

P.O. Drawer B Seldovia, Alaska 99663 Phone: (907) 234-7643, Fax: (907) 234-7430 email: <a href="mailto:cityclerk@cityofseldovia.com">cityclerk@cityofseldovia.com</a>

# SELDOVIA CITY COUNCIL WORK SESSION WATER SUPPLY PUBLIC MEETING COUNCIL CHAMBERS Thursday, August 29, 2019 6:00pm

## CALL TO ORDER, 6:00 P.M.

## **DISCUSSION TOPIC(S)**

- a. Seldovia Water Supply- Presentation by the City Manager
- b. Council Discussion

## **COMMENTS OF THE AUDIENCE** (3 minutes)

## ADJOURNMENT NO LATER THAN 8:00 P.M.

Next Regular Meeting is Monday, September 9, 2019 at 6:00 P.M. in Council Chambers in the Multi-Purpose Building located at 260 Seldovia Street, Seldovia, Alaska 99663.

## Seldovia City Council Water Supply Public Meeting August 29, 2019

## **Contents Page**

Pages 1-8	Community	v Daily U	pdate August	29, 2019

Pages 9-10 Reservoir Pictures 8/29/19

Page 11 Seldovia Local Disaster Proclamation- as amended

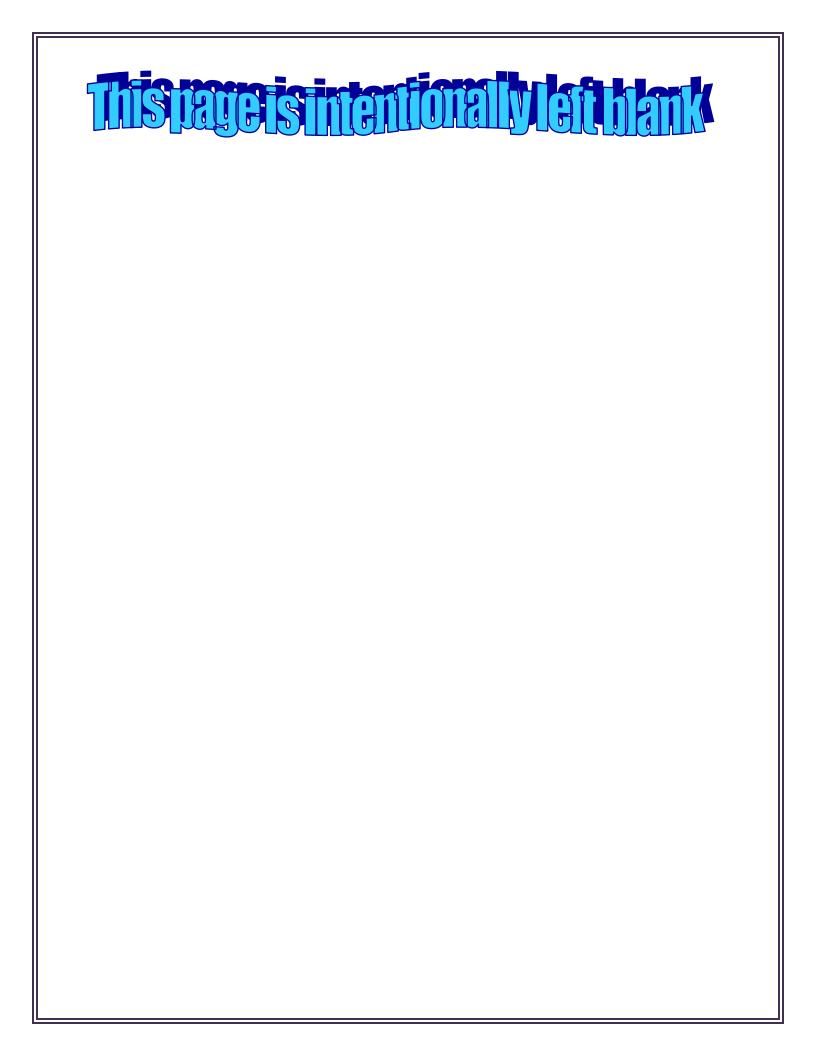
Pages 12-14 Disaster Emergency Declaration Kenai Peninsula Borough

Page 15 ARWA Data Sharing Calculations

Pages 16-17 Reservoir Water Source Switching Writeup

Pages 18-19 VSW and Hud Funding Outreach

## NOTES





P.O. Drawer B Seldovia, Alaska 99663 Phone: (907) 234-7643, Fax: (907) 234-7430 email: citymanager@cityofseldovia.com

## CITY OF SELDOVIA – RESERVOIR SUPPLY UPDATE COMMUNITY UPDATE AUGUST 29, 2019

# Gallons Used in the last 24 hours: 90,952 gallons DECREASED BY 1,683 GALLONS FROM THE PREVIOUS DAY

Estimated amount of water in Reservoir: 2.471 million gallons
Estimated amount of water in days based on monthly average use:

16.09 days

The information that we are focusing on is daily community consumption which as follows:

- Treated (Potable Water) water going to Seldovia measured in Gallons Per Day (GPD)
- Estimated Reservoir Level measured in acre feet or acre inches, then converted to gallons.
- Estimated water availability to City of Seldovia measured in days; this is an everchanging number as it is based on usage which fluctuates day to day.

There are several phases of this critical situation; they are being laid out and developed in house and with coordinating with other agencies, and once they are ready for public consumption we will share and communicate that as this situation progresses.

It is helpful and important to keep in mind, that droughts and water supply deficiencies have not been an area of concern for the Seldovia or the Kenai Peninsula Borough due to its climate. It is safe to say, that droughts and water supply deficiencies will be added to our EOPs. Please bear with us as we have a steep learning curve on working out efficient, productive, useful processes to mitigate this emergency.

### Backup water status:

• 10 PALLETS OF BOTTLED DRINKING WATER ARRIVING Sunday September 1, 2019; 126 jugs/pallet = 1260 Gallons

126 PALLETS OF BOTTLED DRINKING WATER ARRIVING Thursday September 5, 2019; 126 jugs/pallet = 1260 Gallons

 NON-POTABLE/GREY WATER STATION FOR RESIDENTS TO ACCESS GREY WATER FOR NON-DRINKING PURPOSES; LOCATED ON LOADING DOCK BEHIND CITY SHOP

<u>POTABLE WATER:</u> Drinking water; is safe to drink or to use for food preparation. The amount of drinking water required to maintain good health varies, and depends on physical activity level, age, health-related issues, and environmental conditions.

NON-POTABLE WATER: Water that has not been examined, properly treated, and not approved by appropriate authorities as being safe for consumption. Links. About non-potable water: Non-potable water is water that is not of drinking water quality, but which may still be used for many other purposes, depending on its quality.

### City of Seldovia's Conservation Measures

(8/27) On Tuesday, city staff met and developed a conservation plan for municipal buildings and services. The bulk water station at the harbor will be available for those seeking to obtain bulk water Mondays, Wednesdays and Saturdays. 10-4:30pm. That schedule was decided upon to coincide with the dump schedule.

- The senior meals program will be put on hold after the 8/28 lunch until further notice.
- The library director and I also spoke and collaborated on the library schedule. In an effort to minimize the multi-building use, we coordinated our schedules and the library will be open with the following schedule:
  - o Monday CLOSED
  - o Tuesday Normal hours (2-6)
  - o Wednesday CLOSED
  - o Thursday Normal hours (2-6)
  - o Friday CLOSED
  - o Saturday Normal hours (2-4)
  - o Sunday CLOSED
- The multi-purpose building will be closed on Monday, Wednesday and Friday unless there are community meetings.
- The harbor water has been completely shut off until further notice.
- The Alaska Marine Highway is no longer receiving water until further notice.
- The boat wash down building is closed until further notice.
- Public works employees were able to complete the water leak repair on Main Street and Dock Street. This repair completes the outstanding list of repairs and leaks that we had identified with ARWA (Alaska Rural Water Association) when they audited our system last fall. This repair saved around 60,000 gallons of water per day.
- An aggressive public education campaign was started, with going door to door to educate and share information on our current water shortage situation.
- An informational email is being sent out regularly to the community; to be included on the list, please contact Heidi
- Community notices have been posted throughout town and on our website.

## **Layers of Emergency:**

There is a tremendous amount of data and information still to be obtained. There are numerous questions at this point that are unanswered. We are working with a variety of agencies throughout the state to get the answers to the questions.

#### Short term:

- What is happening today, tomorrow and in the next week.
- Alternative water sources in the form of bottled water and non-potable sources as stated above will be available starting next week. How will they be distributed?
- Continue conservation levels.
- Consider a "Rolling blackout schedule" for community.
- What outside resources could be recruited?

#### Mid-Term:

- What is happening if this emergency proceeds at the current rate, without improvement?
- How will COS coordinate with KPB and the State?
- How will resources be identified and obtained?
- Are there alternative or outside water sources or equipment that can be transported into Seldovia?

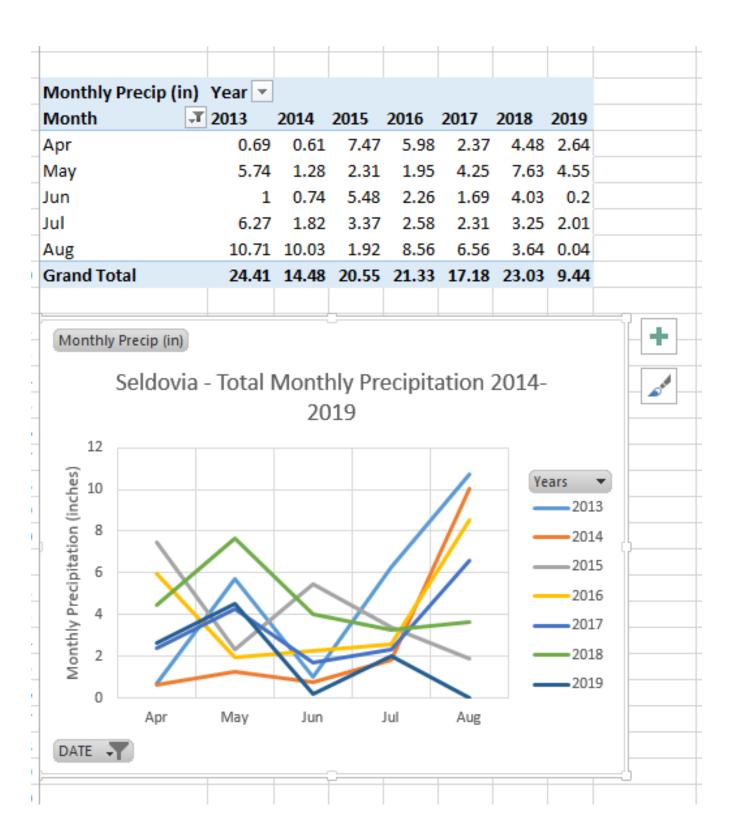
### Long-Term:

- What are the effects for the future of Seldovia?
- If there is no improvement in conditions, how will COS manage when it freezes this winter?
- How will mitigation measures be funded?
- Identifying backup water sources, is Fish Creek an option?
- Is drilling a well an option?
- Can we dredge our reservoir and will dredging be enough to diminish the likelihood of another drought or water supply shortage?
- Can the COS receive capital improvement monies in order to repair and replace our aging infrastructure?
- COS needs to incorporate a mitigation plan and strategy into the Emergency Operations Plan for the future.

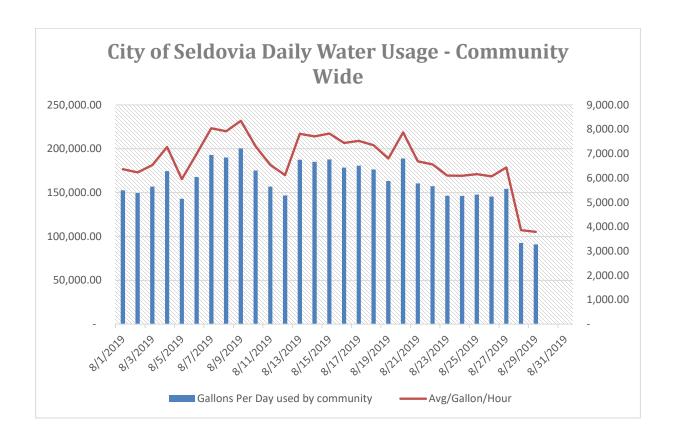
## WEATHER FORECAST PROVIDED BY NATIONAL WEATHER SERVICE- NOAA 8/29/19

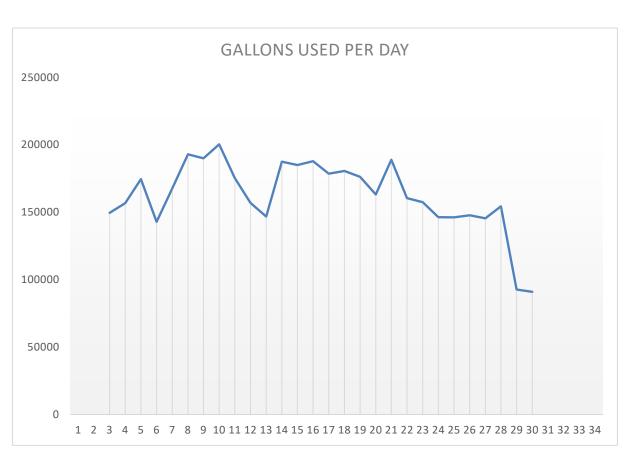
Detailed Forecast
This Afternoon
Mostly sunny, with a high near 64. Southwest wind around 5 mph.  Tonight
Partly cloudy, with a low around 48. Calm wind becoming southeast around 5 mph in the evening.
Friday A 30 percent chance of rain after 4pm. Partly sunny, with a high near 63. East wind around 5 mph becoming south in the afternoon.
Rain, mainly after 7pm. Low around 49. North wind 10 to 15 mph. Chance of precipitation is 90%.
Saturday Rain likely, mainly before 7am. Cloudy, with a high near 62. Northeast wind 5 to 10 mph. Chance of precipitation
is 60%.
Saturday Night A 40 percent chance of rain. Mostly cloudy, with a low around 52. East wind 5 to 10 mph.
Sunday
Rain. High near 62. Chance of precipitation is 80%.
Rain likely. Cloudy, with a low around 52.
Labor Day
Rain likely before 10am, then showers likely between 10am and 4pm, then rain likely after 4pm. Cloudy, with a high near 63.
Monday Night Rain likely before 10pm, then showers likely after 10pm. Mostly cloudy, with a low around 50.
Tuesday
A chance of showers. Mostly cloudy, with a high near 63.  Tuesday Night
A chance of showers. Mostly cloudy, with a low around 48.
A chance of showers. Partly sunny, with a high near 63.

## Historical Precipitation Data for Seldovia



Seldovia Water	Supply					
Date	Gallons Per Day used by community	Avg/Gallon/Hour	loss - difference	acre inches	remaining water in gallons	remaining water in days based on average* useage
8/1/2019	152,659.00	6,360.79	"	112		
8/2/2019	149,547.00	6,231.13		111	3,014,094.00	20.53
8/3/2019	156,808.00	6,533.67	7,261.00	110.5	3,000,517.00	16.00
8/4/2019	174,547.00	7,272.79	17,739.00	110	2,986,940.00	16.14
8/5/2019	142,914.00	5,954.75	(31,633.00)	109.5	2,973,363.00	15.83
8/6/2019	167,704.00	6,987.67	24,790.00	109	2,959,786.00	16.58
8/7/2019	192,967.00	8,040.29	25,263.00	108.5	2,946,209.00	16.31
8/8/2019	190,039.00	7,918.29	(2,928.00)	108	2,932,632.00	16.64
8/9/2019	200,358.00	8,348.25	10,319.00	107.5	2,919,055.00	17.88
8/10/2019	175,245.00	7,301.88	(25,113.00)	107	2,905,478.00	15.38
8/11/2019	156,903.00	6,537.63	(18,342.00)	106.5	2,891,901.00	18.03
8/12/2019	146,784.00	6,116.00	(10,119.00)	106	2,878,324.00	18.28
8/13/2019	187,553.00	7,814.71	40,769.00	105.5	2,864,747.00	19.57
8/14/2019	185,029.00	7,709.54	(2,524.00)	105	2,851,170.00	19.50
8/15/2019	187,806.00	7,825.25	2,777.00	104.5	2,837,593.00	19.20
8/16/2019	178,557.00	7,439.88	(9,249.00)	104	2,824,016.00	19.41
8/17/2019	180,644.00	7,526.83	2,087.00	103.5	2,810,439.00	18.21
8/18/2019	176,272.00	7,344.67	(4,372.00)	103	2,796,862.00	18.22
8/19/2019	163,217.00	6,800.71	(13,055.00)	102.5	2,783,285.00	18.13
8/20/2019	188,879.00	7,869.96	25,662.00	102	2,769,708.00	18.04
8/21/2019	160,432.00	6,684.67	(28,447.00)	101	2,742,554.00	17.86
8/22/2019	157,465.00	6,561.04	(2,967.00)	100	2,715,400.00	17.69
8/23/2019	146,375.00	6,098.96	(11,090.00)	98	2,661,092.00	17.33
8/24/2019	146,250.00	6,093.75	125.00	96	2,606,784.00	16.98
8/25/2019	147,753.00	6,156.38	1503.00	95	2,579,630.00	16.80
8/26/2019	145,524.00	6,063.50	(2,229.00)	94.5	2,566,053.00	16.71
8/27/2019	154,363.00	6,431.79	8,839.00	93	2,525,322.00	16.45
8/28/2019	92,635.00	3,859.79	(61,728.00)	92.5	2,511,745.00	16.36
8/29/2019	90,952.00	3,789.67	(1,683.00)	91	2,471,014.00	16.09
8/30/2019						
8/31/2019						
AVERAGE* Usage Per day	153,536.90					*PLEASE KEEP IN MIND THAT THIS NUMBER FLUCTUATES DAILY





## Repair Project Data

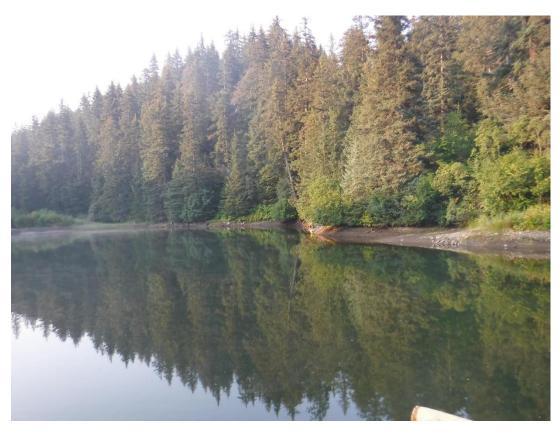
Alaska Rural Water Association has been an integral part of our community's efforts to repair the failing infrastructure in Seldovia. Kevin Schoneman has been to our community on several occasions in the last year. With the leak detection equipment, he was able to identify major leaks in our system. We have made the repair of these leaks a priority. In the last year, our Public Works/Water Department has completed 13 major water projects. The result of these repairs equal to an estimation of 370,455 gallons of water saved.

PROJECT	DATE COMPLETED	GPD Change
Eagle Run to Young Street		No change due to reroute and not
Reroute	7/1/2018	·
		No change due to reroute and not
Main Street Valve replacement	8/1/2018	repair
Anderson Way Leak One -		
resulted in the leak being on		
property owner's line, property		
owner repaired and fixed leak	8/1/2018	34,878.00
	2///22/2	
Anderson Way Leak Two -	8/1/2018	44,269.00
Inlet Street - Leak/Broken Lines	9/1/2018	35,198.00
		No change due to reroute and not
Main Street Keybox Replacement	9/1/2018	_
, i		
Anderson Way Leak Three	10/19/2018	23,309.00
Main Street Southend Keybox		
Replacement	4/1/2019	17,085.00
Augustine Repair	4/1/2019	33,166.00
Willards Way Repair	5/1/2019	43,150.00
Main Street Phase I	6/28/2019	29,718.00
Young Street Repair	7/1/2019	47,954.00
Main Street Phase II	8/27/2019	61,728.00
	CUMULATIVE CHANGE IN	
	CITY CONSUMPTION	
	(GALLONS SAVED)	370,455.00

## Reservoir Pictures 8/29/19













#### www.cityofseldovia.com

P.O. Drawer B Seldovia, Alaska 99663 Phone: (907) 234-7643, Fax: (907) 234-7430 email: cityclerk@cityofseldovia.com

# CITY OF SELDOVIA PROCLAMATION OF EMERGENCY DISASTER DECLARATION PUBLIC WATER SOURCE DEPLETION- as amended

WHEREAS, record high temperatures and lack of precipitation across the State of Alaska have depleted the City of Seldovia's watershed source; and

WHEREAS, the City of Seldovia's public water system's limited water supply is rapidly diminishing and there is not a foreseen renewable source of water forthcoming in the immediate future; and

WHEREAS, the City of Seldovia has issued water conservation notices and has taken preventive measures within the city to limit water usage; and

WHEREAS, it is anticipated with the projected dry weather forecast and current public usage rates that the finite amount of water currently available to the City of Seldovia's public water system will continue to dissipate until depletion in the immediate future; and

WHEREAS, this emergency exceeds the financial capabilities of the City of Seldovia; and

WHEREAS, The City of Seldovia is a political subdivision within the Kenai Peninsula Borough and the State of Alaska; and

NOW THEREFORE BE IT RESOLVED that the Mayor and City Manager of the City of Seldovia do declare a Local Disaster Emergency per AS 26.23.140 to exist in the City of Seldovia, effective August 26, 2019.

FURTHERMORE, support and assistance is requested from the Kenai Peninsula Borough and the State of Alaska to help the City of Seldovia mitigate the public water source depletion local disaster in the form of public assistance, resources for both individuals and the public water source, and other emergency resources to help the City in its response and recovery from this event.

FURTHER, the City of Seldovia designates the City Manager, Cassidi Cameron, as the Local Disaster Emergency Authority during this event and authorizes the City Manager to take necessary measures on behalf of the City of Seldovia in order to effectively respond and mitigate this local disaster.

Signed this 28th day of August, 2019

Dean Lent, Mayor

Cassidi Cameron, City Manager



## Office of the Borough Mayor

144 N. Binklev Street, Soldotna, Alaska 99669 • (907) 714-2150 • (907) 714-

Charlie Pierce Borough Mayor

## DISASTER EMERGENCY DECLARATION FOR THE KENAI PENINSULA BOROUGH

## August 29, 2019

**WHEREAS**, much of the State of Alaska, including the Kenai Peninsula Borough, has experienced record high temperatures and a lack of precipitation during the summer of 2019 which has caused some public water supplies to be depleted; and

**WHEREAS,** as a result of little to no rain this summer and light snowfall last winter the Native Village of Nanwalek's water supply is expected to be fully depleted by Friday, August 30, 2019; and

**WHEREAS,** Nanwalek has taken steps to conserve water and obtain bottled water but that supply is rapidly diminishing; and

**WHEREAS,** on August 27, 2019 the Nanwalek IRA Council declared a State of Emergency due to the impending lack of water for the community; and

**WHEREAS**, the City of Seldovia issued a Proclamation of Emergency Disaster Declaration for Public Water Source Depletion on August 28, 2019 due to its rapidly diminishing water supply with no foreseen renewable source of water available in the immediate future; and

**WHEREAS**, the City of Seldovia has issued water conservation notices and taken preventive measures to limit water usage and conserve water; and

WHEREAS; the city's public water system is supplied from an upper dam and reservoir that normally provides roughly 28 to 30 days of water for the city, but with the already depleted supply remaining, the projected dry weather forecast, and current usage rates, it is anticipated that the city's public water system will continue to dissipate until depletion in the immediate future; and

**WHEREAS**, the City of Seldovia has declared that this emergency exceeds the financial capabilities of the City of Seldovia; and

WHEREAS, the City of Seldovia has requested support and assistance from the Kenai Peninsula Borough and the State of Alaska to help it mitigate the public water source depletion disaster in the form of public assistance, resources for both individuals and the public, and other emergency resources to help the city in its response and recovery from this event; and

**WHEREAS,** as a second class borough, the Kenai Peninsula Borough does not have the authority to provide the response assistance requested to cities in the borough; and

**WHEREAS,** immediate action is necessary to respond to and alleviate the damage and suffering from this drought; and

**WHEREAS**, the severity and magnitude of the droughts in the City of Seldovia and the Native Village of Nanwalek is beyond the effective response capabilities of local resources;

**NOW THEREFORE,** I declare a Disaster Emergency per AS 26.23.140 to exist in the Kenai Peninsula Borough in the Native Village of Nanwalek and the City of Seldovia and as such do hereby activate the emergency response plan of the Kenai Peninsula Borough in order to monitor the disaster and seek assistance from the State of Alaska.

**FURTHERMORE**, the Kenai Peninsula Borough requests that the Governor of the State of Alaska declare a disaster emergency to exist as described in AS 26.23 and provide disaster assistance to the Native Village of Nanwalek and the City of Seldovia in their response and recovery from this event, to provide individual assistance for affected property owners including homeowners and business owners with property damaged as a result of this drought, and to provide immediate damage assessment assistance, technical expertise, guidance, and resources to assist the both the Native Village of Nanwalek and the City of Seldovia in responding to this disaster.

**FURTHERMORE,** the Kenai Peninsula Borough requests that the Governor of the State of Alaska direct State agencies with direct ownership or responsibility in the provision of water, engineering, mapping, permitting, and other processes, to convene as soon as possible to develop a plan to provide local assistance regarding the provision of water to the Native Village of Nanwalek and the City of Seldovia.

DATED this 29th day of August, 2019.

**Charlie Pierce** 

Kenai Peninsula Borough Mayor

ATTEST:

Johni Blankenship

Borough Clerk



 From:
 kevin@arwa.org

 To:
 Cassidi Cameron

 Cc:
 Seldovia Maintenance

**Subject:** Drought

**Date:** Tuesday, August 20, 2019 1:56:22 PM

#### Hi Cassidi and Tyler,

So after some research I think a conservative estimate for the amount of water in the reservoir would be 3.5 million gallons. The reservoir appears to be 11.2 acre feet in size. The formula used is 1 acre foot is equal to 325,851 gallon of water so 11.2 acre feet is = to 3,649,531 gallons of water. So with that being said at Seldovia's current rate of use I would estimate that's about 21 days of storage. Conservation is defiantly in order. The 11.2 acre feet would be if the reservoir was full to capacity. I have been looking at the they are calling for a change in the weather pattern so hopefully the worst is over and after receiving a call from Tyler I understand it's raining in Seldovia today Hooray!

Kevin Schoneman Alaska Rural Water Association Source Water Protection Specialist 1075 S Check Street, Suite 106 Wasilla, Alaska 99654-8067 Office 907-357-2792 Cell 907-631-8483 kevin@arwa.org



Virus-free. www.avast.com

 From:
 Lee, Sean T (DEC)

 To:
 Cassidi Cameron

 Cc:
 Evavold, Steven W (DEC)

**Subject:** Seldovia - Reservoir Water Source Switching Writeup

**Date:** Thursday, August 29, 2019 3:35:16 PM

Attachments: <u>image001.png</u>

#### Cassidy,

Per our conversation this afternoon, here are some considerations that need to be evaluated before switching water sources. You inquired about this because of the ongoing draught and the community's questions about switching back to the old Fish Creek source.

- 1. The current Water Treatment Plant is designed to treat the current water source. While the Fish Creek water source may be similar, it will not be an identical source and has issues, not limited to the following, that need to be considered:
  - a. The chemical treatment process would need to be re-evaluated for the new water source to ensure it meets drinking water regulations:
    - i. This may be considered a technical process change and require approval from Alaska Department of Environmental Conservation;
      - 1. Chemical dosing may change due to water source changes.
  - b. Lead and Copper Corrosion potential; think Flint, Michigan, they switched water sources without an evaluation of the new source and ended up poisoning people with lead due to corrosion.
- To my knowledge, the Fish Creek water source pre-dates the existing water source and was abandoned due to high levels of cryptosporidium. This may not be an issue as modern treatment removes cryptosporidium.
  - a. You said the Tribe wants this creek to remain an anadromous fish stream and not to be used as a source for drinking water.
- 3. Logistics of pumping water from the source to the Water Treatment Plant, especially during winter (freezing) need to be considered. This could be expensive to keep a line heated or to run water 24/7.
  - a. Does this water source run all winter long? Does it freeze up? Would it be a viable option as a year round source?

Let me know if you need any other information or have other questions.

Thanks,

Sean

## Sean T. Lee, E.I.T., Project Manager

Village Safe Water Engineer Associate 555 Cordova St, 4<sup>th</sup> Floor Anchorage, AK 99501-2617



## State of Alaska – DEC - Village Safe Water Desk (907)269-7554 Office (907)269-7502

Fax: (907)269-7509

Sean.Lee@alaska.gov

http://dec.alaska.gov/water/village-safe-water

 From:
 Lee, Sean T (DEC)

 To:
 Cassidi Cameron

 Cc:
 Heidi Geagel

Subject: FW: Nanwalek/Seldovia Water Issue Date: Thursday, August 29, 2019 3:09:26 PM

#### FYI

Sean Lee, E.I.T.
State of Alaska - DEC
Village Safe Water Engineer Associate
(direct) 907-269-7554
(office) 907-269-7502
(fax) 907-269-7509

**From:** Nichols, John P [mailto:jpnichols@anthc.org]

Sent: Thursday, August 29, 2019 1:02 PM

**To:** 'Garvey, LaVonne' <LaVonne.Garvey@hud.gov>; Baldwin, Cynthia A <cabaldwin@anthc.org>; Journey, David E <dejourney@anthc.org>; Lee, Sean T (DEC) <sean.lee@alaska.gov>; Blackstone, Bradford <bblackstone@anthc.org>

**Cc:** Beveridge, David <dbeverid@anthc.org>; Cox, Christopher O <cocox@anthc.org>; Dongoski, Heather <hdongoski@anthc.org>; Johnson, Shyler K <skjohnson@anthc.org>; Lestenkof, Sherry A <salestenkof@anthc.org>; Robertson, Charlene E <cerobertson@anthc.org>; Ward, Amanda <acward@anthc.org>; Cruthers, Katie Q <Katie.Q.Cruthers@hud.gov>

**Subject:** RE: Nanwalek/Seldovia Water Issue

Hi LaVonne.

Seldovia is supported by Village Safe Water. Their project engineer is Sean Lee, phone 269-7554. He is the best contact for a Seldovia application, and I've cc'd him.

I'll figure out internally who in Project Management can help with a Nanwalek IT application, and will inform the group.

John Nichols, P.E. Rural Utility Management Services Director Phone (907) 729-5695 (800) 560-8637 ext 5695 Fax 729-4506

email: jpnichols@anthc.org

**From:** Garvey, LaVonne [mailto:LaVonne.Garvey@hud.gov]

**Sent:** Thursday, August 29, 2019 11:29 AM

**To:** Baldwin, Cynthia A <<u>cabaldwin@anthc.org</u>>; Journey, David E <<u>dejourney@anthc.org</u>> **Cc:** Beveridge, David <<u>dbeverid@anthc.org</u>>; Cox, Christopher O <<u>cocox@anthc.org</u>>; Dongoski, Heather <<u>hdongoski@anthc.org</u>>; Johnson, Shyler K <<u>skjohnson@anthc.org</u>>; Lestenkof, Sherry A

<salestenkof@anthc.org>; Nichols, John P <jpnichols@anthc.org>; Robertson, Charlene E

<<u>cerobertson@anthc.org</u>>; Ward, Amanda <<u>acward@anthc.org</u>>; Cruthers, Katie Q <<u>Katie.Q.Cruthers@hud.gov</u>>

**Subject:** [External] Nanwalek/Seldovia Water Issue

### Good Morning!

I apologize for emailing this out to everyone but was not sure who to contact regarding this issue. As most of you probably already know, Nanwalek and Seldovia are experiencing deteriorating drought conditions. HUD would like to try and assist them with a possible Imminent Threat grant but right now they are in emergency mode. To get them an IT grant they need a 3<sup>rd</sup> party letter outlining conditions and possible ways to alleviate the situation. Is this something that ANTHC could assist with?

Thank you very much for your time, LaVonne

Qa Vonne K Garvey

Grants Management Specialist US Dept. of Housing and Urban Development Alaska Office of Native American Programs 3000 C Street, Suite 401

Anchorage, AK 99503-3914

E-Mail.....lavonne.garvey@hud.gov

Alaska ONAP...... www.hud.gov/akonap

Every obstacle presents an opportunity to improve our condition!