City of Petaluma Flood History

Floodplain Overview

SONOMA WATER ZONE 2A APRIL 17, 2025





Discussion

- Introductions:
 Public Works &
 Utilities
 Reorganization
- The Bathtub: Basin and Watershed
- Flood History Photos





Public Works & Utilities Organizational Update

- Now Two Departments: Public Works Water Resources & Utilities
- Both Departments Perform Flood Work

PUBLIC WORKS DEPARTMENT



Paul Kaushal Director



Kent Corothers City Engineer

Gina Benedetti-Petnic Assistant Director

Development Engineering & Floodplain Management



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WATER RESOURCES & UTILITIES DEPARTMENT



Chelsea Thompson Director



Dan Herrera, Deputy Director of Operations

Steve Worrell, Deputy Director of Environmental Services



Oriana Hart, Water Resources and Conservation Manager

PETALUMA RIVER BASIN: AN OVERVIEW

ScottHessPhoto.com

Where does flood water come from?

Water comes down the land, creeks and river from rain

Water also comes up the River from the Bay

Floodplain Management in Petaluma



Updated models will inform General Plan policies and zoning ordinance.



Critical information for flood management projects.



Improve current Class 6 standing in the FEMA NFIP Community Rating System (CRS) Utilize higher regulatory standards

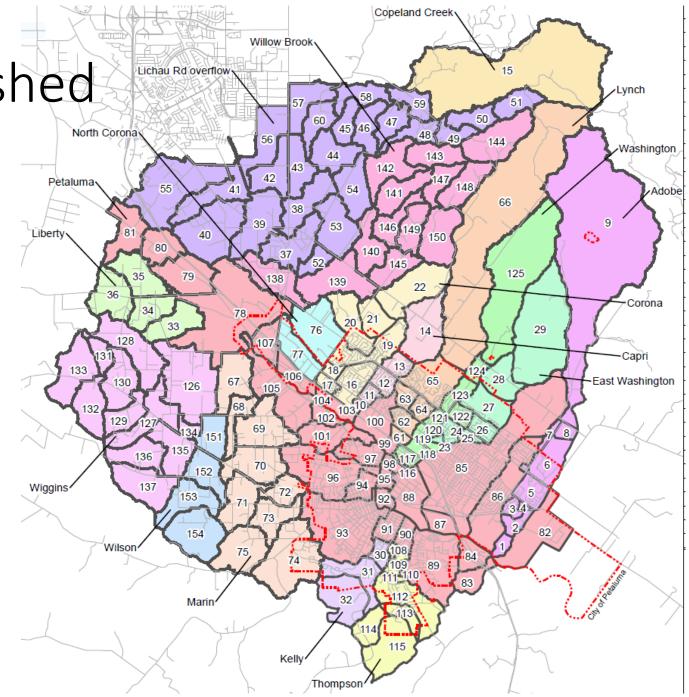
Enhance natural flood management & maintenance solutions

Identify priority parcels for mitigation



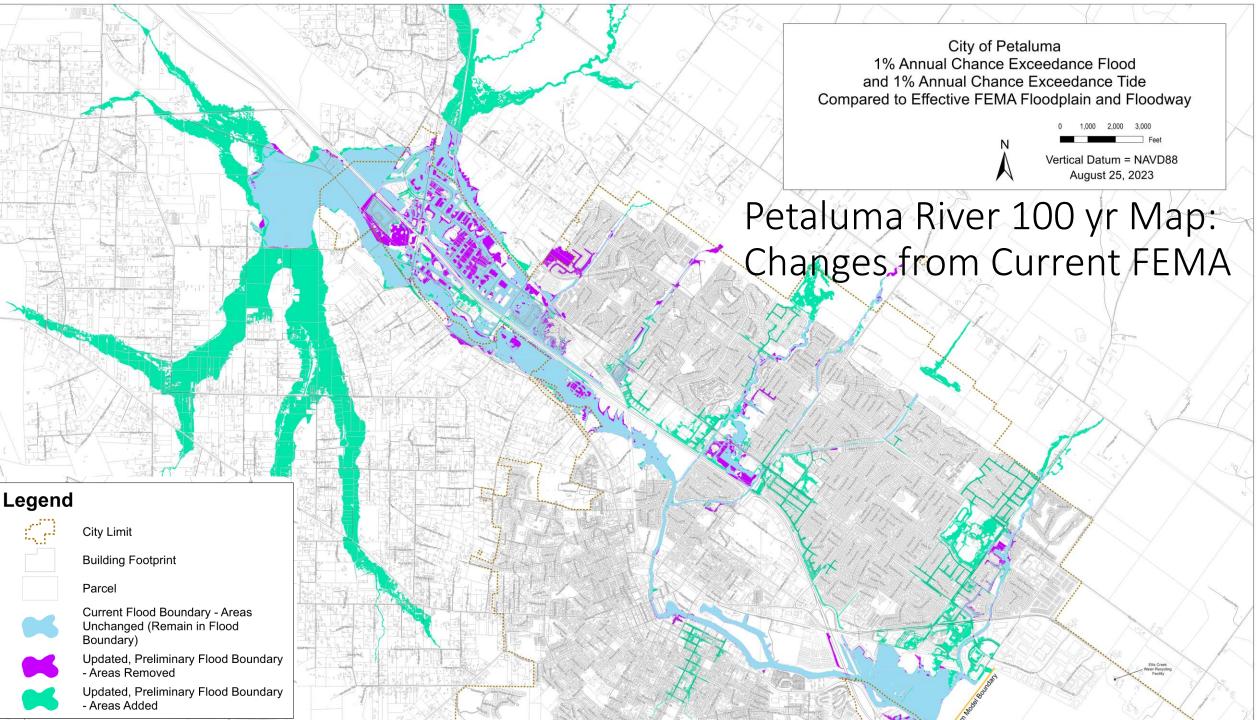
Petaluma River Watershed

- This is the Petaluma River watershed
- Flow estimated in each drainage area for HEC-HMS Flood Model
- 154 subbasins





Petaluma Stream Gauges Map https://mobileweatherdata.com/coppwd/





Historic Flood Images 1982 - 2023

East Washington Street, 1982

2017 - North Petaluma Blvd

Petaluma Blvd. North at Sonty Point Road 1982

Province of

HENNY PENNY RESTAURANT

Youngstown Mobile Home Park North McDowell Blvd near Corona December 31, 2005

Holm Road – Auto Row and Denman Reach December 31, 2005

(PELLIN)

Petaluma Blvd. North – North of Corona Road December 31, 2005

Hummel Property December 31, 2005



Payran and Washington Creek December 31, 2005



Confluence of Washington Creek into River just upstream of Payran Bridge



From Payran Bridge looking upstream at floodwall

Laugnitas Brewery, North McDowell Blvd. December, 2014

100

RESTRICTED ACCESS LAGUNITAS BUSINESS ONLY 1340

Autorite Later

EcoVolt

Sugar Sugar

12

Magnolia Avenue December 11, 2014

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WATCH FOR TORTOIS 10

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the property of

and Making

THE PRESENCE STATEMENT OF

FIELD CLOSED

Lindberg Lane and Lakeville Street December, 2014

Payran Flood Control Project Constrution August, 2015

Atmospheric River January 9, 2023

Stony Point Road at Twin Bridges

Denman Reach Detention Pond Phase 4 Industrial Ave. January 9, 2023

Denman Reach Detention Pond Phase 4 Industrial Ave. January 9, 2023



Petaluma Blvd. North

Stony Point Road

NW Stony Point Road at Twin Bridges January 9, 2023

Thank You!

Pamela Tuft

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