

## Q1 Please provide your contact information:

Answered: 40 Skipped: 0

Answer Choices	Responses
Name:	100.00% 40
Email address:	100.00% 40
Phone number:	100.00% 40

#	Name:	Date
1	Steve Albrecht	6/5/2016 1:19 PM
2	Allen T. Miller	6/2/2016 2:17 PM
3	Dave Peeler	6/2/2016 2:10 PM
4	Bob Wubbena	6/2/2016 2:07 PM
5	Gary Young	6/2/2016 1:15 PM
6	Dennis Burke	6/2/2016 9:47 AM
7	Tod Ayers	6/1/2016 8:18 AM
8	Beth Horner	5/31/2016 5:31 PM
9	John Tafejian	5/31/2016 11:25 AM
10	James Dick	5/31/2016 10:45 AM
11	Beverly Curry	5/29/2016 7:23 PM
12	Thomas Van Nuys	5/28/2016 5:45 PM
13	Julie Simpson	5/27/2016 4:14 PM
14	Lori Provoe	5/27/2016 12:10 PM
15	Carol Trasatto	5/27/2016 8:58 AM
16	Allan J Jones	5/27/2016 7:29 AM
17	Jeffrey J. Jaksich	5/25/2016 10:39 PM
18	John DeMeyer	5/25/2016 9:46 AM
19	Bev Bassett	5/25/2016 12:20 AM
20	Bob Holman	5/24/2016 10:34 PM
21	Donald R. Melnick	5/24/2016 9:48 PM
22	Gary Cooper	5/24/2016 4:12 PM
23	joleen karl	5/24/2016 3:00 PM
24	Jon Taylor Clinton	5/24/2016 3:00 PM
25	tax paying citizene	5/24/2016 2:58 PM
26	Allen Miller	5/24/2016 2:50 PM
27	Frank Hudik	5/24/2016 2:19 PM
28	R. N. Wadley	5/24/2016 2:14 PM
29	Nikki McClure	5/24/2016 2:12 PM
30	R. Patrick Taggesell	5/24/2016 1:54 PM
31	Jack Havens	5/24/2016 9:41 AM

Capitol Lake/Deschutes Estuary Public Input Form - May 19 thru June 2, 2016

32	Bob Wubbena	5/24/2016 7:52 AM
33	Rob koden	5/23/2016 9:34 PM
34	Glen Hudson	5/20/2016 2:34 PM
35	Alex Callender	5/20/2016 10:09 AM
36	Maxxi Dunn	5/20/2016 9:28 AM
37	Nancy Partlow	5/20/2016 9:23 AM
38	Randall Snell	5/20/2016 7:42 AM
39	Bill Julius	5/19/2016 9:56 PM
40	Dale Putnam	5/19/2016 8:50 PM
<b>#</b>	<b>Email address:</b>	<b>Date</b>
1	alberndts@	6/5/2016 1:19 PM
2	allen@	6/2/2016 2:17 PM
3	davepeeler@	6/2/2016 2:10 PM
4	rwubbena@	6/2/2016 2:07 PM
5	gflh2k@	6/2/2016 1:15 PM
6	waeng@	6/2/2016 9:47 AM
7	tod.ayers@	6/1/2016 8:18 AM
8	bethhorner@	5/31/2016 5:31 PM
9	jtafej@	5/31/2016 11:25 AM
10	jgdline@	5/31/2016 10:45 AM
11	numarus123@	5/29/2016 7:23 PM
12	treasurer@	5/28/2016 5:45 PM
13	southsoundblue@	5/27/2016 4:14 PM
14	provoe@	5/27/2016 12:10 PM
15	blsstara@	5/27/2016 8:58 AM
16	OlyWaJones@	5/27/2016 7:29 AM
17	eastbay4@	5/25/2016 10:39 PM
18	jodem111@	5/25/2016 9:46 AM
19	bev@	5/25/2016 12:20 AM
20	justisholman@	5/24/2016 10:34 PM
21	dmpugetsd@	5/24/2016 9:48 PM
22	gary-cooper1@	5/24/2016 4:12 PM
23	joleenkarl@	5/24/2016 3:00 PM
24	tayclinton@	5/24/2016 3:00 PM
25	NoYB	5/24/2016 2:58 PM
26	allen@	5/24/2016 2:50 PM
27	hudik5@	5/24/2016 2:19 PM
28	pmb500@	5/24/2016 2:14 PM
29	nikki@	5/24/2016 2:12 PM
30	taggesell@	5/24/2016 1:54 PM
31	bikeandfish@	5/24/2016 9:41 AM

Capitol Lake/Deschutes Estuary Public Input Form - May 19 thru June 2, 2016

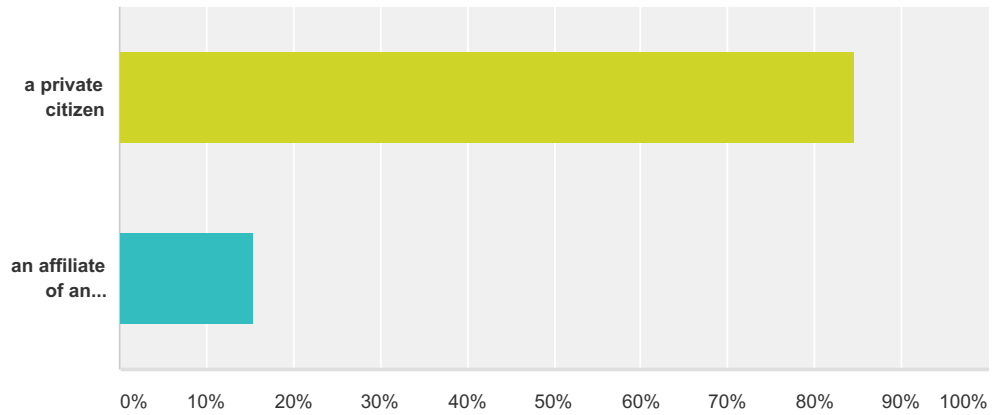
32	rwubbena@	5/24/2016 7:52 AM
33	Rjk951@	5/23/2016 9:34 PM
34	glengaryh@	5/20/2016 2:34 PM
35	acal461@	5/20/2016 10:09 AM
36	bluemaxxi@	5/20/2016 9:28 AM
37	nanpartlow@	5/20/2016 9:23 AM
38	rsnell22@	5/20/2016 7:42 AM
39	wdjulius@	5/19/2016 9:56 PM
40	putnadm@	5/19/2016 8:50 PM
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1		6/5/2016 1:19 PM
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22		5/24/2016 4:12 PM
23		5/24/2016 3:00 PM
24		5/24/2016 3:00 PM
25		5/24/2016 2:58 PM
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Capitol Lake/Deschutes Estuary Public Input Form - May 19 thru June 2, 2016

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37		5/20/2016 9:23 AM
38		5/20/2016 7:42 AM
39		5/19/2016 9:56 PM
40		5/19/2016 8:50 PM

### Q2 Are you attending as:

Answered: 39 Skipped: 1



Answer Choices	Responses	
a private citizen	84.62%	33
an affiliate of an organization	15.38%	6
<b>Total</b>		<b>39</b>

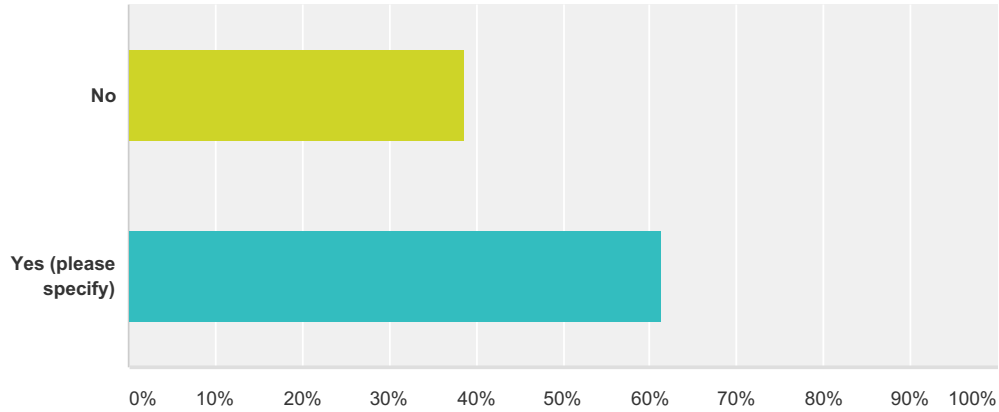
### Q3 What organization are you affiliated with?

Answered: 7 Skipped: 33

#	Responses	Date
1	North Capitol Campus Heritage Park Development Association	6/2/2016 2:17 PM
2	DERT	6/2/2016 2:12 PM
3	CLIPA	6/2/2016 2:08 PM
4	North Capitol Campus Heritage Park Development Association	5/24/2016 2:50 PM
5	CLIPA	5/24/2016 7:53 AM
6	WA Dept of Ecology	5/20/2016 10:09 AM
7	0	5/20/2016 9:28 AM

### Q4 Do you have any comments on the revised Goals and Objectives materials, Figure 1 and Figure 3?

Answered: 31 Skipped: 9



Answer Choices	Responses	
No	38.71%	12
Yes (please specify)	61.29%	19
<b>Total</b>		<b>31</b>

#	Yes (please specify)	Date
1	Be sure that the Best Available Science includes the evaluation and analysis conducted by Professor Emeritus David Milne on Capitol Lake and Budd Inlet water quality which has been peer reviewed by Professor Emeritus Oscar Soule, Professor KV Ladd and Professor Christian Thiessen.	6/2/2016 2:21 PM
2	Need to address both short (5-10 years) and long term status and trends of goals & objectives (10-50 years). Some short term impacts at a restoration project may be negative in short term but positive in long terms or vice versa.	6/2/2016 2:16 PM
3	Add: Initiate water quality monitoring program from Henderson Street Bridge to Priest Point Park for all parameters of concern. Continue monthly/quarterly from now until 2020.	6/2/2016 2:10 PM
4	1) you guys have a hard job. Without in depth knowledge, it seems to make sense to allow salt water to flush out the north basin of the lake several times per year. I personally like the lake. And I'm concerned about allowing sediment into Budd inlet affecting recreation activities.	5/31/2016 11:40 AM
5	Pre-construction uses and events should be included in timeline. Recreational use openings and closures, such as fishing and boating, should be included in fig 1 timeline.	5/31/2016 11:03 AM
6	Regarding "Best Available Science" it would seem to me you would want to cast as wide a net as possible so you don't run the risk of excluding meaningful information.	5/29/2016 7:25 PM

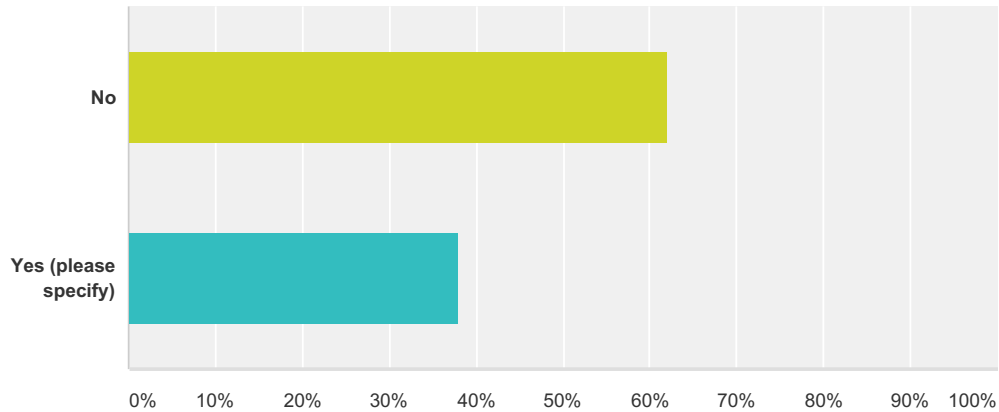
## Capitol Lake/Deschutes Estuary Public Input Form - May 19 thru June 2, 2016

7	<p>As a civil engineer with in excess of 30 years professional experience with design, permitting and construction of major dams and water resource projects who has personally reviewed a number of the previously completed studies intended to compare the alternatives of keeping Capitol Lake and removing same, I recommend that an independent panel of highly qualified experts be convened, much as would be done by any federal agency contemplating such a technically, scientifically, environmentally and culturally complex project as this one is. I recommend this for the same reasons that this approach is commonly used by others; namely that the consequences of failure in any of the above noted areas would be major both in terms of costs, environmental consequences and other factors. Though hydroelectric energy is obviously not at issue here probably the federal agency that deals most with the comparable situations is the Federal Energy Regulatory Commission (FERC) that routinely requires independent reviews of such projects (called by them Boards of Consultants) and makes independent board approval a condition of approval to proceed with the project. In addition to the obvious benefit a second set of eyes provides in my experience such reviews also provide a great deal of comfort for funding authorities be they government or private and in this instance significant funding will be necessary no matter which alternative is ultimately selected. In addition given that a great deal of factual complexity and emotional myth surrounds this project I believe such an independent look would aid greatly in educating and calming the concerned public. I recommend that a Congressional representative could assist with quickly putting you in touch with the FERC so they can assist you in contemplating in greater detail what convening a Board of Consultants would involve. If I can be of further assistance please do not hesitate to contact me. Thanks very much for the opportunity to comment.</p>	5/24/2016 10:32 PM
8	<p>There was never a natural salmon run due to the falls. This criteria needs to be removed from the matrix. Who pays for what if the lake stays a lake or is made into an estuary needs to be clearly spelled out.</p>	5/24/2016 3:01 PM
9	<p>The Wilder and White and Olmsted Brothers design of the State Capitol Campus is recognized by Professors Henry-Russell Hitchcock, William Seale, Norman Johnston and others as the greatest example of City Beautiful Movement architecture in the United States. The tide lock and Capitol Lake are protected under the National Register of Historic Places as parts of the Capitol Campus under section 106 of the National Historic Preservation Act and its implementing regulations, 36 CFR 800.</p>	5/24/2016 2:57 PM
10	<p>We support returning Capital Lake to its original configuration, void of subsequent human influence.</p>	5/24/2016 2:24 PM
11	<p>Figure 3 implies a connection between the three subjects, but doesn't really spell it out. It looks like a useful graphic for understanding and the structure implies it, but I'm not seeing how it helps my visual understanding better than, say a three column powerpoint or chart. Showing relationships between the ideas would help me understand it better (or more deeply). The squares and triangles on the right hand side, for instance, help me connect different pieces of information. More of features like that (perhaps showing the relationships between the project documentation and the long term goals and/or values?).</p>	5/24/2016 1:59 PM
12	<p>We need to insure that we have an objective third party reviewing panel be used to identify and retain new information of importance to this issue.</p>	5/24/2016 9:55 AM
13	<p>Up date water quality data based on actual field studies by Thurston County Health Department and select a third party "Board of Consultants" to review both past and current data, before reporting on "facts on the Lake". Too many of the listed findings have either been corrected by local government watershed/utility enhancements and other monitoring data presents findings that differ from that presented in the final CLAMP reports.</p>	5/24/2016 8:08 AM
14	<p>it is a win win situation for both sides of the lake controversy.</p>	5/23/2016 9:42 PM
15	<p>Return to the natrul estuary.</p>	5/20/2016 12:59 PM
16	<p>Improve recreational opportunities should probably include public access too.</p>	5/20/2016 12:27 PM
17	<p>The committee is stacked against the lake. Good luck with your smelly salt water marsh and controlling the flooding in the downtown during times of high tides and high river flows.</p>	5/20/2016 7:44 AM
18	<p>Capitol Lake, in an urban area, was intended to serve as part of an overall plan for the capitol campus and its connection to Puget Sound. That should remain its primary role. It is not essential habitat requiring reversion to tidal flows. Maintaining the lake as a lake should be the responsibility of the state.</p>	5/19/2016 10:00 PM
19	<p>It seems that one of the original primary goals or objectives when the lake was originally developed is getting little to no attention. Specifically, the aesthetic value to the stare and community of a reflecting pool that enhances the view of the capital and is nice appearing even when not looking at the capital. Economic analyses are fine, but concentration on the cost of developing and maintaining most of the world's major works of art would have resulted in them never being developed or, in the case of paintings, being painted over as that is much cheaper than maintaining or restoring them. Although water quality, habitat, technical studies of all things physical related to the lake, etc., have value, I don't believe they should be the driving factors when evaluating maintenance and restoration of a project originally proposed primarily for aesthetic reasons.</p>	5/19/2016 9:10 PM



**Q5 In addition to the compiled list in the material packet, do you have any other technical studies, agency reports or evaluations related to water quality and habitat for the Capitol Lake basin?**

Answered: 29 Skipped: 11



Answer Choices	Responses	
No	62.07%	18
Yes (please specify)	37.93%	11
<b>Total</b>		<b>29</b>

#	Yes (please specify)	Date
1	The habitat packet needs to include the restoration of the wild salmon run up Percival Creek study. The evaluations and analyses conducted by Professor Emeritus, David Milne of the Evergreen State College related to Capitol Lake and Budd Inlet. Also the peer reviews by Professor Emeritus Oscar Soule, Professor KV Ladd and Professor Christian Thiessen.	6/2/2016 2:21 PM
2	1) All of the CLAMP reports should be listed. 2) Also, see technical reports on South Puget Sound model and dissolved oxygen studies and Salish Sea model. Best Available Science - Dept of Ecology (EPA, USGS and others) have policies in place to ensure "credible data" is used in its work. Should be added to your screen and used for implementing B.A.S. Need to determine "process" to implement B.A.S.	6/2/2016 2:16 PM
3	Thurston County Sampling data for Capitol Lake from 2000 to current for DO, Bacteriological & other items sampled -- continue sampling.	6/2/2016 2:10 PM
4	1) Need to know model calibration, model verification and model simulation conditions and data sets. 2) What flow was used for model runs Qy10 or Qy30?	6/2/2016 9:55 AM
5	I don't have reports, but aren't there are reports associated with fish stocking available from WDFW? Are there other evaluations performed during the swim closure time? Are there justification studies for boat closures?	5/31/2016 11:03 AM
6	1. "Budd Inlet Scientific Study" (Aura Nova Consultants Inc et al., 1998 2."Technical Evaluation Report for the Discharge of Treated Wastewater from the Tumwater Brewery", CH@M Hill, 2001 3. An economic impact of the Port of Bremerton's recreation boat marina on the local economy. circa 2006?	5/25/2016 9:55 AM
7	I am currently unable to transmit the following article which is relevant to Chinook salmon rearing habitat in Capitol Lake: "Diet and Bioenergetics of Lake-Rearing Juvenile Chinook Salmon in Lake Washington" Authors: Koehler, et. al. Published online by: Transactions of the American Fisheries Society 135:150,2006	5/24/2016 9:55 AM

## Capitol Lake/Deschutes Estuary Public Input Form - May 19 thru June 2, 2016

8	CLIPA's Web Site has an extensive bibliography of reports and "inter agency memos" that present a more detailed and current finding on water quality, sediment management, economic studies, and public input that was not included in the earlier DES listing of reports. Dr Milne has prepared three extensive "Research/Response Documents on Capitol Lake" that is an essential "review of the science of Capitol Lake and Peer Review of Ecology's public reports". CLIPA will provide a supplemental list of reports that are both current and professionally prepared on the Lake and are more current than the early 2000's work done by the State.	5/24/2016 8:08 AM
9	Who would be responsible for testing for fecal coliforms? Cost of the fecal coliform tests? Lifeguards?	5/23/2016 9:42 PM
10	I do not have technical studies, but as a private citizen I have written several blogs about the habitat and wildlife at the Capitol Lake Interpretive Center, and plan to write several more, with the next being about pollinators at the CLIC: Intro: <a href="http://olypollinators.blogspot.com/2016/01/a-wild-success-capitol-lake.html">http://olypollinators.blogspot.com/2016/01/a-wild-success-capitol-lake.html</a> Plants: <a href="http://olypollinators.blogspot.com/2016/02/a-wild-success-capitol-lake.html">http://olypollinators.blogspot.com/2016/02/a-wild-success-capitol-lake.html</a> Food: <a href="http://olypollinators.blogspot.com/2016/04/a-wild-success-food.html">http://olypollinators.blogspot.com/2016/04/a-wild-success-food.html</a> I have also filmed many videos of Capitol Lake's wildlife, include this one showing hundreds, if not thousands of freshwater mussel shells lining the bottom of Capitol Lake during a mid-winter drawdown: <a href="https://www.youtube.com/watch?v=VP3psqRpU4k">https://www.youtube.com/watch?v=VP3psqRpU4k</a>	5/20/2016 9:35 AM
11	I cannot name them, but surely the state can find qualified people or organizations to provide evaluations as to the aesthetic value (if any) of the various proposals that have been made. For this type of project, any environmental impact statement that doesn't include an evaluation of the aesthetical impact of the project should be considered incomplete.	5/19/2016 9:10 PM

## INPUT ON METHODOLOGY FOR BEST AVAILABLE SCIENCE

### ROBERT HOLMAN COMMENTS – JUNE 1, 2016

I encourage the Executive Committee to select the Federal (US EPA) guidelines for evaluation of Best Available Science. From the information DES and Floyd Snyder provided, it appears that the EPA approach is somewhat more subjective than the state or international methods, and provides a better opportunity for information to be considered from non-agency community members. This is important because the agency members on the Technical Committee, especially Ecology, have familiarity with the exclusionary rules of the more rigid State methodology and access to substantial resources that volunteer groups such as CLIPA and DERT cannot obtain. This process needs the checks and balances that the community input can provide. Compounding this is my observation that Ecology's technical staff has displayed a clear bias throughout the Deschutes Watershed TMDL process to identify Capitol Lake and the dam as the major source of water quality problems.

### BACKGROUND

I have worked with Ecology staff for over forty years, first in the private sector in the local chemical industry, then in the public sector with the LOTT Alliance and currently as a member of the Deschutes Watershed TMDL Advisory Committee. My experiences with Ecology have mainly been positive and include working collaboratively in both permitting and regulations, with a highlight being the receipt of an Environmental Excellence Award from the Governor for our facility in Elma, Washington. However, I have become increasingly concerned with the direction of Ecology technical staff as I have participated in the Deschutes TMDL. In my comments last week to the Executive Committee as a CLIPA member, I described the efforts to create an estuary as "a solution, looking for a problem". This is particularly evident in Ecology's approach to the TMDL. Over the last several years, Ecology staff has presented the TMDL Advisory group with a series of problems associated with Capitol Lake that they claim could be solved with dam removal and creation of an estuary. Most of these problems have been shown to be non-existent, insignificant or are currently under question. The Executive Committee heard a few of these questions in Dr. David Milne's presentation last week.

It's not my intent to review here the litany of issues ~~I have~~ with Ecology, but it is important to recognize that the Ecology influence on the Technical Committee needs to be balanced with community input. And most important, when significant differences are found, an independent evaluation by outside experts should be undertaken by DES. This is exactly what the Ruckelshaus process recommended with respect to Ecology's model, on page 15, #1 of their report:

1. Resolve the dispute regarding the modeling of the dam's impact on water quality in Budd Inlet by selecting one (or both) of the following paths:
  - Obtain another independent scientific review of the Washington State Department of Ecology's computer model of this dynamic,
  - Request that those independent reviewer—and possibly a third party facilitator—participate.....".

I suggest one further litmus test that the Executive Committee can use to determine whether the selected methodology does not unfairly limit community input, for example, due to a "peer review" issue or not meeting some obscure regulation known only to Ecology. If Dr. Milne's reports are excluded from the Technical Committee analysis or third party reviews, this should be a clear signal that the process has failed.

From: David H. Milne

June 1, 2016

To: Executive Committee, DES Capitol Lake Work Group

Re: Best Available Science: Recommendations

Dear Committee Members:

With regard to identifying and obtaining the “Best Available Science” pertaining to the possible retention and future management of Capitol Lake, I suggest the following;

1) Conduct a year-long *field study* of the Lake’s capture of nutrient nitrogen, growth of Lake plants and phytoplankton, transfers of nutrient nitrogen and organic carbon between Capitol Lake and Budd Inlet, and consequent effects on dissolved oxygen in Budd Inlet;

The main studies recently reported mostly rely on the Department of Ecology’s Budd Inlet Model, which is structurally incapable of evaluating this critical Lake/Inlet connection.

2) Conduct a study (field observations and literature review) of the alleged ecological hazard posed by the New Zealand Mud Snail, to include comparison of any effects of the snails now present in Lake Washington and Blue Slough with those in Capitol Lake and any instances of damage caused by the snails elsewhere;

After closure of the Lake on account of the snail’s introduction, no follow-up studies were made of whether initial fears of the snail’s impact were justified. If it is really harmless, we need to know that and re-open the Lake to public access.

3) Conduct a study of the significance of Capitol Lake as habitat for several freshwater species of concern and interest, including the Olympic Mudminnow and a newly introduced freshwater mussel;

The CLAMP Wildlife assessment (Hayes et al, Sept. 2008) should be updated by considering native and introduced species that are now common in the Lake, having arrived after the CLAMP assessment was made. Several native species of special concern (Olympic Mudminnow, an indigenous fish whose habitat elsewhere is very restricted, and the signal crayfish, a predator with potential for controlling NZ Mudsnailed) that were dismissed from consideration by the CLAMP assessment need detailed re-examination. In particular the fact that the NZ Mudsnailed (introduced 2009) will almost certainly persist in an estuarine replacement for Capitol Lake needs to be emphasized.

4) Evaluate the role of the Lake in providing a food base (emergent freshwater insects) for the huge Woodard Bay bat population and roles of the bats (with swallows, purple martins, swifts, and dragonflies) in mosquito control in our community;

The roles of bats and aquatic emergent insects are now better understood, since the times of those early assessments. The flying predators may be key factors in mosquito control that would be lost if the Lake is replaced by an estuary.

5) Create an up-to-date census of the native and introduced plant and animal species now inhabiting the Lake and West Bay;

6) Complete a field study (to include coliform bacteria levels, water clarity, and blue-green algae abundance) of the Lake's suitability as a public swimming facility and for the purpose of removing the Lake from the 303d water quality listing;

7) Arrange for a review of the interpretations of the Budd Inlet Model calculations as reported by the Washington Dept. of Ecology by an independent agency with no ties to state agencies (say, by the Corps of Engineers).

Ecology's TMDL Tech Report, Poster, and Supplemental Modeling Report are poorly written, present unverifiable results, and appear to downplay or omit Model calculations that support retention of the Lake.