**Lesson 3: Reading The Maps**

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Directions: Look closely at the two maps provided: “Copeland Rx planning area” and “Copeland RC (multi-day)” and answer the questions below.

Using the **“Copeland RX Planning Area Map”** answer the following questions:

1. Every map created by Big Cypress National Preserve’s Fire and Aviation Department must contain the following pieces of information: Title, Legend, Scale, Area of Interest, Date Created, and coordinates.
	1. What is the title of the map? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	2. Find the scale. Using a ruler calculate how many inches represents 1 mile.

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* 1. Locate the legend and answer the following questions:

How many different vegetation (habitat) communities does the map represent?

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What do the following symbols represent?

 Red Triangle: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Black Square: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Locate and underline the FOC (Fire Operations Center) on the map. What state highway is the FOC located on?

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1. List three towns that are shown on the map?

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1. What is the major habitat type represented on this map?

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1. The numbers on the top and bottom of the map represent coordinates of longitude. The numbers on the two sides represent coordinates of latitude. Wildland firefighters can use these coordinates to find specific locations or habitat types.

Find 81°20’30”W on the top of the map and draw a line to the 81°20’0”W on the bottom of the map.

Next, find 25°58’0”N on the side of the right map and draw a line to connect it to the 25°58’0”N on the other side of the map.

What habitat is located at the coordinate 81°20’0”W 25°58’0”N? (Hint: It is where the two lines intersect.)

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1. Imagine YOU are a wildland firefighter at Big Cypress National Preserve. You want to plan a prescription burn in the prairies and pinelands located south of Lower Wagonwheel Road, east of Highway 29, west of Birdon Road, and north of Highway 41. Shade the prairie habitats and circle the pineland habitats located in this area in preparation for a prescription burn. Draw a rectangle around four areas that you do not want to include in the prescribed burn. Why did you choose these areas?

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Using the **“Copeland RX (multi-day)”**map answer the following questions:

The “Copeland RX (multiday)” map is real data taken from a prescription burn over five days. On the map RX is used as an abbreviation for prescribed or prescription burn. Each number represents one fire prescription.

1. How many prescribed burns did the area receive?

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1. When did the Copeland RX burns take place?

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1. How many acres total were burned?

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1. Compare the “Copeland RX (multi-day)” map to the “Copeland RX planning area” map. What was the major habitat type that was treated during the prescribed fire?

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1. What habitat type was largely unburned?

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1. Was there any overlap between areas YOU set aside and the real-life prescription burns? \_\_\_\_\_\_\_\_\_\_\_\_\_\_

If so, what areas overlapped?

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