Napa River Sediment TMDL Implementation Tracking and Accounting System (ITAS)
Project Overview
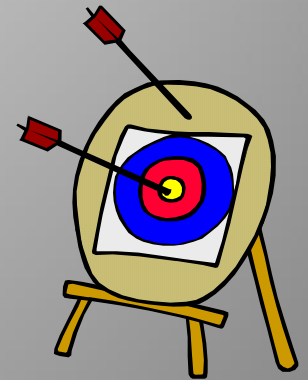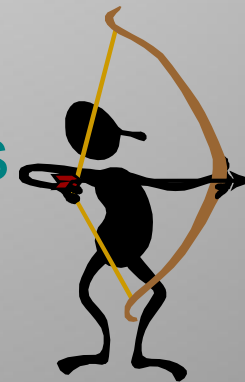
Watershed Information Center
& Conservancy (WICC) Board
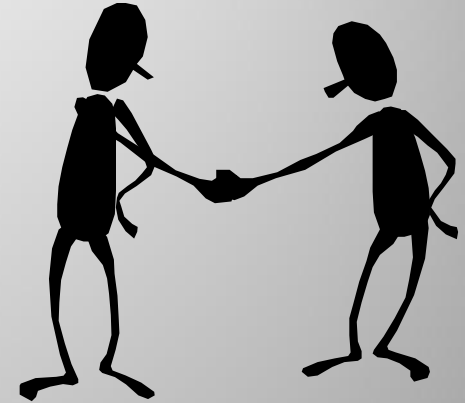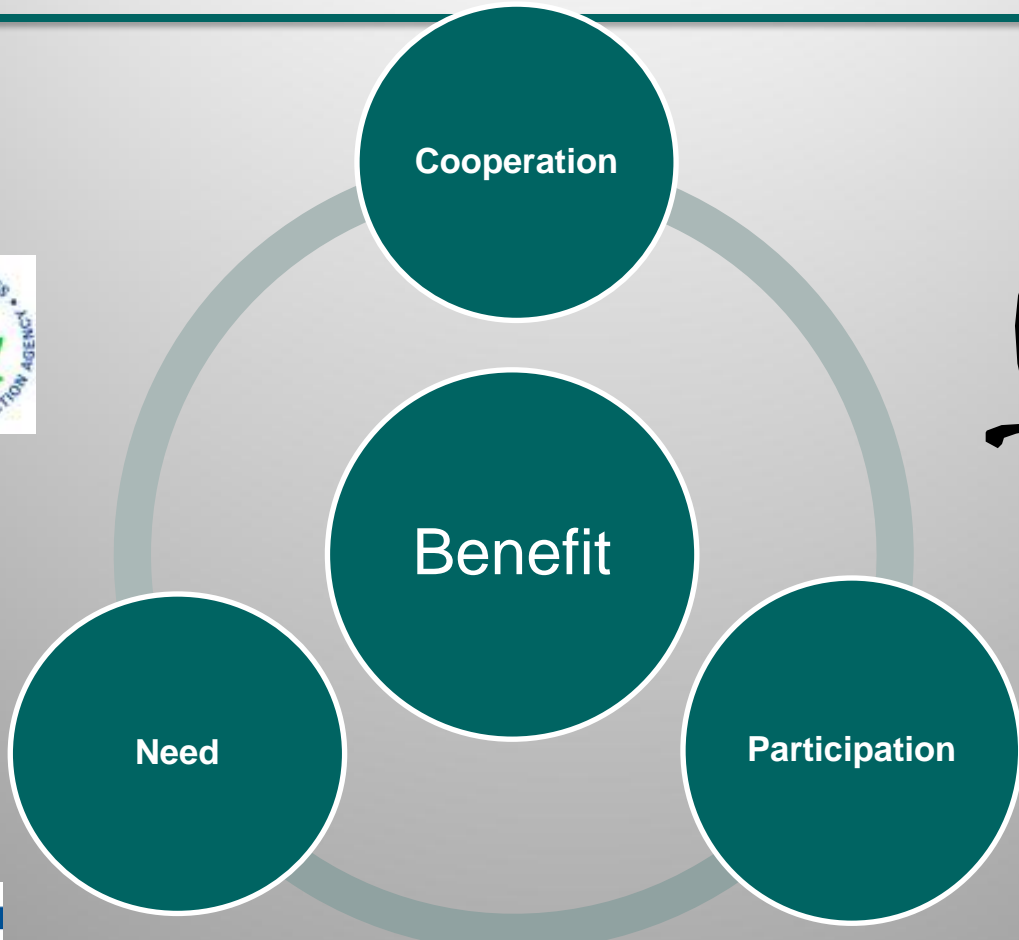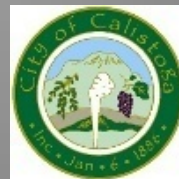of Napa County
March 28, 2013

Presentation Goals

➢ Create awareness of the Napa ITAS effort

➢ Provide project overview and status update

➢ Encourage participation

➢ Outline timeline & next steps

Need, Cooperation, Participation & Benefit

Napa River Sediment TMDL

➢ Background: *Napa River Sediment Reduction and Habitat Enhancement Plan (2009)*

- <u>Problem</u>: beneficial uses (primarily fish) adversely affected by excess sediment (1990 listing)

- <u>Sources</u>: vineyards, grazing, rural roads/lands, parks & public works

- <u>Targets</u>: spawning gravel permeability, streambed scour

- <u>Allocation</u>:   natural processes, human actions [channel incision, roads, surface erosion, gullies, urban storm/wastewater]

- <u>Implementation Plan</u>: listing of actions and performance standards

Napa ITAS Project Overview

Demonstrating progress towards achieving the goals and objectives of the *Napa River Sediment Reduction and Habitat Enhancement Plan*

➢ Identification of meaningful metrics

➢ Prioritization and selection of metrics

➢ Development of the ITAS web based system

➢ Create effective means of accounting and reporting

➢ Stakeholder engagement and participation

Napa ITAS System

A centralized, web based, GIS tool for the tracking and accounting of the progress being made to meet objectives in the *Napa River Sediment Reduction and Habitat Enhancement Plan*

- ➢ Data Management Module

- ➢ Management Progress Reporting

- ➢ Public Module

- ➢ Integration with WICC web presence

Napa ITAS - Management

➢ **Data Management Module**
- ✓ Data view for snap shot of progress
- ✓ Tracking at the metric, BMP, project, and milestone level
- ✓ Data entry module to accommodate batch and manual data loading
- ✓ Qualitative and quantitative data

➢ **Management Progress Reporting**
- ✓ Fully integrated and automated
- ✓ Real time reporting

Napa ITAS System - Public

➢ Public Module

- ✓ Fully integrated display of real-time data
- ✓ Spatial display of data
- ✓ Visual tracking progress across key metrics
- ✓ Transparent access to progress accounting
- ✓ Centralized communication and outreach mechanism
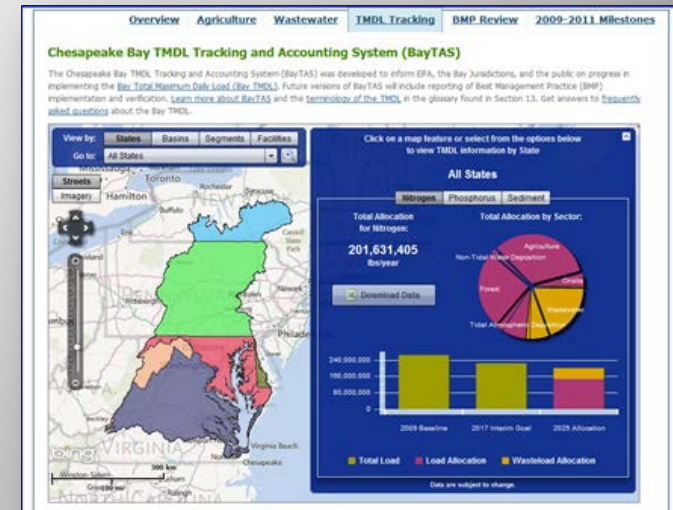
➢ Integration with Watershed Information Center & Conservancy (WICC) website

- ✓ Consistent and locally familiar platform
- ✓ Integration with WICC project database

WICC

www.napawatersheds.org

Napa ITAS - Benefits

➢ Demonstration of Effort & Progress

➢ Improved Tracking & Reporting

➢ Coordinated Monitoring

➢ More Informed Decisions

➢ Shared Communication & Outreach

➢ Increased Transparency & Awareness
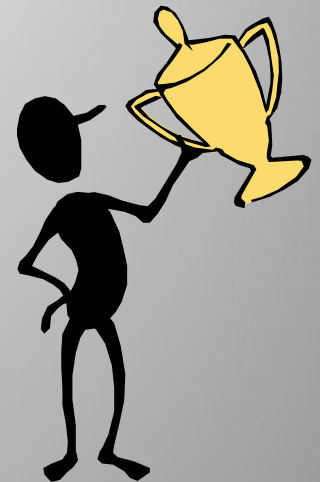
Napa ITAS - Stakeholders

Cooperation and Participation – Key to Success

- Technical – Advisory – Expert – Practitioner

  - ✓ Review of Metrics
  - ✓ Provide Data
  - ✓ Test Web Tool
  - ✓ Implement Actions
  - ✓ Contribute to the ITAS
  - ✓ Report on Efforts
 - ✓ Monitor and Report Results

Status – Metric Selection

➤ Identification of candidate metrics
- ✓ Tracking vs. Accounting

➤ Prioritization and selection of metrics:
- ✓ link to progress toward Napa TMDL targets
- ✓ information/data availability
- ✓ adequate spatial and temporal scale
- ✓ Advantages/challenges of each

➤ Facilitate discussions with key stakeholders to identify data and finalize metric selection

➤ Identification of the tracking boundaries and scale
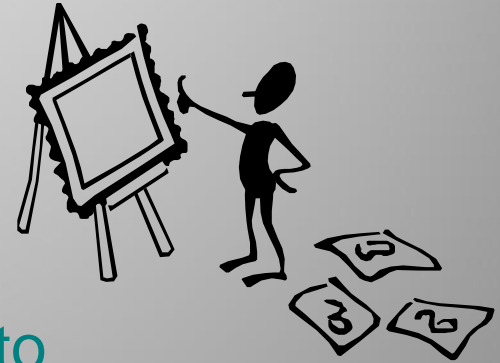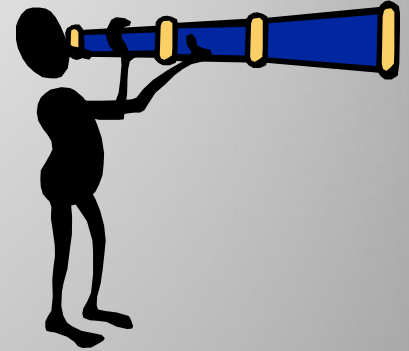
Status – Candidate Metrics

Candidate Metric List

➢ Activity/BMP Tracking

➢ Road Condition Assessment

➢ Bank Erosion

➢ Stream Habitat Assessment

➢ Fisheries Monitoring

Status – Next Steps

➢ Data Collection

➢ Determining Reporting Unit

➢ Overall Timeline

- Identify Metrics/Collect Data: Now – Fall/Winter 2013
- Follow-up TAC Mtg #2:   Fall 2013
- Beta Website/Mapping Developed: Winter 2013
- End of Project/Grant: June 2014

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Discussion

Metrics

Data Needs

Challenges

Coordination

Communication & Outreach

Benefits