

Name: _____

Date: _____

Learning Goal Lab #: _____ Title: Fish Population Estimation Lab

Ask a Driving Question

What do you notice? What does this remind you of?

Estimate

Too high

Too low

Try it! Calculate

Total # of Tagged Fish _____

Attempt 1: # of Tagged Fish _____

Total # of Fish in Sample _____

Attempt 2: # of Tagged Fish _____

Total # of Fish in Sample _____

Calculated # of Fish in Attempt 1 _____

Calculated # of Fish in Attempt 2 _____

Actual # of Fish in Lake _____

New Year - 1st Sample: # of Old Tagged Fish _____

Total # of fish _____

of New Tagged Fish in 1st Sample _____

New Year - 2nd Sample: # of NEW tagged fish _____

Total # of fish _____

Calculated # of Fish in Lake _____

Calculated # of Fish that Died _____

Actual # of Fish in Lake _____

Actual # of Fish that Died _____

Copy Class Data Chart here.

How close were your estimates to the real population? Which one of your samples gave you the more accurate estimate? Looking at the class data, how accurate were the estimates of the other groups? _____

What might have thrown off your results off? What could you do to improve your results? _____

What do you think of this method of estimating fish populations? Do you think it gives an accurate result? Explain why or why not using examples from your data or the class data? _____

Why did the proportions from the second year work? How could they help you find the number of fish that died and were born? _____

