Status and Trends

• Phase 1 complete – program design document
  – Consistent with CARI

• CNRA, CDFG, SWRCB to develop implementation recommendations
  – Agency stewardship
  – Funding

• Explore coordination with NCCP/HCP

• Begin Phase 2 – October 2012
Results of Phase 1

• Which sampling method?
  – GRTS

• Whether to stratify?
  – Unstratified sampling

• What plot size?
  – 4km²
  – Cost analysis with sample size

• How many plots?
  – 1,000 – 3,000 depending on desired confidence levels

• Panel design for trends analysis?
  – Static panel design
Implementation White Paper

- Technical recommendations

- Relationship to various agency programs

- Funding → $200,000/year for 5 years
  - Plot reconnaissance
  - Mapping
  - Data management/QA
  - Groundtruthing
  - Program Administration
  - Reporting

- Implementation mechanisms

- Outreach
Phase 2 Tasks

1. Refine error analysis
2. Develop SOPs and DQO
3. Develop and test change assessment methodology
4. Conduct statewide sample draw
5. Perform pilot application of S&T using sample draw
Change Assessment

• Types of changes to evaluate:
  – Change in area by wetland type
  – Change in stream length by stream type
  – Change in stream area

• Specific change categories:
  – Wetland type to a different wetland type
  – Wetland/stream $\leftrightarrow$ open water
  – Wetland/stream $\leftrightarrow$ natural upland
  – Wetland/stream $\leftrightarrow$ developed
  – Wetland/stream $\leftrightarrow$ agriculture
Developed

Agriculture

Scrub-shrub

Wetland
Coordination Needs

• Implementation mechanisms & stewardship

• Coordination with agencies that track net wetland change

• Coordination with other L1 elements

• Data management and tracking
  – EcoAtlas, BIOS, etc.