

Sacramento River Watershed Program

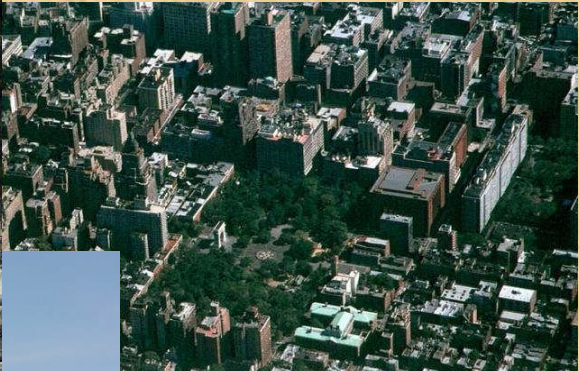
Technical Assistance Workshop Series

***A Project of the
Statewide Watershed Program***

Statewide 2012 - 2014

December 14, 2011

SRWP Annual Meeting



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SRWP Annual Meeting

Sacramento River Watershed Program

Technical Assistance Workshop Series

21 Workshops to be held Statewide:

- *Watershed Management (7)*
- *Watershed Restoration (7)*
- *Watershed Monitoring (7)*

Plus. . . .

- *Watershed Information Center*
- *Two Annual Watershed Forums*

Workshop #1

Watershed Planning and Management

The two-day Watershed Planning and Management Workshop will include the following topics:

- **Principles of Watershed Management**
- **Building (or Re-Invigorating) Local Watershed Management**
- **Watershed Planning and Implementation**
- **Watershed Assessment**
- **Public Outreach Campaigns**
- **Resource Development**

Workshop #1

Watershed Planning and Management

The two-day Watershed Planning and Management Workshop will include the following topics:

Principles of Watershed Management

- Socio-ecological systems***
- Watershed processes***
- Watershed ecosystem services***

Basic Dynamic Elements

Each must be considered in context with the others

Economics

- *Markets*
- *Incentives*
- *Intrinsic values*
- *Commerce*
- *Agricultural production*

Ecological

- *Terrestrial habitats*
- *Aquatic habitats*
- *Biodiversity*
- *Successional systems*

Physical

- *Hydrology*
- *Geology*
- *Chemistry*

Social

- *Culture*
- *Regulation*
- *History*
- *Arts*



Workshop #1

Watershed Planning and Management

The two-day Watershed Planning and Management Workshop will include the following topics:

Building Local Watershed Management

- Stakeholder involvement***
- Strategic planning***
- Defining (redefining) vision, mission, goals and desired outcomes***
- Conducting effective meetings and facilitation skill building***
- Integrating IRWM, TMDL, general plans, regional transportation plans, and other land and water management plans with local management decisions and actions***

Workshop #1

Watershed Planning and Management

The two-day Watershed Planning and Management Workshop will include the following topics:

Watershed Planning and Implementation

- Identifying and involving stakeholders in building partnerships***
- Defining proper scope and scales, and identifying key issues within them***
- Defining goals and objectives***
- Identifying possible management strategies***
- Designing implementation plans***
- Evaluation and adaptive management concepts***

Workshop #1

Watershed Planning and Management

The two-day Watershed Planning and Management Workshop will include the following topics:

Watershed Assessment

- Structuring a watershed assessment***
- Introduction to collecting, managing and analyzing data in a context***
- Turning data into information by applying it in a logical implementation plan***

Workshop #1

Watershed Planning and Management

The two-day Watershed Planning and Management Workshop will include the following topics:

Public Outreach

- Identifying stakeholders and interests***
- Generating insightful and useful messages***
- Delivering the messages and establishing feedback loops***
- Implementing information transfer and exchange***
- Evaluating the effectiveness of community outreach***

Workshop #1

Watershed Planning and Management

The two-day Watershed Planning and Management Workshop will include the following topics:

Resource Development

- Developing a Support Strategy based on the described management plan***
- Clarifying the connections among watershed services and stakeholder interests***
- Identifying and linking with potential partners***
- Funding ideas***

Workshop #2 **Watershed Restoration**

The two-day Watershed Restoration Workshop will include the following topics:

- **Restoration Techniques**
- **Environmental Compliance and Monitoring**

Workshop #2

Watershed Restoration

The two-day Watershed Restoration Workshop will include the following topics:

Restoration Techniques

- Restoration principles and practices (restoration of what to what)**
- Finding the appropriate scales - time, area, included issues, and included interests**
- Finding new opportunities to enhance watershed restoration and management, such as land-use and transportation planning**
- Case studies**

Workshop #2 **Watershed Restoration**

The two-day Watershed Restoration Workshop will include the following topics:

Environmental Compliance and Monitoring

- Overview of Federal, State and Local environmental requirements at multiple scale restoration activities**
- Strategies to comply with permitting and reporting processes more effectively and efficiently**
- Special watershed and site restoration case studies**

Workshop #3

Watershed Monitoring and Assessment Reporting

The two-day Watershed Monitoring and Assessment Reporting

Workshop will include the following topics:

- **Designing and Maintaining a Watershed Monitoring Program**
- **Indicator and Assessment Report Development**

Workshop #3

Watershed Monitoring and Assessment Reporting

The two-day Watershed Monitoring and Assessment Reporting

Workshop will include the following topics:

Designing and Maintaining a Watershed Monitoring Program

- Elements of a monitoring program**
- Overview of quality assurance and quality control**
- Data management and analysis (turning data into information)**
- Communicating data and findings to users**
- Adaptively managing a monitoring program**
- Interfacing with other data generation and analysis programs**
- Using physical and biotic indices, water quality, and spatial datasets**

Workshop #3

Watershed Monitoring and Assessment Reporting

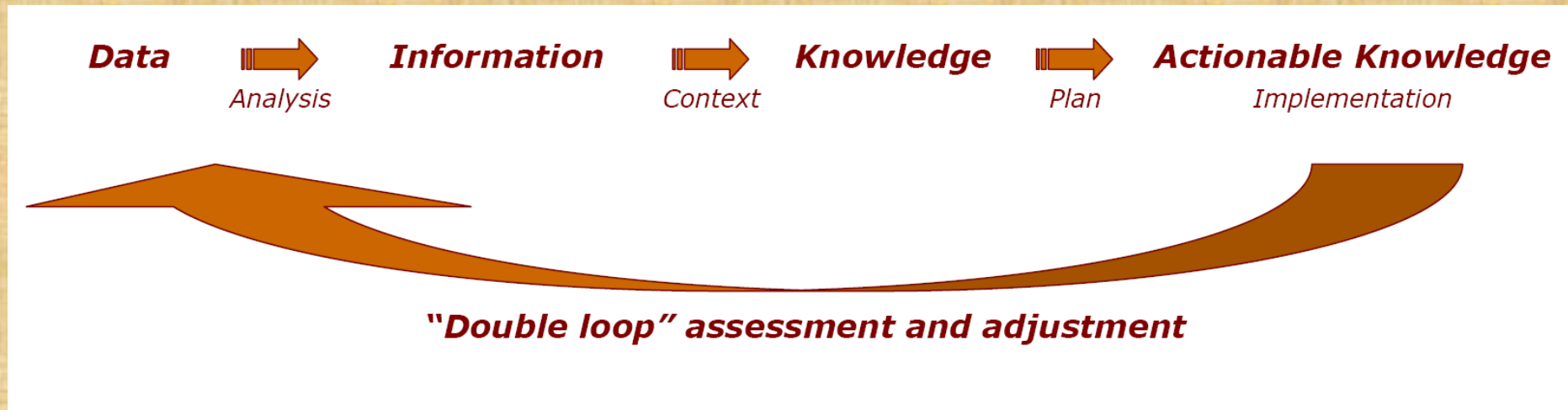
The two-day Watershed Monitoring and Assessment Reporting

Workshop will include the following topics:

Indicator and Assessment Report Development

- Identifying likely users and uses of the information**
- Identifying most effective forms, formats and distribution means**
- Establishing feedback loops to monitor the level and effectiveness of use**
- Collecting, analyzing, and managing data**
- Status and trends analysis**
- Interpreting and sharing results**
- Interfacing with regulatory and other programs**

Program Flow



Conclusion Based Inquiry generates and analyzes data, turning it into information.

Decision Based Inquiry applies the information in a context, generating knowledge that, when used to plan and design, becomes actionable knowledge used to implement programs, policies and actions

The results of those actions can then be monitored and analyzed through *Conclusion Based Inquiry*, completing the loop that informs Adaptive Management decisions from those involved in *Decision Based Inquiry*.

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Training Workshop Series

Ideas?

- Venues
- Topics
- Case examples



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