

# Building a Tanker Truck to Meet Stocking Program Demands



**2011 NWFCC**  
**Dec 6<sup>th</sup>, 7<sup>th</sup>, & 8<sup>th</sup> 2011**  
**Steve Arnold, Hatchery Manager**  
**Fraser Valley Trout Hatchery**



Freshwater Fisheries Society of BC  
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# Fishing in the City Program

Goal: Easily accessible urban fisheries

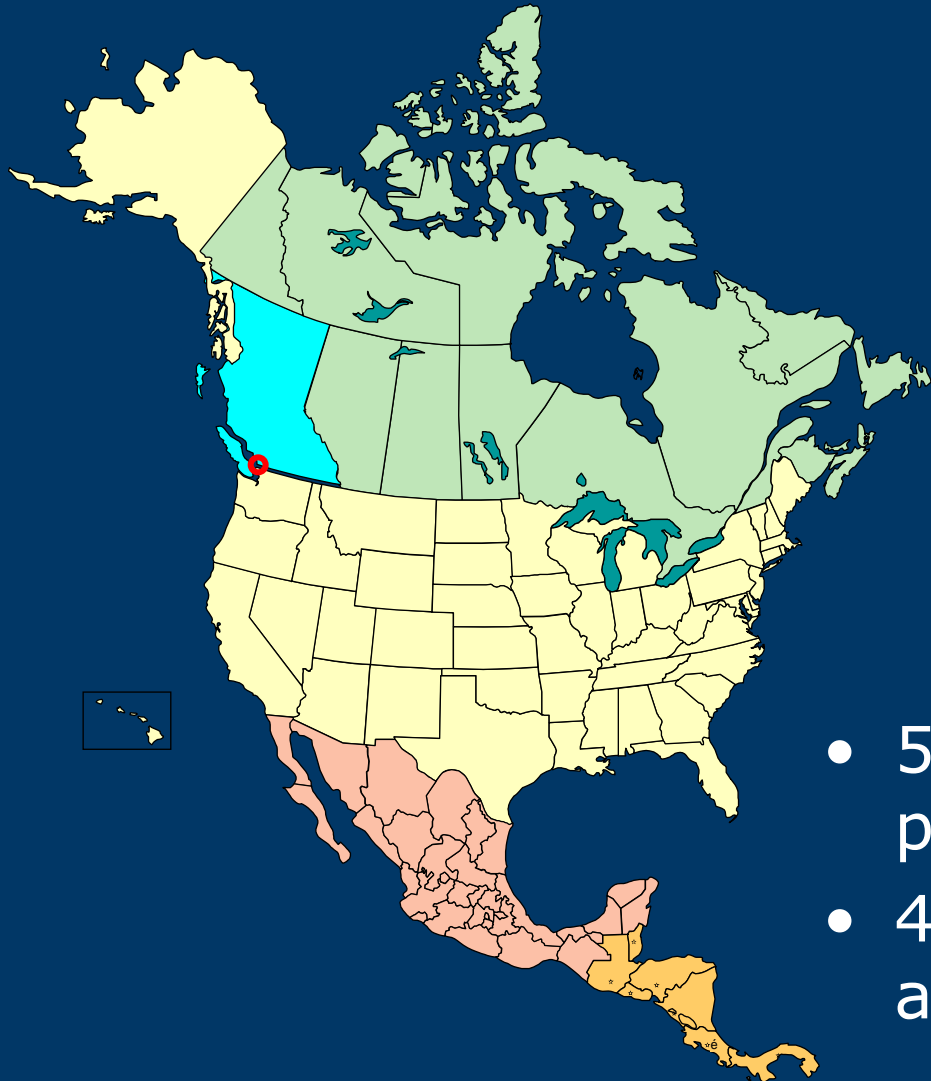
Target: Lapsed, occasional, new anglers

- Increase stocking #'s & frequency  
Improve angler access/infrastructure
- Promote: internet, signage, media
- Learn to Fish programming
- Measure: Ambassadors collect data, address concerns create positive image
- Time lapse image cameras



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# Geographic Focus – Metro Vancouver

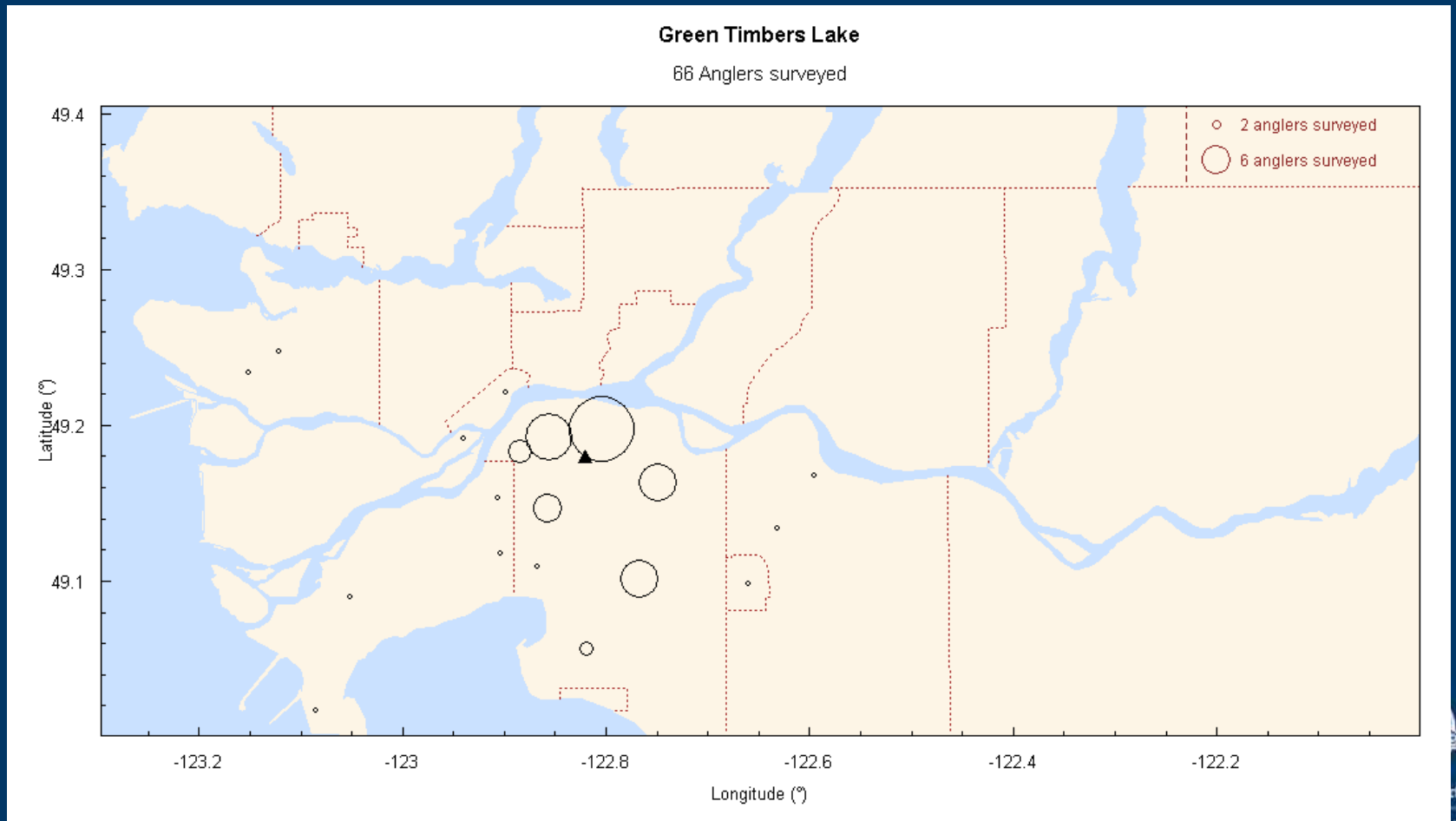


- 50% of BC's population
- 44% of BC's lapsed anglers



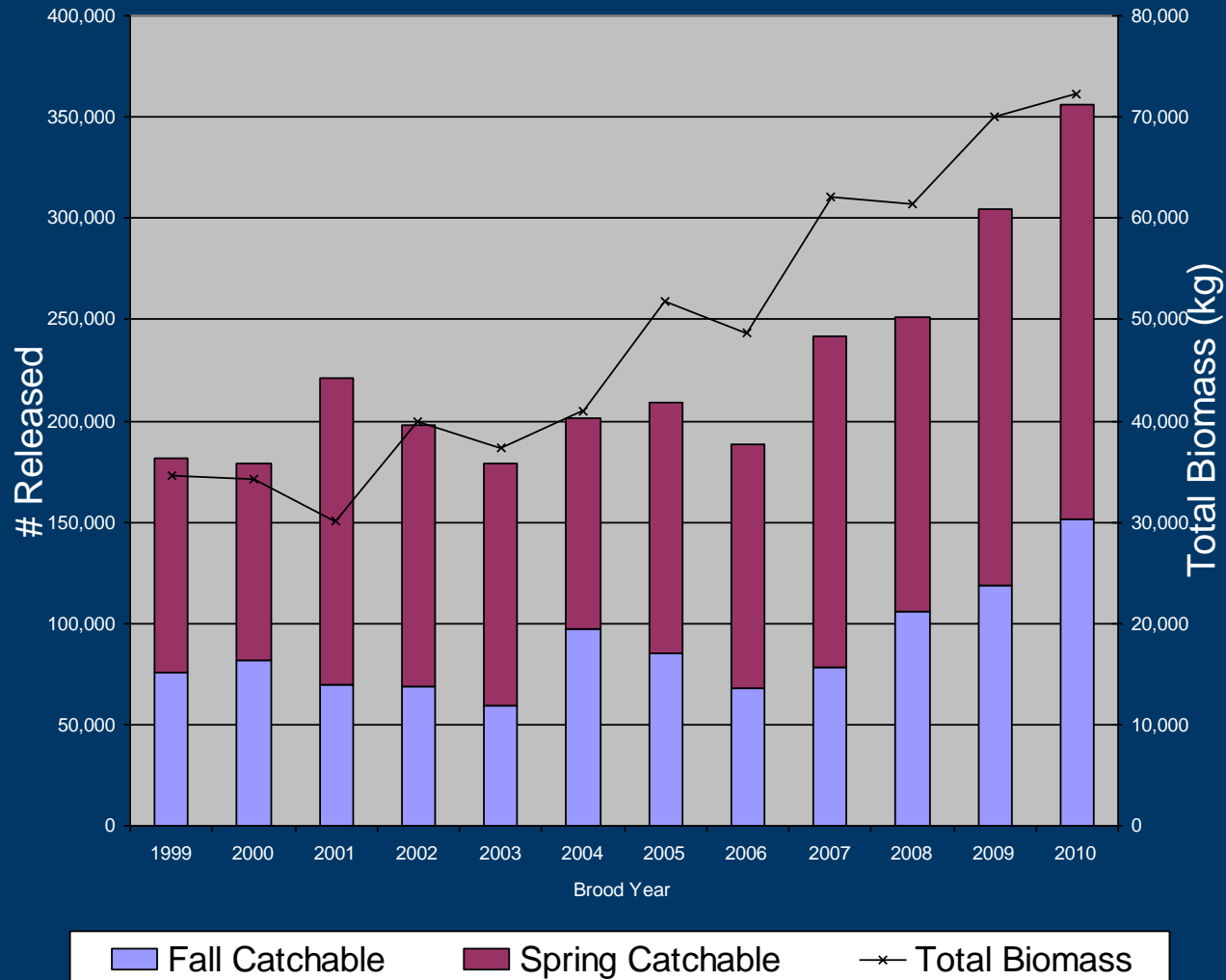
# Green Timbers lake Vancouver

- majority of anglers travelling <20 mins
- Black triangle: lake location
- Circles: Angler distribution



# Urban Lakes Stocking

## Catchable Rainbow Trout Releases



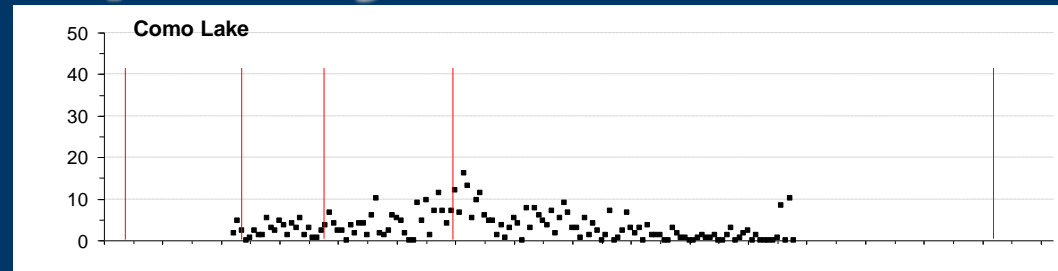


# Fishing Effort Related to Stocking Frequency

## Como Lake

2008 → 1300 Angler visits

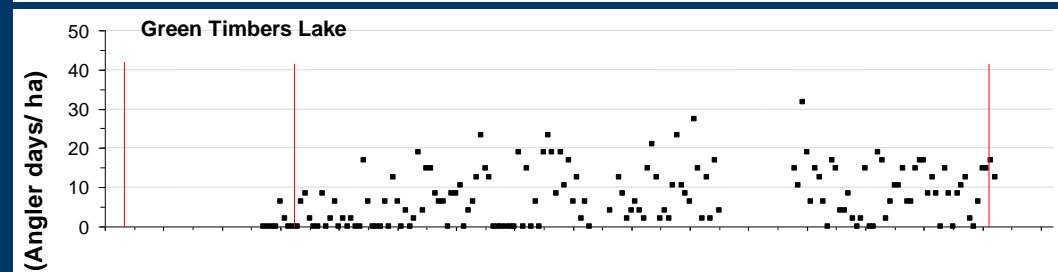
2009 → 5100 Angler visits



## Green Timbers Lake

2008 → 2200 Angler visits

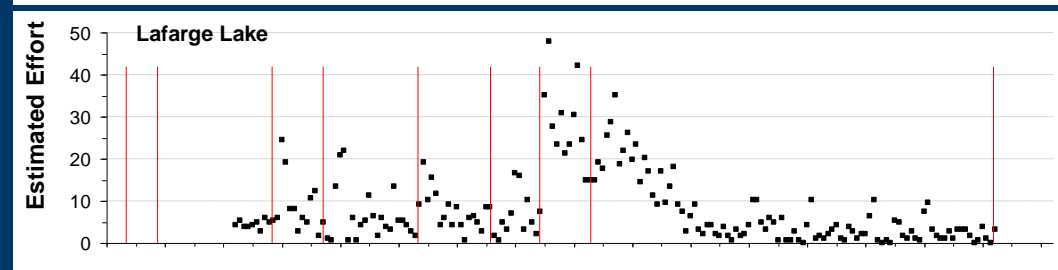
2009 → 5500 Angler visits



## Lafarge Lake

2008 → 4100 Angler visits

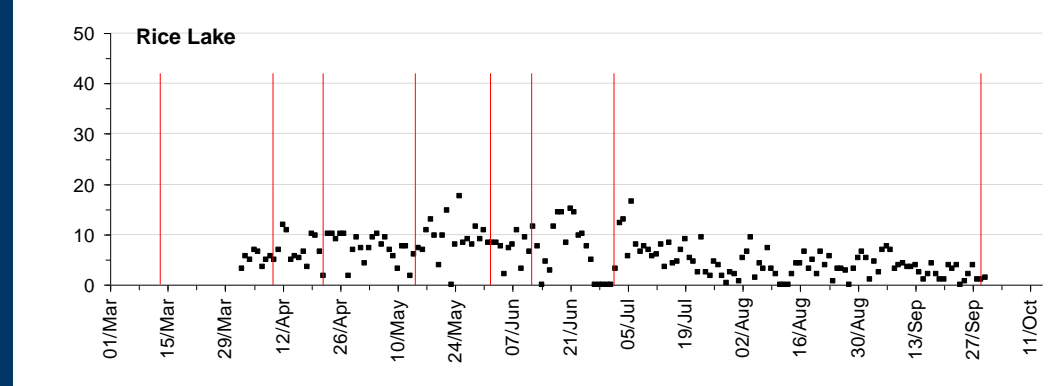
2009 → 6400 Angler visits



## Rice Lake

2008 → 4000 Angler visits

2009 → 5700 Angler visits



# International Ten Ton

Completed Unit



Beginning



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# Interior and Automatic Transmission



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# Exterior Discharge 3,046 L Capacity Single Walled

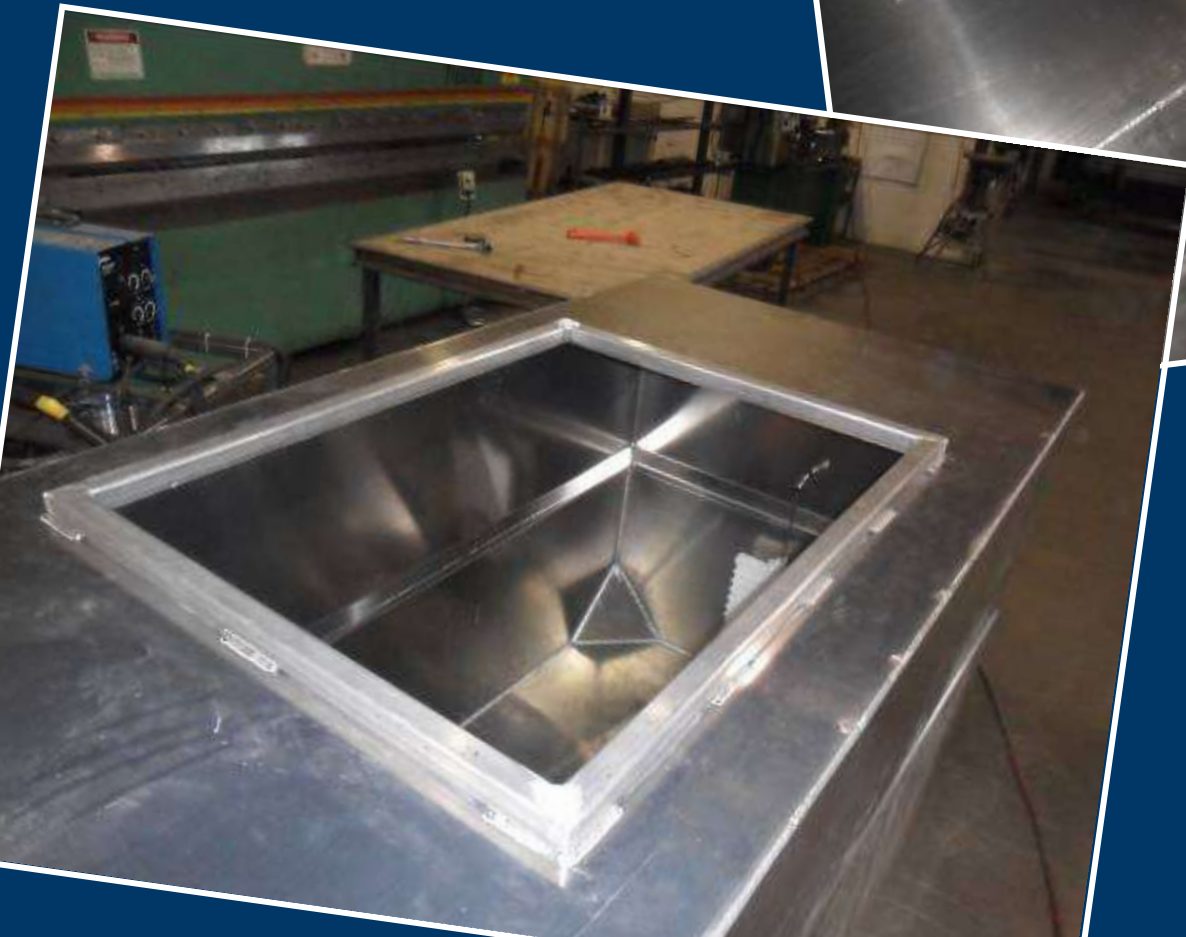


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Gusset in corners to  
facilitate  
fish release



Tank Opening



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6 inch Discharge  
with Flush Screen

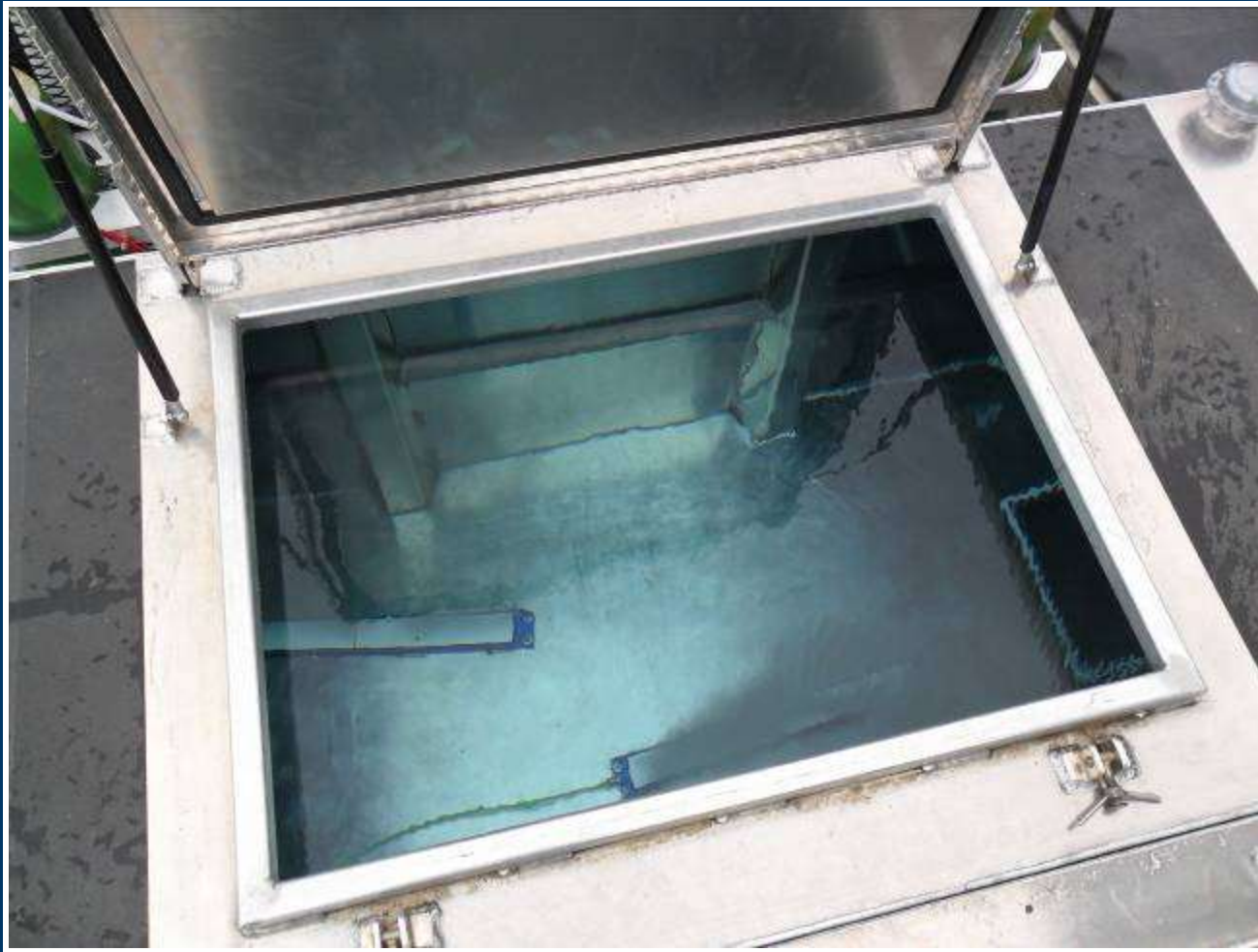


# Deck Build



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Lid Opening with Two 24 inch Diffusers



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Top View of Four Tank Units





# Oxygen Supply



## Distribution Manifold



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## 3 inch Flush Valve







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# Comparison

## Conventional 5 ton

- Max Capacity 540 kg
- ~2,000 FV CA
- 4,540L



## New 10 ton tanker

- Max Capacity 1,320 kg
- ~4,000+ FV CA
- 12,184L





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