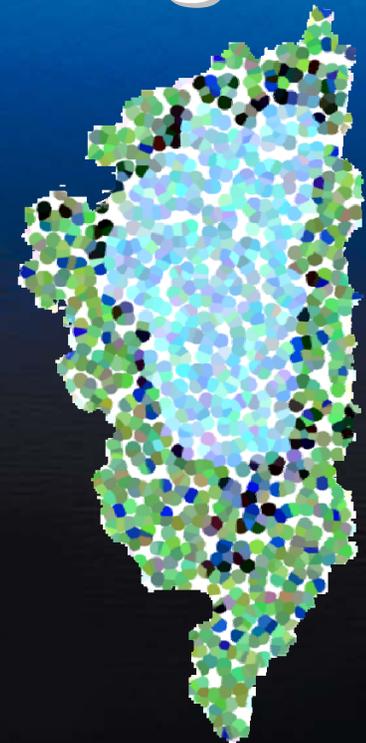


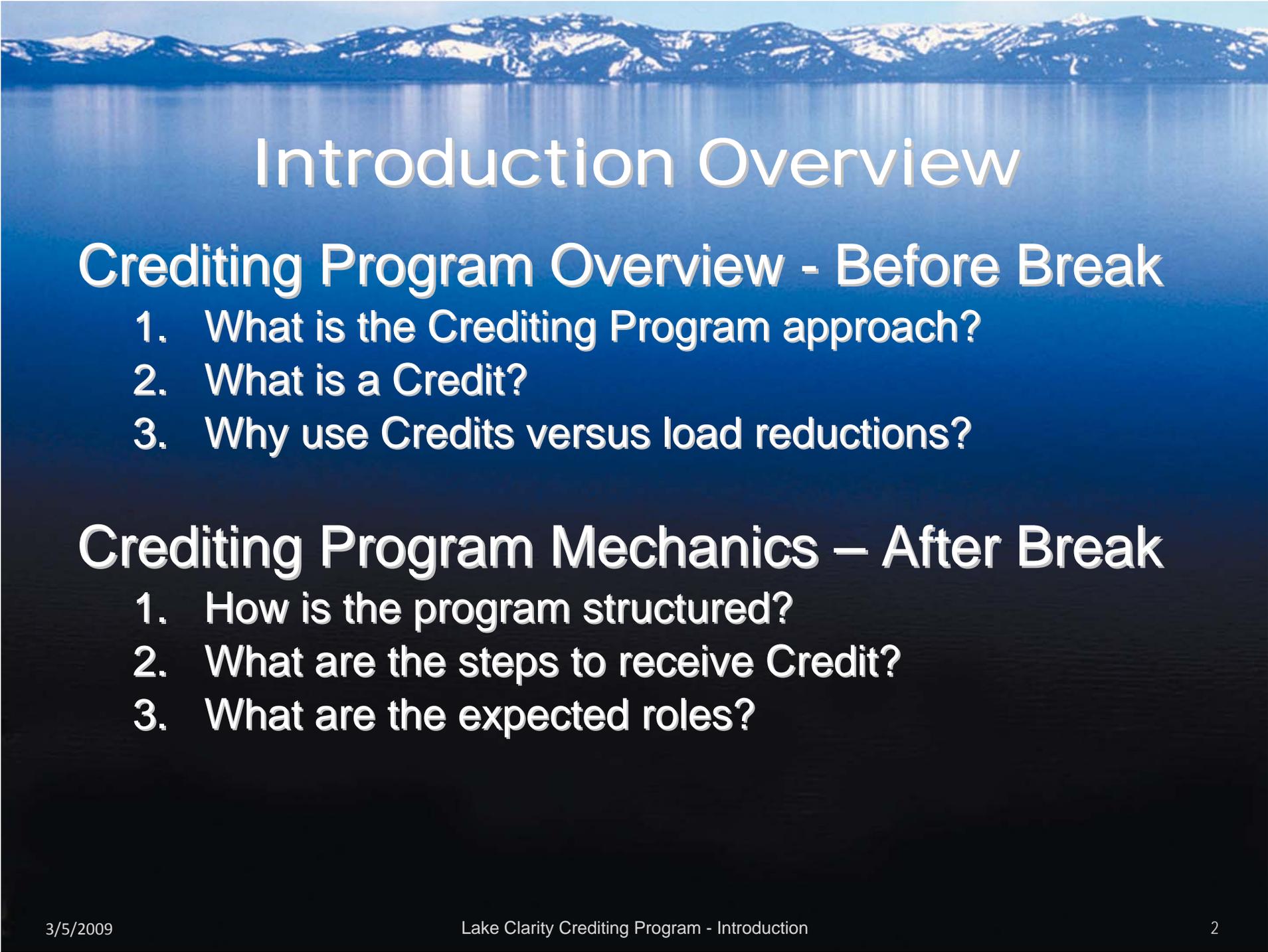


Lake Tahoe Lake Clarity Crediting Program

Introduction

March 5, 2009





Introduction Overview

Crediting Program Overview - Before Break

1. What is the Crediting Program approach?
2. What is a Credit?
3. Why use Credits versus load reductions?

Crediting Program Mechanics – After Break

1. How is the program structured?
2. What are the steps to receive Credit?
3. What are the expected roles?



Program Approach

Motivate Effective Actions

- **Flexibility to focus on effectiveness**
- **Any action can receive Credit**
 - Water quality improvement projects
 - Operational activities
 - Ordinances & programs
 - Innovative practices & alternative actions
- **Credit awards based on ongoing implementation**



Program Approach

Motivate Effective Actions

- **Share risk of uncertainty & provide near-term regulator stability**
 - Mass to particle conversion
 - Load reduction estimation protocols
 - Average annual loading
- **Incentivize innovation**
- **Enable program adjustments & incorporate new science**



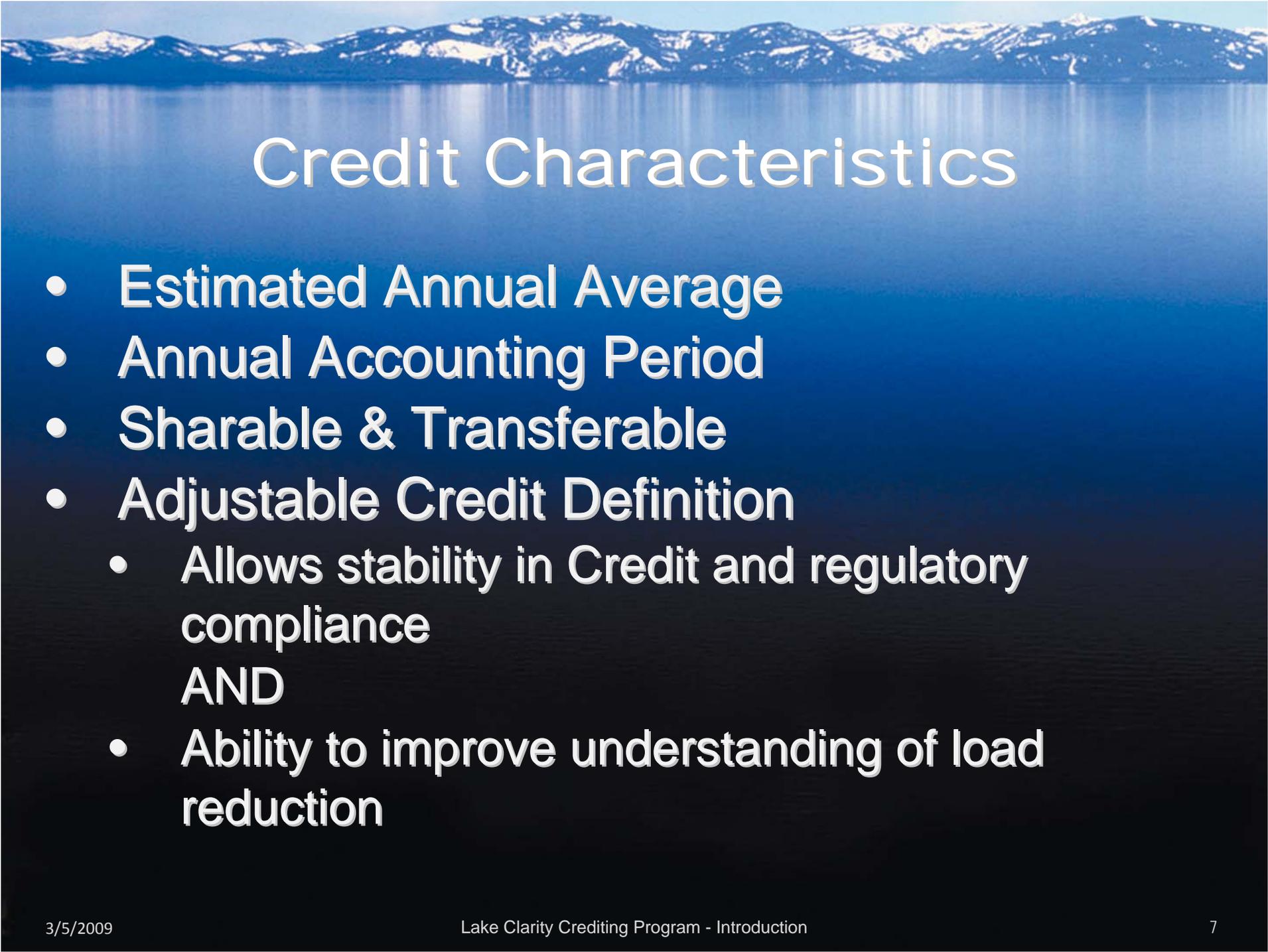
Lake Clarity Credit

- Lake Clarity Credit relationship between estimated average annual load reductions of
 - Fine sediment particles
 - Nitrogen
 - Phosphorus
- Initially fine sediment particles only
 - Estimate, track & report N & P load reductions



Lake Clarity Credit

- 1 Credit is 1.0×10^{16} fine sediment particles <16 micron diameter
- Approximately
 - 200 lbs
 - 1 $\frac{1}{4}$ cubic feet brick

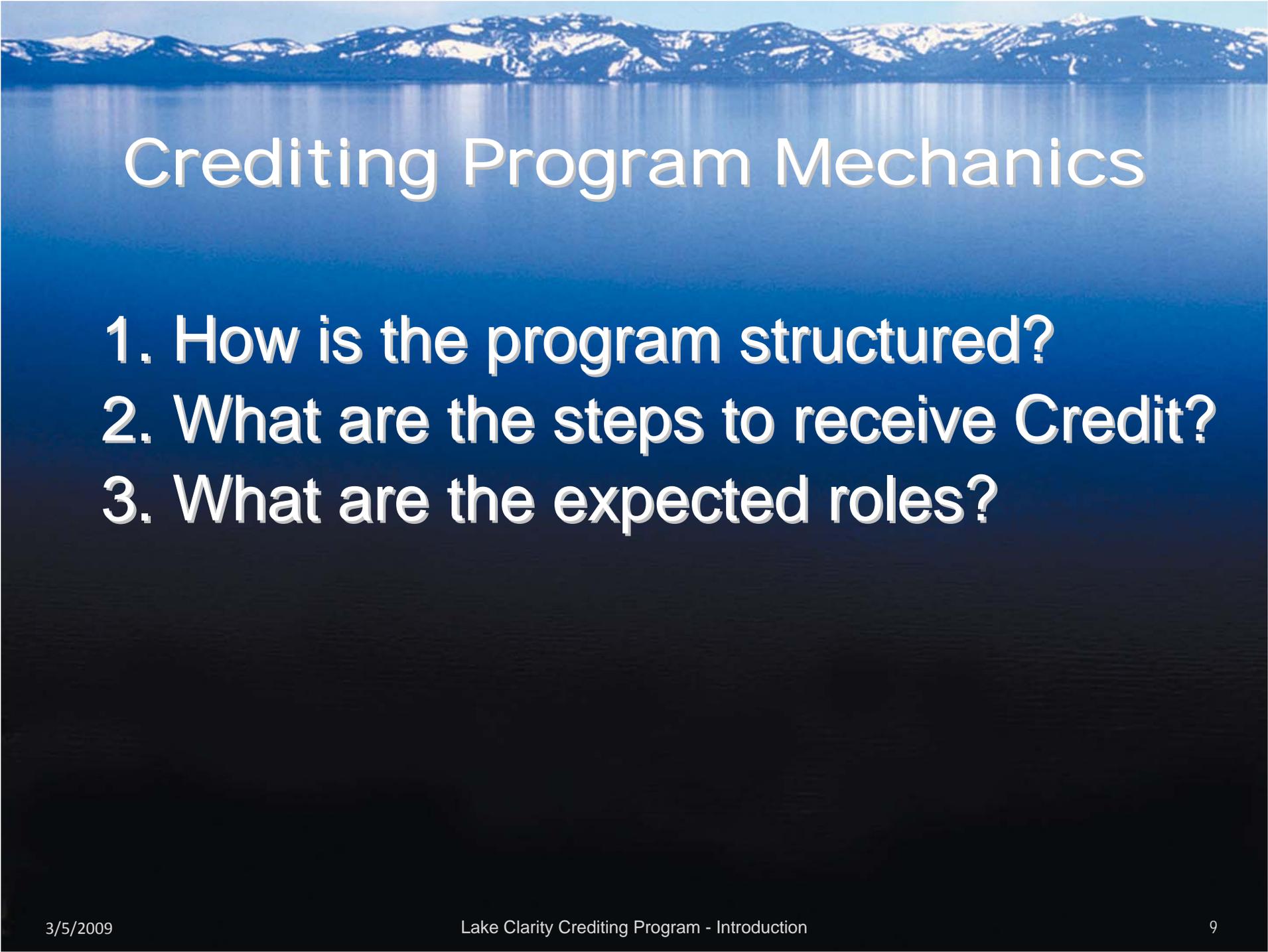


Credit Characteristics

- Estimated Annual Average
- Annual Accounting Period
- Sharable & Transferable
- Adjustable Credit Definition
 - Allows stability in Credit and regulatory compliance
 - AND
 - Ability to improve understanding of load reduction



BREAK



Crediting Program Mechanics

1. How is the program structured?
2. What are the steps to receive Credit?
3. What are the expected roles?

Crediting Program Processes

**Initiate Action &
Establish Credit
Schedule**

Only when initiating
new or changed
actions

**Implement Actions &
Award Credit**

Annually

**Manage & Adjust
Program**

Annually

Initiate Actions & Establish Credit Schedule

Initiate Action & Establish Credit Schedule

Implement Actions & Award Credit

Manage & Adjust Program

Plan & Prioritize

Estimate Load Reductions

Approve Initial Credit Schedule

Initiate Actions

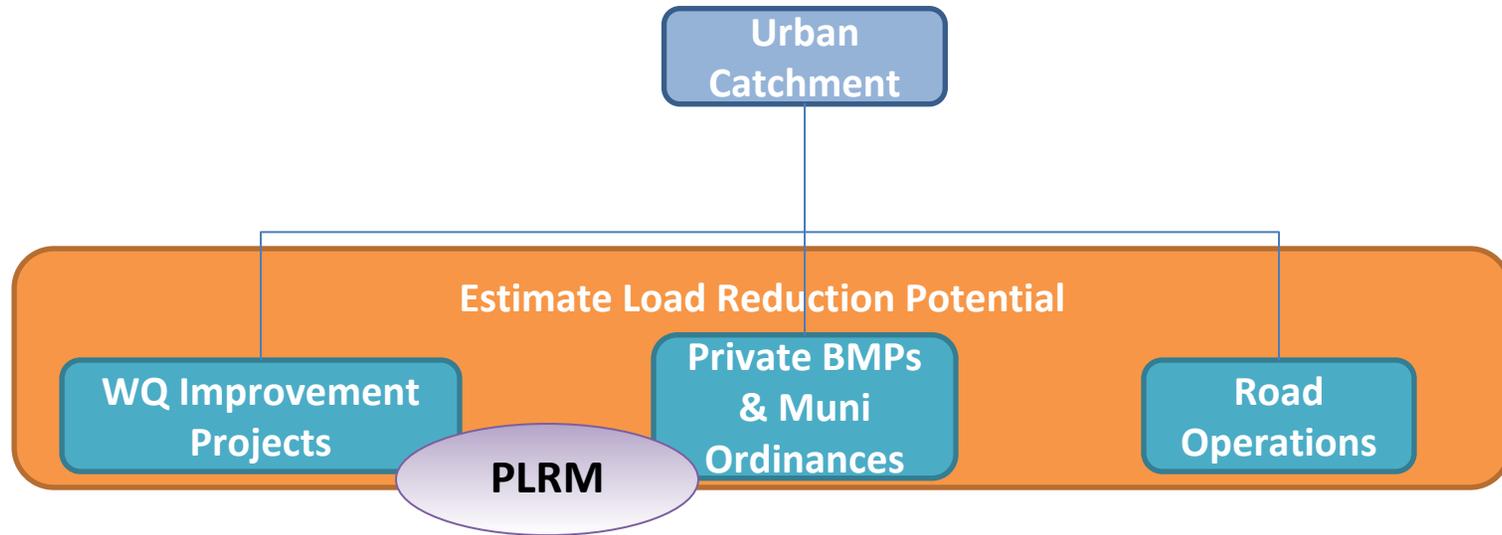
Revise Load Reduction Estimates

Verify

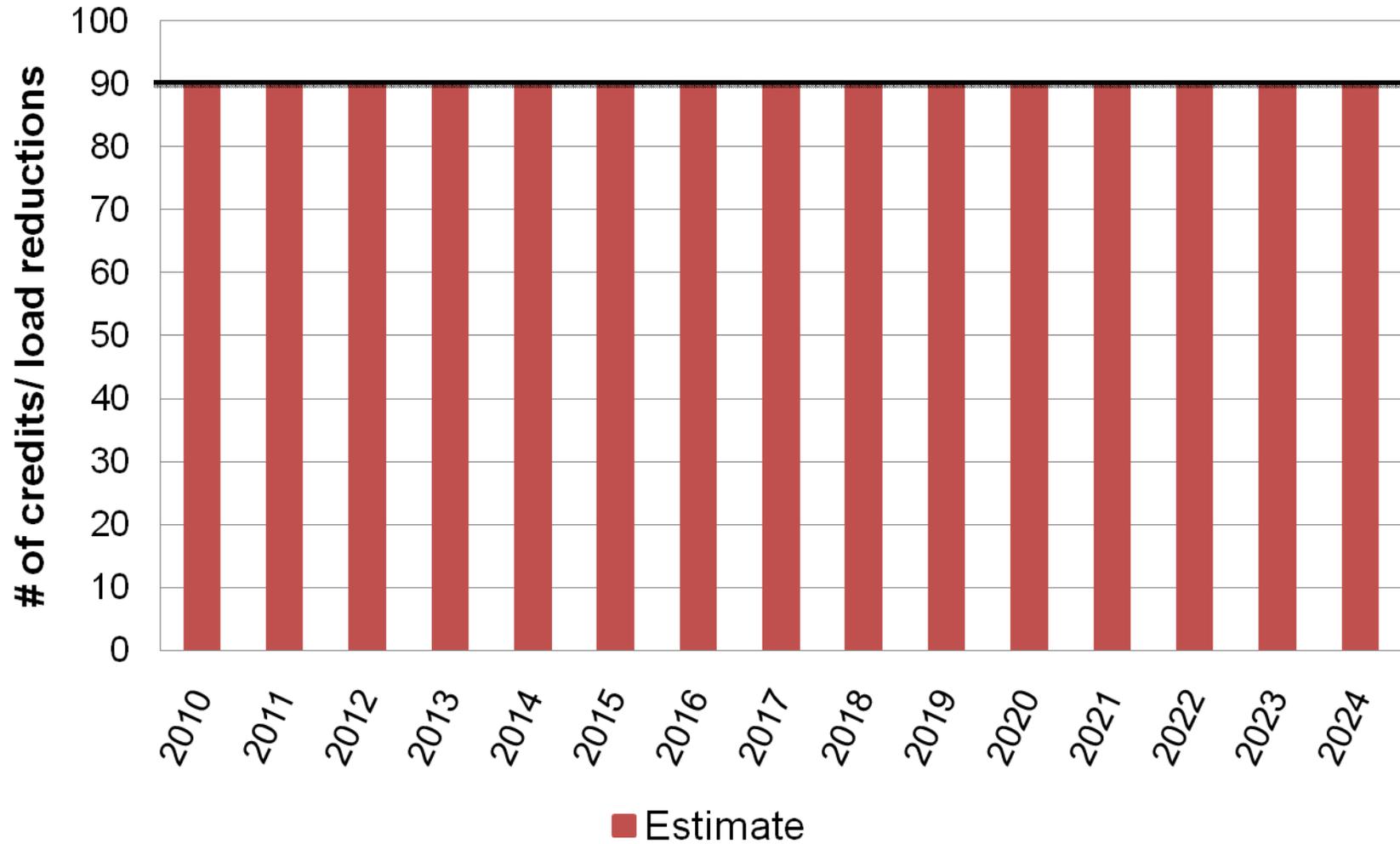
Register

Finalize Credit Schedule

Relationship Between Lake Clarity Crediting Program & Implementation Tools



Catchment Credit Schedule



Implement Actions & Award Credits

Initiate Action & Establish Credit Schedule

Implement Actions & Award Credit

Manage & Adjust Program

Inspect Infrastructure

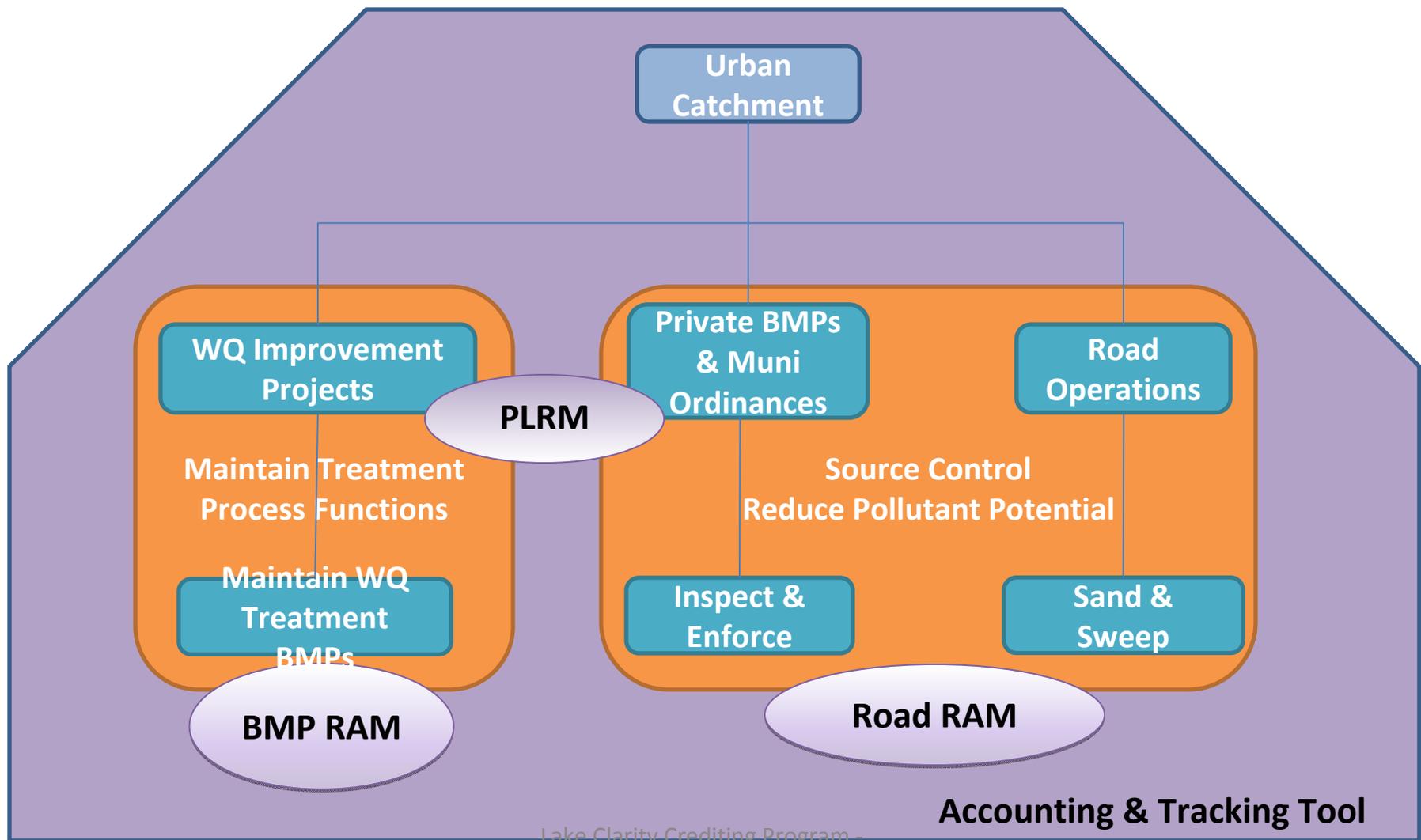
Implement Actions

Validate Function

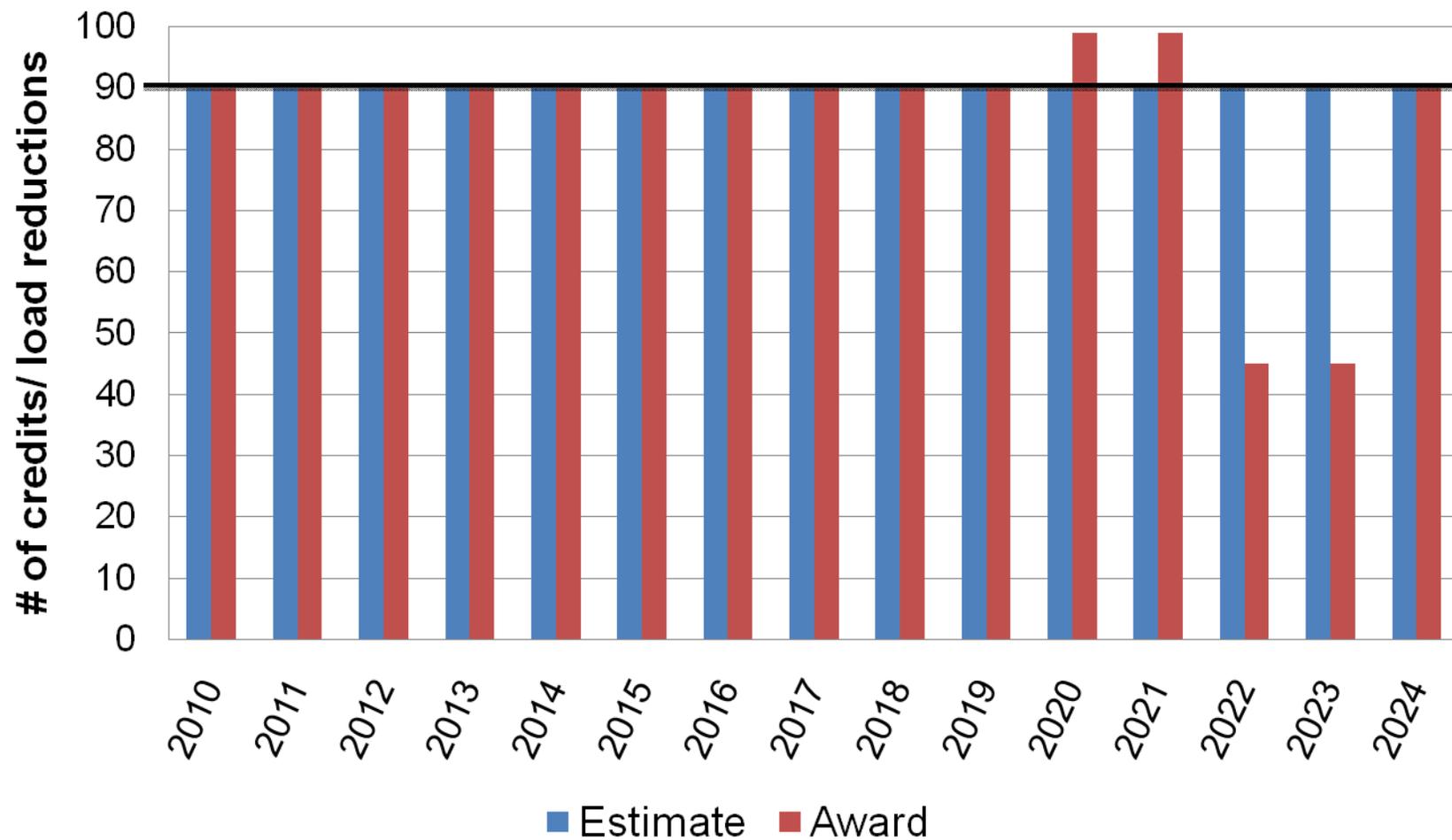
Report

Award Credits

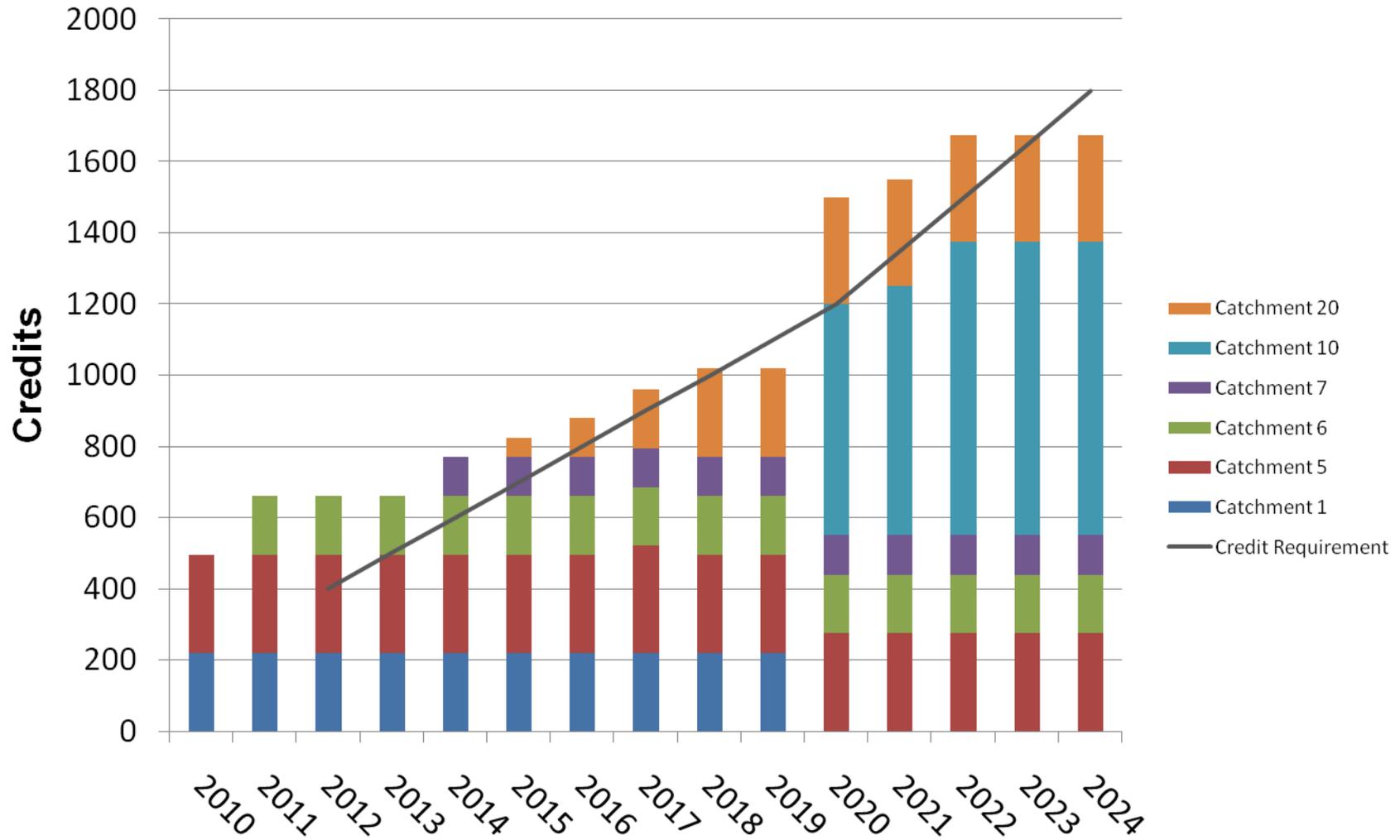
Relationship Between Lake Clarity Crediting Program & Implementation Tools



Catchment Credit Schedule



Total Credit Awards for an Urban Jurisdiction



Manage & Adjust Program

**Initiate Action &
Establish Credit
Schedule**

**Implement Actions &
Award Credit**

**Manage & Adjust
Program**

Translate TMDL
Allocations to
Requirements

Define Protocols

Prioritize Research

Monitor & Research

Create Overall Report

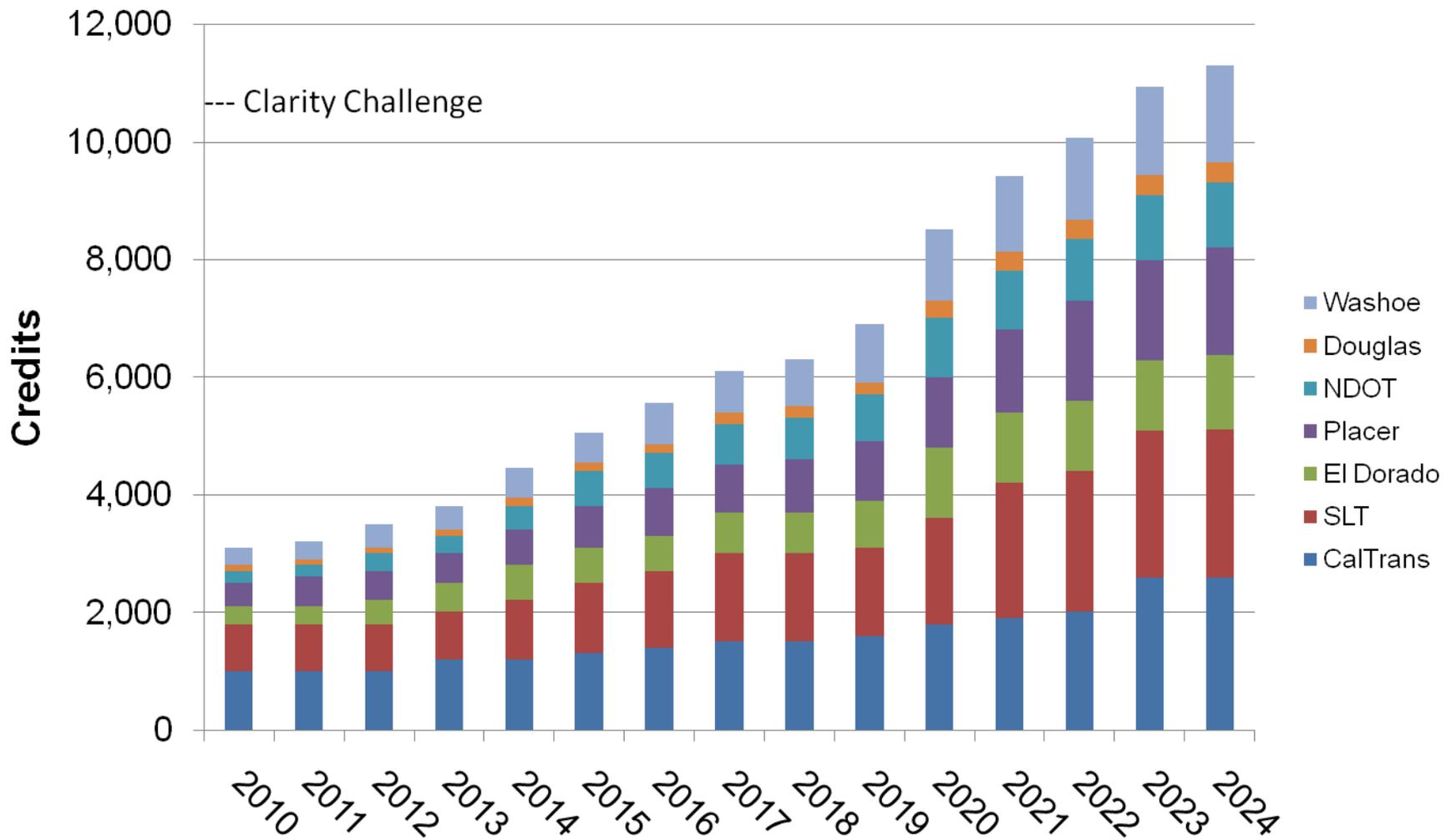
Synthesize Findings

Develop
Recommendations

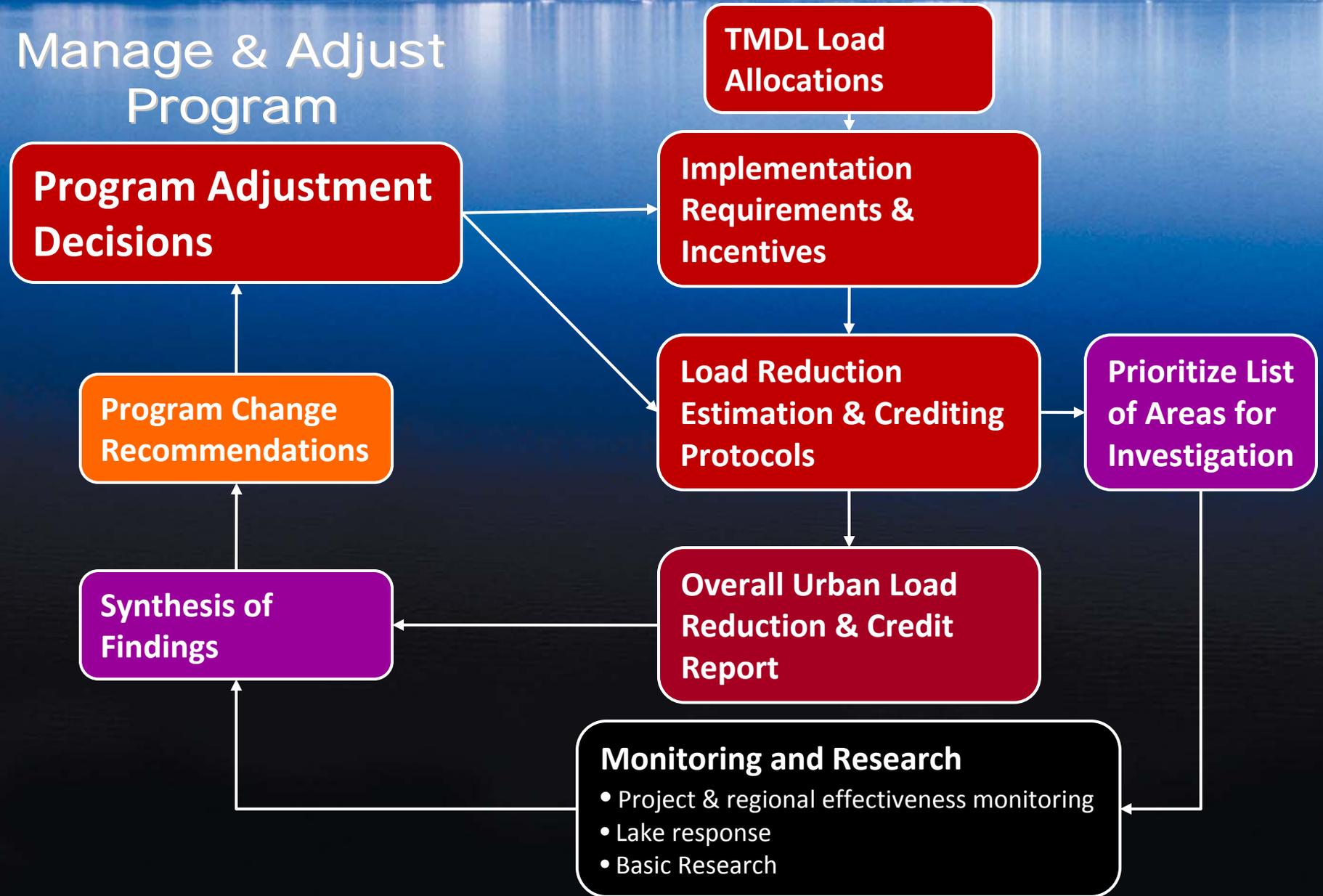
Adjust Program



Basin-wide Credits By Urban Jurisdiction



Manage & Adjust Program





Expected Roles

- Urban Jurisdictions
- Regulators
 - Lahontan & NDEP
 - TRPA
- Grantors
- Scientists
- Engaged Stakeholders