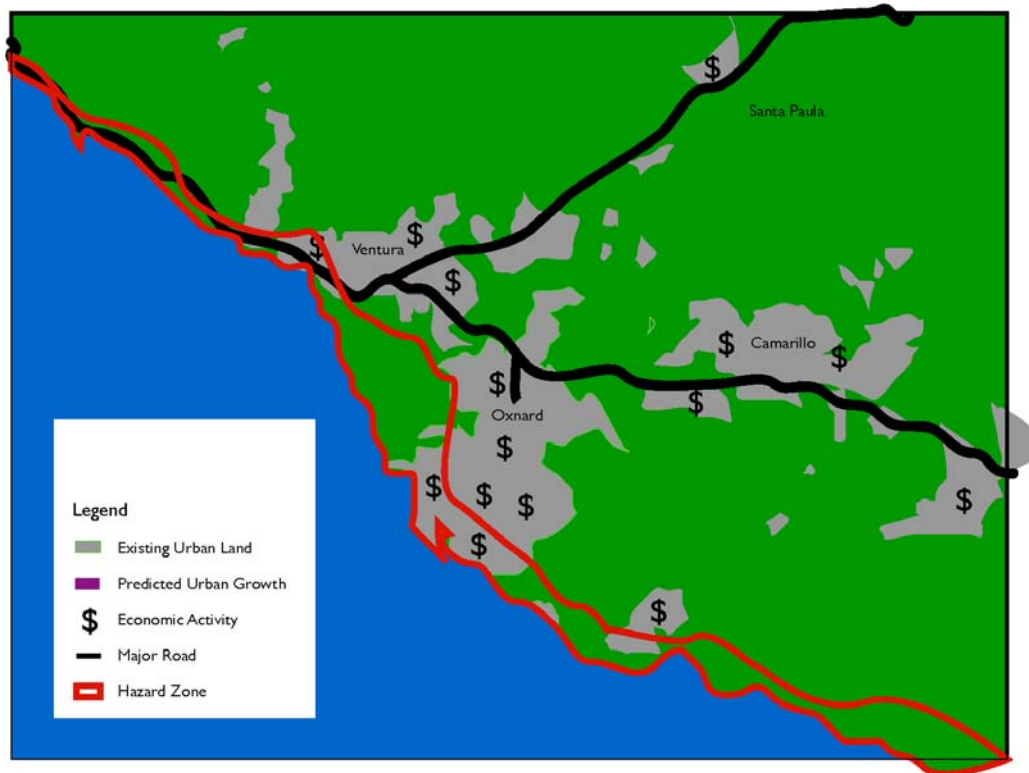


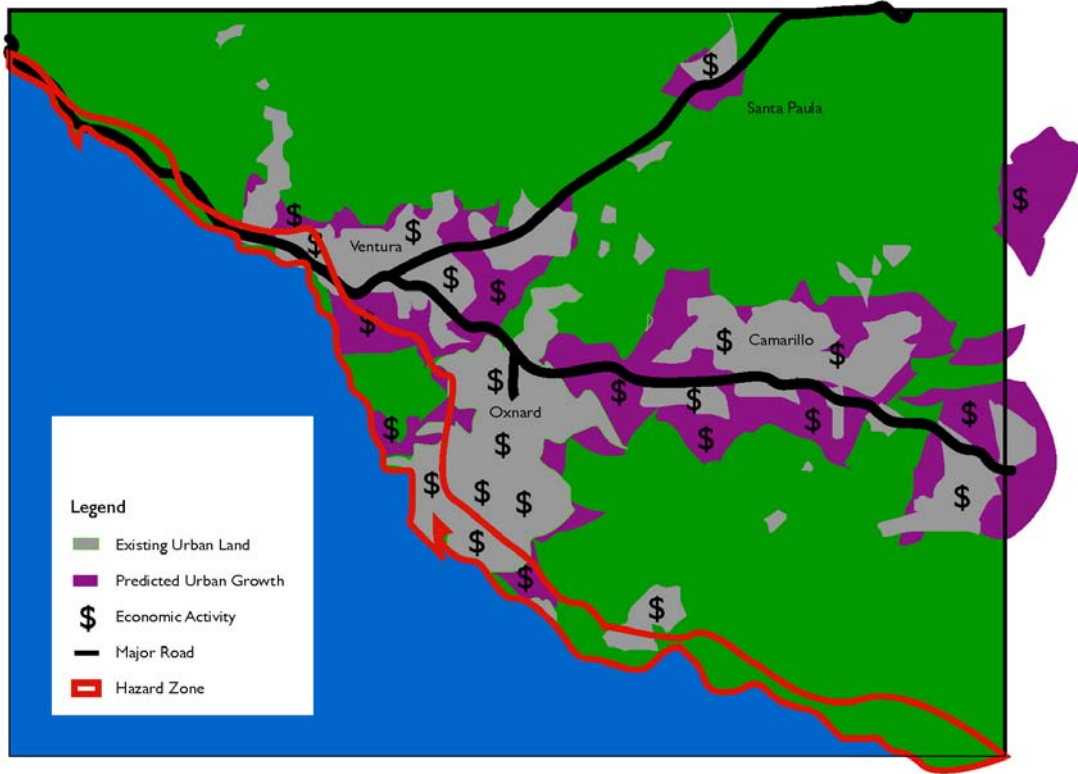
Exhibit 1: Graphical Representation of Model Outputs

Map 1: Hypothetical Map a Coastal County in the 2008



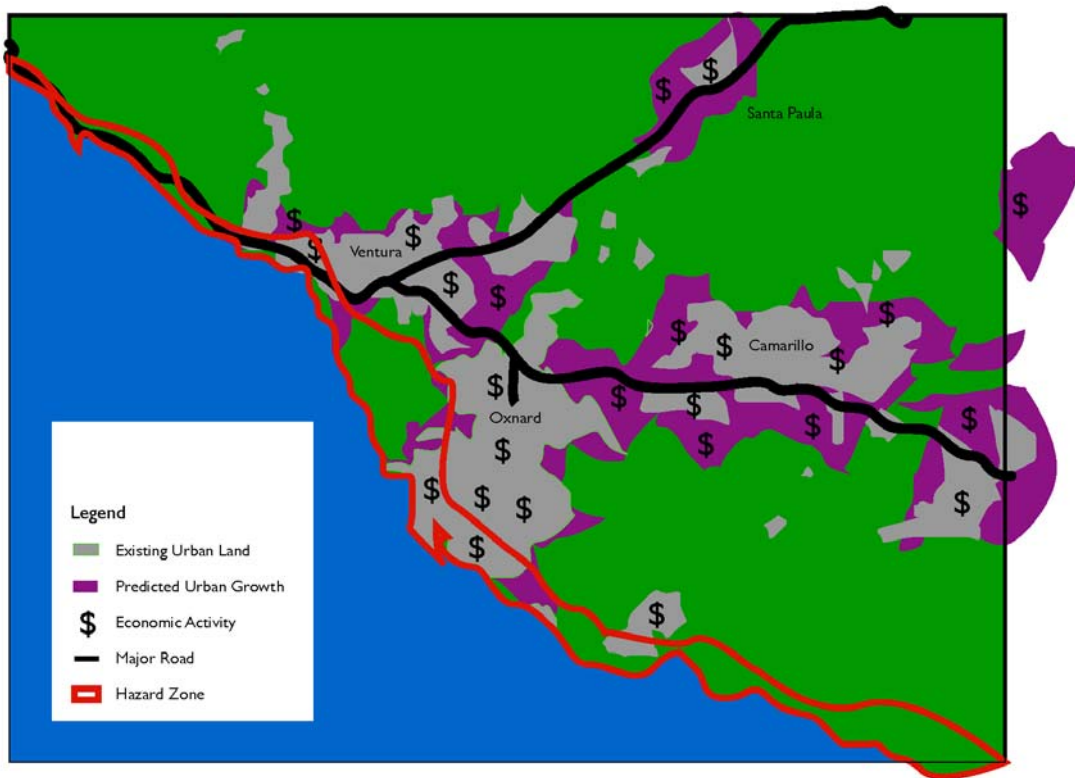
Map 1 shows the spatial economy and urban development in a coastal county for the current year. Grey land is under urban development while green is in a non-urban use. Dollar signs represent a certain amount of economic activity. The red zone indicates an area where a particular climate change induced coastal impact is predicted to be likely. The tool will allow for the graphic representation of urban development and economic activity within various hazard zones and for the calculation of the amount of income and people likely to be impacted.

Map 2: Hypothetical Map a Coastal County in the 2025



Map 2 is indicative of what output for a future year may look like without changes in local development policies. Econometric and statistical models have been used to predict future economic activity (additional dollar signs) and new urban land conversion (shown in purple). Additional growth within the hazard zone can be visualized and counted providing in indication of likely future impacts related to climate change along the coast.

Map 3: Hypothetical Alternate Map a Coastal County in the 2025



Map 3 provides an alternative prediction for the county's development by 2025. Specific policy changes have been implemented (i.e., limited new development in the red zone) and growth in both economic activity and urban land conversion has been redirected to the most likely sites under this alternate policy framework. Change within the coastal zone can again be examined and calculated allowing an assessment of this policy package's effectiveness in reducing coastal vulnerability in the face of climate change induced impacts.