



Environmental Programs

Engineering and Technology Division

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September 30, 2017

To Whom It May Concern:

You have obtained files for the Los Alamos National Laboratory (LANL) ECORISK Database Release 4.1 (September 2017).

This letter provides file descriptions, data issues, interface issues, other issues, and contact information for the current release of the database.

Files:

- **CoverLetterR4.1.pdf:** The cover letter you are currently reading.
- **ECORISK_R4.1.MDB:** A Microsoft Office Access 2013 file that is the ECORISK Database Release 4.1.
- **ESL_EcoPRG_HistorySummary2017.pdf:** A document describing all LANL Ecological Screening Level (ESL) changes since the beta release of the ECORISK Database to the latest release.
- **Eco-PRG.xlsx:** A document containing all Ecological Preliminary Remediation Goals (EcoPRGs) from the ECORISK Database Release 4.1. This file can be accessed from within the EcoPRG main menu 'Step 1' tab.
- **ESLs.xlsx:** A document containing all Ecological Screening Levels (ESLs) from the ECORISK Database Release 4.1. This file can be accessed from the ESL Main Menu.
- **TRV_Dev_Methods_R1_Feb14_LA-UR-14-20694:** Revised TRV Methodology document that describes the methods used to select toxicological data for aquatic community organisms in sediment and water and incorporating supplementary technical documents that support the development of TRVs. This document can be accessed in the download with the ECORISK database, as well as from the Main Menu screen under Supplemental Reports.

Data Issues:

The ECORISK Database Release 4.1 (September 2017) contains the current ecological screening levels (ESLs) and documentation for screening level ecological risk assessments performed at the Los Alamos National Laboratory. In release 4.1, new perchlorate TFs, TRVs and ESLs were added for earthworm, mammal and plant screening receptors; LOAEL/LOEC Tier 1, 2 and 3 TRV values and notes were updated, several ESL Screening and EcoPRG receptor parameters and related TF_flesh_fw were updated, ESL and EcoPRG values were updated based on updates to other parameters as noted above, and the ESL receptor names for desert cottontail and red fox were updated to surrogate for mountain cottontail and gray fox, respectively, to more accurately reflect a relevant species for the laboratory.

Please refer to the ESL History Summary Report (ESL_EcoPRG_HistorySummary2017.pdf) for a synopsis of the changes made to the ECORISK Database since the last release and over the years. This file can be accessed in the download of the ECORISK Database.

Interface Updates/Issues:

- Updated the interface Contact Information, Home, Main Menu screens to reflect release information.

Other Issues:

This database is a work in progress and although the data within it have been extensively reviewed, it is advised that you verify the data before use by referring to the actual references cited.

Contact Information:

To receive technical support or to acquire a CD copy of the database, please contact:

Environmental Communication & Public Involvement

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Thank you for your interest in the database.

The ECORISK Database Team