

# Don't Move a Mussel

Protecting BC Waters from the Impacts of  
Invasive Species



Presented by: Lisa Scott

Okanagan and Similkameen  
Invasive Species Society





# Okanagan Valley



# Okanagan Valley





**THE GLOBE AND MAIL** 

May 16, 2012

# Invasive snakehead fish found in B.C. park lagoon

By DAN FUMANO

Voracious predator could be big threat to native aquatic populations



## B.C. 'Frankenfish' report being investigated

Snakehead fish video posted on YouTube said to be from Metro Vancouver lagoon

[CBC News](#)

Posted: May 16, 2012 6:26 AM PT

Last Updated: May 16, 2012 9:20 PM PT

## Invasive mussels discovered in B.C. lake

Officials hope spread of quagga mussels averted

[CBC News](#)

Posted: Jul 17, 2012 11:16 AM PT

Last Updated: Jul 17, 2012 12:22 PM PT



## B.C. Urged To Take Action Against Invasive Mussels

CBC | Posted: 09/08/2012 8:33 pm Updated: 09/09/2012 12:14 pm



The Columbia-Shuswap Regional District is calling on the B.C. government to protect the province's waters against an invasive species of mussels.

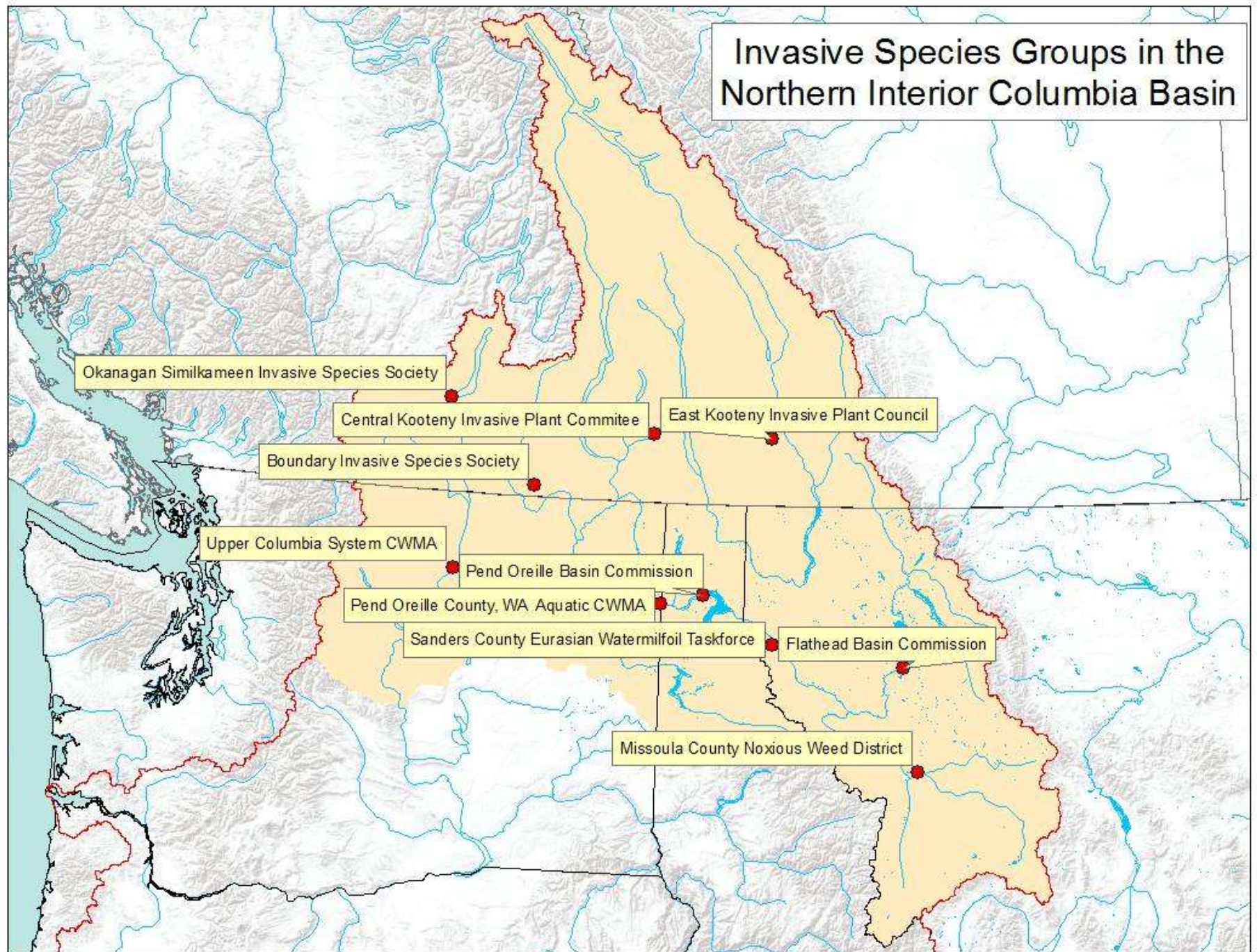
Zebra and quagga mussels cost municipalities in Ontario and several U.S. states millions of dollars each year to control.

They aren't established in B.C., but earlier this year an infected power boat from Arizona was launched in Shuswap Lake.

Officials later determined the mussels on the boat were dead, but regional district area director Rhona Martin says the incident should serve as a wake-up call to the province.



# Invasive Species Groups in the Northern Interior Columbia Basin



# British Columbia – Summary

Sector	Annual costs	% total impact
Hydropower generation	\$6,524,532	15.2
Agriculture - Irrigation	\$14,800,000	34.4
Municipal water supplies	\$9,251,608	21.5
Recreational boating	\$12,385,962	28.8
Fisheries, Tourism, Property values	?????	
Total	\$42,962,102	



# Regional Approach

Public Engagement = Changing Behaviour

- **Interactions with boaters and other water users at boat launches**
- Distribution of outreach materials
- Attendance at community events
- Provincial campground presentations
- Youth presentations







# DON'T MOVE A MUSSEL



SPREAD THE MESSAGE, **NOT** THE MUSSEL.





**OUR WATER  
IS AT RISK**

**STOP INVASIVE MUSSELS**



**DONTMOVEAMUSSEL.CA**

**PATTISON**

5/27/2014 12:13 PM

**PATTISON**



OUR BEACHES  
ARE AT **RISK**

**DON'T** MOVE A MUSSEL









# ATTENTION BOATERS

PROTECT OUR WATERS FROM INVASIVE MUSSELS



**CLEAN** All boat hulls, anchors, and outboard motors with approved hull cleaning products. Remove any paint, antifouling, or biofouling.



**CHECK** your boat and all gear before you leave the dock. Make sure you have no mussels on board.



**DON'T** dump anything overboard. Dispose of trash properly.



Check Boat Inspection Station for detailed guidelines.



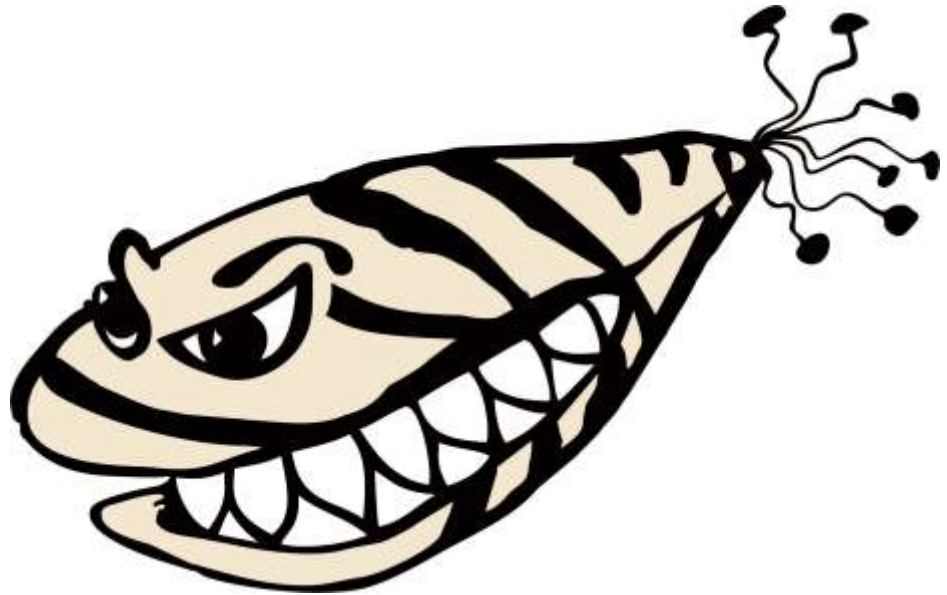
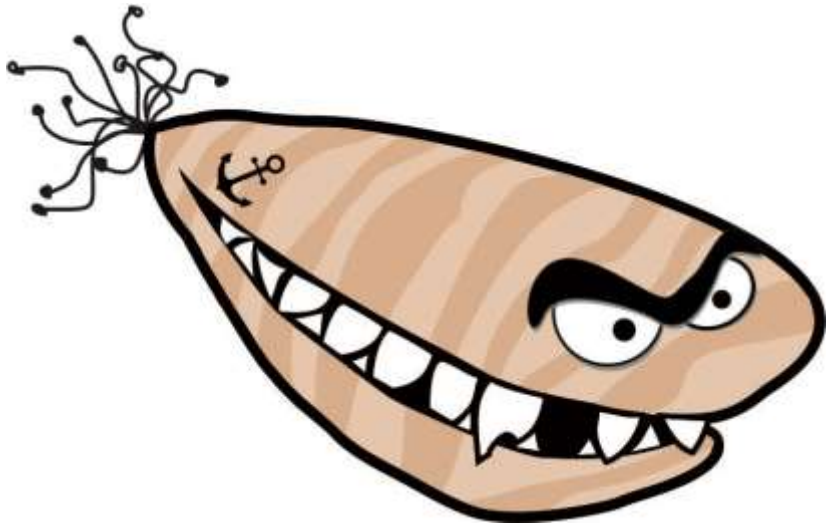
[DONTMOVEAMUSSEL.CA](http://DONTMOVEAMUSSEL.CA)

REPORT MUSSELS TO 1-877-662-0773

















**#stopaquatic hitchhikers**

**#dontmoveamussel**

**#cleandraindry**



RBC  
Blue Water  
Project







**DON'T MOVE A  
MUSSEL**  
DON'TMOVEAMUSSEL.CA

**STOP**

**the spread  
of aquatic  
invasive  
species**



RBC  
Blue Water  
Project

**clean  
drain  
dry**

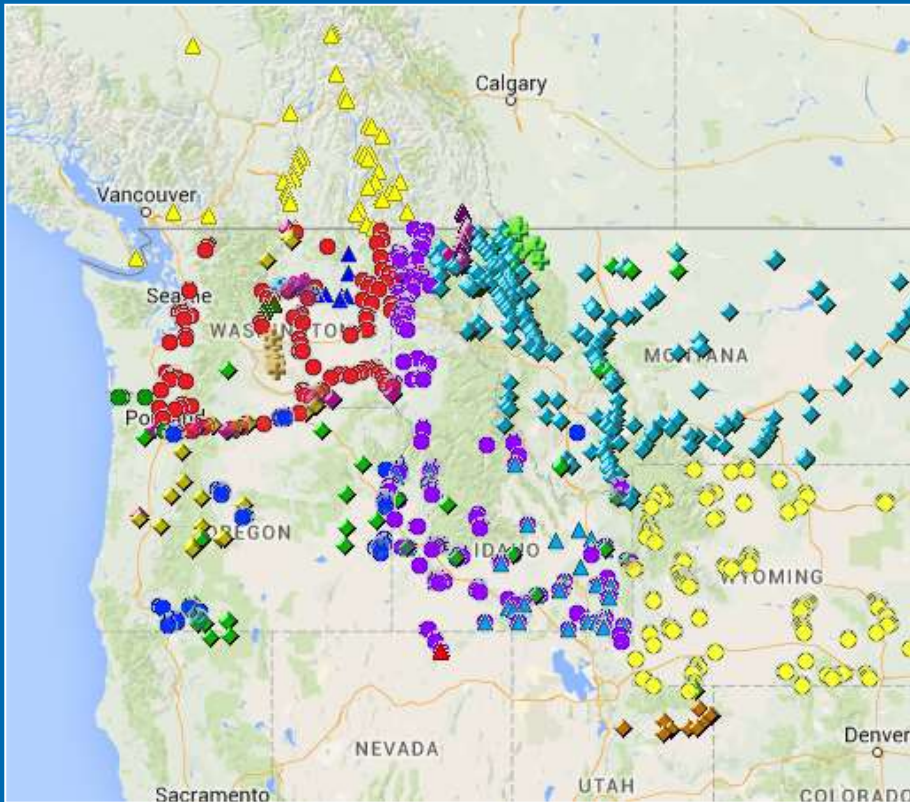
**your boat  
and  
equipment**





# 2015 Mussel Veliger Monitoring

Partnership between regional committees  
and provincial government



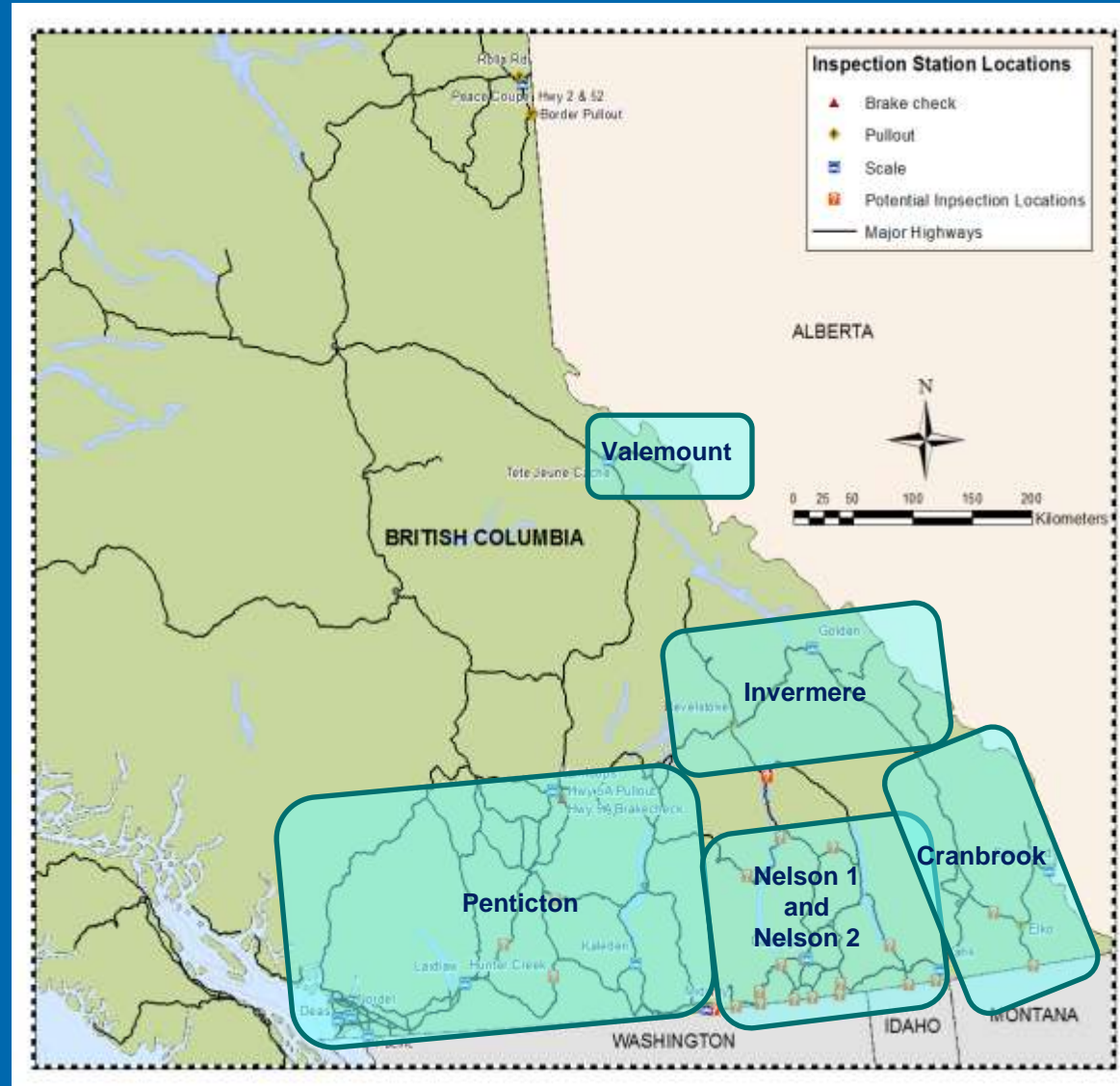
Source: Columbia River Basin AIS Database  
<http://crbais.psmfc.org/>

OASISS worked cooperatively with yacht clubs, marinas and BC Parks to monitor the local waters for invasive mussels



# BC Invasive Mussel Defence Program

Six trained inspection crews with mobile decontamination units

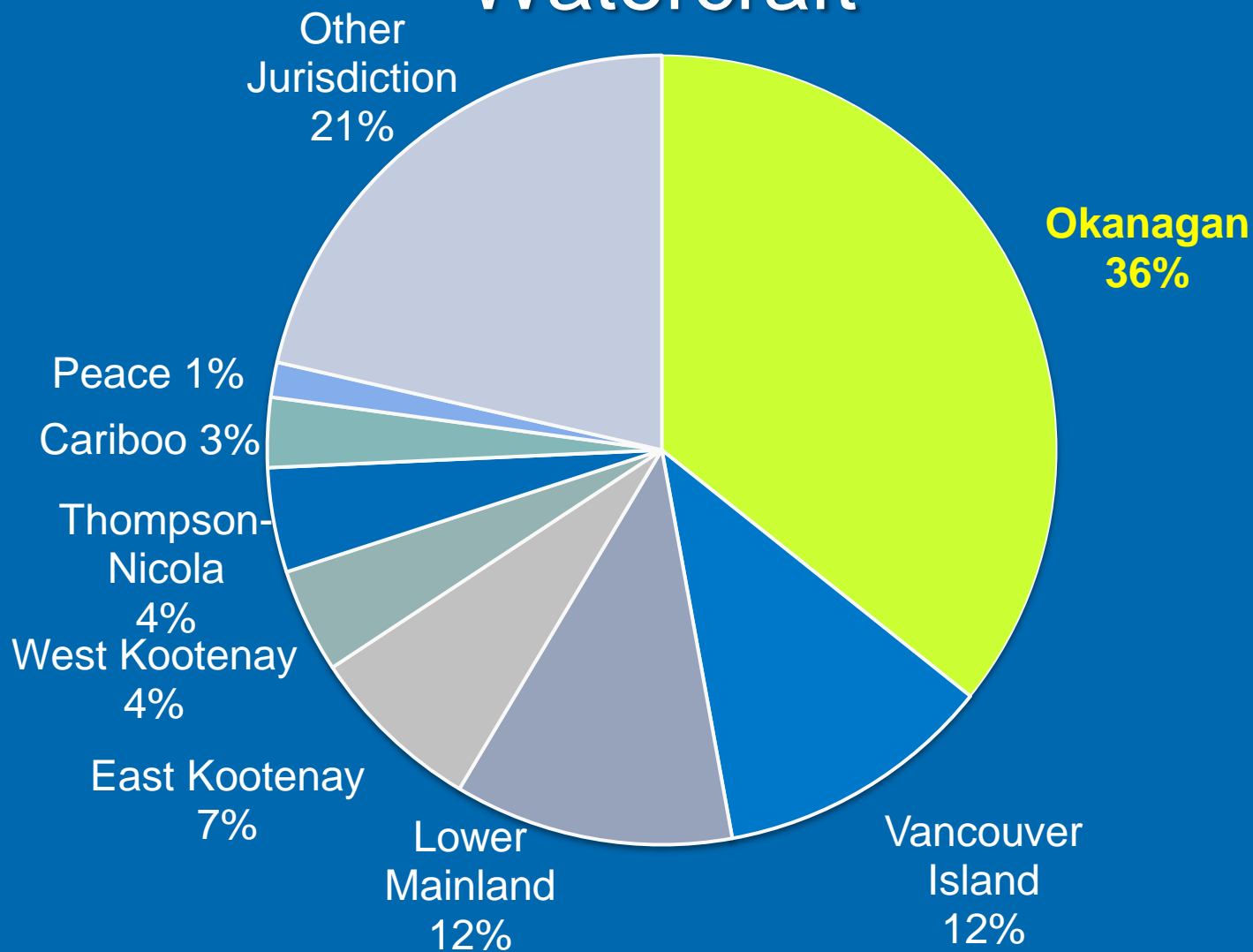




# Penticton Inspection Crew



# 2015 Data: Destination of High Risk Watercraft



\* Other jurisdictions: Alberta, Alaska, Wyoming, Montana, South Dakota and Washington



## Thanks to:

- Matthias Herborg and Martina Beck (BC Ministry of Environment)
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- Okanagan Basin Water Board

...for providing slides, images and advice.

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