Handout M19 & H18-2. Record fire history on a timeline

Using dry-erase markers, record the fire history of your tree cookie on your timeline:

1. Record your tree’s number and species in the correct boxes at the right end of your timeline. Use “PP” for ponderosa pine and “LP” for lodgepole pine. Make the print large so people can see it from across the room.

2. Count the number of fire scars on your cookie and record it in the correct box. If your cookie has scars that were NOT made by fire, ignore them.

3. Calculate the average fire interval for your tree and record it in the correct box. If your cookie has scars that were NOT made by fire, ignore them. If your cookie has only 1 fire scar, put an “X” in this box because you cannot calculate an average fire interval.

4. Draw a DARK vertical bar across your timeline to mark the year of your cookie’s earliest annual ring. (See the example below.)

5. Draw another DARK vertical bar across the timeline to mark the year of your cookie’s final annual ring.

6. Draw a DARK horizontal line across the middle of your timeline to connect the year of the earliest ring with the year of the final ring. Draw this line right across the dates printed on the timeline. This line spans all of the years shown in your cookie.

7. USING A CONTRASTING COLOR, draw a vertical bar across your timeline to mark the year of every fire scar on your tree cookie.

8. HAVE SOMEONE CHECK YOUR WORK. If you have errors, the class’s pooled data will not make sense.

Attach your cookie’s timeline to the stand history diagram for fire-scarred cookies:

1. Find your cookie’s number on the poster.

2. Attach your timeline to the poster right on top of your cookie’s number and the box it is in. Carefully line up the left edge of your timeline with the left edge of the box.