

Seismic Instrumentation at Ruskin Dam, British Columbia, Canada



CASE STUDY



Ruskin Dam is a concrete gravity dam on the State River in Ruskin, British Columbia, Canada. It was completed in 1930 for the primary purpose of hydroelectric power generation.

In 2017, [Kinemetrics](https://www.kinemetrics.com) supplied and installed seismic instrumentation for this dam, including Obsidian recorders, world-standard Episensor ES-T's and a SBEPI (Shallow Borehole Episensor). There were four Obsidian 4-ch recorders, which were connected to the ES-T. There was also an Obsidian 8-ch recorder, which had one ES-T and one SBEPI.

They were installed in five different locations, which included the dam gallery, left abutment, right abutment and two control rooms.



*Obsidian 4X Recorder
with the world-
standard Episensor.*

Upon installation, the dam staff were fully trained by Kinemetrics to successfully operate and maintain the system.

[More information](#)