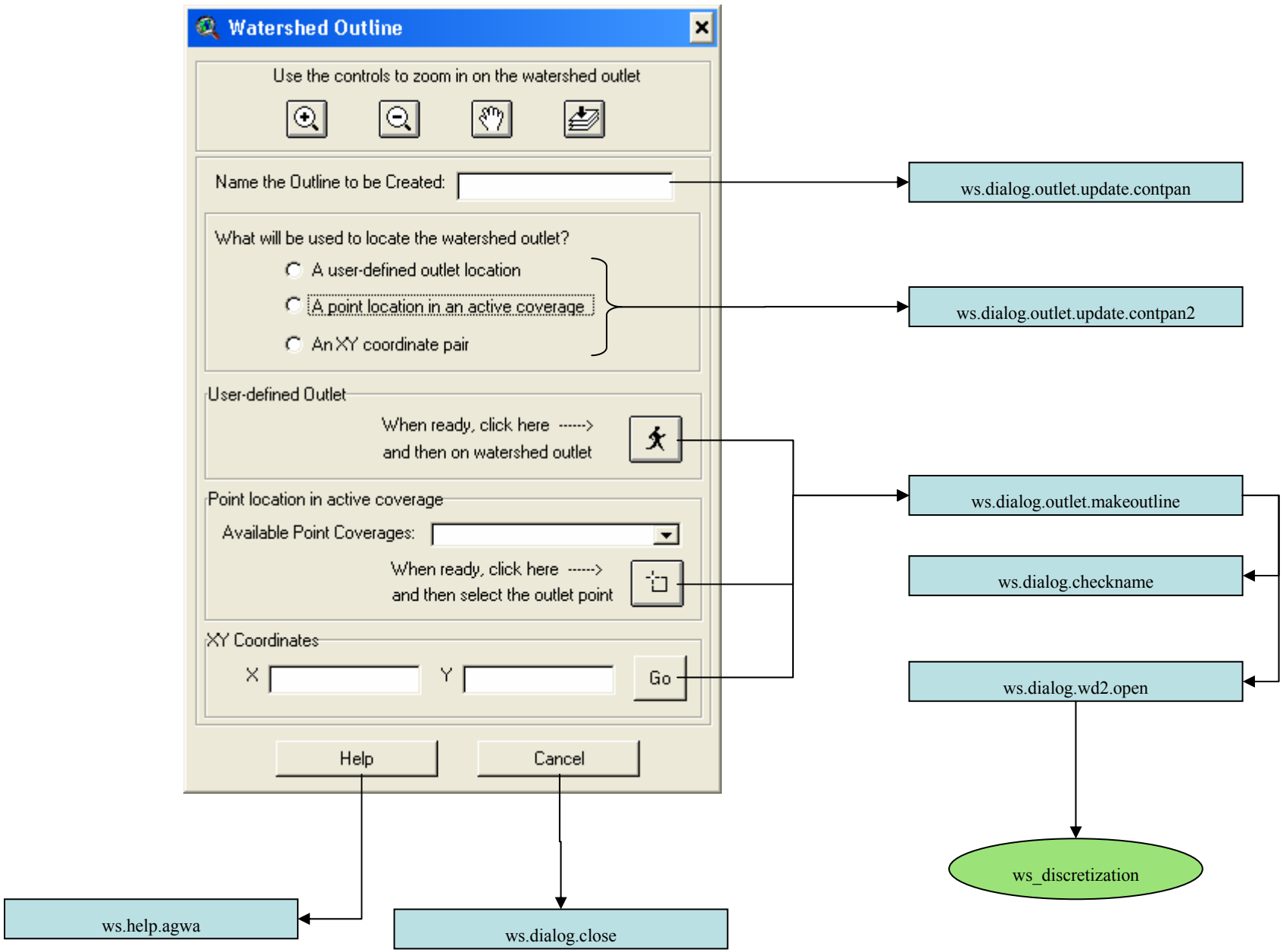
ws_metadata


ws.metadata.editcomments
AGWA Metadata Viewer
ws.metadata.wshedsel
Select a watershed
Edit comments
Done
ws.dialog.close

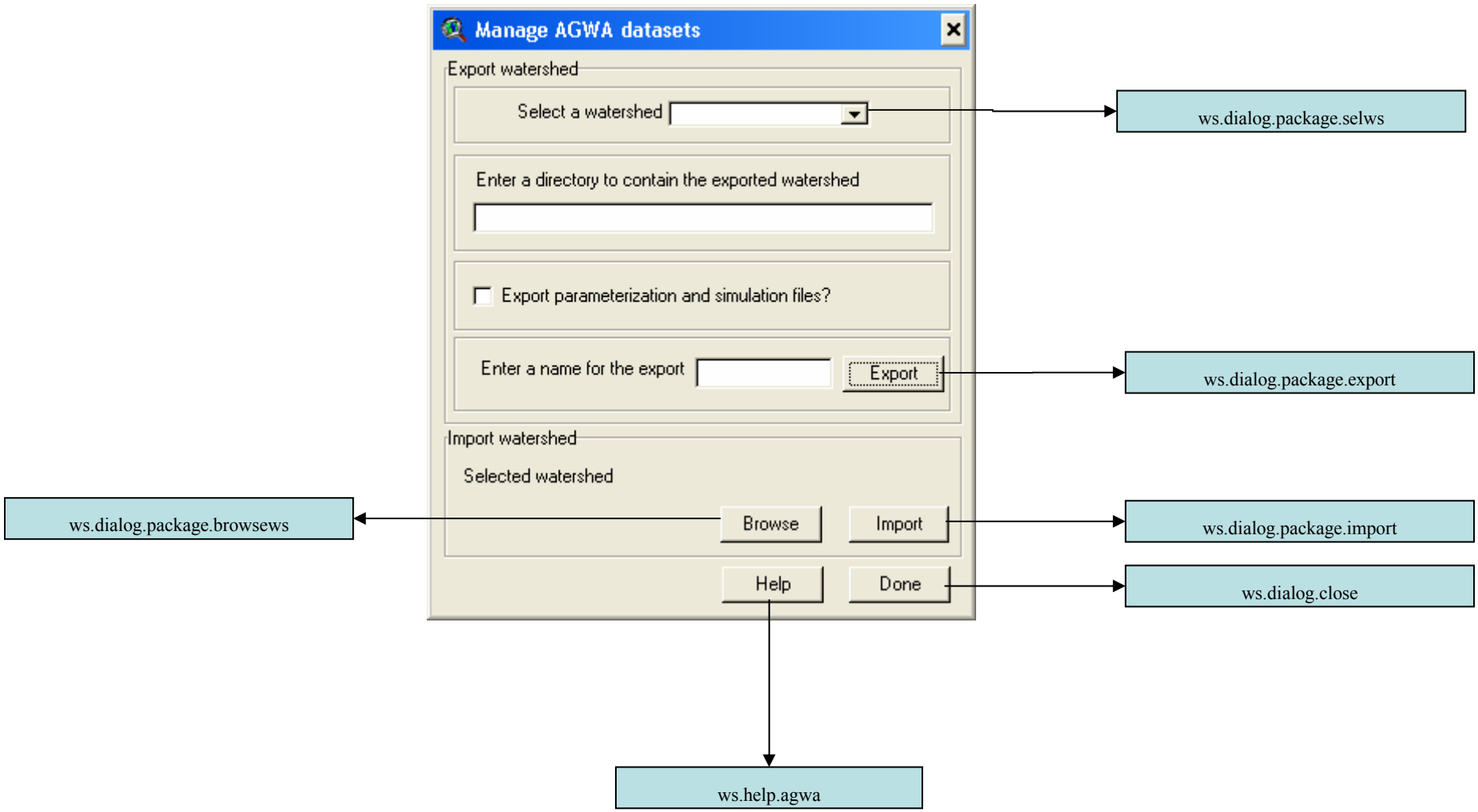
ws_multdisc


Multiple Watershed Discretization
Contributing Area Threshold Value
Double-click to enter CSA values
Units
Select a model
Enter a watershed group name
Cancel
Help
Continue
ws.multws.disc.units
ws.multws.disc.setcsa
ws.multws.disc.selws
ws.dialog.wd2.writehgr
ws.multws.disc.process
ws.multws.disc.delete
ws.multws.disc.selmodel
ws.dialog.checkname
ws.multws.disc.setname
ws.watershed.parameterize
ws.channel.numbering
ws.dialog.close
ws.channel.cumarea.kineros
ws.help.agwa
ws.channel.cumarea.swat

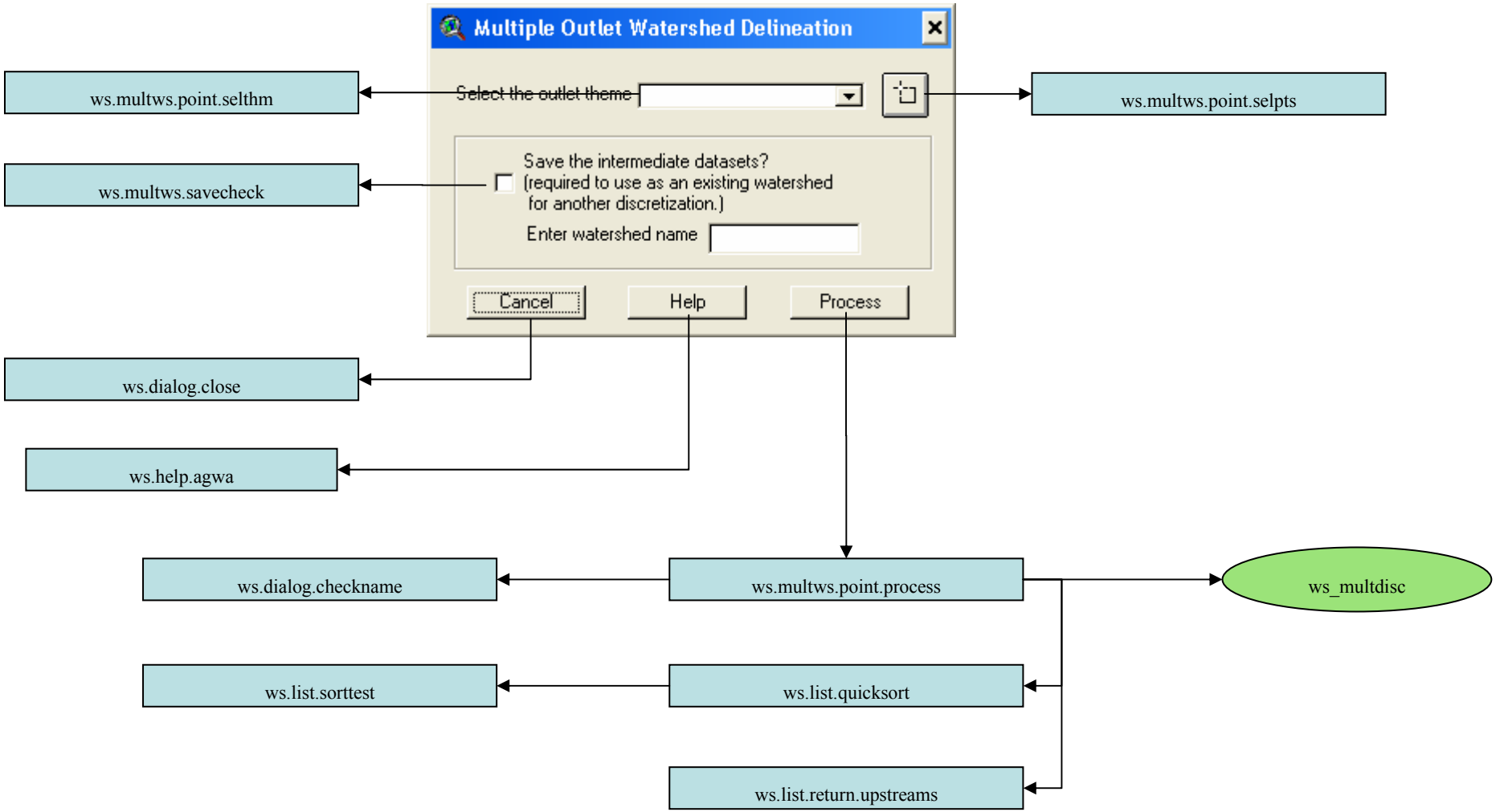
ws_outlet


Watershed Outline
Use the controls to zoom in on the watershed outlet
Name the Outline to be Created:
What will be used to locate the watershed outlet?
A user-defined outlet location
A point location in an active coverage
An XY coordinate pair
User-defined Outlet
When ready, click here ------>
and then on watershed outlet
Point location in active coverage
Available Point Coverages:
When ready, click here ------>
and then select the outlet point
XY Coordinates
X
Y
Go
Help
Cancel
ws.dialog.outlet.update.contpan
ws.dialog.outlet.update.contpan2
ws.dialog.outlet.makeoutline
ws.dialog.checkname
ws.dialog.wd2.open
ws_discretization
ws.help.agwa
ws.dialog.close

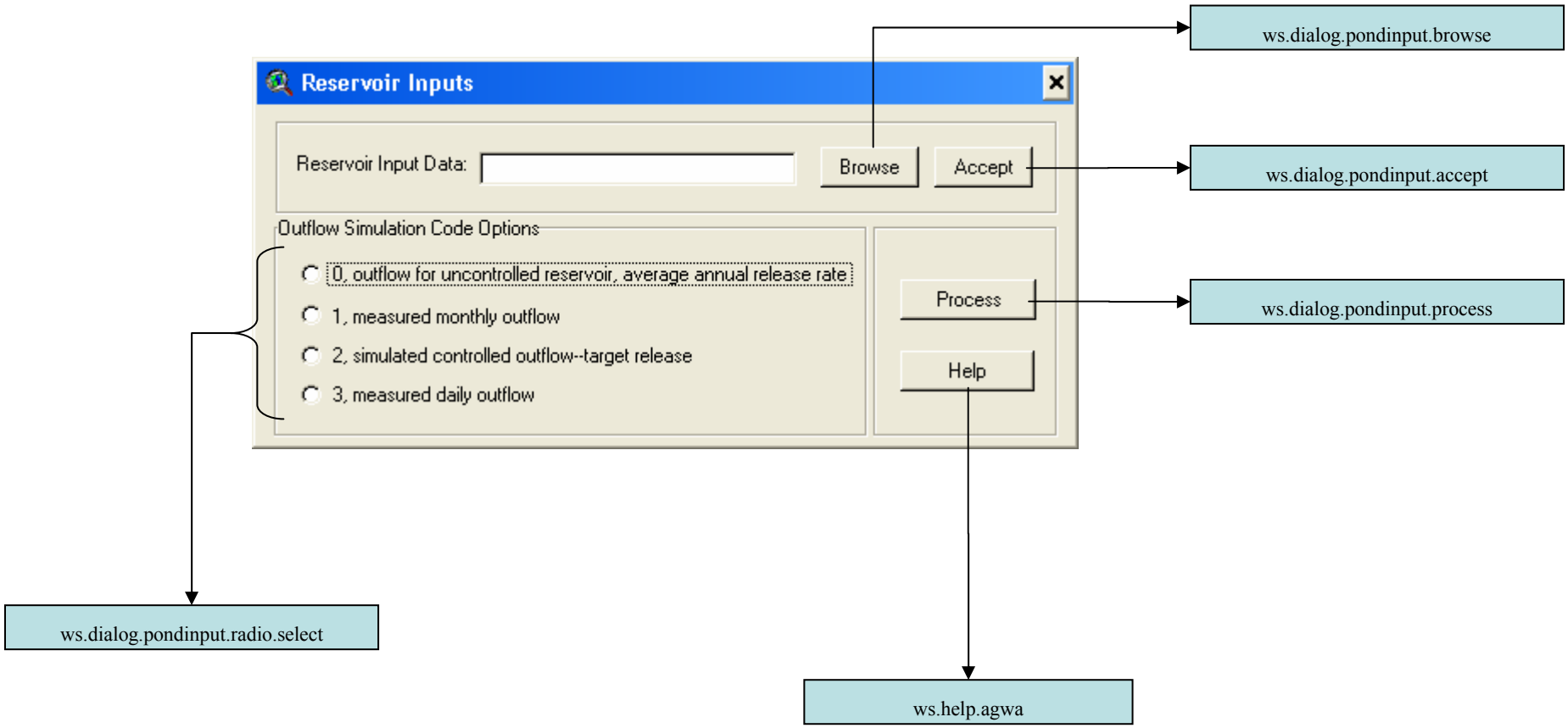
ws_packagews



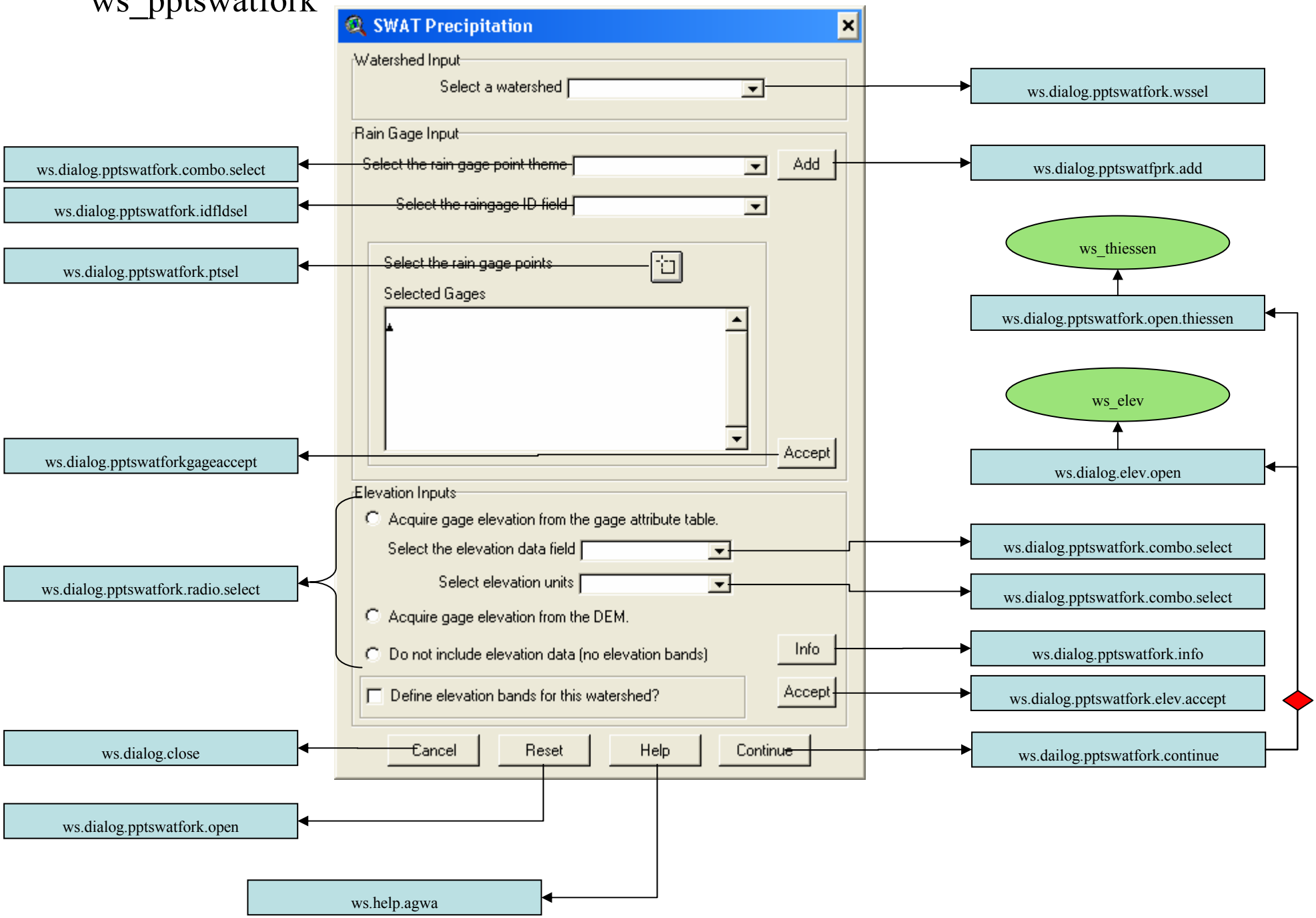
ws_pointdelin



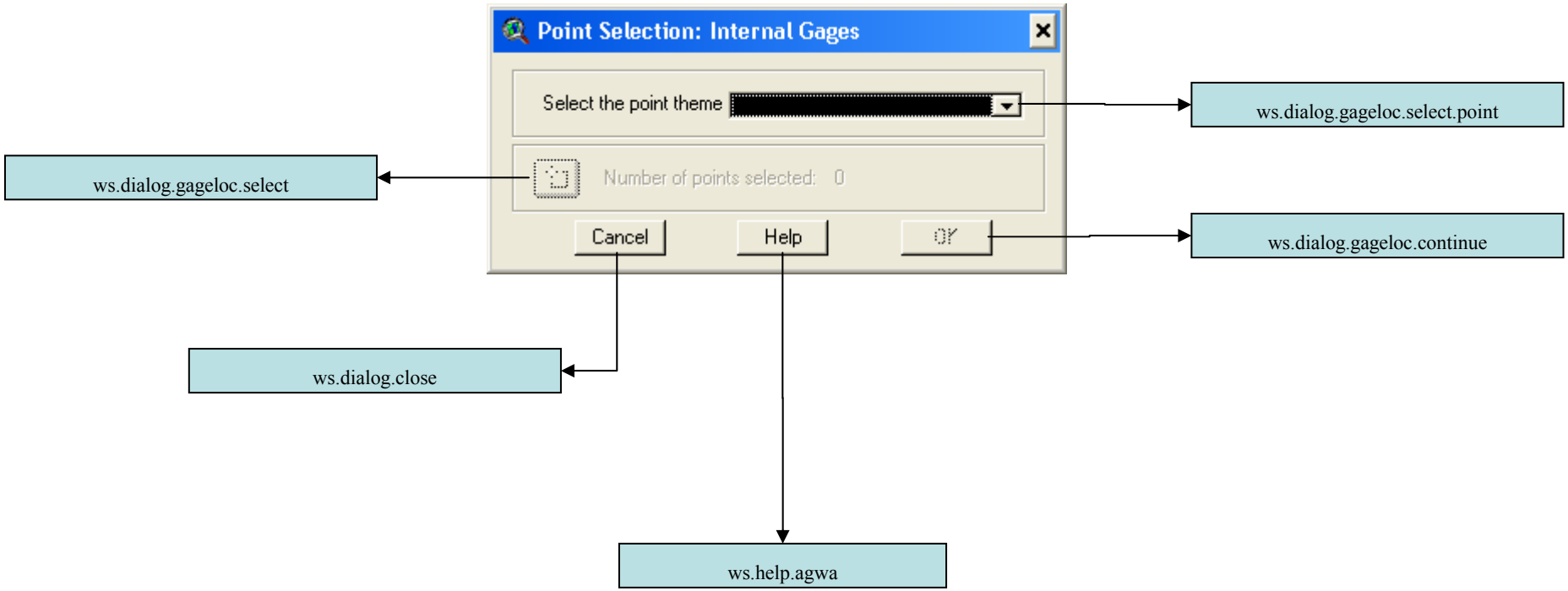
ws_pondinput



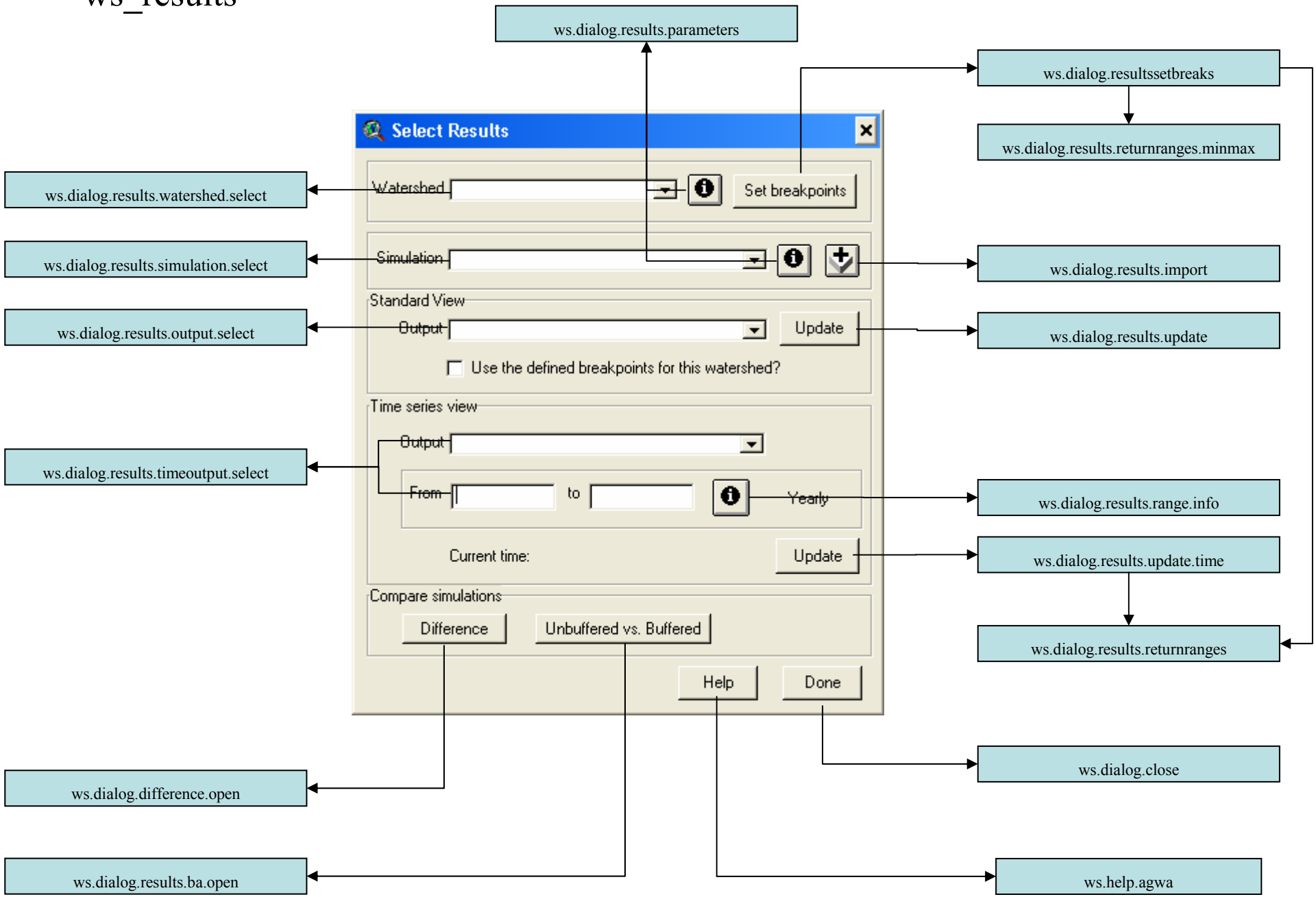
ws_pptswatfork



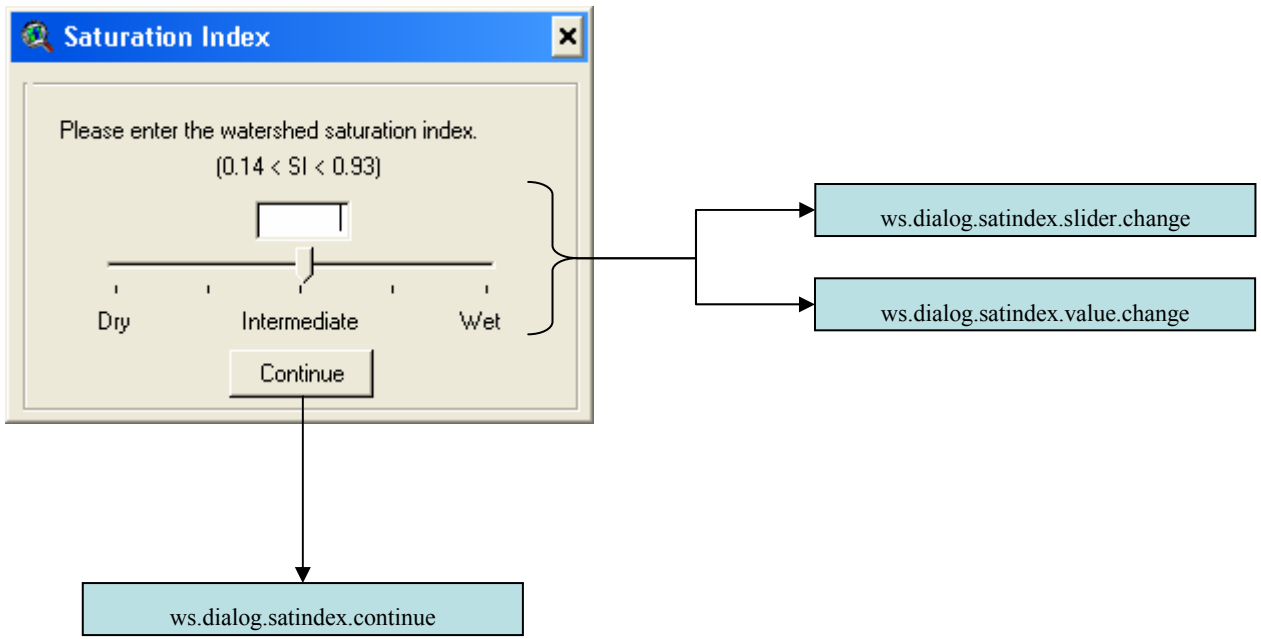
ws_ptselect


Point Selection: Internal Gages
Select the point theme
Number of points selected: 0
Cancel
Help
OK
ws.dialog.gageloc.select.point
ws.dialog.gageloc.select
ws.dialog.gageloc.continue
ws.dialog.close
ws.help.agwa

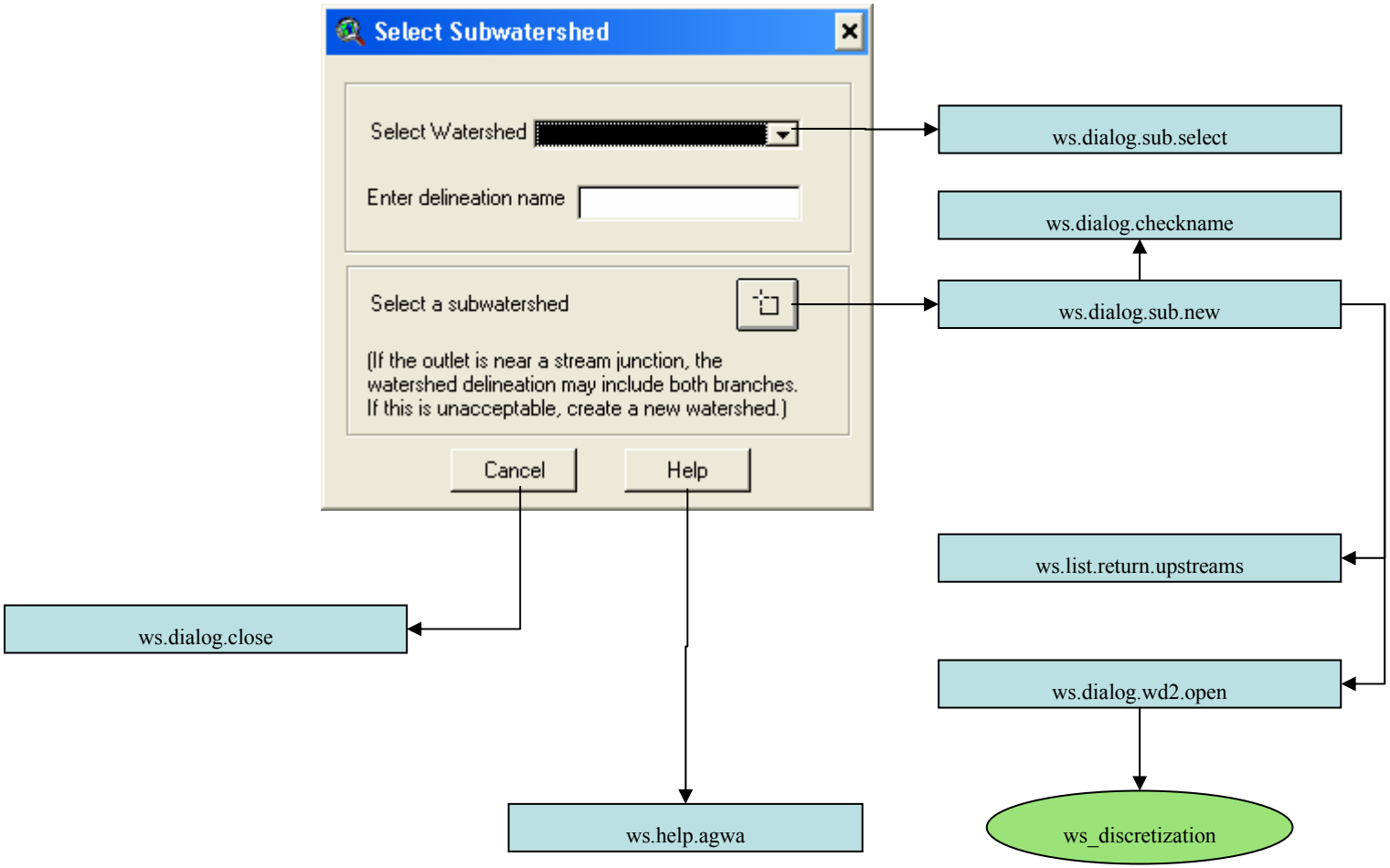
ws_results


ws.dialog.results.parameters
ws.dialog.resultssetbreaks
ws.dialog.results.returnranges.minmax
Select Results
Watershed
Set breakpoints
ws.dialog.results.watershed.select
Simulation
ws.dialog.results.simulation.select
ws.dialog.results.import
Standard View
Output
Update
ws.dialog.results.output.select
ws.dialog.results.update
Use the defined breakpoints for this watershed?
Time series view
Output
ws.dialog.results.timeoutput.select
From
to
Yearly
ws.dialog.results.range.info
Current time:
Update
ws.dialog.results.update.time
Compare simulations
Difference
Unbuffered vs. Buffered
ws.dialog.results.returnranges
Help
Done
ws.dialog.close
ws.dialog.difference.open
ws.dialog.results.ba.open
ws.help.agwa

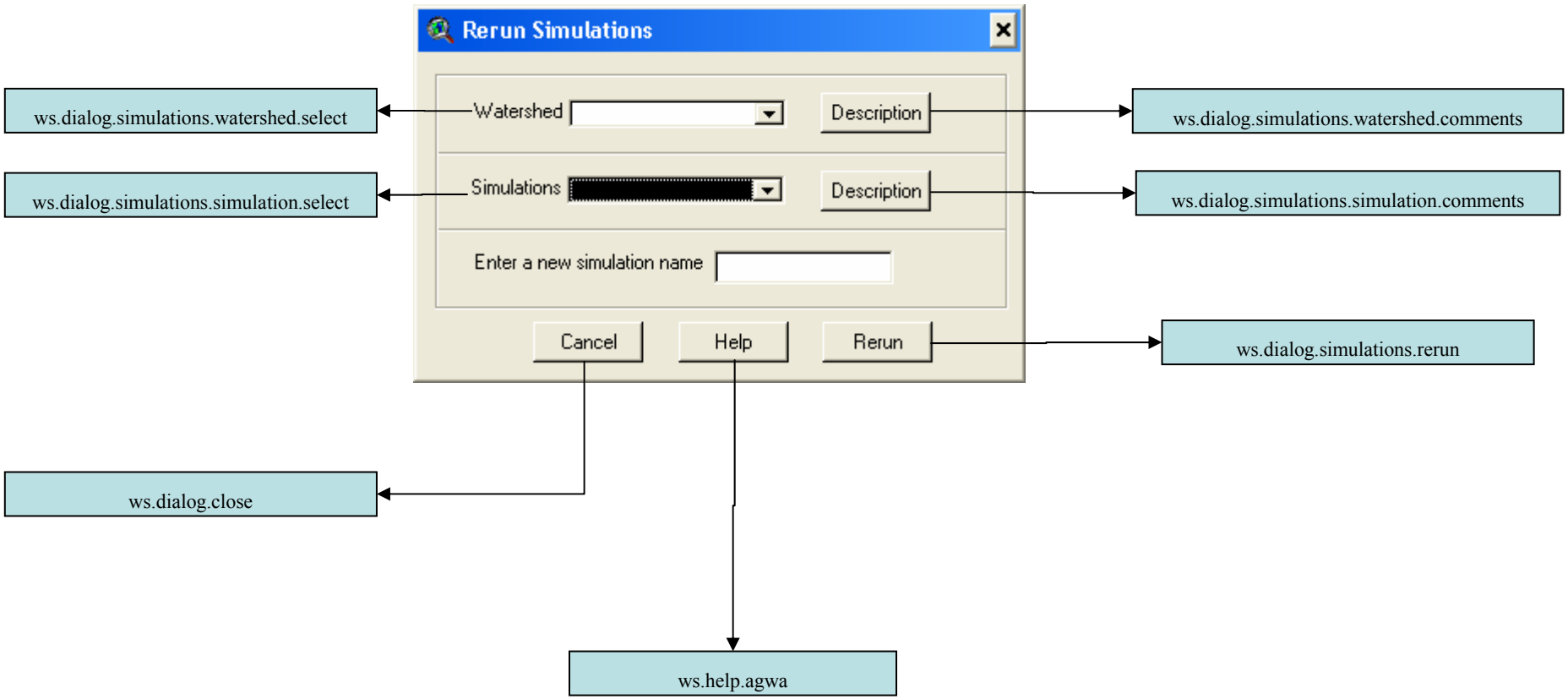
ws_satindex


Saturation Index
Please enter the watershed saturation index.
(0.14 < SI < 0.93)
Dry
Intermediate
Wet
Continue
ws.dialog.satindex.slider.change
ws.dialog.satindex.value.change
ws.dialog.satindex.continue

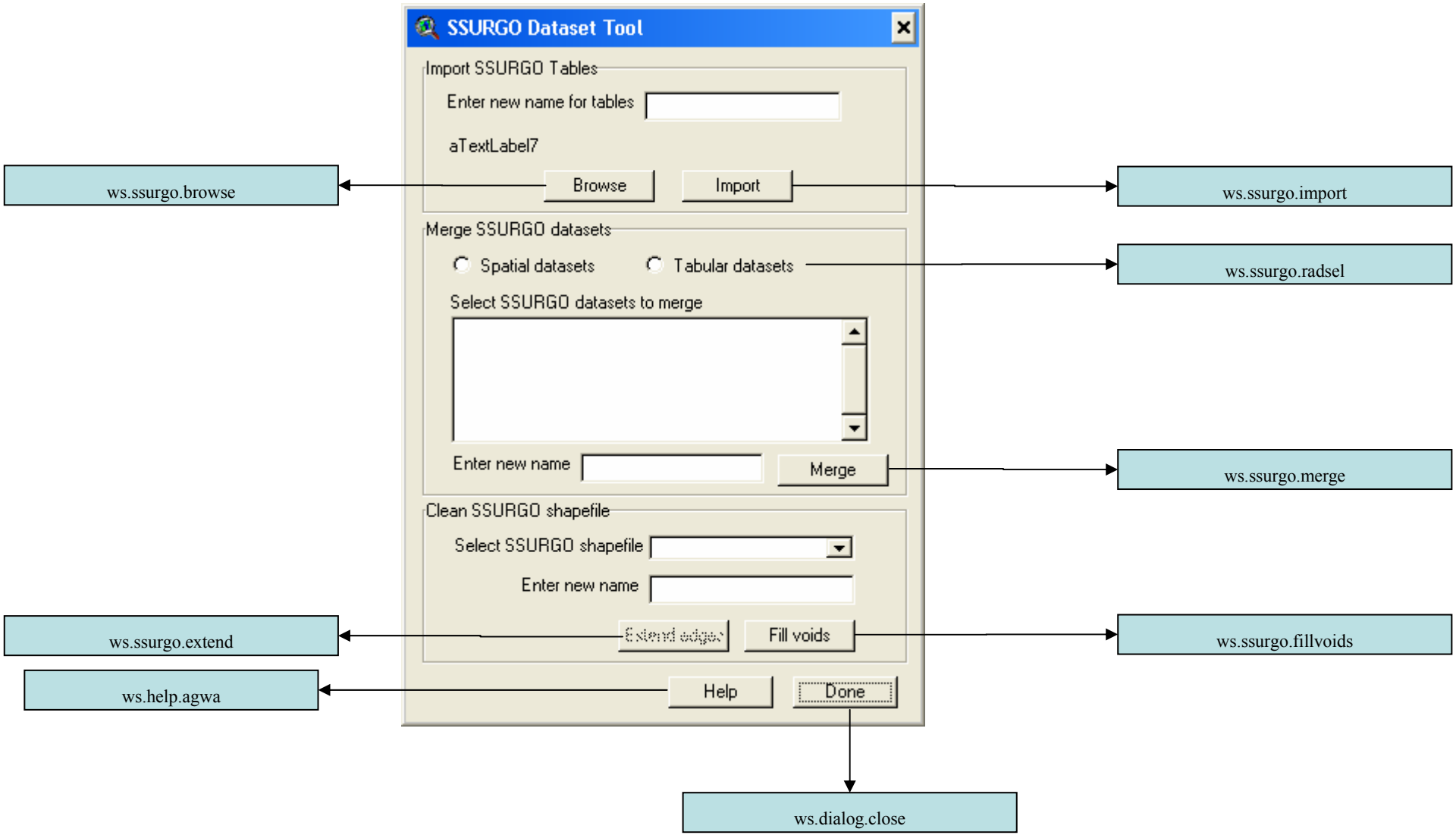
ws_select_subws



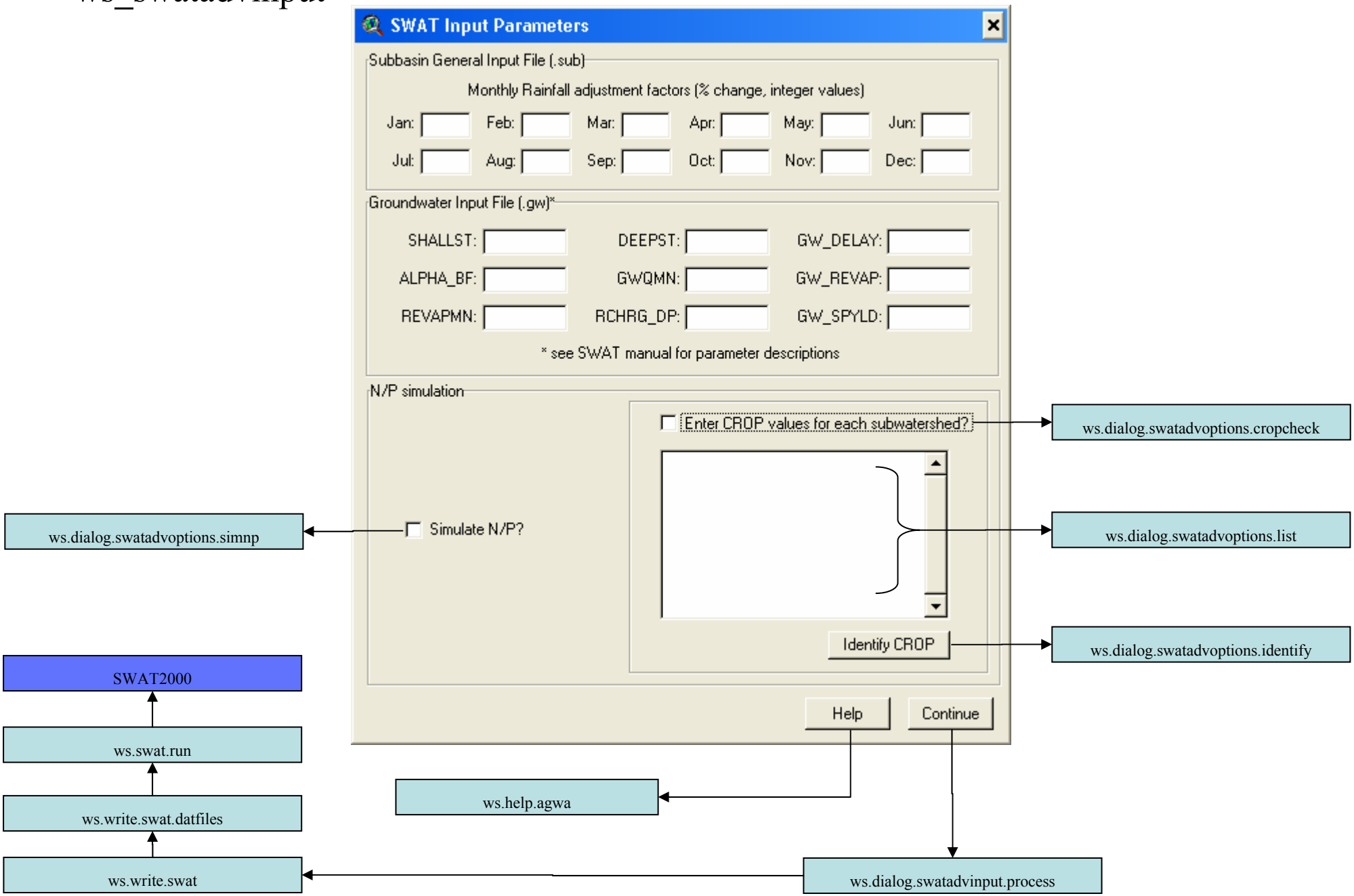
ws_simulations



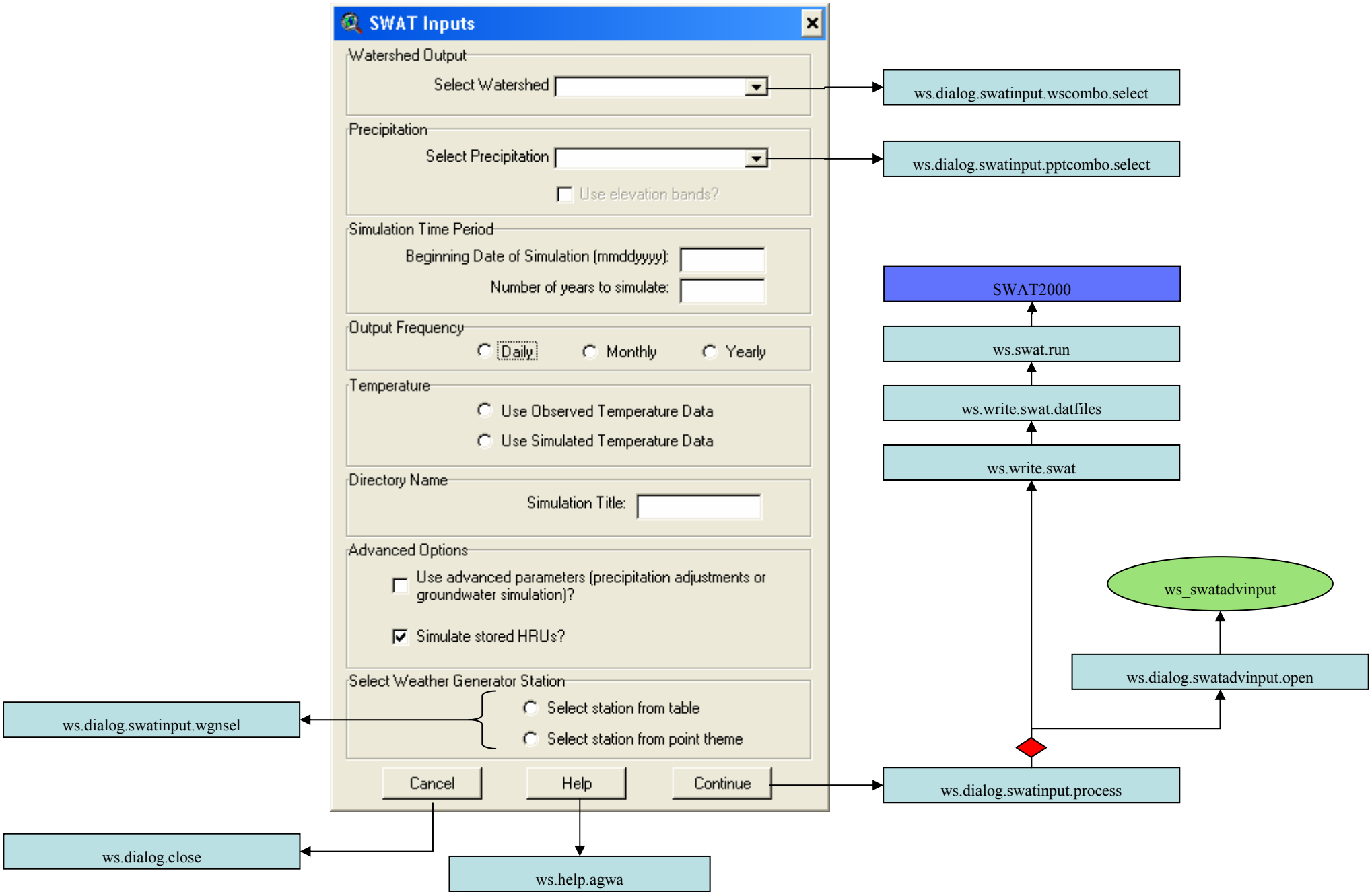
ws_ssurgotool



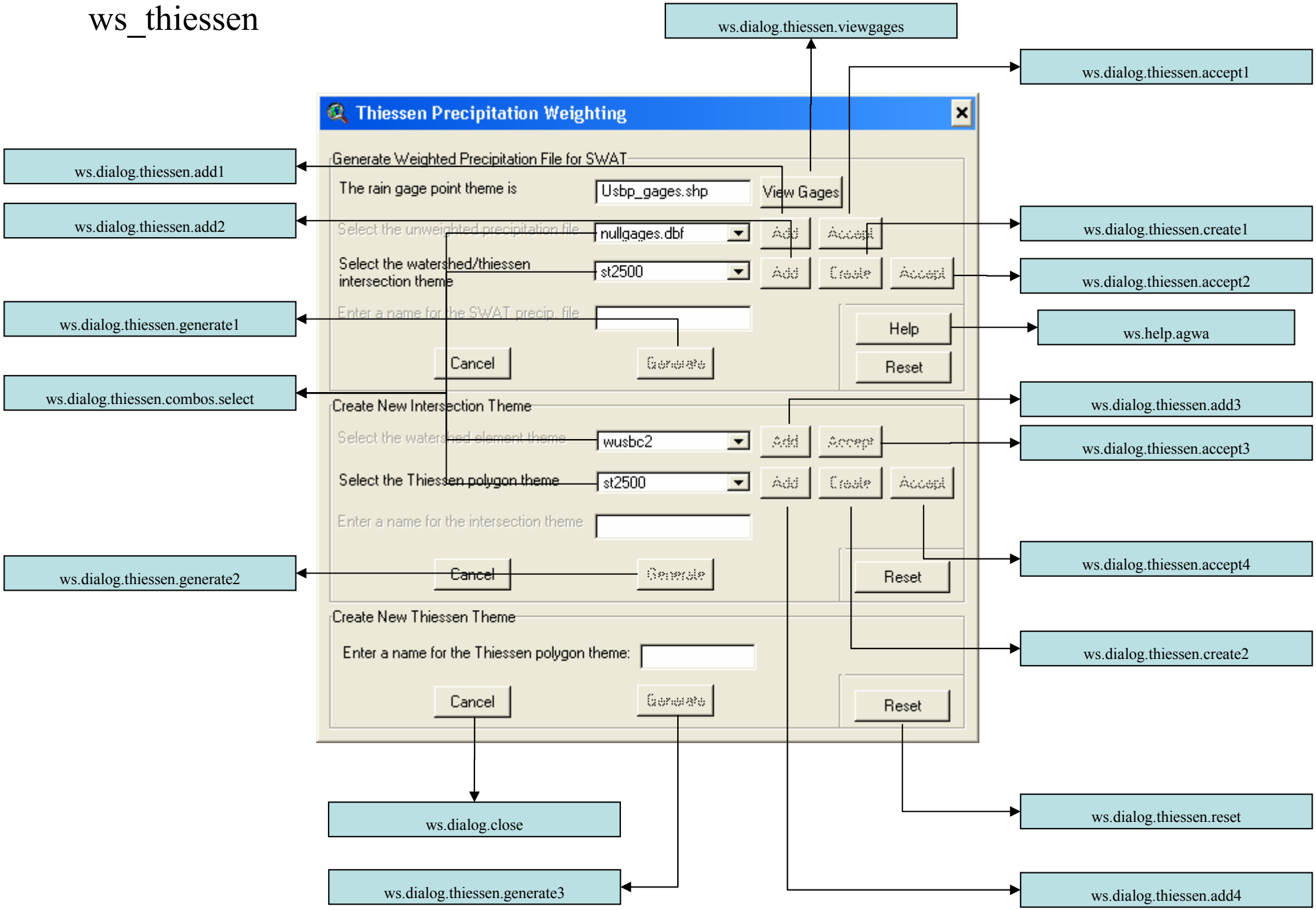
ws_swatadvinput



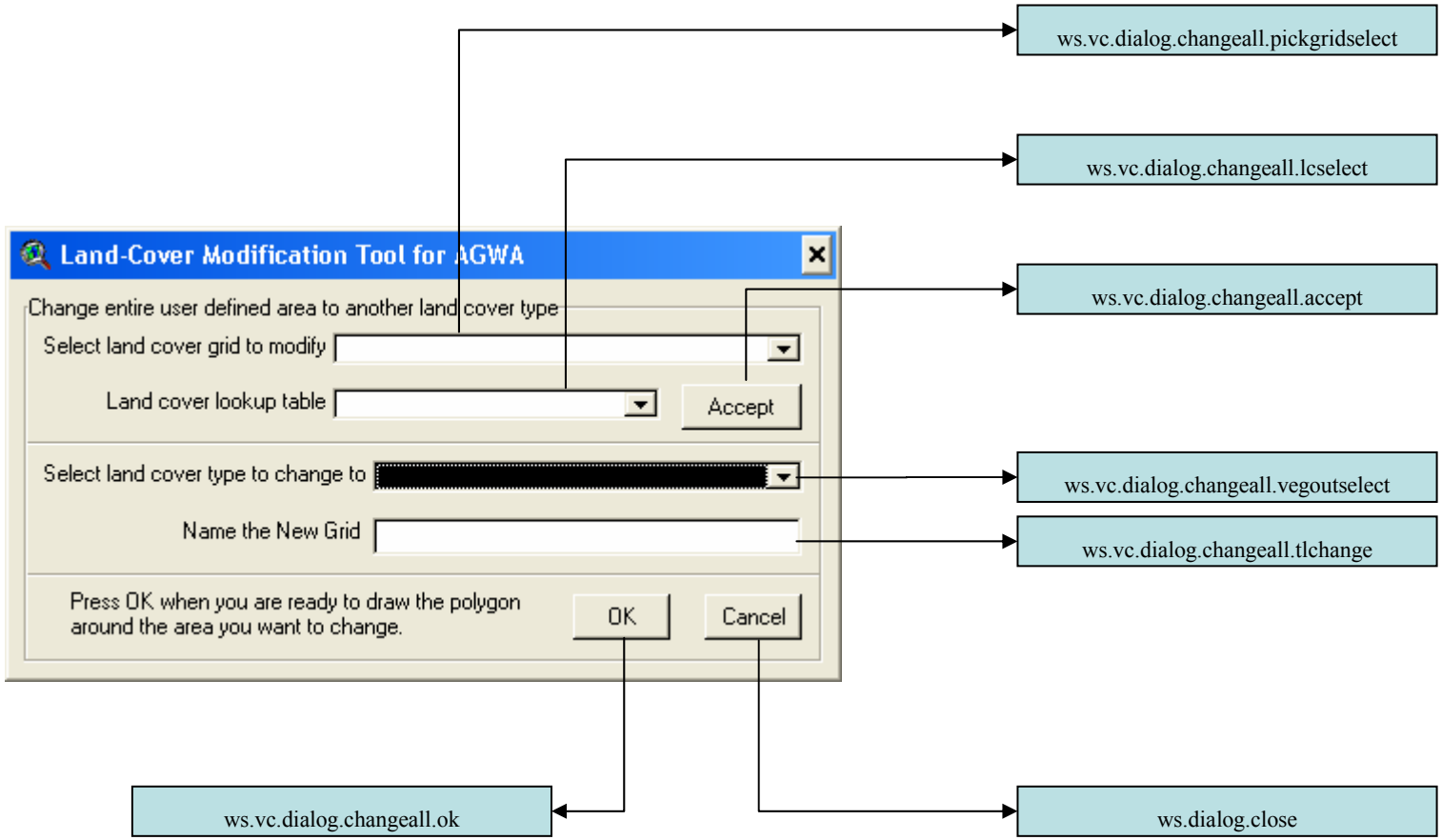
ws_swatinput



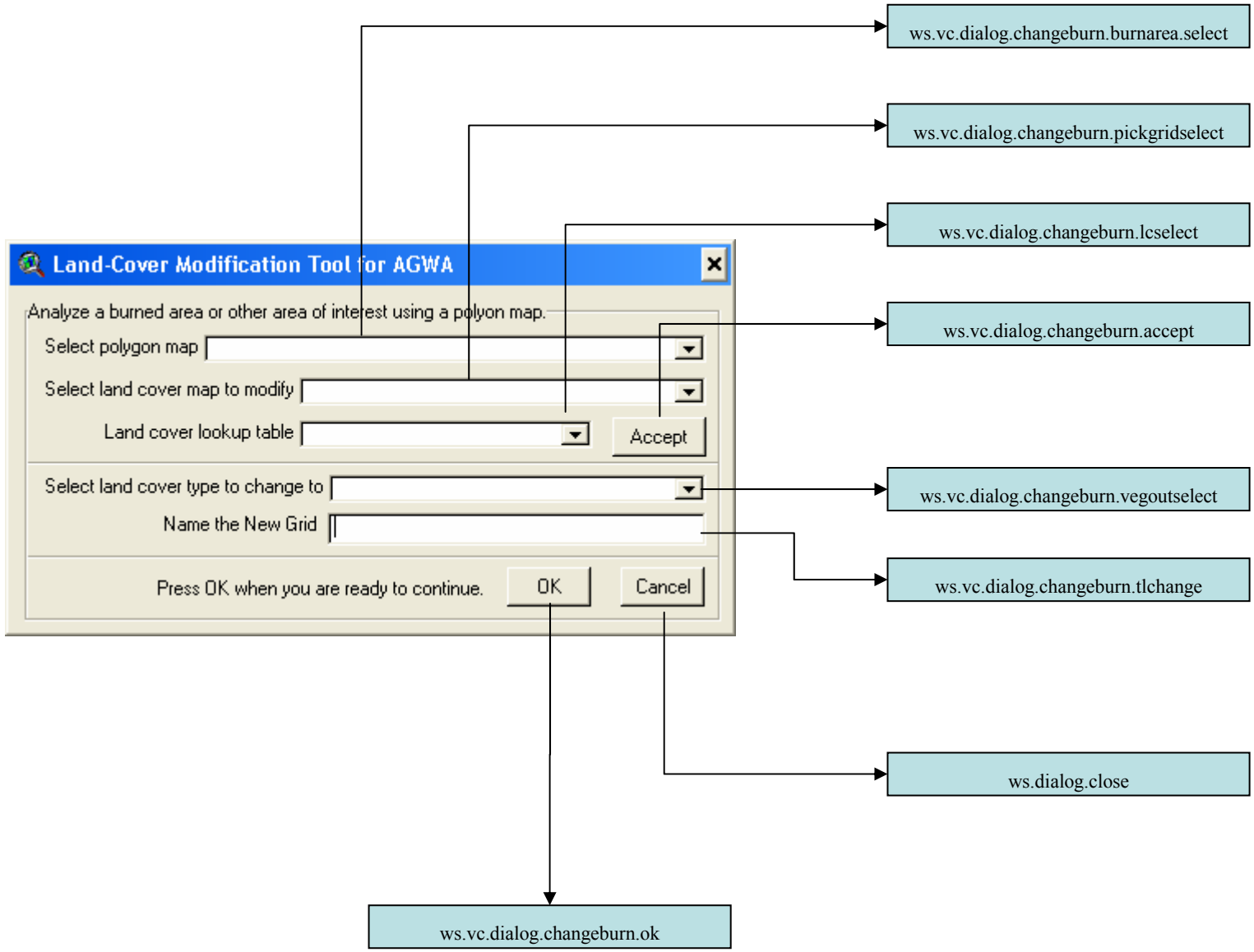
ws_thiessen


ws.dialog.thiessen.viewgages
ws.dialog.thiessen.accept1
Thiessen Precipitation Weighting
ws.dialog.thiessen.add1
Generate Weighted Precipitation File for SWAT
The rain gage point theme is
Usbp_gages.shp
View Gages
ws.dialog.thiessen.add2
Select the unweighted precipitation file
nullgages.dbf
Add
Accept
ws.dialog.thiessen.create1
Select the watershed/thiessen intersection theme
st2500
Add
Create
Accept
ws.dialog.thiessen.accept2
ws.dialog.thiessen.generate1
Enter a name for the SWAT precip. file
Help
ws.help.agwa
Cancel
Generate
Reset
ws.dialog.thiessen.combos.select
Create New Intersection Theme
ws.dialog.thiessen.add3
Select the watershed element theme
wusbc2
Add
Accept
ws.dialog.thiessen.accept3
Select the Thiessen polygon theme
st2500
Add
Create
Accept
Enter a name for the intersection theme
ws.dialog.thiessen.accept4
ws.dialog.thiessen.generate2
Cancel
Generate
Reset
Create New Thiessen Theme
Enter a name for the Thiessen polygon theme:
ws.dialog.thiessen.create2
Cancel
Generate
Reset
ws.dialog.close
ws.dialog.thiessen.reset
ws.dialog.thiessen.generate3
ws.dialog.thiessen.add4

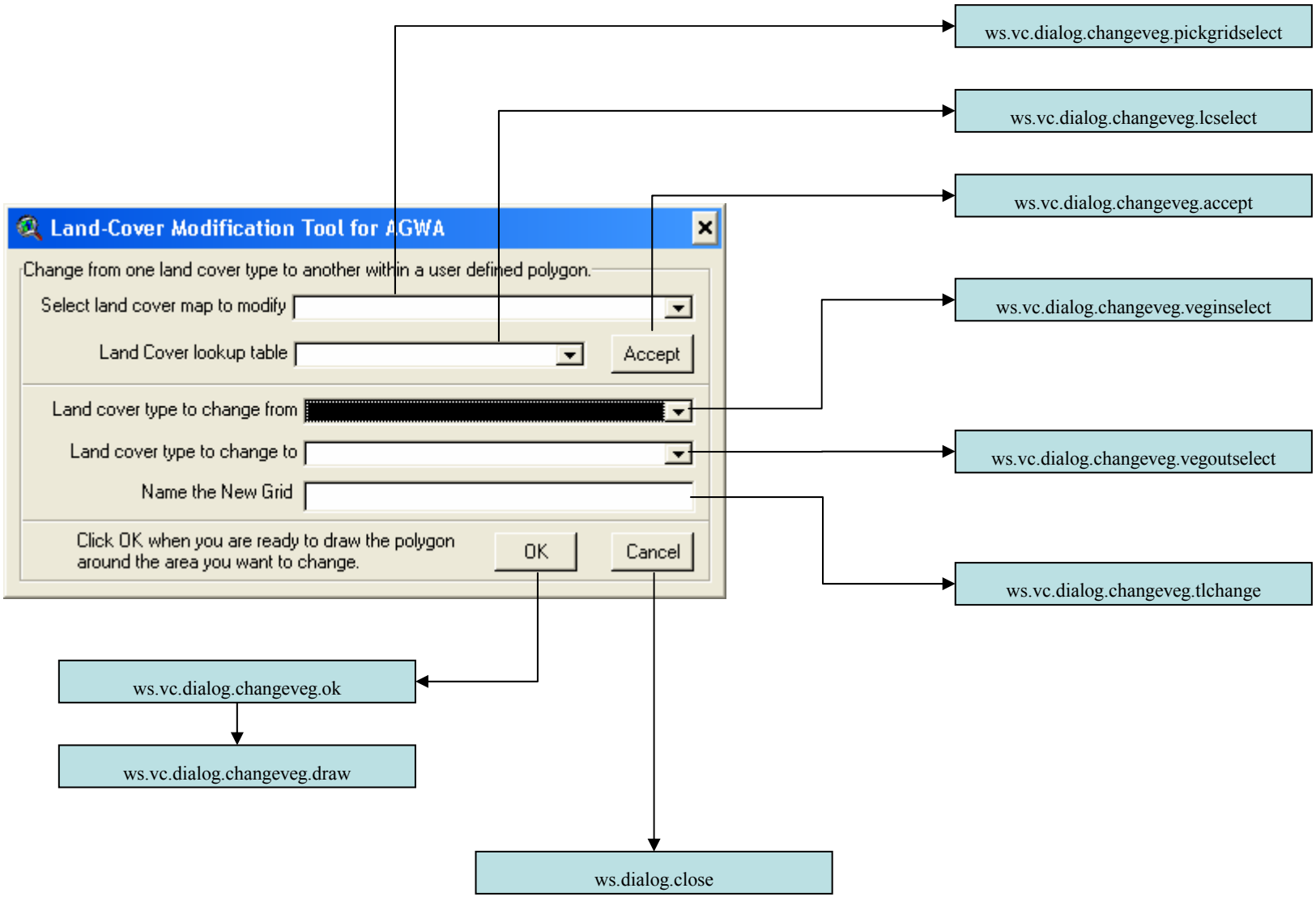
ws_vc_changeall



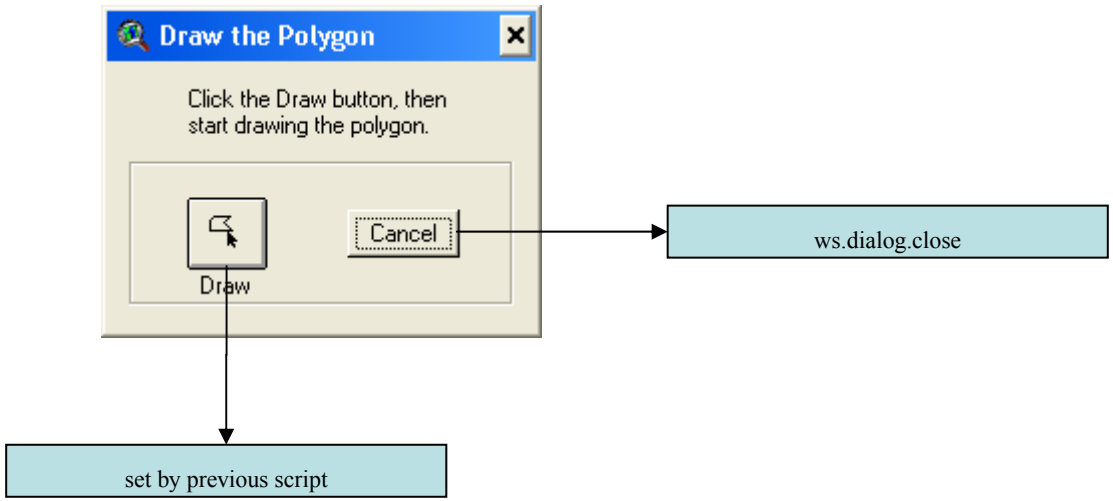
ws_vc_changeburn



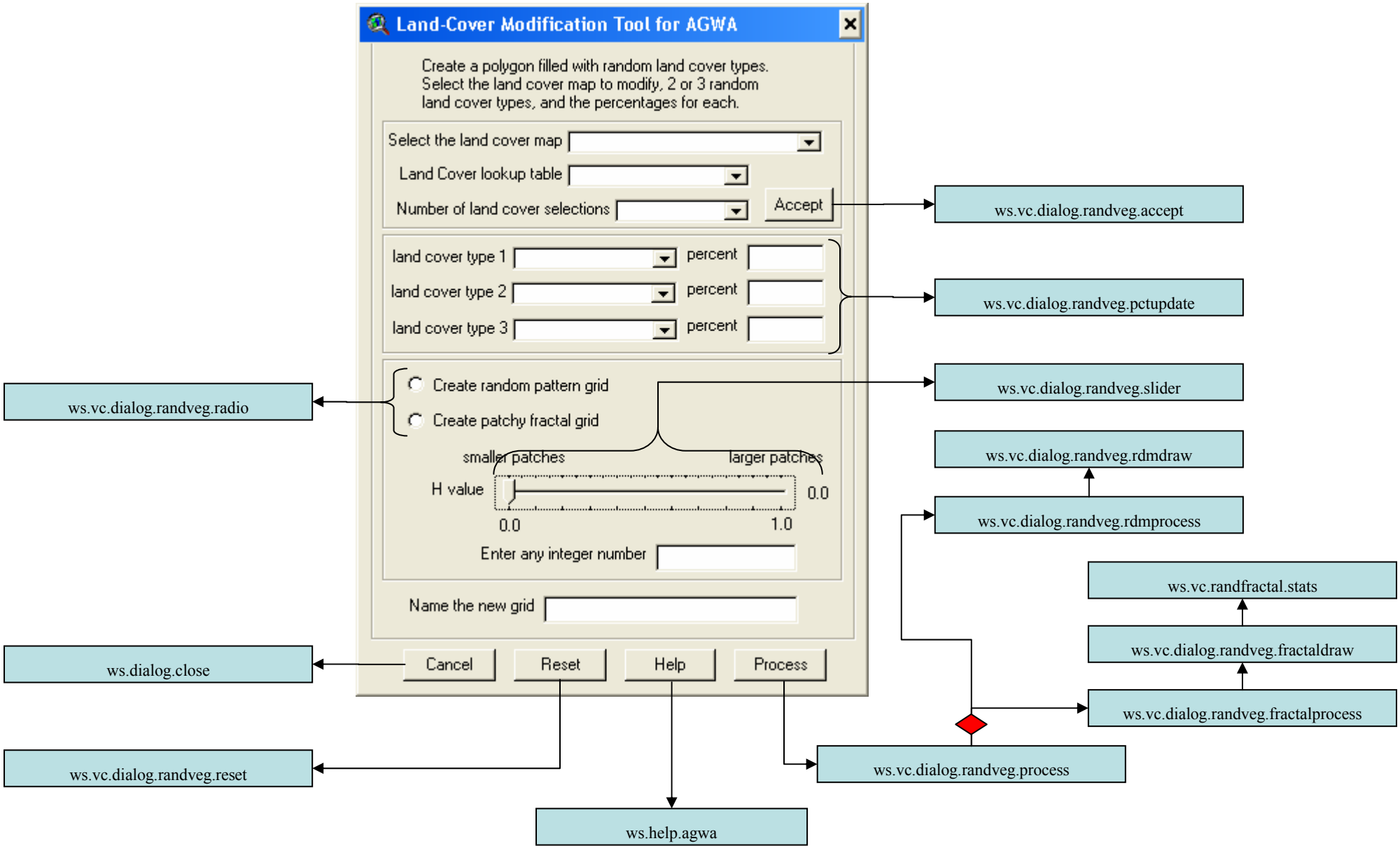
ws_vc_changeveg



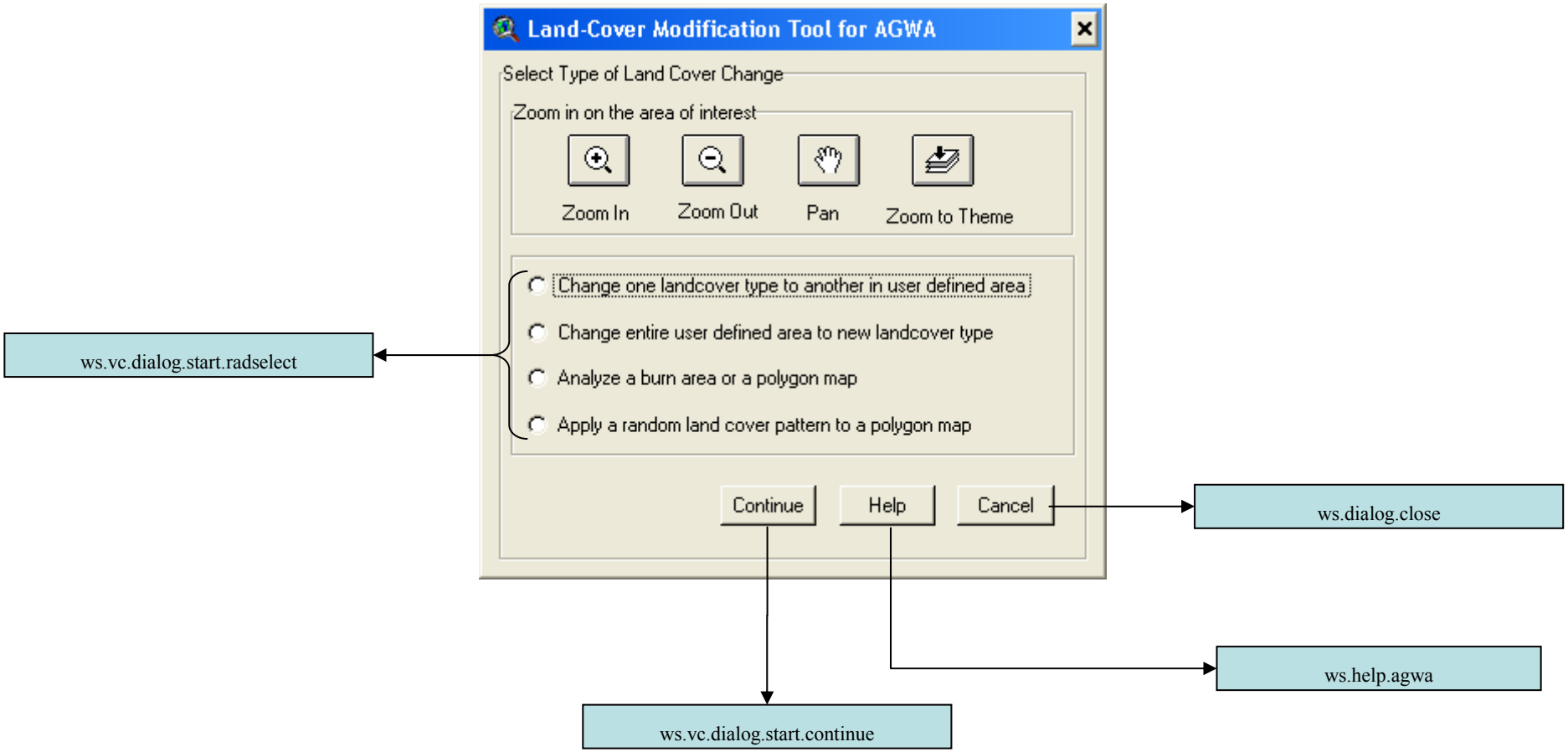
ws_vc_draw


Draw the Polygon
Click the Draw button, then start drawing the polygon.
Draw
Cancel
ws.dialog.close
set by previous script

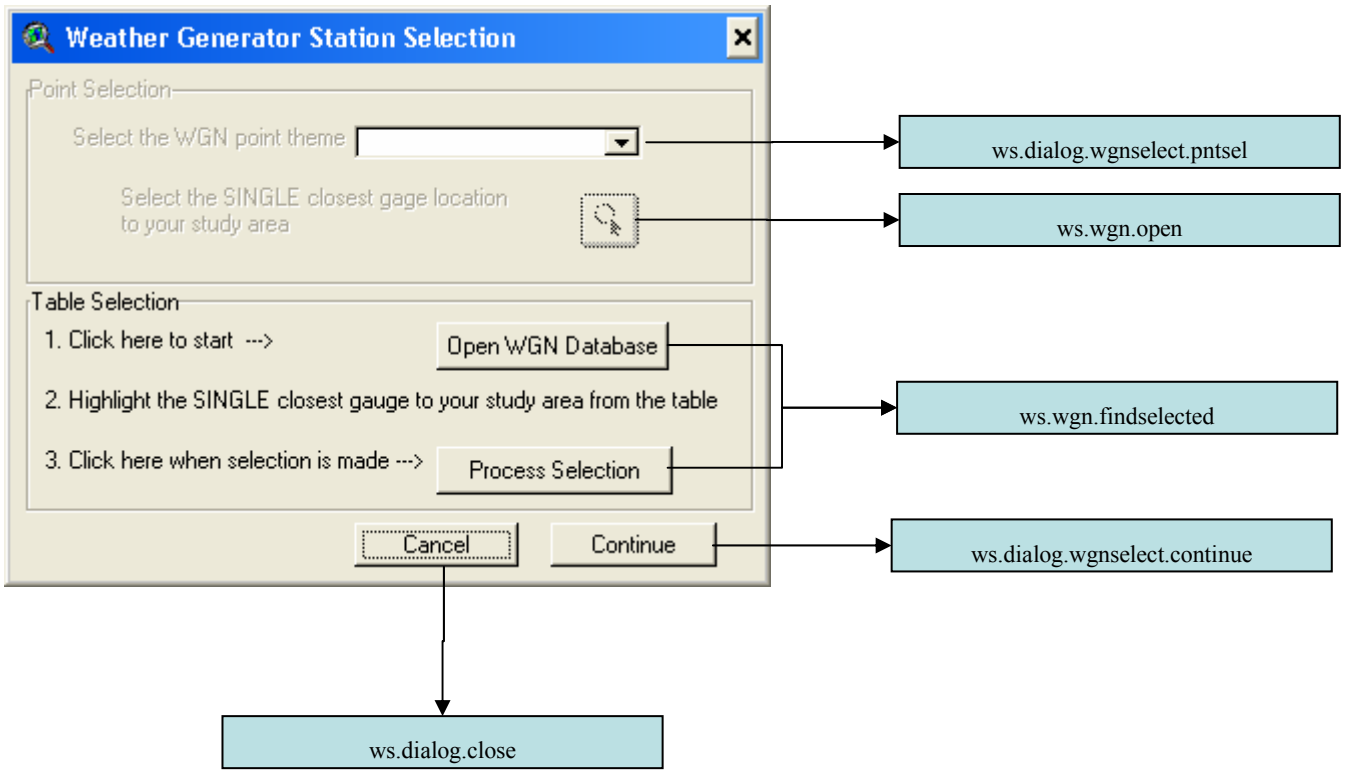
ws_vc_randomveg



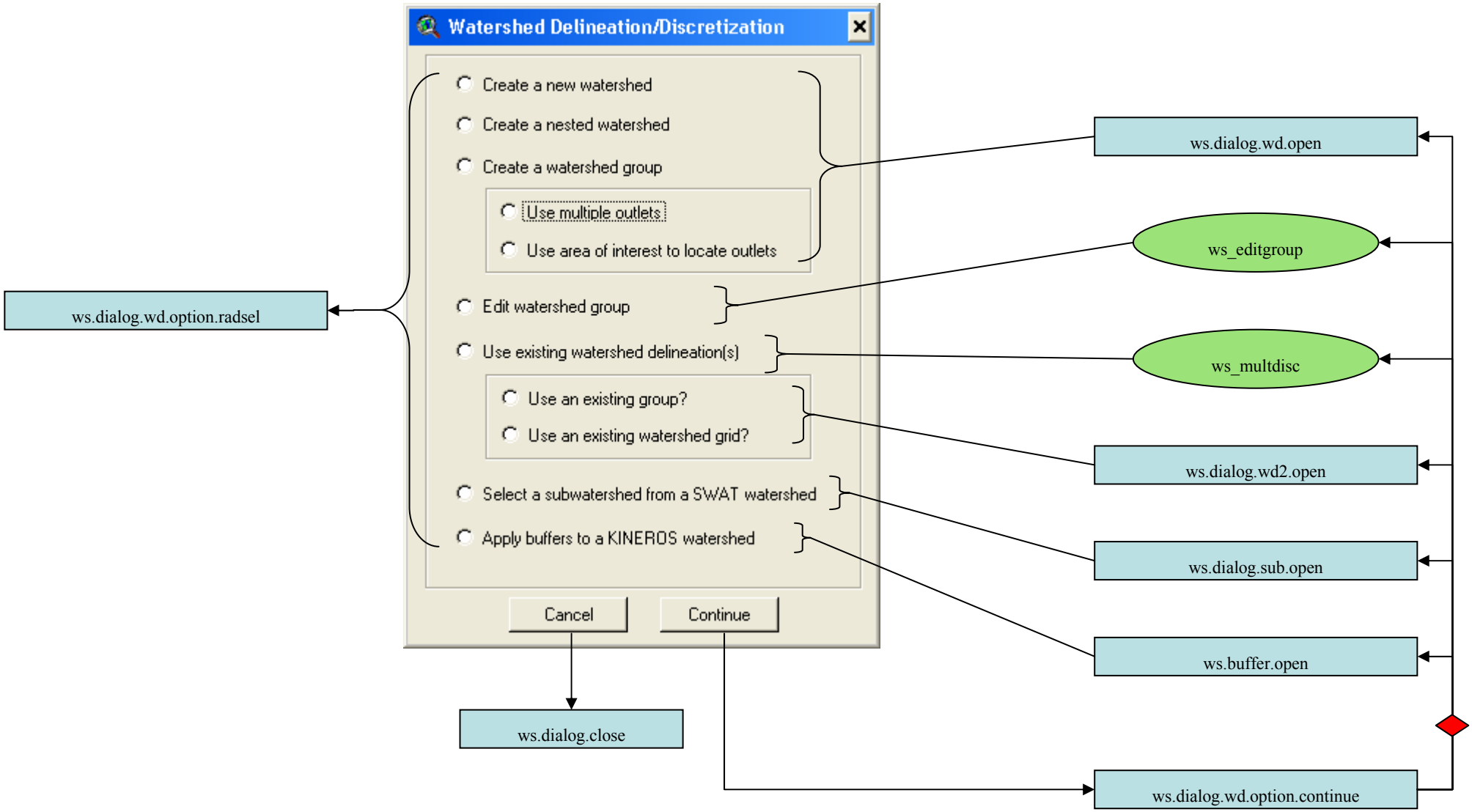
ws_vc_start


Land-Cover Modification Tool for AGWA
Select Type of Land Cover Change
Zoom in on the area of interest
Zoom In
Zoom Out
Pan
Zoom to Theme
Change one landcover type to another in user defined area
Change entire user defined area to new landcover type
Analyze a burn area or a polygon map
Apply a random land cover pattern to a polygon map
Continue
Help
Cancel
ws.vc.dialog.start.radselect
ws.dialog.close
ws.help.agwa
ws.vc.dialog.start.continue

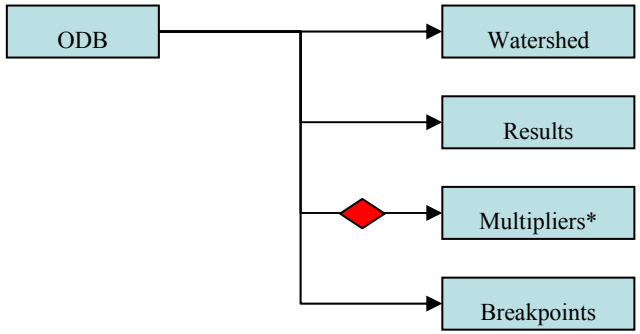
ws_wgnsel

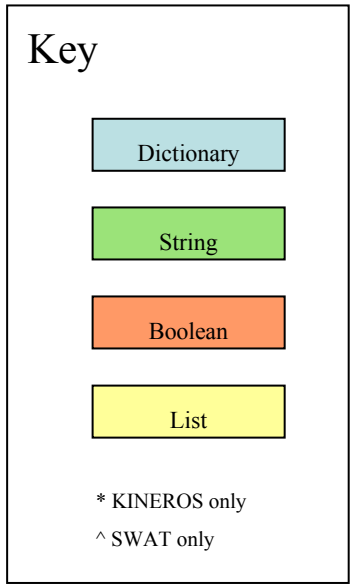

Weather Generator Station Selection
Point Selection
Select the WGN point theme
Select the SINGLE closest gage location to your study area
Table Selection
1. Click here to start --->
Open WGN Database
2. Highlight the SINGLE closest gauge to your study area from the table
3. Click here when selection is made --->
Process Selection
Cancel
Continue
ws.dialog.wgnselect.pntsel
ws.wgn.open
ws.wgn.findselected
ws.dialog.wgnselect.continue
ws.dialog.close

ws_wshedoptions

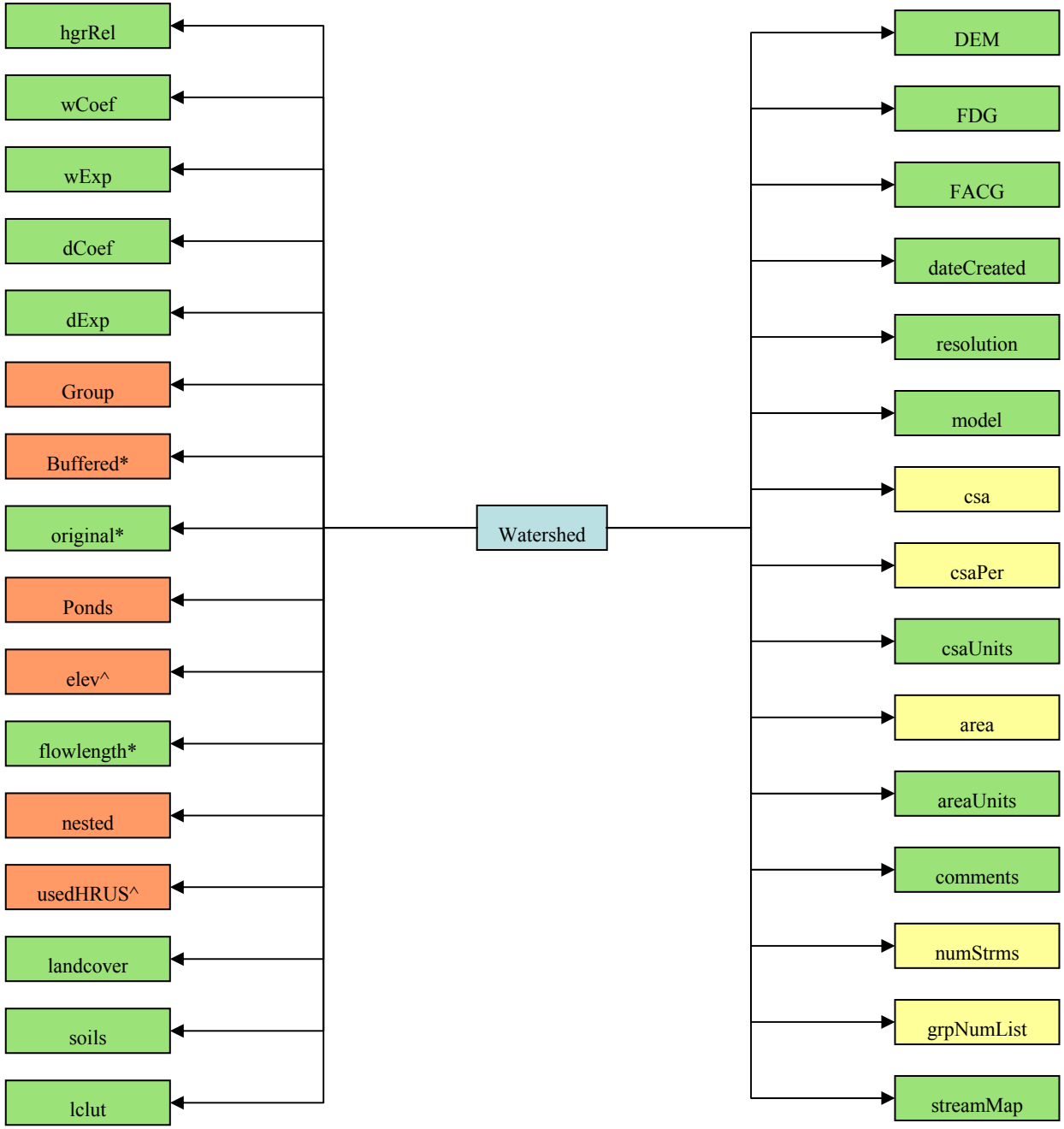


Metadata

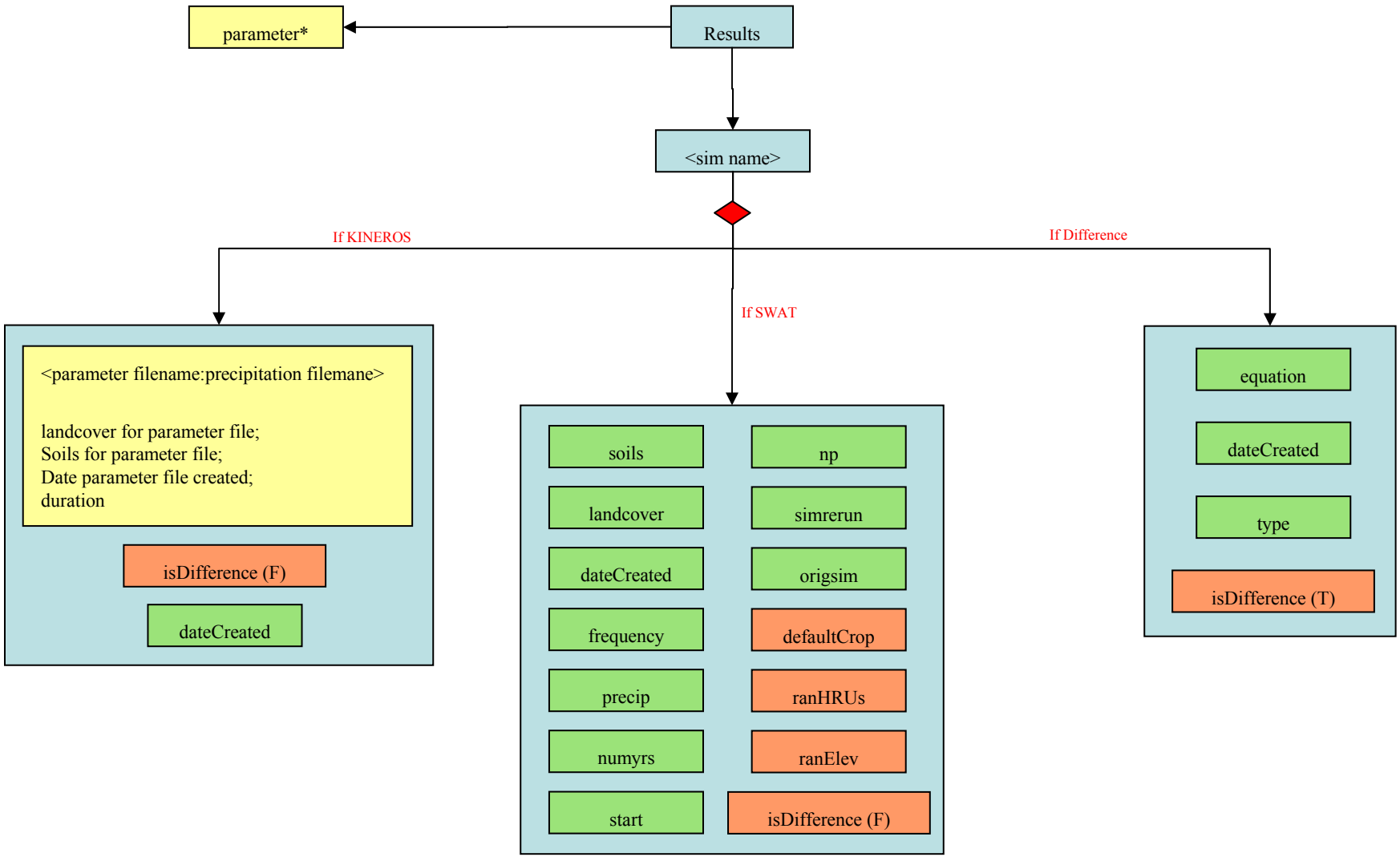

ODB
Watershed
Results
Multipliers*
Breakpoints


Key
Dictionary
String
Boolean
List
* KINEROS only
^ SWAT only

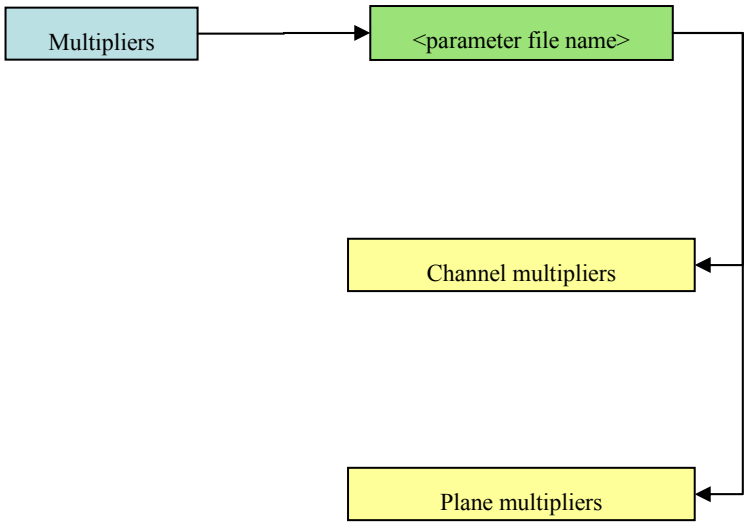
Watershed Dictionary



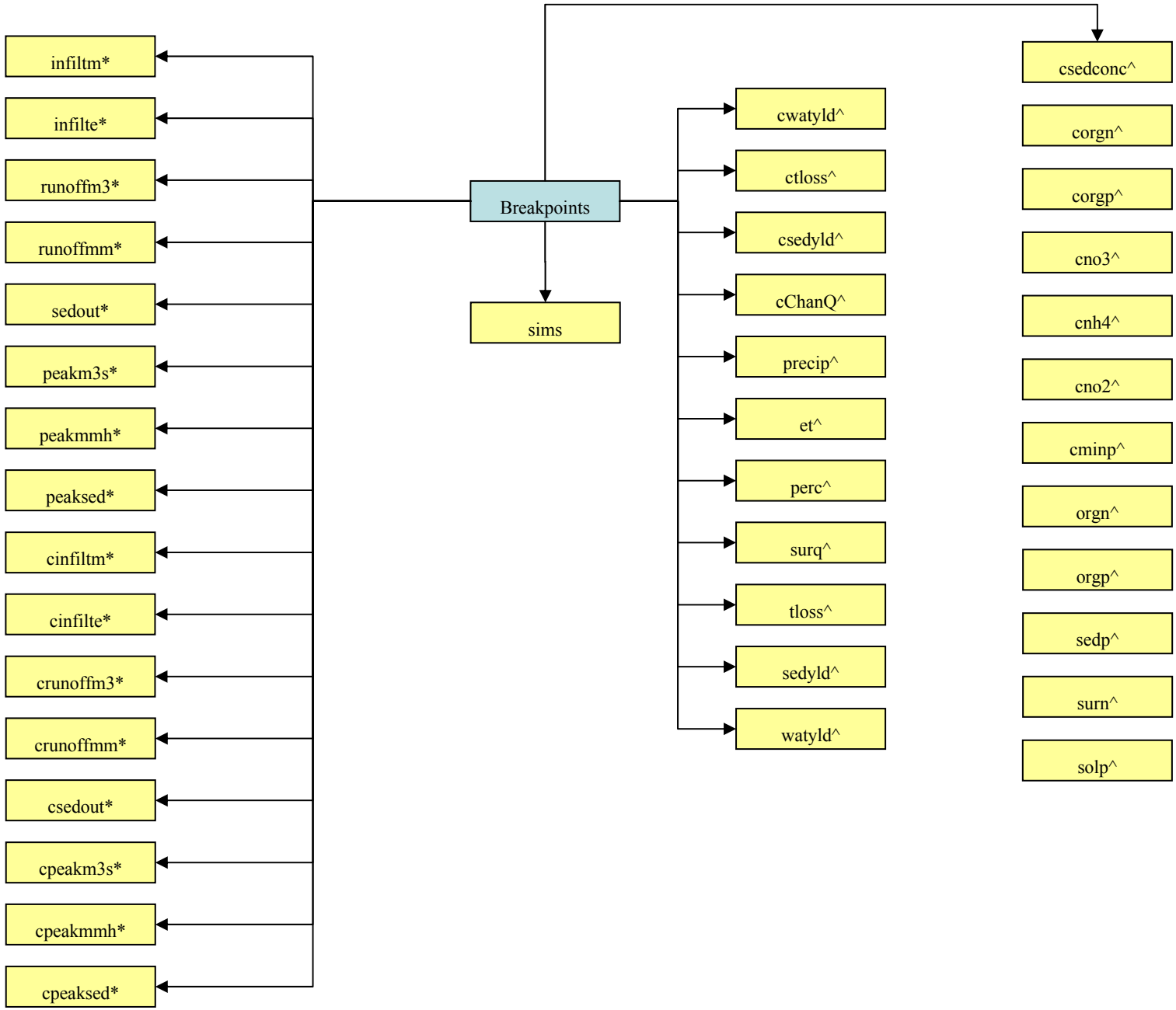
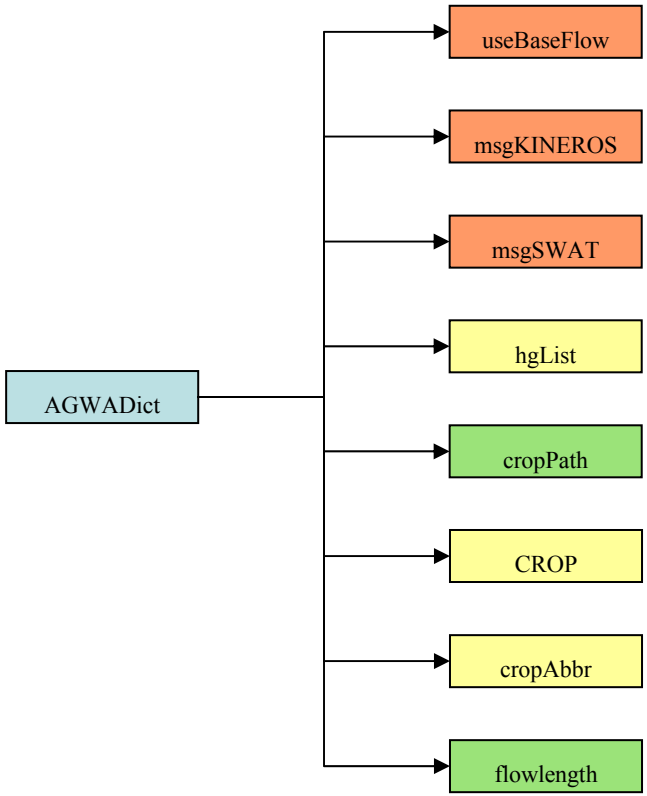
Results Dictionary



Multipliers Dictionary



Breakpoints Dictionary



AGWA Dictionary