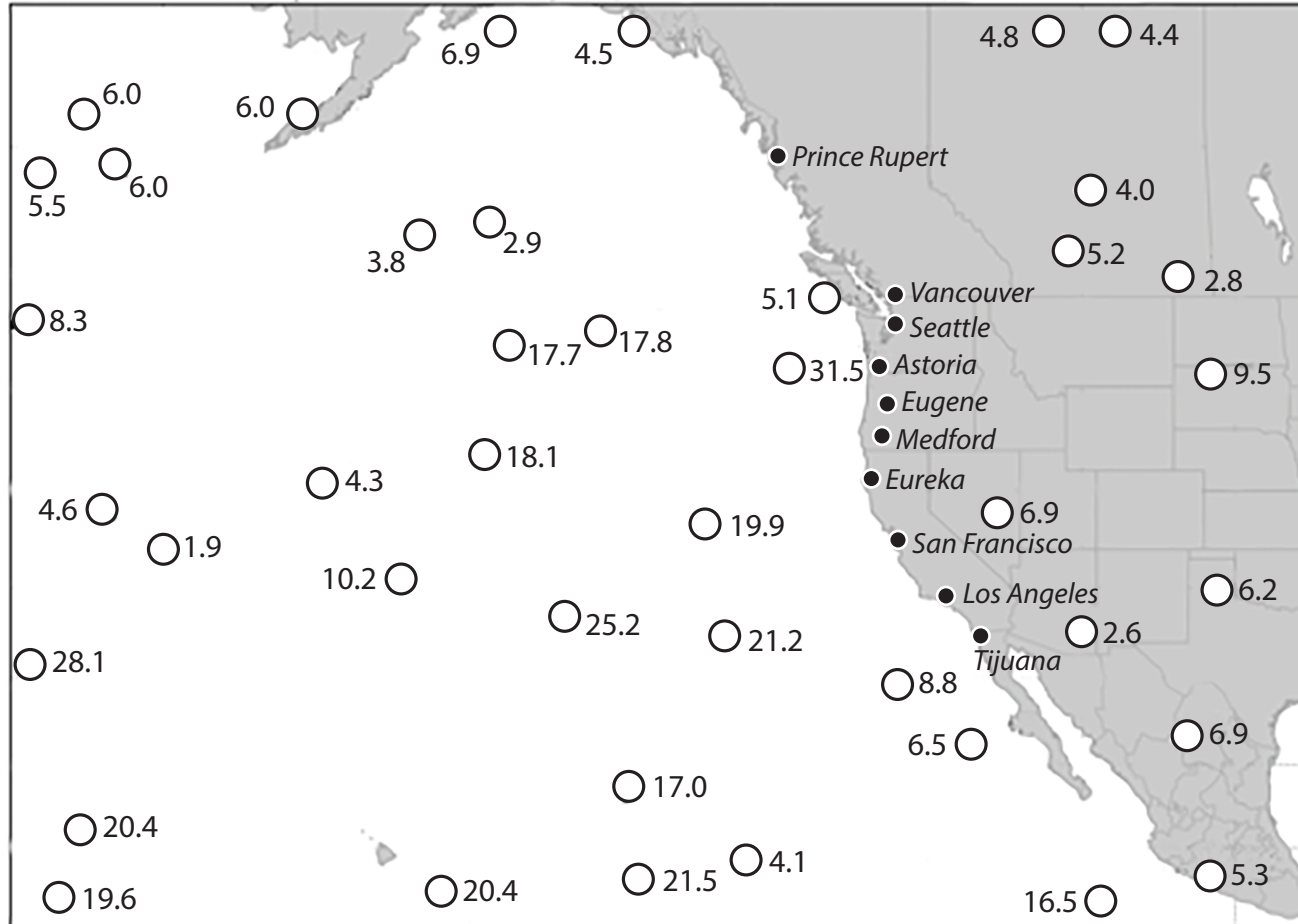


## Student Activity Sheet: Mapping the Pineapple Express

Hunting for the Pineapple Express Activity, Satellites and Weather Teaching Box

Map of Water Vapor Data, Midnight to Noon, November 7, 2006



The map at the left shows how much water vapor COSMIC satellites measured in the atmosphere. It's measured as *precipitable water*, which is the amount of water in the air, measured in millimeters, as if it were liquid. **Follow the steps below to figure out where the Pineapple Express is located and which locations along the coast are in its path.**

1. Color the dots to help you see the pattern. Label the colors in the key.

- 20.0 or greater
- between 10.0 and 19.9
- less than 10.0

2. On the map, draw the boundary of the atmospheric river, known as the Pineapple Express, as a line between the less than 10.0 dots and the higher than 10.0 dots. In places where you are uncertain of its exact location, use a dotted line.

3. Make predictions: *Which locations labeled with black dots do you think:*

- will have rain?
- will not have rain?
- might have rain?