

Priority Area Number: 1		Priority Area Name: Weiser	
Ranking Criteria		Score	Comments
1) POPULATION			
	Points	Select One	
a) Within Priority Area			
<1000	1		
1000 to 10,000	2	X	2 Population = 5853
10,000 to 100,000	3		
		Subtotal	2
b) Source Water Protection Areas or Public Water System wells in Priority Area			
0	0		
1 to 20	1	X	11 PWS
>20	2		
		Subtotal	1
c) Number of Wells with Nitrate (NO₃) ≥ 10 mg/l			
0	0		
1 to 2	1		
3 to 5	2		
6 to 9	3		
10 to 15	4		
>15	5	X	29 Wells
		Subtotal	5
		Population Score	8
		Max Possible Score = 10	
2) WATER QUALITY			
	% wells	Nitrate Concentration Criteria	
Percent of wells with Nitrate (NO ₃) ≥ 2 mg/l	88%	2	1.76
Percent of wells with Nitrate (NO ₃) ≥ 5 mg/l	73%	5	3.65
Percent of wells with Nitrate (NO ₃) ≥ 10 mg/l	45%	10	4.50
		Water Quality Total	9.91
3) WATER QUALITY TRENDS			
		Select One	
Increasing	10	X	10
No Discernable Trend	5		
Decreasing trend	0		
		Trend Score	10
		Max Possible Score = 10	
4) OTHER BENEFICIAL USES			
Other beneficial uses are impaired	2	Yes=2 No = 0	No
		Beneficial use score	0
		Max Possible Score = 2	
Total Score			27.91

**NITRATE PRIORITY AREA # 1
WEISER**

Nitrate Concentrations: (mg/l)

Minimum Value	0
Maximum Value	29.5
Average Value	9.9
No. Samples \geq 10	29
No. Samples 5 – 9.99	18
No. Samples 2 – 4.99	10
No. Samples < 2	8
No. Samples \geq 2	57
No. Samples \geq 5	47
No. Samples \geq 10	29
% Samples \geq 2	87%
% Samples \geq 5	73%
% Samples \geq 10	47%
Total Samples	65
No. PWS Samples	11
No. SMN Samples	16
No. IDAG Samples	35
No. REG/LOC Samples	3

PWS = Public Water Systems

SMN = State Wide Monitoring Network

IDAG = Idaho Dep. Of Agriculture Studies

REG/LOC = Regional/Local Monitoring DEQ and DEQ/IDAG Projects

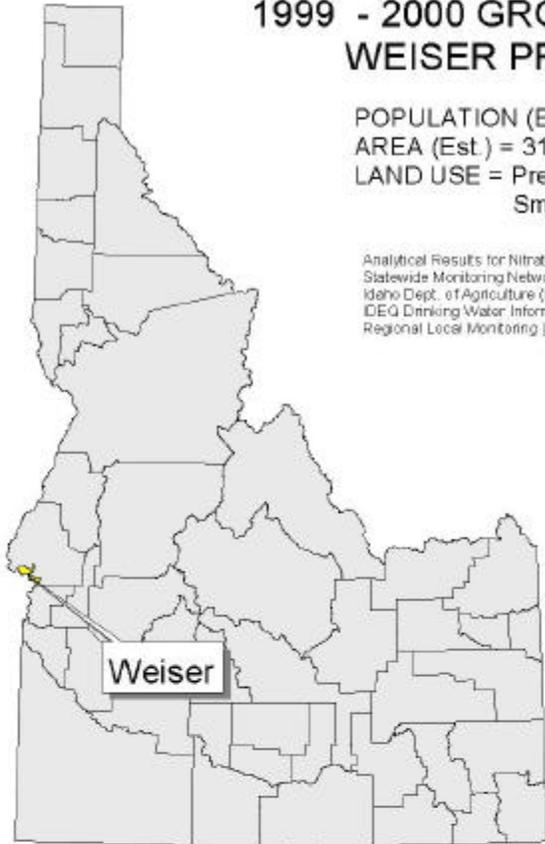
Regional Local Monitoring Projects:

1995 Weiser, study conducted by DEQ (Weiser 95). Three wells from the study are located within the priority area.

1999 - 2000 GROUP 1 NITRATE PRIORITIZATION WEISER PRIORITY AREA 1* (RANKED)

POPULATION (Est.) = 5853
 AREA (Est.) = 31,479 Acres
 LAND USE = Predominately Irrigated Agriculture
 Small Amounts of Urban and Range Land

Analytical Results for Nitrate Data Sources:
 Statewide Monitoring Network USGS/DWR, 16 sites, most recent analysis used
 Idaho Dept. of Agriculture (IDAG/dairy & IDAG/mon), 35 sites, most recent analysis used
 IDEQ Drinking Water Information System (DWIMS), 11 PWS, 1999-2000 data, highest value used
 Regional Local Monitoring (IDEQ - Weiser'95), 3 sites, most recent value used



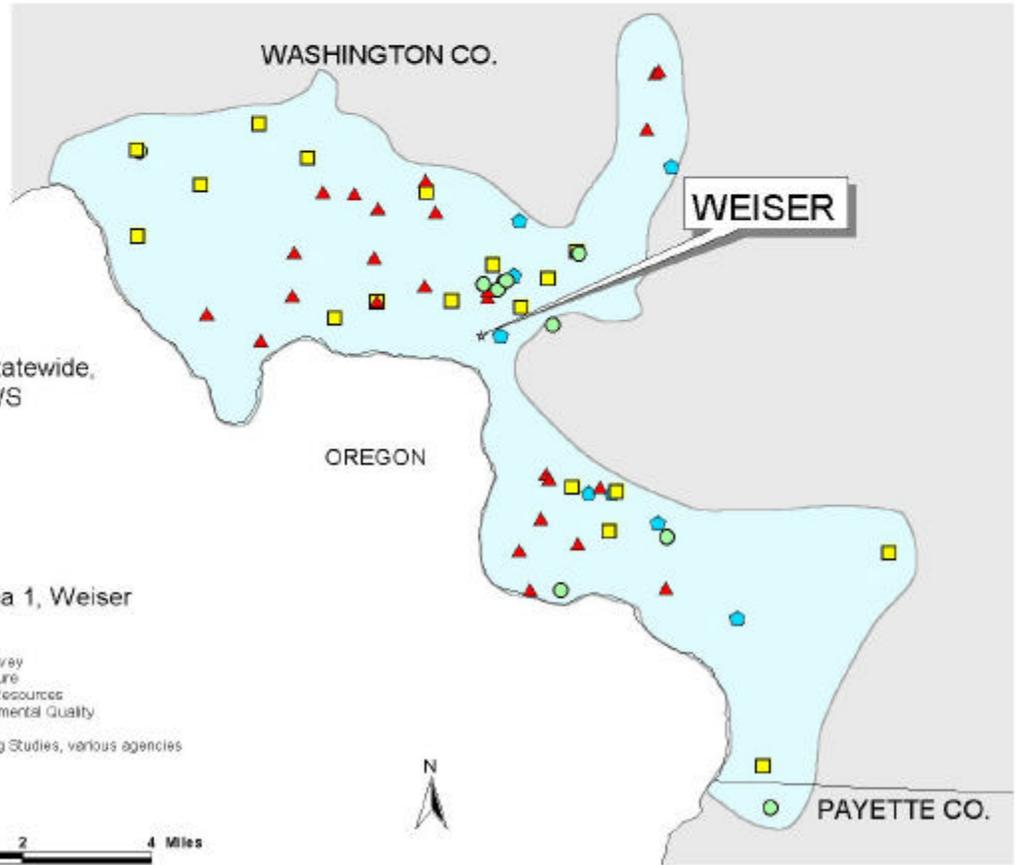
Nitrate Values (mg/l)	Number of Sites
>= 10	29
5 - 9.99	18
2 - 4.99	10
< 2	8

MAXIMUM VALUE = 29.5
 MINIMUM VALUE = 0.0
 MEDIAN = 9.0
 AVERAGE = 9.9
 MODE = 6.7

TOTAL NUMBER OF SITES = 65
 TOTAL NUMBER OF PWS SITES = 11

No. Sites Nitrate >= 2 mg/l = 57
 No. Sites Nitrate >= 5 mg/l = 47
 No. Sites Nitrate >= 10 mg/l = 29

*Previously referred to as Area #4 for trend analysis



Nitrate Analytical Results - Statewide,
 USGS, IDAG, REG/LOC, PWS

- ▲ >=10 mg/l
- 5 - 9.99 mg/l
- 2 - 4.99 mg/l
- ◆ <2 mg/l
- Nitrate Priority Area 1, Weiser

USGS = United States Geological Survey
 IDAG = Idaho Department of Agriculture
 DWR = Idaho Department of Water Resources
 IDEQ = Idaho Department of Environmental Quality
 PWS = Public Water System
 REG/LOC = Regional/Local Monitoring Studies, various agencies
 mg/l = milligrams per liter

