

Developing a spatially-explicit climate adaptation framework for estuarine ecosystems of the San Francisco Bay:

Climate Adaptation for Decision Support (CADS Phase 1)

Original funded project title: Structured-Decision Making for Climate Change Adaptation to Conserve San Francisco Bay Tidal Marsh Ecosystems

Final Report to the California Landscape Conservation Cooperative (funding agency for CADS Phase 1), and interim report to the US Fish & Wildlife Service National Wildlife Refuge System Inventory and Monitoring Initiative.

Suggested citation:

Mattsson, B.J., B. Huning, G. Block, K. Robinson, C. Sloop, and J. Cummings. 2015. Developing a spatially-explicit climate adaptation framework for estuarine ecosystems of the San Francisco Bay: Climate Adaptation for Decision Support. San Francisco Bay Joint Venture, Fairfax, CA.

CONCISE TABLE OF CONTENTS

Credits..... 2
Preface..... 15
How to use this report..... 16
Detailed summary 17
Chapter 1. Motivation for project 35
Chapter 2. Project orientation and stakeholder engagement 38
Chapter 3. Bayland wide products for subregional decision tools 48
Chapter 4. Additional details on developing Bayland wide products 71
Chapter 5. Subregional decision tools and management recommendations 109
Chapter 6. Comparison of subregional decision tools and recommendations 195
Chapter 7. Lessons learned from CADS process 214
Literature cited..... 228
Glossary of terms and abbreviations..... 230