This purpose of this exercise is to help users simulate the CPT tool with user preferred weights.

Follow the steps 1 – 7 on Exercise I before continuing this exercise.

7) The Decision analysis tab (Figure 10) is the entry point to 3 new tabs including Data Overview, Goals, and Priority Attributes. In the Data Overview tab, you will see a table of scaled scores for each proposal. Choose **Specify weights!** This will enable you to enter your preferred weights for both goals and priority attributes into the model.
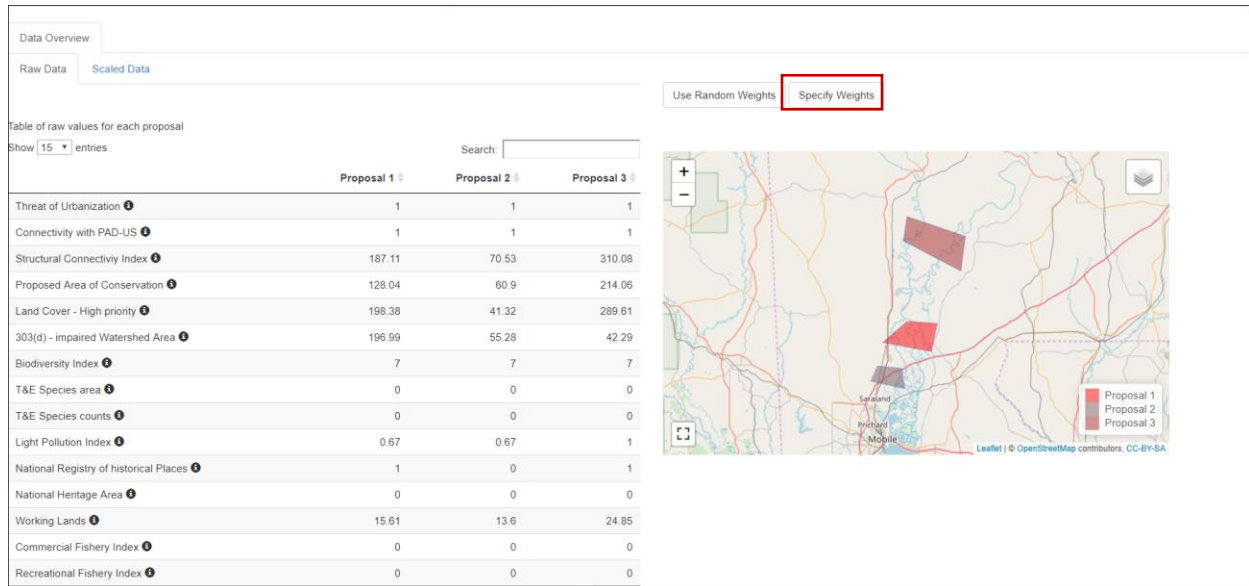

Figure 10. Data Overview – Specify Weights

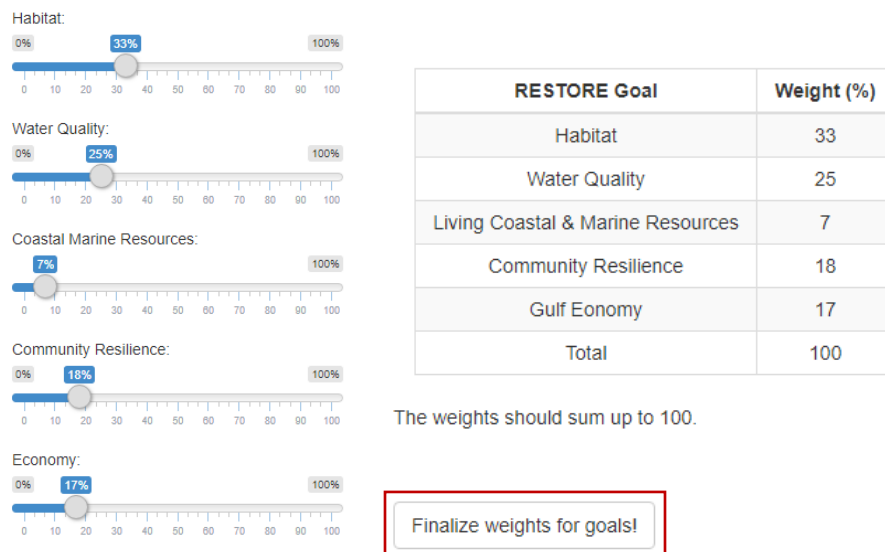8) By clicking the specify weights tab, the Goals tab appears.

Figure 11. Weight selection – RESTORE Goals

The default weight for each of the 5 RESTORE goals is 20%. Choose your own default weight using the slider bars from Habitat to Economy. The weights you choose will be reflected in the table on the right.

Your goals must add up to 100%. It will not allow you to proceed if they do not add up.

When you have modified the goal weights click **Finalize weights for goals!**

9) The next 5 steps will walk you through the Priority Attributes tabs (Figure 12). These tabs will allow you to change the default weight of the attributes from medium to zero, low, medium, or high via dropdown. Change any weighting to reflect your preference and when you have indicated all your desired changes within the tab click the **Next** button.

Figure 12. Weight Selection – Priority Attributes

10) Repeat Step 9 for all five priority attributes – Habitat, Water Quality, Living Coastal and Marine Resources, Community Resilience and Gulf Economy.

On the "Weights Review" tab, if any priority attribute is listed as "NA", you will receive an error. Scroll back through each priority attribute tab and choose a weight.

	Proposal 1	Proposal 2	Proposal 3	weights
Threat of Urbanization	1	1	1	Medium
Connectivity with PAD-US	1	1	1	Medium
Structural Connectiviy Index	3.91	3.15	4.02	Medium
Proposed Area of Conservation	0.9	1	0.9	Medium
Land Cover - High priority	0.04	0	0	Medium
303D - impaired Watershed Area	1	1	1	NA
Biodiversity Index	0.5	0.5	0.5	NA
T&E Species area	0	0.75	0	NA
T&E Species counts	0	0.9	0	NA
Light Pollution Index	0	0	0	NA
National Registry of historical Places	0	0	0	NA
National Heritage Area	0	0	0	NA
Working Lands	0.12	0.63	0	NA
Commercial Fishery Index	0	0	0	NA
Recreational Fishery Index	0	0	0	NA

11) The Weights Review tab will enable you to review the current weighting scheme. You can use this tab to check yourself and move back through the attributes tab to change any weighting that does not reflect your values. Once the attributes are weighted as you wish, click **Finalize weights!** Your results will be available in the "Result" tab

	Proposal 1	Proposal 2	Proposal 3	weights
Threat of Urbanization	1	1	1	Medium
Connectivity with PAD-US	1	1	1	Medium
Structural Connectiviy Index	3.91	3.15	4.02	Medium

12) The Decision Support—User defined Weights tab reports a summed score for each of the Goals as well as a graph that identifies the scores for each proposal based upon your weighting preferences. You may also **Generate a report** for this model run.

Generated reports will include:

a)   the proposal footprint (map of proposed areas of conservation).

b)   List of measures with scaled scores for each measure included in the assessment.

c)   User preferences.

d)   Results graphics, including rank acceptability graph and central weights graph.

Visual Report will include a summed score table for each of the RESTORE Goals (Figure 13.a) and a bar graph (Figure 13.b) that illustrates the score of each proposal based upon your preferred weighting. Where the x axis includes the proposal and the y-axis is the proposals relative score.
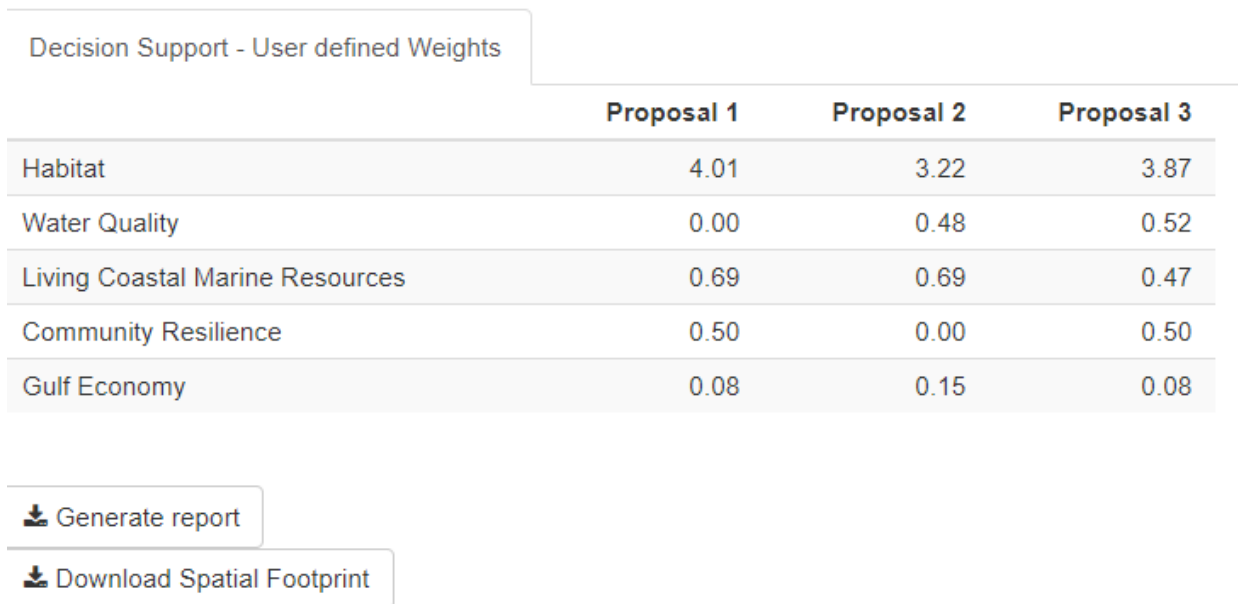
Decision Support - User defined Weights

	Proposal 1	Proposal 2	Proposal 3
Habitat	4.01	3.22	3.87
Water Quality	0.00	0.48	0.52
Living Coastal Marine Resources	0.69	0.69	0.47
Community Resilience	0.50	0.00	0.50
Gulf Economy	0.08	0.15	0.08

⬇ Generate report

⬇ Download Spatial Footprint
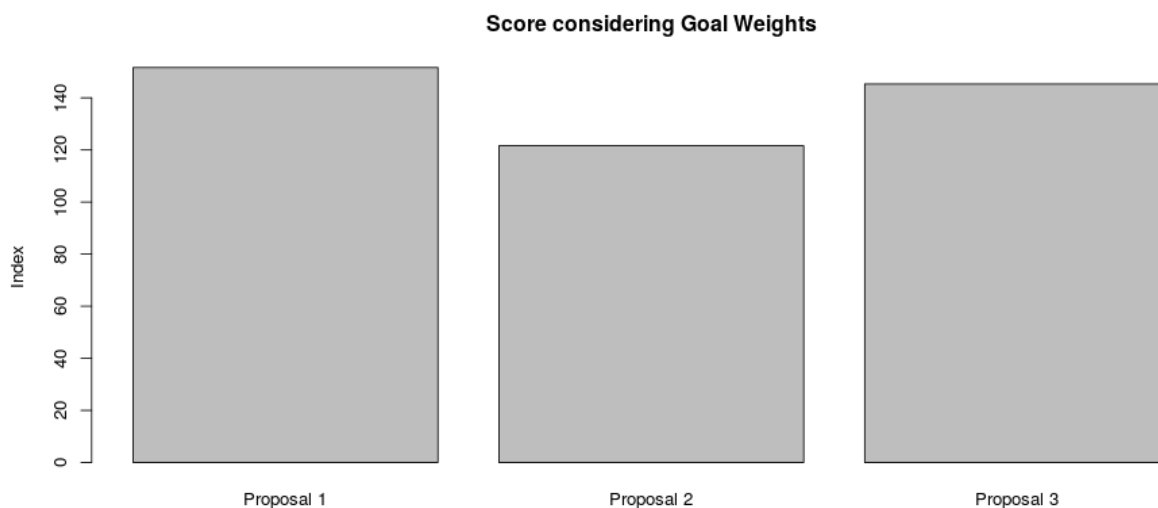
Figure 13. a – Score Table

Figure 13.b--Relative Scores of each Proposed Conservation Area, based on user defined weights