

Additional Information

45.0 ppb

36.1

For questions or more information, contact:

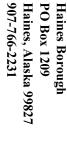
2022

AVERAGE

Dennis Durr Water & Sewer Supervisor P0 Box 1209 **Haines, AK 99827** 907-766-2200 or 907-766-2716 ddurr@haines.ak.us

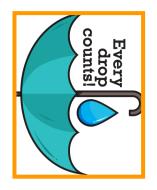


28.5



HAINES BOROUGH

DRINKING WATER QUALITY REPORT



Postal Customer

 \mathbf{S} PERMIT NO. POSTAGE PAID HAINES AK PRSRT STD

16

AVERAGE



How Safe Is Your Water?

We are pleased to present this year's *Annual Water Quality Report* (Consumer Confidence Report or CCR) as required by the Safe Drinking Water Act (SDWA).

This report provides details about where your water comes from, what it contains, and how it compares to standards set by regulatory agencies. This report is a snapshot of water quality for calendar year 2022

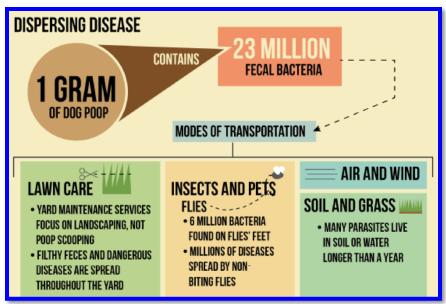
We are committed to providing you with information because informed customers are our best allies. We routinely test for over 80 contaminants as scheduled. Test results showed no levels higher than what the US Environmental Protection Agency (EPA) and the Alaska Department of Environmental Conservation (ADEC) allow.

What Precautions Do You Need to Take?

Some people may be more vulnerable to contaminants in water than the general population. Immuno-compromised persons, such as those undergoing cancer chemotherapy, persons who have organ transplants, people with HIV/AIDS and other immune system disorders, some elderly, and infants can be particularly at-risk from infections. These people and/or their caregivers should seek advice about drinking water from their health care providers.

EPA and the Centers for Disease Control & Prevention (CDC) guidelines with suggestions to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Water Drinking Hotline at:





Monitoring & Reporting of Data Compliance Violations

Violations

- The July 2022 Monthly Operator Report was submitted late.
- Only one total coliform sample was received for December 2022.

Copper Action Level Exceeded

- Copper (Cu) is a reddish metal that is commonly used in household plumbing. It is also an essential nutrient for humans in small amounts; however, too much copper can cause adverse health effects. Water that is corrosive can leach Cu from pipes into drinking water. Water Treatment Plant Operators use soda ash to adjust the pH and reduce corrosivity. The longer water has stood idle in copper pipes, the more likely Cu will be in your water.
- The EPA Action Level for copper was exceeded at two of the 10 testing sites in 2015 and 2016. Monitoring for copper and lead was increased from 10 samples per year to 40 samples (quarterly tests at 10 sites) in 2015 and 2016. 20 samples were taken in 2017; 10 samples in 2018; and three samples in 2019. All sample results from consumer taps since 2016 have been below the 90th percentile Action Level, including the 2022 samples taken from 10 consumer taps.

How To Reduce Copper Exposure

 To reduce exposure to copper, run your household water used for cooking and drinking until the water is colder (30 to 60 seconds) anytime it has not been used for more than six hours to clear the pipes and bring in fresh water. Hot water dissolves copper more quickly than cold water; if you need hot water for cooking or drinking, take water from the cold tap and heat it.

See page 16 for trend data regarding disinfection byproducts.

More Water Quality Data & Definitions

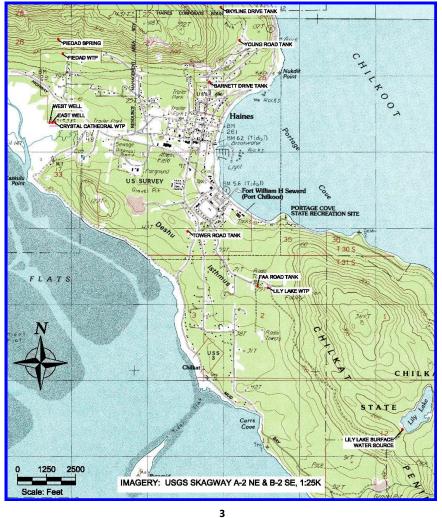
	MCLG or	MCL, TT	YOUR	RA	NGE	SAMPLE		
CONTAMINANTS	MRDLG	or MRDL	WATER	LOW	HIGH	DATE	VIOLATION	TYPICAL SOURCE
Radioactive Conta	aminants							
				LILY	LAKE			
Alpha Emitters PCI/L	NA	15	0	NA	NA	2017	No	Erosion of natural deposits
Radium 226/228 PCI/L	NA	5	0.12 0.18	NA	NA	2017	No	Erosion of natural deposits
			С	RYSTAL (CATHEDRA	AL.		
Alpha Emitters PCI/L	NA	15	2.0	NA	NA	2017	No	Erosion of natural deposits
Radium 226/228 PCI/L	NA	5	0.11 0.69	NA	NA	2017	No	Erosion of natural deposits
				PIEDAL	SPRING			
Alpha Emitters PCI/L	NA	15	0	NA	NA	2017	No	Erosion of natural deposits
Radium 226/228 PCI/L	NA	5	0.048	NA	NA	2017	No	Erosion of natural deposits

	IMPORTANT DRINKING WATER DEFINITIONS
Term	Definition
AL	Action Level: concentration of a contaminant that triggers
AL	treatment or other requirements for the water system
HAA5	Haloacetic Acid: a byproduct of drinking water chlorination
	Maximum Contaminant Level: highest level of a contaminant
MCL	allowed in drinking water; MCLs are set as close to the MCLGs
	as feasible using the best available treatment technology
	Maximum Containment Level Goal: level of a contaminant in
MCLG	drinking water below which there is no known or expected
	risk to health; MCLGs allow for a margin of safety
MFL	Million Fibers per Liter (fibers >10 micrometers)
MNR	Monitored Not Regulated
	Maximum Residual Disinfectant Level: highest level of a
MRDL	disinfectant allowed in drinking water; convincing evidence
WINDE	shows that the addition of a disinfectant is necessary for
	control of microbial contaminants
	Maximum Residual Disinfection Level Goal: level of a
MRDLG	drinking water disinfectant below which there is no known or
MINDEG	expected risk to health; MRDLGs do not reflect the benefits of
	the use of disinfectants to control microbial contaminants
NA	Not Applicable
ND	Not Detected
NR	monitoring Not Required but recommended
PCi/L	Picocuries per Liter (a measure of radioactivity)
PFAS	Per- and polyfluoroalkyl substances
ppb	parts per billion or micrograms per liter (μg/L)
ppm	parts per million or milligrams per liter (mg/L)
TT	Treatment Technique
TTHM	Total Trihalomethanes: group of disinfection byproducts that
1 I CHAI	form when chlorine compounds are used to disinfect water.

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2022 Water Report Where Are the Sources for Your Public Water System?

The primary source of Haines drinking water is Lily Lake, located 2.5 miles southeast of the Haines Townsite on the Chilkat Peninsula. In 2022, 41 percent of the Haines drinking water was supplied from the Piedad Spring System, a groundwater source located 1.5 miles northwest of the Haines Townsite. The Crystal Cathedral wells provided limited supplies, only 0.4 percent of the 110 million gallons of community water consumed (see page 11 for more detail).



Learn More About Local Water Quality

Three Source Water Assessments

Very High, Medium & Low Susceptibility Ratings

The public water system for the Haines Townsite is a Community Water System consisting of three sources. The Source Water Assessment for each of these sources is available at the Haines Borough Administration Offices. These assessments are used by the by Haines Bor- Crystal Cathedral Source Water Asough staff to assess water quality sessment (CCSWA) - Ground Water risks and can be used as a foundation • for local volunteer protection efforts.

Lily Lake Source Water Assessment (LLSWA) - Surface Water Source

- The overall protection area received Susceptibility Rating of Very High.
- The overall protection area received a Vulnerability Rating of Medium for metals, other organic chemical and synthetic chemicals.

Piedad Spring Source Water Assessment (PSSWA) - Ground Water Source under Direct Influence of Surface Water

- The combined score for the Wellhead and Aquifer has a natural Susceptibility Rating of Medium (the Wellhead and Aguifer each received an individual Susceptibility Rating of Medium).
- The combined score for the Wellhead and Aguifer received a Susceptibility Rating of Low for:
 - Bacteria/ Viruses
 - Nitrites/ Nitrates
 - **Volatile Organic Chemicals**
 - **Heavy Metals**
 - **Synthetic Organic Chemicals**
 - Other Chemicals



- The combined score for the Wellhead and Aquifer has a natural Susceptibility Rating of Medium (the Wellhead and Aguifer each received an individual Susceptibility Rating of Medium).
- The combined score for the Wellhead and Aguifer received a Susceptibility Rating of Medium for:
 - Bacteria/ Viruses
 - Nitrites/ Nitrates
- The combined score for the Wellhead and Aquifer received a Susceptibility Rating of Low for:
 - Volatile Organic Chemicals
 - **Heavy Metals**
 - **Synthetic Organic Chemicals**
 - Other Chemicals



TT		MCIG	MCI		RAI	RANGE			
Name Name		ъ	TT or	YOUR			SAMPLE		
100 100 1.24 NA NA 2013 NO 100 1.27 NA NA 2013 NO 100 1.27 NA NA 2013 NO 100 100 NA NA 2013 NO 100 100 NA NA 2013 NO 100 10 0 NA NA 2017 NO 10 10 0 NA NA 2017 NO 10 10 0 NA NA 2017 NO 10 10 10 0 NA NA 2017 NO 10 10 10 10 10 NA NA 2017 NO 10 10 10 10 10 NA NA 2017 NO 10 10 10 10 10 10 10 10 10 10 10 10 10	CONTAMINANTS	MRDLG	MRDL	WATER	MOT	HIGH	DATE	VIOLATION	TYPICAL SOURCE
2 2 0.04 NA NA 2013 NO	Inorganic Contar								
5 2 0.04 NA NA NO 4 4 4 0.17 NA NA 2013 No 50 50 0.90 NA NA 2013 No 4 4 4 0.17 NA NA 2013 No 4 4 4 0.27 NA NA 2013 No 10 10 0 NA NA 2009 No					CRYSTAL	CATHEDRA	4.		
2 2 0.04 NA NA 2013 NO 100 1.24 NA NA 2013 NO 4 4 4 0.17 NA NA 2013 NO 50 50 0.90 NA NA 2013 NO 4 4 4 0.27 NA NA 2013 NO 10 10 0 NA NA 2017 NO									Erosion of natural deposits;
50 50 0.90 NA NA 2013 NO HA 4 0.27 NA NA 2013 NO NO NO NA NA 2013 NO NO NA NA 2013 NO NO NO NA NA 2017 NA NA ANA 2017 NA NA NA NA 2017 NA	Barium – ppm	2	2	0.04	NA	AN	2013	No	Discharge of drilling wastes
b 100 1.24 NA NA 2013 No 4 4 4 0.17 NA NA 2013 No 50 50 0.90 NA NA NO No 4 4 0.27 NA NA NO NO 10 10 0 NA NA NO NO									& metal refineries
50 50 0.90 NA NA 2013 NO					***************************************	1000			Erosion of natural deposits;
50 50 0.90 NA NA 2013 NO 4 4 0.27 NA NA 2009 NO NO 10 0 NA NA 2017 NO NO NO NA NA 2017 NO NO	Chromium - ppb	100	100	1.24	NA	NA	2013	No	Discharge from steel &
4 4 4 0.17 NA NA NO 50 50 0.90 NA NA 2013 NO 4 4 4 0.27 NA NA 2009 NO 10 10 0 NA NA NA NO									pulp mills
50 50 0.90 NA NA 2013 NO 4 4 0.27 NA NA 2009 NO 10 10 0 NA NA 2017 NO									Erosion of natural deposits;
50 50 0.90 NA NA 2013 NO 4 4 4 0.27 NA NA 2017 NO 10 0 NA NA 2017 NO	Elitorido – pam	_	7	710	V	V Z	2013	Z	Water additive; Discharge
50 50 0.90 NA NA 2013 NO 4 4 0.27 NA NA 2009 NO 10 10 0 NA NA 2017 NO		t	f).	<u> </u>	ζ	CTOZ	2	from fertilizer & aluminum
50 50 0.90 NA NA 2013 NO 4 4 4 0.27 NA NA 2017 NO NO NA NA 2017 NO									factories
50 50 0.90 NA NA 2013 NO 4 4 4 0.27 NA NA 2009 NO 10 10 0 NA NA 2017 NO									Erosion of natural deposits;
4 4 0.27 NA NA 2009 NO 10 10 0 NA NA 2017 NO	Solonium - nnh	C.	C _L	000	NA	V	2013	Z	Discharge from mines,
3b 4 4 0.27 NA NA 2009 NO 10 10 0 NA NA 2017 NO	add - IIIniiiaiac	3	3	0	ζ	ζ_	7077	2	petroleum & metal
ob 4 4 0.27 NA NA 2009 No 10 10 0 NA NA 2017 No									refineries
ob 4 4 0.27 NA NA 2009 No 10 10 0 NA NA 2017 No			0						Discharge from metal
10 10 0 NA NA 2009 NO NO NO NA 2017 NO	The second secon								refineries & coal-burning
10 10 NA NA 2017 No	Beryllium - ppb	4	4	0.27	NA	NA	2009	No	factories, electrical,
10 10 NA NA 2017 No									aerospace & defense
10 10 0 NA NA 2017 No									industries
10 10 0 NA NA 2017 No									Erosion of natural deposits;
	Arconic nob	0	10	c	VI	VIZ	2017	Z	Runoff from orchards;
alactronic wastes	Alsellic - ppu)	21)	ζ	ζ	7107	2	Runoff from glass &
77771171171717									electronics wastes

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2022 Water Quality Data

	MCLG	MCL,		RA	RANGE			
	o	TT or	YOUR			SAMPLE		
CONTAMINANTS	MRDLG	MRDL	WATER	LOW	HIGH	DATE	VIOLATION	TYPICAL SOURCE
Inorganic Contami	minants							
			П	LY LAKE &	LILY LAKE & PIEDAD SPRING	RING		
								Erosion of natural deposits;
Barium - ppm	2	7	0.016	ΝA	AN	2013	No	Discharge of drilling wastes
								& metal refineries
		277						Erosion of natural deposits;
Chromium - ppb	100	100	0	A'N	A A	2013	No	Discharge from steel &
								pulp mills
								Erosion of natural deposits;
	•	•	c	914	Q Z	2017	2	Water additive; Discharge
Figoriae – ppm	4	4	5	۲ 2	Į.	5075	0	from fertilizer & aluminum
								factories
								Erosion of natural deposits;
dan miliano	C	C	c	× 2	V 2	2013	ON.	Discharge from mines,
add - IIIniii alac	3	3	o	2	Ţ	CTOZ	2	petroleum & metal
								refineries
								Discharge from metal
		1	***************************************				The state of the s	refineries & coal-burning
Beryllium - ppb	4	4	0	ΑN	ΑN	2013	No	factories, electrical,
(Aminote make)								aerospace & defense
								industries
								Erosion of natural deposits;
Arconic	Ç	7	c	V Z	VZ	717	Q	Runoff from orchards;
add - ameery	2	2	o	<u> </u>	<u> </u>	7107	2	Runoff from glass &
								electronics wastes

What Contaminants Are Found in Your Drinking Water?

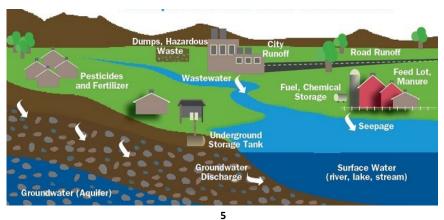
Drinking water, including bottled water, may be reasonably expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling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

800-426-4791

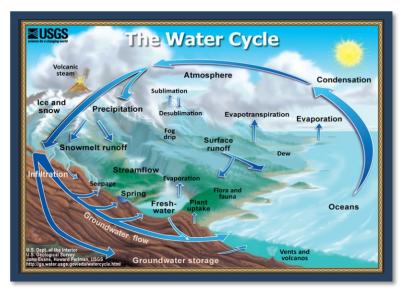
The sources of drinking water, both tap water and bottled water, include: rivers, lakes, streams, ponds, reservoirs, springs and wells. As water travels over the surface of the land or through the grounds, it dissolves oth- • Radioactive contaminants (which er substances, including:

- Naturally occurring minerals
- Substances resulting from the presence of animals or human activity
- Microbial contaminants, such as viruses and bacteria (from sewage treatment plants, residential/ commercial wastewater systems, livestock operations, wildlife and pets

- Inorganic contaminants, such as salts and metals (which can occur naturally or result from urban storm -water runoff, industrial or domestic wastewater discharges, oil and gas production, mining or farming)
- Pesticides and herbicides (which 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 (which are byproducts of industrial process and petroleum production and can also come from gas stations, urban stormwater runoff, and residential / commercial wastewater systems)
- can be naturally occurring or be the result of oil and gas production and mining activities)
- PFAS, a large group of man-made, carbon-fluorine chemicals used for products resisting heat (fire-fighting foam), oil, stains and water (Scotch Guard, Gore-Tex); these very persistent forever chemicals can impact water quality; EPA will release its final rule for water testing in 2023



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Citizen Involvement: Public Meetings & Protective Actions

Citizens may get involved by attending the Haines Borough Assembly meetings. The dates and agenda are posted online at: www.hainesborough.us

Meeting dates and agenda are also posted at the Borough Offices, Library and Post Office.

Source Water Protection Tips

Protection of drinking water is everyone's responsibility. You can help protect community drinking water source in several ways:

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- Pick up after your pets.
- Eliminate excess use of lawn and garden fertilizers and pesticides; they contain hazardous chemicals that can reach drinking water sources.
- If you have a residential wastewater system, properly maintain your system with regular septic tank pumping or ATU servicing to reduce leaching to water sources.
- Dispose of hazardous substances and other chemicals properly, including used motor oil.

The Borough sponsored a Household Hazardous Waste collection event on July 19—20, 2022, collecting 995 gallons and 4 cubic yards of waste. The next collection even will be held summer 2023.



POTABLE WATER USAGE: TREND DATA LEAK DETECTIONS CONSERVE WATER Decay of asbestos cement in water mains; Erosion of natural deposits Corrosion of household plumbing systems; Erosion of natural deposits TOTAL 100,0 100,0 100,0 100.0 100.0 100.0 100.0 100,0 TYPICAL SOURCE Corrosion of household plumbing systems; ANNUAL VOLUME BY SOURCE, 2016 - 2022 WELLFIELD 2.0 0.4 0.0 4.3 1.4 0,3 0.4 PERCENTAGE OF TOTAL VOLUME PIEDAD 20,9 41.0 25.7 21.6 21.0 44.8 29.5 AL 31.7 EXCEEDS 운 LILY LAKE 73.9 58.6 77.1 78.4 67.0 54.9 74.7 69.2 Values Shown SAMPLES **EXCEEDING AL** 0 0 0 OF 2016 2017 2018 2019 2020 2022 2021 SAMPLE DATE 2022 102,539 107.114 106.743 105.764 110,013 84.218 92,362 TOTAL 101.3 2022 YOUR 293 WELLFIELD 0 VOLUME BY SOURCE, 2016 -2.106 0.000 4.556 0.415 1,260 0.276 0.413 1,300 MILLIONS OF GALLONS A eq PIEDAD 22.434 26.329 23.020 22.22 45.132 29.251 37.737 MCLG 1,300 Consumers norganic Contaminants 82.574 75.795 83,723 78.986 61,851 46.205 64,468 70.5 Copper – ppb Range: 11.5 to 330 CONTAMINANTS System Wide: 10 Range: <0.2 to 0.53 Asbestos - MFL qdd – 2016 2017 2018 2019 2020 2022 2021 Lead -

11

2022 Water Quality Data

		MCLG or	MCL, TT		YOUR	RANGE	IGE	SAMPLE		TYPICAL	
CONTAI	CONTAMINANTS	MRDLG	or MRDL		WATER	MOT	HIGH	DATE	VIOLATION	SOURCE	
Disinfect There is co	Disinfectants & Disin There is convincing evid	rfectant By-Products Jence that addition of a	Products dition of a	disinfecta	nt is nece	ssary for cor	ntrol of micro	fectant By-Products ence that addition of a disinfectant is necessary for control of microbial contaminants.	ants.		
TTHMs - ppb	qdı	ΝΑ	80	4	45.0	32.4	55.7	2022	No	By-product of drinking water disinfection	D.
HAA5 - ppb	ą	AN	09	m	33.7	25.3	51.0	2022	No	By-product of drinking water disinfection	28.
Nitrates There is he methemog	Nitrates There is health concern methemoglobinemia. O	with nitrates one of the Hai	s in drinking ines Boroug	g water, e gh PWS so	specially t	for infants ui dad Springs	nder 6 month , had detecta	ns of age, as e) ble levels of n	with nitrates in drinking water, especially for infants under 6 months of age, as exposure can result in ne of the Haines Borough PWS sources, Piedad Springs, had detectable levels of nitrates in 2019 and 2021.	sult in and 2021.	
Nitrate – ppm	mdd	10	10	Ö	00:00	0	0.00	2022	No	Agriculture run- off and septic tanks	L
Volatile (Haines Bol above det	Volatile Organic Com Haines Borough staff sa above detection limits.		riety of vol nes Boroug	latile orga h public w	nic compo	ounds quarte em sources P	erly. Of the 2: nad no detect	pounds mple for a variety of volatile organic compounds quarterly. Of the 21 chemicals re All three Haines Borough public water system sources had no detectable amount.	pounds mple for a variety of volatile organic compounds quarterly. Of the 21 chemicals regularly tested, none were All three Haines Borough public water system sources had no detectable amount.	, none were	
Xylenes, T	Xylenes, Total - ppm	10	10		0	0	0	2022	No	Discharge from petroleum and chemical factories	ries
y	ω	1 14		29	82	26	24	l 6	34 4	33	
ပ	0	=	S	J	Pb	Ba	ບ້	_	Se	Be As	S
Carbon 12.011	Oxygen 15.599	Hydrogen 1.008	Silicon 28.086	Copper 63.546	Lead 207.2	Barium 137.328	Chromium 51.996	Fluorine 18.998	Selenium 78.971	Beryllium Arsenic 9.012 74.922	nic 22

Water Conservation Tips — see www.epa.gov/watersense

Do you know that the average U.S. household uses approximately 300 gallons of water per day or 75 gallons per person per day? In the Haines Townsite, the estimate usage is over double this average, at 168 gallons per person per day. Luckily there are many low-cost and no-cost ways to conserve water. Small changes can make a big difference.

- * Take short showers: a five-minute shower uses four to five gallons of water compared to up to 50 gallons for a bath.
- * Shut off water while brushing your teeth, washing your hair and shaving to save up to 500 gallons a month.
- * Use a water-efficient showerhead; these are inexpensive, easy to install, and can save up to 750 gallons a month.
- * Run your clothes washer and dishwasher only when they are full to save up to 1,000 gallons a month.
- * Fix leaky toilets and faucets. Faucet washers are inexpensive and take only a few minutes to replace. To check your toilet for a leak, place a few drops of food coloring in the tank and wait; if it seeps into the toilet bowl without flushing, you have a leak. Fixing it or replacing it with a new, more efficient model can save up to 1,000 gallons a month.
- * Adjust sprinklers to water only your lawn. Apply water as fast as the soil absorbs it and during the cooler part of the day to reduce evaporation.
- * Teach your kids about conserving water to ensure future generation uses this resource wisely. Make conservation a family effort.

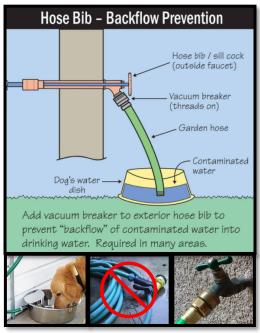


More Source Water Protection Tips

- * Contact Takskanuk Watershed Council and volunteer to help at:
 - www.takshanuk.org or 907-766-3542
- * Organize a storm-drain stenciling project with the local government. Stencil a message next to the street drain reminding people: *Dump No Waste Protect Our Water*.
- * Produce and distribute a flyer for households to remind residents that storm drains dump directly into local water bodies.

Cross Connection Control

It is important to determine whether a cross-connection may exist at your home or business. A cross connection is an unprotected or improper connection to a public water distribution system that may cause contamination or pollution to enter the system. The Haines Borough is responsible for enforcing cross-connection control regulations and insuring that no contaminants, under any flow conditions, can enter the distribution system. A vacuum breaker, available from a local hardware store, installed on a hose bib prevents back siphoning. Do not leave a hose in a puddle on the ground or in a bucket full



of water as back siphoning could occur. If you have any of the devices listed below, please contact us to discuss the issue, and, if needed, to survey your connection and assist you in isolating it if that is necessary.

- * Boiler / radiant heater (water heaters not included)
- Underground lawn sprinkler system
- Pool or hot tub (whirlpool tubs not included)
- * Additional source(s) of water on the property
- Decorative pond
- * Watering trough



More Information about Lead

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 service lines and home plumbing. Haines Borough 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 can 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:

www.epa.gov/safewater/lead

2022 Water Quality Data

Water Quality Regulations

In order to ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of contaminants in water provided by public water systems. The table below lists all of the drinking water contaminants that we detected during the calendar year of this report. Although many more contaminants were tested, only those substances listed below were found in your water. All sources of drinking water contain some naturally occurring contaminants. At low levels, these substances are generally unharmful in drinking water. Removing all contaminants would be extremely expensive, and in most cases, would not provide increased protection of public health. A few naturally occurring minerals may actually improve the taste of drinking water and have nutritional value at low levels.

In 2016, the two Public Water Systems — Haines Borough and Crystal Cathedral — were combined into a single water system. The following data tables show information for the combined system as well as some data for the original PWSIDs. Testing is done in the calendar year of the report (2022).

The EPA or ADEC requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not vary significantly from year to year, or the system is not considered vulnerable to this type of contamination. As such, some of these data, though representative, may be more than one year old. (Data for 2022 is highlighted blue.) In these tables you will find terms and abbreviations that might be unfamiliar. A table of terms and definitions follows (see page 14).

Water Treatment Process

Our water is treated by disinfection. Disinfection involves the addition of chlorine or other disinfectant to kill dangerous bacteria and other microorganisms that may be present. Disinfection is considered one of the major public health

advances of the 20th century. Disinfection does create disinfection by-products that are monitored to ensure they remain at a safe level. Lily Lake and the Piedad Spring are also filtered prior to disinfection.

