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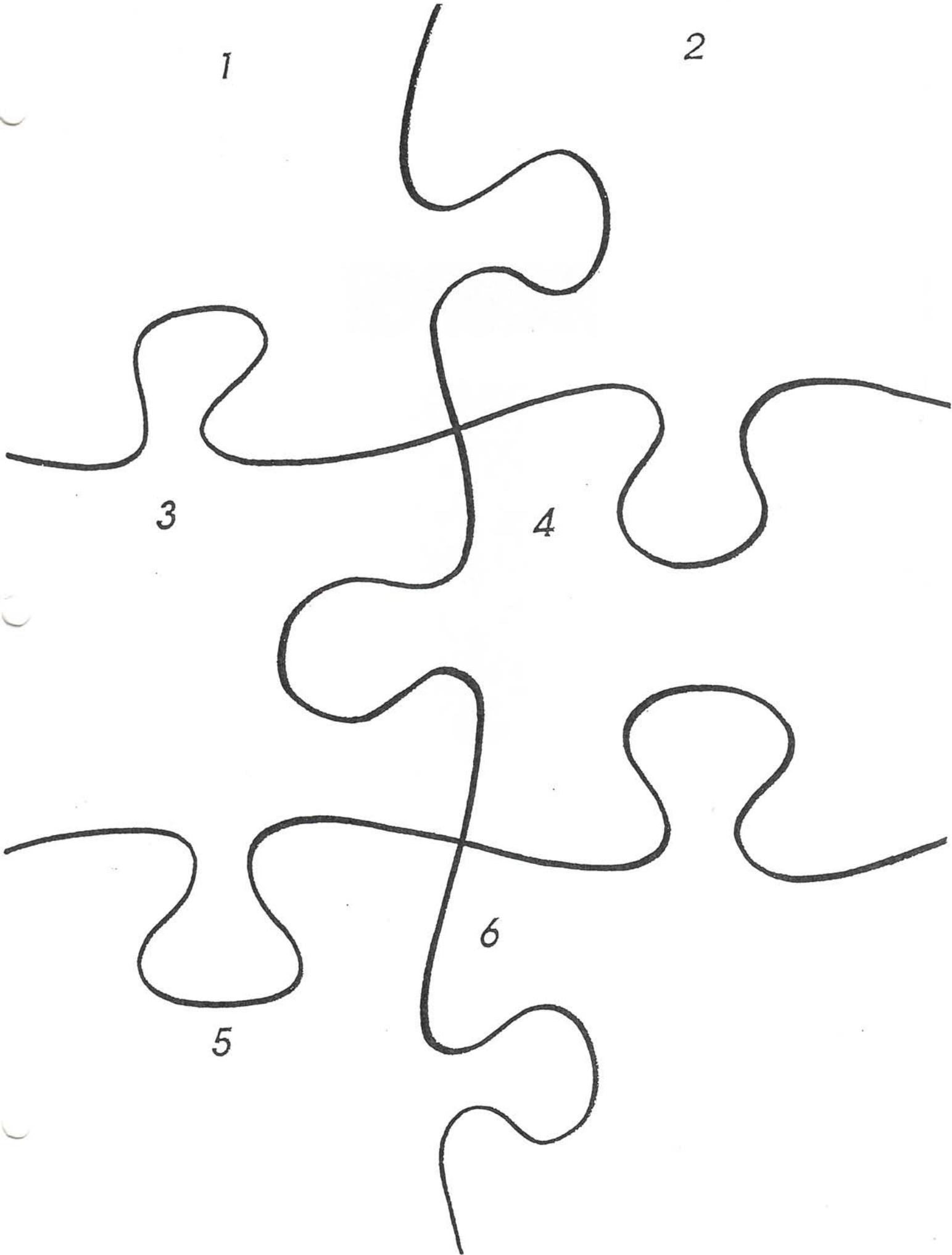
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1

COMMON NAME
SCIENTIFIC NAME

2

EXOTIC SPECIES
PICTURE

3

ORIGIN

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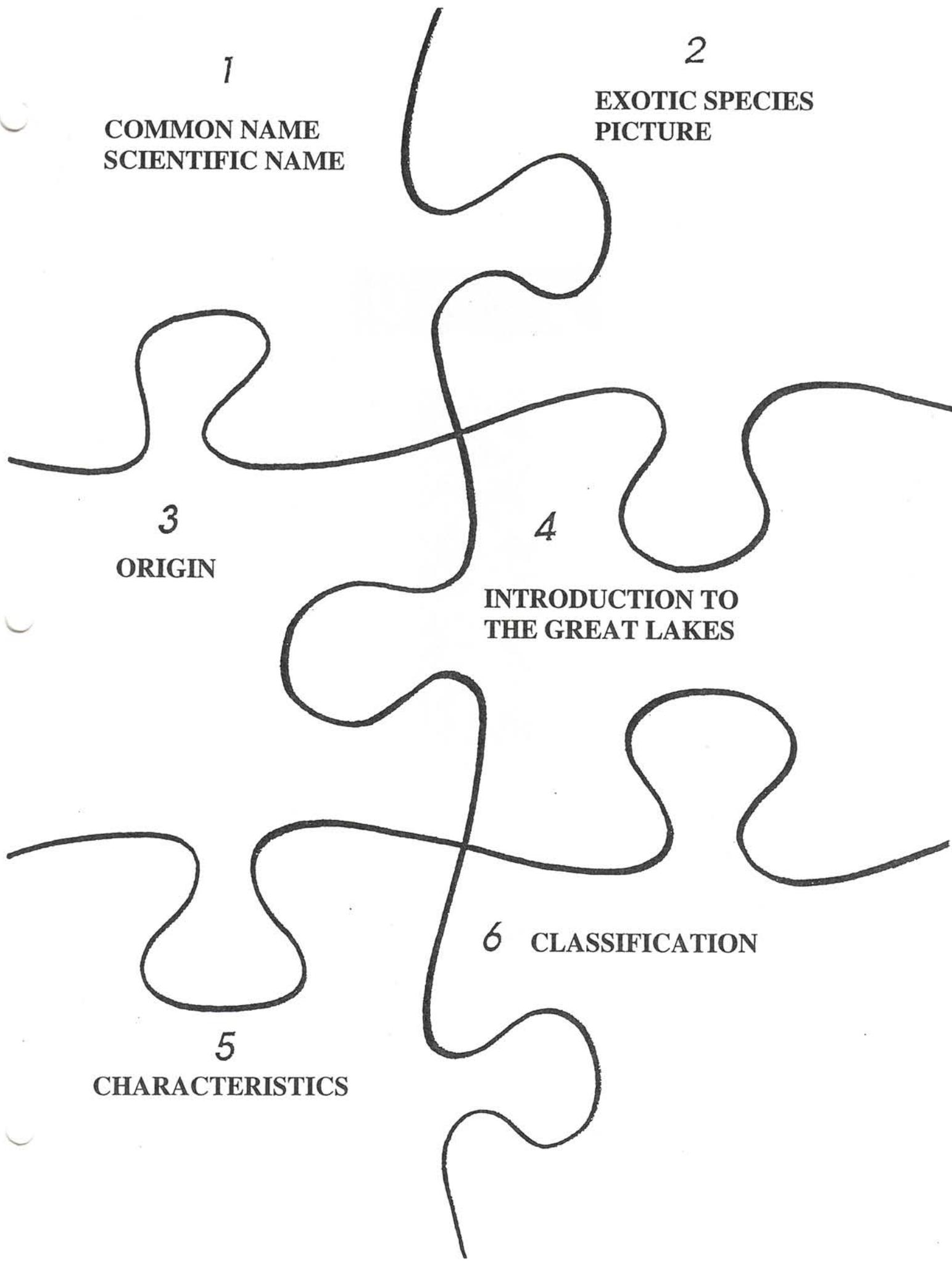
INTRODUCTION TO
THE GREAT LAKES

6

CLASSIFICATION

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CHARACTERISTICS



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Exotic Species #1
Zebra Mussel (*Dreissena polymorpha*)

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Came from the Caspian Sea

4

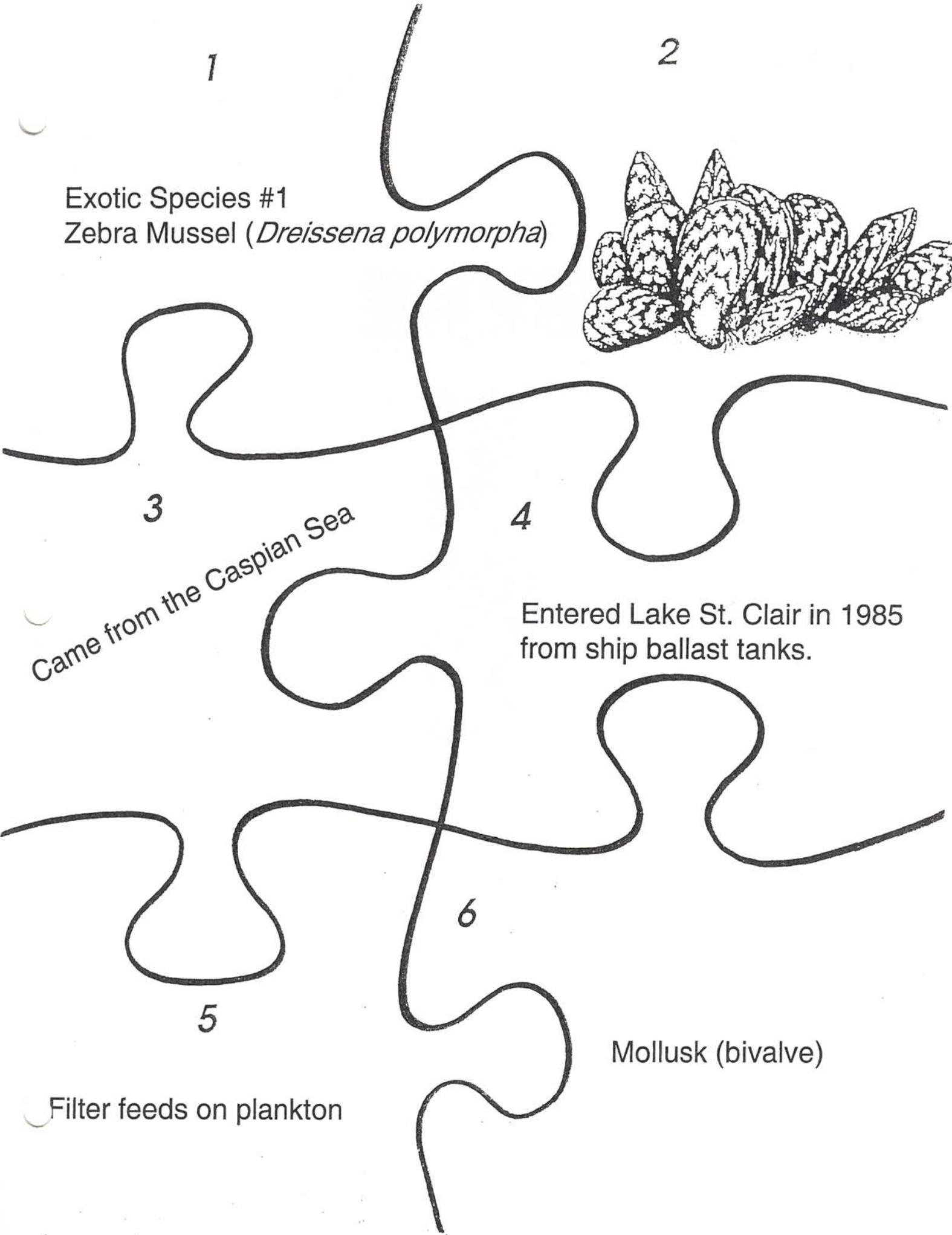
Entered Lake St. Clair in 1985
from ship ballast tanks.

5

Filter feeds on plankton

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Mollusk (bivalve)



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Exotic Species #2
Sea Lamprey (*Petromyzon marinus*)

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Came from Atlantic Ocean

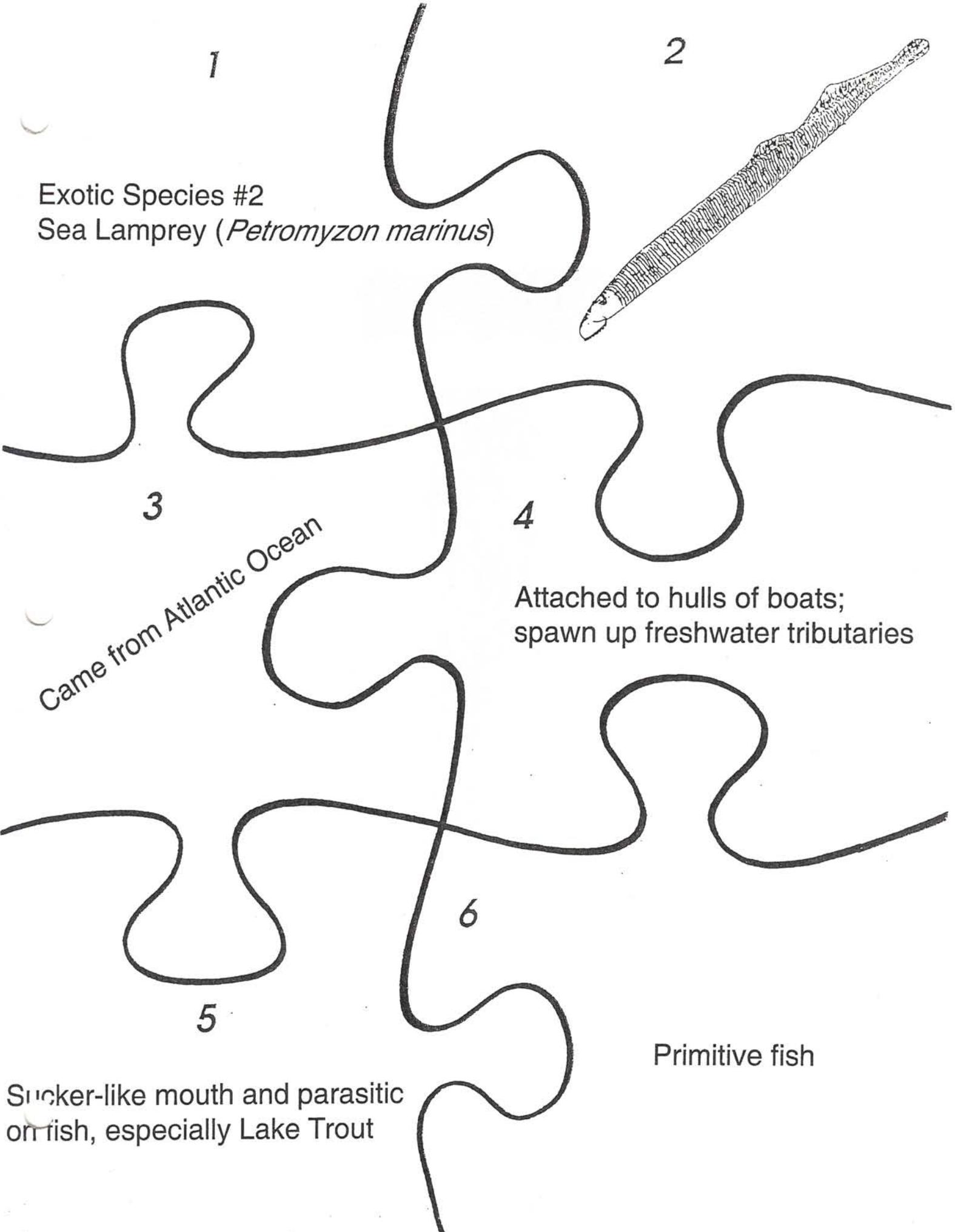
Attached to hulls of boats;
spawn up freshwater tributaries

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Sucker-like mouth and parasitic
on fish, especially Lake Trout

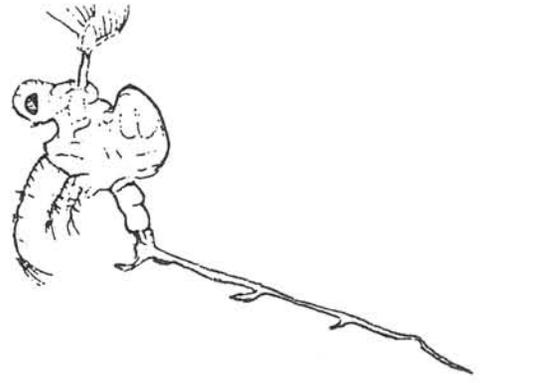
Primitive fish



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Exotic Species #3
Spiny Water Flea (*Bythotrephes cederstroemi*)



3

Native of northern Europe

4

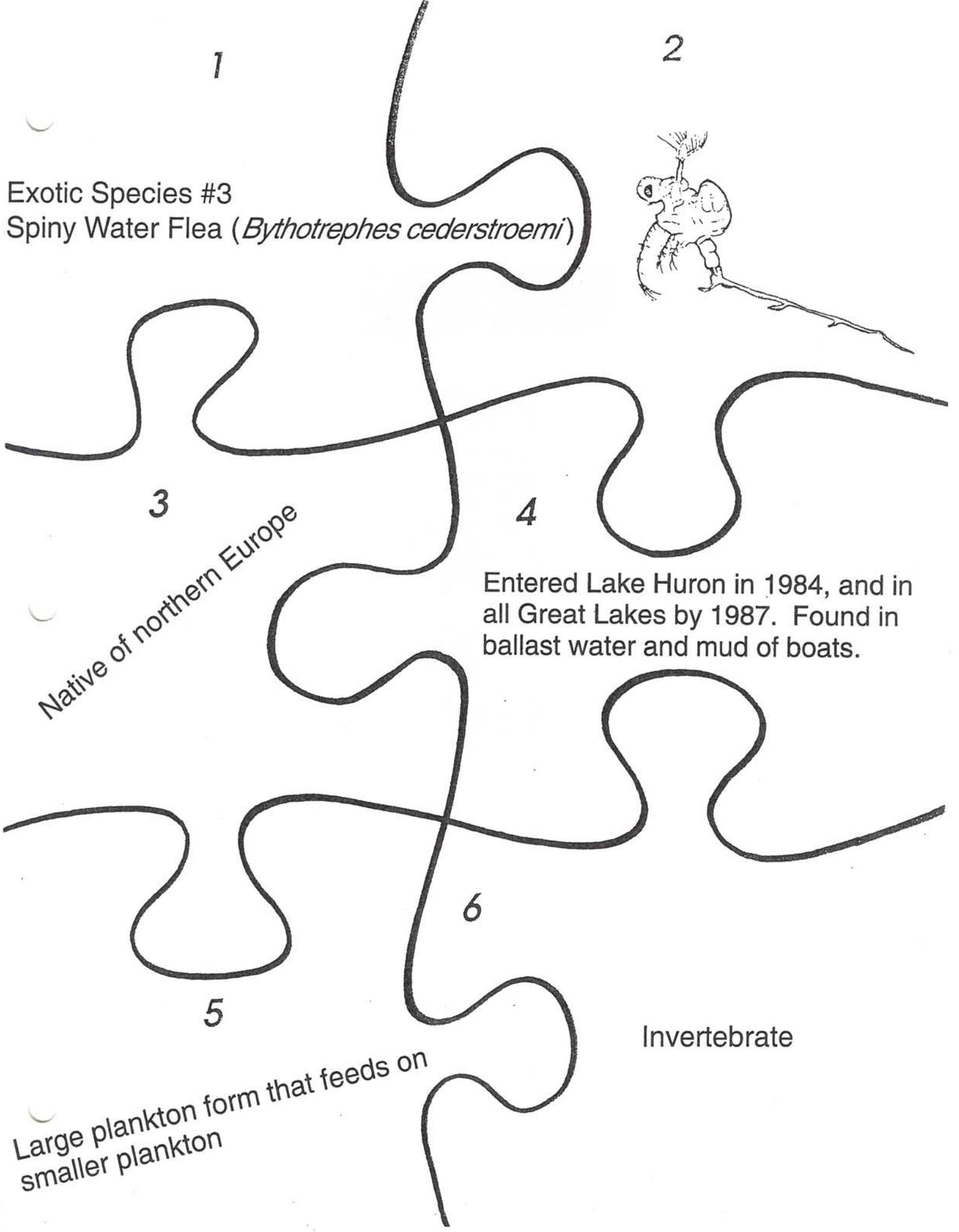
Entered Lake Huron in 1984, and in all Great Lakes by 1987. Found in ballast water and mud of boats.

5

Large plankton form that feeds on smaller plankton

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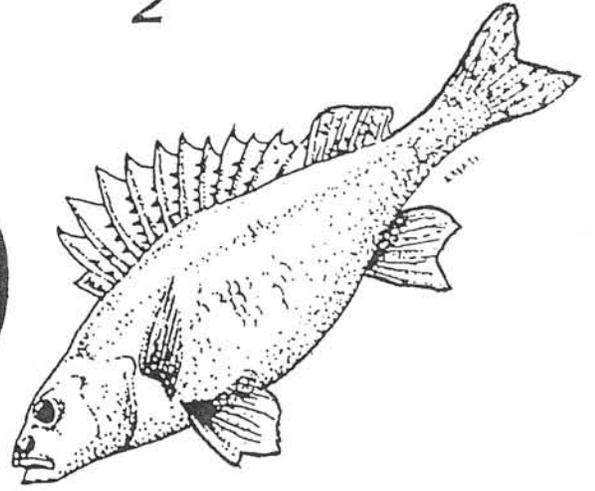
Invertebrate



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Exotic Species #4
River Ruffe (*Gymnocephalus cernuus*)



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4

Freshwater and brackish water
of Northern Europe

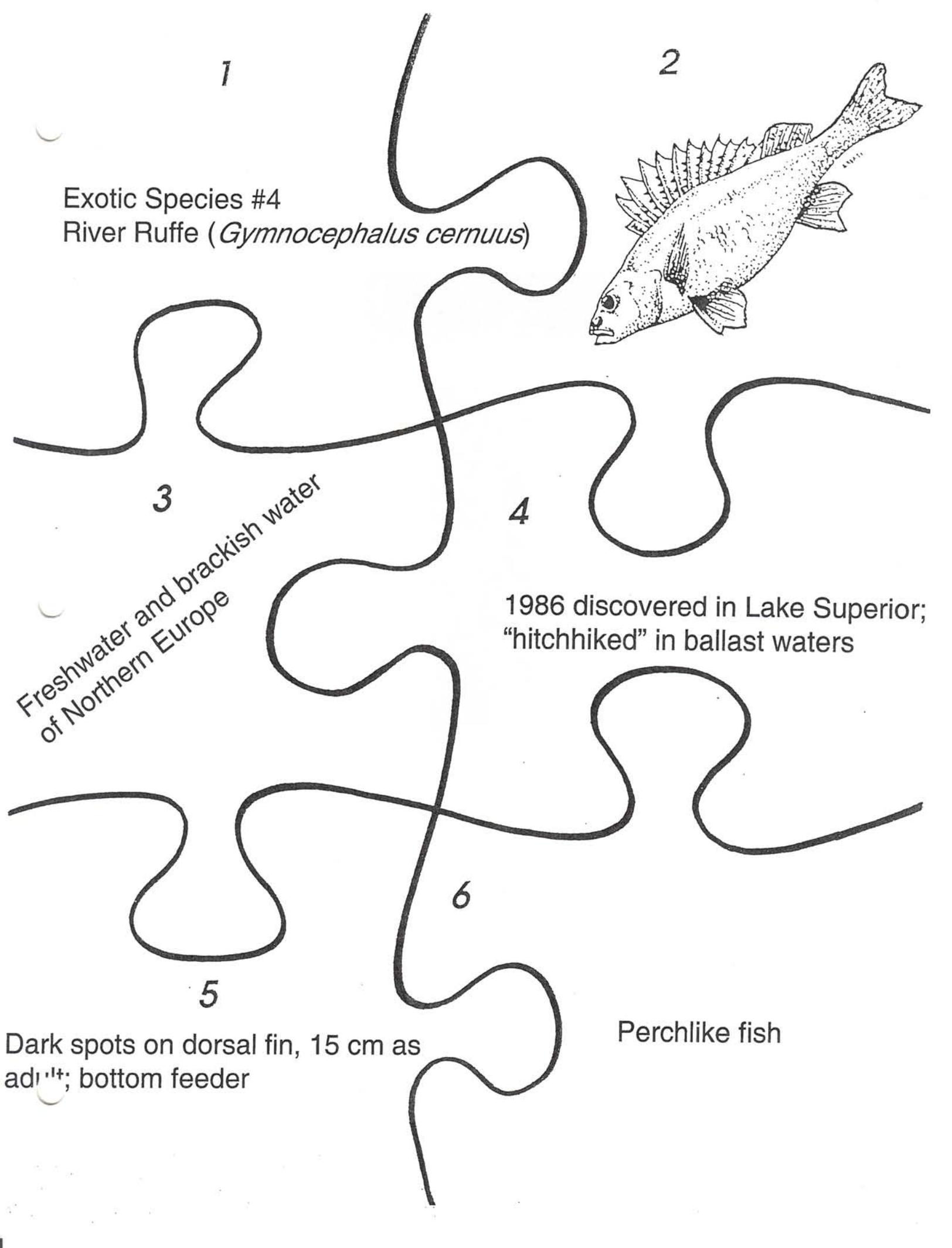
1986 discovered in Lake Superior;
"hitchhiked" in ballast waters

6

5

Dark spots on dorsal fin, 15 cm as
adult; bottom feeder

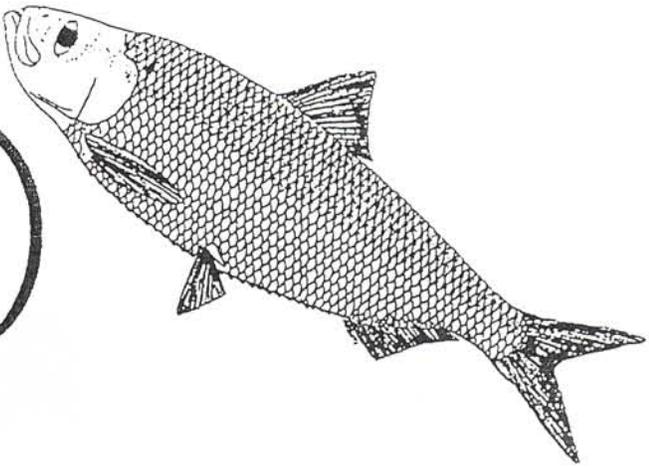
Perchlike fish



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Exotic Species #5
Alewife (*Alosa pseudoharengus*)



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Atlantic Ocean

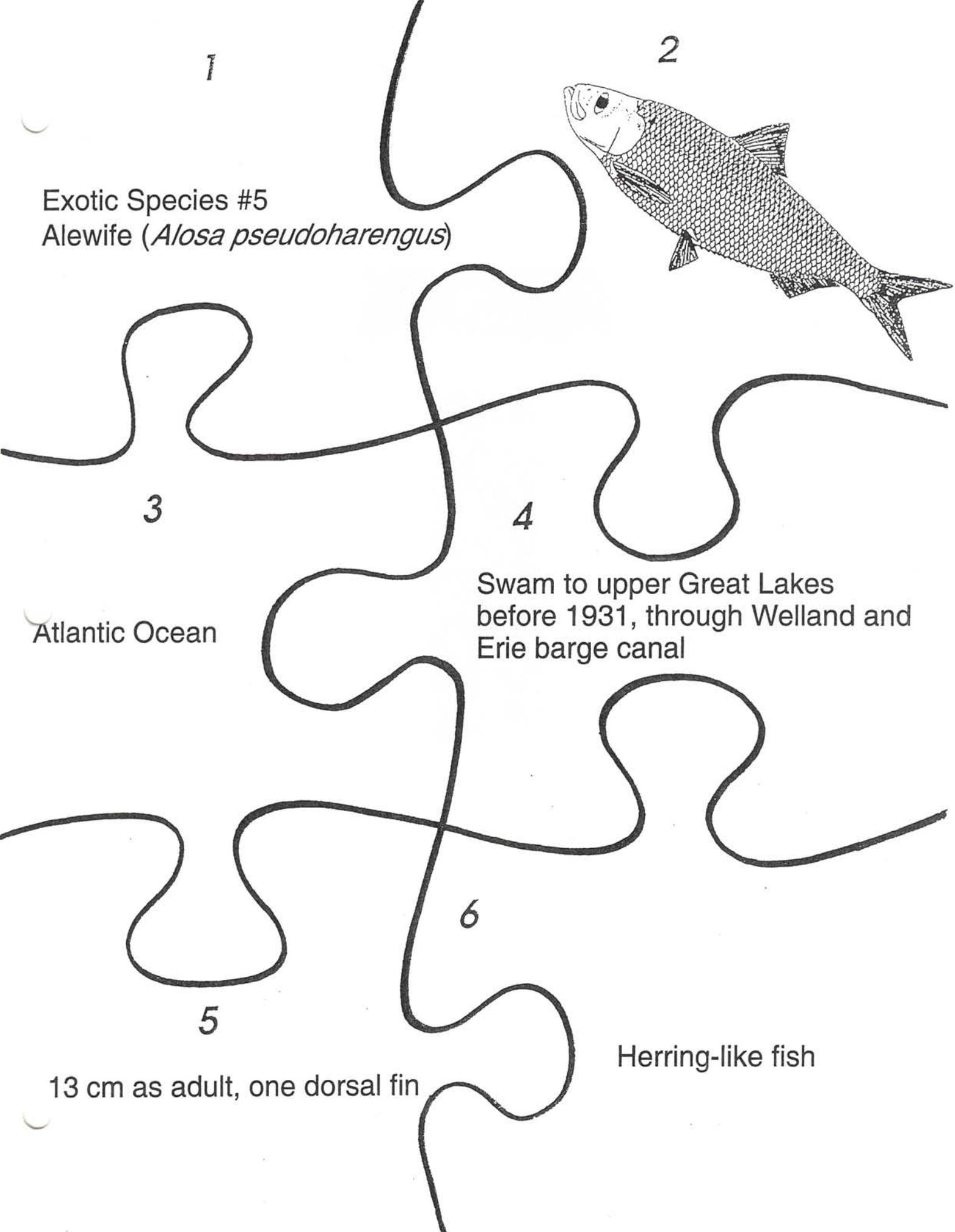
Swam to upper Great Lakes
before 1931, through Welland and
Erie barge canal

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Herring-like fish

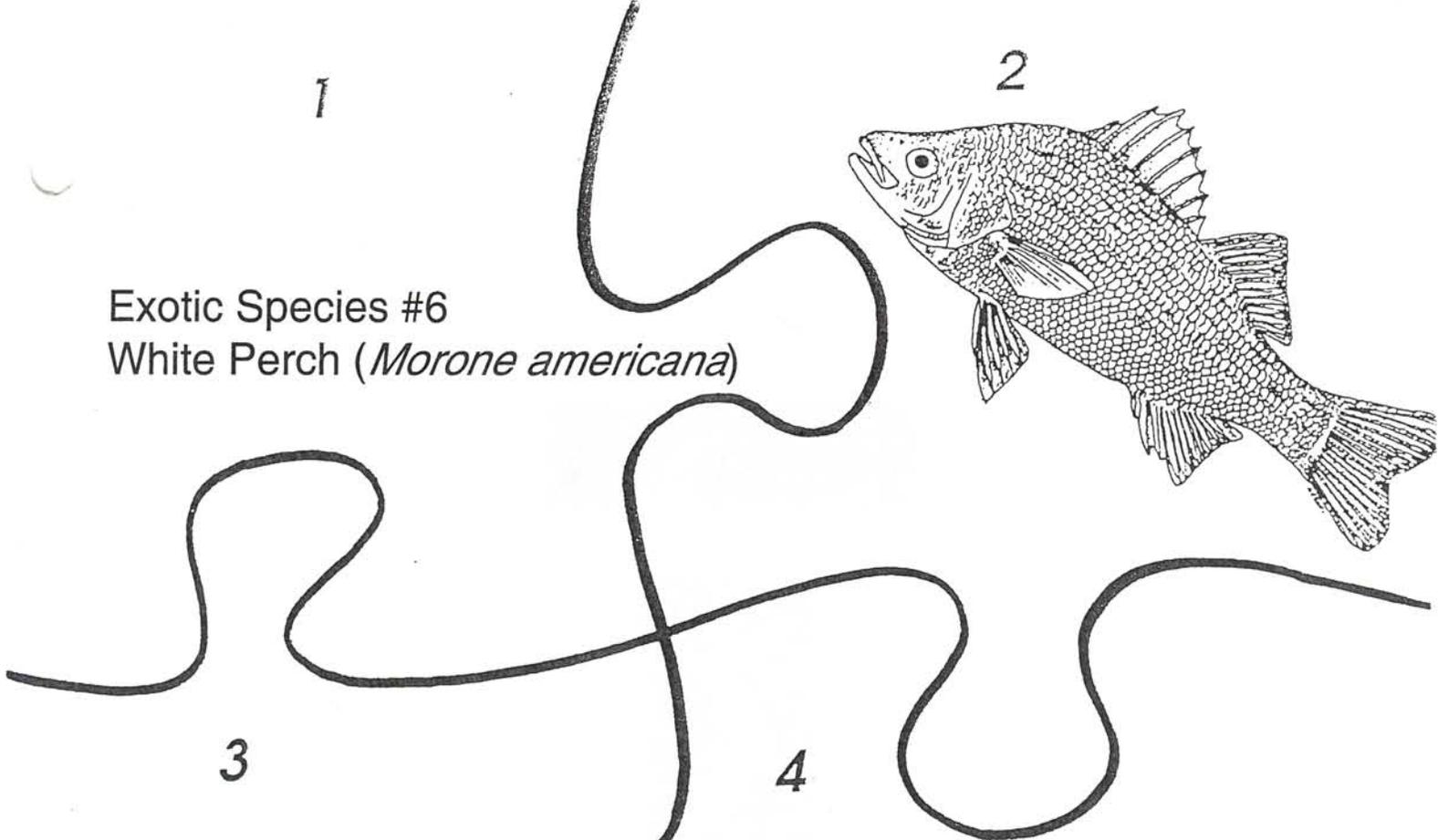
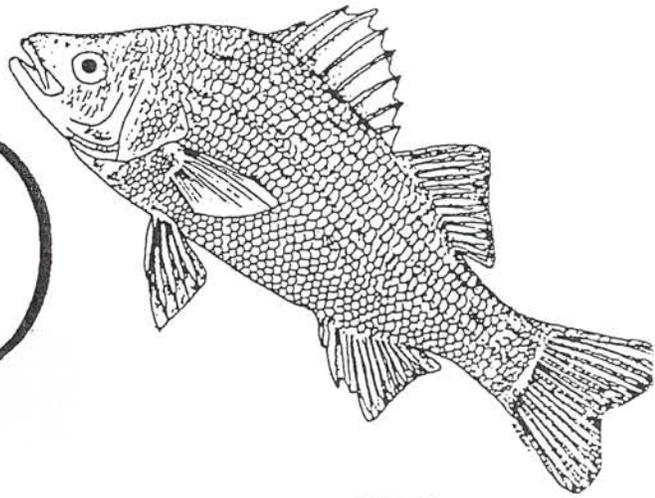
13 cm as adult, one dorsal fin



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Exotic Species #6
White Perch (*Morone americana*)

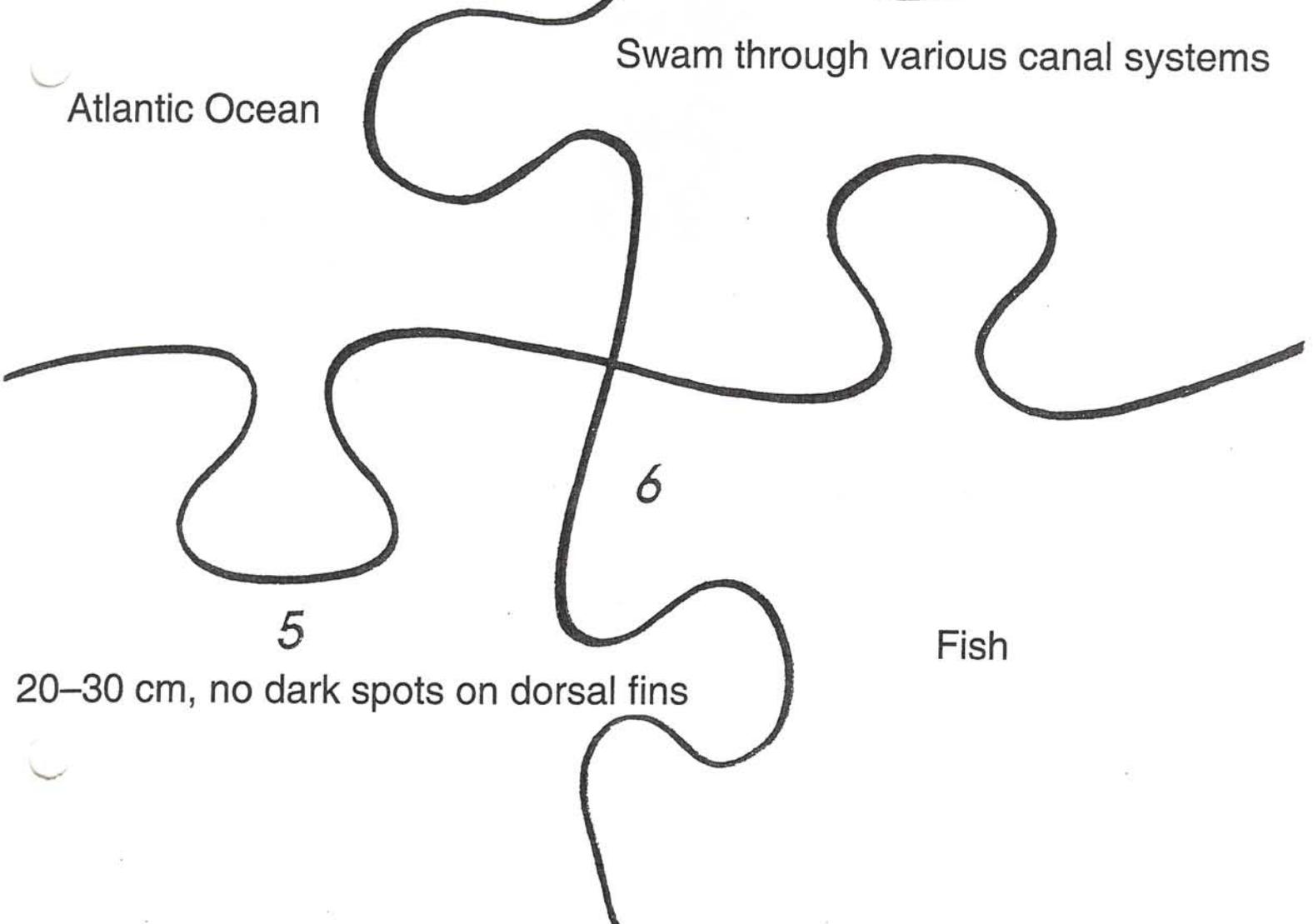


3

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Swam through various canal systems

Atlantic Ocean



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Fish

20-30 cm, no dark spots on dorsal fins

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Exotic Species #7
Purple Loosestrife (*Lythrum salicaria*)



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Northern Europe

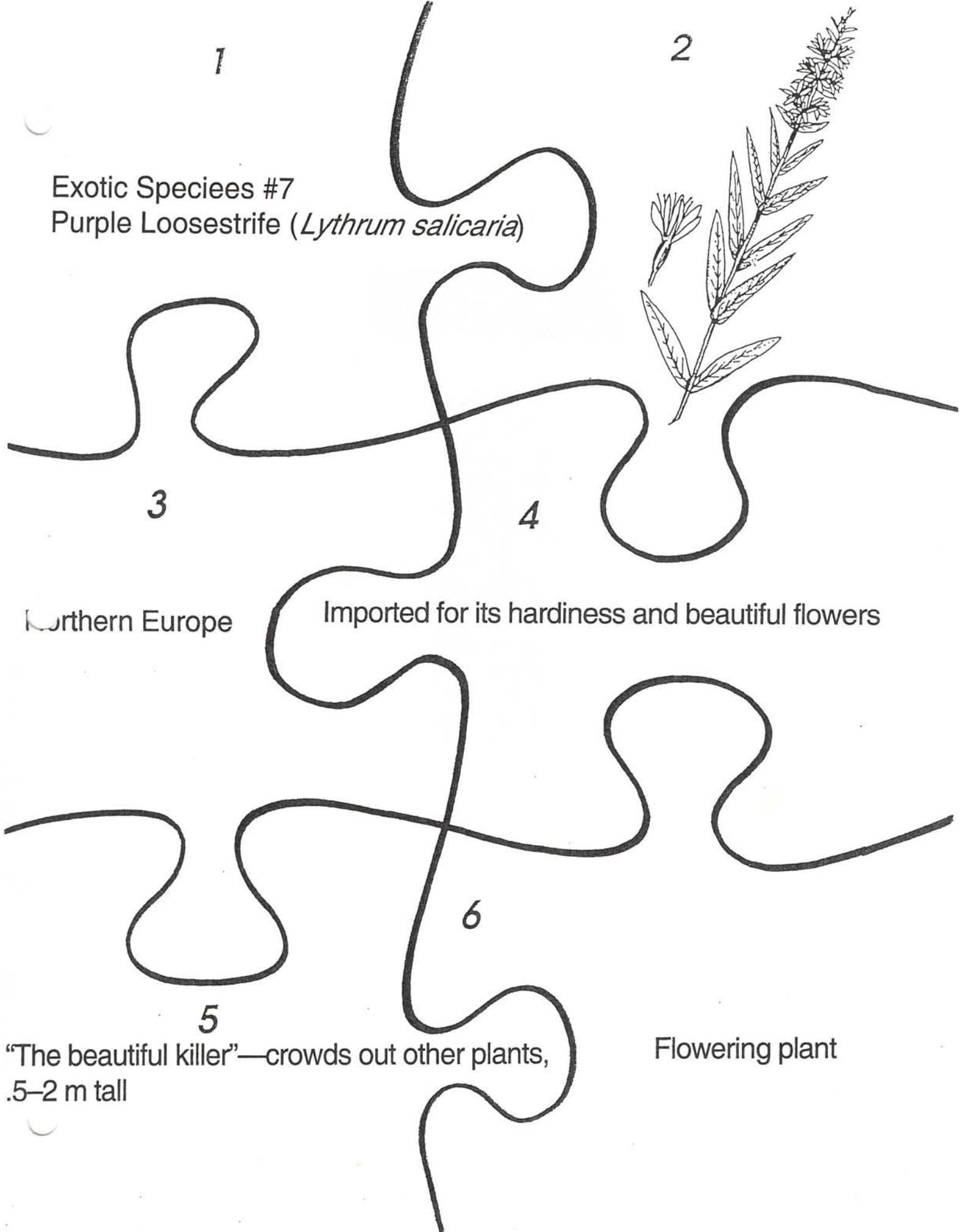
Imported for its hardiness and beautiful flowers

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Flowering plant

"The beautiful killer"—crowds out other plants,
.5-2 m tall



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Exotic Species #8

Eurasian Watermilfoil (*Myriophyllum spicatum*)



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Europe, Asia, and Africa

Introduced as an aquarium plant

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Forms thick mats that choke out native aquatic plants

Aquatic plant

