BioSum 5.10.1 Release Notes  
March 20, 2023

**Current Release Notes (5.10.1)**

1. **FVS\_CutTree table has been converted to SQLite (5.10.0)**: the FVS\_CutTree (aka BiosumCalc FVS\_Tree) table is now written to the /fvs/data/FVSOUT\_TREE\_LIST.db. This means that legacy projects are frozen at v5.9.0. Optimizer scenarios can be added, changed, and executed, but Processor can no longer run on these older projects because they don't have an FVSOUT\_TREE\_LIST.db. It may be possible to manually load the FVS\_CutTree table from each FVS\_Tree table in the BiosumCalc director(ies) if necessary. Please contact BioSum support for instructions.
2. **Updates to FVS sequence number definition screen (5.10.0)**: Functional and cosmetic changes have been made to the FVS sequence number definition screen to make it easier to use and understand. Sequence numbers can be assigned to multiple tables at the same time. The selection of sequence number templates has been updated to reflect commonly used BioSum configurations.
3. **Additional harvest costs can now be assessed using variable in the KCP file (5.10.1)**: Additional harvest costs can be assessed at the Rx/RxYear level by configuring flags in the FVS\_Compute table using KCP file directives. The dollar amount of the costs is configured in the Processor module. Please see the user guide for details.
4. Many additional minor enhancements are described in the BioSum [online release documentation](https://github.com/USFS-PNW/Fia-Biosum-Manager/releases/tag/5.10.1).