Achieving Effective Daily Recovery Capacity (EDRC) Standards

Utilizing Innovative Skimmer Recovery Systems

PPR ALASKA

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WHO WE ARE AND WHAT WE DO

PROBLEMS THAT NEED TO BE OVERCOME TO CREATE EFFECTIVE SPILL RESPONSE

Boom is ineffective in current over .8 knots

Boom is ineffective in waves over 1 foot

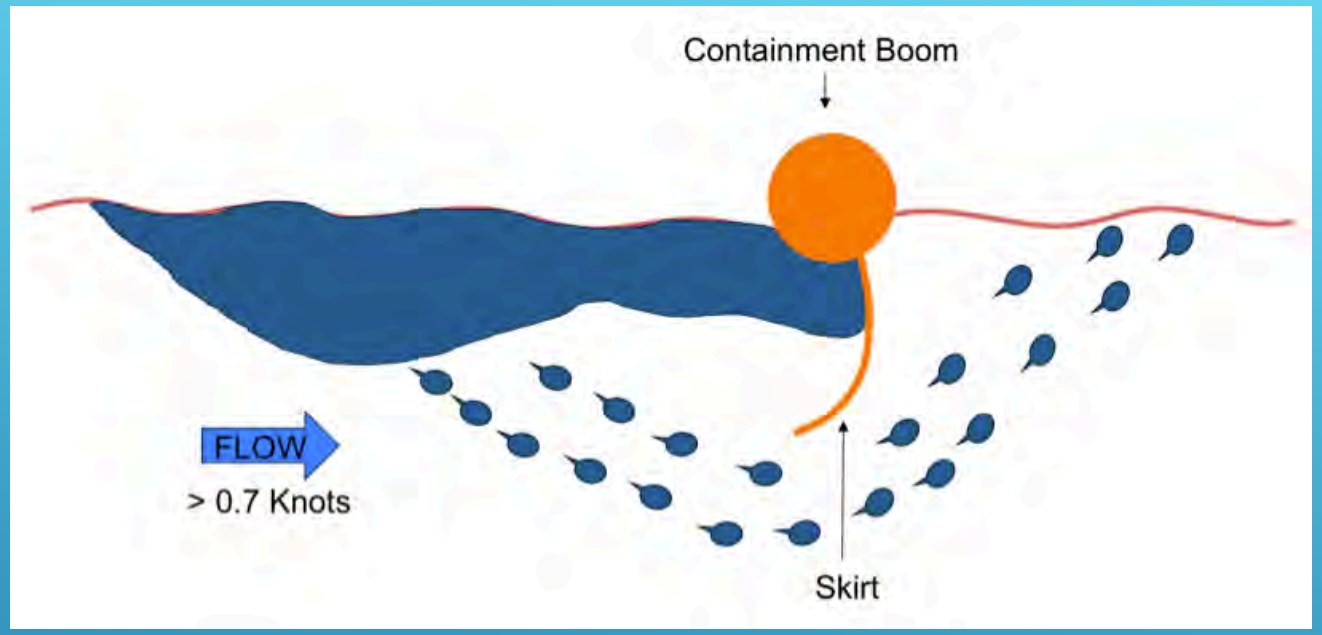
Boom is heavy

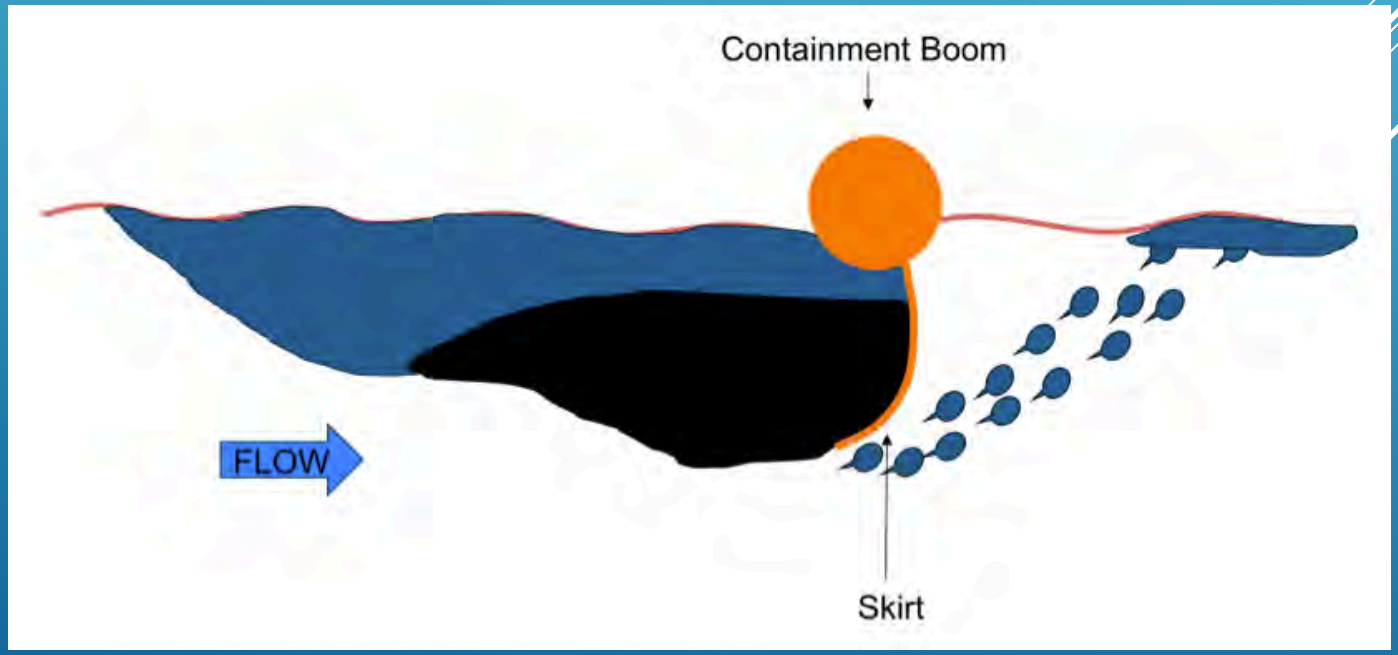
Boom will not work in broken ice

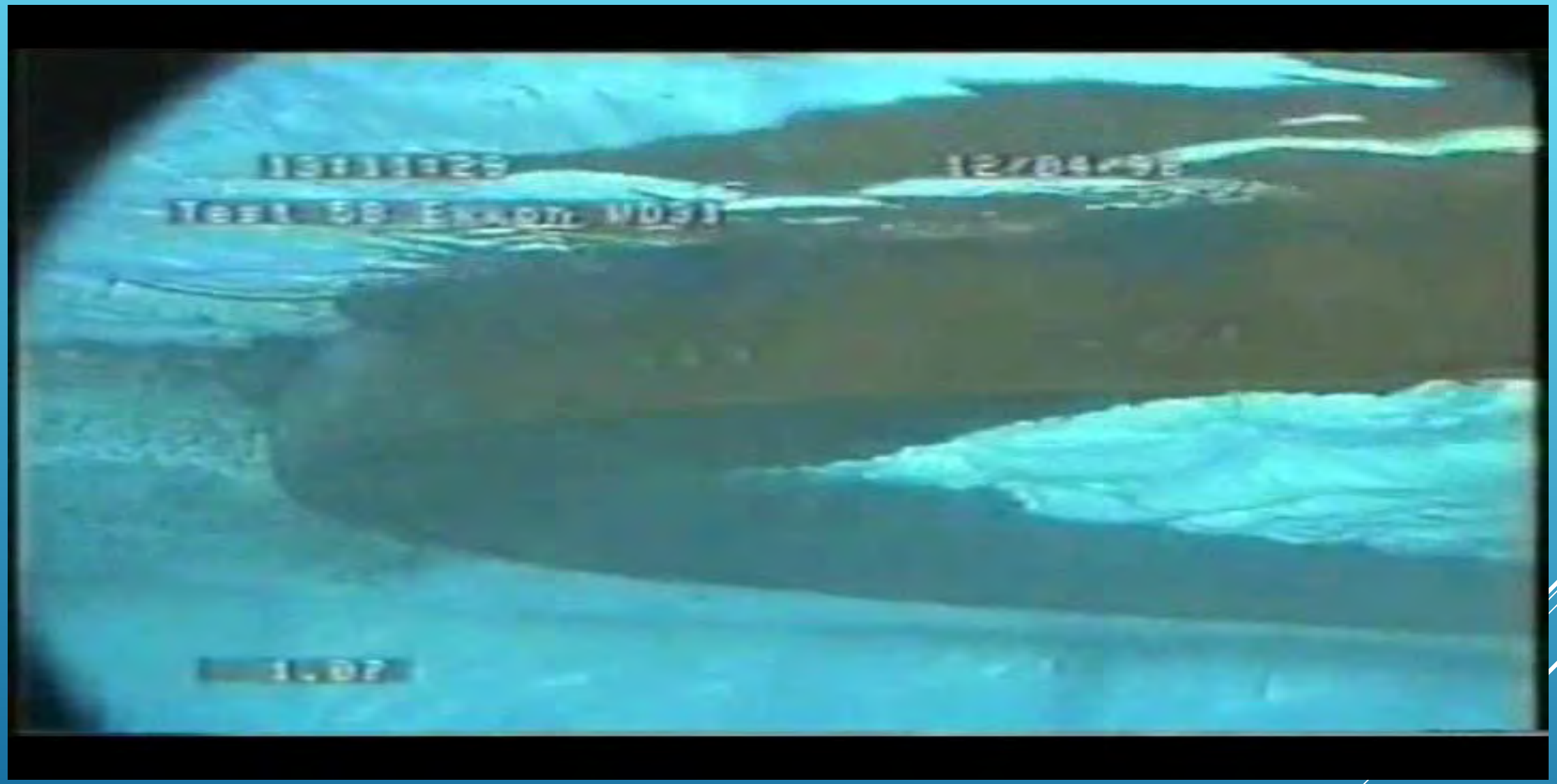
Mechanical skimmers can not be used advancing

Mechanical skimmers are ineffective in any sea conditions

Mechanical skimmers are heavy and require cranes and fork lifts to deploy.

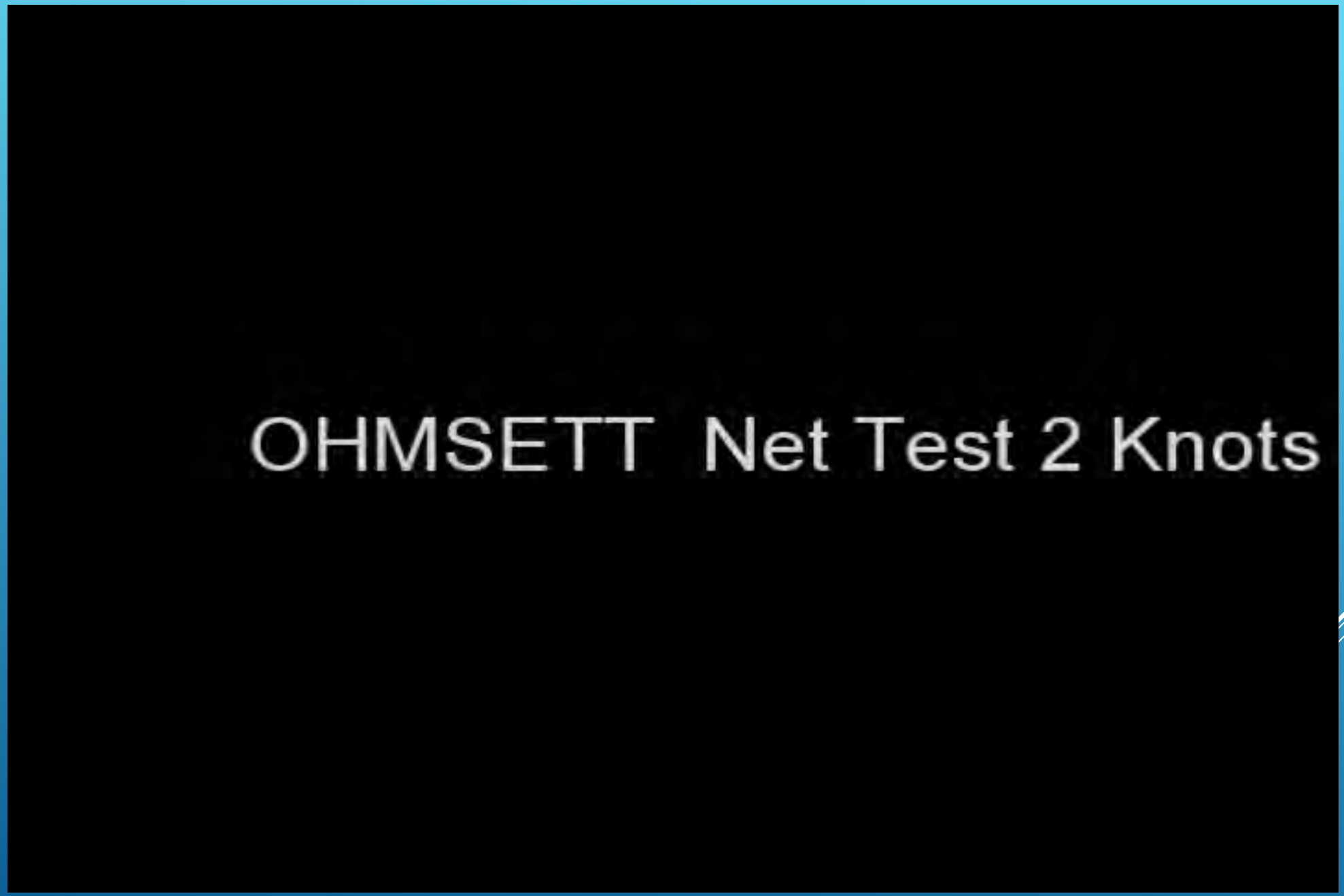

Containment Boom
FLOW
> 0.7 Knots
Skirt


Containment Boom
FLOW
Skirt



BOOM FAILURE AT .8 KNOTS

1. CREATE A BOOM THAT WILL WORK IN CURRENT, SWELLS AND ICE


OHMSETT Net Test 2 Knots

2. PROBLEM #2 MECHANICAL SKIMMERS DO NOT WORK IN ADVANCING MODE

Once you have increased encounter rate you need to get the oil out of the water and do it all while you are still advancing and leave the water behind.

DIFFERENT JOBS THE OTTER HAS BEEN ON


S-1
S-3
TEST TANK FILLED WITH OIL
3" MINIMUM DEPTH

OTTER PUP ARCTIC PACK

OTTER PUP ARCTIC PACK

45 Gallon Per Minute Skimmer System with <99% ORE

Requiring less temporary storage

4500 Gallon bladders for Temporary storage

25 foot long by 25 foot wide encounter net

System has a 2000 watt generator in trailer

Total system weight 700 lbs

System can be deployed in minutes from this configuration

System is modular and can be removed from trailer and mounted on a small skiff in less than 1 hour

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THANK YOU FOR YOUR TIME