

**Probable Hydrologic Consequences (PHC) determination and Cumulative Hydrologic Impact Assessment (CHIA)**

At a minimum, baseline data should be available for analysis which may be as basic as generating summary statistics. A more in-depth analysis comparing pre-disturbance conditions upstream versus downstream or, for groundwater, upgradient versus downgradient may be possible if there are enough baseline sampling events. In certain cases, water-monitoring records from a near-by existing operation may be used to predict how the proposed operation might affect water resources.