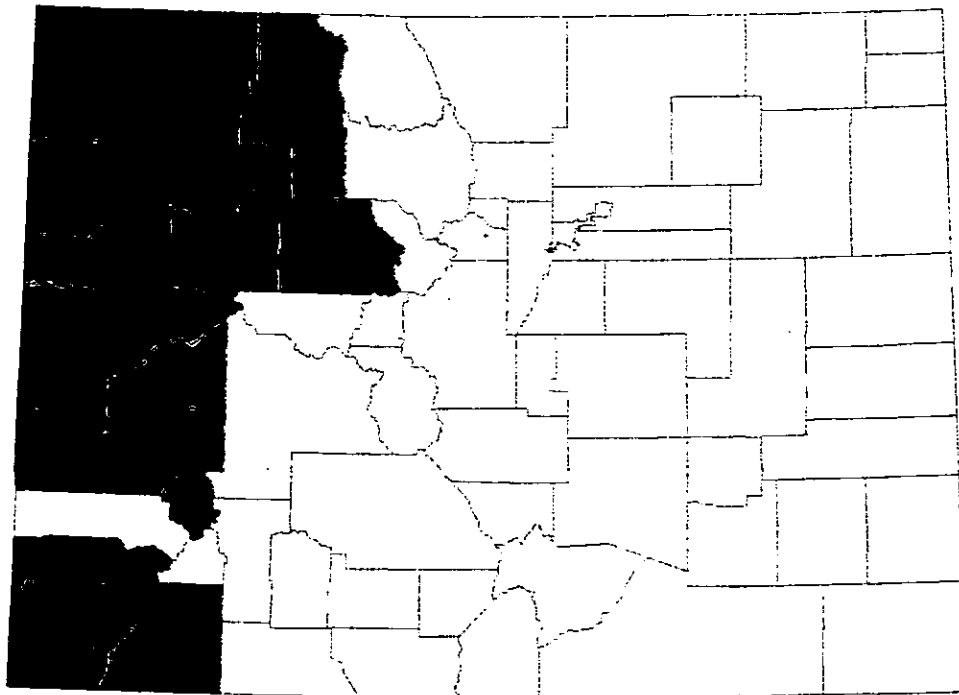


**Report to the
Commissioner of Agriculture
Colorado Department of Agriculture**



**Ground Water Monitoring Activities
West Slope of Colorado
1998**

**Bradford Austin
Agricultural Chemicals Program
Water Quality Control Division
Colorado Department of Public Health and Environment**

**COLORADO DEPARTMENT of PUBLIC HEALTH
and ENVIRONMENT**

**Water Quality Control Division
Ag Chemicals Program**

EXECUTIVE SUMMARY

The Water Quality Control Division (WQCD) of the Colorado Department of Public Health and Environment (CDPHE) has responsibility under the Agricultural Chemicals and Ground Water Protection Program (SB 90-126) to conduct monitoring for the presence of commercial fertilizers and pesticides in ground water. This data assists the Commissioner of Agriculture in determining whether agricultural operations are impacting ground water quality.

This report has been prepared to provide a summary of the ground water monitoring work completed in 1998. In April, 1998, the program began a regional ground water quality baseline study for the West Slope region of Colorado. The West Slope of Colorado includes all of Colorado west of the continental divide. The majority of the ground water sampled on the west slope occurs along stream and river valleys in alluvial deposits with some local aquifers on the larger mesas. The agriculture in this region is dominated by ranching with associated hay production.

Ninety samples have been collected to date with more samples planned for the future. All sample points to date are from existing wells that are privately owned and permitted as domestic wells. All well samples were analyzed for basic ions, nitrate and 45 pesticides (Table 1).

Nitrate analysis showed that twenty nine (29) well samples (36 %) reported less than 0.5 mg/L (the laboratory detection limit) Nitrate as N, or non detects. Fifty one (51) well samples (63 %) tested positive for nitrate in the range of 0.5 to 9.9 mg/L. Only one well exceeded the nitrate drinking water standard of 10 mg/L. Pesticide data revealed one well containing the pesticide Malathion. There were no well samples that exceeded a water quality standard for a pesticide in this survey.

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LIST OF ACRONYMS USED IN THIS REPORT

CDPHE	Colorado Department of Public Health and Environment
CDA	Colorado Department of Agriculture
CSU	Colorado State University
EPA	United States Environmental Protection Agency
GIS	Geographic Information System
MCL	Maximum Contaminate Level
mg/L	Milligrams per Liter (for water equivalent to parts per million)
QA	Quality Assurance
QC	Quality Control
SB 90-126	Senate Bill 90-126 of the Colorado General Assembly
ug/L	Micrograms per Liter (for water equivalent to parts per billion)
USDA	United States Department of Agriculture
WQCD	Water Quality Control Division of the Colorado Department of Public Health and Environment

INTRODUCTION

The Water Quality Control Division (WQCD) of the Colorado Department of Public Health and Environment (CDPHE) has responsibility under the Agricultural Chemicals and Ground Water Protection Program (SB 90-126) to conduct monitoring for the presence of commercial fertilizers and pesticides in ground water. The Agricultural Chemicals Program has been established to provide current, scientifically valid, ground water quality data to the Commissioner of Agriculture. Prior to passage of SB 90-126, a lack of data had prevented an accurate assessment of impacts to ground water quality from agricultural operations. This program will assist the Commissioner of Agriculture in determining to what extent agricultural operations are affecting ground water quality. The program also assists the Commissioner in identifying those aquifers that are vulnerable to contamination. The philosophy adopted is to protect ground water and the environment from impairment or degradation due to the improper use of agricultural chemicals, while allowing for their proper and correct use.

This report has been prepared to provide a summary of the Western Slope ground water monitoring program initiated in April 1998. The monitoring program involved the collection and laboratory analysis of ground water samples from private wells located throughout the Western Slope region of Colorado. This monitoring program was planned to meet the objectives necessary for a preliminary determination of the existence of agricultural chemicals in the ground water in a safe, cost effective, and timely manner.

The ground water quality sampling program is intended to fulfill the following objectives:

1. Determine if agricultural chemicals are present in the ground water.
2. Provide data to assist the Commissioner of Agriculture in the identification of potential agricultural management areas.

The factors considered in selecting an area for monitoring are:

1. Agricultural chemicals are used in the area.
2. The ground water in the area is shallow in depth or vulnerable.
3. The majority of the agricultural chemical use is on irrigated land.
4. The soil types are conducive to leaching.
5. The alluvial and /or shallow bedrock aquifers are utilized for domestic water supplies.

Before an area is selected for monitoring, CDPHE contacts interested parties to inform them of the sampling program and SB 90-126, and how we envision its implementation. CDPHE then coordinates closely with federal agencies, county extension agents, conservancy districts, and local health officials in the project area.

GROUND WATER MONITORING PROGRAM

The 1998 monitoring program focused on ground water quality on the Western Slope of Colorado. Colorado's West Slope region includes all of the state west of the Continal Divide of the Rocky Mountains. The Western Slope in Colorado comprises an area over thirty eight thousand (38,000) square miles. Agriculture was the original foundation for the economy in this region and still comprises the largest land use. The majority of the agriculture in the region is range land or pasture with hay as the major crop.

The Western Slope survey is the largest sampling project in geographic area the program has ever attempted. Ninety samples have been collected to date during April - October, 1998 (Figure 1). In all cases, existing wells were used. Most of these wells were privately owned and permitted as domestic wells. This initial survey of 90 samples is only a beginning and well coverage is not uniformly distributed as efforts were concentrated in those areas representative of irrigated agriculture.

Wells were selected for sampling based on a favorable location within the irrigated or cropped areas and existence of a shallow ground water deposit. General well and site conditions, and cooperation of the well owner were important factors. The wells were sampled once between April and October, 1998 by Bradford Austin and CDPHE staff. Field sampling procedures followed the protocol developed by the ground water quality monitoring working group of the Colorado nonpoint task force.

Well samples were analyzed for basic water quality constituents, nitrate, and selected pesticides. A list of analytes is presented in Table 1. The basic inorganic analysis was performed by the Soils Laboratory at CSU with all samples split with the CDA Standards Laboratory for nitrate.

Comparison of the split parameters shows consistent results between the two laboratories. For well samples WS98-001 thru WS98-019 a limited inorganic analysis was done at the CDPHE Laboratory. The Colorado Department of Agriculture, Standards Laboratory performed the laboratory analysis for nitrate as nitrogen and selected pesticides. Temperature, conductivity, and total dissolved solids were measured in the field.

The pesticide analysis was compiled based on those pesticides that have recently been, or are currently being utilized in the area according to local agricultural representatives. Budget restrictions would not allow testing for all pesticides used in the study area. To reduce the analysis cost, each pesticide was weighted according to its chemical properties of persistence and mobility in the environment, amount of active ingredient used per acre, and the amount of acreage within the study area on which that pesticide was used. Pesticides were then selected according to their final score and the ability of the laboratory to detect their presence.

Sampling locations Western Slope Colorado 1998

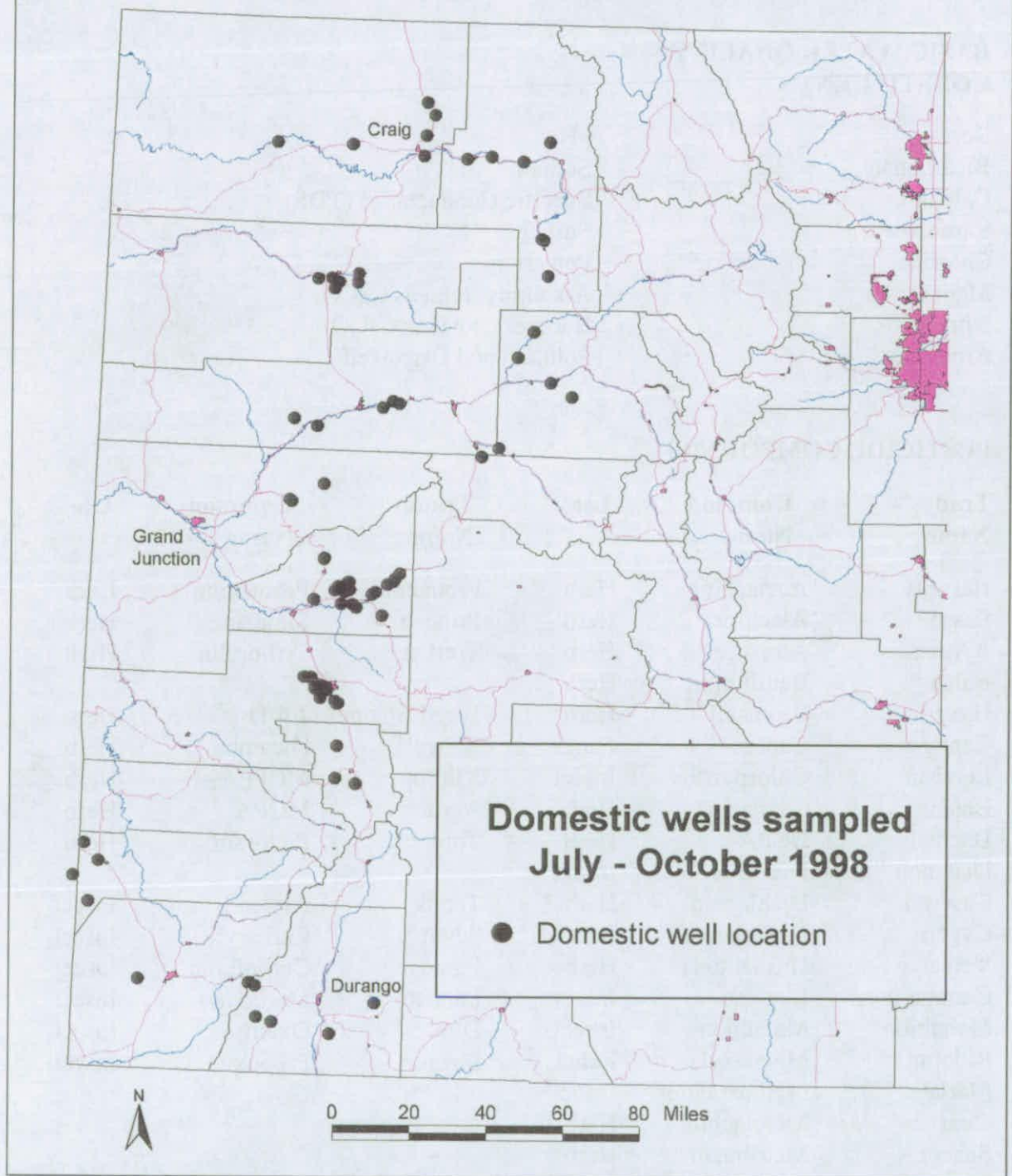


FIGURE 1 - Study area and sampling locations. Map showing the extent of the Western Slope study area and well locations sampled in 1998.

TABLE 1 - LIST OF ANALYTES

**Colorado Western Slope
Ground Water Analysis, 1998**

**BASIC WATER QUALITY
CONSTITUENTS**

Boron	pH
Bicarbonate	Sodium
Calcium	Specific Conductance (TDS)
Carbonate	Sulfate
Chloride	Potassium
Magnesium	Alkalinity, total as CaCO ₃
Nitrate	Hardness, total as CaCO ₃
Ammonia	Solids, Total Dissolved

PESTICIDE COMPOUNDS

Trade Name	Common Name	Use	Trade Name	Common Name	Use
Harness	Acetachlor	Herb	Prometon	Prometone	Herb
Lasso	Alachlor	Herb	Princep	Simazine	Herb
AAtrex	Atrazine	Herb	Treflan	Trifluralin	Herb
Balan	Benfluralin	Herb			
Hyvar	Bromacil	Herb	Weed BGone	2,4-D	Herb
Captane	Captan	Fungi	Banvel	Dicamba	Herb
Lorsban	Chlorpyrifos	Insect	Kilprop	MCP	Herb
Bladex	Cyanazine	Herb	Agritox	MCPA	Herb
Dacthal	DCPA	Herb	Tordon	Picloram	Herb
Diazinon	Diazinon	Insect			
Casoron	Dichlobenil	Herb	Temik	Aldicarb	Insect
Cygon	Dimethoate	Insect	Sevin	Carbaryl	Insect
Velpar	Hexazinone	Herb	Furadan	Carbofuran	Insect
Gamma-mech	Lindane	Insect	Lannate	Methomyl	Insect
Malathion	Malathion	Insect	DPX	Oxamyl	Insect
Ridomil	Metalaxyl	Fungi	Baygon	Propoxur	Insect
Marlate	Methoxychlor	Insect			
Dual	Metolachlor	Herb			
Sencor	Metribuzin	Herb			
Prowl	Pendimethalin	Herb			

GROUND WATER MONITORING RESULTS

The results from this sampling program have been entered into the CDPHE Ground Water Quality Data System, a database specifically designed and maintained by the WQCD to store ground water quality data. Reports may be generated from the database on ground water quality for any area of the state from all data sources available. A complete printout of all water quality data from this survey is provided in the Appendix.

Analysis of the nitrate data indicates that ground water in the majority of the area sampled does not show a significant impact from nitrate contamination. Nitrate analysis showed that only one well sample exceeded the nitrate drinking water standard of 10 mg/L. This compares quite favorably with other areas of the state where nitrate

exceedences ranged from 10% to 34% of the samples. While overall nitrate levels were low, this contaminate was present in 63% of the samples, with 36% of the wells testing non-detect for nitrate. The drinking water standard is used as a benchmark for nitrate levels in all wells regardless of current use. In the West Slope study, all wells sampled were domestic supply wells.

Only one (1) of the eighty one (81) wells sampled (<1%) showed a nitrate level in excess of the EPA standard for drinking water (10 mg/L). Twenty nine (29) wells (36%) tested below the detection level of 0.5 mg/L. The remaining fifty one (51) wells (63%) tested positive for nitrate but were below the EPA standard (Figure 2).

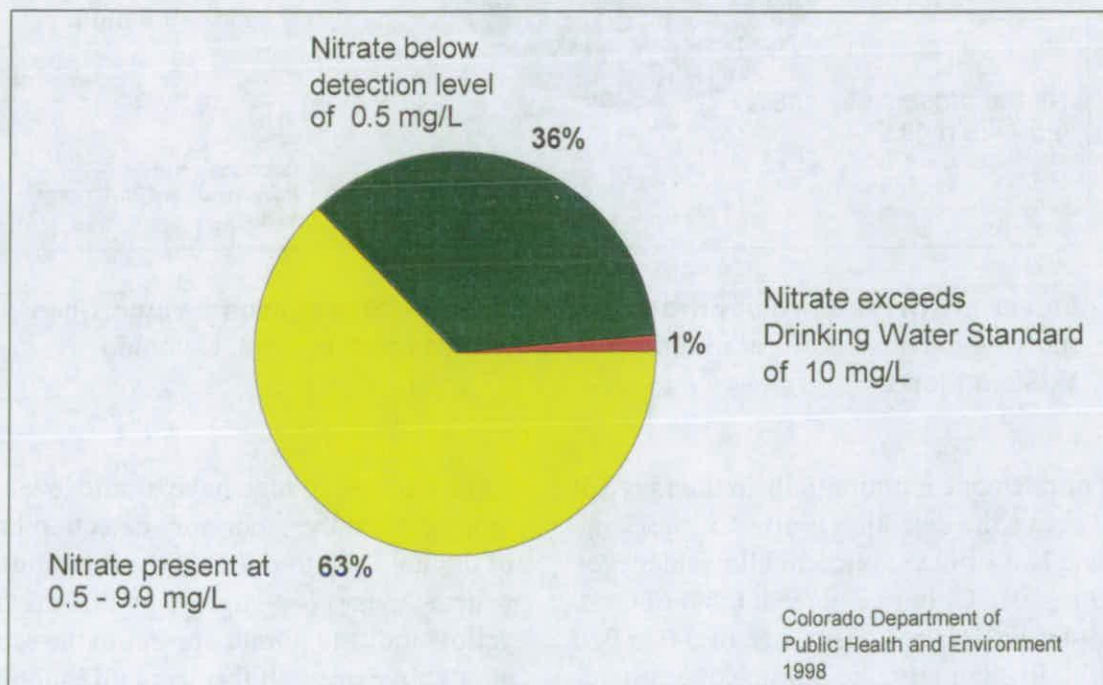


FIGURE 2 - Nitrate levels in Western Slope ground water Chart showing distribution of nitrate levels in wells sampled in 1998, Colorado West Slope.

Due to the unusually high percentage of well samples falling into the 0.5 to 9.9 mg/L concentration range for nitrate (63%), a second graph was prepared to provide more information on nitrate concentrations.

In Figure 3 below, we see that in fifty eight percent (58%) of the wells sampled,

A map prepared on a geographic information system (GIS) (Figure 4) shows the location of the wells and the nitrate results graphed in Figures 2 and 3. Wells on the map have been color coded according to the nitrate level measured in the well. The wells displayed in green tested below the laboratory detection level of 0.5 mg/L. The

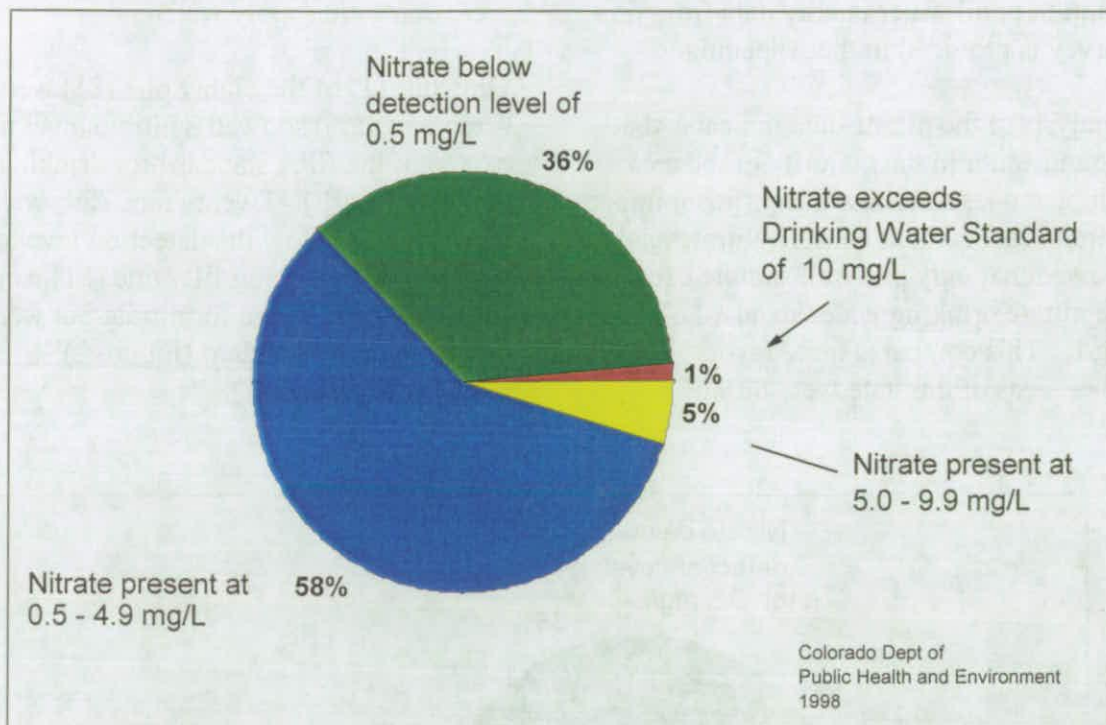


FIGURE 3 - Breakdown of nitrate levels in Western Slope ground water Chart showing the breakdown of nitrate levels in wells sampled in 1998, Colorado Western Slope.

the nitrate concentration falls in the range of just above the detection limit (0.5 mg/L) up to one half of the maximum allowable level (4.9 mg/L). Only five percent (5%) of the samples fall in the upper range of 5.0 to 9.9 mg/L. In summary, the nitrate concentration is less than one half the maximum limit for drinking water in ninety four percent (94%) of the samples.

wells mapped in blue have nitrate levels ranging from the laboratory detection level of 0.5 mg/L up to one half the drinking water standard (4.9 mg/L). Wells shown as yellow indicate nitrate present in the sample at or above one half the standard (5.0 mg/L) but less than 10 mg/L. Wells mapped as red indicate a nitrate level exceeding the EPA drinking water standard of 10 mg/L.

Nitrate levels and well locations Western Slope Colorado 1998

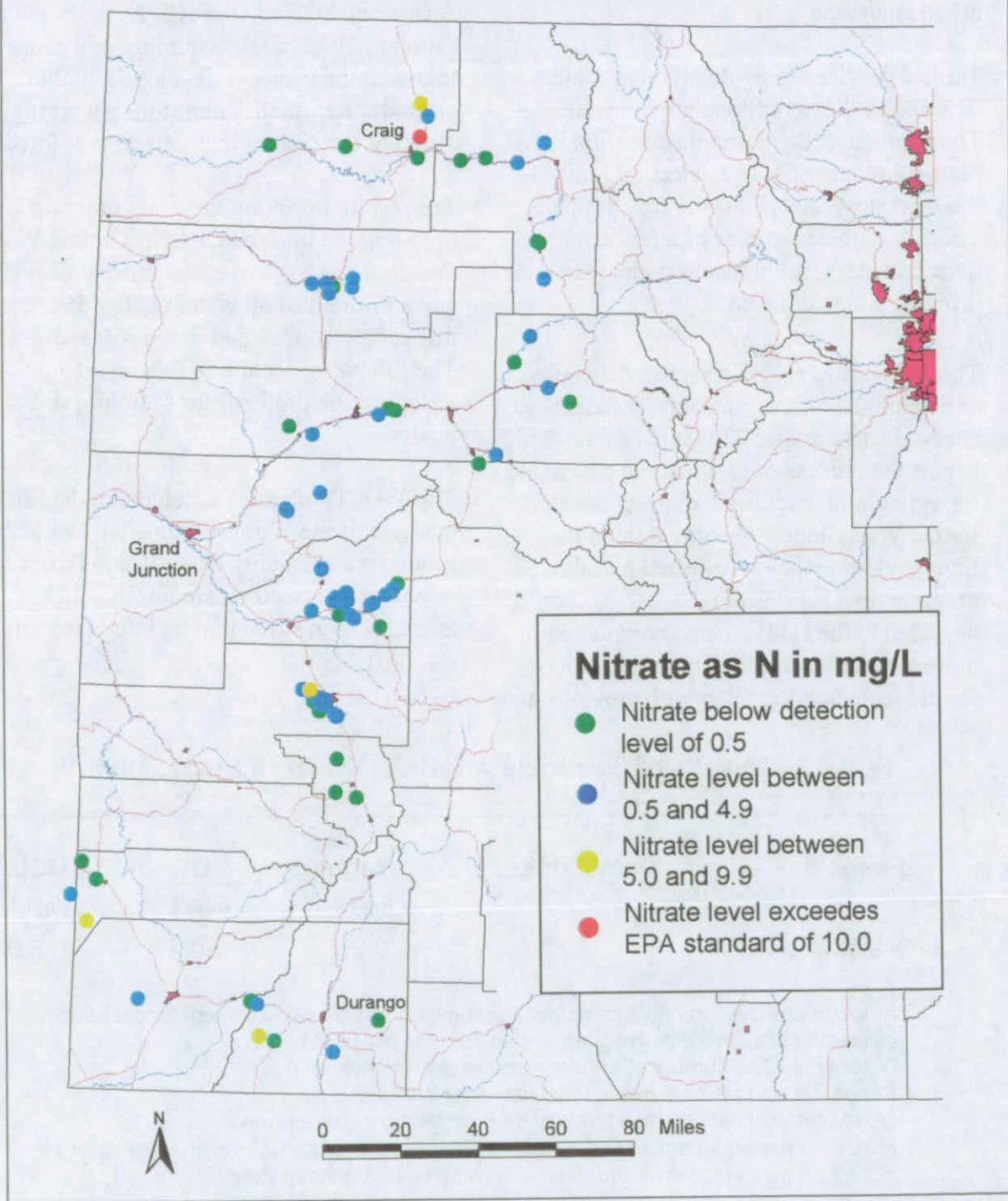


FIGURE 4 - Location of wells and nitrate levels. Map showing the locations and nitrate levels in ground water, Western Slope study area, 1998.

Pesticide data revealed only one pesticide, Malathion, present in the well samples. Malathion is a widely used insecticide labeled for insect control on many crops including sweet corn, alfalfa, and orchards. Malathion is also extensively used in the urban landscape.

Table 2 provides more detail on pesticides detected in Western Slope ground water. The location of the pesticide detection is plotted in Figure 5. The detection limit of the laboratory analysis is 0.1 ug/l or ppb. There was no occurrence of a pesticide detection at a level higher than the EPA drinking water standard.

The monitoring program included sample collection, laboratory analysis, and data analysis and storage. This initial survey only begins the process of establishing a baseline for agricultural chemicals in ground water for the West Slope. At some time in the future, additional data collected by this program, local and Federal agencies should be added to the study. Upon completion of more sampling and a full analysis, which should include integration with previous and

current studies by other agencies, the resulting sampling program will provide the basis for determining a ground water quality baseline for this region.

All sampling was performed by Bradford Austin and staff of CDPHE, April through October, 1998. Field sampling procedures followed the protocol developed by the ground water quality monitoring working group of the Colorado nonpoint task force.

The results from this sampling program have been entered into the CDPHE Ground Water Quality Data System maintained at CDPHE and a printout of all water quality data from this survey is provided in the Appendix. The following section in this report describes the protocol for sampling and analysis.

The WQCD intends to include, in the final analysis of the Western Slope, all available ground water quality data. Results from previous and ongoing studies by other agencies in the area will be integrated into this analysis.

TABLE 2 - Results of Pesticide Analysis, Western Slope, 1998.

Pesticide	Detections	Range (ug/L)	DL (ug/L)	MCL (ug/L)
✓ Malathion	1	0.23	0.1	3.0

Amounts are given in micrograms per liter (ug/L), a unit of measurement for pesticide concentrations. In water this is equivalent to parts per billion.

Detections - The number of wells testing positive for that pesticide.

Range - The range of concentration values for that pesticide.

DL - Minimum concentration that can be detected by the laboratory.

MCL - the maximum amount allowed in drinking water, if no MCL has been established the number given is the lifetime drinking water health advisory.

Pesticide detection and well location Western Slope Colorado 1998

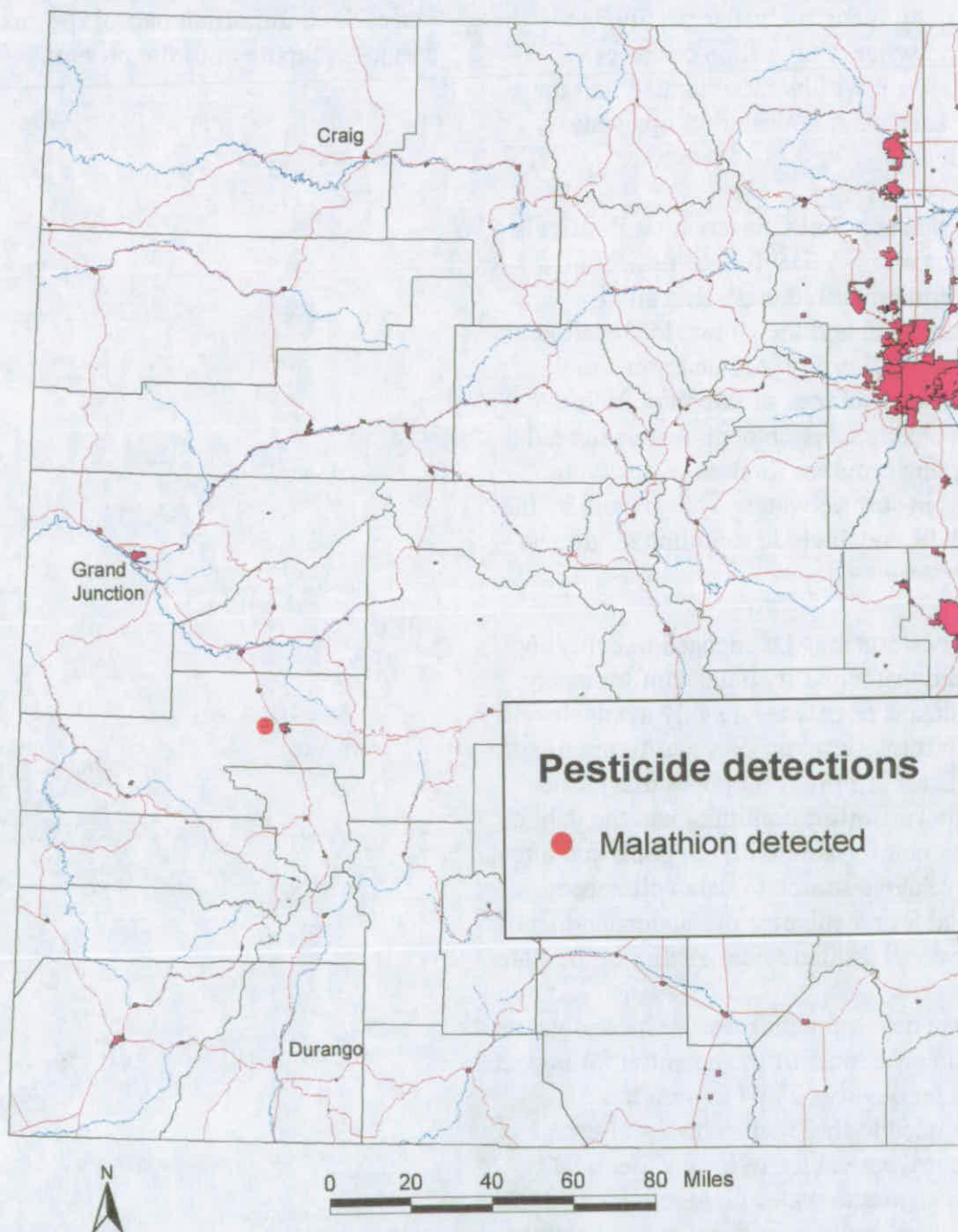


FIGURE 5 - Location of pesticide detection. Map showing the location and type of pesticide detected in ground water, Western Slope study area, 1998.

Future additions and actions in this area

The US Geological Survey (USGS) is in year three of their monitoring activities in the Upper Colorado Basin under the National Water Quality Assessment (NAWQA) program. Most NAWQA data in this study is surface water quality, but as the ground water data portion becomes available, it will be incorporated into the final analysis for Western Slope water quality.

The Shavano Soil Conservation District is leading an EPA 319 funded project in cooperation with the US Bureau of Reclamation and the Colorado Department of Natural Resources to determine the effects and sources of selenium in the Uncompahgre watershed. At this time, the sampling program focuses on selenium levels in surface water. Future work by the USBOR may include sampling of ground water drains.

Other efforts may be engaged in collecting ground water quality data. Unfortunately, this data is not always readily available due to concerns about privacy and future use of the data. The program hopes that as the monitoring effort continues and the public grows comfortable with our goals and intent, this valuable source of data will become available and enhance our understanding of the overall ground water quality of the state.

Recent development pressure has heightened public awareness of the potential for impacts to water quality. The Program has responded to these concerns by offering technical assistance to local water quality groups, ground water management districts, and other local water suppliers and entities interested in evaluating water quality in their

area. Presentations of how the program works, past and present water quality projects, and plans for future projects with request for local input are made at every opportunity. We consider this type of outreach an important part of the customer service component of the program.

FIELD OPERATIONS

Scheduling

All wells were scheduled for sampling by WQCD personnel between April and October, 1998. The exact dates for sampling were subject to laboratory schedules, sample holding times, well owner availability, and travel times.

Sample Well Selection

The rationale used in selecting wells for this monitoring project are listed below.

1. Low flow, domestic use wells are preferred;
2. Completed within the uppermost aquifer in the area;
3. Well currently in use or at least has a working pump installed;
4. Direction of ground water flow;
5. Wellhead and casing in good physical condition and availability of completion information documentation;
6. Wellhead area free of point sources of contamination;
7. Well owner consent to participate in the monitoring program;

The ground water contaminants of concern that may be encountered in the area include nitrates and pesticides, other contaminates may exist in minor amounts.

Key Personnel

The sampling survey was conducted by:

Bradford Austin, Ground Water Geologist and Program Manager
Bill Crick, Ground Water Geologist
Mike Liuzzi, Ground Water Specialist

Site Access and Logistics

Access to the sampling sites and scheduling with land owners will be the responsibility of the field personnel. Consent for access to the property and for sampling the well will have been received prior to site entry.

QUALITY ASSURANCE / QUALITY CONTROL

Sample Collection Methods

All samples were collected in accordance with the Non-Point Source Task Force protocol for sampling of ground water. Samples were collected from existing wells via outside hydrants or whatever means available prior to any type of treatment (i.e. water softener). As a rule of thumb, three times the volume of water in the well casing plus any volume contained within the associated piping was purged prior to sampling. Rather than attempt to calculate these volumes, a determination of when fresh formation water has reached the point of sampling was verified by measuring pH, conductivity and temperature. A field portable instrument for measuring pH, conductivity and temperature was used for this purpose at each well site. For each well, the pH, conductivity and temperature were measured at periodic intervals (approximately every 5 minutes) while the well was being purged. Water samples were collected when solution chemistry of the ground water had stabilized such that three consecutive readings were within 5 %. It can be reasonably assumed that a stabilization in the values of these parameters indicates that the casing and piping have been purged and fresh formation water had reached the sampling point.

Negative bias (loss of constituent) is of significant concern in sampling for volatile compounds. Therefore, great care was taken in sample collection to minimize degassing by operating the sampling port at a low volume. Samples for volatile constituents and those samples that require field filtration were collected first. Samples for

nitrate and inorganic analysis were collected next. If samples were collected for dissolved metals analyses they were filtered in the field with a 0.45 micron size filter.

In addition, the sampling team collected quality assurance samples consisting of field blanks and periodic duplicate samples. Field blanks were utilized for field QA/QC performance and subjected to all conditions to which the samples were exposed. Duplicate samples were prepared for lab calibration checks.

The following types of samples were provided for quality assurance:

- Field Blank

A blank ground water sample was periodically collected to check field decontamination procedures. The blank was prepared by pouring laboratory supplied deionized water through decontaminated sampling equipment following the collection of possible contaminated samples.

- Duplicates

Random duplicate ground water samples were collected to compare laboratory analysis procedures as well as sample collection procedure.

Ground water samples were protected from undue exposure to light during handling, storage, and transport. Samples were stored on ice to prevent temperature extremes and transported to the CDA, or CSU laboratory and analyzed within the recommended holding periods. Documentation of actual sample storage and treatment were handled as part of the chain of custody procedures.

Decontamination Procedures

Wells were sampled to minimize the potential for cross contamination. Decontamination procedures were adhered to between each sampling event. All common sampling equipment was decontaminated prior to and between all sampling events by washing with a non phosphate detergent and triple rinsing with deionized water. Since pesticides were the constituents of most concern due to the low levels detectable, no sampling equipment was common between wells for the pesticide sampling.

Control of Contaminated Materials

The sampling team disposed of all wastes produced during the investigation in accordance with Federal and State regulations. Disposable sampling equipment was bagged, removed from the site, and disposed of as a nonhazardous material.

Laboratory Analyses

All water samples were analyzed for selected pesticides currently used in the area and basic inorganic minerals including nitrate. Table 3 provides a listing of the laboratories used, the chemicals analyzed by each, and the detection limits for each analysis. All collected samples (classified as environmental samples) were transported to the designated laboratory as medium hazard

and analyzed accordingly. EPA analytical methods for each parameter group were as follows:

pesticides	solid phase extraction: GC/MSD
inorganics	varies with analyte

Sample bottles were provided by the lab and were part of the quality control program. All samples were handled and preserved in accordance with the requirements of the laboratory used for that analysis. Calibration and operation of all monitoring equipment followed the instrument manufacturer's instructions.

Chain of Custody

All samples were handled in accordance with standard laboratory chain of custody protocol after collection and identification.

Table 3 - Laboratories, Methods and Detection Levels**Colorado Department of Agriculture Standards Laboratory****PESTICIDE ANALYSIS**

Pesticide Trade Name	Pesticide Common Name	Pesticide Use	Chemical Type	EPA Method	MDL (ug/L)
Harness	Acetachlor	Herb	acetoalinide	525.1	0.1
Lasso	Alachlor	Herb	OrganoCL	525.1	0.1
AAtrex	Atrazine	Herb	Triazine	525.1	0.1
	Deethyl Atrazine		Triazine	525.1	0.2
	Deisopropyl Atrazine		Triazine	525.1	0.2
Balan	Benfluralin	Herb	OrganoFL	525.1	0.2
Hyvar	Bromacil	Herb	uracil	525.1	0.4
Captane	Captan	Fungi	carboximide	525.1	1.4
Lorsban	Chlorpyrifos	Insect	OrganoPH	525.1	0.1
Bladex	Cyanazine	Herb	Triazine	525.1	0.2
Dacthal	DCPA	Herb	phthalic acid	525.1	0.1
Dazzel	Diazinon	Insect	OrganoPH	525.1	0.2
Barrier	Dichlobenil	Herb	nitrile	525.1	0.1
Cygon	Dimethoate	Insect	OrganoPH	525.1	0.5
	p,p-DDT	Insect	OrganoCL	525.1	0.4
	Endrin	Insect	OrganoCL	525.1	0.3
	Heptachlor	Insect	OrganoCL	525.1	0.6
	Heptachlor epoxide	Insect	OrganoCL	525.1	0.8
Velpar	Hexazinone	Herb	Triazine	525.1	0.1
Gamma-mean	Lindane	Insect	OrganoCL	525.1	0.1
Malathion	Malathion	Insect	OrganoPH	525.1	0.1
Ridomil	Metalaxyl	Fungi	acylalanine	525.1	0.2
Marlate	Methoxychlor	Insect	OrganoCL	525.1	0.9
Dual	Metolachlor	Herb	acetamide	525.1	0.1
Sencor	Metribuzin	Herb	Triazine	525.1	0.5
Prowl	Pendimethalin	Herb	dinitroaniline	525.1	1.2
Primatol	Prometon	Herb	triazine	525.1	0.1
Princep	Simazine	Herb	triazine	525.1	0.2
Treflan	Trifluralin	Herb	OrganoFL	525.1	0.3
Weed B Gone	2,4-D	Herb	PhenoxyAcid	515.2	0.2
Banvel	Dicamba	Herb	BenzoicAcid	515.2	0.1
Kilprop	MCP	Herb	PhenoxyAcid	515.2	2.0
Agritox	MCPA	Herb	PhenoxyAcid	515.2	2.0
Tordon	Picloram	Herb	PicolinicAcid	515.2	0.35

Table 3, continued - Laboratories, Methods and Detection Levels**Colorado Department of Agriculture Standards Laboratory****PESTICIDE ANALYSIS**

Pesticide Trade Name	Pesticide Common Name	Pesticide Use	Chemical Type	EPA Method	MDL (ug/L)
Temik	Aldicarb	Insect	Carbamate	531.1	1.0
	Aldicarb sulfone		Carbamate	531.1	2.0
	Aldicarb sulfoxide		Carbamate	531.1	2.0
Sevin	Carbaryl	Insect	Carbamate	531.1	2.0
Furadan	Carbofuran	Insect	Carbamate	531.1	1.5
	3-Hydroxycarbofuran		Carbamate	531.1	2.0
	Methiocarb		Carbamate	531.1	4.0
Lannate	Methomyl	Insect	Carbamate	531.1	1.0
	1-Naphthol		Carbamate	531.1	1.0
DPX	Oxamyl	Insect	Carbamate	531.1	2.0
Baygon	Propoxur	Insect	Carbamate	531.1	1.0

INORGANIC ANALYSIS

	EPA Method	MDL (mg/L)
Nitrate/Nitrite as N	300	0.5

Colorado State University Soil, Water, and Plant Testing Laboratory**ROUTINE WATER ANALYSIS**

Basic Water Quality Parameters	Method	Reporting Limit (mg/L)
Boron	EPA 200.0	0.01
Bicarbonate	APHA 2320B	0.1
Calcium	EPA 200.0	0.1
Carbonate	APHA 2320B	0.1
Chloride	EPA 300.0	0.1
Magnesium	EPA 200.0	0.1
Nitrate	EPA 300.0	0.1
pH	EPA 150.1	0.1 pH unit
Sodium	EPA 200.0	0.1
Specific conductance (TDS)	EPA 120.1	1.0 uS/cm
Sulfate	EPA 300.0	0.1
Potassium	EPA 200.0	0.1
Alkalinity, total	Titration	1.0
Solids, Total Dissolved	Gravimetric	10.0
Hardness, total as CaCO ₃	Calculation	1.0

Appendix

WELL ID	COUNTY	Date	pH	conduct mg/L	calcium mg/L	magnesium mg/L	sodium mg/L	potassium mg/L	boron mg/L	carbonate mg/L	bicarbonate mg/L	sulfate mg/L
WS98-001	Delta	3/31/98	7.7	3070								1700
WS98-002	Delta	3/31/98	7.5	692								37
WS98-003	Delta	3/31/98	7.5	1071								22
WS98-004	Montrose	3/31/98	7.4	1214								380
WS98-005	Montrose	3/31/98	8.1	877								120
WS98-006	Delta	4/1/98	7.2	837								86
WS98-007	Delta	4/1/98	7.1	721								89
WS98-008	Delta	4/1/98	6.4	4180								2200
WS98-009	Delta	4/1/98	6.5	1527								670
WS98-011	Delta	4/1/98	6.6	679								69
WS98-012	Delta	4/1/98	6.6	2260								940
WS98-013	Delta	4/1/98	6.8	999								160
WS98-014	Montrose	4/2/98		1421								480
WS98-015	Montrose	4/2/98		838								180
WS98-016	Montrose	4/2/98		716								130
WS98-017	Montrose	4/2/98	7.2	675								120
WS98-018	Montrose	4/2/98	7.1	935								200
WS98-019	Montrose	4/2/98	7.2	750								170
WS98-021	Rio-Blanco	7/7/98	7.4	620	87.0	27.0	6.6	0.4	0.04	<0.1	323.7	48.1
WS98-022	Rio-Blanco	7/7/98	7.5	3350	504.4	138.1	66.1	2.0	0.03	<0.1	433.7	1616.8
WS98-023	Rio-Blanco	7/7/98	7.2	883	131.6	40.0	11.5	1.7	0.04	<0.1	331.6	162.7
WS98-024	Rio-Blanco	7/7/98	7.5	975	91.0	58.1	48.2	1.4	0.09	<0.1	448.1	112.4
WS98-025	Rio-Blanco	7/7/98	7.5	962	111.2	60.5	19.1	4.2	0.10	<0.1	478.8	120.8
WS98-026	Rio-Blanco	7/8/98	7.5	1080	47.5	29.2	139.1	1.0	0.12	<0.1	332.3	109.6
WS98-027	Routt	7/14/98	7.7	465	80.0	10.7	6.5	1.7	<0.01	<0.1	292.3	5.6
WS98-028	Routt	7/14/98	7.5	226	31.0	6.2	3.8	0.2	<0.01	<0.1	120.3	5.6
WS98-029	Routt	7/14/98	7.6	310	35.1	12.9	9.0	1.1	0.02	<0.1	159.0	20.4
WS98-031	Routt	7/14/98	7.4	721	70.5	32.5	41.5	3.0	0.27	<0.1	277.1	114.3
WS98-032	Routt	7/14/98	8.1	1510	5.3	2.4	361.1	2.0	0.33	<0.1	620.5	186.0

BDL - Below detection limit
listed at head of column

WELL ID	COUNTY	Date	pH	conduct mg/L	calcium mg/L	magnesium mg/L	sodium mg/L	potassium mg/L	boron mg/L	carbonate mg/L	bicarbonate mg/L	sulfate mg/L
WS98-033	Routt	7/15/98	7.2	122	13.5	3.4	6.1	0.7	0.09	<0.1	54.1	7.0
WS98-034	Routt	7/15/98	7.2	410	62.4	14.1	9.6	2.5	<0.01	<0.1	235.4	23.1
WS98-035	Moffat	7/21/98	7.3	885	94.6	17.8	73.5	1.5	0.04	<0.1	500.8	41.4
WS98-036	Moffat	7/21/98	7.4	1250	40.8	4.6	200.3	1.7	0.03	<0.1	215.8	296.0
WS98-037	Moffat	7/22/98	7.3	1310	136.9	15.4	112.3	1.4	0.05	<0.1	417.0	126.8
WS98-038	Moffat	7/22/98	7.4	1890	68.7	12.5	311.1	13.3	0.45	<0.1	1036.2	22.6
WS98-039	Moffat	7/22/98	7.5	250	31.1	2.8	10.1	2.6	<0.01	<0.1	110.5	21.5
WS98-041	Moffat	7/22/98	7.5	2240	82.1	93.9	263.4	1.8	0.29	<0.1	520.9	750.5
WS98-042	Eagle	7/28/98	7.8	3030	465.1	97.9	150.7	6.9	0.11	<0.1	318.5	1344.1
WS98-043	Eagle	7/28/98	7.7	1810	298.4	83.2	27.3	1.8	0.15	<0.1	209.2	913.9
WS98-044	Eagle	7/29/98	7.1	3450	535.3	181.6	107.4	7.9	1.03	<0.1	181.9	1891.1
WS98-045	Eagle	7/29/98	7.5	592	96.0	15.7	8.5	1.1	0.02	<0.1	155.2	177.6
WS98-046	Eagle	8/1/98	7.5	435	49.2	16.7	5.3	2.7	0.03	<0.1	189.3	48.9
WS98-047	Garfield	8/12/98	7.7	656	24.2	35.1	81.0	2.3	0.15	<0.1	432.7	21.9
WS98-048	Garfield	8/12/98	7.5	1470	49.6	80.1	170.5	4.9	0.11	<0.1	358.7	483.8
WS98-049	Garfield	8/12/98	7.5	541	32.8	44.1	15.0	2.8	0.06	<0.1	287.8	58.0
WS98-051	Garfield	8/12/98	8.1	812	6.0	3.1	191.1	2.1	0.05	<0.1	480.3	48.1
WS98-052	Garfield	8/12/98	7.5	2520	69.1	64.7	439.3	5.7	0.25	<0.1	657.6	740.1
WS98-053	Pitkin	8/13/98	7.9	407	60.2	6.9	27.3	1.5	0.03	<0.1	251.7	19.1
WS98-054	Mesa	8/19/98	7.7	1750	75.4	52.9	248.2	5.3	0.13	<0.1	509.8	493.9
WS98-055	Mesa	8/20/98	9.1	841	1.5	0.4	188.9	0.7	0.18	67.0	424.1	17.8
WS98-056	Mesa	8/20/98	7.8	962	56.2	67.7	69.3	1.1	0.15	<0.1	611.5	72.7
WS98-057	Delta	8/25/98	7.6	686	58.0	52.9	13.2	7.2	0.05	<0.1	465.5	<0.1
WS98-058	Delta	8/25/98	7.7	633	74.0	32.8	13.4	5.5	0.04	<0.1	381.3	12.9
WS98-059	Delta	8/26/98	7.9	761	49.4	40.3	60.7	8.1	0.14	<0.1	366.6	113.2
WS98-061	Delta	8/26/98	8.1	361	40.6	17.4	10.2	2.3	0.04	<0.1	225.5	11.3
WS98-062	Delta	8/26/98	7.9	604	54.2	44.5	20.5	1.6	0.06	<0.1	392.3	29.2
WS98-063	Delta	8/26/98	8.3	345	38.7	13.8	13.6	3.1	0.03	<0.1	193.2	35.0
WS98-064	Montrose	9/3/98	7.8	1030	149.0	56.9	24.2	2.5	0.09	<0.1	332.9	367.9

BDL - Below detection limit
listed at head of column

WELL ID	COUNTY	Date	pH	conduct mg/L	calcium mg/L	magnesium mg/L	sodium mg/L	potassium mg/L	boron mg/L	carbonate mg/L	bicarbonate mg/L	sulfate mg/L
WS98-065	Montrose	9/3/98	7.7	1330	296.5	33.2	25.3	3.8	0.19	<0.1	303.4	606.6
WS98-066	Montrose	9/3/98	7.5	855	131.2	26.2	41.8	5.0	0.09	<0.1	306.3	242.6
WS98-067	Montrose	9/3/98	7.5	901	102.7	33.0	72.1	4.3	0.09	<0.1	372.9	190.2
WS98-068	Delta	9/15/98	7.5	2600	455.5	138.6	122.0	3.1	0.49	<0.1	383.1	1638.3
WS98-069	Montrose	9/16/98	7.6	735	125.7	20.8	35.5	4.1	0.09	<0.1	272.2	197.3
WS98-071	Montrose	9/16/98	7.6	435	30.9	13.6	55.0	8.4	0.12	<0.1	213.1	84.6
WS98-072	Montrose	9/16/98	7.5	904	148.0	25.6	39.2	4.8	0.09	<0.1	321.9	207.1
WS98-073	Ouray	9/16/98	7.7	2190	104.5	34.2	441.7	11.3	0.16	<0.1	511.7	951.6
WS98-074	Ouray	9/16/98	7.3	1090	157.2	53.2	45.9	8.9	0.04	<0.1	290.7	397.1
WS98-075	Ouray	9/17/98	7.7	2180	262.3	27.3	286.9	8.1	0.47	<0.1	290.9	1137.5
WS98-076	Montrose	9/17/98	7.8	1150	181.3	26.6	67.5	5.7	0.12	<0.1	368.5	350.8
WS98-077	Dolores	9/30/98	7.1	890	2.8	1.1	206.2	4.4	0.10	<0.1	387.1	98.7
WS98-078	Dolores	10/1/98	6.8	1200	150.8	54.6	62.0	4.1	0.08	<0.1	339.8	364.8
WS98-079	Dolores	9/30/98	6.6	3450	409.8	162.7	270.1	2.9	0.21	<0.1	279.3	1495.0
WS98-081	Dolores	10/1/98	7.9	556	69.1	17.5	32.8	2.8	0.08	<0.1	247.2	38.8
WS98-082	La Plata	10/21/98	7.9	2200	2.2	1.8	566.9	2.2	0.24	<0.1	1405.4	<0.1
WS98-083	La Plata	10/21/98	7.0	3350	556.9	148.1	149.2	2.9	0.08	<0.1	563.5	1408.2
WS98-084	Montezuma	10/21/98	7.0	165	24.5	5.1	4.8	0.7	0.01	<0.1	92.3	12.8
WS98-085	La Plata	10/21/98	7.4	400	58.2	7.4	33.2	0.8	0.01	<0.1	222.6	6.3
WS98-086	La Plata	10/2/98	7.4	510	88.4	3.5	36.1	0.6	0.01	<0.1	290.3	27.3
WS98-087	Montezuma	10/22/98	7.8	385	54.9	10.5	23.4	1.3	0.02	<0.1	244.7	10.6
WS98-088	Montezuma	10/22/98	7.0	2700	536.8	109.6	84.2	2.5	0.06	<0.1	400.5	1530.7
WS98-089	Montezuma	10/22/98	7.5	1190	93.8	74.5	81.9	13.8	0.09	<0.1	443.4	267.3

BDL - Below detection limit
listed at head of column

X

WELL ID	chlorine mg/L	hardness mg/L	alkalinity mg/L	diss. solids mg/L	Nitrate as N 0.5 mg/L	Acetachlor 0.1 ug/L	Alachlor 0.1 ug/L	Atrazine 0.1 ug/L	Deethyl At 0.2 ug/L	Deisopropyl At 0.2 ug/L
WS98-001	7	1600	300		3.8	BDL	BDL	BDL	BDL	BDL
WS98-002	7	320	330		0.9	BDL	BDL	BDL	BDL	BDL
WS98-003	4	300	360		BDL	BDL	BDL	BDL	BDL	BDL
WS98-004	6	560	260		0.9	BDL	BDL	BDL	BDL	BDL
WS98-005	6	340	350		3.1	BDL	BDL	BDL	BDL	BDL
WS98-006	13	310	370		0.8	BDL	BDL	BDL	BDL	BDL
WS98-007	4	310	350		0.8	BDL	BDL	BDL	BDL	BDL
WS98-008	25	1600	480		1.1	BDL	BDL	BDL	BDL	BDL
WS98-009	20	730	320		BDL	BDL	BDL	BDL	BDL	BDL
WS98-011	4	320	310		0.6	BDL	BDL	BDL	BDL	BDL
WS98-012	51	1000	320		2.6	BDL	BDL	BDL	BDL	BDL
WS98-013	5	230	390		0.7	BDL	BDL	BDL	BDL	BDL
WS98-014	7	730	320		5.0	BDL	BDL	BDL	BDL	BDL
WS98-015	6	390	250		1.4	BDL	BDL	BDL	BDL	BDL
WS98-016	4	350	240		1.6	BDL	BDL	BDL	BDL	BDL
WS98-017	4	320	220		1.0	BDL	BDL	BDL	BDL	BDL
WS98-018	5	430	290		2.6	BDL	BDL	BDL	BDL	BDL
WS98-019	6	340	240		1.5	BDL	BDL	BDL	BDL	BDL
WS98-021	16.8	328	265	510	0.7	BDL	BDL	BDL	BDL	BDL
WS98-022	6.5	1,826	355	2,768	BDL	BDL	BDL	BDL	BDL	BDL
WS98-023	14.8	493	272	701	1.4	BDL	BDL	BDL	BDL	BDL
WS98-024	20.0	466	367	794	2.6	BDL	BDL	BDL	BDL	BDL
WS98-025	16.0	526	392	816	1.3	BDL	BDL	BDL	BDL	BDL
WS98-026	82.2	239	272	764	3.9	BDL	BDL	BDL	BDL	BDL
WS98-027	4.4	243	240	401	0.4	BDL	BDL	BDL	BDL	BDL
WS98-028	2.4	103	99	175	1.1	BDL	BDL	BDL	BDL	BDL
WS98-029	2.3	141	130	248	1.7	BDL	BDL	BDL	BDL	BDL
WS98-031	36.0	309	227	576	BDL	BDL	BDL	BDL	BDL	BDL
WS98-032	32.4	23	509	1,219	BDL	BDL	BDL	BDL	BDL	BDL

BDL - Below detection limit
listed at head of column

WELL ID	chlorine mg/L	hardness mg/L	alkalinity mg/L	diss. solids mg/L	Nitrate as N 0.5 mg/L	Acetachlor 0.1 ug/L	Alachlor 0.1 ug/L	Atrazine 0.1 ug/L	Deethyl At 0.2 ug/L	Deisopropyl At 0.2 ug/L
WS98-033	2.1	48	44	89	1.0	BDL	BDL	BDL	BDL	BDL
WS98-034	1.6	214	193	349	BDL	BDL	BDL	BDL	BDL	BDL
WS98-035	17.0	309	410	753	1.1	BDL	BDL	BDL	BDL	BDL
WS98-036	69.8	121	177	862	5.8	BDL	BDL	BDL	BDL	BDL
WS98-037	69.3	405	342	1,053	32.0	BDL	BDL	BDL	BDL	BDL
WS98-038	60.5	223	849	1,540	BDL	BDL	BDL	BDL	BDL	BDL
WS98-039	0.7	89	91	180	BDL	BDL	BDL	BDL	BDL	BDL
WS98-041	42.0	591	427	1,755	BDL	BDL	BDL	BDL	BDL	BDL
WS98-042	131.3	1,563	261	2,515	BDL	BDL	BDL	BDL	BDL	BDL
WS98-043	31.6	1,087	171	1,567	0.9	BDL	BDL	BDL	BDL	BDL
WS98-044	192.4	2,082	149	3,101	0.9	BDL	BDL	BDL	BDL	BDL
WS98-045	18.4	304	127	478	BDL	BDL	BDL	BDL	BDL	BDL
WS98-046	4.7	191	155	331	2.3	BDL	BDL	BDL	BDL	BDL
WS98-047	14.8	205	355	619	1.2	BDL	BDL	BDL	BDL	BDL
WS98-048	19.7	453	294	1,168	BDL	BDL	BDL	BDL	BDL	BDL
WS98-049	3.7	263	236	444	BDL	BDL	BDL	BDL	BDL	BDL
WS98-051	1.2	<1.0	394	733	BDL	BDL	BDL	BDL	BDL	BDL
WS98-052	34.0	438	539	2,029	3.2	BDL	BDL	BDL	BDL	BDL
WS98-053	5.0	179	206	372	BDL	BDL	BDL	BDL	BDL	BDL
WS98-054	85.6	406	418	1,490	3.0	BDL	BDL	BDL	BDL	BDL
WS98-055	16.4	5	348	717	4.9	BDL	BDL	BDL	BDL	BDL
WS98-056	6.0	419	501	886	0.5	BDL	BDL	BDL	BDL	BDL
WS98-057	8.4	362	382	612	1.3	BDL	BDL	BDL	BDL	BDL
WS98-058	7.0	319	313	532	1.0	BDL	BDL	BDL	BDL	BDL
WS98-059	12.7	289	301	658	1.3	BDL	BDL	BDL	BDL	BDL
WS98-061	2.6	173	185	312	0.5	BDL	BDL	BDL	BDL	BDL
WS98-062	12.9	318	322	558	0.6	BDL	BDL	BDL	BDL	BDL
WS98-063	<0.1	153	158	298	BDL	BDL	BDL	BDL	BDL	BDL
WS98-064	13.2	606	273	967	3.6	BDL	BDL	BDL	BDL	BDL

BDL - Below detection limit
listed at head of column

WELL ID	chlorine mg/L	hardness mg/L	alkalinity mg/L	diss. solids mg/L	Nitrate as N 0.5 mg/L	Acetachlor 0.1 ug/L	Alachlor 0.1 ug/L	Atrazine 0.1 ug/L	Deethyl At 0.2 ug/L	Deisopropyl At 0.2 ug/L
WS98-065	2.1	876	249	1283	1.9	BDL	BDL	BDL	BDL	BDL
WS98-066	14.1	435	251	785	3.1	BDL	BDL	BDL	BDL	BDL
WS98-067	33.5	392	306	809	BDL	BDL	BDL	BDL	BDL	BDL
WS98-068	7.2	1706	314	2749	BDL	BDL	BDL	BDL	BDL	BDL
WS98-069	14.5	<1.0	223	685	2.4	BDL	BDL	BDL	BDL	BDL
WS98-071	3.2	133	175	409	BDL	BDL	BDL	BDL	BDL	BDL
WS98-072	32.3	475	264	801	3.9	BDL	BDL	BDL	BDL	BDL
WS98-073	19.8	401	419	2075	BDL	BDL	BDL	BDL	BDL	BDL
WS98-074	37.0	611	238	990	BDL	BDL	BDL	BDL	BDL	BDL
WS98-075	43.1	767	238	2058	BDL	BDL	BDL	BDL	BDL	BDL
WS98-076	16.5	562	302	1042	4.1	BDL	BDL	BDL	BDL	BDL
WS98-077	25.6	12	317	727	BDL	BDL	BDL	BDL	BDL	BDL
WS98-078	49.6	601	279	1026	BDL	BDL	BDL	BDL	BDL	BDL
WS98-079	510.6	1691	229	3173	7.7	BDL	BDL	BDL	BDL	BDL
WS98-081	34.4	244	203	449	1.3	BDL	BDL	BDL	BDL	BDL
WS98-082	85.7	13	1152	2064	BDL	BDL	BDL	BDL	BDL	BDL
WS98-083	293.2	1998	462	3170	8.6	BDL	BDL	BDL	BDL	BDL
WS98-084	2.1	82	76	142	BDL	BDL	BDL	BDL	BDL	BDL
WS98-085	17.1	176	182	356	1.9	BDL	BDL	BDL	BDL	BDL
WS98-086	11.3	235	238	457	BDL	BDL	BDL	BDL	BDL	BDL
WS98-087	23.2	180	201	369	BDL	BDL	BDL	BDL	BDL	BDL
WS98-088	35.1	1790	328	2703	0.9	BDL	BDL	BDL	BDL	BDL
WS98-089	28.8	540	363	1006	0.5	BDL	BDL	BDL	BDL	BDL

BDL - Below detection limit
listed at head of column

WELL ID	Benfluralin 0.2 ug/L	Bromacil 0.4 ug/L	Captan 1.4 ug/L	Chlorpyrifos 0.1 ug/L	Cyanazine 0.2 ug/L	DCPA 0.1 ug/L	Diazinon 0.2 ug/L	Dichlobenil 0.1 ug/L	Dimethoate 0.5 ug/L	p,p-DDT 0.4 ug/L
WS98-001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-002	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-003	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-004	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-006	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-007	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-008	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-009	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-011	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-013	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-014	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-015	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-016	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-017	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-018	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-019	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-021	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-022	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-023	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-024	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-025	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-026	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-027	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-028	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-029	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-031	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-032	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

BDL - Below detection limit
listed at head of column

WELL ID	Benfluralin 0.2 ug/L	Bromacil 0.4 ug/L	Captan 1.4 ug/L	Chlorpyrifos 0.1 ug/L	Cyanazine 0.2 ug/L	DCPA 0.1 ug/L	Diazinon 0.2 ug/L	Dichlobenil 0.1 ug/L	Dimethoate 0.5 ug/L	p,p-DDT 0.4 ug/L
WS98-033	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-034	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-035	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-036	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-037	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-038	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-039	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-041	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-042	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-043	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-044	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-045	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-046	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-047	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-048	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-049	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-051	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-052	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-053	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-054	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-055	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-056	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-057	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-058	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-059	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-061	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-062	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-063	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-064	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

BDL - Below detection limit
listed at head of column

WELL ID	Benfluralin 0.2 ug/L	Bromacil 0.4 ug/L	Captan 1.4 ug/L	Chlorpyrifos 0.1 ug/L	Cyanazine 0.2 ug/L	DCPA 0.1 ug/L	Diazinon 0.2 ug/L	Dichlobenil 0.1 ug/L	Dimethoate 0.5 ug/L	p,p-DDT 0.4 ug/L
WS98-065	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-066	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-067	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-068	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-069	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-071	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-072	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-073	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-074	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-075	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-076	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-077	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-078	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-079	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-081	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-082	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-083	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-084	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-085	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-086	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-087	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-088	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-089	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

BDL - Below detection limit
listed at head of column

WELL ID	Endrin 0.3 ug/L	Heptachlor 0.6 ug/L	Heptachlor epox 0.8 ug/L	Hexazinone 0.1 ug/L	Lindane 0.1 ug/L	Malathion 0.1 ug/L	Metalaxyl 0.2 ug/L	Methoxychlor 0.9 ug/L	Metolachlor 0.1 ug/L	Metribuzin 0.5 ug/L
WS98-001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-002	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-003	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-004	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-006	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-007	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-008	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-009	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-011	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-013	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-014	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-015	BDL	BDL	BDL	BDL	BDL	0.23	BDL	BDL	BDL	BDL
WS98-016	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-017	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-018	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-019	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-021	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-022	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-023	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-024	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-025	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-026	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-027	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-028	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-029	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-031	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-032	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

BDL - Below detection limit
listed at head of column

WELL ID	Endrin 0.3 ug/L	Heptachlor 0.6 ug/L	Heptachlor epox 0.8 ug/L	Hexazinone 0.1 ug/L	Lindane 0.1 ug/L	Malathion 0.1 ug/L	Metalaxyl 0.2 ug/L	Methoxychlor 0.9 ug/L	Metolachlor 0.1 ug/L	Metribuzin 0.5 ug/L
WS98-033	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-034	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-035	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-036	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-037	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-038	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-039	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-041	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-042	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-043	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-044	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-045	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-046	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-047	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-048	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-049	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-051	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-052	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-053	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-054	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-055	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-056	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-057	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-058	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-059	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-061	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-062	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-063	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-064	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

BDL - Below detection limit
listed at head of column

WELL ID	Endrin 0.3 ug/L	Heptachlor 0.6 ug/L	Heptachlor epox 0.8 ug/L	Hexazinone 0.1 ug/L	Lindane 0.1 ug/L	Malathion 0.1 ug/L	Metalaxyl 0.2 ug/L	Methoxychlor 0.9 ug/L	Metolachlor 0.1 ug/L	Metribuzin 0.5 ug/L
WS98-065	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-066	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-067	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-068	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-069	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-071	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-072	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-073	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-074	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-075	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-076	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-077	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-078	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-079	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-081	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-082	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-083	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-084	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-085	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-086	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-087	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-088	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-089	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

BDL - Below detection limit
listed at head of column

WELL ID	Pendimethalin 1.2 ug/L	Prometone 0.1 ug/L	Simazine 0.2 ug/L	Trifluralin 0.3 ug/L	2,4-D 0.2 ug/L	Dicamba 0.1 ug/L	MCPP 2.0 ug/L	MCPA 2.0 ug/L	Picloram 0.35 ug/l	Aldicarb 1.0 ug/L	Aldicarb Sulfone 2.0 ug/L
WS98-001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-002	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-003	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-004	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-006	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-007	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-008	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-009	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-011	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-013	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-014	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-015	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-016	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-017	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-018	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-019	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-021	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-022	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-023	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-024	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-025	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-026	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-027	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-028	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-029	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-031	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-032	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

BDL - Below detection limit
listed at head of column

WELL ID	Pendimethalin 1.2 ug/L	Prometone 0.1 ug/L	Simazine 0.2 ug/L	Trifluralin 0.3 ug/L	2,4-D 0.2 ug/L	Dicamba 0.1 ug/L	MCPP 2.0 ug/L	MCPA 2.0 ug/L	Picloram 0.35 ug/l	Aldicarb 1.0 ug/L	Aldicarb Sulfone 2.0 ug/L
WS98-033	BDL	BDL	BDL?	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-034	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-035	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-036	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-037	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-038	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-039	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-041	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-042	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-043	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-044	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-045	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-046	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-047	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-048	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-049	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-051	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-052	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-053	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-054	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-055	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-056	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-057	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-058	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-059	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-061	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-062	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-063	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-064	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

BDL - Below detection limit
listed at head of column

WELL ID	Pendimethalin 1.2 ug/L	Prometone 0.1 ug/L	Simazine 0.2 ug/L	Trifluralin 0.3 ug/L	2,4-D 0.2 ug/L	Dicamba 0.1 ug/L	MCPP 2.0 ug/L	MCPA 2.0 ug/L	Picloram 0.35 ug/l	Aldicarb 1.0 ug/L	Aldicarb Sulfone 2.0 ug/L
WS98-065	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-066	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-067	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-068	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-069	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-071	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-072	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-073	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-074	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-075	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-076	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-077	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-078	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-079	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-081	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-082	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-083	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-084	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-085	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-086	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-087	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-088	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-089	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

BDL - Below detection limit
listed at head of column

WELL ID	Aldicarb Sulfoxide 2.0 ug/L	Carbaryl 2.0 ug/L	Carbofuran 1.5 ug/L	3-Hydroxycarbofuran 2.0 ug/L	Methiocarb 4.0 ug/L	Methomyl 1.0 ug/L	Naphthol 1.0 ug/L	Oxamyl 2.0 ug/L	Propoxur 1.0 ug/L
WS98-001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-002	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-003	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-004	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-006	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-007	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-008	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-009	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-011	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-013	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-014	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-015	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-016	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-017	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-018	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-019	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-021	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-022	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-023	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-024	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-025	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-026	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-027	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-028	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-029	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-031	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-032	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

BDL - Below detection limit
listed at head of column

WELL ID	Aldicarb Sulfoxide 2.0 ug/L	Carbaryl 2.0 ug/L	Carbofuran 1.5 ug/L	3-Hydroxycarbofuran 2.0 ug/L	Methiocarb 4.0 ug/L	Methomyl 1.0 ug/L	Naphthol 1.0 ug/L	Oxamyl 2.0 ug/L	Propoxur 1.0 ug/L
WS98-033	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-034	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-035	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-036	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-037	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-038	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-039	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-041	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-042	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-043	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-044	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-045	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-046	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-047	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-048	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-049	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-051	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-052	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-053	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-054	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-055	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-056	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-057	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-058	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-059	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-061	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-062	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-063	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-064	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

BDL - Below detection limit
listed at head of column

WELL ID	Aldicarb Sulfoxide 2.0 ug/L	Carbaryl 2.0 ug/L	Carbofuran 1.5 ug/L	3-Hydroxycarbofuran 2.0 ug/L	Methiocarb 4.0 ug/L	Methomyl 1.0 ug/L	Naphthol 1.0 ug/L	Oxamyl 2.0 ug/L	Propoxur 1.0 ug/L
WS98-065	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-066	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-067	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-068	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-069	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-071	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-072	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-073	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-074	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-075	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-076	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-077	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-078	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-079	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-081	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-082	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-083	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-084	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-085	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-086	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-087	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-088	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
WS98-089	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

BDL - Below detection limit
listed at head of column

