

Shoemaker, Brianna@DWR

From: Leland Frayseth <leland.frayseth@gmail.com>
Sent: Wednesday, March 9, 2022 10:46 AM
To: Arthur, Samantha@CWC; Makler, Alexandre(Alex)@CWC; Curtin, Daniel@CWC; Alvarado, Teresa@CWC; Swanson, Matthew@CWC; Gallagher, Kimberly@CWC; Steiner, Fern@CWC; Solorio, Jose@CWC; California Water Commission; Shoemaker, Brianna@DWR; Young, Amy@DWR; Cambra, Paul@CWC; Yun, Joseph@DWR; Klopfenstein, Rachael@DeltaCouncil; Erreca, Erik@DeltaCouncil; John Cunningham; spalmer@zone7water.com; john@goldenstatesalmon.org; Bob Wright; Obegi, Doug; Rachel Murphy; Kennedy, Kellye J; Jennifer Allen; jciampa@lagerlof.com; rperea@lagerlof.com
Subject: Fwd: Copernicus Sentinel 2A "Creek fire" images captured 8 Sept 2020 18:39:21 Zulu - Stop processing invoices

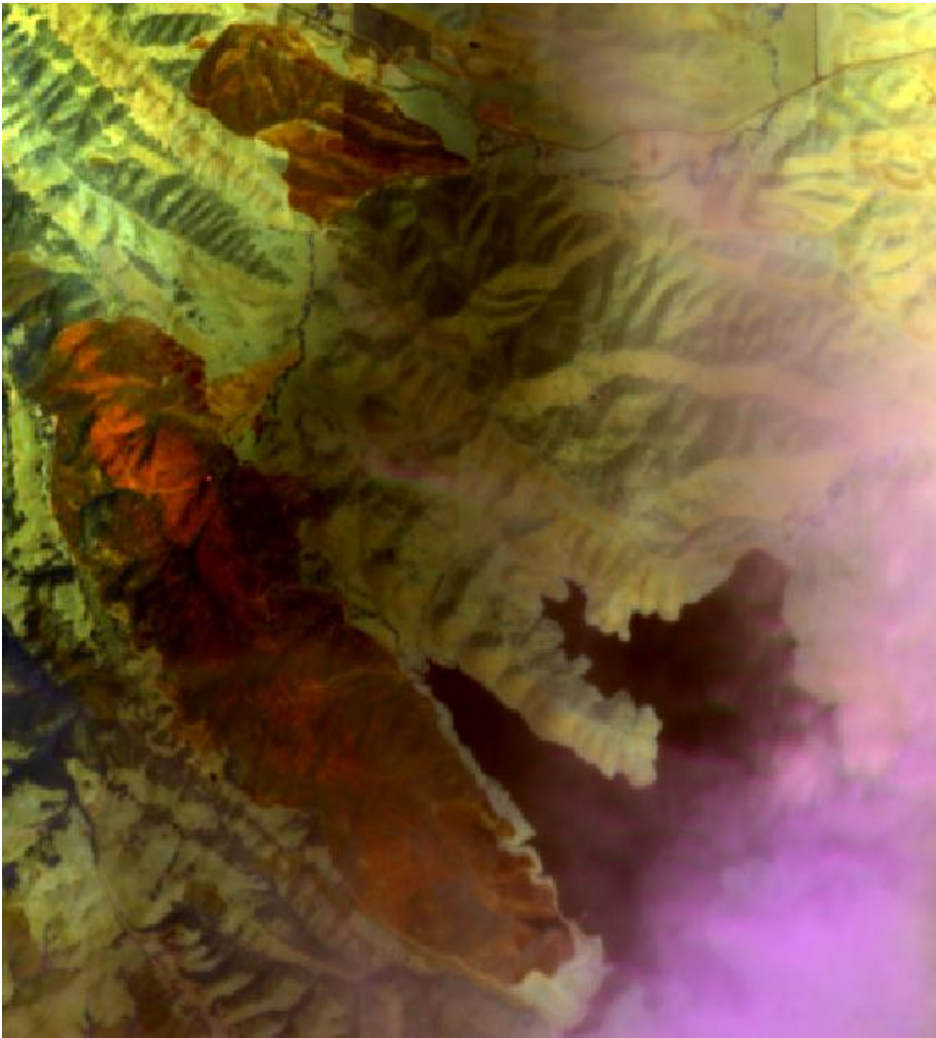
Dear CWC Commissioners, Los Vaqueros JPA Directors, Staff and the Public,

This is my 46th letter to the California Water Commission (CWC). This month marks my 5th year contributing public comments to the CWC and the Water Storage Investment Program (WSIP). Please embed this comment as a PDF link into the 16 March 2022 CWC agenda under item 7 Public Testimony as Brianna has done for my previous comments. Thank you Brianna.

Since I published the "Creek fire" European Space Agency (ESA) Copernicus Sentinel 2A satellite images to the CWC agenda and the Sentinel Toolbox Exploitation Platform (STEP) forum CalFire here in California and many other international organizations have adopted the band math method I use to see through the smoke in the infrared spectrum.

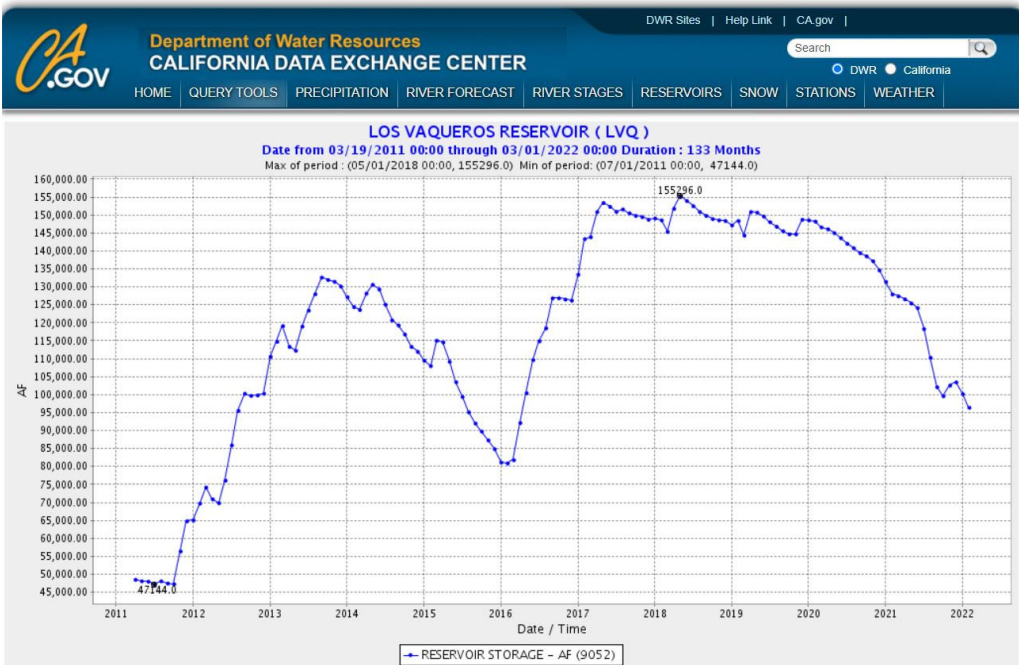
The Temperance Flat WSIP project on the San Joaquin river, watershed in "Creek fire", dropped out. Commissioners never approved Temperance Flat for Early Funding so no Prop 1 money was wasted on that failed project. I heard the Friant Dam water rights holders wanted priority water rights in Temperance Flat and that was a no go for new water rights holders so the project lost local support. WSIP projects were supposed to be shovel ready multiple people failed the taxpayers.

The Los Vaqueros Off Steam Reservoir 275,000 acre-feet expansion gets San Joaquin watershed water from 3 Contra Costa Water District (CCWD) intakes (Old River, Middle River and Rock Slough). Los Vaqueros suffered a fire 17 August 2020 shown in the satellite following satellite images. Los Vaqueros reservoir looks like a Boy Scout Tenderfoot pin from space. The reservoir arms on the left (West) is where the Los Vaqueros Joint Project Authority (JPA) and their contractors intend to bury the existing dam's concrete, rebar and earth that was constructed in 2011 that I as a CCWD customer pay debt service on for the next 40 years 😞.





It can take 10 years for a watershed to recover from a fire. The fire retardant CalFire drops from the air has washed from the Kellogg Creek watershed into Los Vaqueros reservoir due to heavy rains in October and December 2021 and I believe the runoff is responsible for increasing the reservoirs already poor water quality to $634\mu\text{S}/\text{cm}$ at my kitchen tap water this past year as the JPA drains Los Vaqueros reservoir in anticipation of getting \$854,000,000 Proposition 1 money 😞.



Thank you for reading this 5 year anniversary comment. I will be sending an additional comment on Los Vaqueros ProForma financial model it is taking longer to stitch together because I have encountered a lot of obfuscation. However showering and drinking this nasty 634µS/cm Los Vaqueros water makes me determined so I will

get the comment to you soon and ask you to stop funding Los Vaqueros 275,000 acre-feet expansion and fire the JPA Directors and Contractors.

Troubled assets in red merging into Los Vaqueros 275,000 acre-feet Joint Powers Authority with additional \$1.2 Billion state and federal bailout

Year	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Avg Rate Increase	1.5%	1.5%	4.0%	4.0%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%

COMPARISONS OF CALIFORNIA WATERFIX COSTS TO OTHER LARGE WATER INFRASTRUCTURE PROJECTS IN THE STATE

The project costs and impacts of California WaterFix on individual public agencies are comparable to the construction of other large water infrastructure projects and underscores the project's economic value.

A survey of both the funding mechanisms used for other public water projects as well as the capital cost impacts of those projects was previously considered in Chapter 8 of the Bay Delta Conservation Plan. As shown in Table 6, per capita costs for California WaterFix facilities compare favorably with other large-scale water projects in California.

TABLE 6: COSTS OF LARGE-SCALE WATER PROJECTS IN CALIFORNIA, SORTED BY PER CAPITA COSTS IN 2017 DOLLARS

Project	Agency	Date Completed	Capital Cost in Billions (1)	Population within Service Area in Millions (2)	Project Cost per Capita
Diamond Valley Reservoir/Inland Feeder	Metropolitan Water District	2000	\$3.6	18	\$198
Freeport Project	East Bay Municipal Utility District	2010	\$0.6	1.3	\$481
Emergency Storage Project	San Diego County Water Agency	Est. 2014	\$1.7	2.8	\$598
Capital Improvement Program	Santa Clara Valley Water District	Ongoing	\$1.1	1.8	\$620
California WaterFix	CA Department of Water Resources	Est. 2033	\$16.7	25	\$669
Los Vaqueros Reservoir Expansion Project	Contra Costa Water District	2012	\$0.7	0.55	\$1,186
State Water Project	State of California	1965	\$19.2	13	\$1,476
Coastal Branch Aqueduct	Department of Water Resources and Central Coast Water Authority	1997	\$1.1	0.43	\$2,444
Hetch Hetchy Aqueduct Improvement Project	San Francisco Public Utilities Commission	Ongoing	\$5.1	2.5	\$2,052

Source: BDCP Public Draft, November 2013, Chapter 8, Table 8-44.
 (1) Capital costs presented in 2017 based on ENR Construction Cost Index - 20 Cities.
 (2) Population at time of completion or 2017 for projects not yet completed.

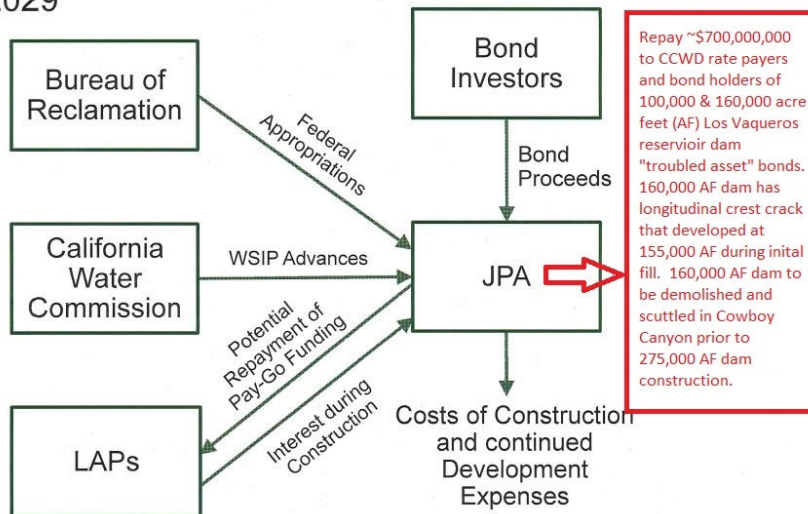
missing Oroville gated & emergency spillway failure \$1.2B repairs \$51B litigation

Received: 12 Nov 2020 Leland Frayseth
 From: CaliforniaDWRsupport Public Records Request R000419-072820

Flow of Funds: Construction Period

2021 – 2029

LHF redline 9 Mar 2022



- The v1.0 Proforma Model assumes that all Pay-Go contributions provided by LAPs through FY2020 will be repaid to participating LAPs (with interest) using the proceeds from FY2021 bond issuances.

Thank you,
Leland Frayseth
Lifetime Fisherman, 5 year CWC contributor and 37 year CCWD customer

----- Forwarded message -----

From: **Leland Frayseth** <leland.frayseth@gmail.com>

Date: Mon, Sep 14, 2020 at 11:57 AM

Subject: Re: Copernicus Sentinel 2A "Creek fire" images captured 8 Sept 2020 18:39:21 Zulu - Stop processing invoices

To: <armando.quintero@cw.ca.gov>, <carol.baker@cw.ca.gov>, <andrew.ball@cw.ca.gov>, <daniel.curtin@cw.ca.gov>, <maria.herrera@cw.ca.gov>, <Teresa.Alvarado@cw.ca.gov>, <Matthew.Swanson@cw.ca.gov>, <cwc@water.ca.gov>, Shoemaker, Brianna@DWR <Brianna.Shoemaker@water.ca.gov>, <amy.young@water.ca.gov>, Cambra, Paul@CWC <Paul.Cambra@cw.ca.gov>, Yun, Joseph@DWR <joseph.yun@water.ca.gov>, Rachel Murphy <rmurphy@ccwater.com>, Kennedy, Kellye J <kkennedy@usbr.gov>, Klopfenstein, Rachael@DeltaCouncil <rachael.klopfenstein@deltacouncil.ca.gov>, <erik.errec@delatocouncil.ca.gov>, John Cunningham <john.cunningham@dcd.cccounty.us>, <Karen.Mogus@waterboards.ca.gov>

Cc: <spalmer@zone7water.com>, <info@dcdca.org>, <Jessica.Boyt@water.ca.gov>, <Sarah.Sugar@waterboards.ca.gov>, <Paige.Uttley@wildlife.ca.gov>, <Michael.Mierzwa@water.ca.gov>, Bill Wells <commodorewells@msn.com>, Cat Kaiser <cat@goldenstatesalmon.org>, Daniel Bacher <danielbacher@fishsniffer.com>, Scott T. Anderson <scotta@newsreview.com>

Update 1

Dear Colleagues,

Reference the image below, the right window Copernicus Sentinel 2A "Creek fire" image captured 13 Sept 2020 18:39:29 Zulu, 8 Sept 2020 left window.

I penetrated the smoke layer obscuring the visible spectrum by using the default atmospheric penetration mapping of colors and wavelengths in SNAP 7.0.4.

Color Band nano-meters

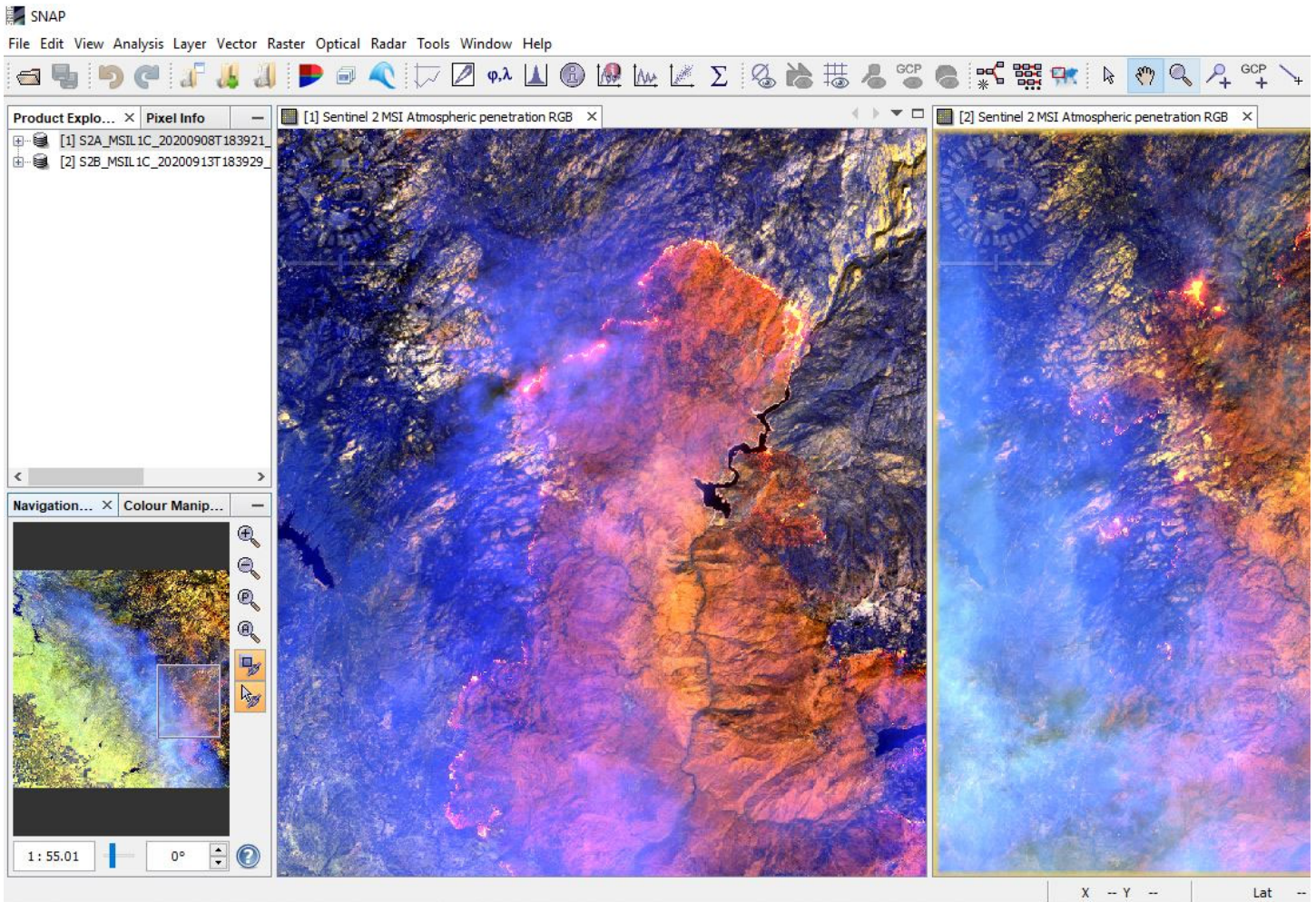
Red B12 2190

Green B11 1610

Blue B8A 865

It appears back fires and fire breaks established on 8 Sept in north east came unbuttoned. Imagine if you had a multi-year Tempeance Flat construction project underway in this part of our state. The CWC, WSIP staff and WSIP applicants seriously need to dial wild fires and preventative controled burns into their planning, consturction, schedule, cost estimates and contingency plans.

Leland
Concerned citizen and taxpayer



On Wed, Sep 9, 2020 at 7:49 AM Leland Frayseth <leland.frayseth@gmail.com> wrote:
 Copernicus Sentinel 2A "Creek fire" images captured 8 Sept 2020 18:39:21 Zulu - Stop processing invoices

Dear Commissioners, Staff and the Public,

This is my 35th letter to the California Water Commission (CWC). Please accept the attached European Space Agency (ESA) Copernicus Sentinel 2A "Creek fire" (East of Fresno California USA) satellite images captured 8 Sept 2020 18:39:21 Zulu for the 21 Oct 2020 CWC meeting under the public comment agenda item.

I penetrated the smoke layer obscuring the visible spectrum by using the default atmospheric penetration mapping of colors and wavelengths in SNAP 7.0.4.

Color Band nano-meters

Red B12 2190

Green B11 1610

Blue B8A 865

It can take 10 years for a watershed to recover from fire and the "Creek fire" is in the heart of the San Joaquin River watershed as you can see in the attached close-up of Mammoth Pool Reservoir. This fire will decimate water quality downstream and kill salmon swimming to spawn in the San Joaquin and Mokelumne River, a tributary to the San Joaquin.

Please immediately stop processing invoices for all Water Storage Investment Program (WSIP) projects on the San Joaquin River until you, Staff and the Public understand all of the environmental and ecological impacts and the impacts have been publicly vetted.

Thank you,
Leland Frayseth
Concerned taxpayer and citizen

