

Morning Quiz:

Please respond to this question on 1/2 sheet of paper. It is due at 8:43. Full credit will be given for serious attempts to answer the question - you will not be graded on whether or not you are correct.

WHY is Kincaid's Lupine a threatened species, when 200 years ago it was relatively abundant? Answer this question using ONLY the information we have discussed in class, including:

- a) The presentation Ian from IAE gave about Willamette Valley Prairies
- b) The reading we did in class ("The Vegetation of the Willamette Valley")
- c) In-class discussions about this topic

Do NOT answer this question by guessing - in other words, use only information that you know to be true.

- What is the? fire
- According to, Kincaid's lupine is now a threatened species.

WHY?

HOW?

- decrease in fire over 200 years
 - Because of its short life cycle, it can recover from annual fires
 - In the absence of fire, other species outcompete K.L.

- increase in population/development
 - there's not as much habitat available for K.L.

- increase in non-native species
 - there are not enough resources for all plants -
 - SO if a non-native species comes in, a native species ends up getting pushed out

→ why did these things lead to a decrease in K.L.?