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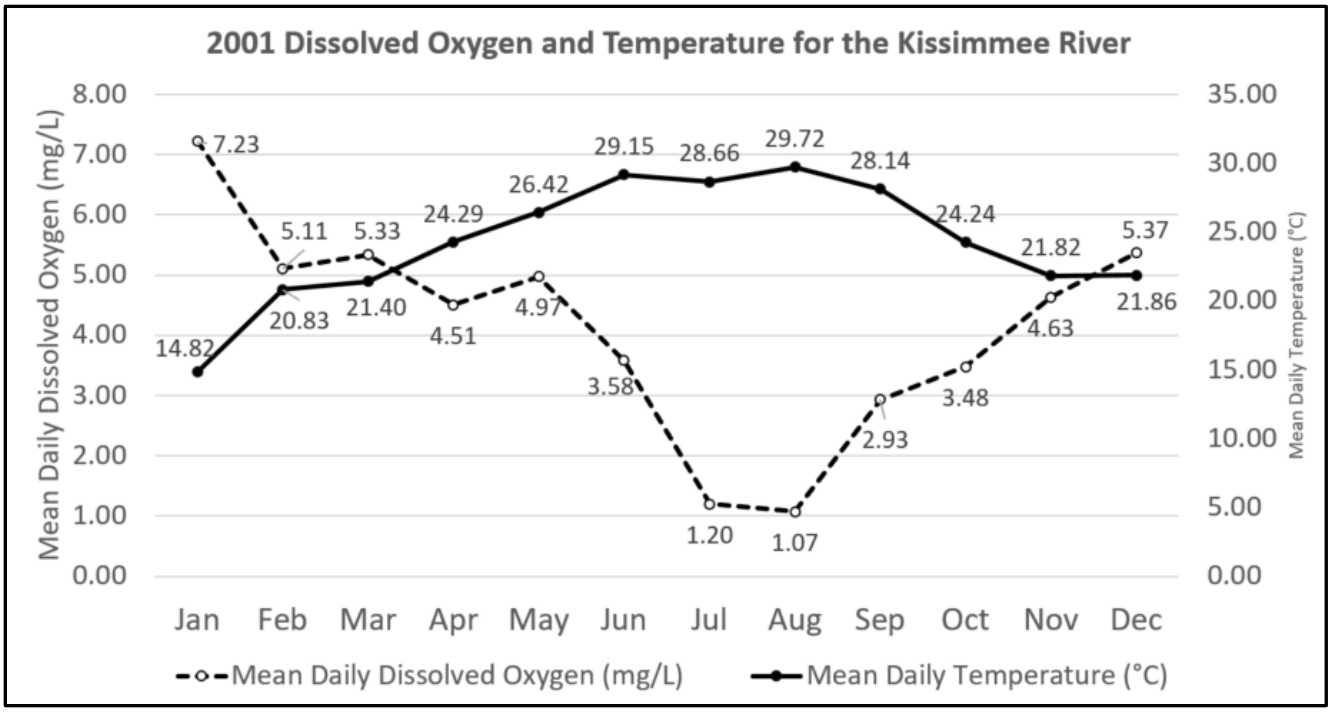
Dissolved Oxygen Levels in the Kissimmee River

STUDENT WORKSHEET

DIRECTIONS: Look at the data on the graph below and answer the questions that follow.



1. What variable (X or Y) is shown along the horizontal axis? What does this variable represent?

2. What variable (X or Y) is shown on the vertical axis? What does the variable on the left represent? What does the variable on the right represent?

3. What is the average temperature of the Kissimmee River in March?

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4. What is the average temperature of the Kissimmee River in July?

5. What is the average temperature of the Kissimmee River in November?

6. What is the average DO of the Kissimmee River in March?

7. What is the average DO of the Kissimmee River in July?

8. What is the average DO of the Kissimmee River in November?

9. What relationship do you see between the changes in DO and the changes in temperature as you move from month to month on the graph?

Assessment Questions:

1. How did the channelization of the river change the dissolved oxygen in the river system?

2. How does the restoration of the river change the dissolved oxygen in the river system?

3. Describe some of the changes that scientists are likely see as a result of improved dissolved oxygen levels.