

Consumer Confidence Report Certification Form

(to be submitted with a copy of the CCR)

(to certify electronic delivery of the CCR, use the certification form on the State Board's website at http://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/CCR.shtml)

Water System Name: **KORTHS PIRATES LAIR**

Water System Number: **3400135**

The water system above hereby certifies that its Consumer Confidence Report was distributed on _____ (date) to customers (and appropriate notices of availability have been given). Further, the system certifies that the information contained in the report is correct and consistent with the compliance monitoring data previously submitted to the State Water Resources Control Board, Division of Drinking Water.

Certified By: Name _____
Signature _____
Title _____
Phone Number () _____ Date _____

To summarize report delivery used and good-faith efforts taken, please complete the form below by checking all items that apply and fill-in where appropriate:

_____ CCR was distributed by mail or other direct delivery methods. Specify other direct delivery methods used:

_____ "Good faith" efforts were used to reach non-bill paying customers. Those efforts included the following methods:

_____ Posted the CCR on the internet at http:// _____

_____ Mailed the CCR to postal patrons within the service area (attach zip codes used)

_____ Advertised the availability of the CCR in news media (attach a copy of press release)

_____ Publication of the CCR in a local newspaper of general circulation (attach a copy of the published notice, including name of the newspaper and date published)

_____ Posted the CCR in public places (attach a list of locations)

_____ Delivery of multiple copies of CCR to single bill addresses serving several persons, such as apartments, businesses, and schools

_____ Delivery to community organizations (attach a list of organizations)

_____ Other (attach a list of other methods used)

_____ For systems serving at least 100,000 persons: Posted CCR on a publicly-accessible internet site at the following address: http:// _____

_____ For privately-owned utilities: Delivered the CCR to the California Public Utilities Commission

2014 Consumer Confidence Report

Water System Name: KORTHS PIRATES LAIR

Report Date: June 2015

We test the drinking water quality for many constituents as required by state and federal regulations. This report shows the results of our monitoring for the period of January 1 - December 31, 2014.

Este informe contiene información muy importante sobre su agua potable. Tradúzcalo ó hable con alguien que lo entienda bien.

Type of water source(s) in use: According to CDPH records, this Source is Groundwater. This Assessment was done using the Default Groundwater System Method.

Your water comes from 1 source(s): Main Well

Opportunities for public participation in decisions that affect drinking water quality: Regularly-scheduled water board or city/county council meetings are currently not held.

For more information about this report, or any questions relating to your drinking water, please call (209) 838 - 7842 and ask for Quality Service, Inc..

TERMS USED IN THIS REPORT

Maximum Contaminant Level (MCL): The highest level of contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically feasible. Secondary MCLs are set to protect the odor, taste, and appearance of drinking water.

Maximum Contaminant Level Goal (MCLG): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the U.S. Environmental Protection Agency (USEPA).

Public Health Goal (PHG): The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.

Maximum Residual Disinfectant Level (MRDL): The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG): The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Primary Drinking Water Standards (PDWS): MCLs and MRDLs for the contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.

Secondary Drinking Water Standards (SDWS): MCLs for the contaminants that affect taste, odor, or appearance of the drinking water. Contaminants with SDWSs do not affect the health at the MCL levels.

Treatment Technique (TT): A required process intended to reduce the level of a contaminant in drinking water.

Regulatory Action Level (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

ND: not detectable at testing limit

ppm: parts per million or milligrams per liter (mg/L)

ppb: parts per billion or micrograms per liter (µg/L)

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:

- *Microbial contaminants*, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- *Inorganic contaminants*, such as salts and metals, that can be naturally-occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- *Pesticides and herbicides*, that may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.
- *Organic chemical contaminants*, including synthetic and volatile organic chemicals, that are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, agricultural application, and septic systems.
- *Radioactive contaminants*, that 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 USEPA and the California Department of Public Health (Department) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. Department regulations also establish limits for contaminants in bottled water that provide the same protection for public health.

Tables 1, 2, 3, 4, 5 and 6 list all of the drinking water contaminants that were detected during the most recent sampling for the constituent. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. The Department allows us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of the data, though representative of the water quality, are more than one year old.

Table 1 - SAMPLING RESULTS SHOWING THE DETECTION OF LEAD AND COPPER						
Lead and Copper (complete if lead or copper detected in last sample set)	Sample Date	90th percentile level detected	No. Sites Exceeding AL	AL	PHG	Typical Sources of Contaminant
Lead (ppb)	5 (2013)	13	0	15	0.2	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers, erosion of natural deposits
Copper (ppm)	5 (2013)	0.57	0	1.3	.3	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

Table 2 - SAMPLING RESULTS FOR SODIUM AND HARDNESS						
Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Sources of Contaminant
Sodium (ppm)	(2013)	45	N/A	none	none	Salt present in the water and is generally naturally occurring
Hardness (ppm)	(2013)	257	N/A	none	none	Sum of polyvalent cations present in the water, generally magnesium and calcium, and are usually naturally occurring

Table 3 - DETECTION OF CONTAMINANTS WITH A PRIMARY DRINKING WATER STANDARD						
Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL [MRDL]	PHG (MCLG) [MRDLG]	Typical Sources of Contaminant
Arsenic (ppb)	(2014)	ND	ND - 3	10	0.004	Erosion of natural deposits; runoff from orchards, glass and electronics production wastes
Barium (ppm)	(2007)	0.111	N/A	1	2	Discharge from oil drilling wastes and from metal refineries; erosion of natural deposits

Table 4 - DETECTION OF CONTAMINANTS WITH A SECONDARY DRINKING WATER STANDARD						
Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Sources of Contaminant
Chloride (ppm)	(2013)	44	N/A	500	n/a	Runoff/leaching from natural deposits; seawater influence
Color (Units)	(2013)	30	N/A	15	n/a	Naturally-occurring organic materials
Iron (ppb)	(2014)	ND	ND - 100	300	n/a	Leaching from natural deposits; Industrial wastes
Manganese (ppb)	(2014)	76.2	31.7 - 166	50	n/a	Leaching from natural deposits
Odor Threshold at 60 °C (TON)	(2013)	4	N/A	3	n/a	Naturally-occurring organic materials.
Specific Conductance (umhos/cm)	(2013)	699	N/A	1600	n/a	Substances that form ions when in water; seawater influence
Total Dissolved Solids (ppm)	(2013)	390	N/A	1000	n/a	Runoff/leaching from natural deposits
Turbidity (NTU)	(2013)	62.4	N/A	5	n/a	Soil runoff

Any violation of MCL, AL or MRDL is highlighted. Additional information regarding the violation is provided later in this report.

Table 5 - DETECTION OF UNREGULATED CONTAMINANTS					
Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	Notification Level	Typical Sources of Contaminant
Boron (ppm)	(2013)	0.1	N/A	1	The babies of some pregnant women who drink water containing boron in excess of the notification level may have an increased risk of developmental effects, based on studies in laboratory animals.

Table 6 - DETECTION OF FEDERAL DISINFECTANT/DISINFECTANT BYPRODUCT RULE						
Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL (MRDL)	PHG (MCLG)	Typical Sources of Contaminant
Total Trihalomethanes (TTHMs) (ppb)	(2012)	14.6	N/A	80	n/a	By-product of drinking water disinfection

Additional General Information on Drinking Water

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 USEPA's Safe Drinking Water Hotline (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. USEPA/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).

Lead Specific Language for Community Water Systems: If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with the service lines and home plumbing. *Korth's Pirates Lair Marina* is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to

minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

Summary Information for Violation of a MCL, MRDL, AL, TT, or Monitoring and Reporting Requirement

About our Color: Color was found at levels that exceed the secondary MCL. The color MCL was set to protect you against unpleasant aesthetic affects due to color. Violating this MCL does not pose a risk to public health.

About our Manganese: Manganese was found at levels that exceed the secondary MCL. The Manganese MCL was set to protect you against unpleasant aesthetic affects such as color, taste, odor and the staining of plumbing fixtures (e.g., tubs and sinks), and clothing while washing. Violating this MCL does not pose a risk to public health.

About our Odor Threshold at 60 °C: Odor was found at levels that exceed the secondary MCL. The Odor MCL was set to protect you against unpleasant aesthetic affects such as color, taste, odor and the staining of plumbing fixtures (e.g., tubs and sinks), and clothing while washing. Violating this MCL does not pose a risk to public health.

About our Turbidity: Turbidity is Secondary Drinking Water Standards and has found no health effects. However, high levels of turbidity can interfere with disinfection and provide a medium for microbial growth. Turbidity may indicate the presence of disease-causing organisms. These organisms include bacteria, viruses, and parasites that can cause symptoms such as nausea, cramps, diarrhea and associated headaches.

2014 Consumer Confidence Report Drinking Water Assessment Information

Assessment Information

A source water assessment was conducted for the MAIN WELL of the KORTHS PIRATES LAIR of the water system in September, 2011.

Discussion of Vulnerability

There have been no contaminants detected in the water supply, however the source is still considered vulnerable to activities located near the drinking water source.

Acquiring Information

A copy of the complete assessment may be viewed at:
SACRAMENTO COUNTY ENVIRONMENTAL MANAGEMENT DEP
10590 ARMSTRONG AVE
MATHER, CA 95655

You may request a summary of the assessment be sent to you by contacting:

SOPHIA JOHNSTON
ENVIRONMENTAL SPECIALIST III
916-875-8575
916-875-8513 (fax)
JOHNSTONSO@SACCOUNTY.NET

Korth`s Pirates Lair Marina

Analytical Results By FGL - 2014

LEAD AND COPPER RULE

		Units	MCLG	CA-MCL	PHG	Sampled	Result	90th Percentile	# Samples
Lead		ppb	0	15	0.2			12.7	5
CuPb 01 Mens Sink Left	STK1338657-4	ppb				2013-08-22	11.3		
CuPb 02 Mens Sink Right	STK1338657-2	ppb				2013-08-22	14.0		
CuPb 03 Laundry Room Sink	STK1338657-1	ppb				2013-08-22	ND		
CuPb 04 Womens Sink Left	STK1338657-5	ppb				2013-08-22	11.4		
CuPb 05 Womens Sink Right	STK1338657-3	ppb				2013-08-22	5.0		
Copper		ppm		1.3	.3			0.5655	5
CuPb 01 Mens Sink Left	STK1338657-4	ppm				2013-08-22	0.329		
CuPb 02 Mens Sink Right	STK1338657-2	ppm				2013-08-22	0.429		
CuPb 03 Laundry Room Sink	STK1338657-1	ppm				2013-08-22	0.702		
CuPb 04 Womens Sink Left	STK1338657-5	ppm				2013-08-22	0.271		
CuPb 05 Womens Sink Right	STK1338657-3	ppm				2013-08-22	0.184		

SAMPLING RESULTS FOR SODIUM AND HARDNESS

		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Sodium		ppm		none	none			45	45 - 45
Main Well	STK1338100-1	ppm				2013-08-12	45		
Hardness		ppm		none	none			257	257 - 257
Main Well	STK1338100-1	ppm				2013-08-12	257		

PRIMARY DRINKING WATER STANDARDS (PDWS)

		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Arsenic		ppb		10	0.004			ND	ND - 3
Filters	STK1452439-2	ppb				2014-12-08	3		
Filters	STK1451443-2	ppb				2014-11-10	ND		
Filters	STK1450518-2	ppb				2014-10-13	ND		
Filters	STK1439196-2	ppb				2014-09-08	2		
Filters	STK1438075-2	ppb				2014-08-11	2		
Filters	STK1436999-2	ppb				2014-07-14	2		
Filters	STK1435563-2	ppb				2014-06-09	ND		
Filters	STK1434503-2	ppb				2014-05-12	2		
Filters	STK1433453-2	ppb				2014-04-14	2		
Filters	STK1432119-2	ppb				2014-03-10	ND		
Filters	STK1431199-2	ppb				2014-02-10	ND		
Filters	STK1430336-2	ppb				2014-01-13	2		
Barium		ppm	2	1	2			0.111	0.222 - 0.222
Main Well	STK0737560-1	ppm				2007-08-20	ND		
Main Well	STK0732391-1	ppm				2007-03-12	0.222		

SECONDARY DRINKING WATER STANDARDS (SDWS)

		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Chloride		ppm		500	n/a			44	44 - 44
Main Well	STK1338100-1	ppm				2013-08-12	44		
Color		Units		15	n/a			30	30 - 30
Main Well	STK1338100-1	Units				2013-08-12	30		
Iron		ppb		300	n/a			ND	ND - 100
Filters	STK1452439-2	ppb				2014-12-08	ND		
Filters	STK1451443-2	ppb				2014-11-10	ND		
Filters	STK1450518-2	ppb				2014-10-13	ND		
Filters	STK1439196-2	ppb				2014-09-08	ND		

Filters	STK1438075-2	ppb				2014-08-11	ND		
Filters	STK1436999-2	ppb				2014-07-14	ND		
Filters	STK1435563-2	ppb				2014-06-09	100		
Filters	STK1434503-2	ppb				2014-05-12	100		
Filters	STK1433453-2	ppb				2014-04-14	ND		
Filters	STK1432119-2	ppb				2014-03-10	ND		
Filters	STK1431199-2	ppb				2014-02-10	ND		
Filters	STK1430336-2	ppb				2014-01-13	ND		
Manganese		ppb		50	n/a			76.2	31.7 - 166
Filters	STK1452439-2	ppb				2014-12-08	84.0		
Filters	STK1451443-2	ppb				2014-11-10	106		
Filters	STK1450518-2	ppb				2014-10-13	75.1		
Filters	STK1439196-2	ppb				2014-09-08	93.4		
Filters	STK1438075-2	ppb				2014-08-11	78.4		
Filters	STK1436999-2	ppb				2014-07-14	48.2		
Filters	STK1435563-2	ppb				2014-06-09	51.9		
Filters	STK1434503-2	ppb				2014-05-12	66.4		
Filters	STK1433453-2	ppb				2014-04-14	166		
Filters	STK1432119-2	ppb				2014-03-10	41.6		
Filters	STK1431199-2	ppb				2014-02-10	31.7		
Filters	STK1430336-2	ppb				2014-01-13	71.1		
Odor Threshold at 60 °C		TON		3	n/a			4	4 - 4
Main Well	STK1338100-1	TON				2013-08-12	4		
Specific Conductance		umhos/cm		1600	n/a			699	699 - 699
Main Well	STK1338100-1	umhos/cm				2013-08-12	699		
Total Dissolved Solids		ppm		1000	n/a			390	390 - 390
Main Well	STK1338100-1	ppm				2013-08-12	390		
Turbidity		NTU		5	n/a			62.4	62.4 - 62.4
Main Well	STK1338100-1	NTU				2013-08-12	62.4		

UNREGULATED CONTAMINANTS

	Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Boron	ppm		NS	n/a			0.1	0.1 - 0.1
Main Well	ppm				2013-08-12	0.1		

DETECTION OF FEDERAL DISINFECTANT/DISINFECTANT BYPRODUCT RULE

	Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Total Trihalomethanes (TTHMs)	ppb		80	n/a			14.6	14.6 - 14.6
I Dock-Slip 10	ppb				2012-07-09	14.6		

Korth`s Pirates Lair Marina

CCR Login Linkage - 2014

FGL Code	Lab ID	Date_Sampled	Method	Description	Property
Mens Sink Left	STK1338657-4	2013-08-22	Metals, Total	CuPb 01 Mens Sink Left	Lead & Copper Monitoring
Men`s Sink Righ	STK1338657-2	2013-08-22	Metals, Total	CuPb 02 Mens Sink Right	Lead & Copper Monitoring
Lndryrm Snk	STK1338657-1	2013-08-22	Metals, Total	CuPb 03 Laundry Room Sink	Lead & Copper Monitoring
Women`s Sink Le	STK1338657-5	2013-08-22	Metals, Total	CuPb 04 Womens Sink Left	Lead & Copper Monitoring
Women`s Sink Ri	STK1338657-3	2013-08-22	Metals, Total	CuPb 05 Womens Sink Right	Lead & Copper Monitoring
FILTERS	STK1430336-2	2014-01-13	Metals, Total	Filters	Monthly Monitoring
	STK1431199-2	2014-02-10	Metals, Total	Filters	Monthly Monitoring
	STK1432119-2	2014-03-10	Metals, Total	Filters	Monthly Monitoring
	STK1433453-2	2014-04-14	Metals, Total	Filters	Monthly Monitoring
	STK1434503-2	2014-05-12	Metals, Total	Filters	Monthly Monitoring
	STK1435563-2	2014-06-09	Metals, Total	Filters	Monthly Monitoring
	STK1436999-2	2014-07-14	Metals, Total	Filters	Monthly Monitoring
	STK1438075-2	2014-08-11	Metals, Total	Filters	Monthly Monitoring
	STK1439196-2	2014-09-08	Metals, Total	Filters	Monthly Monitoring
	STK1450518-2	2014-10-13	Metals, Total	Filters	Monthly Monitoring
	STK1451443-2	2014-11-10	Metals, Total	Filters	Monthly Monitoring
	STK1452439-2	2014-12-08	Metals, Total	Filters	Monthly Monitoring
I Dock-Slip 10	STK1236363-1	2012-07-09	EPA 551.1	I Dock-Slip 10	THM/HAA5 Monitoring
Lndryrm Snk	STK1430336-1	2014-01-13	Coliform	Laundry Room Sink	Monthly Monitoring
	STK1431199-1	2014-02-10	Coliform	Laundry Room Sink	Monthly Monitoring
	STK1432119-1	2014-03-10	Coliform	Laundry Room Sink	Monthly Monitoring
	STK1433453-1	2014-04-14	Coliform	Laundry Room Sink	Monthly Monitoring
	STK1434503-1	2014-05-12	Coliform	Laundry Room Sink	Monthly Monitoring
	STK1435563-1	2014-06-09	Coliform	Laundry Room Sink	Monthly Monitoring
	STK1436999-1	2014-07-14	Coliform	Laundry Room Sink	Monthly Monitoring
	STK1438075-1	2014-08-11	Coliform	Laundry Room Sink	Monthly Monitoring
	STK1439196-1	2014-09-08	Coliform	Laundry Room Sink	Monthly Monitoring
	STK1450518-1	2014-10-13	Coliform	Laundry Room Sink	Monthly Monitoring
	STK1451443-1	2014-11-10	Coliform	Laundry Room Sink	Monthly Monitoring
	STK1452439-1	2014-12-08	Coliform	Laundry Room Sink	Monthly Monitoring
Main Well	STK0732391-1	2007-03-12	Metals, Total	Main Well	Well Monitoring - 3 year
	STK0737560-1	2007-08-20	Metals, Total	Main Well	Well Monitoring - 3 year
	STK1338100-1	2013-08-12	Wet Chemistry	Main Well	Well Monitoring - 3 year
	STK1338100-1	2013-08-12	General Mineral	Main Well	Well Monitoring - 3 year