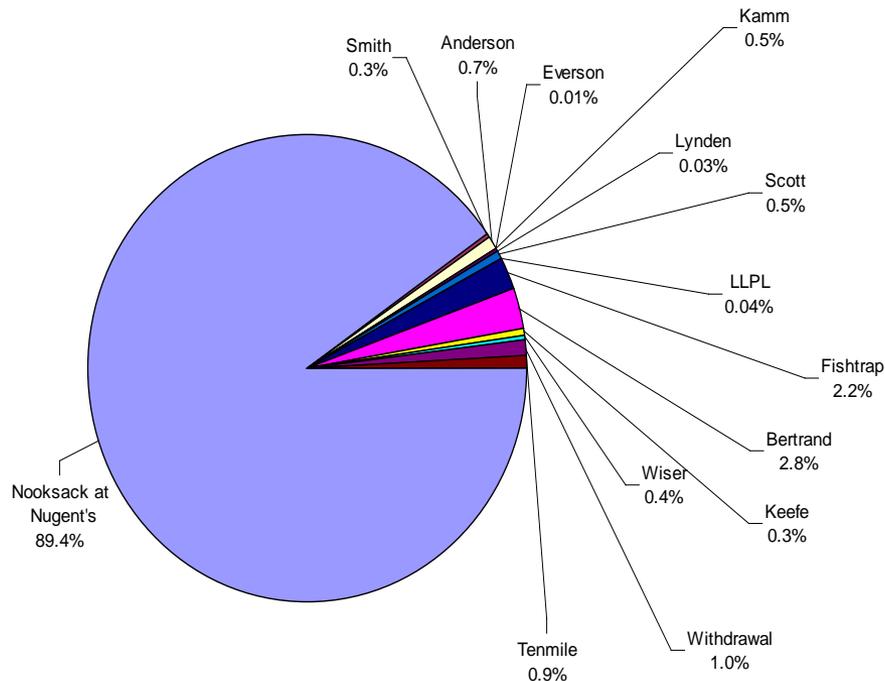
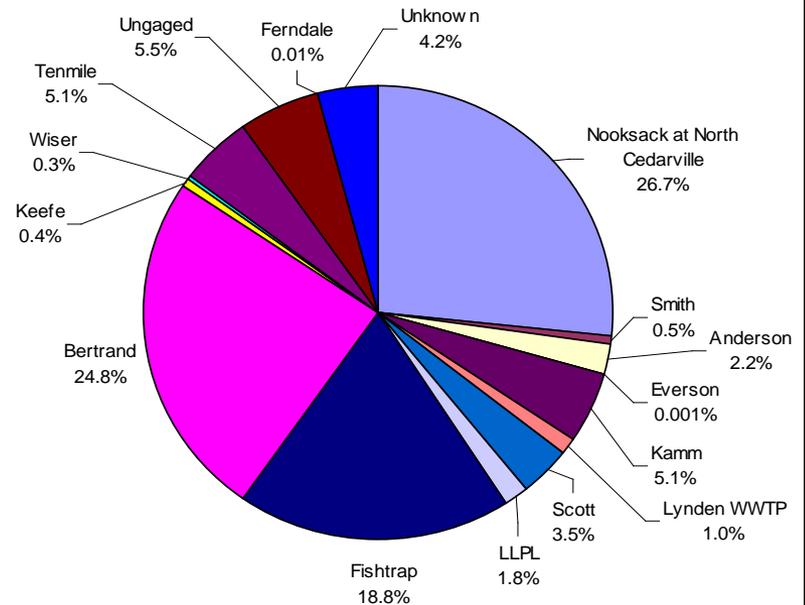


# Nooksack River Bacterial TMDL

**Nooksack River Water Balance 1997-1998**



**Annual FC Loads to lower Nooksack River: 1997-98**





# 1998 Dairy Nutrient Management Act

- Goal -- Zero Discharge of Pollutants
- Management Plan by 7/31/2002
- All Dairies Implement the Plan by 12/31/2003
- Compliance: Pro-active Inspection, Referral & Fine





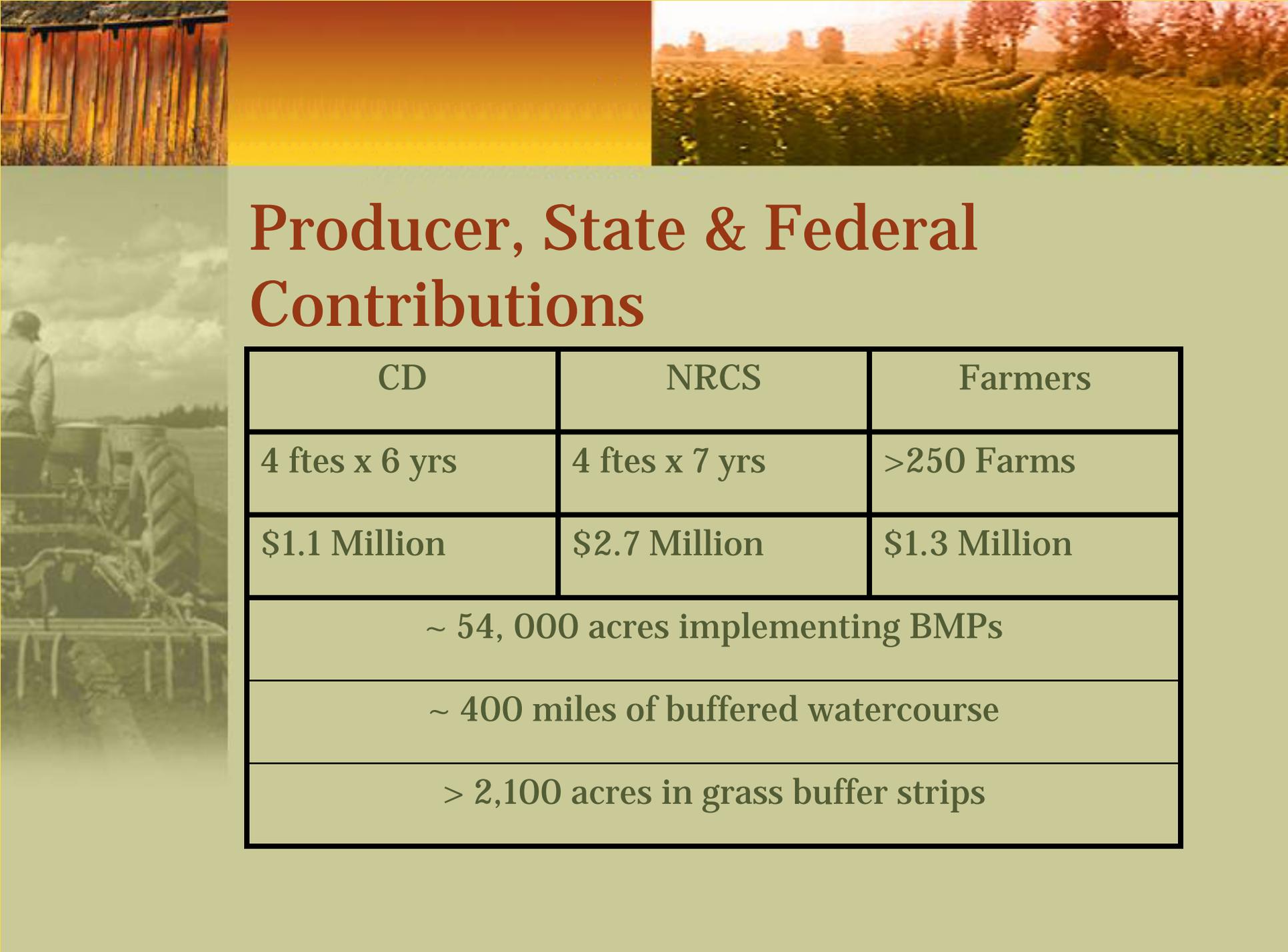
# Technical Assistance Provided

## Plan Development

- Structure Design
- Vegetative Practices
- Nutrient Management Practices

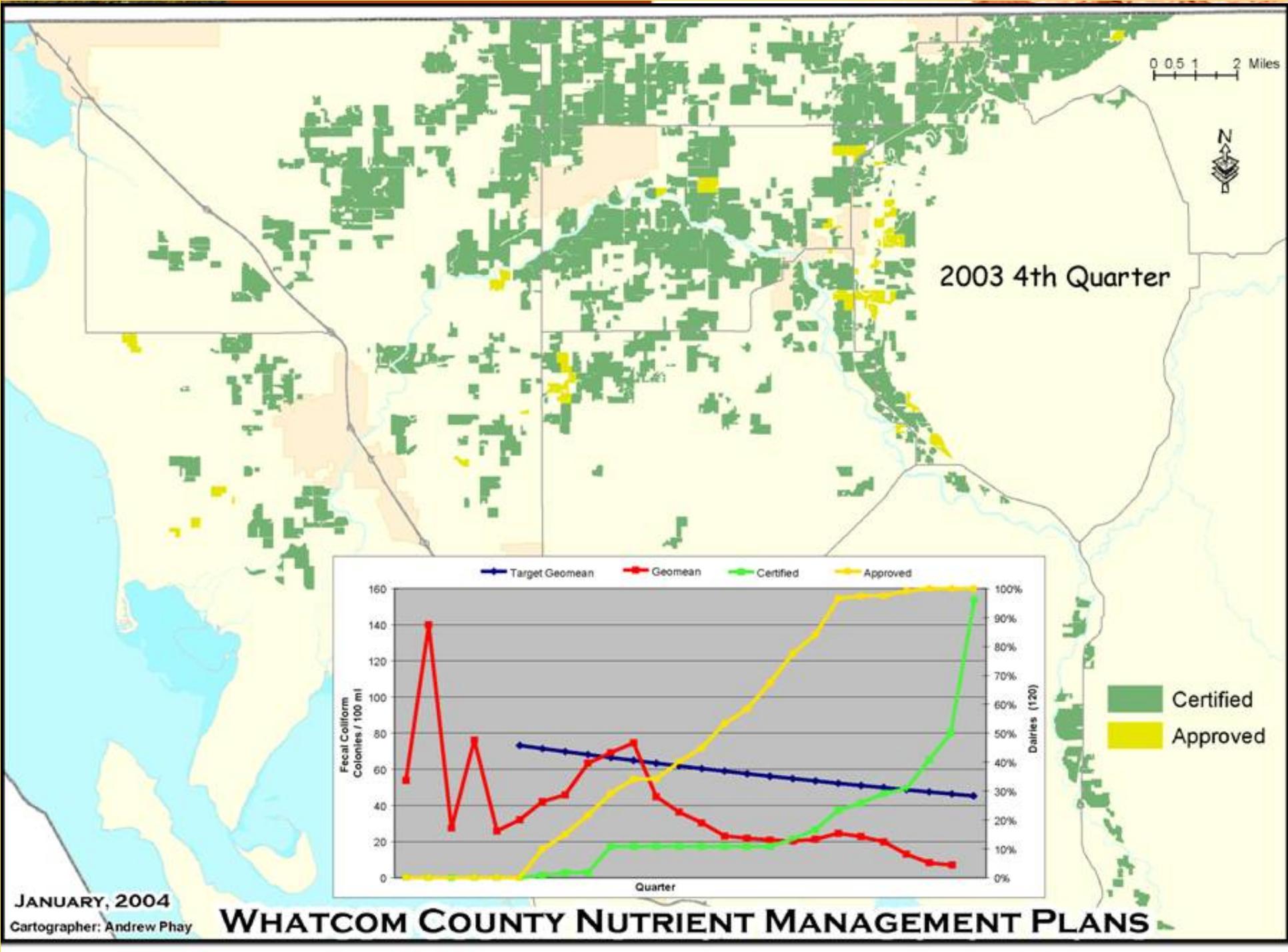
## Plan Implementation

- One on One
- General



# Producer, State & Federal Contributions

CD	NRCS	Farmers
4 ftes x 6 yrs	4 ftes x 7 yrs	>250 Farms
\$1.1 Million	\$2.7 Million	\$1.3 Million
~ 54, 000 acres implementing BMPs		
~ 400 miles of buffered watercourse		
> 2,100 acres in grass buffer strips		



2003 4th Quarter

0 0.5 1 2 Miles



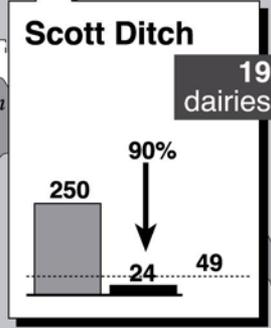
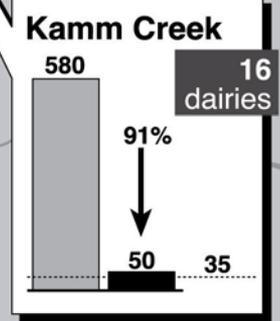
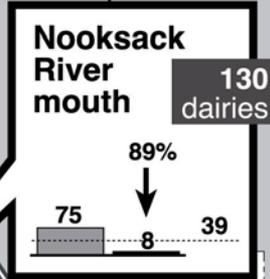
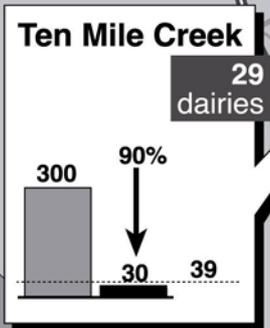
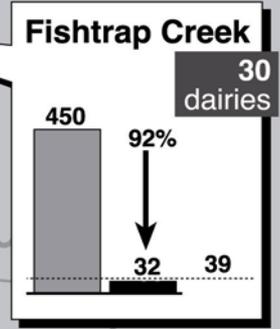
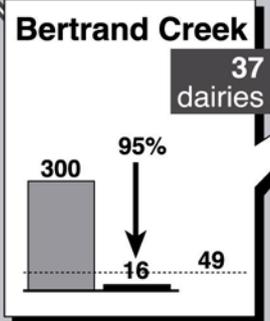
Certified  
Approved

JANUARY, 2004  
Cartographer: Andrew Phay

# WHATCOM COUNTY NUTRIENT MANAGEMENT PLANS

# Improving creeks

The amount of fecal coliform bacteria is dropping throughout the Nooksack River system, thanks largely to manure handling improvements at dairy farms. Here are a few examples:



Shellfish beds



**1st Qtr. 1998**    **2nd Qtr. 2002**    **State cleanup goal**

Concentration of fecal coliform bacteria colonies per 100 ml. of water. Results are an average of samples taken during the previous 1 1/2 years.