



**REGIONAL DISTRICT OF NANAIMO  
DRINKING WATER AND WATERSHED PROTECTION TECHNICAL ADVISORY COMMITTEE**

**Wednesday April 13, 2016  
10:30 AM – 12:30 PM**

***(VI Regional Library - Nanaimo North Branch, 6250 Hammond Bay Road – Large Meeting Room)***

**A G E N D A**

**PAGES**

**CALL TO ORDER**

Welcome new members: Anne Fiddick (Environment Community Rep), Harriet Rueggeberg (General Public - District 68 Rep) and Sonja Zupanec (Gabriola Islands Trust Staff Rep).

**MINUTES**

3-5 Minutes of the Drinking Water and Watershed Protection Technical Advisory Committee meeting held November 19, 2015.

**BUSINESS ARISING FROM THE MINUTES**

**COMMUNICATIONS/CORRESPONDENCE**

**UNFINISHED BUSINESS**

6-7 DWWP TAC Terms of Reference – Official Membership Update.

**PRESENTATIONS / DISCUSSION**

- VIU Wetlands Mapping – project update (N. Lovestrom)
- Climate Change & Agricultural Water Requirements (A. Gilchrist)
- New Groundwater Regulations (P. Lapcevic)
- Water Day 2016 Events – recap (L. Fegan)
- Region-wide Watering Restrictions Framework and Website (J. Pisani)
- Nanoose Water Monitoring – Phase 2 Water Budget (M. Bolton)
- Support for Stewardship Groups (J. Pisani)
- 5 year plan – Englishman River Watershed – MVIHES (P. Law)

**OTHER PARTNER UPDATES**

**REPORTS****ADDENDUM****BUSINESS ARISING FROM COMMUNICATIONS****NEW BUSINESS****ADJOURNMENT****IN CAMERA**Distribution:

Mike Donnelly, CHAIR.....	Manager, Water & Utility Services, RDN
Randy Alexander.....	General Manager, Regional & Community Utilities, RDN
Sonja Zupanec .....	Islands Trust Representative
Peter Law .....	General Public Representative (North)
Harriet Rueggeberg .....	General Public Representative (South)
Lynne Magee .....	Island Health
Pat Lapcevic .....	Ministry of Forests, Lands and Natural Resource Operations
Ryan Evanoff.....	Ministry of Transportation and Infrastructure
Anne Fiddick .....	Environment Community Representative
Ken Epps .....	Forest Industry Representative
Chris Cole .....	Forest Industry Representative
Kate Miller .....	Manager, Environmental Initiatives, Cowichan Valley Regional District
Oliver Brandes .....	Academic Community Representative
Alan Gilchrist.....	Academic Community Representative (VIU)
Fred Spears .....	Director of Public Works, District of Lantzville
Deb Epps.....	Registered Professional Biologist Representative
Leon Cake .....	Water Purveyors' Representative
Julie Pisani .....	Drinking Water and Watershed Protection Coordinator, RDN
Lauren Fegan .....	Special Projects Assistant, RDN
Deanna McGillivray.....	Special Projects Assistant, RDN
Bob Weir .....	Director of Engineering and Utilities, Town of Qualicum Beach
Mike Squire.....	City of Parksville / Program Manager, Arrowsmith Water Service
Bill Sims.....	Manager, Water Resources, City of Nanaimo
Gilles Wendling.....	Hydrogeologist Representative
Pam Shaw.....	Mt Arrowsmith Biosphere Research Institute (VIU)

For Information only:

D. Trudeau, CAO, RDN

G. Garbutt, GM Strategic and Community Development, RDN

S. Norum, Wastewater Program Coordinator, RDN



**MINUTES OF THE REGULAR MEETING OF THE DRINKING  
WATER AND WATERSHED PROTECTION TECHNICAL  
ADVISORY COMMITTEE  
HELD ON THURSDAY, NOVEMBER 19, 2015 AT 12:30 PM**

**Present:**

Mike Donnelly, CHAIR.....	Manager, Water & Utility Services, RDN
Peter Law.....	General Public Representative (North)
Gilles Wendling .....	General Public Representative (South)
Lynne Magee .....	Island Health
Ryan Evanoff.....	Ministry of Transportation and Infrastructure
Faye Smith .....	Environment Community Representative
Ken Epps .....	Forest Industry Representative
Bill Sims.....	Water Resources, City of Nanaimo
Leon Cake .....	Water Purveyors' Representative
Fred Spears.....	District of Lantzville
Heather Florence .....	Ministry of Forests, Lands and Natural Resource Operations
Alan Gilchrist .....	Academic Community Representative
Pam Shaw .....	Mt. Arrowsmith Biosphere Regional Research Institute
Kate Miller .....	Environmental Initiatives, Cowichan Valley Regional District
Barbara Silenieks .....	City of Parksville
Pat Lapcevic.....	Ministry of Forests, Lands and Natural Resource Operations
Bob Weir.....	Town of Qualicum Beach

**Regrets:**

Aleksandra Brzozowski.....	Islands Trust
Chris Cole .....	Forest Industry Representative
Oliver Brandes.....	Academic Community Representative
Deb Epps .....	Registered Professional Biologist Representative
Mike Squire .....	City of Parksville, Arrowsmith Water Service

**Also In attendance:**

Julie Pisani.....	Drinking Water and Watershed Protection Coordinator, RDN
Lauren Fegan.....	Special Projects Assistant, RDN
Deanna McGillivray .....	Special Projects Assistant, RDN
Randy Alexander .....	General Manager, Regional & Community Utilities, RDN
Rebecca Graves .....	Recording Secretary, RDN

## **CALL TO ORDER**

M. Donnelly introduced TAC's new member Dr. Pam Shaw, from Vancouver Island University's Mt. Arrowsmith Biosphere Region Research Institute.

The meeting was called to order at 12:33 pm.

## **MINUTES**

MOVED F. Spears, SECONDED G. Wendling, that the minutes from the regular meeting of the Drinking Water and Watershed Protection Advisory Committee held July 23, 2015 be adopted.

CARRIED

## **MUNICIPAL UPDATES**

Updates were given from City of Parksville, District of Lantzville, City of Nanaimo and Regional District of Nanaimo on summer watering restrictions and drought conditions.

P. Law complimented the RDN on the recent communication publications (i.e. State of the Streams & Every Drop Counts) that were delivered to home owners and commented that the information in the publications was very useful.

## **REPORTS**

### **Challenges and Opportunities for Water Resource Management Board Report.** (M. Donnelly-verbal)

M. Donnelly introduced the Board report to the Committee. The report provides background information on current and long term climate trends for our region as it relates to water resource management. The report outlines processes and actions that are currently underway to address water protection challenges, and a number of recommendations that will strengthen the region's ability to adapt to changing precipitation patterns, temperatures and increased hot weather periods.

### **Stream Assessments for Grandon Creek and French Creek.** (J. Pisani-Report)

J. Pisani presented the Stream Assessment Reports that have been completed for Grandon Creek and French Creek, using the Urban Salmon Habitat Program methodology. Two reports have been published on Grandon and French Creek with recommended remedial action, and these were presented to the committee for information.

### **NRCAN/GSC Nanaimo Lowlands Aquifer Characterization Atlas .** (J. Pisani-Verbal)

J. Pisani spoke on the Nanaimo Lowlands Aquifer Characterization Atlas which included background information on the partnership between Geological Survey of Natural Resources Canada, the Province and the RDN. Nanaimo Lowlands was selected by NRCAN for further study on aquifer characterization by expanded groundwater data collection, which was used to create a groundwater model, the results of which are published in a Geological Survey of Canada report. This Atlas will be published early in

2016 as a visual resource compilation of this project. DWWP staff will distribute copies to libraries and post online once complete.

## **UPDATE PRESENTATIONS / DISCUSSION**

### **2015 Recap from DWWP Staff (D. McGillivray / L. Fegan / J. Pisani - Presentations)**

Staff gave an update on the past year and recapped on various topics that included programs, publications, workshops and events that were achieved in the year. These topics included irrigation check-up program, graphical water billing reports, rainwater harvesting rebate, new DWWP website, rural water quality incentive program, Team Watersmart events and workshops, State of Our Streams mail-out and Mt. Arrowsmith Snow Pillow-Weather Station.

### **2016 Outlook for DWWP (J. Pisani -verbal)**

J. Pisani reviewed the outlook for the upcoming year which will include projects such as a proposed VIU/ MABRRI Partnership for Wetland Mapping; Streamflow Monitoring Partnerships; Area H OCP Water Info Update; TWS Water Day Events; and Phase 2 Water Budget in the Nanoose area; which are still subject to Board approval.

## **OTHER DWWP UPDATES**

### **ADDENDUM**

### **BUSINESS ARISING FROM COMMUNICATIONS**

### **NEW BUSINESS**

### **ADJOURNMENT**

The meeting was adjourned at 2:45 pm.

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Mike Donnelly, Chair

## REGIONAL DISTRICT OF NANAIMO

### DRINKING WATER & WATERSHED PROTECTION TECHNICAL ADVISORY COMMITTEE TERMS OF REFERENCE

**Update: April 2016**

#### **Purpose**

The primary role of the Drinking Water & Watershed Protection Technical Advisory Committee (DWWP-TAC) will be to advise the Board on the review and implementation of the Drinking Water and Watershed Protection Service.

#### **Committee Roles and Responsibilities**

The DWWP-TAC will:

- provide recommendations to the Board through the Sustainability Select Committee regarding activities relating to the Drinking Water and Watershed Protection program;
- participate on smaller ad-hoc committees dealing with specific issues or tasks;
- provide advice and feedback on consultation activities with service area stakeholders;
- provide input and feedback on technical reports, discussion papers, and other documents prepared for the committee's information;
- review and become familiar with the Drinking Water and Watershed Protection service;
- review and become familiar with the existing state of drinking water protection in the RDN;
- identify tools and techniques to be employed in the monitoring and evaluation of the Drinking Water and Watershed Protection service and its implementation; and
- make recommendations to increase the effectiveness of the Drinking Water and Watershed Protection service.

#### **Membership Criteria/Selection**

The committee will consist of 23 members. Members will be selected by the Board either through an application process or by appointment by the member's organization. Membership representation will be as follows:

5 members	Staff member from the RDN, City of Nanaimo, District of Lantzville, City of Parksville and Town of Qualicum Beach
2 members	General Public (1 north / 1 south)
1 member	VIHA
1 member	Ministry of Forests, Lands, and Natural Resource Operations
1 member	Environment Community
2 members	Forest Industry
1 member	Water Purveyors' Representative
1 member	Hydrogeologist
1 member	Hydrologist
2 members	Academic Community (1 From the Vancouver Island University)
1 member	Ministry of Environment
1 member	Islands Trust
1 member	Ministry of Transportation and Infrastructure
1 member	Fisheries and Oceans Canada
1 member	Mt Arrowsmith Biosphere Region
1 member	Cowichan Valley Regional District Staff (Inter-Regional Education Initiative)

The Manager of Water Services will Chair the committee. RDN staff members will be present in an advisory capacity. Membership may be changed as needs or issues arise and other organizations may be called on where partnerships are identified that would be of mutual benefit.

The application for committee membership for the General Public and Environment Community will be promoted through advertisements in local media. Applications must demonstrate the applicant's:

- willingness and ability to commit to volunteering the necessary time to the committee;
- interest in drinking water and drinking water protection issues in the RDN;
- willingness and ability to consider issues from all sectors and geographical perspectives within the community;
- experience related to drinking water and drinking water protection issues;
- willingness and ability to work towards consensus on issues being addressed by the committee.

Selection of members will attempt to create a committee with a balance of representation:

- geographically;
- demographically; and
- with a variety of interests and perspectives.

### **Term**

Members will be appointed by the RDN Board for the duration of 2 years. Alternate member appointments will be approved by the Committee as required. No substitute members will be permitted. If a member must resign from the committee, their position will be filled through the application process (for at large members) or by appointments, as appropriate.

In general, annually there will be 3 meetings of the committee although, periodically more frequent meetings may be required. Meetings are expected to be held mid-day.

Members are expected to attend all committee meetings and participate in public consultation activities. Lack of attendance may result in members having their membership revoked at the discretion of the committee. There is no remuneration for participation on the committee but if committee activities coincide with meal times, meals will be provided.

### **Decision Making**

Committee recommendations to the RDN Board will be made by consensus whenever possible. If necessary, votes may be taken and minority reports may be submitted to the Board in addition to the majority opinion.

Committee recommendations to the Board will be made through the Sustainability Select Committee.

DWWP-TAC meetings will be open to the public, however non-DWWP-TAC members will not have speaking or voting privileges. Delegations that wish to address the committee must seek approval from the committee through a written request. Acceptance of a delegate's request to speak to the committee will be at the discretion of the committee.