

RDN Drinking Water & Watershed Protection Program Technical Advisory Committee July 7th, 2016







Partner Updates







DWWP Updates

USHP Stream Assessments	Report – D. Clough
User Survey Results – BC Water Use Reporting Centre	Report – J. Pisani
Regional Hydrometric & Climate Monitoring	Verbal
Area E Water Monitoring (Phase 2 Water Budget)	Verbal
Rebate Programs & Outreach	Verbal
Community Watershed Monitoring Network	Verbal
AVICC Resolution – Rainwater as a Potable Water Source	Verbal / Report
Watersheds 2016 Forum	Verbal
VIU Partnership – Wetland Mapping and Monitoring	Verbal

STREAM ASSESSMENTS

- Holden Creek, with volunteers from NALT's email list
- Millstone River, with the Island Waters Fly Fishers
- Used the "Urban Salmon Habitat Program" (USHP) methodology – developed by the Province
- Dave Clough, RPBio will present summaries; final reports forthcoming with recommendations for actions to improve the physical attributes of the stream to in turn improve water quality.





User Survey Results BC Water Use Reporting Centre



BCWater Use Reporting Centre

SUMMARY REPORT

PREPARED FOR THE OKANAGAN BASIN WATER BOARD



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urbansystems.ca

What we heard

- 1. Keep it simple
- 2. Make sure to successfully execute the function in the name: reporting
- 3. Give flexibility for data entry and data reporting
- 4. Minimize redundant data entry
- 5. Recognize value of regional water management

www.bcwaterusereporting.ca

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Solutions

- 1. Hired a new programmer
- 2. Streamlining data entry aspect to align with the reports required by the Province
- 3. Working to automate the data entry i.e. uploads from SCADA to BCWURC
- 4. Working with the Province to incorporate environmental flows and drought mgmt information into the tool

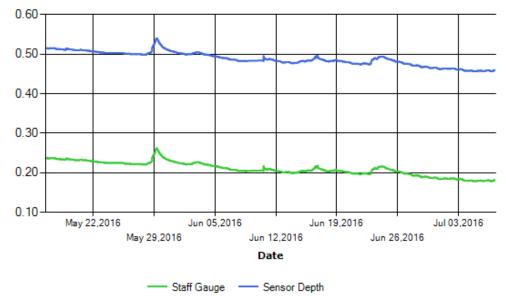
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Regional Climate and Hydrometric

Haslam Creek Water Level from: May 16, 2016 12:20 PM to Jul 07, 2016 08:00 AM









Regional Climate and Hydrometric Monitoring



Mt Arrowsmith Snowpillow and Weather Station now fully installed. Real-time data will be up on the River Forecast Centre site by next snow season.

Thanks to partnership with MOE, MFLNRO, VIU, Island Timberlands and Arrowsmith Water Service.





Regional Climate and Hydrometric Monitoring

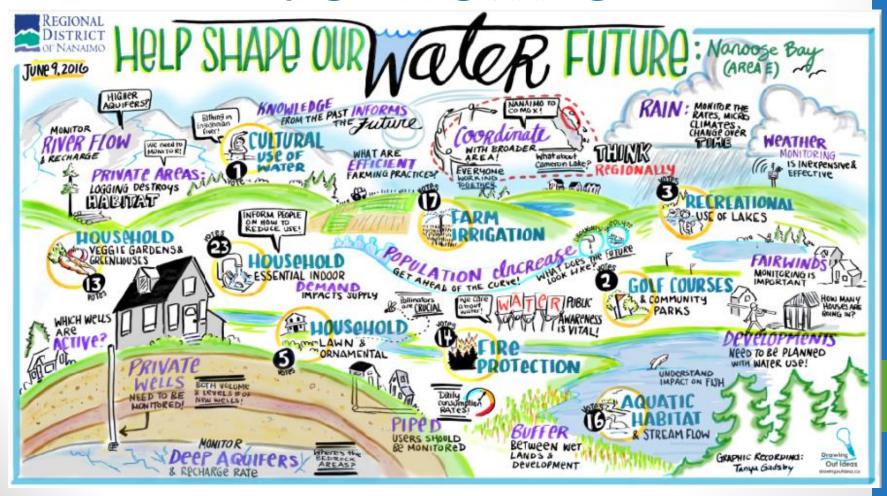
Mid Vancouver Island Habitat Enhancement Society began an initiative to quantify and qualify the role of bedrock in the groundwater dynamics of the **Englishman River** watershed.

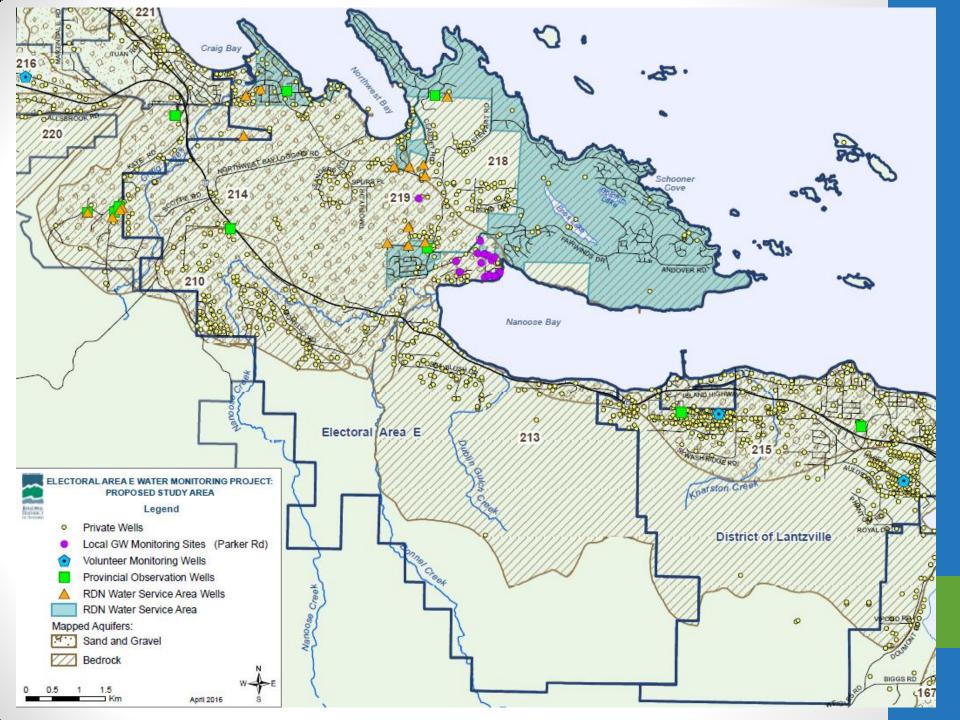
DWWP supported the initial levelogger installation last year. This year we will support spot flow measurements to produce a rating curve





NANOOSE (AREA E) WATER MONITORING







REBATE PROGRAM UPDATE

- Rainwater Harvesting
 5th year of program
- Increased to 60
 available rebates this
 year to meet
 heightened demand
- 57 rebates have been allocated for this year; 3 spots remain
- Max. 30% of funding allocation – reached in Area B (20 rebates)
- This year an increase in interest from Areas E and G (Nanoose and French Creek)

- Rural Water Quality
- Second full year of program
- 48 well water quality testing rebates issued this year to date
- Most popular in Area A,B,C, Lantzville
- 3 wellhead upgrade rebates issued so far this year; with several pending completion

- Pilot Rebate Water
 Efficient Landscapes
- Just in RDN Water
 Service areas; approx. 9
 rebates available
- Up to \$750 for efficiency upgrades to irrigation systems (conversion to drip, addition of soil/weather sensor, etc)
 & soil augmentation (mulch, topsoil).





TEAM WATERSMART OUTREACH UPDATE

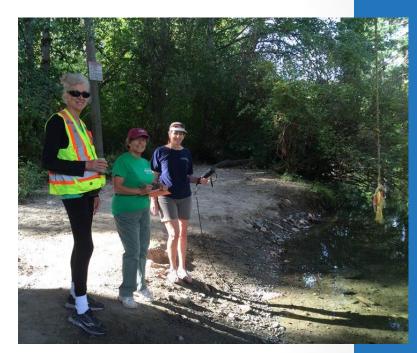
- Team WaterSmart Community Booth will be at 26 community events this spring/summer across the region.
- Watershed field trips for 6 grade four/five classes in SD68 & 69 this spring with 6 more trips in the fall.
- WellSmart workshops organized for Oct. 26th in Cedar and Nov. 3rd in Qualicum.
- Starting to plan for Water Day 2017 this summer with partners.





COMMUNITY WATERSHED MONITORING NETWORK

- Starting up again for 2016 in August 6th year!
- Training dates: Gabriola July 12th; July 26th – French Creek & Bowen Park.
- Two new groups: Whalley Creek & Fanny Bay Enhancement Society (Rosewall Creek and Deep Bay Creek).
- No lab analysis this year; just QA/QC.
- A couple added sites for IWFF group (Upper McGarrigle & Knarston Creek).
- Continue to collect baseline data and observe trends over time.
- Continue to foster community involvement and awareness of local waterways.



Thank you to Island
Timberlands, MoE & all the
volunteers!



AVICC RESOLUTION Rainwater as a Potable Water Source

 Now on to UBCM, our Area B Director will have a meeting with Minister of Health with this request:

To encourage the Province to develop rainwater-specific source characterization protocols, infrastructure requirements and treatment standards and objectives as a framework for more effectively establishing rainwater as a safe alternative drinking water source for small water systems in rural communities.









WATERSHEDS 2016 FORUM

Topics include: collaborative watershed governance, First Nation-led water planning, environmental flow needs



Watersheds 2016

Building capacity for collaboration and watershed governance in British Columbia

September 30 – October 1, 2016 SFU Wosk Centre for Dialogue Vancouver, British Columbia





VIU Partnership – Wetland Mapping & Monitoring

- Mapping inventory and predictive mapping complete
- Ground-truthing now commenced in Water Region 3 French Creek & Water Region 4 - Englishman River
- Using BCWF Field Sheet, with some modifications to include a indicators for connection to groundwater recharge and discharge
- i.e. minerotrophic species presence; emergent vegetation; surficial deposit composition
- Will report at next TAC meeting in the fall Oct/Nov



NEW BUSINESS...

Area H OCP Review - Water Information Update French Creek or Cedar-YP Phase 2 WB Scoping 2016

Your feedback?

COMMENTS, QUESTIONS?
Thank-you.