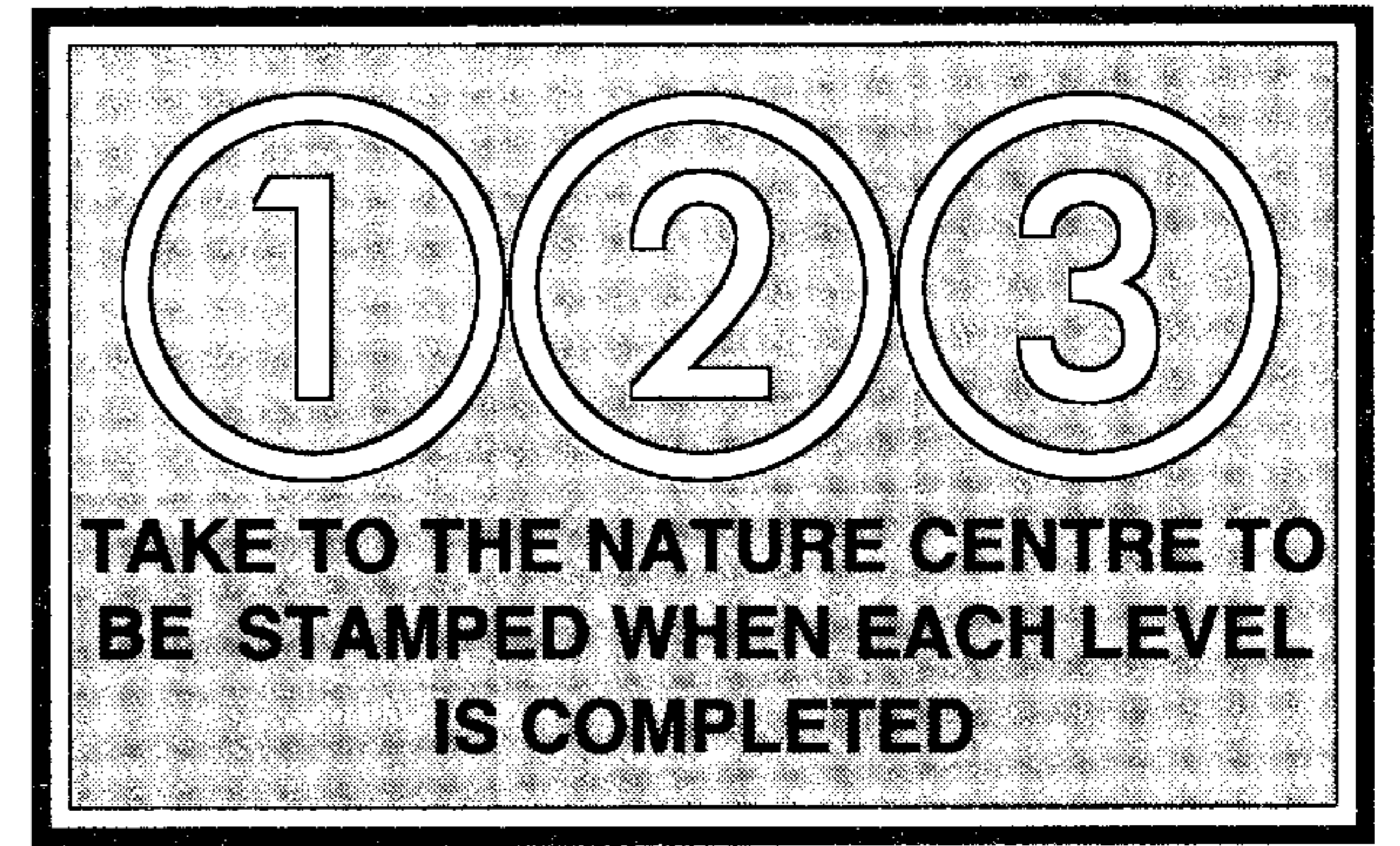


Look at that

# LAKE!

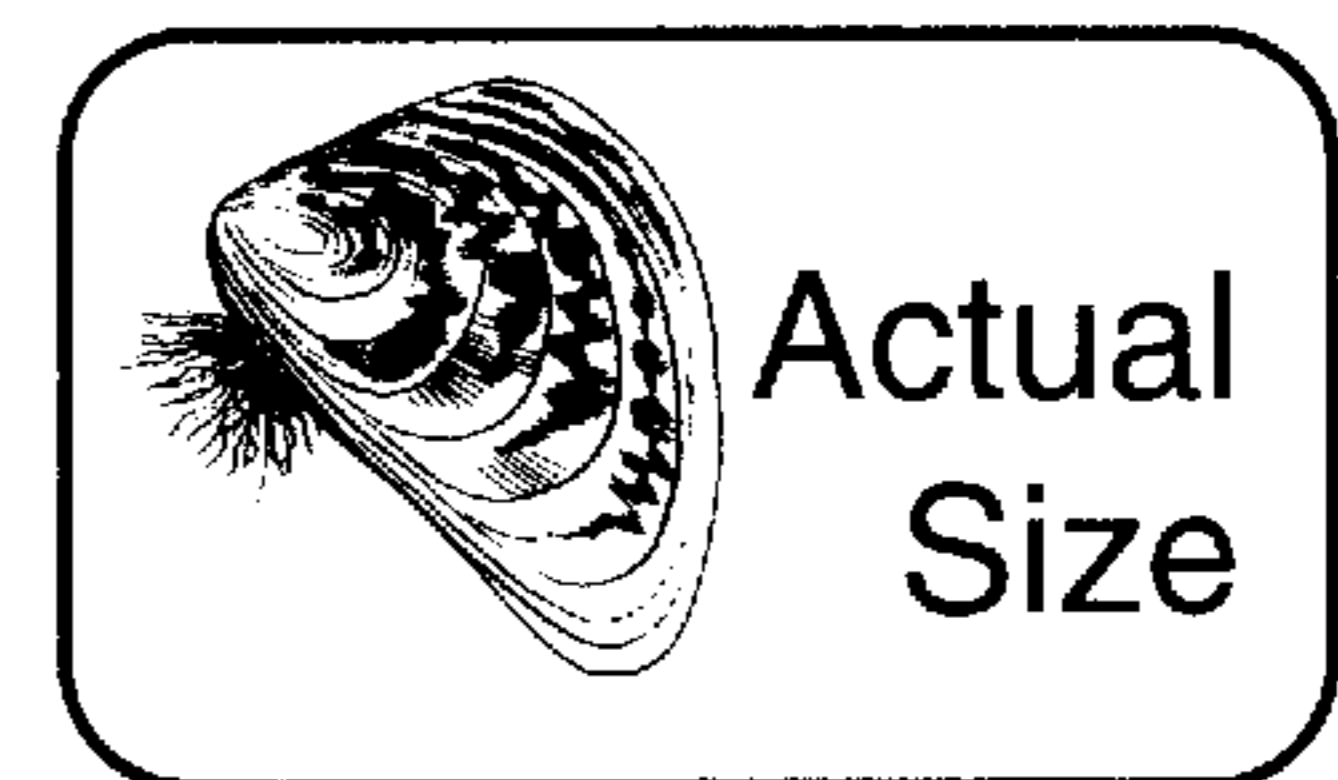
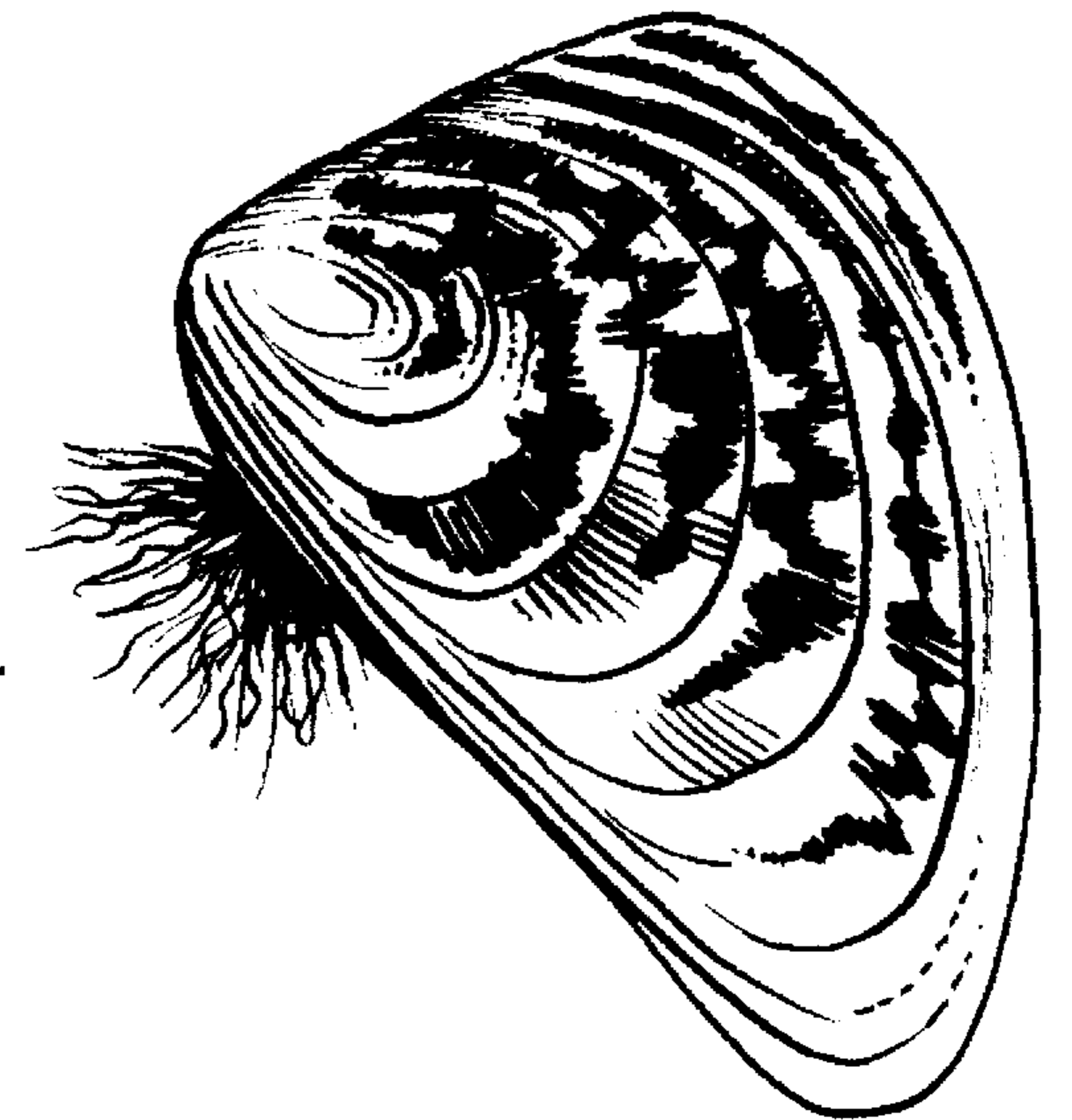


**Have you seen me floating on the lake or splashing down to catch a fish? You'd be amazed at the things I've seen in Lake Ontario. Did you know that there are aliens down there?**

“**Alien**” is the name we give to a plant or animal that comes from a different area and isn't naturally found or “**native**” here. A person from Mars would not naturally be found around Presqu'ile. If one ever arrived he or she would be “**introduced**” to the area. The aliens in Lake Ontario come from other parts of Earth, not outer space! Another name for aliens is “**introduced species**”. Some plant and animal aliens that have been introduced have decided to stay and are changing the ecosystem by becoming a new part of the food web. Let's introduce ourselves to some introduced species!

## Zebra Mussels

Zebra Mussels are native to Asia. They were probably accidentally brought to the Great Lakes in ballast water on a boat. Zebra Mussels are well suited to the conditions here and quickly spread. These little striped aliens attach themselves to almost any underwater surface including rocks, boats, plants and water pipes. They can block up water pipes and cause problems for people. They also affect other animals. Our native mussels and clams can't find as much to eat because the Zebra Mussels are so successful. Diving ducks like Scaup, however, have a new food source.



## Level **1** Design an Alien!

Make up your own alien species (real or imagined) that could invade Lake Ontario. **Draw it and make up a story about where it came from and what it does.**

**My Alien**

### My Alien Story

---

---

---

---

---

---

---

---

---

---

## Level 2 Winds, Waves and Weather ... A Watery Experiment

The other gulls and I know Lake Ontario well! We're used to its wild winds and waves and we've seen its gentle moods, when it looks like a mirror. Which way do you prefer it? The mood you see depends not only on the weather but also on where you are standing. At Presqu'ile, you can see three different waters of Lake Ontario: the open lake at the rocky beach, the marsh at Calf Pasture and Presqu'ile Bay and the sandy beach at Popham Bay.

You can do the following experiments anywhere along each shoreline. The suggested locations are close enough together for walking or cycling. Look for the "L1, L2 and L3" on the map to see the station locations. There are 3 stations to visit and at each one there are 4 things to check.

**Visit each of the locations as marked on the back cover map (L1, L2, L3). Complete the activity and record your observations.**

- L1 ROCK** The open lake at the rocky shore near the Amphitheatre
- L2 MARSH** Presqu'ile Bay at the viewing platform near the Campground Office
- L3 BEACH** Popham Bay at the sandy swimming beaches

Test the <b>water temperature</b> by dabbling your toes. Is it...	<b>ROCK</b>	warm	cool	cold	freezing
	<b>MARSH</b>	warm	cool	cold	freezing
	<b>BEACH</b>	warm	cool	cold	freezing
Record how strong the <b>waves</b> are by deciding if there are...	<b>ROCK</b>	no waves	small waves	medium waves	huge waves
	<b>MARSH</b>	no waves	small waves	medium waves	huge waves
	<b>BEACH</b>	no waves	small waves	medium waves	huge waves
How <b>clear</b> is the water?	<b>ROCK</b>	cloudy	medium clear	crystal clear	
	<b>MARSH</b>	cloudy	medium clear	crystal clear	
	<b>BEACH</b>	cloudy	medium clear	crystal clear	
Are there any <b>plants</b> growing at the water's edge?	<b>ROCK</b>	lots of plants	some plants	no plants	
	<b>MARSH</b>	lots of plants	some plants	no plants	
	<b>BEACH</b>	lots of plants	some plants	no plants	

## Level 3 Experimental Results

Now you've completed your experiments. **Try to explain why the conditions are different at each of the locations.**

---



---



---



---



---