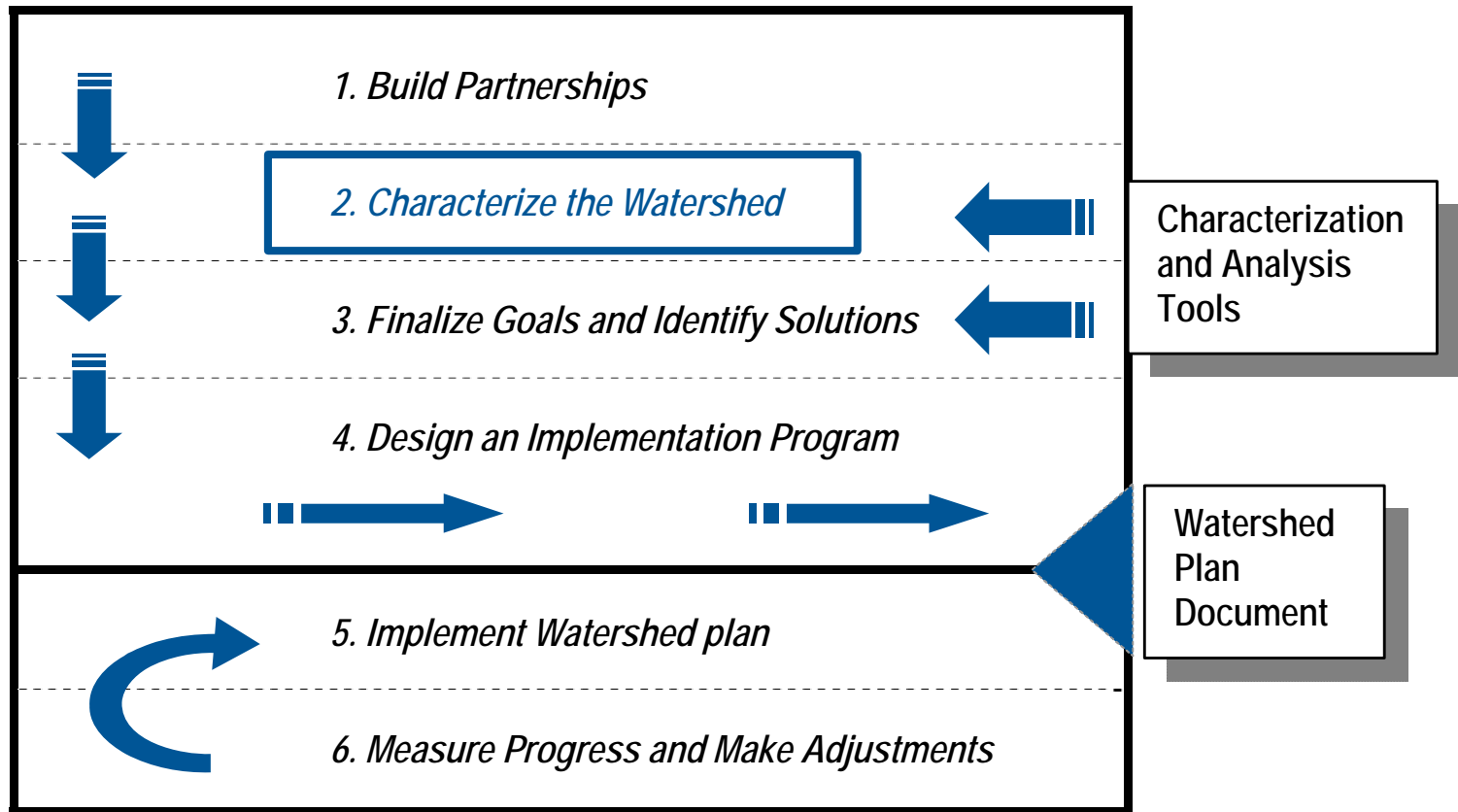


Agua Hedionda Watershed Management Plan Watershed Planning Group Meeting

July 10th, 2007

1:00 – 3:00 pm

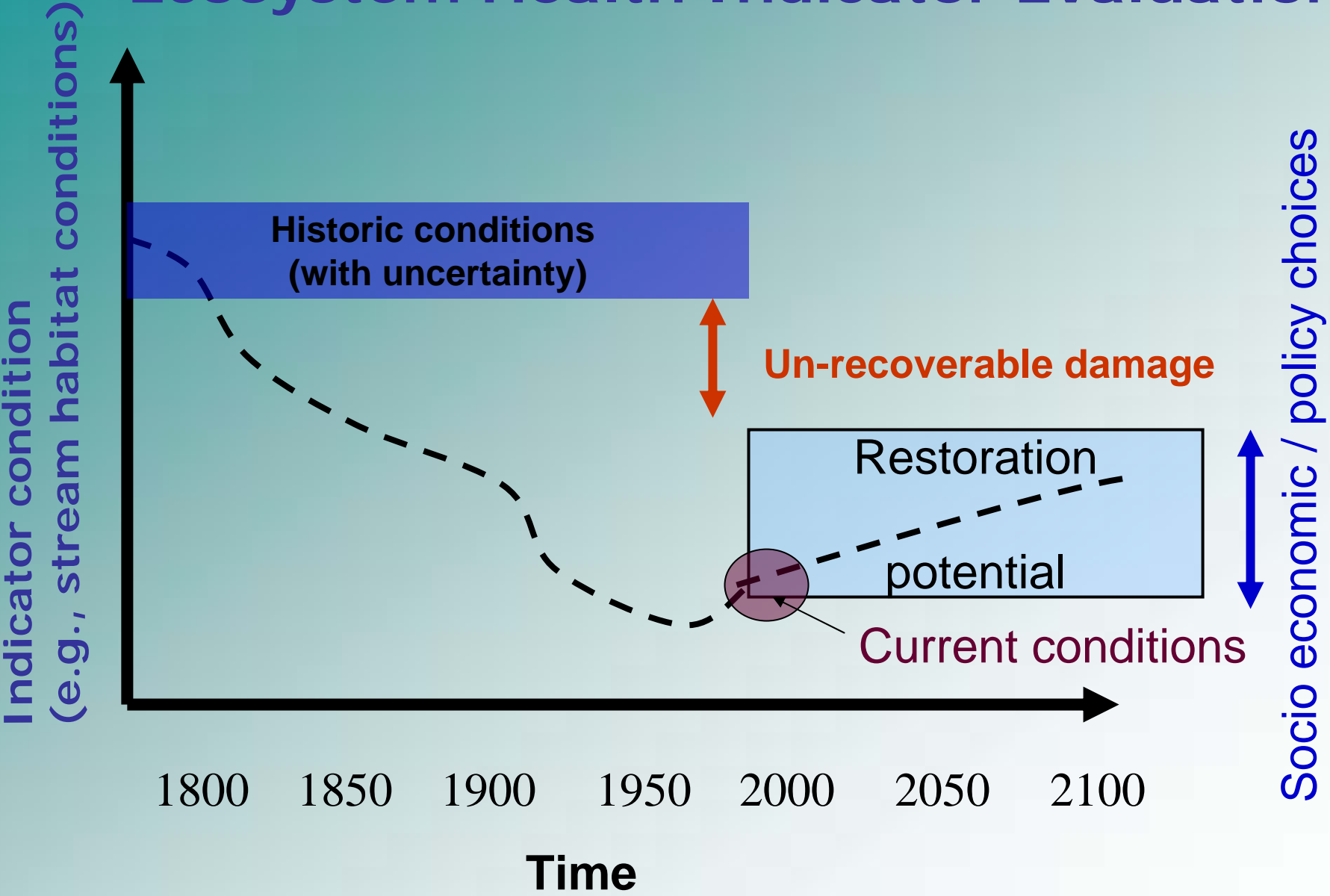
Steps in the Watershed Planning and Implementation Process



Characterize the Watershed (Task 2.2)

- **Collect existing data and create a watershed inventory**
- **Analyze data**
- **Identify causes and sources of pollution that need to be controlled**
- **Evaluate physical conditions impacting ecosystem integrity**
- **Identify data gaps and collect additional data if needed**
- **Quantify pollutant loads for TMDL component**

Ecosystem Health Indicator Evaluation



WATERSHED STEWARDSHIP ASSESSMENT INDICATORS

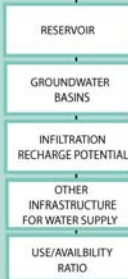
Historical, Existing and Projected Land Use Patterns



Hydrology and Geomorphology



Water Supply



Flood Protection



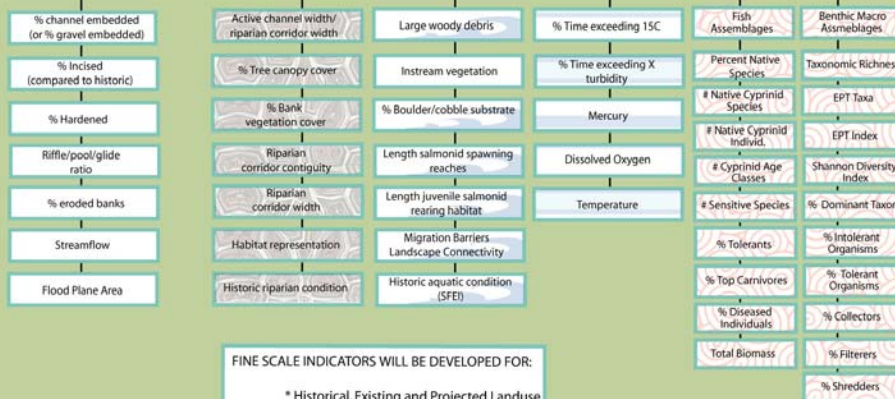
Watershed Health



Open Space and Trails



COARSE SCALE INDICATORS



FINE SCALE INDICATORS WILL BE DEVELOPED FOR:

- * Historical, Existing and Projected Landuse Patterns
- * Water Supply
- * Flood Protection
- * Open Space & Trails.

Example Watershed Indicators

Draft

FINE SCALE INDICATORS

Geographic Information Systems

- Impervious Surfaces
- Land use & Zoning
- Open space & parks
- Modified Montgomery Buffington
- Vegetation/habitat types
- Riparian characterization
- Invasive species distribution
- Others?

Water Quality Data

- Simple statistical analysis of existing data
- Comparison to Basin Plan Water Quality Objectives
- Regression analysis with various watershed & water quality factors.
- Nutrient numeric endpoints analysis
- Initial Beneficial Use risk assessment

Stream & Watershed Surveys

- Stakeholder assisted
- Adapted from Center for Watershed Protection- Unified Watershed Assessment Protocols
- Characterize stream reach and sub-watershed conditions.
- Supports project identification

USA Field Sheet Database



CWP UWA Data Fields (ACCESS DB)

- **Photographic Inventory**
- **Stormwater Outfalls**
- **Severe Bank Erosion**
- **Impacted Buffer**
- **Stream Crossing**
- **Trash and Debris**
- **Trail Potential**
- **Reach Summary – riparian; channel; aquatic habitat**

Project Identification & Selection

- Feasibility
- Funding Potential
- Cost Effectiveness
- Precedent/Model
- Multiple-Objective Partners
- Enhancement of Watershed Objectives

Next Steps for Watershed Characterization

- Compile and evaluate existing data
- Prioritize and select stream reach / sub-watershed survey targets
- Adapt data collection protocol to Agua Hedionda objectives
- Conduct pilot survey with stakeholders
- Conduct watershed / stream surveys
- Compile survey data into ACCESS