Accessing ApSoil data
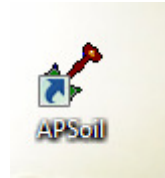# for use in
Howleaky
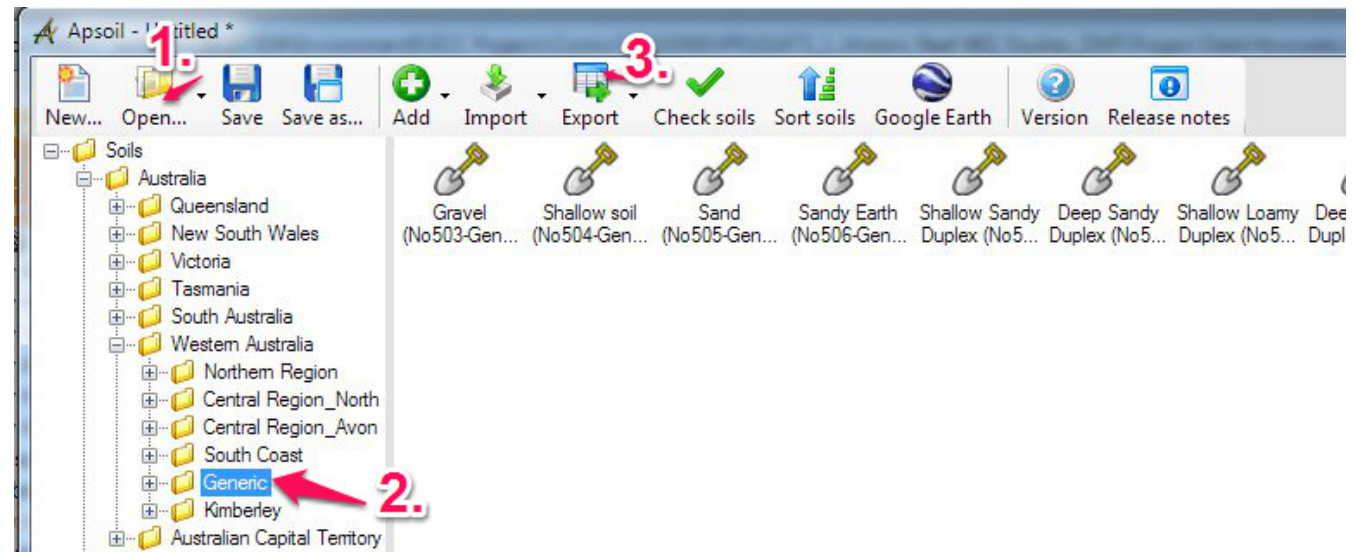
3/6/2013

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Accessing ApSoil data for Howleaky.pptx
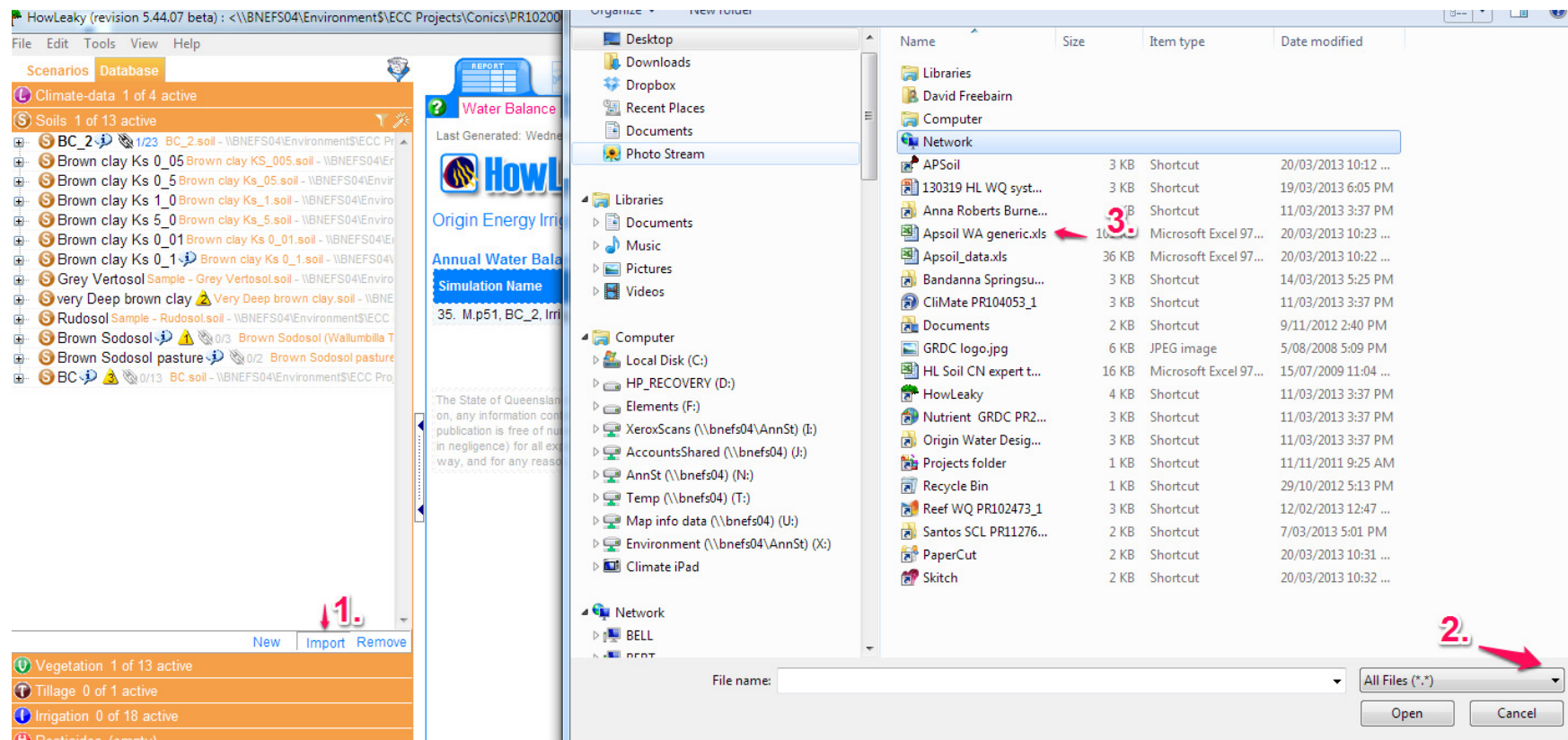
1. Exporting from ApSoil

Launch ApSoil

1. Open ApSoil database, either from existing ApSoil.xls file or WWW

2. Select either a group of soils or an individual soil

3. Export to a spread sheet
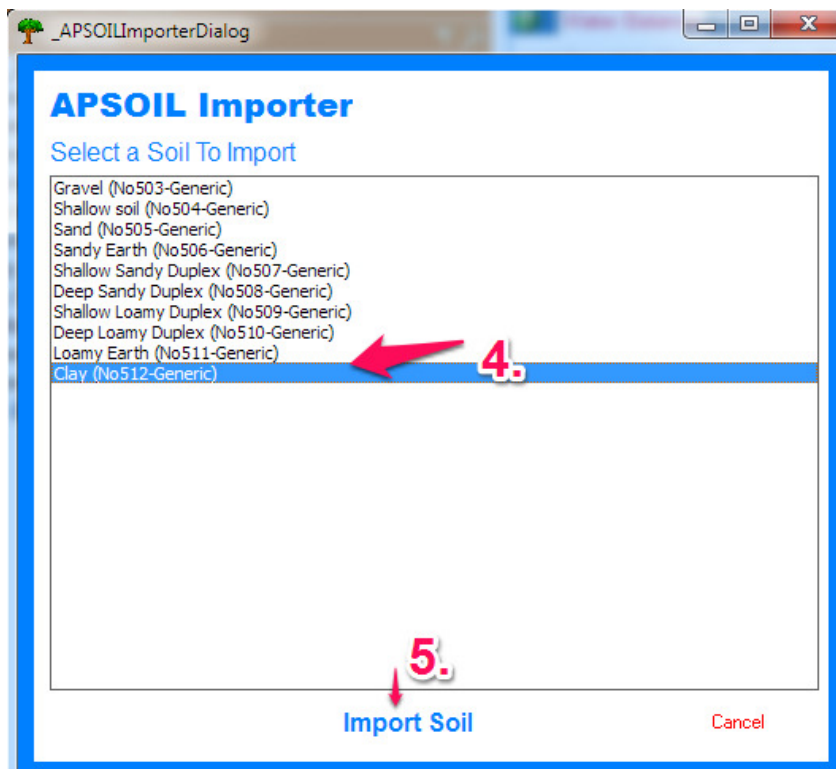
2. Importing soils into Howleaky

In Howleaky

1. Select "Import soil"

2. Select "All Files (*.*)"

3. Select the file that was exported from ApSoil (may have multiple soils)

If multiple soils in file, an "APSOIL Importer" dialogue will appear

4. Select soil to be imported

5. Import soil -this will produce a draft soil description. There may be some missing values, add these and "save as"
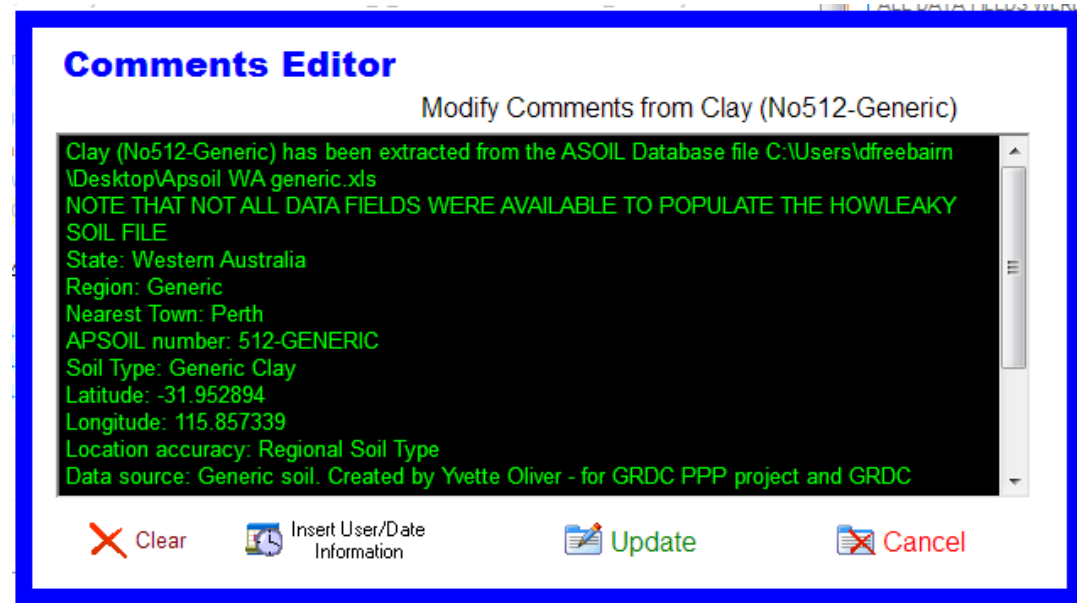
Notes

- Howleaky has a maximum of 10 soil layers and will truncate if >10

- There are differences in parameters between APSIM and Howleaky – see red fields

- The last three fields are only visible when "Tools/Show extended soil parameters is selected –for creating CliMate soil parameter files

Acknowledgements

- ApSoil is a database of soil water characteristics enabling estimation of Plant Available Water Capacity for individual soils and crops. It is designed for use in simulation modelling and agronomic practice.
http://www.apsim.info/Wiki/Default.aspx?Page=APSoil&NS=&AspxAutoDetectCookieSupport=1

- When a soil is imported into Howleaky, metadata is also imported describing source of data

- This added functionality for Howleaky was developed by David McClymont (DHM Environmental Software Engineering Pty Ltd)

Comments Editor

Modify Comments from Clay (No512-Generic)

Clay (No512-Generic) has been extracted from the ASOIL Database file C:\Users\dfreebairn\Desktop\Apsoil WA generic.xls
NOTE THAT NOT ALL DATA FIELDS WERE AVAILABLE TO POPULATE THE HOWLEAKY SOIL FILE
State: Western Australia
Region: Generic
Nearest Town: Perth
APSOIL number: 512-GENERIC
Soil Type: Generic Clay
Latitude: -31.952894
Longitude: 115.857339
Location accuracy: Regional Soil Type
Data source: Generic soil. Created by Yvette Oliver - for GRDC PPP project and GRDC

✕ Clear   Insert User/Date Information   Update   Cancel

ApSoil is a product of the APSIM initiative … accessed at

http://www.apsim.info/Wiki/APSoil.ashx

APSoil is a database of soil water characteristics enabling estimation of Plant Available Water Capacity for individual soils and crops. It covers many cropping regions of Australia and is regularly updated. It is designed for use in simulation modelling and agronomic practice.

APSoil enables the user to:
- View individual soil and crop species data in spreadsheet and graphical formats
- Modify soils to fit local conditions eg sub-soil constraints
- Include digital images or .pdf files relating to individual soils
- Run the APSIM model using soils developed within APSoil

- ApSoil Data can be partially imported into Howleaky

APSIM and the APSIM Initiative

APSIM is internationally recognised as a highly advanced simulator of agricultural systems. It contains a suite of modules which enable the simulation of systems that cover a range of plant, animal, soil, climate and management interactions. It is undergoing continual development, with new capability added to regular releases of official versions over time. Its development and maintenance is underpinned by rigorous science and software engineering standards