

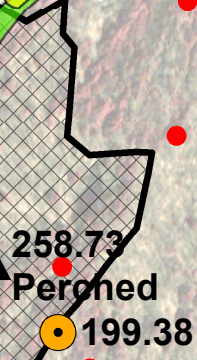
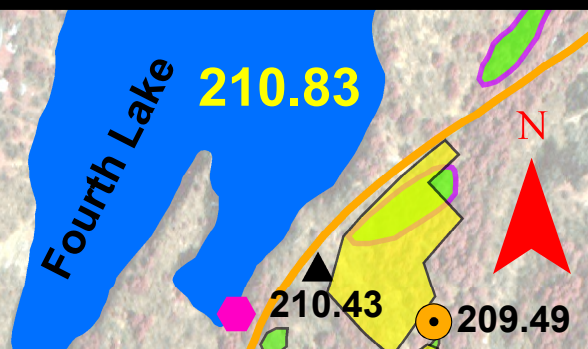
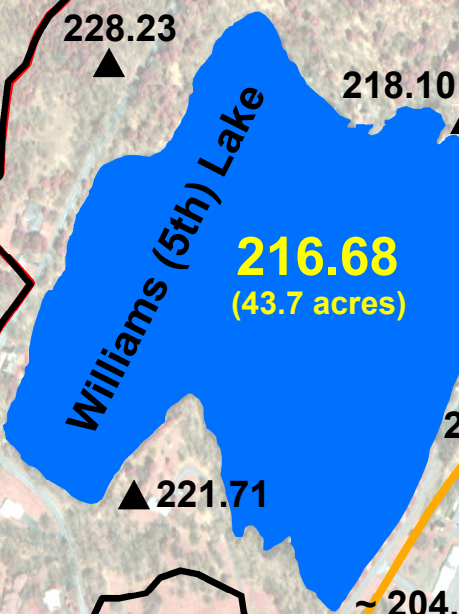
**Groundwater Levels in Mines and Wells on 6-24-09
as Reported in DEIS Table III.C.1 plus Hotel Mine**

The Williams Lake watershed area, as determined by HRVR (black polygon), does not factor in either karstic or mining-related groundwater flow that does not and cannot recharge the lake. As a result, the groundwater basin that contributes flow to Williams Lake is much smaller - making the recharge area to the lake (minus the lake acreage) at least 36 percent less than reported. Beyond this, HRVR has NOT depicted MAJOR mine footprints and sinkholes that SUBSTANTIALLY alter the flow dynamics indicated by HRVR. As shown here, groundwater in much of the HRVR basin would have to flow uphill as much as 17 ft to flow into Williams Lake. Thus, all model-derived conclusions are erroneous. There is substantial doubt as to whether there is sufficient water for the proposed project.



Elongate vertical mine may extend over 100 ft below rubble base and does control groundwater flow in parts of the watershed, probably to the NE out of the watershed. Sinkhole conduits may also shunt water out of the watershed - resulting in a smaller watershed than put forth in the DEIS.

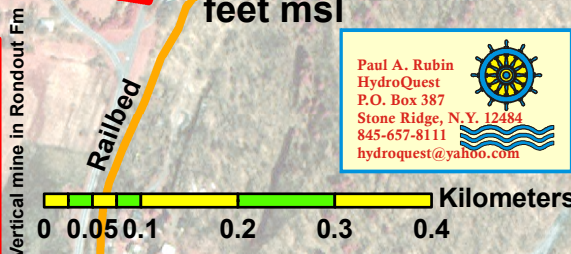
218.98 ▲
231.04 ▲



Legend

- ~ HQ Topo-based Watershed [Approx. 144.3 acres]
- ~ HRVR Topo-based Watershed [Approx. 163.7 acres]
- ~ Groundwater Problem Area [Approx. 42.8 acres]
- Topo Map Sinkholes
- HQ Natural Sinkholes (examples)
- Natural Cave
- Bat Hibernacula 11-23-09
- HRVR Well Water Levels
- Lakes & Ponds
- Vertical Mine
- HQ Mine Footprints (rough) [Important groundwater drain]
- HRVR Mine Water Levels [Importantly - NONE plotted by HRVR]

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Groundwater Level Figure