Overview

- Tracking at Project Level (WIPS)
- Tracking Incremental Success and ROI (PEET)
- Tracking Before and After (PLEM)
- ATTAINS (they do know this yet-sshhh)
Watershed Improvement Projects

**Project Status**- This will be used along with project type for map symbolizing

*Project Status=Proposed*

Project is planned, has a conceptual plan and is in the process of finding funding. Do not complete implementation date for proposed projects. These will be replaced once a project is completed. Note-some projects may be proposed for a long time

*Project Status=Completed*

Project has been completed and in the monitoring phase

**Project Notes**- Any notes on project

**Total Project Cost**- Enter a number with no symbols
Clean Water Act

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Water Resource Condition

WIPS
Estimate a percent function in each functional area after implementation

Biological Function
100

Physical/Chemical Function
100

Hydrologic Function
100

Hydraulic Function
100

Geomorphology Function
100

Pinecone Function

PEET in Reverse

Implementation Plan - Ephemeral

Implementation Plan Area Reference Value
In Dollars per Year - Assumes stream is fully restored or undisturbed

$1,313,350

Estimated Project Cost

$3,500,000

Estimated Project Post Value

$1,313,350

post minus pre

$0.00

Return On Investment
in years

2.6 years

Critical Quality
Project Level Effectiveness Monitoring

• Non-traditional parameters without WQ standards
• Category 4r assessments (mostly)
• Have added Protection as one of the assessment measures?

4r before and 1r after

(PLEM)
Integrated Reporting Categories

Meeting Criteria

Data Inconclusive

Exceeds Criteria ("impaired")

1

Integrated Report

3

NC Impaired Waters List

4

303(d) List

5
Tracking to Protection in the Integrated Report

Turbidity, Exceeding Criteria - **Category 5**

**Approaches**

- Turbidity, Exceeding Criteria - **Category 5r**
- Turbidity, Exceeding Criteria - **Category 4b**
- Turbidity, Exceeding Criteria - **Category 4t TMDL**

- Aquatic Passage, Exceeding Criteria - **Category 4c Dams**

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Turbidity, Exceeding Criteria- Category 5r
Turbidity, Exceeding Criteria- Category 4b
Turbidity, Exceeding Criteria- Category 4t TMDL

Turbidity- Category 4t ← Turbidity- Category 1t
Turbidity- Category 5r ← Turbidity- Category 1r
Tracking to Protection in the Integrated Report

Turbidity- Category 4t ↔ Turbidity- Category 1t
Turbidity- Category 5r ↔ Turbidity- Category 1r

Data noise or restoration success with protection?

Turbidity- Category 4t → Turbidity- Category 1t
Turbidity- Category 5r → Turbidity- Category 1r
Protection- Category 4r → Protection- Category 1r

Protection assurance

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Tracking to Protection in the Integrated Report

- Aquatic Passage, Exceeding Criteria - Category 4c Dams
  Assessment = Dam is obsolete

- Aquatic Passage, Exceeding Criteria - Category 4r
  Assessment = Dam removal plan is in place

- Aquatic Passage, Meeting Criteria - Category 1r
  Assessment = Dam removed – fish can swim

This one is actually in ATTAINS

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