

Straight to Implementation



A TMDL Alternative

Ecology's Livestock and Water Quality Program

Objectives:

- Achieve compliance with water quality standards
- Improve relationships and build trust between Ecology and rural property owners



When can this strategy washington state work?

- Watersheds with all nonpoint sources
- Pollution problems are known
- Management practices to solve the problems are known
 - Have dedicated staff
 - Have funds for post-implementation monitoring
 - Are willing to do enforcement



Where are we implementing the program?

 Agriculture-dominated watersheds in eastern Washington

Primarily livestock and dryland

Farming





Watershed conditions

- Animals have unlimited access to streams
- Riparian areas trampled and overgrazed
- Streams listed for washington temperature, fecal coliform, pH, dissolved oxygen
 - Streams provide spawning habitat for threatened runs of Snake River Steelhead







Challenges

- Agriculture community generally resistant to regulation
- Some Conservation Districts won't washington with Ecology
 - Installing miles of fence and other
 BMPs isn't cheap





Our Assets



- 319 and state funds that can be used for nonpoint implementation
- Access to Washington Conservation Corps crews
- A tenacious and charming staff person



What do we do?

Primary BMP is installation of riparian buffers because—

- Slow bank erosion
- Reduce flood damage and sedimentation
- Shade the stream
 - Prevent sediment, nutrients, pesticides, pathogens from reaching stream
 - Create fish and wildlife habitat
 - Enhance summer stream flow





What do we do?

- Buffers are minimum of 35 feet wide,
 planted with native shrubs and trees
- We provide cost share funding;
 landowners provide match in cash and/or labor and sign agreement to maintain fence and buffer
 - We will also help pay for other BMPs
 AFTER cattle are completely excluded from riparian corridor





What do we do?

Other BMPs we will fund include:

- Off-stream watering facilities
- Winter feeding areas with heavy-use protection
 - Windbreaks
 - Manure storage facilities
 - All of the above have funding limits





How are we doing?

- Started the program in six watersheds
- So far have created 300 miles of riparian buffer
- Have issued two enforcement orders
- Addressing 47 listings for temperature, fecal coliform, DO, pH
- We are putting these listings into Category 4b on the 2008 assessment







































After



- Complete exclusion from riparian area
- Winter feeding and watering moved away from riparian area

Straight to implementation will work if . . .

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