

## Don't agree with the experts on everything?? Create your own Matrix

	<u>Choke Cherry</u>	<u>Daisy Lane</u>	<u>East Mont.</u>	<u>GWSD</u>	<u>King Ranch</u>	<u>Pine Drop</u>	<u>Shingle Creek</u>
Resident Evacuation Value	0	20	10	20	0	20	10
<u>Fire Protection Value</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<b>Total Benefit Score</b>	<b>0</b>	<b>20</b>	<b>10</b>	<b>20</b>	<b>0</b>	<b>20</b>	<b>10</b>

<b>Probability of Short Term Success</b>	<b>Very Low</b>	<b>Low</b>	<b>Very Low</b>	<b>Medium</b>	<b>Low</b>	<b>Very Low</b>	<b>Very Low</b>
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### Instructions

The matrices completed by our experts are provided in the appendix of the MatrixIntroduction&DiscussionA file. This file is for residents who wish to replace the expert opinions with their own opinions on two of the three sections of the matrix (the Resident Evacuation Value and Fire Protection Value Sections) and see if the results change materially.

To fill out these two sections, go to the EVAC and FPV tabs and fill in the cells that are in yellow. First, fill in columns C through I based on the the criteria in column A. Then assign a weight to the criteria in column J. Give criteria you feel are more important higher weights and criteria that you feel are less important lower weights. For an example, the first criteria line on the EVAC page has been filled in. The user should write over these numbers and replace these example numbers with numbers that reflect their opinion.

### Why not do the Probability of Success page also?

The probability of success (POS) page cannot easily be modified for resident input because it does not use mathematical probabilities. For reasons explained on page 7 of the MatrixIntroduction&DiscussionA file, the POS section uses words like "Low", "Medium" and "High" which can not be multiplied as required for mathematical probabilities without defining them mathematically. (One can define words like "Low" mathematically, but the GFSC did not feel that was prudent per Page 7). Therefore, residents that wish to change the POS page are left to their own devices to do so. To facilitate that process, the excel version of the POS filled out by the GFSC has been provided as a starting point for those wishing to create their own POS analysis.

Remember that with probabilities, you can never have a higher probability of success than your lowest criteria. So if you have one criteria that has a "Low" probability, the probability of completing all the criteria successfully cannot be higher than "LOW" even if all the other criteria have a "High" probability. If there are two "Low" rated criteria, the probability of completing them both is at best "Very Low".

Consult the MatrixIntroduction&DiscussionA file for further information and background on the matrix.