

Data Analysis Activity

Dr. Nash & Dr. Mueller made two graphs from their data. They will use this data to decide which seagrass beds are healthy and which are in danger of dying off. Read the graphs and answer the questions.

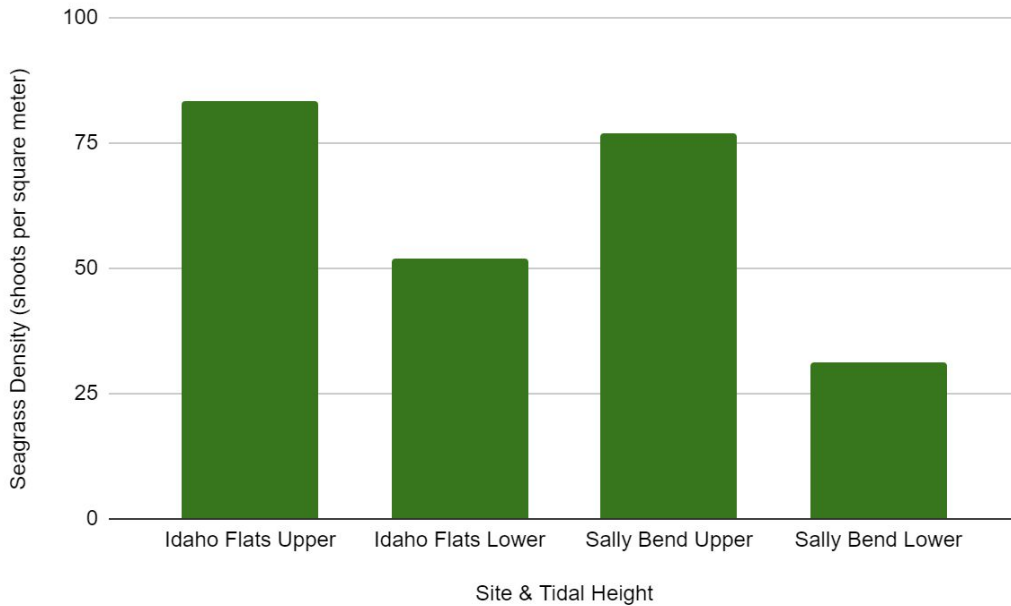


Figure 1: Seagrass shoot density versus site & tidal height. The Upper sites were close to the shore and seagrass growing there spends more time per day out of water when the tide goes out. The Lower sites spend more time underwater and less time exposed to air.

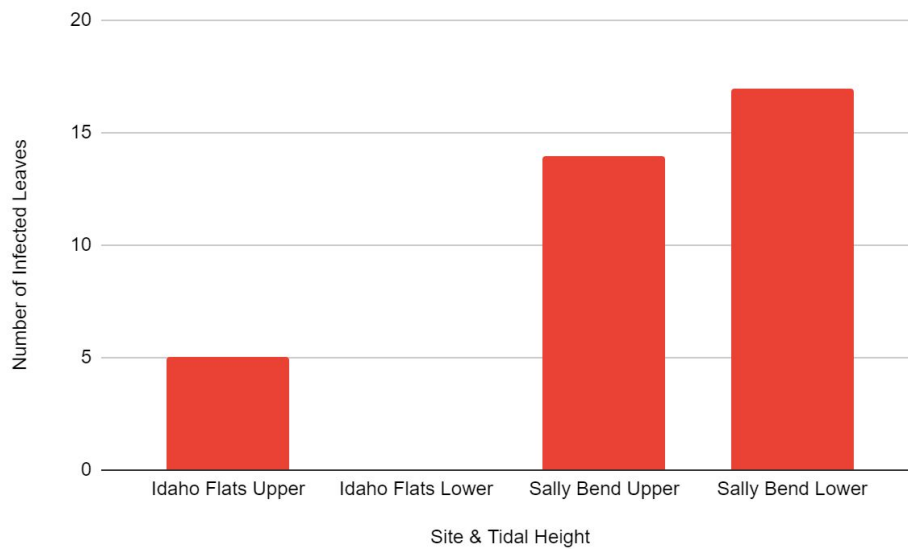


Figure 2: The number of infected seagrass leaves found at each area.

Write a Claim, Evidence, and Reasoning to explain which area (i.e. Idaho Flats Upper, Sally Bend Lower, etc.) has seagrass beds that are doing the worst.

Question: Which area has seagrass beds that are in the most danger of dying off?

Claim (In a complete sentence, answer the question.):

Evidence (Cite your data; mention the graphs directly):

Reasoning (Why does this evidence mean that your claim is correct? Explain.):