**Roving Fish Survey Lemhi SFS database summary**

The Roving Fish Survey Lemhi SFS database houses information containing the raw fish data that was collected by QCI/Biomark in the upper Salmon region under the ISEMP juvenile remote fish monitoring program.  This information includes fish capture and counts at different strata including GRTS site IDs for linking up with habitat data from the CHaMP program.  The Roving Fish Survey Lemhi SFS does not include much for habitat information, and metrics from the CHaMP surveys can be found at champmonitoring.org. The years and areas for the occurred fish sampling are found within the database along with the excel survey/date spreadsheet giving a quick look for that scope. For completion, the database includes information that was collected for all years in the upper Salmon area by QCI/Biomark under the ISEMP project up until December 2, 2018. This database is updated continuously and is planned to be updated when new surveys are completed. The database is structured into four main tables in which the tables are related with a common field called the DCE ID. The columns found within each of these tables are defined in the column definition spreadsheet.

**fld\_DataCollectionEvent**: This table contains the overall site or reach metrics that were collected and a survey event. This includes dates, crew members, location, equipment, type of survey, and project.

**fld\_FishCapturePass**: This tables contains information collected at individual passes within a survey. Information found within include the pass type, method, capture and tagging temperatures, effort in time, conductivity, and water condition.

**fld\_FIshObservation**: This table contains all information collected pertaining to fish specimens. This includes fish counts, run type, lengths, weights, tag numbers, capture type, location, fish status, and any other metric that was recorded for fish.

**fld\_GPSWalkLog**: This table contains information related to mobile detection surveys where streams were walked with mobile PIT tag readers looking for resights on fish that were PIT tagged. This does not include the fish records, and they are found within the FishObservations table. This table does include locations, dates, and habitat units that are automatically generated from the collection software in a given interval (default was 1 minute).