

Priority Area Number: 12		Priority Area Name: Homedale/Marsing	
Ranking Criteria		Score	Comments
1) POPULATION			
	Points	Select One	
a) Within Priority Area			
<1000	1	X	1 Population = 840
1000 to 10,000	2		
10,000 to 100,000	3		
		Subtotal	1
b) Source Water Protection Areas or Public Water System wells in Priority Area			
0	0		
1 to 20	1	X	4 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	19 Wells
		Subtotal	5
		Population Score	7
		Max Possible Score = 10	
2) WATER QUALITY			
	% wells	Nitrate Concentration Criteria	
Percent of wells with Nitrate (NO ₃) ≥ 2 mg/l	41%	2	0.82
Percent of wells with Nitrate (NO ₃) ≥ 5 mg/l	30%	5	1.5
Percent of wells with Nitrate (NO ₃) ≥ 10 mg/l	27%	10	2.7
		Water Quality Total	5.02
3) WATER QUALITY TRENDS			
		Select One	
Increasing	10		
No Discernable Trend	5	X	5
Decreasing trend	0		
		Trend Score	5
		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	17.02

**NITRATE PRIORITY AREA # 12
HOMEDALE/MARSING**

Nitrate Concentrations: (mg/l)

Minimum Value	0
Maximum Value	38.2
Average Value	5.85
No. Samples \geq 10	19
No. Samples 5 – 9.99	2
No. Samples 2 – 4.99	8
No. Samples < 2	41
No. Samples \geq 2	29
No. Samples \geq 5	21
No. Samples \geq 10	19
% Samples \geq 2	41%
% Samples \geq 5	30%
% Samples \geq 10	27%
Total Samples	70
No. PWS Samples	4
No. SMN Samples	36
No. IDAG Samples	8
No. REG/LOC Samples	22

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 include:

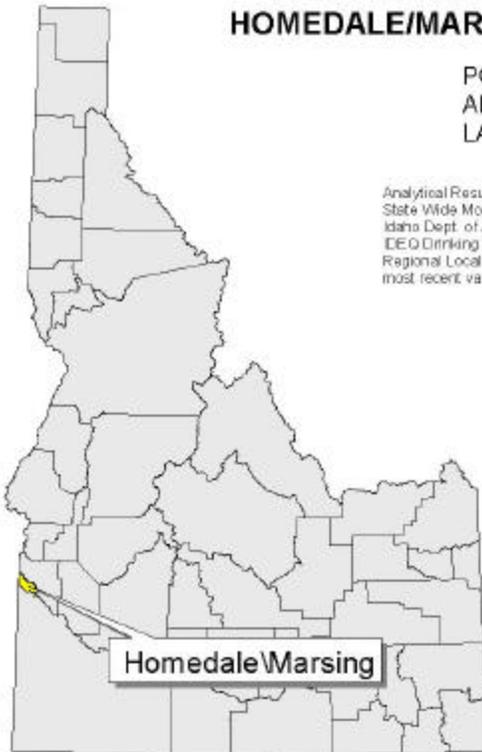
1998 Follow-Up Study, IDEQ

1999-2000 North Owyhee County, Marsing, Homedale; IDEQ & IDAG

1999 - 2000 GROUP 1 NITRATE PRIORITIZATION HOMEDALE/MARSING PRIORITY AREA 12* (RANKED)

POPULATION (Est.) = 840
 AREA (Est.) = 50,914 Acres
 LAND USE = Irrigated Agriculture, with some
 Urban & Range Land

Analytical Results for Nitrate Data Sources:
 State Wide Monitoring Network (USGS/DWR), 8 sites, most recent analysis used
 Idaho Dept. of Agriculture, 36 sites, most recent analysis used
 DEQ Drinking Water Information System (DWIMS), 4 PWS, 1999-2000 data, highest value used
 Regional Local Monitoring (DEQ-1998 Follow Up & DEQ/IDAG-1999-2000 North Cwyhee Co.) 22 sites,
 most recent value used



Nitrate Values (mg/l)	Number of Sites
>= 10	19
5 - 9.99	2
2 - 4.99	8
< 2	41
MAXIMUM VALUE = 38.2	
MINIMUM VALUE = 0.0	
MEDIAN = 0.3	
AVERAGE = 5.9	

TOTAL NUMBER OF SAMPLING SITES = 70
 TOTAL NUMBER OF PWS PWS = 4
 No. Sites Nitrate >= 2 mg/l = 29
 No. Sites Nitrate >= 5 mg/l = 21
 No. Sites Nitrate >= 10 mg/l = 19

*Previously referred to as Area 8 for trend analysis

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

- ▲ >= 10 mg/l
- 5 - 9.99 mg/l
- 2 - 4.99 mg/l
- <2 mg/l

Nitrate Priority Area 12,
Homedale/Murphy

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

