

Appendix D3: Software Requirements for Curraghinalt Project Water Models and Dry Stack Stability Models

Software requirements to view water models and DSF stability models:

Groundwater

Model input and output files are .txt and viewable in a text editor. Flowsource outputs are .csv and can be accessed using Excel.

MODFLOW model is operated with MODFLOW 96 code.
<https://water.usgs.gov/software/MODFLOW-96/>

FlowSource is operated with a model code available here: <https://esi-consulting.co.uk/our-expertise/software-and-training/environmental-software/software-products/>

Surface Water

GoldSim Version 11.1.7 – download software from GoldSim website (<https://www.goldsim.com/web/home/>) for existing GoldSim users with license

Geochemistry

PHREEQC is operated with the PHREEQC code available here: <https://www.usgs.gov/software/phreeqc-version-3>

Dry Stack Facility

Rocscience files are read with Rocscience Slide2 software which can be downloaded from <https://www.rocscience.com/software/slide2> for existing users with a licence.

An electronic copy of the abovementioned files can be obtained by writing to:

- Turley, Hamilton House, 3 Joy Street, Belfast, BT2 8LE
- Dalradian Gold Limited, 3 Killybrack Road, Omagh, BT79 7DG