IWFM, IDC and C2VSim Status Update

CWEMF Annual Meeting

Folsom, California

March 20 – 22, 2017

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California Department of Water Resources

C2VSim-2015 Status Update

- C2VSim-2015-CG
  - Migration to IWFM-2015 engine complete
  - Element-level land use developed for WY 1922-2015
  - Work continuing on extending other input time-series data (diversions, precipitation, etc.) to September 2015
  - Calibration during summer 2017
  - Update documentation
  - Public release by December 2017

- C2VSim-2015-FG
  - Complete framework during summer 2017
  - Calibration by summer 2018
  - Develop documentation
  - Public release by December 2018
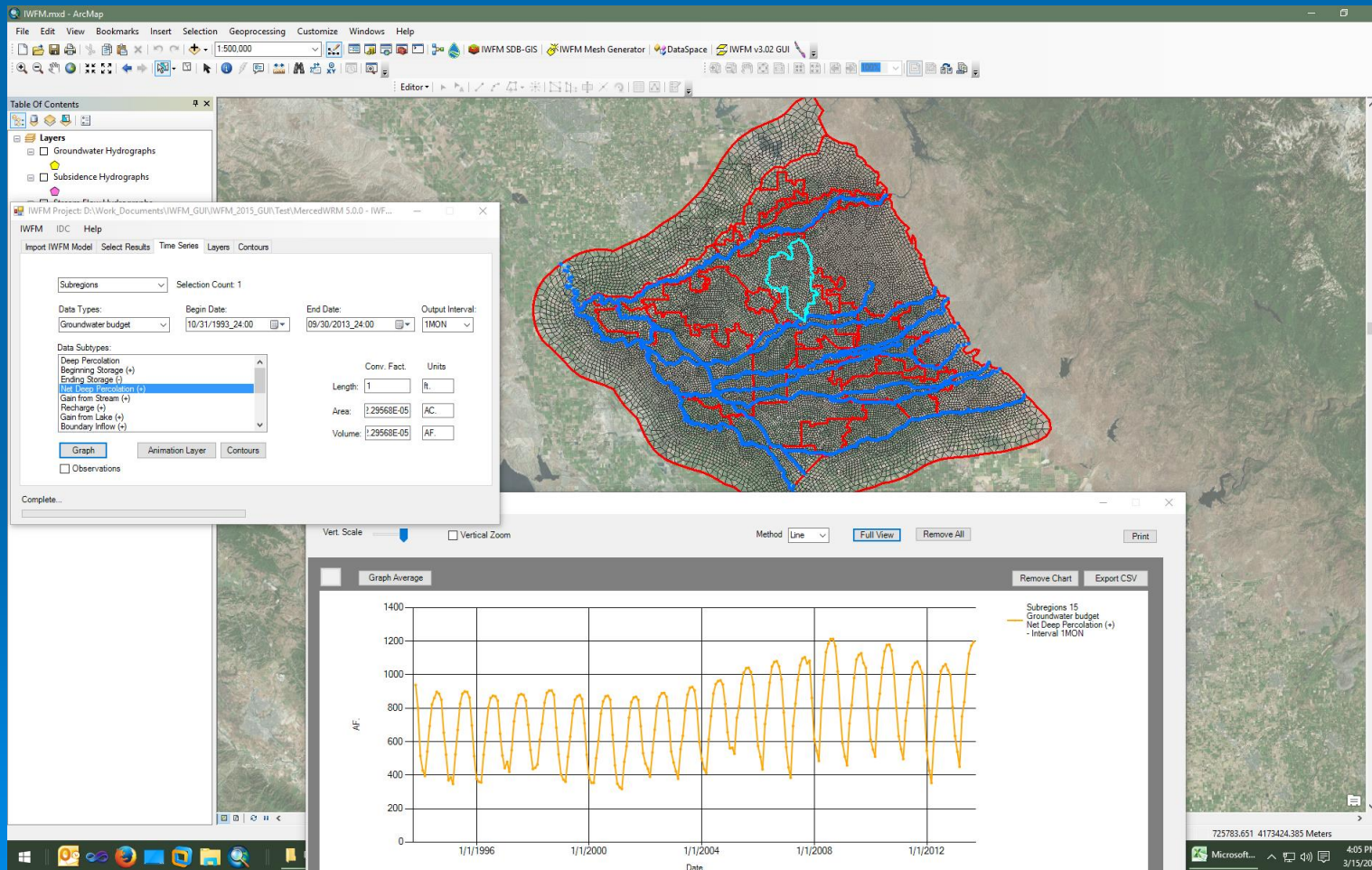 - Beta version possibly available before December 2018

New IWFM / IDC Features

- Root Zone Package

  - Simulation of root zone and land surface processes at subregional level (as opposed to at cell level) for backward compatibility, developing screening tools, etc.

  - <u>Z-Budget output for root zone flows</u>

  - <u>Z-Budget output for land and water use</u>

- Stream Package

  - Ability to link multiple groundwater nodes to a single stream "node" (e.g. simulation of Yolo Bypass in a fine grid model)

- Lake Package

  - Computation of lake outflow defined as an elevation-versus-outflow type rating table (developed for C2VSim natural flows simulation)

Visualization and Analysis Tools

- IWFM ArcGIS GUI
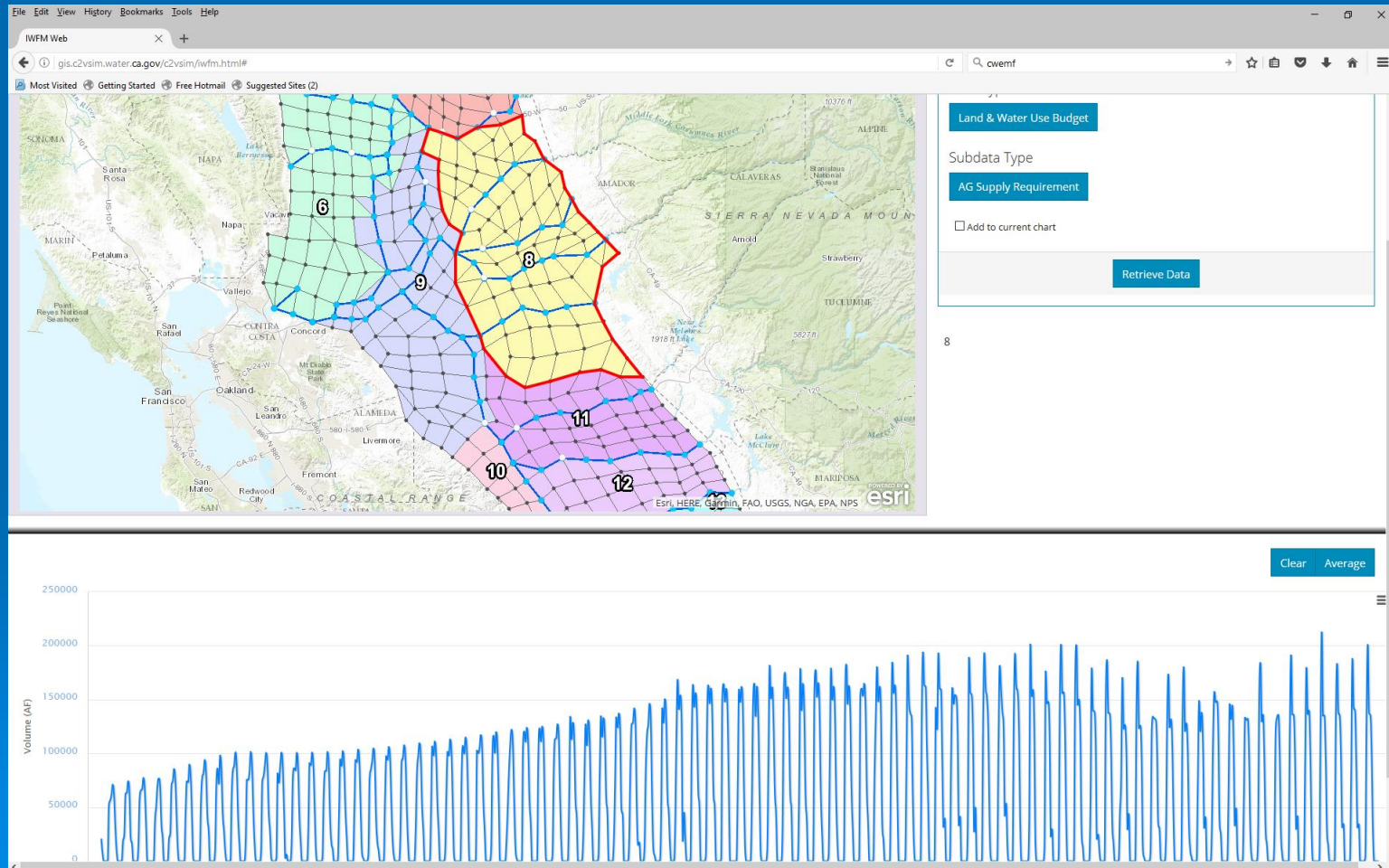
Visualization and Analysis Tools

- Z-Budget Data Import with IWFM Excel Add-in

Visualization and Analysis Tools

- C2VSim Web Application

IWFM-2015 and IDC-2015 Training:
August – October time frame