

### **LWBC\_RoadsFieldData.gdb**

This geodatabase contains Road and Stream data collected in the summer of 2017 for the Aquatic Landscape Evaluation of the Lake Wenatchee and Beaver Creek (LWBC) subwatersheds. The data was collected with the ESRI Collector app and hosted on ArcGIS Online. Pictures were also taken at each point- these pictures are in a separate geodatabase. ArcGIS online data was collected in Geographic Coordinate System of WGS 1984. The road and stream data was digitized in Projected- NAD 1983, UTM Zone 10N.

- 1) **LWBC\_AllRoads**- This Feature Class contains all roads in the project area- both the ones in the corporate database and new 'unauthorized' roads identified from the stereo imagery. The 'OpenClosed' field was a call made by the Photo-Interpreter on the apparent status of the road whether 'Open and Drivable' or 'Closed/Not Drivable'. These do not necessarily match the official road maintenance status as reported in the official database.
- 2) **LWBC\_Roads\_Observed**- This Feature Class depicts the subset of roads that were observed during the 2017 Season. The field 'FieldObsMethod' indicates whether it was driven or walked/biked.
- 3) **LWBC\_Boundary**- This is just the project boundary for the two 6<sup>th</sup> code watersheds
- 4) **LWBC\_NHD\_Flowline\_Markup**- This is the markup layer for the official NHD Stream layer. This stream layer was edited during the course of the summer to reflect the condition on the ground. The Point Markup layer contains points taken in the field to inform this editing process- though generally the edits were made directly to the line feature class.
- 5) **LWBC\_EngineeringPoints**- This layer contains points of interest collected during the field season. In particular it was used to mark whether a road was drivable or not, and if not, what was blocking it.
- 6) **LWBC\_RoadFeatures**- This layer contains a suite of information related to road hydrological condition. Road damage (riling, rutting, etc.) was identified and then rated with a series of categorical and continues variables. Details of the road prism itself were also collected, and the comments field provides extra information.
- 7) **LWBC\_StreamCrossing**- This layer contains a suite of information related to road/stream crossings. At each crossing, information was collected regarding the approach (along the road), crossing type itself (culvert characteristics), the stream characteristics (upstream and downstream), and the riparian condition.
- 8) **RoadFeatures/StreamCrossing\_join**- The field data was joined with the roads layer (spatial join), to associate a correct Route Number to each feature. For the new roads that were digitized a temporary number was assigned (Prefaced with 'New\_')