









THE CENTRAL VALLEY HABITAT EXCHANGE: QUANTIFYING BENEFITS FOR MULTIPLE SPECIES

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TALK OUTLINE

- What is the Central Valley Habitat Exchange?
- What is the multispecies Habitat Quantification Tool?
- How does the HQT stand up to field testing?
- What lessons have we learned?







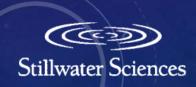




Program Area: California Central Valley

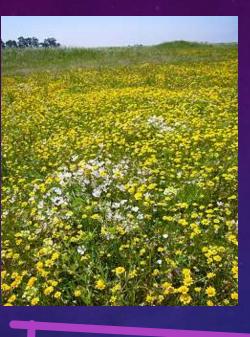
- 22,000 square miles
- ¼ of Nation's food
- \$17 billion in crop production
- Over 95% private lands





Can we re-integrate wildlife in the Central Valley?





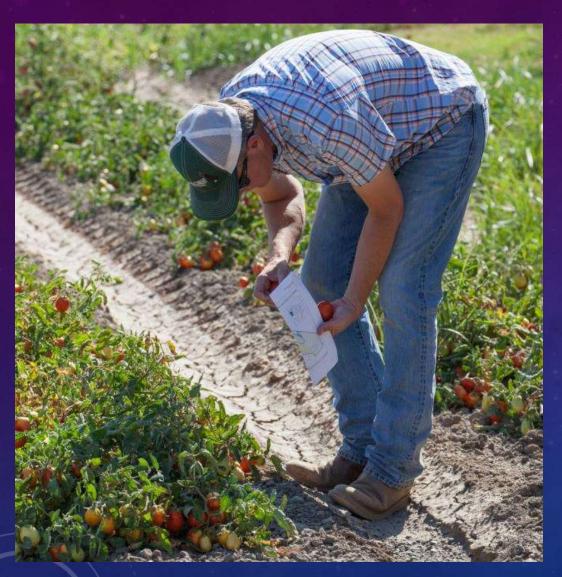








CENTRAL VALLEY HABITAT EXCHANGE



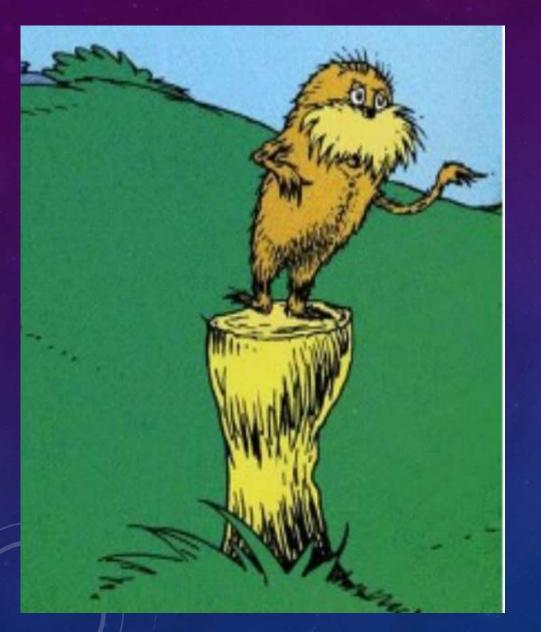
Exchange payment for high quality habitat

Regulatory and voluntary arenas

 Keeps agricultural land productive while increasing functional habitat



CENTRAL VALLEY HABITAT EXCHANGE



- Targets at-risk species
- Driven by species' direct needs

Includes one to multiple species



CENTRAL VALLEY HABITAT EXCHANGE





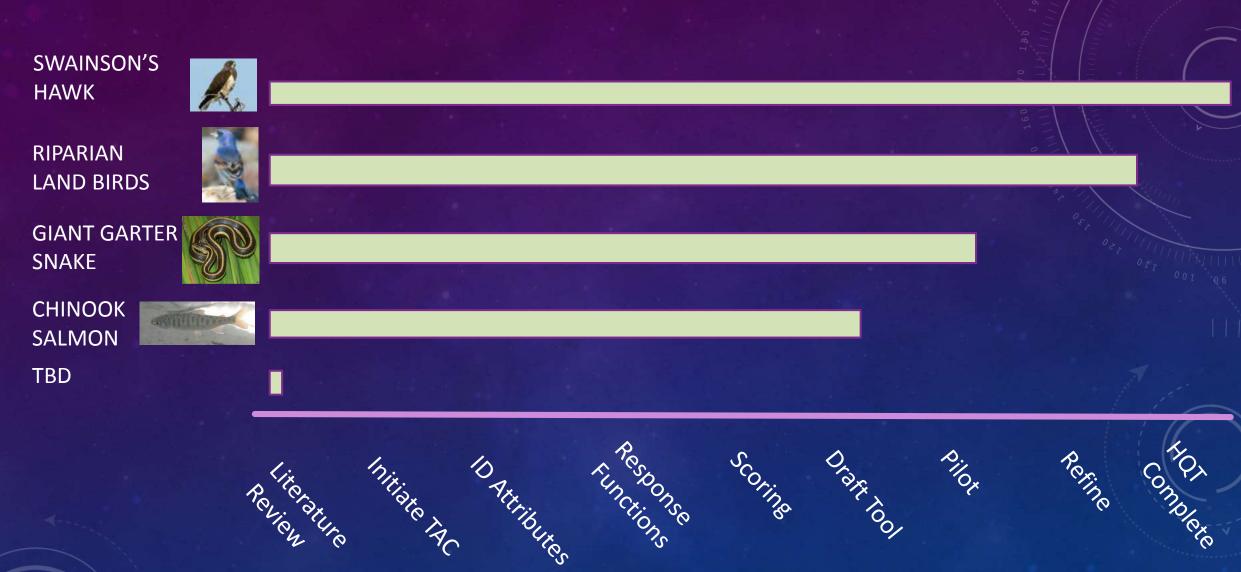








CVHE: TOOL DEVELOPMENT PROCESS

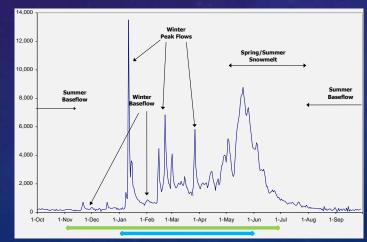


SCIENTIFIC DOCUMENTATION OF DECISIONS AND EVIDENCE

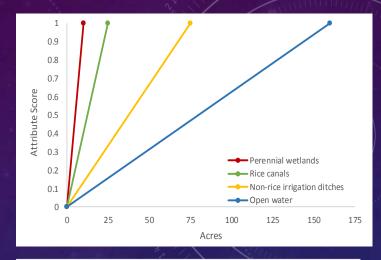
Work with Species Experts to Develop HQT

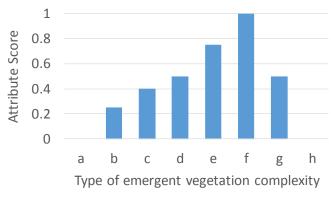
- Keep grounded in most up-to-date knowledge
- Document all of decision points for re-visitation
- Stick to principle of being true to species
- Simple is better unless justified

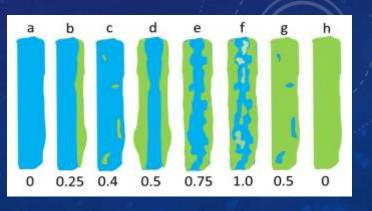












HQT Format: Flexible and Accessible

Excel

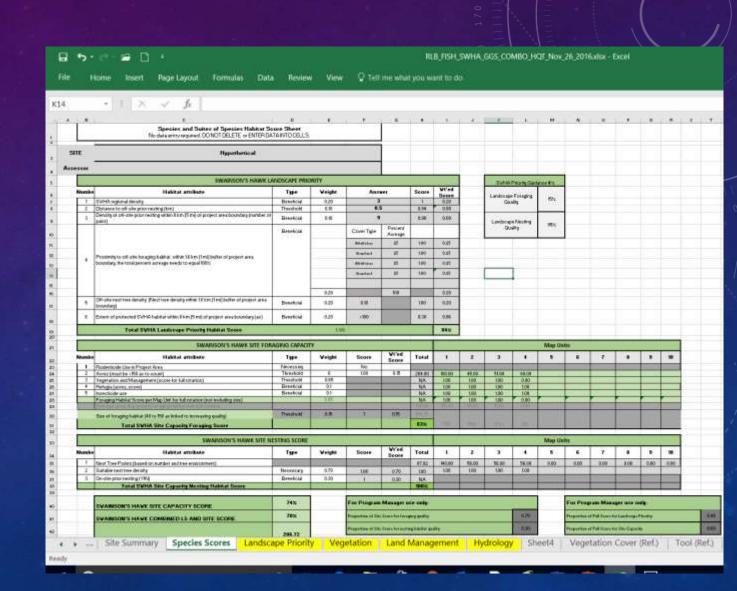
- Drop down enter menus
- Look up tables
- Roll-up tables and scores

Companion Spatial Mapping

ARC-GIS Or Google earth

Support Documents

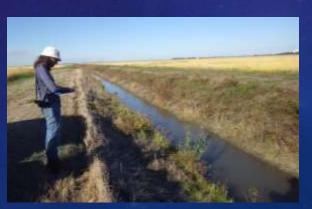
- Field Guidance
- Field Data Sheets
- Scientific Rationale Document



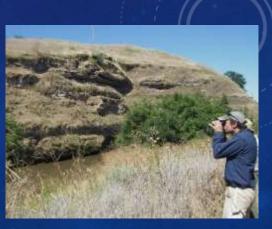
16 Pilot Site Studies to Date*

- Refine HQT, improve usability
- Learn more on habitat management
- Discover 'knots' that the Exchange can help unravel
- Discover new synergies with agricultural production
- Identify easy 'gives' from land owners that are large 'gets' for species









FIELD TEST RIPARIAN LAND BIRD HQT

















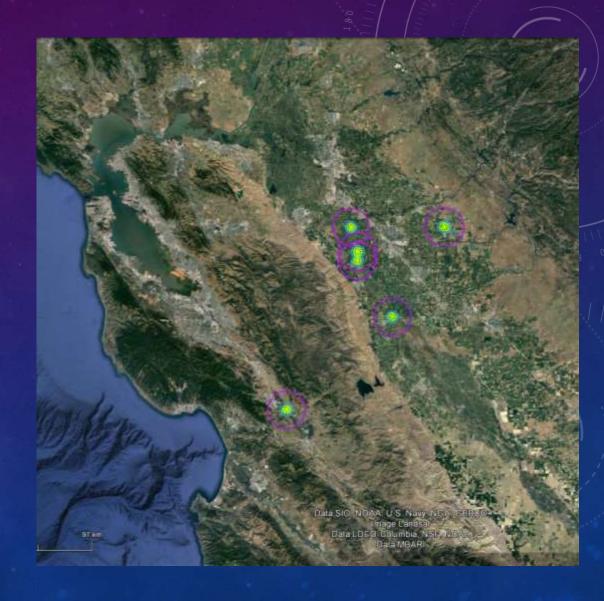
FIELD TEST RIPARIAN LAND BIRD HQT

12 Sites in Central Valley

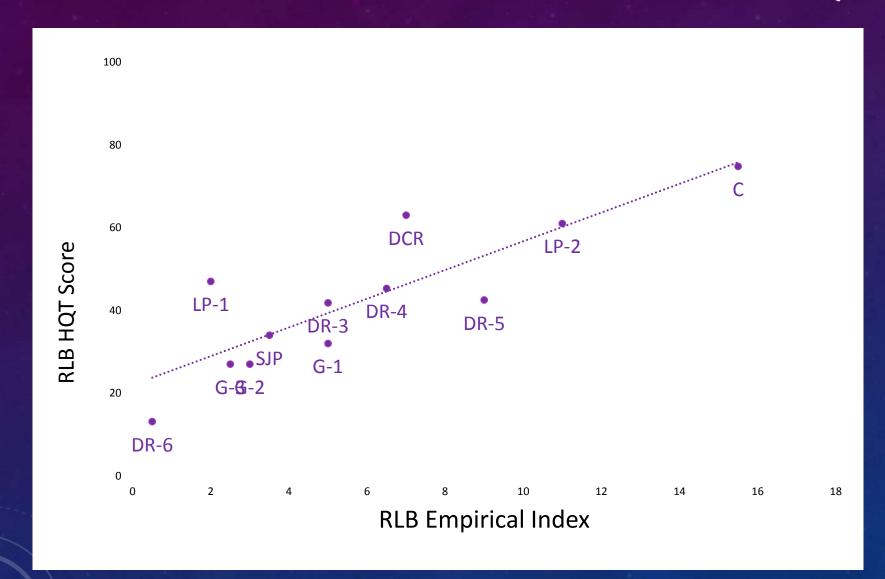
- Point Blue area search RLB surveys¹
- RLB index: species occurrence x strength of association with riparian vegetation²
- Stillwater HQT field and map data
- Complete RLB HQTs for each site







FIELD TEST RIPARIAN LAND BIRD HQT





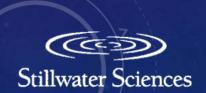


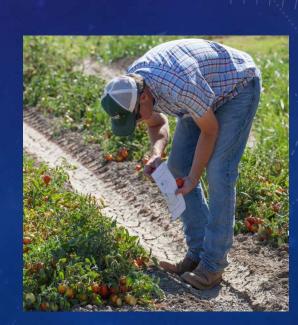


Central Valley Habitat Exchange: What have we learned?

Communicate

- Talk a lot with a lot of people!
- Present, discuss tool contents
- Diverse Audiences:
 - Land owners
 - Agency personnel
 - **Local Planners and Conservancies**
 - Wildlife and Restoration Scientists





Central Valley Habitat Exchange: What have we learned?

Be Transparent and Accessible

- Document your thinking and evidence
- Make tools accessible and easy to use
- Keep flexible to accommodate new needs







Central Valley Habitat Exchange: What have we learned?

Stand by the Species

- Enlist the best to advise for species
- Ingenuity is your friend
- Separate science from policy

