Monterey County

2022-2023 Winter Storm Emergency

Legislative Workshop

Monterey County Department of Emergency Management

Overall Response

- **Incident Overview**
- Period of heavy rain from **December 26, 2022, through January 16th 2023,** which saturated the ground and brought rain, flooding, and wind.
- With countywide flooding, the county and several incorporated cities, and special districts proclaimed a local emergency.
- The Monterey County Department of Emergency Management activated its Emergency Operations Center. The City of Salinas joined our EOC. Other cities and county department activated their EOC's and Department Operation Centers.

Major Areas of Concern

- All watersheds including Salinas, Carmel, Pajaro, Arroyo Seco, and Big Sur Rivers
- Risk of levee system failure
- Risk of localized flooding from rains
- Flooding along creeks and drainage courses
- Risk in burn scars due to extended length of rain
- Compromised public infrastructure and roadways.

Significant Events

- The County of Monterey declared a local emergency on 12/27/22.
- The State of California has declared an Emergency for “2022-2023 Early Winter Storms” 1/4/23.
- California’s Governor Newsom requested a Presidential Emergency Declaration on 1/8/23 https://bit.ly/3itbizf.
- Presidential Emergency Declaration EM-3594-CA supporting the response was granted 1/9/2023.
- Monterey, San Luis Obispo and Santa Barbara counties have been added to the major federal disaster declaration for California’s severe storms and flooding on 1/19/23.

Initial Damage Assessment

- County Wide Initial Damage Assessments are above $120M
  - Including Initial Response and Emergency Repairs
  - Including Agriculture Industry.
  - Including Cities and Special Districts

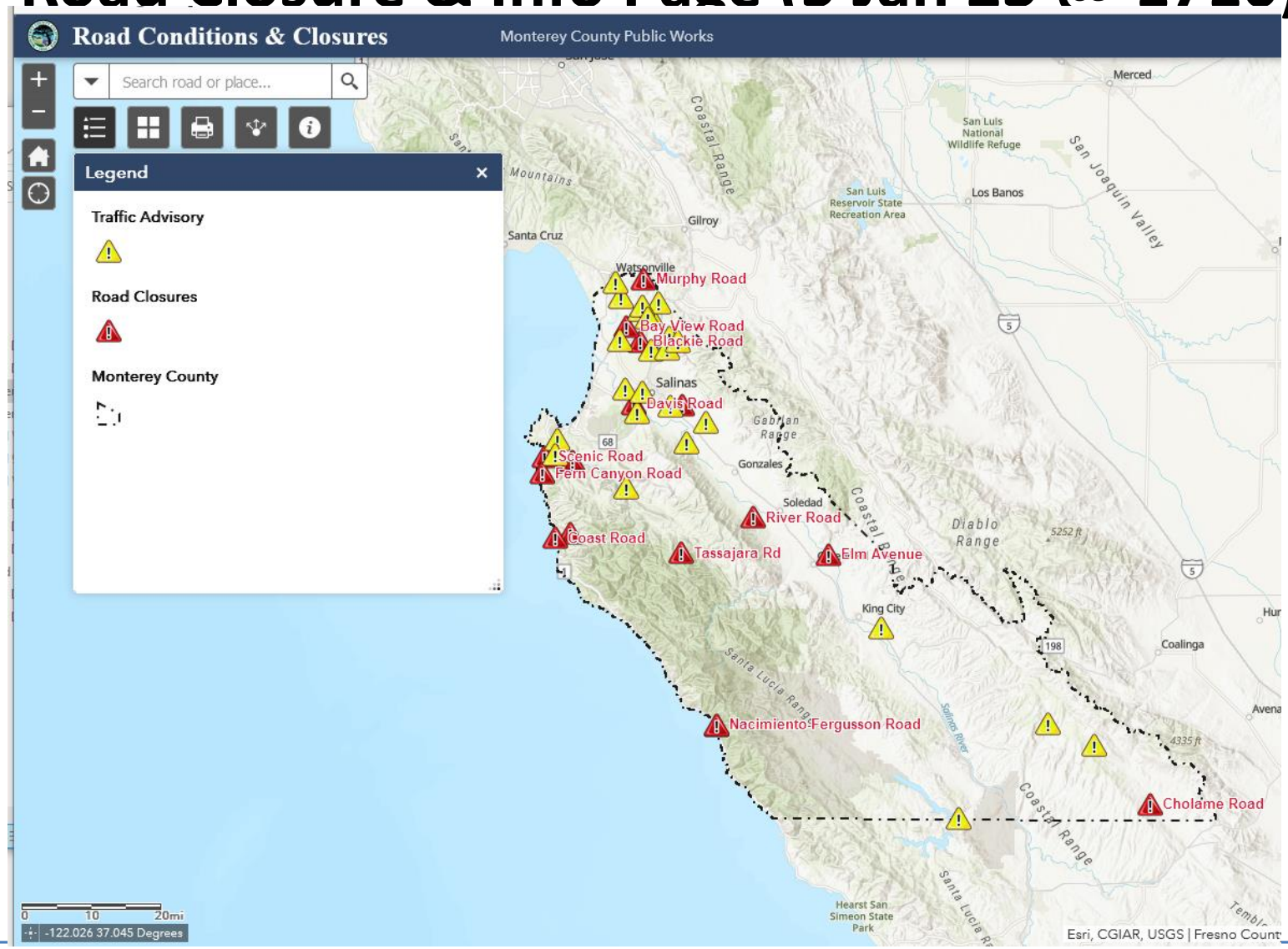
Public Assistance

- At present the declaration only includes Categories A & B and Individual Assitance
- Currently County, State, and Federal officials are conducting damage assessments to qualify the county for Permanent Work.
- There are many permanent work projects that are critical to public infrastructure for the other Categories - Dam, Tide Gates, Parks, Sewage Treatment Ponds

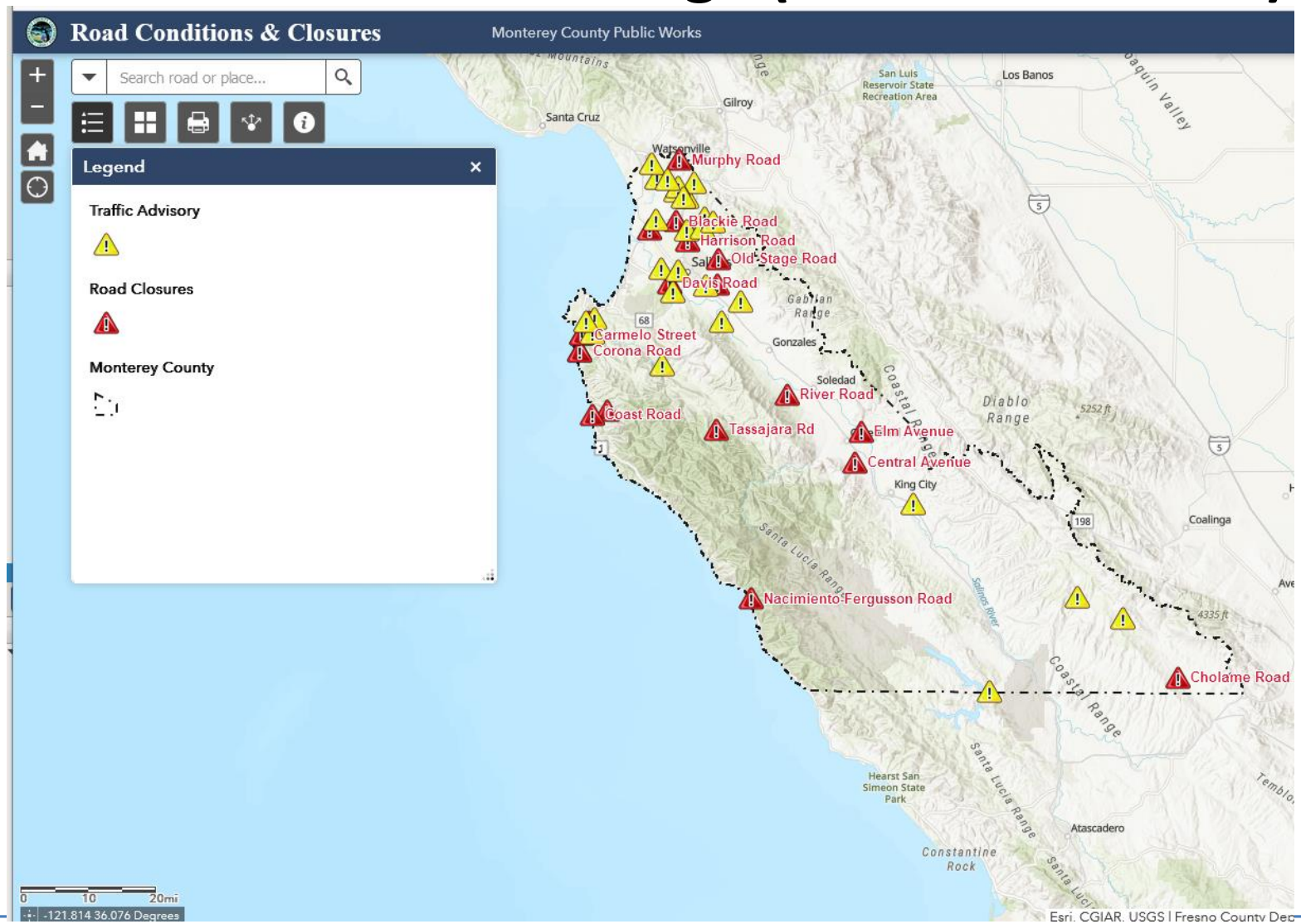
- EMERGENCY WORK - MUST BE COMPLETED WITHIN SIX MONTHS
- Category A: Debris removal
- Category B: Emergency protective measures
-
- PERMANENT WORK - MUST BE COMPLETED WITHIN 18 MONTHS
- Category C: Roads and bridges
- Category D: Water control facilities
- Category E: Public buildings and equipment
- Category F: Public utilities
- Category G: Parks, recreational, and other facilities

Monterey County Department of Public Works, Facilities, and Parks

Road Closure & Info Page (5 Jan 23 @ 1710)

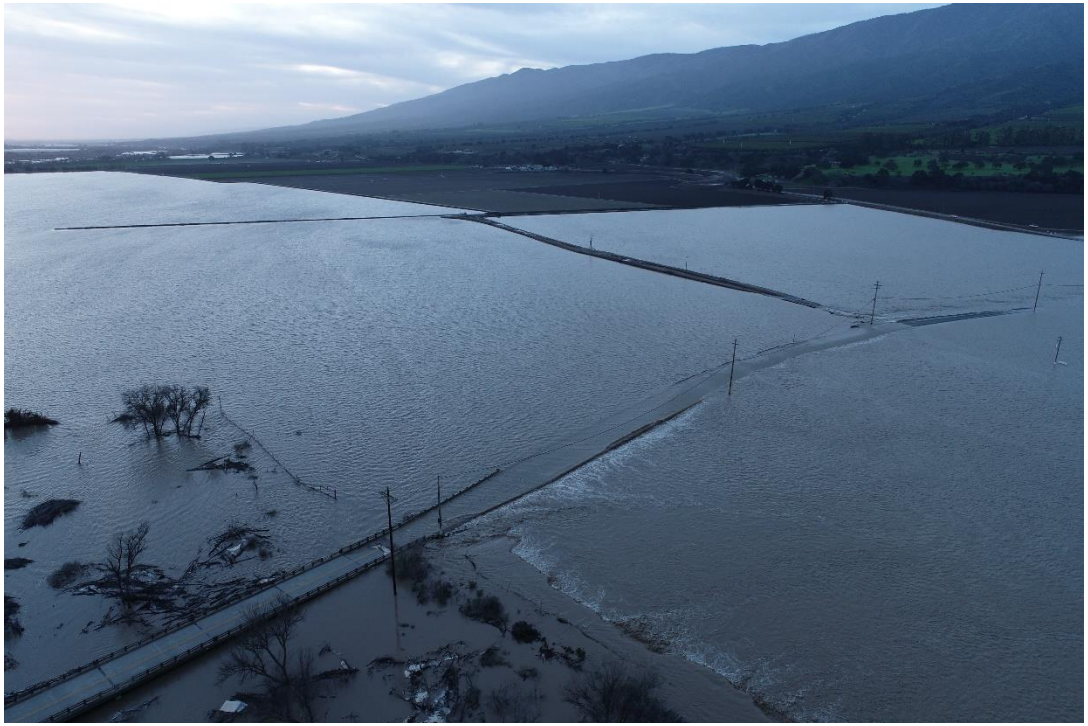


Road Closure & Info Page (9 Jan 23 @ 1115)



Pine Canyon Road @ Live Oak Way

Gonzales River Road



Scenic Road

Location

After Storms and Waves

River Road (Camphora and Foothill)

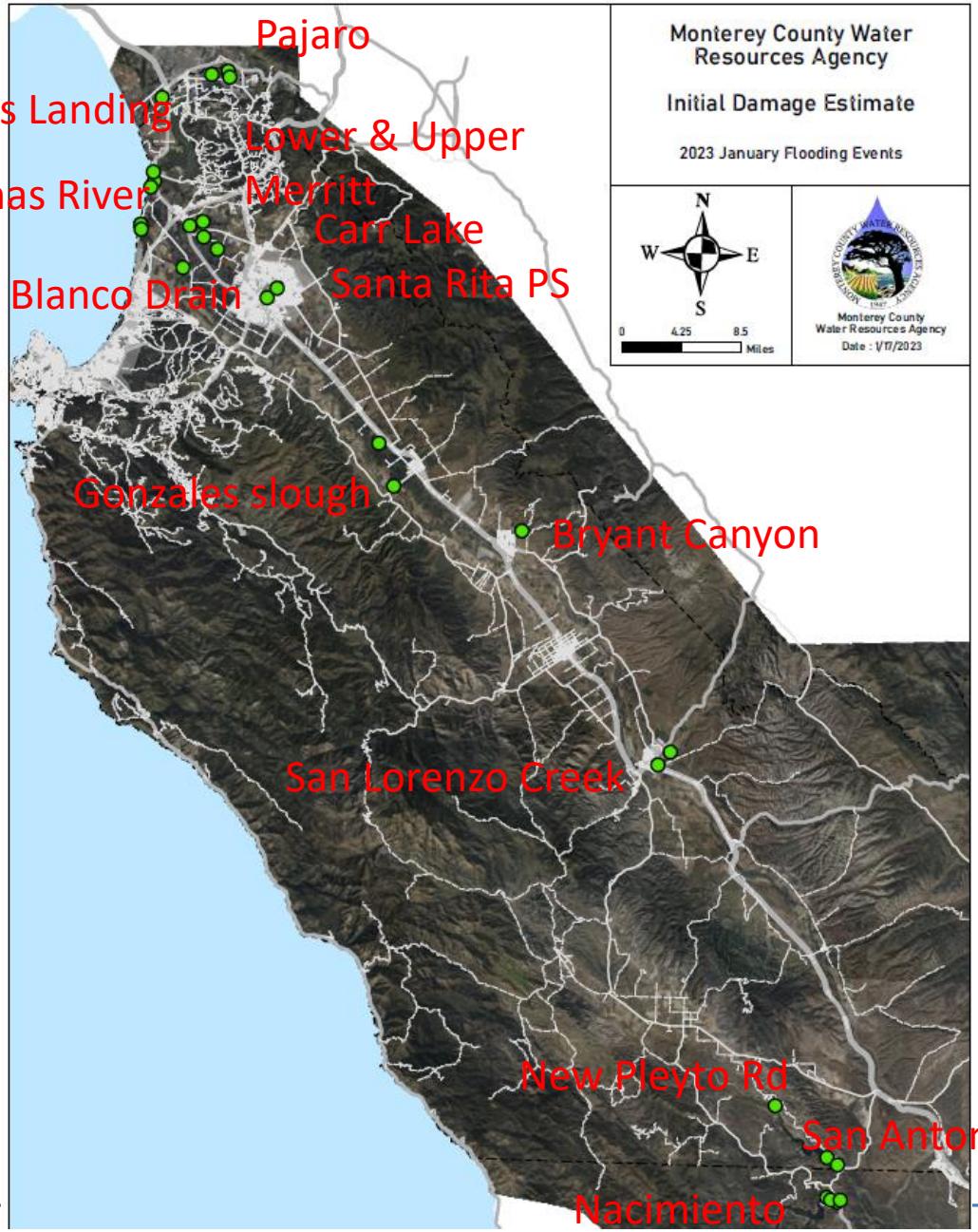
Chualar WWTP

Location

Flooding from Salinas River

Monterey County Water Resource Agency

Areas with Damage



Debris Clearance

Items	Estimates	Descriptions
SR lagoon gates and fences	150,000	dredging, debris, erosion
SR Lagoon Levee Rd	50,000	debris clearance
Potrero Tide Gates	250,000	debris removal at least 5 times
debris in nacimiento reservoir	250,000	debris removal around reservoir in remote locations
Total Estimates	**700,000**	

Protective Measures

Items	Estimates	Descriptions
staff time	750,000	
flood fight materials	1,500,000	
Removal of Sunk House Boat	50,000	removal of houseboat that sunk at San Antonio
Total Estimates	**2,300,000**	

Road System

Items	Estimates	Descriptions
New Pleyto Rd	150,000	road undermined
Nacimiento Hydroplant access rds and slope protection	1,000,000	debris and road instability/ slope failure and shoring
access gates	200,000	
signage	100,000	
Nacimiento Dragon's Breath Rd	75,000	sinkhole in road
SA Access roads	700,000	erosion and rebuild sections
Moss Landing Rd Culverts	300,000	sinkhole in road and culvert repair
SR Lagoon Levee Rd	500,000	road damage and rip rap needed for coastal surge
Pajaro Levee RM10 access road	125,000	repave and repair
Pajaro Levee RM0-7	500,000	road damage needs
Total Estimates	**3,650,000**	

Water Control Facility

Items	Estimates	Descriptions
Espinosa PS power loss	150,000	generator needed
Blanco Drain PS overtop slideg	50,000	erosion control
Santa Rita PS power loss	150,000	generator needed
Upper Merritt PS	125,000	sedimentation and erosion
Lower Merritt PS	125,000	sedimentation and erosion
Hebbron PS	125,000	sedimentation and erosion
Carr Lake erosion and sedimer	300,000	sedimentation and erosion
San Lorenzo Creek Floodwall le	200,000	seepage and undermining of wall/repair
concrete repairs	100,000	
slope stabilization	1,000,000	south county
Total Estimates	**2,325,000**	

Water Control Facility _continued

Items	Estimates	Descriptions
Pajaro Levee RM9-10	3,000,000	levee height restoration damage
Pajaro Levee RM7-9	1,000,000	levee damage
Bryant Canyon	125,000	erosion
log boom at Nacimiento Reser	2,500,000	debris boom damage and need to be replaced
SR Lagoon Slidegate	150,000	erosion
Gonzales Slough	25,000	channel impacts
Moss Landing Berm	75,000	erosion and rebuild
Total Estimates	**6,875,000**	

Buildings and Equipment

Items	Estimates	Descriptions
equipment rentals - UTV, trucks, heavy equipment	100,000	
pressure transducers in monitoring wells	30,000	flooded and need replacement
ALERT Storm Monitoring Gage Damage	125,000	replace gages and repeaters
Total Estimates	**255,000**	

Damage Assessment Summary

Items	Estimates
Debris Clearance	700,000
Protective Measures	2,300,000
Road System	3,650,000
Water Control Facility	9,200,000
Buildings and Equipment	255,000
Total WRA Estimates	**16,105,000**