



Is Water Quality Improving in Muddy Creek and Dry River?



What Were the Problems?

- Both streams are on Virginia's List of Impaired ("Dirty") Waters for:

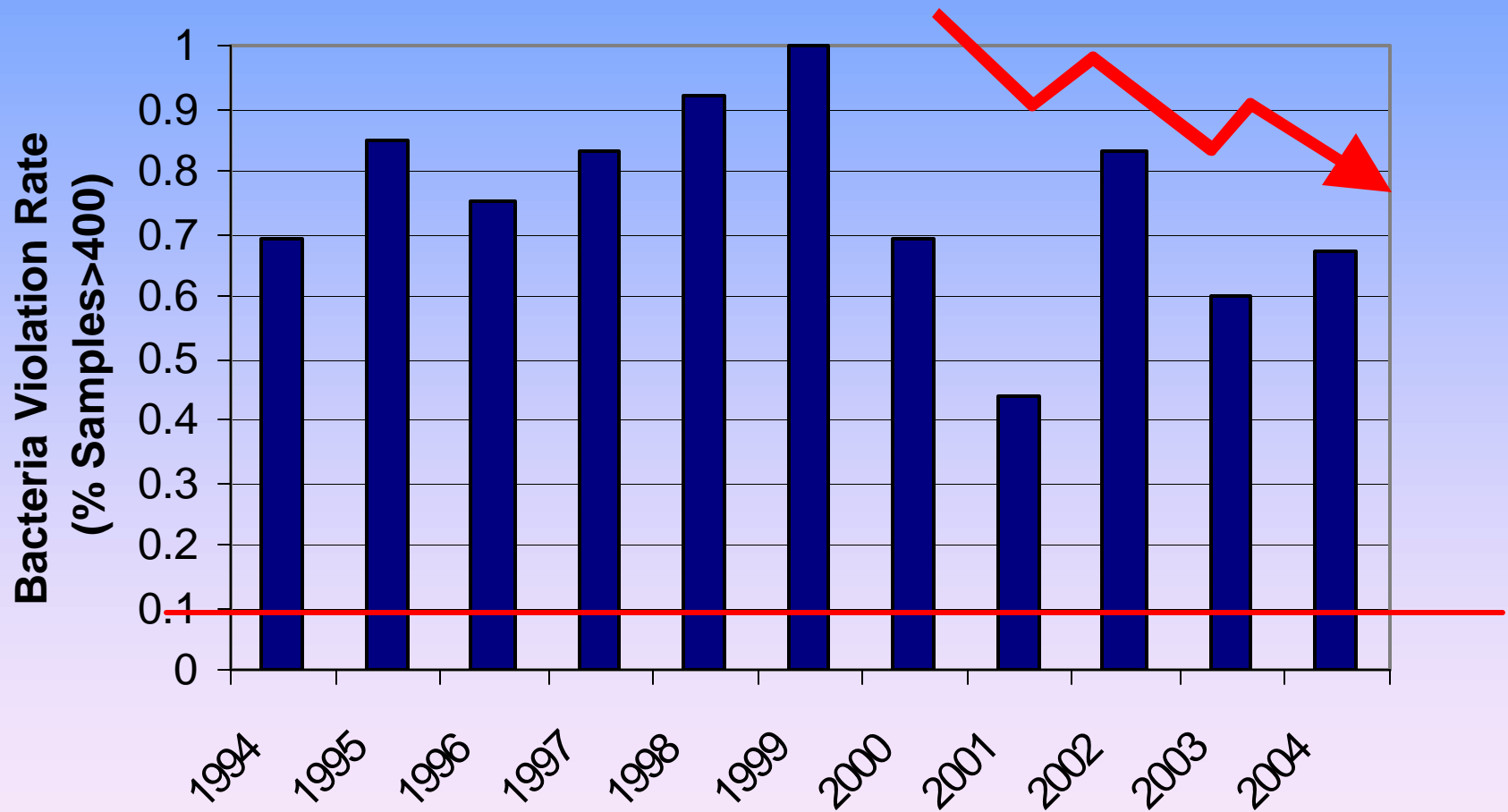
Dry River

- bacteria (too much bacteria from human and/or animal waste)
- nitrates (exceed allowable levels for upstream of a public water supply)

Muddy Creek

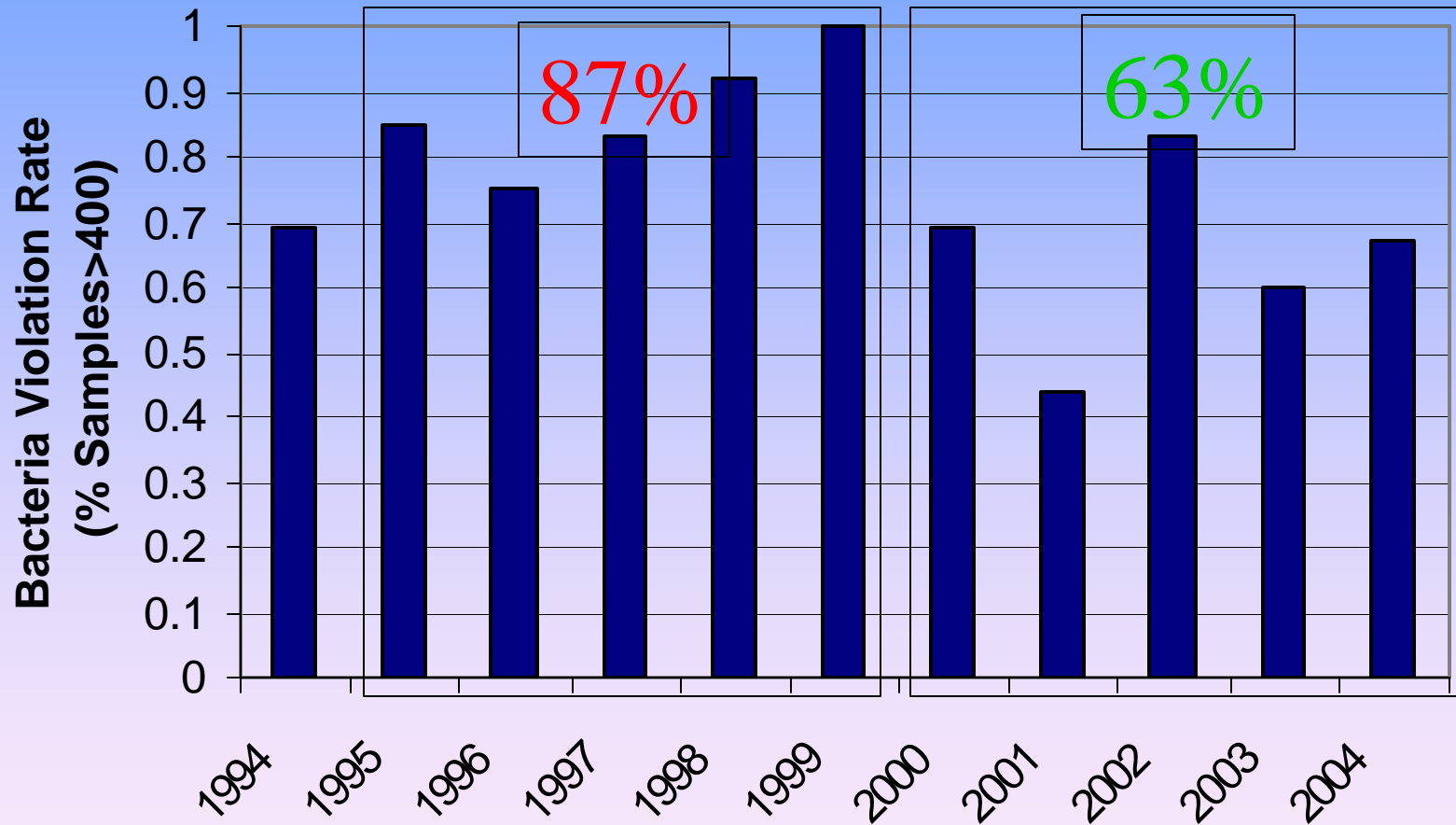
- bacteria (too much bacteria from human and/or animal waste)
- nitrates (exceed allowable levels for upstream of a public water supply)
- lack of healthy aquatic life caused by excess sediment and phosphorus

Muddy Creek Bacteria



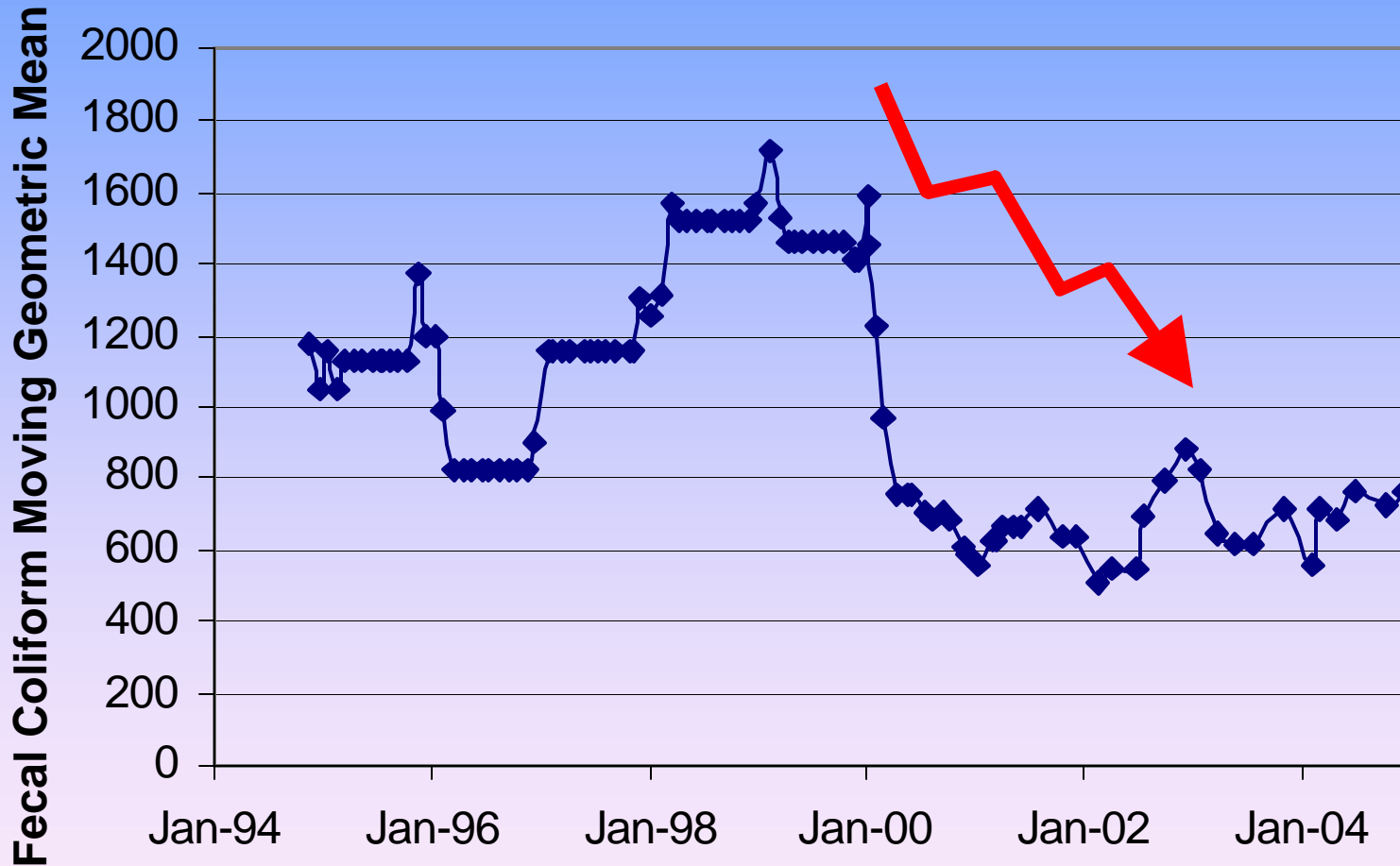
Bacteria levels are going DOWN

Muddy Creek Bacteria



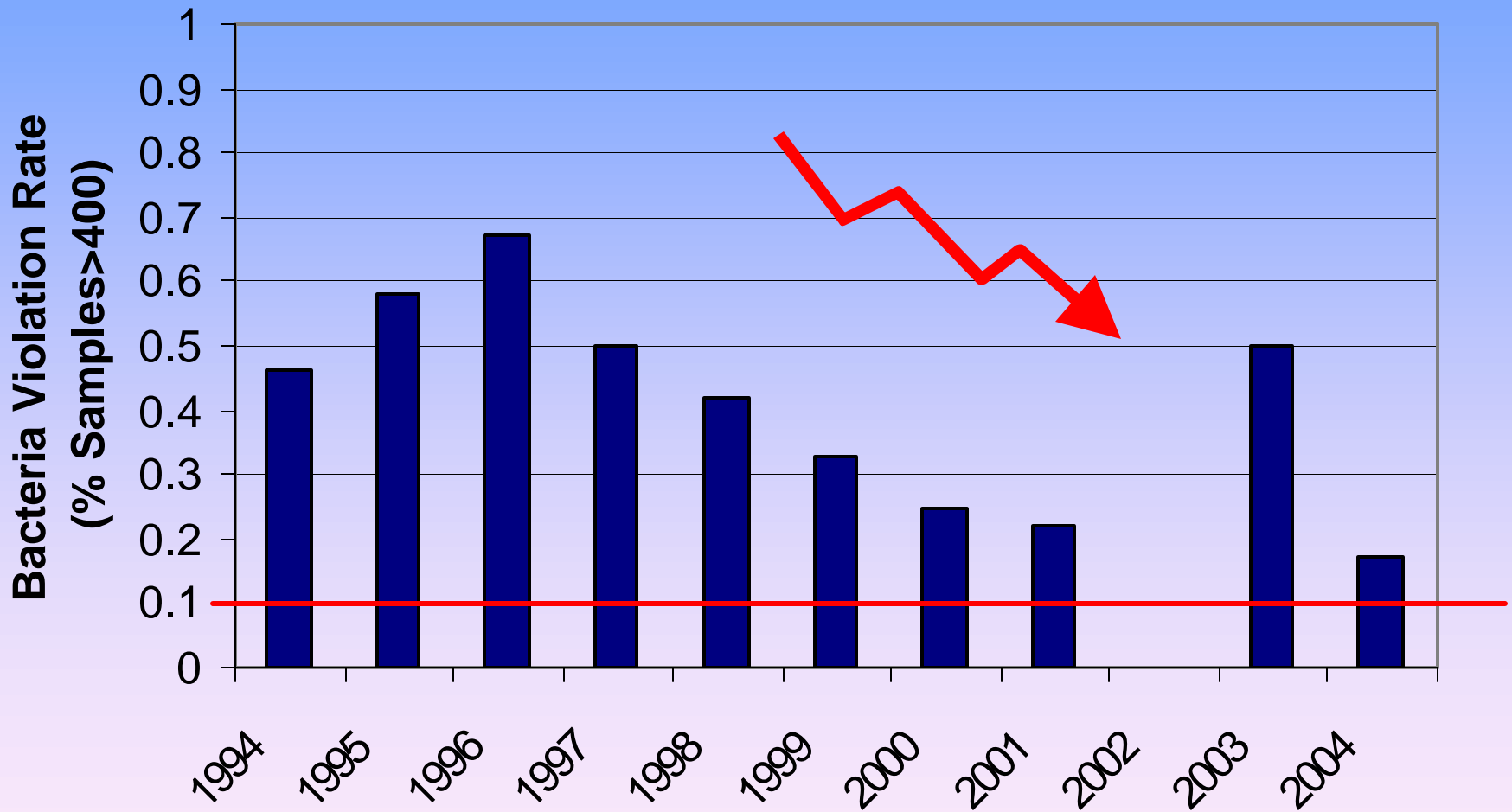
24% Decrease in Bacteria Violation Rates
(only 5 streams in the Valley had larger improvements)

Muddy Creek Bacteria



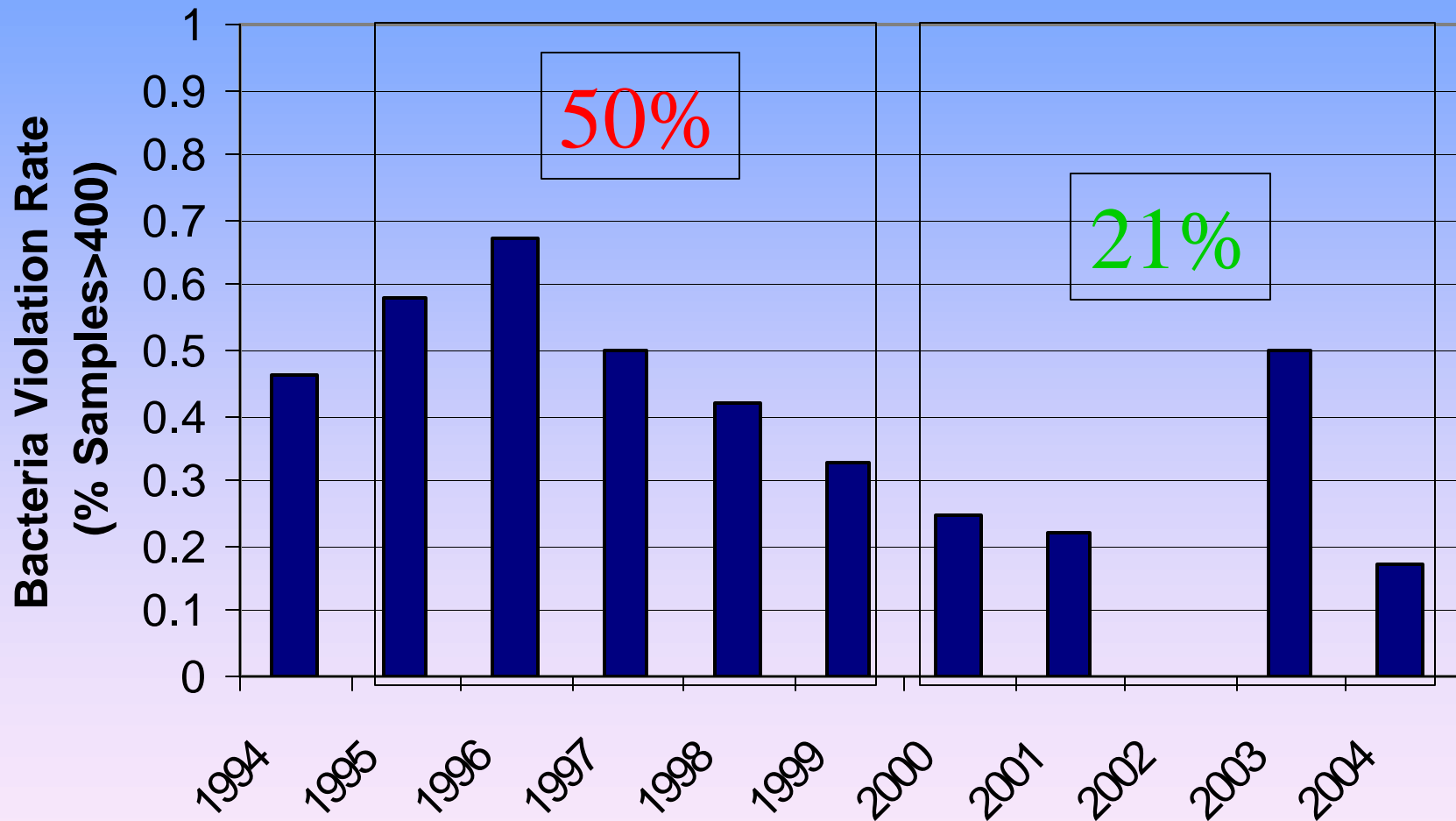
Bacteria have gone DOWN since 2000

Dry River Bacteria



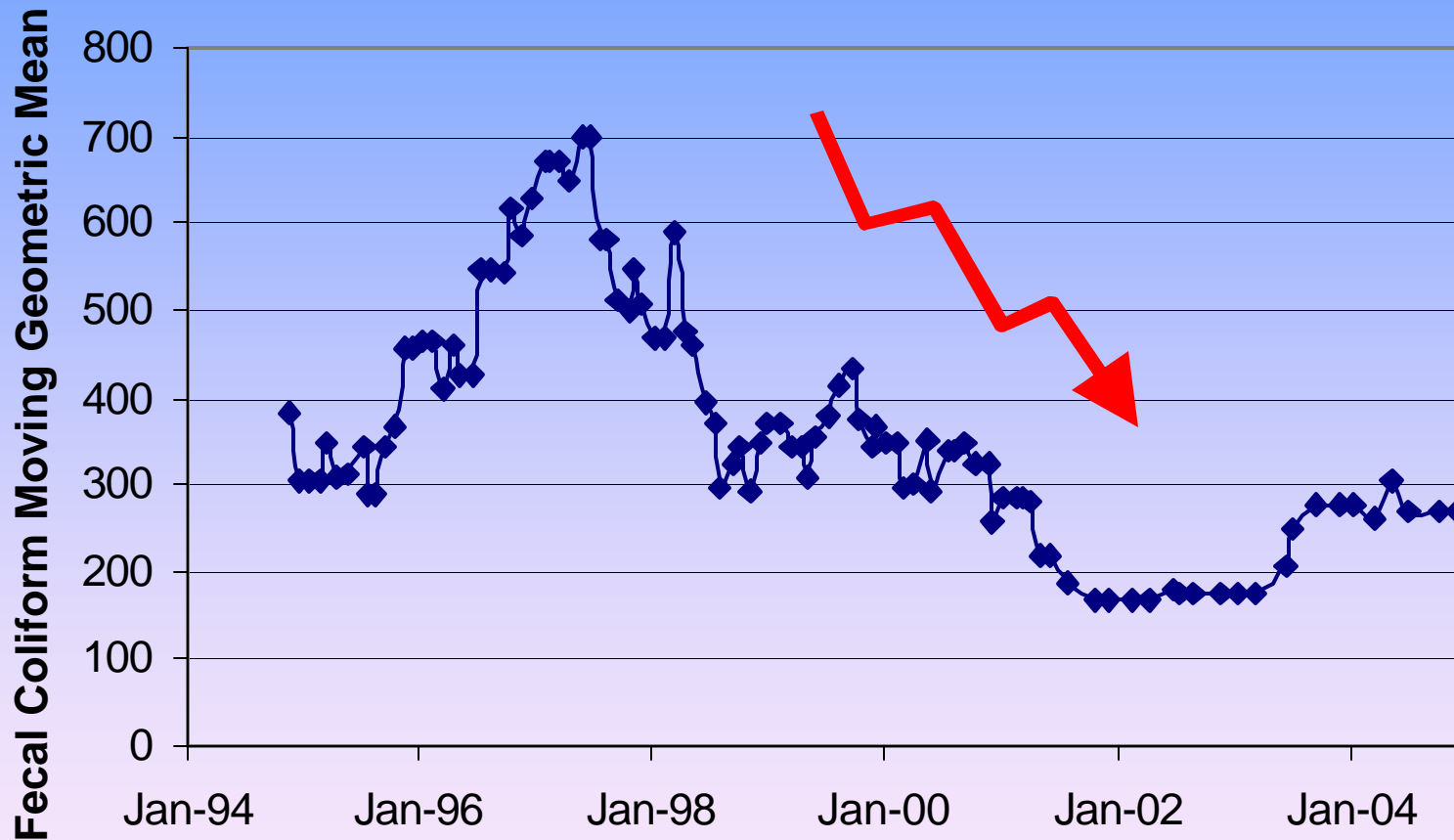
Bacteria levels are going DOWN

Dry River Bacteria



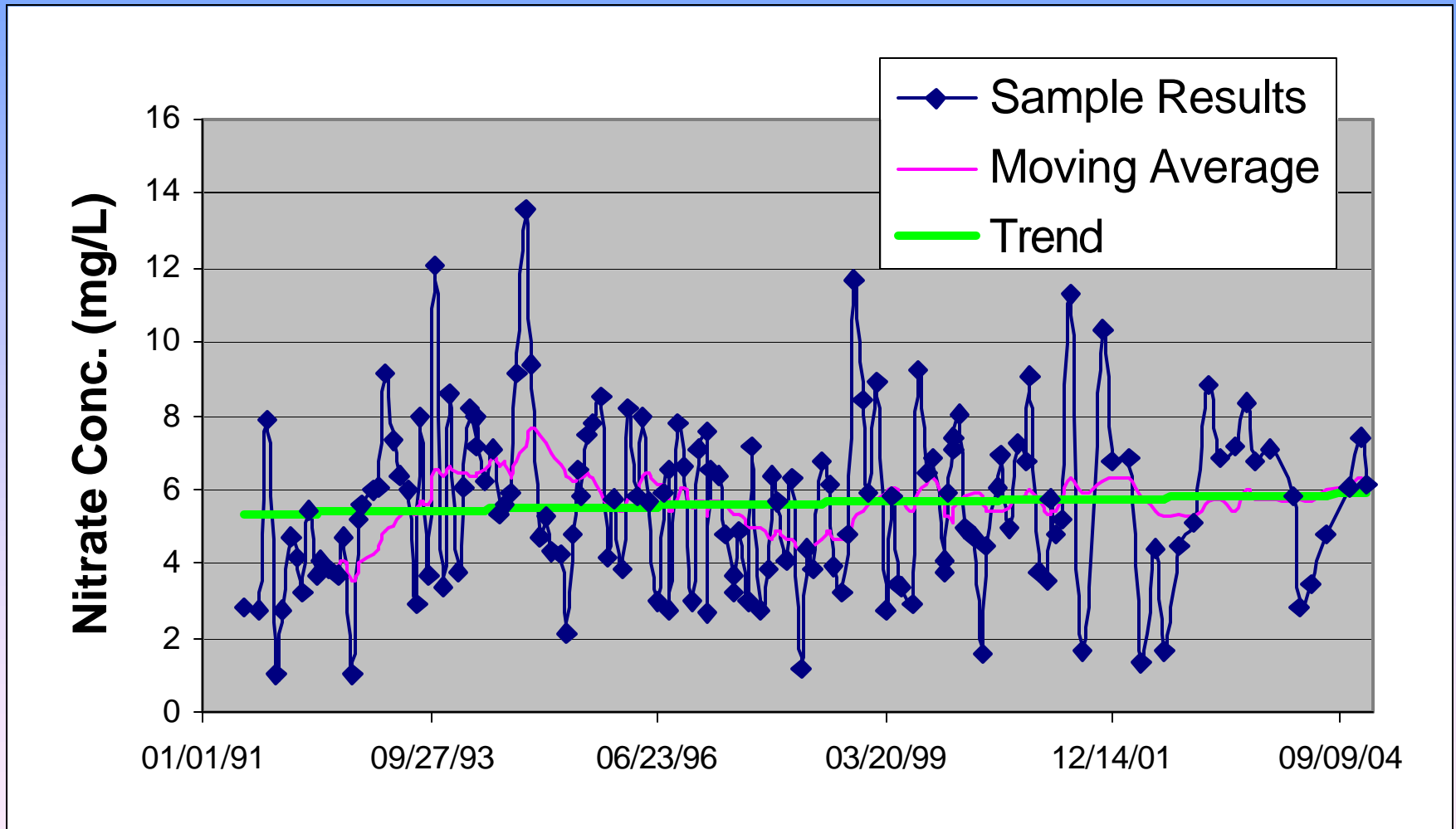
29% Decrease in Bacteria Violation Rates
(only 4 streams in the Valley had larger improvements)

Dry River Bacteria

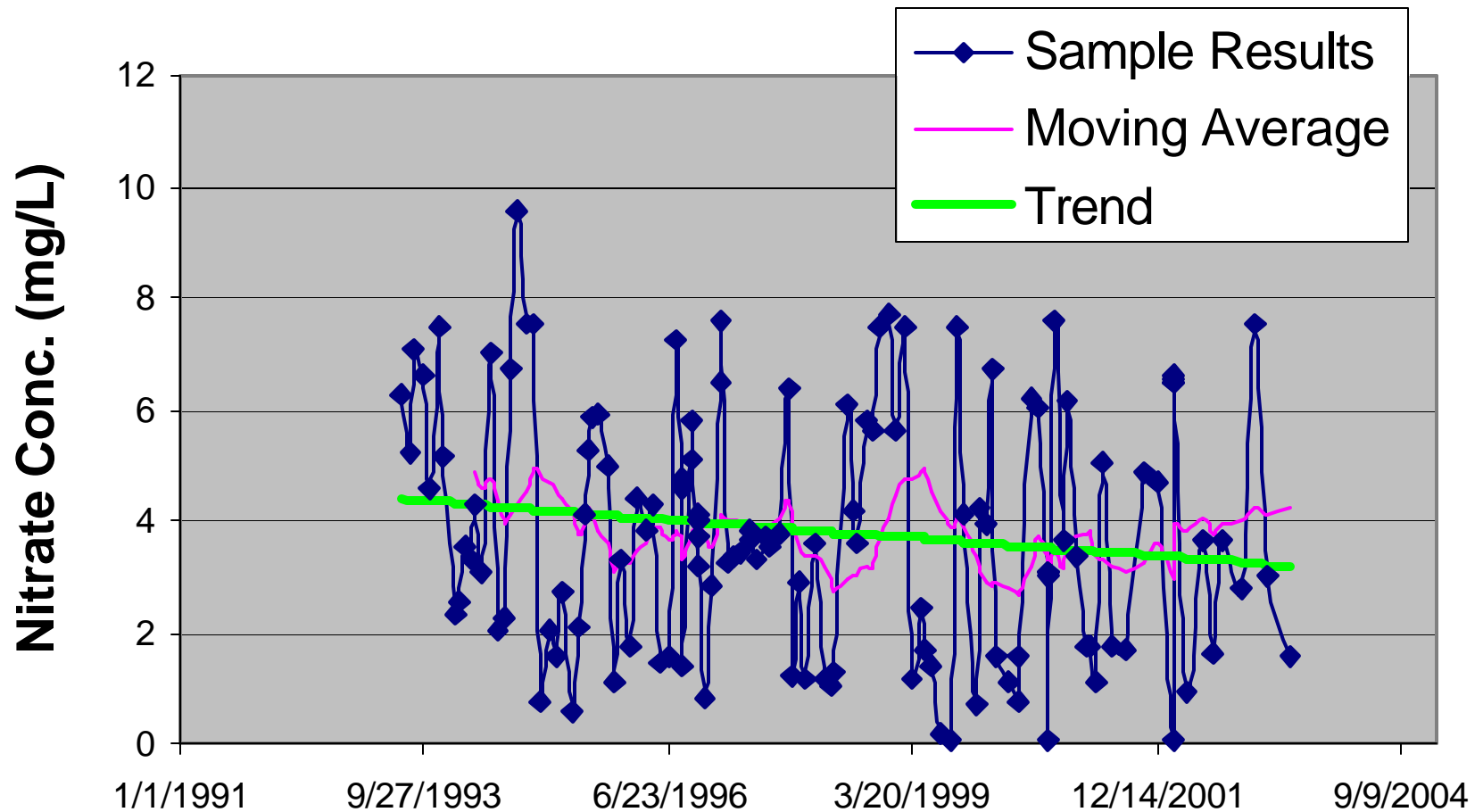


Bacteria levels are going DOWN

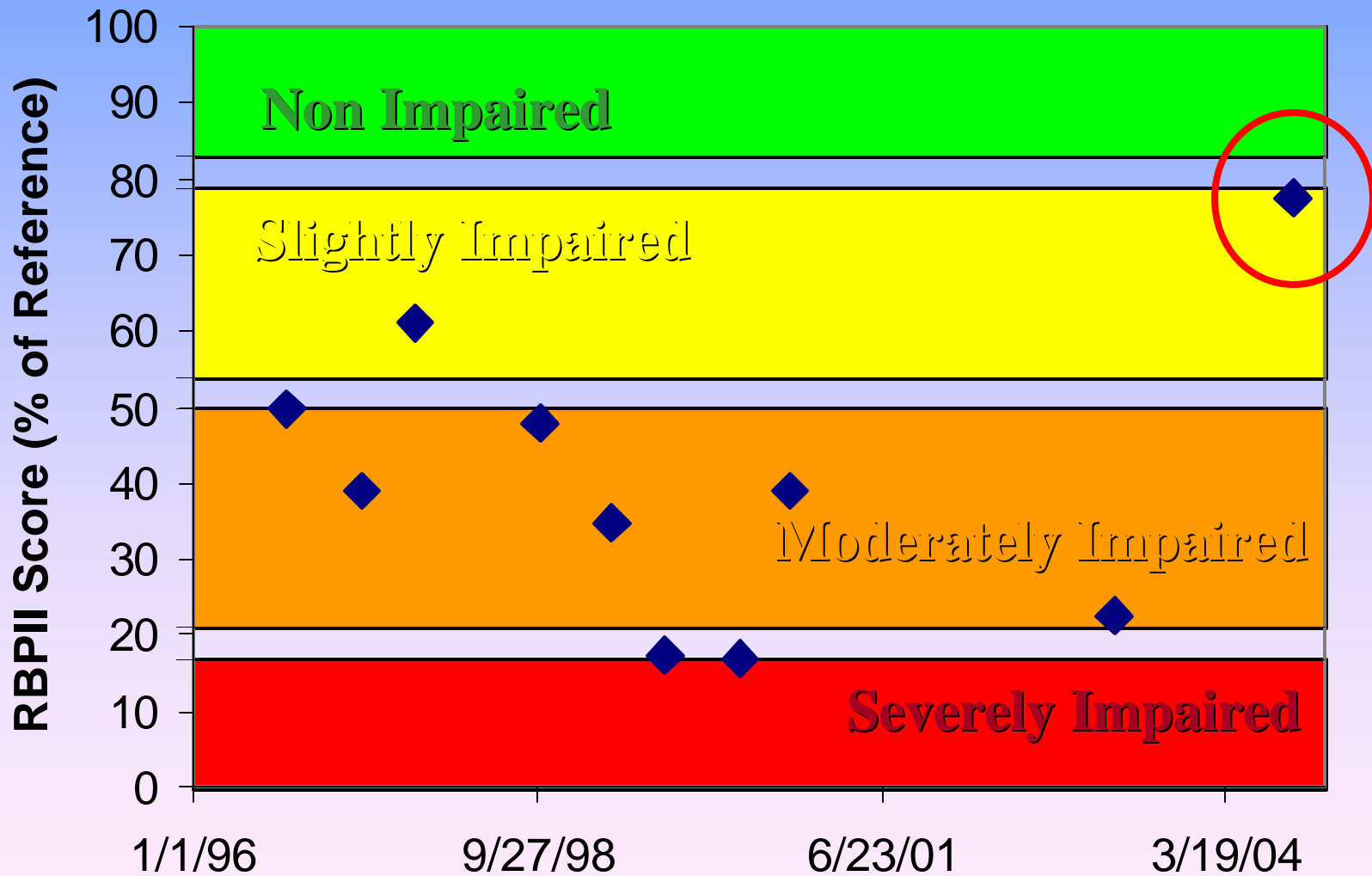
Muddy Creek Nitrate



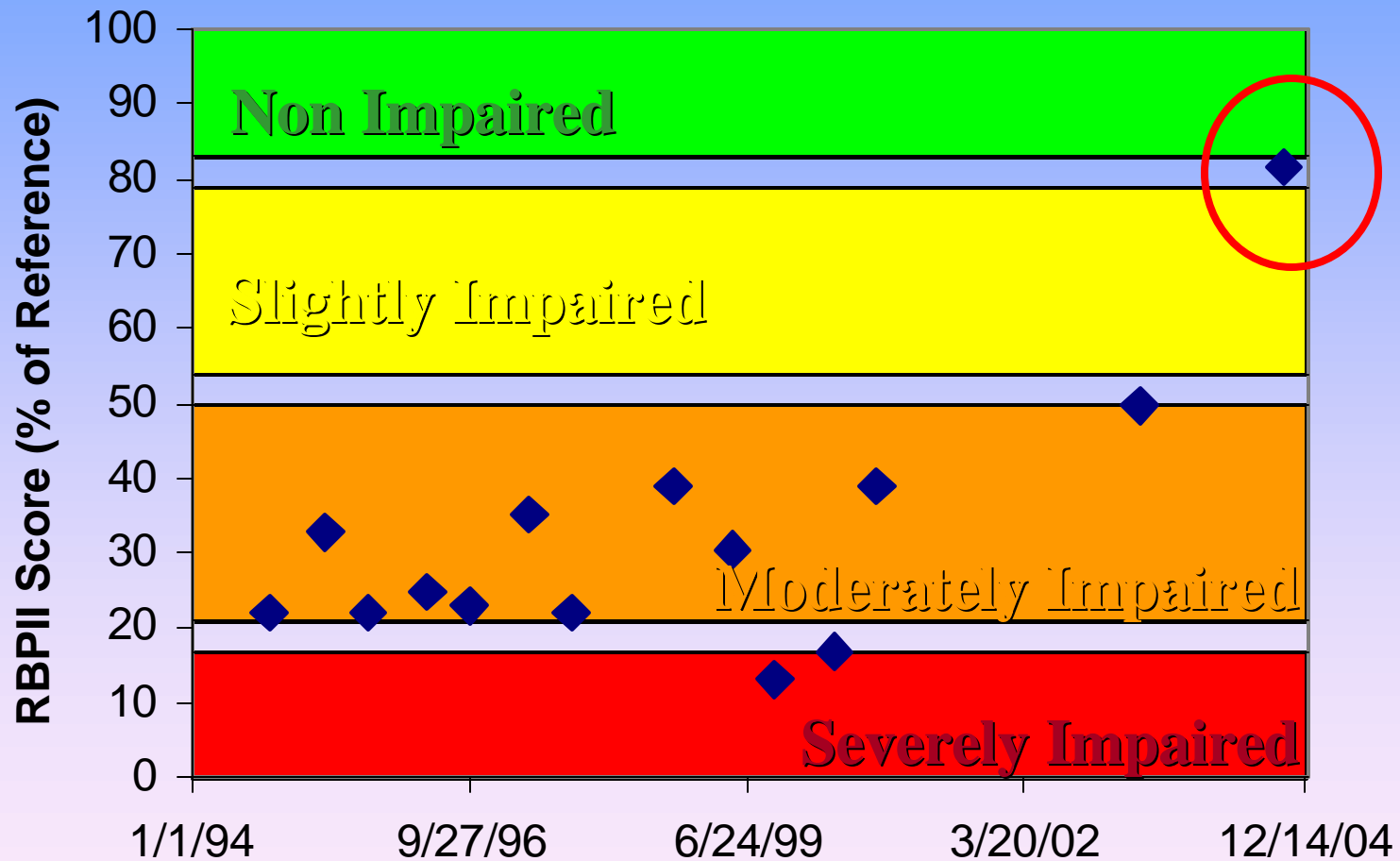
Dry River Nitrate



Muddy Creek Aquatic Life at Onyx Hill





Muddy Creek Aquatic Life at Mount Clinton



Last sampling was nearly non-impaired

Improvements?

| | Muddy Creek | Dry River |
|--------------|---|---|
| Bacteria |  |  |
| Nitrate |  |  |
| Aquatic Life |  | |

For More Information

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