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**Sent:** Tuesday, March 26, 2019 11:47 AM  
**To:** Cathy Marcinkevage - NOAA Federal  
**Subject:** ROC Analytical Approach

I looked at the AA for magnitude definitions to use in the American River Effects section and noticed the general description of Medium magnitude seems to be missing a statement about proportion affected, or perhaps the severity should be short of lethal. The description seems too harsh to be "Medium". Based on the description, a lethal stressor that occurs at high frequency could be called "Medium" in terms of magnitude.

"Medium: Severity may range from lethal to minor, and frequency of exposure is generally high or medium."

One option for downgrading "Medium" is the following, although it does generate some overlap with the description for "Low".

"Severity may range from lethal to minor, **proportion exposed is medium or small**, and frequency of exposure is generally medium or small."

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