

Meeting Notes – Parker Road Area Nanoose Water Monitoring Update Meeting September 25, 2015

Summary

- It was suggested that there be a comparison between the static level of each monitored well at time of drilling be compared to the static level in the same month now. This will be possible as all (15) wells will be monitored for a full year to capture the seasonal fluctuations.
- This comparison will also look at the historic data from the RDN wells that have had their water level monitored since 2010.
- However this will only provide a snapshot of how static levels are doing over time – consistent, increasing or decreasing – as water levels were not continuously monitored between time of drilling and the present, it doesn't provide the full picture or inter-annual variation. The RDN will have this information compiled as it becomes available.
- It was suggested that in the Area E –wide monitoring (what we are referring to as the Phase 2 Water Budget analysis) that currently un-serviced lots are accounted for in the demand calculations, with an estimate of post-build out water use.
- Overall, the data from April - September shows the seasonal fluctuation of decreased water levels in the dry summer period, with recovery and water level increase in September.
- So far the bedrock pumping (short events in subject well for commissioning purposes) does not show up in the overburden wells.
- There is no apparent connection between the Malstrom Creek and the bedrock wells at this point.
- Staff informed those at the meeting that the Stepped Pump test would occur on Saturday Sept. 26th, between 11am-5pm. It was advised that those with wells being monitored minimize water use (i.e. try not to run several loads of laundry or wash your driveway) during that the Step Test so as to have the least interference with the pumping data being collected.
- It was noted that this Step Test is separate from the 72 hour pump test which will occur in mid-October. The pumping rate for the 72 hour test would be determined in part by the results of the Step Test, and the approved Ministry of Environment procedures for safely performing pump tests.

- It was asked if the pump test could damage the aquifer or nearby wells – this is not an issue. The purpose of a pump test is to temporarily strain the aquifer to assess how the well and neighboring wells react, but pump tests do not cause permanent damage.