Name: _____ Date: _____

BLM 2–13

Chapter 2 Problem Wrap-Up Rubric

Category	Level 1	Level 2	Level 3	Level 4
Knowledge and Understanding • Demonstrates an understanding of experimental probability and theoretical probability. • Finds statistics on declining fish stocks/invasive species.	Demonstrates limited understanding of experimental probability and theoretical probability. Finds no or few statistics on declining fish stocks/invasive species. Makes major errors.	Demonstrates some understanding of experimental probability and theoretical probability. Finds few statistics on declining fish stocks/invasive species. Makes minor errors.	Demonstrates considerable understanding of experimental probability and theoretical probability. Finds statistics on declining fish stocks/invasive species correctly.	Demonstrates thorough understanding of experimental probability and theoretical probability. Finds statistics on declining fish stocks/invasive species correctly.
Thinking • Prepares a plan to solve the problem. • Carries out the plan.	Needs extensive assistance to begin organizing a plan and needs clearly laid out steps to follow.	Needs some assistance to begin organizing a plan and needs some steps to follow.	Needs minimal assistance to organize and implement an effective strategy.	Needs no assistance to organize and implement an effective strategy.
Communication • Clear explanations and full justifications. • Correct use of statistical language.	Does not clearly explain or justify solution. Uses statistical terminology incorrectly.	Explains and justifies solution somewhat. Sometimes uses statistical terminology incorrectly.	Explains and justifies solution fully. Correctly uses statistical terminology.	Explains, justifies and shows insight into the complexities of the solution. Uses statistical terminology fluently.
Application • Writes a concluding statement that uses probability to describe the future of a particular fish stock or effects on the fishing industry.	With considerable difficulty, writes a concluding statement that uses probability to describe the future of a particular fish stock or effects on the fishing industry. Makes major errors.	With some difficulty, writes a concluding statement that uses probability to describe the future of a particular fish stock or effects on the fishing industry. Makes some errors.	Writes a concluding statement that uses probability to describe the future of a particular fish stock efficiently and effectively. Makes very few errors.	Writes a concluding statement that uses probability to describe the future of a particular fish stock efficiently and with a high degree of effectiveness. Makes very few or no errors.