



# **The Use of Catchable Trout, Lake Infrastructure and Innovative Monitoring Techniques to Develop Urban Fisheries**

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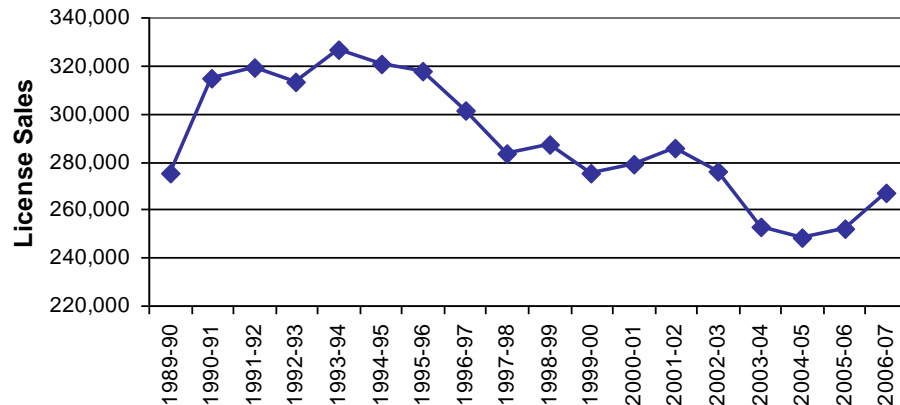


# The Issue?

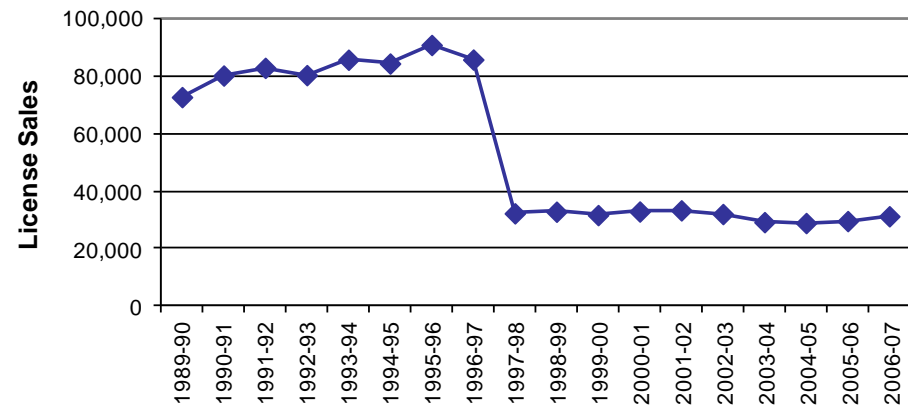
Decreased angling participation resulting from:

- Aging demographic
- Dual working parents
- Fuel costs
- Reduced access

Province Wide Basic License Sales - All Classes

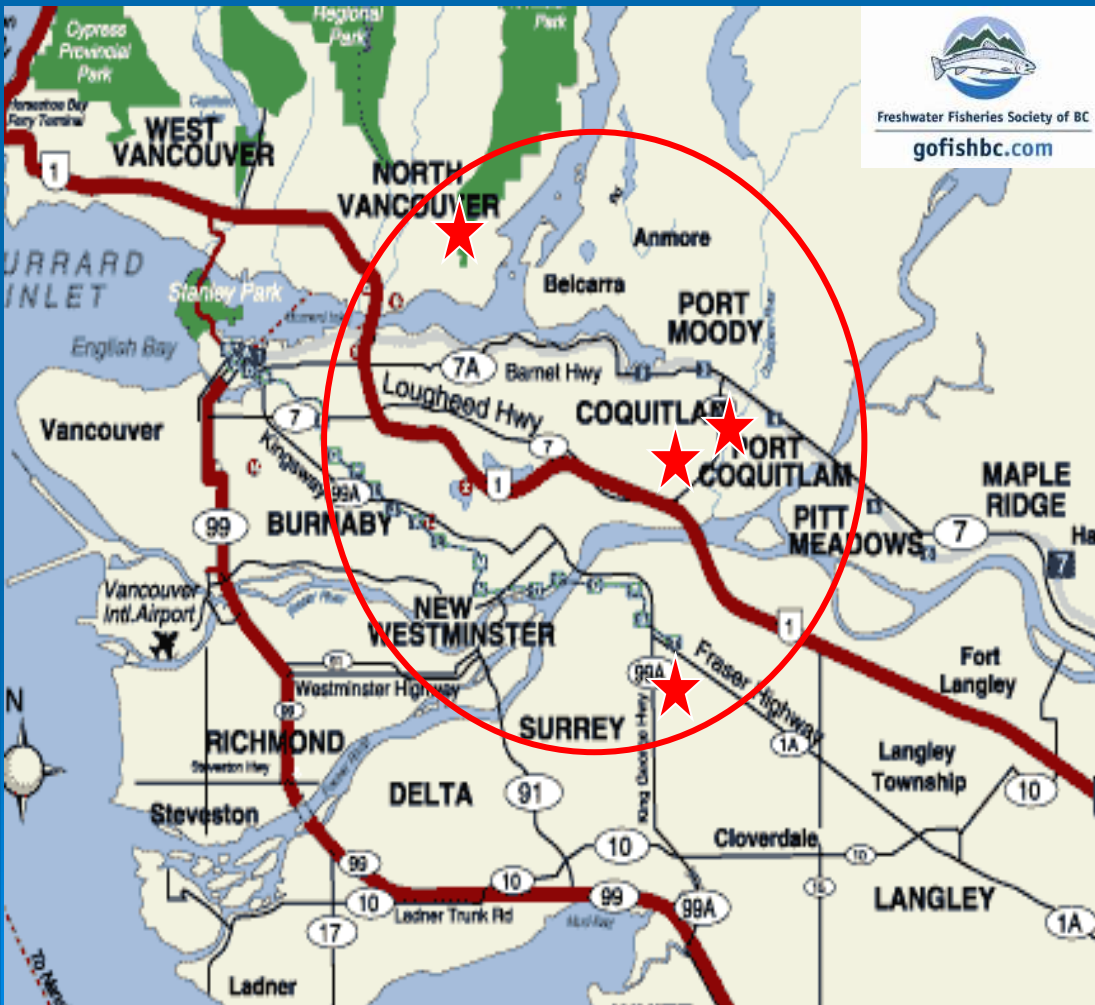


Region 1 Basic License Sales - All Classes



# Are There Solutions?

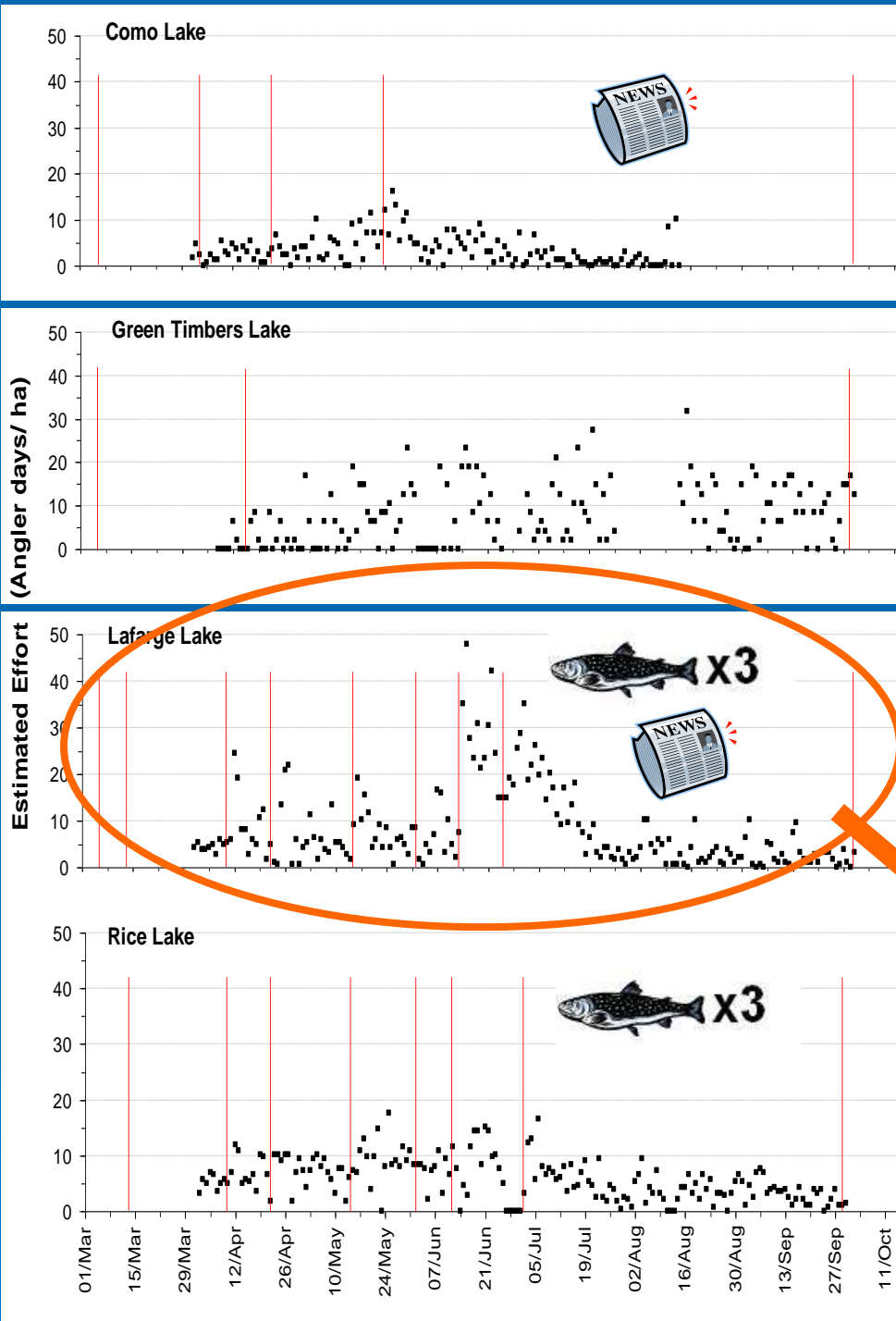
## Metro Vancouver Urban Lake Case Study:



- FFSBC pilot program in 2008/09
- Effectiveness of marketing and stocking on increasing angler participation

# Metro Vancouver Urban Lake Case Study:

- 4 lakes
  - 1 increased stocking
  - 1 increased media
  - 1 both
  - 1 no change
- Largest gain in effort from both increased stocking and media







# Application to Vancouver Island Urban Lakes

Promote and encourage angler participation by:

1. Increasing catch success
2. Marketing and promotion
3. Improving access and infrastructure

Target groups are lapsed and youth anglers

# 1. Increasing Catch Success



- Increased number of fish stocked in target lakes
- Increased number of stockings
- Utilizing a highly catchable rainbow trout strain



# 1. Increasing Catch Success



## Fraser Valley 3N Rainbow Trout

- Only domestic strain stocked in BC
- Stocked as catchable size (300 g, 8 inches)
- Extremely high growth rates
- Bold and aggressive, thus more easily caught

## 2. Marketing and Promotion

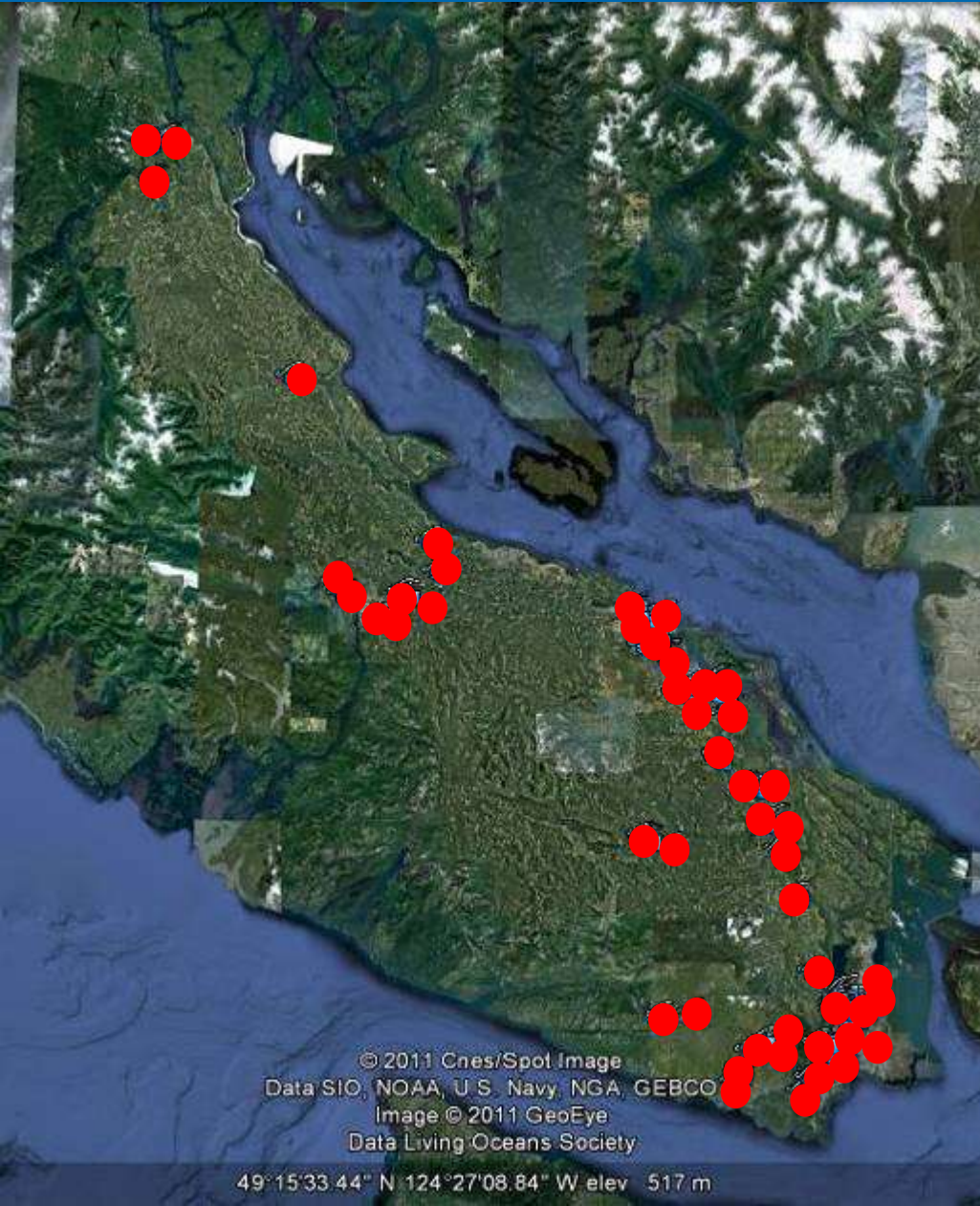
- Advertise stockings in local newspaper and TV
- Stocking posted on FFSBC website
- Learn 2 Fish and Fishing Buddies Programs



Goal: Increased  
angler use leading  
to improved  
management  
resources



### 3. Improving Access and Infrastructure



- Infrastructure inventory at 79 urban lakes in 2009/10
- Document the condition of existing fishing infrastructure
- Evaluated lake specific effort trends

### 3. Improving Access and Infrastructure



- Consulted local angling clubs on needs



- Identified new angling access and infrastructure projects



- Collaborate with local governments on project implementation



### 3. Improving Access and Infrastructure:



- 2 sites built in year 1 - 2010/11 (\$100,000)
- 5 projects planned for year 2 – 2012/13 (\$120,000)



- 3 year program wrapping up in 2013/14



# Assessing Project Effectiveness



**Monitoring changes in  
angler use and effort**

**- Time lapse camera  
program**





# Time Lapse Camera Image



2 Shore Anglers

2 Boat Anglers

4/24/09 11:00 AM



# Assessing Project Effectiveness

## Creel surveys with 'Sportfishing Ambassadors'



- Interview anglers on catch and effort
- Provide information to anglers
- Perform time lapse camera calibration counts



# If You Build It, Will They Come?



- Preliminary results are showing increased effort
- Mark-recapture results show low seasonal carryover of fish – high catch
- Continued data collection in 2012/13

# Many Thanks.....



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**Habitat Conservation Trust  
Foundation**

**Michelle Kehler – BC Conservation Foundation**

**Questions?**