Can a California Abalone Fishing Cooperative be Economically Viable and Sustainable?

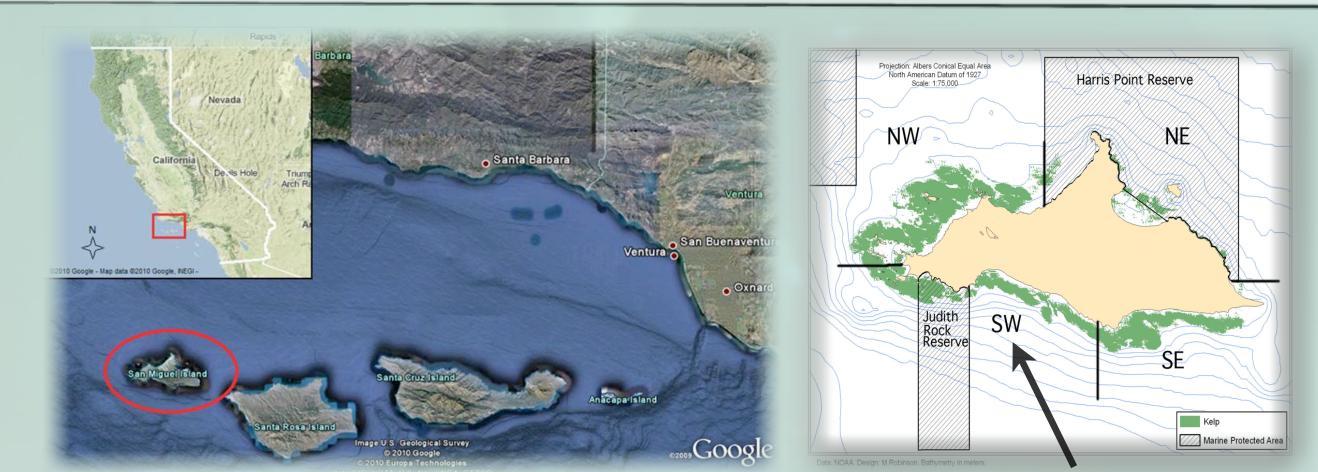




Background

Red Abalone

Abalone populations declined in the 1900s due to fishing pressure, environmental variability, lack of data, and an inappropriate scale of management.



A recovering population exists at the southwest zone of San Miguel Island, and the California Fish and Game Commission is considering opening a smallscale commercial fishery. In response, the California Abalone Association (CAA) has developed a plan for a fishing cooperative.

FISHERS AS STEWARDS

A cooperative is a group of fishers who are given dedicated access to a marine resource, as well as greater responsibility in harvesting decisions, data collection, and monitoring.

Two options for allocating harvest between the cooperative and the recreational sector

Commercial 90% / Recreational 10%

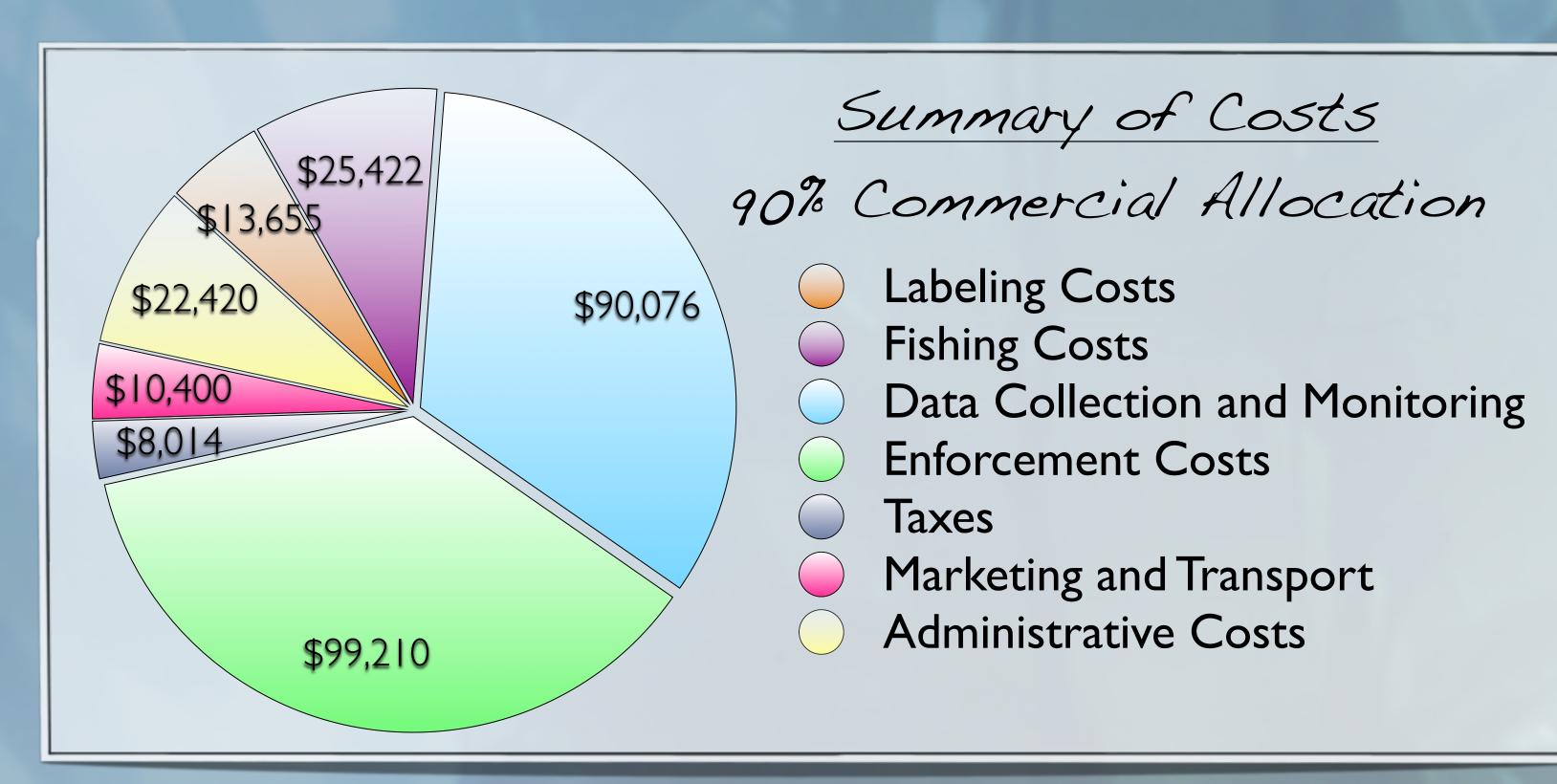
Commercial 50% / Recreational 50%

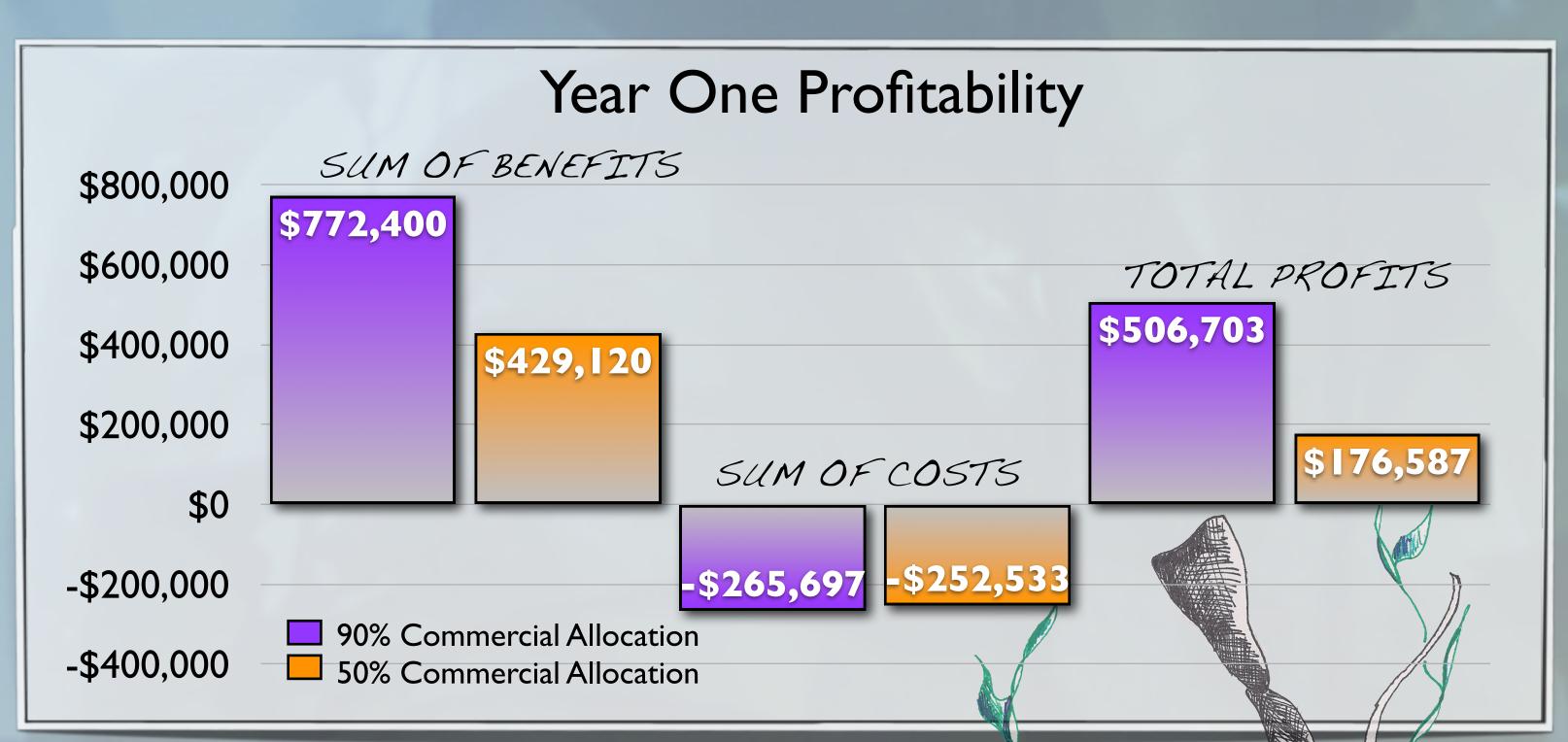
Methods & Economic Viability Model

General Approach

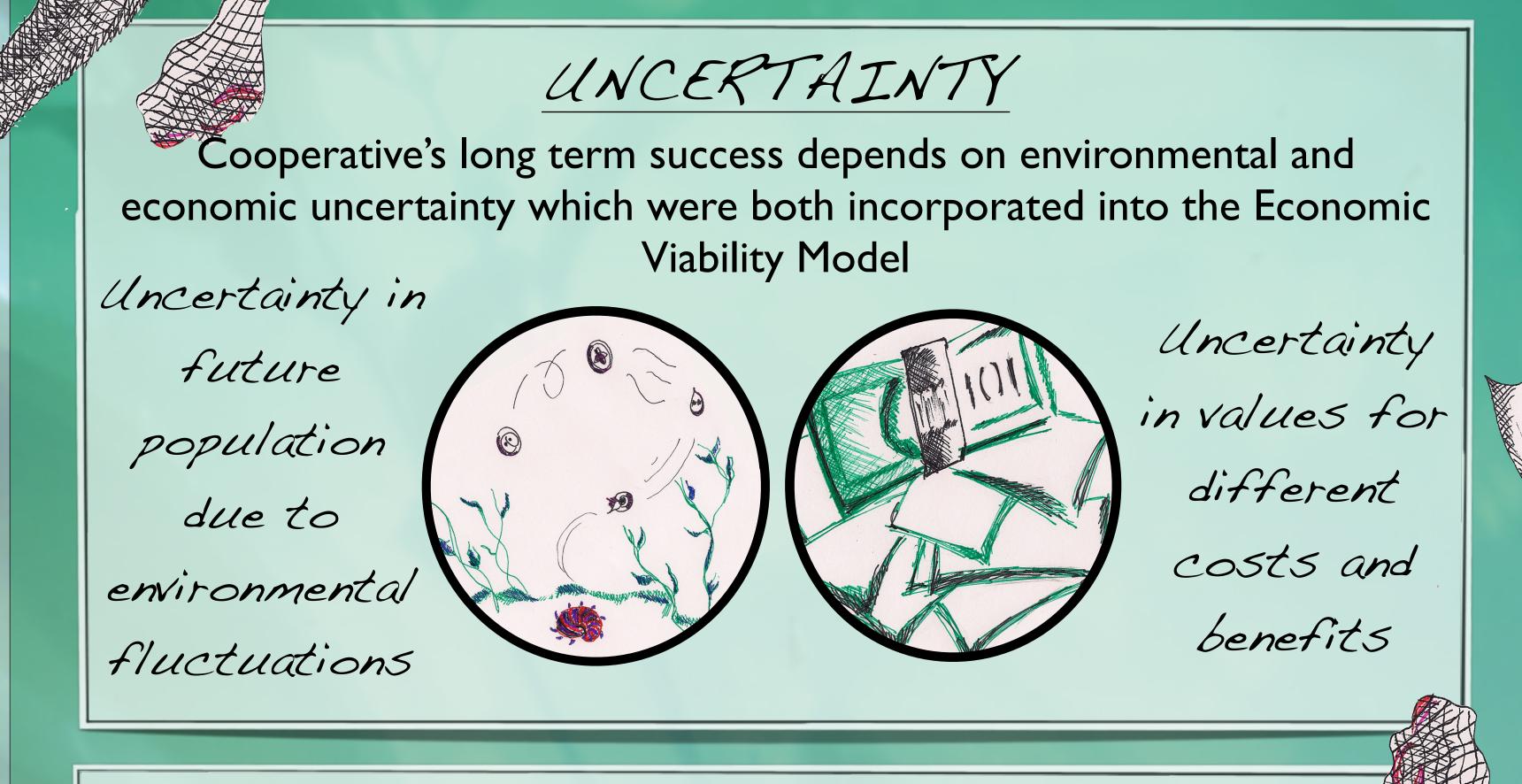
- *Examine cooperative's costs and benefits over 15 years
- *Incorporate environmental and economic uncertainty
- *Make recommendations for cooperative structure

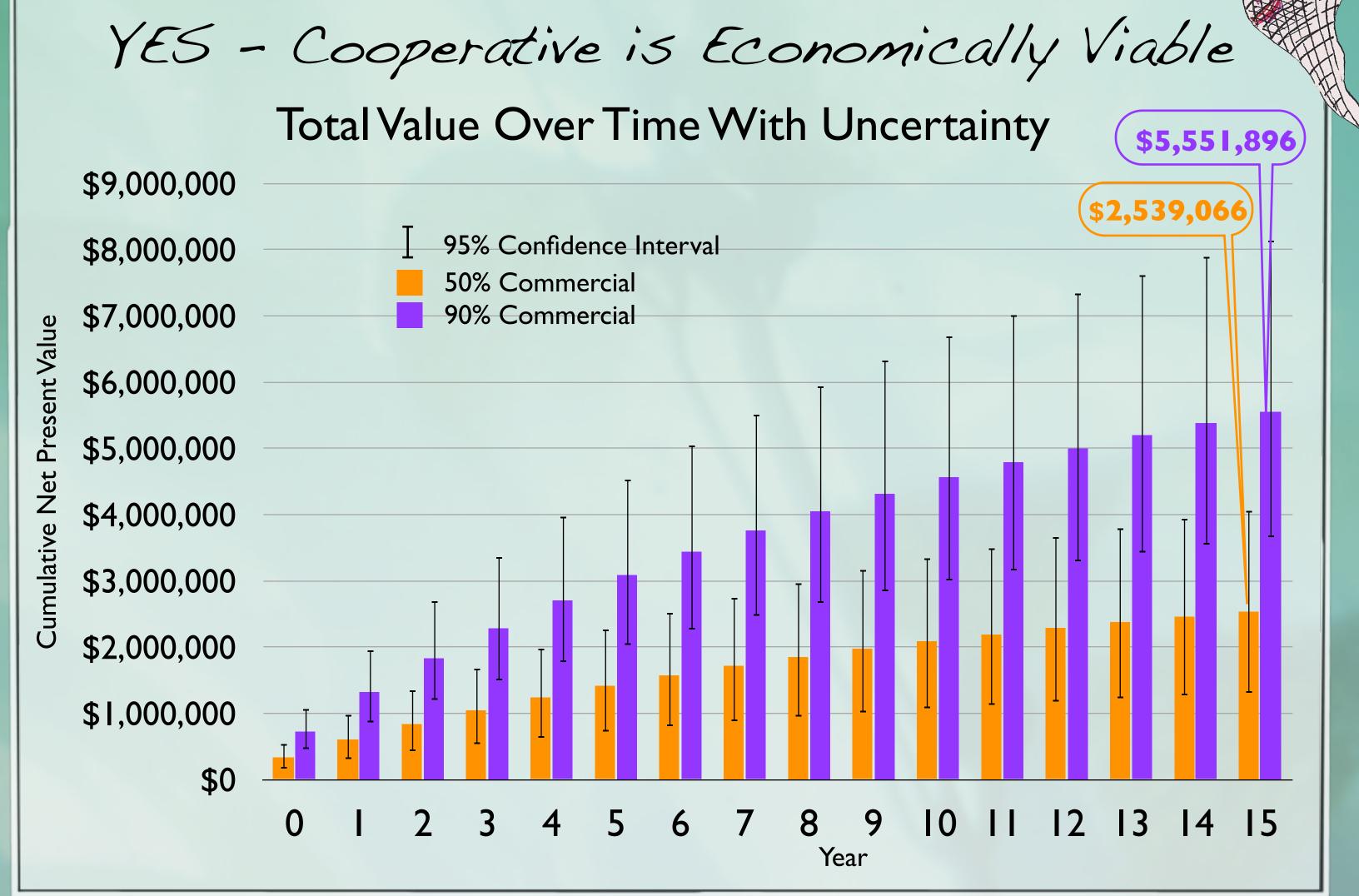






Long-term Results & Recommendations





There are other elements that will contribute to cooperative's success

- Closely monitor population and adjust harvest based on adaptive management approach
- * Cooperate with enforcement to minimize poaching
- * Spatially isolate recreational and commercial sectors
- * Collaborate with government and universities
- * Keep an open dialogue with community
- * Reduce membership size
- * Coordinate marketing

CONCLUSION

This CAA abalone cooperative is economically viable. Properly implemented, this could be a tool for sustainable management of California red abalone.



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