







### **Past Control Methods**

### Diver hand removal and bottom barrier application

- Divers work to remove Milfoil plants by hand, placing plant material into mesh
- Method is effective in managing plant populations on a small scale.





 'Bottom Barriers' were a preferred method of control for many years.
 'long term observations suggest that Milfoil tends to re-colonize and roots stick to fabric like 'Velcro'.

# Past Control Methods Jetting and Dredging



Jetting operations were intended to lift

Milfoil roots up out of the sediment

Suction pumps are used to transport plant material and mud into settling ponds on shore.

Divers guide the suction head along the lake bottom



### **Current Control Methods**

Rototilling (or De-Rooting)

 Rototilling or de-rooting takes place during the coldest months





# Current Control Methods Harvesting



•Used during the summer to 'mow' dense Milfoil beds •Machine cuts to a depth of approximately 3 metres •Plant material is collected and transported to shore



## Meanwhile, on the other side of the Mountains...

In Christina lake, Diver hand-removal has been the primary method of control for over 25 years Recently some investigation has taken place regarding the biological control agent known as the Milfoil Weevil





Due to the relatively small scale of Christina Lake, divers are able to patrol the entire shoreline each summer and remove the majority of Milfoil plants.

# Using new technologies to assist in ongoing Milfoil Control operations Aquatic Plant surveys G.I.S Mapping

Helps determine efficacy and inform best practices

# Managing potential impacts associated with control operations

- Work timing windows exist to protect species during vulnerable portions of their life cycle
- Established zones represent known habitat areas and are excluded from control activities



### An evolving process

• Responding to changes in the regulatory environment

To monitor

To year

work sites year



- The public good: a dynamic and changing quantity.
- Respecting all stakeholders and seeking balance



