

#### Acknowledgments

Michael Sokal and Vic Jensen, BC Ministry of Environment

Mark McKenney and Alicia Osland, Osoyoos Lake Water Quality Society

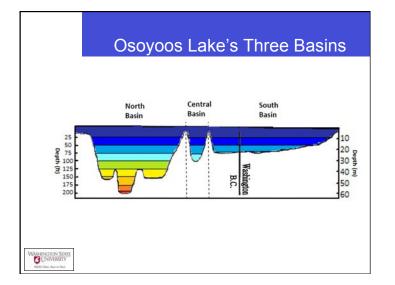
Dan Sherratt, Washington State Department of Ecology Environmental Assessment Program

Jensen, E.V. and P.F. Epp. 2002. Water quality trends in Okanagan, Skaha and Osoyoos lakes in response to nutrient reductions and hydrologic variation. B.C. Ministry of Water, Land and Air Protection.

Hyatt K.D., D.J. McQueen and D.P. Rankin. 2007. "Controls on Osoyoos Lake Limnology and Biological Production" Osoyoos Lake Water Science Forum http://www.obwb.ca/fileadmin/docs/osoyoos\_lake/ 04\_Hyatt\_Kim\_limnology.pdf

Jensen, E.V. 2007. "Water quality trends in Okanagan, Skaha and Osoyoos Lakes in response to nutrient reductions and changing hydrology' Osoyoos Lake Water Science Forum http://www.obwb.ca/fileadmin/docs/osoyoos\_lake/02\_Jensen\_Vic\_waterquality.pdf





#### "Take Home" Message

- 1. Water quality has improved substantially since 1970s
- 2. Summer bottom waters are void of oxygen
- 3. Water quality correlates weakly with inflow
- 4. Internal nutrient loading may affect water quality
- 5. Zosel Dam has minor effect on depth and flow rate
- 6. Dam operations are not a primary factor affecting water quality



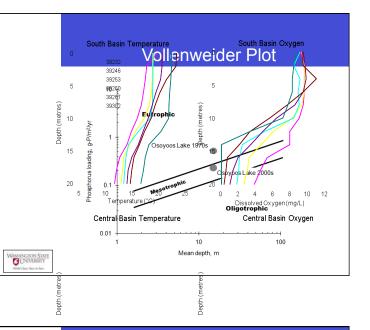
WASHINGTON STR.

## "Take Home" Message

#### 1. Water quality has improved substantially since 1970s

- 2. Summer bottom waters are void of oxygen
- 3. Water quality correlates weakly with inflow
- 4. Internal nutrient loading may affect water quality
- 5. Zosel Dam has minor effect on depth and flow rate
- 6. Dam operations are not a primary factor affecting water quality



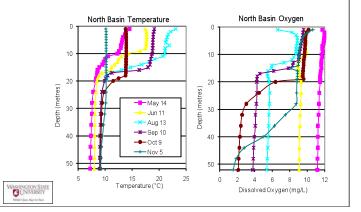


#### "Take Home" Message

- 1. Water quality has improved substantially since 1970s
- 2. Summer bottom waters are void of oxygen
- 3. Water quality correlates weakly with inflow
- 4. Internal nutrient loading may affect water quality
- 5. Zosel Dam has minor effect on depth and flow rate
- 6. Dam operations are not a primary factor affecting water quality



### North Basin Temp and DO

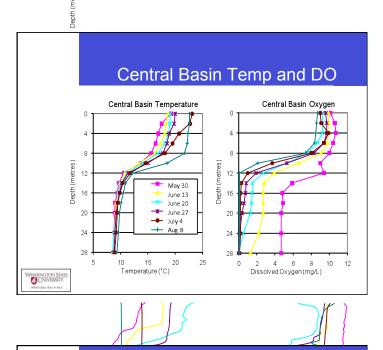


UNIVERSITY

WASHINGTON STATE

#### South Basin Temperature

es)



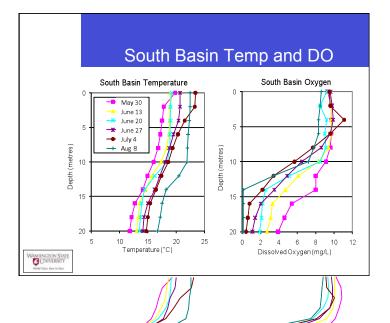
#### "Take Home" Message

- 1. Water quality has improved substantially since 1970s
- 2. Summer bottom waters are void of oxygen
- 3. Water quality correlates weakly with inflow

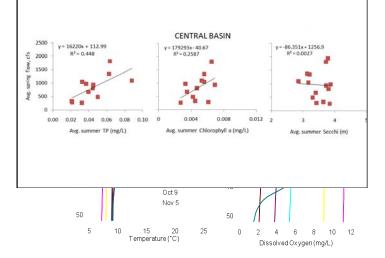
CUNIVERSITY

- 4. Internal nutrient loading may affect water quality
- 5. Zosel Dam has minor effect on depth and flow rate
- 6. Dam operations are not a primary factor affecting water quality





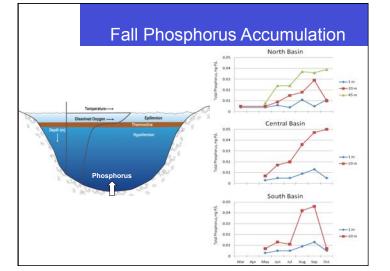
#### Inflow and Water Quality



### "Take Home" Message

- 1. Water quality has improved substantially since 1970s
- 2. Summer bottom waters are void of oxygen
- 3. Water quality correlates weakly with inflow
- 4. Internal nutrient loading may affect water quality
- 5. Zosel Dam has minor effect on depth and flow rate
- 6. Dam operations are not a primary factor affecting water quality





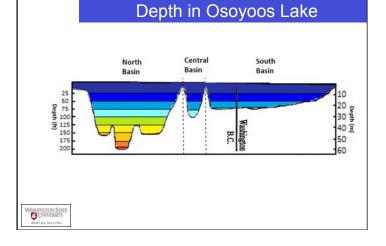
#### "Take Home" Message

- 1. Water quality has improved substantially since 1970s
- 2. Summer bottom waters are void of oxygen
- 3. Current water quality correlates weakly with inflow
- 4. Internal nutrient loading may affect water quality

#### 5. Zosel Dam has minor effect on depth and flow rate

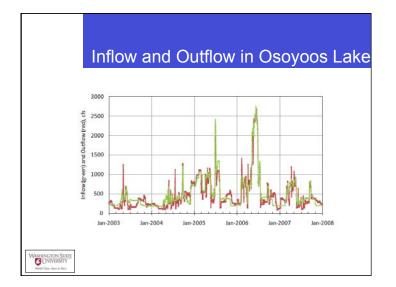
6. Dam operations are not a primary factor affecting water quality





CUNIVERSITY

WASHINGTON SIX

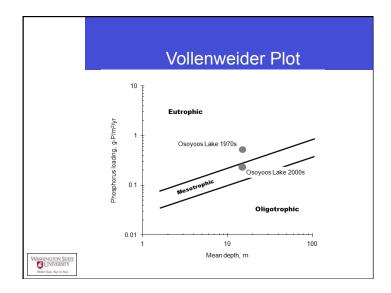


#### "Take Home" Message

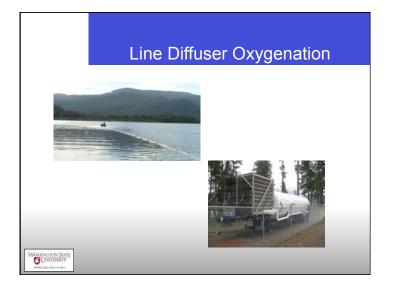
- 1. Water quality has improved substantially since 1970s
- 2. Water quality correlates weakly with inflow
- 3. Summer bottom waters are void of oxygen
- 4. Internal nutrient loading may affect water quality
- 5. Zosel Dam has minor effect on depth and flow rate
- 6. Dam operations are not a primary factor affecting water quality











# Before and After Oxygenation

