

PRSR STD  
U.S. Postage  
PAID  
CASS DATA  
& MAILING

ORIGINAL

RECEIVED  
JUN 25 2003

FPSC-COMMISSION CLERK

AUS  
CAF  
CMP  
COM  
CTR  
EGR  
GCL  
OPC  
MMS  
SEC  
OTH



Destin Water Users, Inc.  
P.O. Box 308  
Destin, FL 32540

# Water Quality Report



2002



Destin Water Users, Inc.

DOCUMENT NO.  
0547-03  
6/25/03

# 2002 Test Results Table

Contaminant Unit of Measurement	Sampling Dates	MCL Violation Y/N	Highest Monthly Percentage/Number	MCLG	MCL	Likely Source of Contamination
Total Coliform Bacteria	4/02	N	1	0	See Note <sup>5</sup>	Naturally present in the environment

## RADIOLOGICAL CONTAMINANTS<sup>2</sup>

Contaminant and Unit of Measurement	Sampling Dates	MCL Violation Y/N	Level Detected <sup>3</sup>	Range of Results	MCLG	MCL	Likely Source of Contamination
Alpha emitters (pCi/l)	3/02-9/02	N	3.8	ND-3.8	0	15	Erosion of natural deposits
Radium 226 or combined radium (pCi/l)	10/01-9/02	N	2.4	0.1-2.4	0	5	Erosion of natural deposits

## INORGANIC CONTAMINANTS

Barium (ppm)	1-6/02,10/02,12/02	N	0.082	ND-0.082	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Chromium (ppb)	1-6/02,10/02,12/02	N	0.10	ND-0.10	100	100	Discharge from steel and pulp mills; erosion of natural deposits
Cyanide (ppb)	1-6/02,10/02,12/02	N	32	ND-32	200	200	Discharge from steel/metal factories; discharge from plastic and fertilizer factories
Fluoride (ppm)	1-6/02,10/02,12/02	N	0.9	ND-0.9	4	4.0	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Lead (point of entry) (ppb)	1-6/02,10/02,12/02	N	15	ND - 15	n/a	15	Residue from man-made pollution such as auto emissions and paint; lead pipe, casing, and solder
Mercury (inorganic) (ppb)	1-6/02,10/02,12/02	N	0.2	ND-0.2	2	2	Erosion of natural deposits; discharge from refineries and factories; runoff from landfills; runoff from cropland
Nitrate (as Nitrogen) (ppm)	1-6/02,10/02,12/02	N	0.18	ND-0.18	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Sodium (ppm)	1-6/02,10/02,12/02	N	148.8	ND- 148.8	N/A	160	Salt water intrusion, leaching from soil

Contaminant and Unit of Measurement	Sampling Dates (mo./yr.)	MCL Violation Y/N	Level Detected <sup>4</sup>	Range of Results	MCLG	MCL	Likely Source of Contamination
TTHM Total trihalomethanes (ppb)	12/02	N	Avg. 13.4	8.7-20.0	N/A	MCL=100	By-product of drinking water disinfection

## LEAD AND COPPER (TAP WATER)<sup>1</sup>

Contaminant and Unit of Measurement	Sampling Dates (mo./yr.)	AL Violation Y/N	90th Percentile Result	No. of sampling sites exceeding the AL	MCLG	AL (Action Level)	Likely Source of Contamination
Copper (tap water) (ppm)	6-9/02	N	0.327	0 of 30	1.3	1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead (tap water) (ppb)	6-9/02	N	4.0	0 of 30	0	15	Corrosion of household plumbing systems, erosion of natural deposits

1 Data sampled by Destin Water Users, Inc.

2 Data is a compilation of Destin Water Users, Inc. South Walton Utilities, City of Freeport and Regional Utilities

3 Results in the Level Detected column for radiological contaminants, and inorganic contaminants are the highest average at any of the sampling points or the highest detected level at any sampling point, depending on the sampling frequency.

4 For TTHMs, the level detected is the highest running annual average calculated quarterly. The Range of Results is the range of results (lowest to highest) at the individual sampling sites.

5 For systems collecting fewer than 40 samples per month: presence of coliform bacteria in 1 sample collected during a month.

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

**Contaminants that may be present in source water include:**

(A) Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.

(B) Inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.

(C) Pesticides and herbicides, which may come from a variety of sources, such as agriculture, urban stormwater runoff, and residential uses.

(D) Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems.

(E) Radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, the EPA prescribes regulations, which limit the amount of certain contaminants in water provided by public water systems. The Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled

water, which must provide the same protection for public health.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer, undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

We at Destin Water Users would like you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to insuring the quality of your water. If you have any questions or concerns about the information provided, please feel free to call any of the numbers listed.



# Water Quality Report

We are pleased to announce that our drinking water meets all federal and state requirements.

The Florida Department of Environmental Protection (FDEP) is pleased to announce that the drinking water from the Floridan Aquifer in the City of Jacksonville meets all federal and state requirements. The water is safe to drink and is of excellent quality. The FDEP has tested the water and found it to be in compliance with all applicable standards. The water is safe to drink and is of excellent quality. The FDEP has tested the water and found it to be in compliance with all applicable standards.

## Floridan Aquifer

The Floridan Aquifer is a source of drinking water for the City of Jacksonville. The water is safe to drink and is of excellent quality. The FDEP has tested the water and found it to be in compliance with all applicable standards. The water is safe to drink and is of excellent quality. The FDEP has tested the water and found it to be in compliance with all applicable standards.

The water is safe to drink and is of excellent quality. The FDEP has tested the water and found it to be in compliance with all applicable standards. The water is safe to drink and is of excellent quality. The FDEP has tested the water and found it to be in compliance with all applicable standards.

**850-837-6146 ext. 118**

The water is safe to drink and is of excellent quality. The FDEP has tested the water and found it to be in compliance with all applicable standards. The water is safe to drink and is of excellent quality. The FDEP has tested the water and found it to be in compliance with all applicable standards.

The water is safe to drink and is of excellent quality. The FDEP has tested the water and found it to be in compliance with all applicable standards. The water is safe to drink and is of excellent quality. The FDEP has tested the water and found it to be in compliance with all applicable standards.

The water is safe to drink and is of excellent quality. The FDEP has tested the water and found it to be in compliance with all applicable standards.

The water is safe to drink and is of excellent quality. The FDEP has tested the water and found it to be in compliance with all applicable standards. The water is safe to drink and is of excellent quality. The FDEP has tested the water and found it to be in compliance with all applicable standards.

## Maximum Contaminant Level or MCL:

The water is safe to drink and is of excellent quality. The FDEP has tested the water and found it to be in compliance with all applicable standards. The water is safe to drink and is of excellent quality. The FDEP has tested the water and found it to be in compliance with all applicable standards.

## Maximum Contaminant Level Goal or MCLG:

The water is safe to drink and is of excellent quality. The FDEP has tested the water and found it to be in compliance with all applicable standards. The water is safe to drink and is of excellent quality. The FDEP has tested the water and found it to be in compliance with all applicable standards.

## Action Level (AL):

The water is safe to drink and is of excellent quality. The FDEP has tested the water and found it to be in compliance with all applicable standards. The water is safe to drink and is of excellent quality. The FDEP has tested the water and found it to be in compliance with all applicable standards.

## Picocurie per liter (pCi/L) -

The water is safe to drink and is of excellent quality. The FDEP has tested the water and found it to be in compliance with all applicable standards.

**"ND"** The water is safe to drink and is of excellent quality. The FDEP has tested the water and found it to be in compliance with all applicable standards.

## Parts per million (ppm) or Milligrams per liter (mg/l)

The water is safe to drink and is of excellent quality. The FDEP has tested the water and found it to be in compliance with all applicable standards.

## Parts per billion (ppb) or Micrograms per liter (µg/l)

The water is safe to drink and is of excellent quality. The FDEP has tested the water and found it to be in compliance with all applicable standards.

