



Canadian Federation of University Women – Water, Water Everywhere
October 22, 2005
Report on Results by Importance

The audience was invited to spend a few minutes discussing each topic and then voted on their top ten issues. The results below are listed by importance to the audience. Please also see the second report, which lists the issues by order of importance.

<u>Issue #</u>	<u>Topic</u>	<u>Issue or Solution raised</u>	<u># of votes</u>
1	Watershed	Legislate low flush toilet	61
2	Watershed	Need for local authority over private corporations in watershed	37
3	Watershed	Integrated approach to watershed	35
4	Infrastructure	Coast-wide Master plan.	27
5	National	Government should not include water in a list of goods or services in International trade.	19
6	National	Lobby government that water not be included in a list of goods and services in International Trade	19
7	National	NAFTA? Selling water?	18
8	Health & sustainability	Water-metering	17
9	Health & sustainability	Coast-wide information, cooperation and solutions!	17
10	National	Effective National policy on water (presently 40 yrs old)	17
11	Salmon hatchery	SCRD needs to sign the agreement with DFO for minimal water flow	16
12	Watershed	Use an ecosystem approach – “Water for fish before water for lawns”	15
13	National	How do we motivate politicians to do what has to be done?	14
14	Watershed	What steps can we take to assume authority, to conserve water, to protect watershed	14
15	Conservation	Need for public education of local initiatives for water conservation	13
16	Land development	Master plan for Sunshine Coast; Regional growth with strategy – Importance of guidelines	13
17	Watershed	Need a regional growth strategy	13
18	National	Needs for ministry of water Focus ~ need Federal 20 ministries federally, 10 ministries provincially.	12
19	Salmon hatchery	Change zoning to allow cluster-housing density	12
20	Watershed	Water for fish before water for lawns, i.e. ecosystem approach	12
21	Domestic use	Tax, tax, tax! Meter, meter, meter! Get people to be part of the solution, not the problem.	11
22	Land development	Water conservation by-law for all new subdivisions	11
23	National	American pressure ~ How do we deal with it? American needs/wants (NASCO ~ Google) critical! Plans consumption damaging aquifers. How do we deal with it?	11
24	National	Provincial jurisdiction over water. Cross border issue e.g. Terasen utility sale	11
25	Salmon hatchery	Find alternate sources, especially from July to September. McNair Lake)?	11
26	Watershed	Is there enough water for all local developments?	11
27	Conservation	Local govt as protectors and advocates	10
28	Conservation	Concern that people don't know how limited our water supply (3 creek)	10



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29	Infrastructure	Flexibility in a Coast-wide system.	10
30	Land development	Lobby Provincial Government for LRMP for consistency	10
31	Conservation	Need professionals who are paid to do evaluations (not volunteers)	9
32	Land development	Tree cutting bylaws for private land – safety exemption; Cleared developments – can we have trees left on properties	9
33	Land development	sprawl & smart growth issue and application to rural community	8
34	Watershed	Risk of debris flow in Chapman Creek	8
35	Watershed	Central control – who, how, do local authorities have resources?	8
36	Watershed	Lack of authority over land use activity and a plan	7
37	Domestic use	Need education on why we need to conserve (mind set shift)	6
38	Domestic use	Environmentally friendly products hard to find ~ and expensive. Complain. “Name and Shame” retailers. Positive recognition from government when stores provide these. Stores should have special display area or flag of these items.	6
39	Conservation	Need study – master water plans and LRMPs (Land Resource Management Plans) and the differences between them	5
40	Conservation	Confirm the experts - expertise	5
41	Health & sustainability	Offer incentives for the above (tax based, penalty, voluntary incentives)	5
42	Watershed	How will global warming affect watershed	5
43	Health & sustainability	Look at more natural systems (waste water treatment)	4
44	National	Community at top of hierarchy over water issues	4
45	Conservation	Monitoring water sheds (enforcement – regular basis)	3
46	Domestic use	Expand SCRD toilet replacement plan to public facilities e.g. schools	3
47	Health & sustainability	How do we encourage and educate the public re: management of septic systems	3
48	Health & sustainability	Education and a rebate program on water barrels (rain) – Rain recycling	3
49	Health & sustainability	Municipalities should encourage drip watering	3
50	Health & sustainability	Too many bureaucracies (3 dots)	3
51	Land development	Higher charges for land development?	3
52	Salmon hatchery	“Green” Chapman Creek and catchment area	3
53	Watershed	Legislate how flush (6L) toilets	3
54	Watershed	Is there another source to Chapman Creek?	3
55	Conservation	Water metering PLUS minimum graded increment fees (2 dots)	2
56	Conservation	Sprinkling penalty enforcement (2 dots)	2
57	Conservation	Putting pressure on SCRD for bylaws and to take further steps to conserve water and to advertise this	2
58	Domestic use	Signs (like forest fire hazard) notifying public of water levels	2
59	Domestic use	Raise price of water	2
60	Health & sustainability	Arsenic issue? How big an area is affected?	2
61	Health & sustainability	Conflicting information re: the use of holding ponds	2
62	Health & sustainability	How do you get politicians to take a risk to make conservation changes regarding water management	2
63	Health & sustainability	Reduce chlorination in our water supply by redesigning the system	2
64	Health & sustainability	Limit / Stop growth	2



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65	Infrastructure	Do not increase Tet storage	2
66	Land development	Green Development reward	2
67	Land development	Wetlands – Marina ok?	2
68	National	Great Lakes Accord ~ 2001	2
69	Salmon hatchery	More aquifer data required	2
70	Salmon hatchery	More hatcheries (4) have year-round supply (DFO won't allow)	2
71	Salmon hatchery	All water in lakes can be used for domestic purposes regardless of fish life	2
72	Watershed	What are acceptable uses of watershed – cattle? Forestry? Bikes?	2
73	Watershed	Local ownership of watershed	2
74	Watershed	Inventory of what we have	2
75	Watershed	Identify and protect another water source	2
76	Watershed	Education to build a sense of ownership for “best practices”	2
77	Watershed	Control of public access to watershed	2
78	Watershed	Collaborative approach to watershed management	2
79	Watershed	Better monitoring of watershed use	2
80	Conservation	Water purveyor needs management authority (1 dot)	1
81	Conservation	Local bylaws for aquifer protection (1 dot)	1
82	Conservation	Limits to population growth tied in with conservation impact (1 dot)	1
83	Conservation	Problems getting government to enforce laws	1
84	Domestic use	Water Smart” program	1
85	Domestic use	Organize watersmart audit capability	1
86	Domestic use	Mulch, plant more and expect less yield in drought conditions	1
87	Health & sustainability	Open trucks e.g. mining – should be covered	1
88	Health & sustainability	Concern over use of water by the 2 proposed mines`	1
89	Health & sustainability	Look into geo-thermal alternatives	1
90	Health & sustainability	How safe are the pipes in homes and schools? Is there asbestos in the pipes on this area?	1
91	Health & sustainability	Is our water safe for people with compromised immune systems?	1
92	Health & sustainability	How does discoloured water affect our skin?	1
93	Health & sustainability	Concerns about the safety of chlorine (small scale distribution)	1
94	Health & sustainability	Concern over chlorine and other chemicals that are added!	1
95	Health & sustainability	Create public awareness of how much water we use.	1
96	Health & sustainability	How much water use can we sustain given the encouragement that new growth exists here?	1
97	Infrastructure	Explore alternative water sources	1
98	Infrastructure	Restrict growth to available water?	1
99	Land development	Availability of water for development	1
100	Land development	Bylaw enforcement	1
101	Land development	Concern – developments - Source of water – development costs changing	1
102	Land development	Impervious land surface use	1
103	Land development	Mandatory cisterns	1
104	Land development	Will bylaws address opposing faction?	1



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105	National	Introduction of one system into another. E.g. rerouting river systems ~ special changes	1
106	National	Mandatory cisterns	1
107	National	Water stewardship through education. Replace ownership paradigm.	1
108	Salmon hatchery	Short-term solution is also long-term solution. Need wells, metering.	1
109	Salmon hatchery	Between 11pm and 3am water flow significantly reduced	1
110	Salmon hatchery	Need overall water master plan	1
111	Salmon hatchery	Explore McNair Creek for possible future source (another reservoir)	1
112	Watershed	Should be a cap on population in a community	1
113	Watershed	How can we have reasonable control of watershed, i.e. monetary demands on forestry to produce a certain value of wood?	1
114	Conservation	Won't export unless the importer is also conserving	
115	Conservation	Whole coast - \$ from province or federal government (as a model)	
116	Conservation	Water source protection (local control of non-SCRD watersheds)	
117	Conservation	Water shortage for 4 months (July – Oct)	
118	Conservation	Use of systems for conservation	
119	Conservation	Try for “lighthouse” funding while becoming a positive example	
120	Conservation	Tie conservation programs to financial incentives	
121	Conservation	Outdated plumbing, taps – leaks	
122	Conservation	Lots of water but problem of cost to access	
123	Conservation	If metering, should have a minimum amount “free” because people have a right to clean, cheap water	
124	Conservation	How to put water concerns first at provincial and federal levels.	
125	Conservation	How to generate community-based social marketing (gentle) pressure to conserve. Establish local programs (website)	
126	Conservation	How to encourage ways to recycle water instead of putting it into the ocean	
127	Conservation	How to achieve coast wide policies	
128	Conservation	How to achieve balance between population and supply	
129	Conservation	How do you raise awareness of the education available?	
130	Conservation	High cost of conservation initiatives	
131	Conservation	Hard to bring conservation as a topic at grassroots level. How?	
132	Conservation	Give financial recognition of lighthouse projects (funding before and after)	
133	Conservation	Education of future generations	
134	Conservation	Ecological concerns should be put above economical ones	
135	Conservation	Drier season getting longer – put something in place to measure this	
136	Conservation	Difference between responsibility and rights	
137	Conservation	Control land use in the source areas.	
138	Conservation	Conservation should be incentive based	
139	Conservation	Concern over supply and demand balance and how to get data	
140	Conservation	Concern over finding an innovative local or provincial way to purchase private lands in watersheds.	
141	Conservation	Community needs to empower local government	
142	Conservation	Bylaw expansion for building trades re: relating codes for now and the	



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		future	
143	Conservation	Anger around issues confuses understanding of the issues	
144	Conservation	American attitude and how future generations will deal with the issues	
145	Conservation	Access to sewage services – inequities	
146	Domestic use	Xeriscaping awards	
147	Domestic use	Use rainwater. Incorporate into developments.	
148	Domestic use	Use plants that require less water.	
149	Domestic use	Training in environmental audit techniques	
150	Domestic use	SCRD use community association meetings as vehicle for PR	
151	Domestic use	Quotes, ceiling on water use	
152	Domestic use	Pay for use. Without meters, those who use least, pay most.	
153	Domestic use	Need measure of success, accountability, for progress	
154	Domestic use	Need info on how to install big holding tanks/cisterns for rainwater.	
155	Domestic use	Need advertising re conservation	
156	Domestic use	Look to European models. E.g. appliances. Often smaller, more conserving.	
157	Domestic use	Keep containers in refrigerator for cold water.	
158	Domestic use	Issue ~ local supplier for green paving.	
159	Domestic use	Invisible structures ~ company with info on innovative solutions. E.g. reduce hard surfaces, etc.	
160	Domestic use	Incentives for using spring/well water vs. public system?	
161	Domestic use	How can metering be implemented?	
162	Domestic use	Go without water for a day to learn how many others around the world live.	
163	Domestic use	Get local suppliers to list by name approved products (low water use appliances.)	
164	Domestic use	Financial institutions offering low interest loans for “green” renovations.	
165	Domestic use	Fill sink to rinse dishes, don’t run water.	
166	Domestic use	Expand incentive program to include instant hot water systems? Drip irrigation? (with timers, moisture sensors)	
167	Domestic use	Difficulties in buying low-flow toilets, linking to old plumbing systems.	
168	Domestic use	Current watering restrictions can’t be applied to drip systems. (9 dots)	
169	Domestic use	Contradiction ~ Gibsons residents asked to conserve, but anyone can use public outlet.	
170	Domestic use	Consumer testing agency?	
171	Domestic use	Consider location of appliances, have efficient point-of-use systems. E.g. European style hot water heaters.	
172	Domestic use	CMHC provides free guide on water efficiency.	
173	Domestic use	Bring back rain barrel program, other education programs. (1 dot)	
174	Domestic use	Arsenic levels in well water ~ wasteful filtering systems.	
175	Health & sustainability	Healthy foreshores (Group called Greenshores program)	
176	Health & sustainability	Clean water shed is better than bottled water	
177	Health & sustainability	Identify Rey indicators between communities to measure improvement over time for water & sustainability issues	
178	Health & sustainability	Septic systems need to be sustainable, not temporary	



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179	Health & sustainability	(mind set change)	
180	Health & sustainability	How do we make our beaches safe for swimming? (quality of water)	
181	Health & sustainability	Should fluoride be introduced in light of later research	
182	Health & sustainability	Concerns about water borne pathogens	
183	Health & sustainability	More education needed on our water quality	
184	Health & sustainability	Comments made re: requiring more current documentation on the safety of fluorides	
185	Health & sustainability	Pay attention to the small independent water systems on the Coast	
186	Health & sustainability	Encourage green roofs	
187	Health & sustainability	Consider / pay attention to water sustainability for all species	
188	Health & sustainability	How are our municipal water pipes monitored for leakage and is there a risk for reverse contamination?	
189	Health & sustainability	Why is Sechelt not developing an alternate source other than SCRD surface water?	
190	Health & sustainability	“Living by water” program online (Clive Calloway)	
191	Health & sustainability	Why do we use water to treat sewage? (Composting toilets & gray water)	
192	Health & sustainability	Limit carcinogens	
193	Health & sustainability	Is fluoride sage to put in our drinking water? (Ozone)	
194	Health & sustainability	A rebate program on front-loading washers	
195	Health & sustainability	Encouraging “Back casting” in municipal planning.	
196	Health & sustainability	Putting bylaws in place to enforce: low flush, low flow, collecting rain, changing plumbing.	
197	Infrastructure	(protest everyone’s rights)	
198	Infrastructure	Aquifer mapping	
199	Infrastructure	Audit systems for leaks	
200	Infrastructure	By laws to control conservation in new developments	
201	Infrastructure	Contamination by recreation use, need closer monitoring	
202	Infrastructure	Curb promotion of economic development because of lack of water	
203	Infrastructure	Discourage lawns, encourage xeriscaping	
204	Infrastructure	Education	
205	Infrastructure	Elevation issues	
206	Infrastructure	Geotechnical studies for drainage or logging damage from slippage – needs temporary containment	
207	Infrastructure	Ground water regulations needed	
208	Infrastructure	Know water supply – pipe location to homes	
209	Infrastructure	Limit daily domestic use with penalties	
210	Infrastructure	LRMP	
211	Infrastructure	Make provincial money available to small communities to develop or improve their own water system / or join regional district / or incorporate	
212	Infrastructure	Mandatory cisterns to collect rain water (SCRD offer at cost)	
213	Infrastructure	Meter supply	
214	Infrastructure	More source protection rather than more treatment...Chapman Creek	
215	Infrastructure	More sub systems	
216	Infrastructure	More water used, the more cost per unit	



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217	Infrastructure	Neighbourhood metering	
218	Infrastructure	People using wells and creek water want control of their watershed	
219	Infrastructure	Public knowledge of build out allowed by zoning	
220	Infrastructure	Reduced pressure on outside taps	
221	Infrastructure	Strategy for summer storage	
222	Infrastructure	Volunteer policing of neighbourhood	
223	Land development	Alternate road route	
224	Land development	Buffer zone on private land beside creeks	
225	Land development	Crossing property line boundaries	
226	Land development	Develop a rural catchment below clear cutting – (topsoil extraction) steep slope	
227	Land development	Educate for water conservation	
228	Land development	Enable district to fund expert studies to establish zoning plans for all public resources	
229	Land development	Ensure enough water for all development	
230	Land development	Grey water for golf courses	
231	Land development	Heritage tree preservation	
232	Land development	How to motivate politicians to do what has to be done	
233	Land development	Implement RAR regulations	
234	Land development	Lobby – eg Ministry of Highways for change	
235	Land development	More education	
236	Land development	Natural ditches	
237	Land development	No gutters from hwy in subdivision	
238	Land development	Storm water retention and siltation control mechanism	
239	Land development	Summer watering	
240	Land development	Too many government levels	
241	Land development	Water course – public ownership	
242	Land development	Well water impact on Chapman Creek hatchery and communicate to hatchery	
243	National	Legal challenges of foreign ownership of our resources (water)! E.g. Terasen sale as a possible precedent	
244	National	Agricultural Land Reserve	
245	National	Selling Water Licenses	
246	National	Privatization of Water e.g. African countries. Public Control Issue.	
247	National	Consumption #1 irrigation/agriculture. Drinking water ~less.	
248	National	Water Protection ~ Shipping resource	
249	National	Become informed ~ web knowledge	
250	National	Water as a commodity ~ links to big business	
251	National	Motivation ~ profit /conservation	
252	National	Lack of confidence by public in powers that be ~ advocacy	
253	National	Do we look after our resources well? ~ policy	
254	National	Water as PRIMARY Resource	
255	National	National policy to consider community needs ~ provincial	



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256	National	Community need and concerns should form National Water Policy. National Water Policy should give the provinces power, and the provinces and the community need to communicate.	
257	National	Lobby Federal Government from turning water into a commodity or economic good.	
258	National	Goals for water ministry: Impact on soil conservation, sedimentation, mapping, financial resources.	
259	National	Food is Water! Local agriculture	
260	National	Legal challenges to buy water	
261	National	Land development	
262	National	Willing to take risks	
263	National	Trade off with longer term people on Councils prior to public consultation.	
264	National	Where is the water for East Porpoise Bay?	
265	National	Own water from sea water	
266	National	Master Plan for development	
267	National	Only allow hookups as water is naturally available.	
268	Salmon hatchery	Chapman Creek water is stretched too thin. Just barely enough water to sustain hatchery (200 litres per second). DFO minimum for hatcheries is 400 litres per second.	
269	Salmon hatchery	Reduce watering in summer	
270	Salmon hatchery	More communication with Con Ag about ground-water use.	
271	Salmon hatchery	Need info on zoning bylaws	
272	Salmon hatchery	Can more development be supported?	
273	Salmon hatchery	New development standards to allow innovation to take place	
274	Salmon hatchery	Stream stewardship program	
275	Salmon hatchery	Change culverts to fish-friendly systems	
276	Salmon hatchery	No dams on Chapman	
277	Salmon hatchery	Fire Dept. safety at risk because of minimum water flow	
278	Salmon hatchery	Less water used o 3-day weekends (e.g., more in river)	
279	Salmon hatchery	Dam Chapman Lake	
280	Salmon hatchery	Affected by other ministries	
281	Salmon hatchery	Public education required	
282	Salmon hatchery	This area has steep slopes	
283	Salmon hatchery	Problem for reservoir	
284	Salmon hatchery	Gibsons aquifer remains constant	
285	Watershed	Water use plan for the whole coast	
286	Watershed	Use of aquifers (private)	
287	Watershed	Upstream rites	
288	Watershed	Take community forest out of watershed	
289	Watershed	Regional growth strategy	
290	Watershed	Protection of watershed for drinking water	
291	Watershed	Private use of aquifers	
292	Watershed	Pressure government to reinstall hydrometric stations	
293	Watershed	Planning on an individual watershed basis, not on political basis	



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294	Watershed	No industrial activity in community watershed	
295	Watershed	Need to know what politicians think	
296	Watershed	Need for restoration of watershed and a geotech study	
297	Watershed	More education re. Misuse of water, conservation, “best practices”	
298	Watershed	Lowering of aquifer and its impact on Chapman Creek	
299	Watershed	Knowledge transfer from one generation of politicians to next to deal with problems	
300	Watershed	How does local community participate in watershed management>	
301	Watershed	Educate politicians and public re. Costs involved	
302	Watershed	Each watershed is unique	
303	Watershed	Differentiate between water for cosmetic uses and agricultural uses	
304	Watershed	Broader assessment for water use and needs in view of possible buildout.	
305	Watershed	Broader assessment for water use and needs in view of build-out	
306	Watershed	Better monitoring of watershed use	
307	Watershed	All watersheds protected	
308	Watershed	All watershed should be protected	