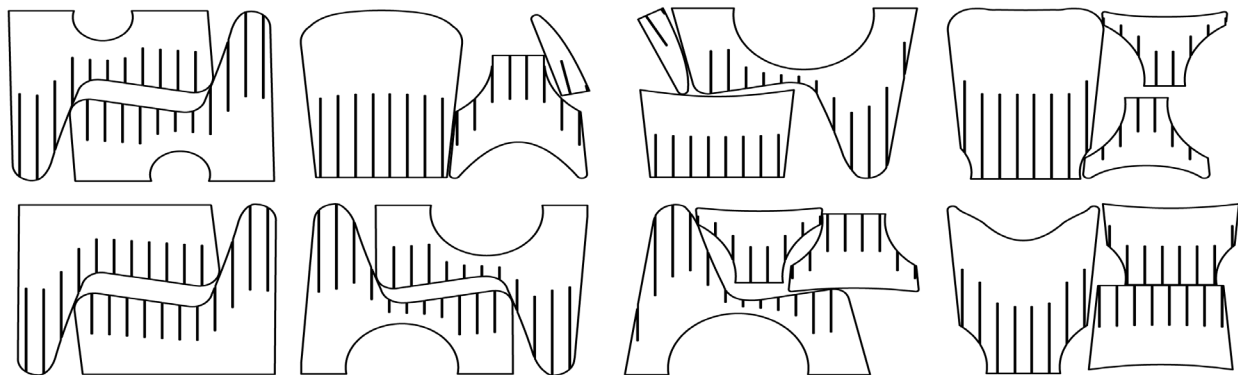


# LIMNION LOUNGE

Alyssa Merriweather + Amanda Miranda

The Limnion Lounge is a cooling seat that utilizes deep lake water to chill its surface on hot summer days. The Limnion Lounge provides a cool and comfortable sitting area for overheated people in the park. The name Limnion comes from the thermal stratification of lake water. The chair would be cooled by water being brought up from the hypolimnion (deepest) layer of the lake by the use of a water pump. Retrieving water from the hypolimnion layer would be great for the summer because it typically stays at 39°F throughout the year. This water would flow up tubes that go throughout the lower portion of the chair to refresh people that choose to sit down.

## CONSTRUCTION DIAGRAM



## FUNCTIONAL DIAGRAM

