



COLMA CREEK CITIZENS ADVISORY COMMITTEE MEETING

Tuesday, June 13, 2023, at 3:00 pm

**IN-PERSON MEETING WITH
REMOTE PUBLIC PARTICIPATION AVAILABLE**

This meeting will be held **in-person** at:

Colma Town Hall, located at 1198 El Camino Real, Colma, CA, 94014

For members of the public wishing to attend remotely, please use the following link:

[OneShoreline-org.zoom.us/j/82864805076](https://oneshoreline-org.zoom.us/j/82864805076)

or call 669-444-9171 (Meeting ID# 828 6480 5076)

AGENDA

- I. Roll Call
- II. Public Comment
- III. Action to Set the Agenda and Approve the Consent Agenda
 - a. Approve minutes of the December 13, 2022 and March 14, 2023 meetings
- IV. Update on Colma Creek Flood Zone Projects and Maintenance Activities, including the draft Fiscal Year 2023-24 Budget
- V. City of South San Francisco Presentation on their Lindenville Specific Plan *
- VI. Adjournment

* There are no attached documents associated with this agenda item

NEXT MEETING: Tuesday, September 12, 2023, 3:00 pm

San Mateo County Flood and Sea Level Rise Resiliency District
Colma Creek Citizens Advisory Committee

Meeting Minutes
Tuesday, December 13, 2022

AGENDA

CALL TO ORDER

Helen Fisicaro called to order the regular meeting of the Colma Creek Flood Control Zone Citizens Advisory Committee at 3:06 pm on Tuesday, December 13, 2022 via Zoom.

I. ROLL CALL

Members: ☒ ☐

Present

Absent

- | | | |
|-------------------------------------|-------------------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Helen Fisicaro, Chair – Town of Colma |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sue Vaterlaus – City of Pacifica |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Mike Futrell – City of South San Francisco |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Jovan Grogan – City of San Bruno |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Raymond Buenaventura, City of Daly City |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Gail DeFries, Member at Large – City of Daly City |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Ed Bortoli, Member at Large – City of South San Francisco |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Ryan Mayfield, Member at Large – City of South San Francisco |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Lissette Morales, Member at Large – City of South San Francisco |

Staff:

Present

Absent

- | | | |
|-------------------------------------|-------------------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Len Materman – OneShoreline |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Colin Martorana – OneShoreline |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Makena Wong – OneShoreline |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Richard Chiu – City of Daly City |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Eunejune Kim – City of South San Francisco |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Matthew Ruble – City of South San Francisco |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Ken Anderson – City of South San Francisco |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Alex Henry – City of South San Francisco |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Billy Gross – City of South San Francisco |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Dave Bockhaus – City of South San Francisco |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Kim Santos – City of South San Francisco |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Alan Velasquez – County of San Mateo |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Eric Yurkovich – Raimi Associates |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Meghan McNulty – Raimi Associates |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Mark Chow – County of San Mateo |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Ann Stillman – County of San Mateo |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Dave Pine – County of San Mateo |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Michael Barber – County of San Mateo |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Brad Donohue – Town of Colma |

II. Public Comment

No comments from the public.

III. Action to Set the Agenda and Approve the Consent Agenda

1. Adopt Resolution 2022-12-13 to continue conducting meetings of the Advisory Committee remotely due to public health concerns caused by the COVID-19 pandemic
2. Approval of minutes of September 20, 2022 meeting
3. Approval of Committee Meeting dates: March 14, June 13, September 12, December 12

IV. Update on Colma Creek Flood Zone Projects And Maintenance Activities

Colin Martorana spoke on this item and provided the Committee with updates of the following:

1. District planning and coordination activities with the City of South San Francisco on their General Plan
2. Updates on the Channel Discharge Pipe Repair/Replacement Project
3. Updates on District-led maintenance activities

V. Introduction of New At-Large Committee Member Lissette Morales

VI. Presentation by the City of South San Francisco on the Lindenville Specific Plan*

- Jovan: It would be great for the covered pathway to connect the San Bruno BART station to the Caltrain Station.
- Billy: A discussion of Alternatives will be occurring in early February, with the goal to bring to City Council by end of February to select a preferred plan. Will then go into more detailed analysis with that direction.
- Helen: We will meet next in March, and we can go over more details at that meeting
- Lissette: Will you present all 3 alternatives to City Council?
 - Billy: As soon as we get more feedback on the Alternatives, we will modify accordingly.
- Makena: As the committee members digest the information, comments and feedback or questions such as what is compelling to them, are welcomed even after the meeting.
- Makena: Policy item: Facilitate the transfer of development away from Colma Creek to naturalize the channel, create active transport, and manage flooding, all in alignment with OneShoreline objectives.

VII. ADJOURNMENT

The meeting adjourned at 4:08 p.m.

NEXT MEETING

Tuesday, March 14, 2023, 3:00 p.m.

San Mateo County Flood and Sea Level Rise Resiliency District
Colma Creek Citizens Advisory Committee

Meeting Minutes
Tuesday, March 14, 2023

AGENDA

CALL TO ORDER

Helen Fisicaro called to order the regular meeting of the Colma Creek Citizens Advisory Committee at 3:03 p.m. on Tuesday, March 14, 2023; In-person and Zoom.

I. ROLL CALL

Members: ☒ ☐

Present

Absent

| | | |
|-------------------------------------|-------------------------------------|--|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Helen Fisicaro, Chair – Town of Colma |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sue Vaterlaus – City of Pacifica |
| <input type="checkbox"/> | <input type="checkbox"/> | <i>Open</i> – City of South San Francisco |
| <input type="checkbox"/> | <input type="checkbox"/> | <i>Open</i> – City of San Bruno |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Raymond Buenaventura – City of Daly City |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Gail DeFries, Member at Large – City of Daly City |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Ed Bortoli, Member at Large – City of South San Francisco |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Ryan Mayfield, Member at Large – City of South San Francisco |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Lisette Morales, Member at Large – City of South San Francisco |

Staff:

Present

Absent

| | | |
|-------------------------------------|-------------------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Len Materman – OneShoreline |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Colin Martorana – OneShoreline |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Makena Wong – OneShoreline |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Brad Donohue – Town of Colma |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Richard Chiu – City of Daly City |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Eunejune Kim – City of South San Francisco |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Matthew Ruble – City of South San Francisco |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Ken Anderson – City of South San Francisco |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Alex Henry – City of South San Francisco |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Billy Gross – City of South San Francisco |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Mark Chow – County of San Mateo |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Rob Dusenbury – Lotus Water |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Emily Shaw – Hassell |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Richard Mullane – Hassell |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Lewis Knight – SERA Design |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Kim Santos – City of South San Francisco |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Junko Bryant – Grassroots Ecology |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Dave Bockhaus – City of South San Francisco |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Ann Stillman – County of San Mateo |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Dave Pine – County of San Mateo |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Michael Barber – County of San Mateo |

II. Public Comment

No comments from the public.

III. Action to Set the Agenda and Approve the Consent Agenda

1. The number of representatives attending this meeting was not adequate to constitute a quorum, making this an Informational Meeting only. As a result, an action to approve the minutes of the December 13, 2022 meeting was not taken, and is instead deferred to the June 13, 2023 convening.

IV. Update on Colma Creek Flood Zone Projects And Maintenance Activities

- Colin Martorana provided several project updates, including the Channel Discharge Pipe Repair/Replacement Project, updates on the homeless encampments at the downstream reach, and the removal of the illegal skatepark upstream of the Centennial Way Trail crossing.
- Regarding the Mitigation Site Trash Clean-Up activities, Colin discussed an upcoming volunteer-led clean-up event scheduled for April 15 from 9:00 am – 12:00 pm downstream of the Bay Trail pedestrian bridge.
- Rob Dusenbury of Lotus Water updated the committee on the first year's operations of the Stormwater Capture Project at Orange Memorial Park.

V. Presentation by Hassell providing an overview of their Colma Creek Schematic Design

- Emily Shaw and Richard Mullane of Hassell provided several updates and activities underway on project. Provided clarity as to what endangered Ridgway's rails are; noted the project considers ADA access;
- Suggests future opportunities for outreach to residents and private companies as team-building exercises, to get them involved, as well as implementation in the future to go out to agencies to obtain funding.
- Noted that there would be educational walks occurring in April and May, led by Mountain Watch
- Billy Gross and Makena Wong discussed the Lindenville Specific Plan, OneShoreline's role in this effort, and Colma Creek findings and reports collaborating with Hassell's designs.

VI. ADJOURNMENT

The meeting was adjourned at 4:06 p.m.

NEXT MEETING

Tuesday, June 13, 2023, 3:00 p.m.

Colma Creek Citizens Advisory Committee Meeting

Tuesday, June 13, 2023, 3:00 pm

Status of the Colma Creek Flood Zone Projects and Maintenance Activities

A reference map of all Colma Creek Flood Zone Projects and Maintenance Activities (Appendix A), as well as the most current estimated Flood Zone Budget (Appendix B), is enclosed. Questions on any of the material referenced below can be discussed at this Committee meeting.

Status of Projects: Non-recurring large planning or construction efforts led by the San Mateo County Flood and Sea Level Rise Resiliency District (OneShoreline) or by the County Department of Public Works on behalf of OneShoreline.

1. Planning and Coordination with City of South San Francisco's General Plan

Since the City's General Plan was adopted in October 2022, the City and OneShoreline continue to be in communication on how to put the General Plan's vision of a climate-resilient and community-enriching Colma Creek to action – most recently this has taken place through OneShoreline's engagement in the development of the Lindenville Specific Plan, which is currently targeted for adoption in Fall 2023. On May 8, the City, its consultant (Raimi & Associates), and OneShoreline met to discuss the latest updates in the Plan's development, including modelling to investigate causes of flooding on Colma Creek and Navigable Slough and potential flood protection measures. A verbal update on the status of the Plan and this modelling will be delivered by the City of South San Francisco as part of Agenda Item 5. More details on the Plan's goals and timeline may be found online here: <https://shapessf.com/plan-lindenville/>.

2. Channel Discharge Pipe Repair/Replacement Project between U.S. Highway 101 and Utah Avenue

This project will repair or replace 15 deteriorated discharge pipes that drain to the Creek. County staff contracted with Granite Rock Company (GRC) to complete this work in 2022, however, the project was postponed as a reverification letter was required by the US Army Corps of Engineers due to changes made during the final design to accommodate changes in site conditions since 2017. County staff has recommended that the Project Description for the new 5-year maintenance permit currently in review by the regulatory agencies be modified so that this project may be completed under the new maintenance permits. GRC has secured the materials that required long lead times (reinforced concrete pipe, flap gates, and headwalls) and those materials are stored at a staging area used by GRC.

GRC has provided their annual labor rate escalation costs, which equates to an increase in Project costs over last year's estimate of approximately \$25,000. Those increased costs for labor, the County's administrative costs, as well as the remaining work by GRC to complete this project are included in the Fiscal Year 2023-24 Budget.

The Project Description was revised and submitted to environmental regulatory agencies on March 23, 2023. OneShoreline and County staff are currently working to address the comments and questions received by the U.S. Army Corps of Engineers and Regional Water Quality Control Board (RWQCB), with the goal of acquiring the appropriate permits to commence construction in August 2023.

Status of Maintenance Activities: Recurring activities to maintain the existing Colma Creek channel, led by OneShoreline or by the County Department of Public Works on behalf of OneShoreline.

1. Colma Creek Operations & Maintenance

a. 5-year Maintenance Permit Renewal

On March 23, 2023, OneShoreline submitted the revised permit application materials for the new 5-year maintenance permits. Final approval is still pending agency review.

b. Maintenance and Minor Repairs

The quarterly inspection of the Colma Creek Flood Control Channel was performed on May 9, 2023 by County, City of South San Francisco, and OneShoreline staff. Photos documenting these activities may be found in Appendix C.

c. Illegal Dumping/Encampments

Homeless encampments remained active between Utah Avenue and the Bay Trail pedestrian bridge, and under the South Airport Boulevard and Produce Avenue bridges. These sites continue to be a concern for impacts to the channel and water quality. OneShoreline staff continues to work with staff from the City of South San Francisco and non-profit groups to address the encampments.

d. Sediment Dredging Downstream of Utah Avenue

On behalf of OneShoreline, the County monitors sediment depositions via periodic bathymetric surveys in the channel, within the reach from Utah Avenue bridge to Navigable Slough. The most recent bathymetric survey was conducted in late 2021 and the results indicated no significant changes to the sediment accumulation levels when compared to the 2017 survey data. The channel cross sections generated by the model using the 2021 survey data remained largely unchanged from the 2017 model. The study's conclusion was that dredging in this segment of the channel is not currently needed, and will continue to be monitored closely into the future.

2. Mitigation Site Maintenance

County staff in coordination with OneShoreline hosted a student volunteer planting and cleanup day at mitigation site 3 near the mouth of the Creek on April 15, 2023. A total of 42 students from Alta Loma Middle School Service Club and El Camino High School Key Club, as well as three staff from the County and OneShoreline participated in this event.

On April 22, 2023, County staff and the City of South San Francisco's Environmental Compliance Program hosted an Earth Day clean up event in which 134 volunteers participated.

In order to reduce the amount of trash accumulated on the mitigation sites, OneShoreline is currently looking into other alternative methods, such as the use of contractors, to perform more regular trash cleanup efforts in the future.

The table below summarizes the trash removed from the Mitigation Sites since 2005 and trash pick-up dates in 2023.

| Year | Trash Removed in cubic yards | Event Dates |
|-------------------|-------------------------------------|--------------------|
| 2023 | 6.02 | 4/15, 4/22 |
| Total (2005-2023) | 727.45 | |

An additional 253.09 cubic yards of trash has been removed from other sites along the channel since 2005, which includes 16 cubic yards that were collected on the Earth Day clean up event.

3. Maintenance Agreements

OneShoreline and the Town of Colma are making arrangements for vegetation and graffiti abatement within the District's right-of-way, in the area upstream of McLellan Drive. This work falls within the tasks anticipated in our Maintenance Agreement with the Town, and as Town staff have historically performed similar activities along this reach, we are confident in the Town's ability to complete the work in an effective and timely manner.

Status of Non-District Projects: Non-recurring, big-ticket planning or construction efforts in the Colma Creek Flood Zone that are not led by OneShoreline.

1. Regional Stormwater Capture Project at Orange Memorial Park (City of South San Francisco and San Mateo Countywide Water Pollution Prevention Program)

The Orange Memorial Park Stormwater Capture project completed construction in the spring of 2022, and the City has begun a 1-year commissioning period to ensure the proper functioning of the system. To continue post-construction operations of this system, project partners are currently seeking to identify a source of funding for long-term operation and maintenance activities.

2. Colma Creek Full Trash Capture Project

A collaborative partnership led by the Town of Colma, City of Daly City, Caltrans, and OneShoreline aims at construction of an in-channel full trash capture device located in the Town of Colma. The Project is intended to provide full trash capture for the 1-year, 1-hour design storm, draining a 3000-acre area, and benefits those agencies, as well as BART. The Project will be funded by Caltrans under a Cooperative Agreement in order for them to meet permit requirements in compliance with the RWQCB's Municipal Regional Permit. A preliminary analysis of the channel hydraulics is currently underway to determine the impacts of the device within the channel, and consider alternatives.

| | | Total of Prior 5 Years (FY16-17 through 20-21)* | 2022-23 (Budget) | 2022-23 (Actual YTD) | 2023-24 (Draft Budget) |
|---|--|--|---------------------|-------------------------|---------------------------|
| Revenue | | | | | |
| | Taxes (Secured Property) | | \$ 4,167,095 | \$ 6,021,481 | \$ 5,075,653 |
| | Rent and Interest Income | | \$ 25,131 | \$ 299,346 | \$ 196,550 |
| | Inter-governmental Revenue | | \$ 95,307 | \$ 13,538 | \$ 97,375 |
| | Total Revenue | \$ 23,909,201 | \$ 4,287,533 | \$ 6,334,366 | \$ 5,369,578 |
| General Administration of Flood Zone | | | \$ 165,860 | \$ 148,129 | \$ 150,450 |
| Project Expenditures | | | | | |
| <i>Project Number</i> | <i>Project Name</i> | | | | |
| 1 | Planning & Coordination with City of SSF General Plan | | | | |
| | Preliminary Study | \$ 88,448 | \$ 50,000 | \$ - | \$ 50,000 |
| 2 | Channel Discharge Pipe Repair/ Replacement Project | | | | |
| | Design & Permitting | \$ 75,527 | \$ - | \$ 8,863 | \$ 15,000 |
| | Construction | \$ - | \$ 828,761 | \$ 307,287 | \$ 546,874 |
| | Project Administration | \$ 91,567 | \$ 207,190 | \$ 32,132 | \$ 213,540 |
| | Total Project Expenditures/Estimates | \$ 1,053,881 | \$ 1,085,951 | \$ 348,281 | \$ 825,414 |
| Maintenance Activities Expenditures | | | | | |
| <i>Activity Number</i> | <i>Activity Name</i> | | | | |
| 1 | Colma Creek Operations & Maintenance | | | | |
| | Maintenance Tools and Equipment | | \$ 2,000 | \$ - | \$ - |
| | Maintenance and Minor Repairs | \$ 1,128,865 | \$ 430,000 | \$ 24,623 | \$ 800,000 |
| | Project Administration | \$ 224,222 | \$ 107,500 | \$ 116,363 | \$ 200,000 |
| 2 | Mitigation Site Maintenance | | | | |
| | Annual Maintenance Activities | \$ 454,017 | \$ 90,000 | \$ 4,922 | \$ 25,000 |
| 3 | Maintenance Agreements | | | | |
| | With City of South San Francisco | \$ 20,720 | \$ 45,000 | \$ - | \$ 45,000 |
| | With Town of Colma | \$ 53,256 | \$ 35,000 | \$ - | \$ 35,000 |
| | Total Maintenance Activities Expenditures/Estimates | \$ 1,881,080 | \$ 709,500 | \$ 145,908 | \$ 1,105,000 |
| | Total Expenditures/Estimates | \$ 2,934,961 | \$ 3,503,860 | \$ 494,189 | \$ 1,930,414 |
| Estimated Fund Balance at End of Fiscal Year | | | \$ 32,766,399 | \$ 34,446,952 | \$ 37,886,116 |

*Expenditures before FY20-21 do not include staff time

Appendix C

Colma Creek Flood Control Channel Maintenance Matrix Monitoring Photos

Survey Date: May 9, 2023

Colma Creek Flood Control Channel Maintenance Matrix
Monitoring Photos
Survey Date: May 9, 2023
Mouth to Produce Avenue Maintenance Segment



Photos 1 & 2 – Top photo shows Colma Creek looking downstream from the Bay Trail pedestrian bridge. Bottom photo shows Colma Creek looking upstream from the pedestrian bridge.

Colma Creek Flood Control Channel Maintenance Matrix

Monitoring Photos

Survey Date: May 9, 2023



Photos 3 & 4 – Top and bottom photos show multiple homeless encampments between the Bay Trail pedestrian bridge and Utah Avenue. Three encampments were observed on Mitigation Site 2. **OneShoreline and SSF Police Department are aware of the encampments. OneShoreline is in communication with LifeMoves.**

Colma Creek Flood Control Channel Maintenance Matrix

Monitoring Photos

Survey Date: May 9, 2023



Photos 5 & 6 – Top photo shows Colma Creek looking downstream from the Utah Avenue bridge. Bottom photo shows Colma Creek looking upstream from the Utah Avenue Bridge.

Colma Creek Flood Control Channel Maintenance Matrix

Monitoring Photos

Survey Date: May 9, 2023



Photos 7 & 8 – Top photo shows Colma Creek looking downstream towards the Utah Avenue bridge. Bottom photo shows Colma Creek looking upstream towards the S. Airport Blvd. bridge.

Colma Creek Flood Control Channel Maintenance Matrix

Monitoring Photos

Survey Date: May 9, 2023



Photos 9 & 10 – Top photo shows debris on the bank of Colma Creek adjacent to the hotel at 245 S. Airport Blvd. Bottom photo shows Colma Creek looking upstream from the S. Airport Blvd. bridge.

Colma Creek Flood Control Channel Maintenance Matrix

Monitoring Photos

Survey Date: May 9, 2023



Photos 11 & 12 – Top photo shows an encampment under S. Airport Bridge. Bottom photo shows dumped debris upstream of S. Airport Bridge on the bank of Colma Creek adjacent to the hotel at 222 S. Airport Blvd. **OneShoreline and SSF staff are aware of the encampment and illegal dumping.**

Colma Creek Flood Control Channel Maintenance Matrix

Monitoring Photos

Survey Date: May 9, 2023

Produce Avenue to the Dissipater Teeth Maintenance Segment



Photos 13 & 14 – Top photo shows Colma Creek looking downstream from the Produce Avenue bridge. Bottom photo shows Colma Creek looking upstream from the Produce Avenue bridge.

Colma Creek Flood Control Channel Maintenance Matrix

Monitoring Photos

Survey Date: May 9, 2023



Photos 15 & 16 – Top photo shows crack in channel wall downstream of Produce Avenue bridge. Bottom photo shows sinkhole forming behind the wall filled with dumped debris. **OneShoreline** and **SSF** staff are aware of the conditions of the channel wall and sinkhole.

Colma Creek Flood Control Channel Maintenance Matrix

Monitoring Photos

Survey Date: May 9, 2023



Photos 17 & 18 – Top photo shows debris at Produce Avenue bridge. An encampment also exists under Produce Ave bridge at this location. **OneShoreline and SSF Police Department are aware of the encampment.** Bottom photo shows Colma Creek looking downstream from the San Mateo Avenue bridge.

Colma Creek Flood Control Channel Maintenance Matrix

Monitoring Photos

Survey Date: May 9, 2023



Photos 19 & 20 – Top photo shows illegal dumping along the access road by the SSF sewer pump station. **SSF staff are aware of the illegal dumping.** Bottom photo shows Colma Creek looking upstream from the San Mateo Avenue bridge.

Colma Creek Flood Control Channel Maintenance Matrix

Monitoring Photos

Survey Date: May 9, 2023



Photos 21 & 22 – Top photo shows Colma Creek looking upstream towards the Linden Avenue bridge. Bottom photo shows Colma Creek looking downstream from the Spruce Avenue bridge.

Colma Creek Flood Control Channel Maintenance Matrix Monitoring Photos

Survey Date: May 9, 2023

Dissipater Teeth to Old Channel Maintenance Segment



Photos 23 & 24 – Top photo shows ladder and debris accumulated at the dissipater teeth upstream of the Spruce Avenue bridge. Bottom photo shows void underneath the north sidewalk upstream of the Spruce Avenue bridge. County staff recommend monitoring the void in future inspections and have a consultant evaluate the cause of soil erosion.

Colma Creek Flood Control Channel Maintenance Matrix

Monitoring Photos

Survey Date: May 9, 2023



Photos 25 & 26 – Top photo shows raised channel floor and overgrown vegetation in the channel between Orange Avenue and dissipator teeth. Bottom photo shows Colma Creek looking downstream from the Orange Avenue bridge.

Colma Creek Flood Control Channel Maintenance Matrix

Monitoring Photos

Survey Date: May 9, 2023



Photos 27 & 28 – Top photo shows Colma Creek looking upstream from Orange Avenue bridge. Bottom photo shows Colma Creek looking downstream from the Orange Park pedestrian bridge. Overgrown vegetation observed in the wall joints between the Orange Avenue bridge and Orange Park pedestrian bridge.

Colma Creek Flood Control Channel Maintenance Matrix

Monitoring Photos

Survey Date: May 9, 2023



Photos 29 & 30 – Top photo shows Colma Creek looking downstream from the Centennial Way pedestrian bridge. Bottom photo shows a discarded shopping cart in the channel upstream of the Centennial Way pedestrian bridge. **SSF staff is aware of the shopping cart.**

Colma Creek Flood Control Channel Maintenance Matrix

Monitoring Photos

Survey Date: May 9, 2023



Photos 31 & 32 – Top photo shows channel bottom with cracked joint upstream of the Centennial Way pedestrian bridge and in the vicinity of the Kaiser Permanente parking lot. Bottom photo shows Colma Creek looking downstream from the SSF BART Station culvert.

Colma Creek Flood Control Channel Maintenance Matrix

Monitoring Photos

Survey Date: May 9, 2023



Photos 33 & 34 – Top photo shows Colma Creek looking upstream from the SSF BART Station culvert. Bottom photo shows accumulated debris at the inlet to the SSF BART Station box culvert at McLellan Drive. County staff recommend OneShoreline to coordinate with SSF staff to remove the debris per the MOA between OneShoreline and SSF.

Colma Creek Flood Control Channel Maintenance Matrix

Monitoring Photos

Survey Date: May 9, 2023



Photos 35 & 36 – Top photo shows cut fence near the inlet of the SSF BART Station box culvert near Trader Joe's. County staff recommend OneShoreline to coordinate with SSF staff to repair the fence per the MOA between OneShoreline and SSF. Bottom photo shows Colma Creek looking upstream from the Costco pedestrian bridge.

Colma Creek Flood Control Channel Maintenance Matrix

Monitoring Photos

Survey Date: May 9, 2023



Photos 37 & 38 – Top photo shows graffiti on the channel wall between the Costco pedestrian bridge and the Mission Road Box Culvert. Bottom photo shows old Colma Creek channel downstream of the El Camino Real bridge at the Mission Road intersection. **County recommend OneShoreline to coordinate with Town of Colma staff to address these issues per the MOA between OneShoreline and Town.**