Addendum A - DLWID Communication
August, 2009

DLWID has used almost all of the media mentioned in the communication meeting minutes to varying degrees

Who does the communication reach?

L - Local area - Lincoln City, Otis, Neotsu
BLS - Beyond local sometimes (Portland, Salem, Corvallis, Eugene, etc.)
BLU - Beyond local usually (beyond Oregon)

Reaches	DLWID currently communicates
L, BLS	1. Education and Schools (future property owners) local schools (Taft Elementary, Taft Middle School, Taft High School, Oceanlake Elementary, alternative school at City Hall) Oregon Coast Community College Portland State University Oregon State University University of Oregon (intern) RARE intern
L, BLS	2. Government - Lincoln City - Council (televised CH 21), D River dredging, Sustainability Committee, Earth Day, Bicycle and transportation, Planning, Public Works Lincoln County in Newport (Planning, Land Legacy Program) Oregon State (Human Services, ODFW, Marine Board, Sate Lands, etc.), Federal (USFW, USF, etc.)
L	3. Movie Theater
L, BLS	4. Newspapers - The News Guard (local), Newport News Times (county wide)
L, BLS	5. Oregon Coast Today
L	6. Radio
L	7. Speaking to Service Clubs - Kiwanis, Rotary, Lions, Chamber of Commerce
L, BLS	8. PADL - speaks at Saturday annual meeting (public welcome)
L, BLS	9. Watershed Councils - Salmon-Drift Creek (north Lincoln County), Mid-Coast (Lincoln County out of Newport)
L, BLS	10. Lincoln Soil and Water Conservation District - Newport office
L, BLS	11. SOLV - lake cleanup
	12. Oregon Invasive Species Council and other environmental organizations
L, BLS, BLU	13. Oregon Lake Association (OLA) (Annual meeting here in September) & Portland State University Center for Lakes and Reservoirs
L, BLS, BLU	14. North American Lake Management Society (NALMS)
L, BLS	15. Email
L, BLS	16. Website
L, BLS	17. Blog
L, BLS	18. You Tube
L	19. Kiosk
L	20. Signs
L	21. Public Access
	Limited in the past to special projects and concerns – T&L septic tank pumping offer, boathouse and boat dock ordinance
L, BLS	22. Direct Mail
L, BLS	23. Surveys

L, BLS	24.	TV Public access Channel 21 (Charter Cable only) - PowerPoint presentation in past
L, BLS, BLU	25.	OPB & Other Broadcast - does appear in OPB invasive species video and Salem Chemeketan Community TV video
L, BLS, BLU	26.	Videos - does appear in OPB invasive species video and Salem Chemeketan Community TV video - DVD available

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Other

L	27.	Door knob hangers
L	28.	Fliers left at homes

New

L, BLS	29.	NoSolarbees

None at present

30. Newsletter - DLWID used to send out

Addendum B – Cyanobacteria
August, 2009

Recreational Guidance Levels for microcystin

State of Washington's recreational guidance level is 6ppb for microcystin
Washington Department of Health still developing a recreational guidance level for anatoxin-a

State of Vermont's recreational guidance level is 6ppb for microcystin

State of Oregon's recreational guidance level is 8ppb for microcystin

Oregon's guidance value of 8ppb was derived using 20 kg as the default child body weight.
Posting intended to provide the public with information that indicates a public health hazard might exist. A further notice should warn that children, individuals with pre-existing medical conditions, and the elderly are considered susceptible populations.

State of California appears to be in the draft process as best I can find –
one draft document from 2008 puts level at 8ppb for microcystin but don't quote me

Cyanobacteria downloadable pdf documents
State of Oregon Department of Human Services website - www.oregon.gov
1. Cyanobacteria brochure
2. Cyanobacteria flier

North American Lake Management Society (NALMS) website - www.nalms.org
3. Algal toxins

Washington State Department of Health website
4. Washington State Recreational Guidance fo Microcystins (Provisional) and Anatoxin-a (Interim/Provisional)
5. Ecology's Freshwater Algae Program PowerPoint presentation

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Below from
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"Dense blooms may occur without much toxin production initially but end up being very toxigenic. Toxin levels often increase after the bloom visually begins to decline; because the toxins are held inside the algal cells and are released when the cells die and disintegrate. This is why our assessment policy says that advisories should remain in place for one week after measured toxin levels fall below the danger threshold; and two weeks after the concentration of toxigenic algal cells decline below the danger threshold."

Cyanotoxin testing
ELISA Immunassays
Strip Plate Reader

What toxins are being tested?
Microcystin
Saxitoxin

Coming (hopefully) soon
Anatoxin-a
Anatoxin-a (s)

Following USGS guidelines - sample protocol
taking more composite sample from each site

Safety and Water Quality
In July of 2004 a child drowned at the Regatta Grounds swimming area and it took days to find his body because of poor water quality and visibility. As Paul shared per photo at the end of his water quality report at the August DLWID board meeting - water quality can be poor inside the swimming area as well as outside the swimming area.

Fish
In Oregon, anglers are encouraged to thoroughly clean the fillet and discard gut contents and organs before cooking. During particularly dense blooms of toxigenic species or high toxin production, anglers have been advised to avoid consuming fish from those waters. It should be noted that microcystins are heat stable and not broken down by the heat generated through cooking (Harada et al. 1996)
David Stone and William Bress