

Toward an Integrated Monitoring Framework

Delta Stewardship Council Meeting
October 30, 2014

- Why is monitoring a key section in the Delta Science Plan?
- The two major kinds of monitoring activities
- What do data generated by individual project actions add up to?

Why Monitor?

- Check if permit conditions are met for a plan or project
- Check if anticipated outcomes are achieved
- If not, change management actions and check again

Plan vs. Project Monitoring

- Natural Communities Conservation Plans
 - County/City General Plans
 - CWA, Section 303(d) Implementation Plans
 - Species Recovery Plans
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- Levee maintenance mitigation
 - Stockton Ship Channel dredging mitigation
 - MacCormack-Williamson Tract restoration

Challenges to measuring
project, program, and policy effectiveness
(Cause —?→ Effect)
(Action —?→ Outcome)

- Degrees of separation phenomenon
- Complicating effects of integrating all inputs
- Outcome Level is defined by:
 - Type of management action being measured
 - Power of action (signal to noise ratio)

Assessment Outcome Levels

