

A.1 Mitigation Goals, Objectives, and Actions Tracking

A.1.1 GOAL 1: Promote a Flood Safer Community

OBJECTIVE	ACTION	Action Type	2004 Carry Over	STATUS / REASON	PRIORITY	TIME FRAME	COST	RESPONSIBLE AGENCY	FUNDING SOURCE
Objective 1.1: Develop and improve the countywide flood surveillance and early warning system.	Actions 1.1.1: Maintain City / County Storm Watch Program	N/A	Y	ON-GOING / SEE PROGRESS REPORT IN APPENDIX A.2	1	Ongoing	\$30,000 / YR	NCFCD and other participating jurisdictions.	Local Watershed Assessment
	Actions 1.1.X: Small Stream Warning System	N/A	X	DELETED / CONSOLIDATED FROM 2004 PLAN	1	5-10 Years	\$250,000	City of Napa	N/A
	Action 1.1.X: Storm early warning enhancements	N/A	X	DELETED / CONSOLIDATED FROM 2004 PLAN	1	5-10 Years	\$25,000	County Disaster Education Task Force	N/A
	Action 1.1.X: Community education flood fighting techniques	N/A	X	DELETED / CONSOLIDATED FROM 2004 PLAN	1	1-3 years	\$5,000 / YR	CERT Teams and Dept. of Water Resources	N/A
Objective 1.2: Support the completion of the Measure 'A' Flood Control as budgeted.	Action 1.2.1: Completion of the Measure 'A' Flood Control Project as budgeted	S&I	Y	ON-GOING / SEE PROGRESS REPORT IN APPENDIX A.2	1	2018	~\$500,000,000 (total)\$	Napa County Flood Control District	Measure A Tax Funds, federal funding
	Action 1.2.X: Streambed-Vegetation-Management Plan	S&I	X	DELETED / CONSOLIDATED FROM 2004 PLAN	2	3-5 Years	\$1,000,000	County Planning Department and all participating jurisdictions	N/A
	Action 1.2.X: Streambed and Bank Management Plan	S&I	X	DELETED / CONSOLIDATED FROM 2004 PLAN	2	3-5 Years	\$500,000	County and City Planning Staffs	N/A
	Action 1.2.X: Increasing Reservoir Capacity	S&I	X	DELETED / CONSOLIDATED FROM 2004 PLAN	3	5-10 Years	\$15,000,000	City/County Planning & Public Works Departments (Caltegsa and City of Napa)	N/A

OBJECTIVE	ACTION	Action Type	2004 Carry Over	STATUS / REASON	PRIORITY	TIME FRAME	COST	RESPONSIBLE AGENCY	FUNDING SOURCE
	Action 1.2.X: Elevation of Secondary Bridges Plan and Program	S&I	X	DELETED / CONSOLIDATED FROM 2004 PLAN	3	5-10 Years	\$40,000,000	City/County Planning & Public Works Departments	N/A
Objective 1.3 Floodproof Residential Structures	Action 1.3.1: Floodproof 100 most flood prone residential structures along areas not receiving direct protection from the Measure 'A' Flood Project.	S&I	Y	ON-GOING / SEE PROGRESS REPORT IN APPENDIX A.2	2	ongoing	\$5,000,000	Napa County, individual jurisdictions	Federal Grants
Objective 1.4: Napa River Restoration Efforts	Action 1.4.1: Secure grant funding to develop and implement river restoration program that would reduce flood damages and increase environmental quality on the river, maintain fish habitat, decrease impediment to drainage by preventing silt build up and loss of stream bed capacity.	NS	N	TO BE COMPLETED / SEE IMPLEMENTATION PLAN IN APPENDIX A.2	3	Annually	\$500,000 / YR	Napa County	Federal Grants/Local Sales Tax
Objective 1.5: Reduce the possibility of Localized Flooding	Action 1.5.1: Routinely inspect storm water channels for vegetation build up or encroachment, trash and debris, silt and gravel build up, and erosion or bank failure and maintain said channels were-permitted by California Department of Fish and Game. Action 1.5.2: Routinely inspect and maintain storm water inlets and outfalls for debris and obstructions, sand & gravel build-up, and structural damage or vandalism.	S&I	N	TO BE COMPLETED / SEE IMPLEMENTATION PLAN IN APPENDIX A.2	2	Annually	\$30,000	All participating jurisdictions.	General Funds/Watershed Assessment
		S&I	N	TO BE COMPLETED / SEE IMPLEMENTATION PLAN IN APPENDIX A.2	2	Annually	\$30,000	All participating jurisdictions.	General Funds/Watershed Assessment

A.1.2 Goal 2: Promote an Earthquake Safer Community

OBJECTIVE	ACTION	Action Type	2004 Carry Over	STATUS / REASON	PRIORITY	TIME FRAME	COST	RESPONSIBLE AGENCY	FUNDING SOURCE
Objective 2.1: Train Communities to be earthquake ready.	Action 2.1.1: Earthquake month public education program	PE&A	N	ON-GOING / SEE PROGRESS REPORT IN APPENDIX A.2	1	ANNUALLY	\$25,000 / YR	ALL JURIS.	GENERAL FUND?
	Action 2.1.3: Participate in 'The Great Shake Out' Statewide Drill	PE&A	N	TO BE COMPLETED / SEE IMPLEMENTATION PLAN IN APPENDIX A.2	1	ANNUALLY	\$25,000 / YR	ALL JURIS.	GENERAL FUND?
	Action 2.1.X: Earthquake insurance education campaign	S&I	Y	DELETED / CONSOLIDATED FROM 2004 PLAN	4	1-3 YEARS	\$15,000	City/County Disaster Education-Task Force-(all jurisdictions involved)	?
Objective 2.2: Ensure the ability of government to function in a post quake environment.	Action 2.2.1: Hardening and building redundant capability into Public Safety buildings.	S&I	Y	ON-GOING / SEE PROGRESS REPORT IN APPENDIX A.2	2	2020	\$11,000,000	ALL JURIS.	FEDERAL GRANTS
	Action 2.2.2: Retrofit Critical Public Safety Infrastructure.	S&I	N	ON-GOING / SEE PROGRESS REPORT IN APPENDIX A.2	3	2025	\$16,725	ALL JURIS.	FEDERAL GRANTS
	Action 2.2.X: Replacing and hardening county microwave and simulcast system		Y	DELETED / CONSOLIDATED FROM 2004 PLAN	4	1-3 YEARS	\$5,600,600	City/County Public Safety Communications	?
	Action 2.2.X: Hazard Mitigation-Motel-Home-Project		Y	DELETED / CONSOLIDATED FROM 2004 PLAN	4	3-5 YEARS	\$250,000	City/County Disaster Education-Task Force/Building Departments	?
	Action 2.2.X: Conduct a mobile-home tie-down program		Y	DELETED / CONSOLIDATED FROM 2004 PLAN	4	3-5 YEARS	\$6,250,000	City and County Public Works Departments	?

A.1.3 Goal 3: Promote a Fire Safer Community

OBJECTIVE	ACTION	Action Type	2004 Carry Over	STATUS / REASON	PRIORITY	TIME FRAME	COST	RESPONSIBLE AGENCY	FUNDING SOURCE
Objective 3.1: Develop a defensible space program to minimize impact of wildland-Urban interface fires.	Action 3.1.1: Develop & conduct a Defensible Space community education program.	PE&A	Y	ON-GOING / SEE PROGRESS REPORT IN APPENDIX A.2	1	ANNUALLY	\$10,000 / YR	NAPA FIREWISE	GENERAL FUND
	Action 3.1.2: Draft and Promulgate Defensible Space Ordinance.	LPR	Y	ON-GOING / SEE PROGRESS REPORT IN APPENDIX A.2	2	2015	\$15,000 / 5 YR	NAPA CO FIRE	GENERAL FUND
	Action 3.1.3: Develop Defensible Space enforcement and compliance program	S&I	X	DELETED / CONSOLIDATED FROM 2004 PLAN	2	1-3 Years	\$100,000	County Fire Marshall and Staff	?
	Action 3.1.4: Develop voluntary Defensible Space inspection program	S&I	X	DELETED / CONSOLIDATED FROM 2004 PLAN	1	1-3 Years	\$40,000	County Fire Marshall and Staff	?
	Action 3.1.5: Develop GIS Vegetation Layer Maps	S&I	X	COMPLETED	1	Completed	\$10,000	County Fire, AG and GIS	?
Objective 3.2: Create a sustainable public private partnership on building a safer community in the interface zone	Action 3.2.1: Foster and form neighborhood based Firewise Councils	LPR	Y	ON-GOING / SEE PROGRESS REPORT IN APPENDIX A.2	1	2013	\$10,000 / YR	NAPA FIREWISE	GENERAL FUND
	Action 3.2.2: Revise General Plan Safety Element with lessons learned from Firewise programs and analysis.	LPR	Y	ON-GOING / SEE PROGRESS REPORT IN APPENDIX A.2	2	EVERY 10 YRS	\$50,000 / 10 YRS	PLANNING, FIREWISE, CO FIRE	GENERAL FUND
	Action 3.2.3: Develop elected official Firewise education program	PE&E	X	DELETED / CONSOLIDATED FROM 2004 PLAN	1	1-3 Years	\$10,000	County Fire Marshall and Staff (County with City of Napa)	?
	Action 3.2.4: Develop Defensible Space Grant application program for homeowners (Model Defensible Space Landscaping projects)	PE&E	X	DELETED / CONSOLIDATED FROM 2004 PLAN	2	1-3 Years	\$5,000 / YR	County Fire Marshall and Staff	?
Objective 3.3: Develop a program to reduce shared threat in the interface zone.	Action 3.3.1: Maintain and further develop the Fuel Reduction Program.	NS	Y	ON-GOING / SEE PROGRESS REPORT IN APPENDIX A.2	2	3-5 Years	\$1,600,000 (to initiate), \$1,250,000/YR (to maintain)	County Fire and Planning Department Staff (County with City of Napa)	?
	Action 3.3.2: Enforce Interface Zone road ordinances		X	DELETED / CONSOLIDATED FROM 2004 PLAN	1	3-5 Years (ANNUALLY)	\$100,000 / YR	County Fire and Planning Department Staff	?
	Action 3.3.3: Implement Public Road Clearance and Improvement Program		X	DELETED / CONSOLIDATED FROM 2004 PLAN	1	5-10 Years	\$600,000 to initiate	County Fire and Planning Department Staff	

OBJECTIVE	ACTION	Action Type	2004 Carry Over	STATUS / REASON	PRIORITY	TIME FRAME	COST	RESPONSIBLE AGENCY	FUNDING SOURCE
	Action 3.2.XI-Implement Defensible Space measures into all Interface Zone building permit processes		Y	DELETED / CONSOLIDATED FROM 2004 PLAN	2	5-10 Years	\$40,000 to initiate	County Fire and Planning Department Staff (Napa County and City of Napa)	
	Action 3.2.XI-Develop an Insurance Incentive Program with Insurance Agencies		Y	DELETED / CONSOLIDATED FROM 2004 PLAN	3	5-10 Years	\$50,000	County Fire Marshall and Insurance Companies	
	Action 3.2.XI-Develop structural protection plans for urban interface areas	SEI	Y	DELETED / CONSOLIDATED FROM 2004 PLAN	3	MHD	\$100,000		
Objective 3.4: Maintain Emergency Operations Center for coordination on information and resources.	Action 3.4.1: Ensure training is provided for Command & General Staff positions in EOC's. Ensure EOC exercises are performed at least annually.	P&A	N	TO BE COMPLETED / SEE IMPLEMENTATION PLAN IN APPENDIX A.2	1	BI-ANNUALLY	\$20,000	NAPA CO OES	GENERAL FUND
Objective 3.5 Reduce the probability of Fire Ignitions.	Action 3.5.1: Focus on human causes of ignition and address the problem through education and enforcement actions, to include vigorous investigation and prosecution of arson.	LPR	N	TO BE COMPLETED / SEE IMPLEMENTATION PLAN IN APPENDIX A.2	1	ANNUALLY	\$25,000	COUNTY FIRE	GENERAL FUND
Objective 3.X Maintain quality of watershed by managing fuel and fire as part of the water quality environment	Action 3.X.XI-Develop a comprehensive watershed evaluation and maintenance plan		Y	DELETED / CONSOLIDATED FROM 2004 PLAN	1	3-5 Years	\$250,000	County Fire and Planning Department Staff (All Jurisdictions)	?
	Action 3.X.XI-Institute the watershed maintenance program		Y	DELETED / CONSOLIDATED FROM 2004 PLAN	1	5-10 Years	\$1,000,000-7M	County Fire and Contractors (All Jurisdictions)	?
	Action 3.X.XI-Fire and Fuel-Imaging and Residential Evolution Program-Project		Y	DELETED / CONSOLIDATED FROM 2004 PLAN	2	3-5 Years	\$1,600,000 to initiate	County Fire and Planning Department staff (County and City of Napa)	?
	Action 3.X.XI-Forester Technical Specialist Advisory Program		Y	DELETED / CONSOLIDATED FROM 2004 PLAN	2	5-10 Years	\$600,000	GDF-GSFHM	?

A.2 Mitigation Action Tracking Sheets

A.2.1 Action 1.1.1:

Mitigation Action	
Action 1.1.1: Maintain City / County Storm Watch Program	
Implementing Agencies	
Lead Agency (ies):	Napa County Flood control District
Roles and Responsibilities of Lead Agency (ies):	Maintain gauges and Onerain website
Support Agency (ies):	City of Napa
Roles and Responsibilities of Support Agency (ies):	Physical maintenance of gauges and communications equipment
Preliminary Identified Tasks: Napa County Flood Control District	
Maintain physical features of stream/precipitation gauges and associated software and website. Identify locations for new stations, coordinate and facilitate the meeting of local agencies interested in system	
Implementation Costs	
Estimated Capital Costs:	\$80,000 (upgrade Contrail base station/servers)
Estimated Maintenance Costs:	\$30,000
Implementation Resources	
Financial Resources (Funding):	Napa County Watershed Assessment
Technical Assistance Resources:	Napa City and Napa County RCD
Materials Needed	
(Equipment, Vehicles, and Supplies):	Readily Available (RA)/Need to Purchase (NTP)
Upgraded/Alert 2 compatible Contrail base Station and Server.	
Implementation Timeframe	
Estimated Mitigation Action Start Date:	N/A
Estimated Mitigation Action Completion Date:	

MHMP Goal Addressed: _____

Indicator of Success: _____

Project Status

Project on schedule

Project completed

Project delayed*

*explain _____

Project cancelled*

*explain _____

Project Cost Status

Cost unchanged

Cost overrun*

*explain _____

Summary of progress on project for this report:

A. What was accomplished during this reporting period?

Three new stream/precipitation gauge stations were installed in the Putah Creek watershed, consistent with recommendations from the County wide precipitation/stream flow monitoring report prepared in 2010.

B. What successes have you encountered, if any?

Installation of three new stations mentioned above.

C. What obstacles, problems, or delays have you encountered, if any?

Coordination installation and calibration of equipment.

D. How was each problem resolved?

E. Based on the past experiences (successes and obstacles), what changes, if any, need to be made to ensure completion?

Next Steps: What are the next step(s) to be accomplished over the next reporting period?

Project network software upgrade.

Other Comments:

A.2.2 Action 1.2.1:

Mitigation Action	
Action 1.2.1: Completion of the Measure 'A' Flood Control Project	
Implementing Agencies	
Lead Agency (ies):	Napa County Flood Control District
Roles and Responsibilities of Lead Agency (ies):	Support construction of project, acquire ROW
Support Agency (ies):	City of Napa
Roles and Responsibilities of Support Agency (ies):	Support construction
Preliminary Identified Tasks: Napa County Flood Control District	
Finish Contract 2 construction	
Finish Contract 3 construction	
Re-map the City of Napa's floodplain	
Implementation Costs	
Estimated Capital Costs:	~\$500,000,000 (total cost)
Estimated Maintenance Costs:	\$50,000/year
Implementation Resources	
Financial Resources (Funding):	County sales tax/federal funding
Technical Assistance Resources:	
Materials Needed	
(Equipment, Vehicles, and Supplies):	Readily Available (RA)/Need to Purchase (NTP)
Implementation Timeframe	
Estimated Mitigation Action Start Date:	1998
Estimated Mitigation Action Completion Date:	2018

Action 1.2.1 Progress Report

Progress Report Period: 2004 to 2009
 Project Title: Completion of the Measure 'A' Flood Control Project Project ID# _____
 Responsible Agency: Napa County Flood Control District
 Address: 804 First Street
 City: Napa
 Contact Person: Phil Miller
 Phone#: _____ email address: phillip.miller@countyofnapa.org
 List Supporting Agencies and Contacts: _____

Total Project Cost: ~\$500,000,000
 Funding Source: County Sales Tax / Federal Funding
 Anticipated Cost Overrun/Underrun: _____
 Date of Project Approval: _____ Start date of the project: 1998
 Anticipated completion date: 2018
 Description of the Project (include a description of each phase, if applicable, and the time frame for completing each phase): Flood protection project with the goal of providing most structures in the City of Napa with 100 year flood protection

Milestones	Completed (✓)	Projected Date of Completion
Completed Contract 1	Yes	
Completed Contract 4	Yes	

MHMP Goal Addressed:

Indicator of Success:

Project Status

Project on schedule

Project completed

Project delayed*

*explain

Project cancelled*

*explain

Project Cost Status

Cost unchanged

Cost overrun*

*explain

Summary of progress on project for this report:

A. What was accomplished during this reporting period?

Construction of flood protection along Napa Creek in downtown Napa

B. What successes have you encountered, if any?

Continued support of project and ongoing construction.

C. What obstacles, problems, or delays have you encountered, if any?

Delays due to uncertain federal funding

D. How was each problem resolved?

E. Based on the past experiences (successes and obstacles), what changes, if any, need to be made to ensure completion?

Next Steps: What are the next step(s) to be accomplished over the next reporting period?

Complete Contract 3 construction

Other Comments:

A.2.3 Action 1.3.1:

Mitigation Action	
Action 1.3.1: Elevate 100 most flood prone residential structures along areas not receiving direct protection from the Measure 'A' Flood Project.	
Implementing Agencies	
Lead Agency (ies):	Napa County Planning & Building, City of Calistoga, American Canyon Public Works
Roles and Responsibilities of Lead Agency (ies):	Project Work
Support Agency (ies):	All Participating Jurisdictions
Roles and Responsibilities of Support Agency (ies):	Homeowner Outreach
Preliminary Identified Tasks: Napa County Planning & Building	
1- Identify Repetitive Loss Properties	
2- Identify Property Owners (and approach?)	
3- Identify Mitigation for Flood	
4- Identify Funding Source	
5- Get Project Shovel Ready	
Preliminary Identified Tasks for Participating Jurisdictions with RL Properties.	
1- Identify repetitive loss properties & approach owners	
2- Apply for funding	
3- Identify flood-proofing techniques suitable	
4- Identify flood prone structures not covered by Measure A	
Preliminary Identified Tasks: American Canyon Public Works	
1- Enhance Knights Bridge Draining (Stormwater)	
2- Regular Inspection/Cleaning of Storm Water Drainages	
Implementation Costs	
Estimated Capital Costs:	\$5,000,000
Estimated Maintenance Costs:	Unknown
Implementation Resources	
Financial Resources (Funding):	City Capitol Budget Grants, Federal Grants

Technical Assistance Resources:	
Materials Needed	
(Equipment, Vehicles, and Supplies):	Readily Available (RA)/Need to Purchase (NTP)
Implementation Timeframe	
Estimated Mitigation Action Start Date:	
Estimated Mitigation Action Completion Date:	

Action 1.3.1 Progress Report

New or Refined Mitigation Action, Progress report will be issued for next update cycle.

Progress Report Period: _____ to _____

Project Title: _____ Project ID# _____

Responsible Agency: _____

Address: _____

City: _____

Contact Person: _____

Phone#: _____ email address: _____

List Supporting Agencies and Contacts: _____

Total Project Cost: _____

Funding Source: _____

Anticipated Cost Overrun/Underrun: _____

Date of Project Approval: _____ Start date of the project: _____

Anticipated completion date: _____

Description of the Project (include a description of each phase, if applicable, and the time frame for completing each phase): _____

Milestones	Completed (✓)	Projected Date of Completion

MHMP Goal Addressed: _____

Indicator of Success: _____

Project Status

Project on schedule

Project completed

Project delayed*

*explain _____

Project cancelled*

*explain _____

Project Cost Status

Cost unchanged

Cost overrun*

*explain _____

Summary of progress on project for this report:

A. What was accomplished during this reporting period?

B. What successes have you encountered, if any?

C. What obstacles, problems, or delays have you encountered, if any?

D. How was each problem resolved?

E. Based on the past experiences (successes and obstacles), what changes, if any, need to be made to ensure completion?

Next Steps: What are the next step(s) to be accomplished over the next reporting period?

Other Comments:

A.2.4 Action 1.4.1

Mitigation Action	
Action 1.4.1: Secure grant funding to develop and implement river restoration program that would reduce flood damages and increase environmental quality on the river, maintain fish habitat, decrease impediment to drainage by preventing silt build up and loss of stream bed capacity.	
Implementing Agencies	
Lead Agency (ies):	Napa County
Roles and Responsibilities of Lead Agency (ies):	Administer program
Support Agency (ies):	Napa County Flood Control District
Roles and Responsibilities of Support Agency (ies):	Support program
Preliminary Identified Tasks: Napa County	
1- See attached TMDL Plan	
Implementation Costs	
Estimated Capital Costs:	\$1.5 M/ yr
Estimated Maintenance Costs:	
Implementation Resources	
Financial Resources (Funding):	Federal Funding Needed
Technical Assistance Resources:	
Materials Needed	
(Equipment, Vehicles, and Supplies):	Readily Available (RA)/Need to Purchase (NTP)
Implementation Timeframe	
Estimated Mitigation Action Start Date:	
Estimated Mitigation Action Completion Date:	ongoing

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MHMP Goal Addressed: _____

Indicator of Success: _____

Project Status

Project on schedule

Project completed

Project delayed*

*explain _____

Project cancelled*

*explain _____

Project Cost Status

Cost unchanged

Cost overrun*

*explain _____

Summary of progress on project for this report:

A. What was accomplished during this reporting period?

B. What successes have you encountered, if any?

C. What obstacles, problems, or delays have you encountered, if any?

D. How was each problem resolved?

E. Based on the past experiences (successes and obstacles), what changes, if any, need to be made to ensure completion?

Next Steps: What are the next step(s) to be accomplished over the next reporting period?

Other Comments:

A.2.5 Action 1.5.1

Mitigation Action	
<p>Action 1.5.1: Routinely inspect storm water channels for vegetation build up or encroachment, trash and debris, silt and gravel build up, and erosion or bank failure and maintain said channels permitted by California Department of Fish and Game.</p>	
Implementing Agencies	
Lead Agency (ies):	Napa County Flood Control District
Roles and Responsibilities of Lead Agency (ies):	Coordinate with Cities
Support Agency (ies):	Local Jurisdictions, Napa Valley Community College
Roles and Responsibilities of Support Agency (ies):	
Preliminary Identified Tasks: Napa County Flood	
1- Attend Annual Flood Meetings	
2- Report Public Works Department Progress on Clearing and Cleaning	
3- Coordinate Effort between Flood Control, Cities and County	
Preliminary Identified Tasks: Napa Valley Community College	
1- Quarterly Inspection of Tulocay Creek	
2- Repair Corridor and College Pond and Drainage Pathway	
3- Maintain drainage pathway through College Property focusing on Pond and Corridor	
Implementation Costs	
Estimated Capital Costs:	\$100,000
Estimated Maintenance Costs:	\$15,000 local funding/ general fund
Implementation Resources	
Financial Resources (Funding):	Local watershed assessment / Federal Funding Needed
Technical Assistance Resources:	Local Biologist, Waterway Materials Contractor
Materials Needed	
(Equipment, Vehicles, and Supplies):	Readily Available (RA)/Need to Purchase (NTP)

County Roads	
City Public Works	
Implementation Timeframe	
Estimated Mitigation Action Start Date:	
Estimated Mitigation Action Completion Date:	ongoing

MHMP Goal Addressed: _____

Indicator of Success: _____

Project Status

Project on schedule

Project completed

Project delayed*

*explain _____

Project cancelled*

*explain _____

Project Cost Status

Cost unchanged

Cost overrun*

*explain _____

Summary of progress on project for this report:

A. What was accomplished during this reporting period?

B. What successes have you encountered, if any?

C. What obstacles, problems, or delays have you encountered, if any?

D. How was each problem resolved?

E. Based on the past experiences (successes and obstacles), what changes, if any, need to be made to ensure completion?

Next Steps: What are the next step(s) to be accomplished over the next reporting period?

Other Comments:

A.2.6 Action 1.5.2

Mitigation Action	
Action 1.5.2: Routinely inspect and maintain storm water inlets and outfalls for debris and obstructions, sand & gravel build-up, and structural damage or vandalism.	
Implementing Agencies	
Lead Agency (ies):	Local Agencies
Roles and Responsibilities of Lead Agency (ies):	County and All Cities
Support Agency (ies):	Napa Valley College, City of Calistoga
Roles and Responsibilities of Support Agency (ies):	
Preliminary Identified Tasks: Napa County	
1- Schedule Annual Inspections	
2- Coordinate with Napa Flood Control and Fish & Game	
3- Schedule work to be completed prior to October 15 th each year	
4- Create maps of stormwater: inlets and outfall	
Preliminary Identified Tasks Napa Valley Community College:	
1- Quarterly and (Weekly Seasonal Basis): inspect and maintain stormwater inlet and outfalls On College property.	
Preliminary Identified Tasks: City of Calistoga	
1- Inspection Program: Already in Progress	
Implementation Costs	
Estimated Capital Costs:	\$30,000
Estimated Maintenance Costs:	\$100,000
Implementation Resources	
Financial Resources (Funding):	Local Jurisdictions Annual Budget, General Fund, Local Funding
Technical Assistance Resources:	
Materials Needed	
(Equipment, Vehicles, and Supplies):	Readily Available (RA)/Need to Purchase (NTP)

Implementation Timeframe	
Estimated Mitigation Action Start Date:	
Estimated Mitigation Action Completion Date:	On-Going

MHMP Goal Addressed: _____

Indicator of Success: _____

Project Status

Project on schedule

Project completed

Project delayed*

*explain _____

Project cancelled*

*explain _____

Project Cost Status

Cost unchanged

Cost overrun*

*explain _____

Summary of progress on project for this report:

A. What was accomplished during this reporting period?

B. What successes have you encountered, if any?

C. What obstacles, problems, or delays have you encountered, if any?

D. How was each problem resolved?

E. Based on the past experiences (successes and obstacles), what changes, if any, need to be made to ensure completion?

Next Steps: What are the next step(s) to be accomplished over the next reporting period?

Other Comments:

A.2.7 Action 2.1.1

Mitigation Action	
Action 2.1.1: Earthquake month public education program	
Implementing Agencies	
Lead Agency (ies):	Napa County OES
Roles and Responsibilities of Lead Agency (ies):	Coordinate/Participate
Support Agency (ies):	All Jurisdictions and OP, City Fire Depts
Roles and Responsibilities of Support Agency (ies):	Schedule/Participate
Preliminary Identified Tasks: Napa County OES	
1- Utilize Info from Great Shake Out	
2- Coordinate with OP Area cooperators	
3- Encourage all agencies participation & reporting on results	
4- Report at Op Area Meeting prior to Earthquake Vote	
5- Identify number of Earthquake Kits needed for Public Outreach	
Preliminary Identified Tasks: American Canyon	
1- Participate in Earthquake Month Public Education	
Preliminary Identified Tasks: Calistoga	
1-Distribute information materials	
2-Public Workshop (school, city, mobile home parks)	
Implementation Costs	
Estimated Capital Costs:	\$25,000
Estimated Maintenance Costs:	
Implementation Resources	
Financial Resources (Funding):	Federal Grants, General Funds, Public Education, Fire District, and County
Technical Assistance Resources:	OES Coordinator
Materials Needed	
(Equipment, Vehicles, and Supplies):	Readily Available (RA)/Need to Purchase (NTP)
Earthquake Kits	NTP

Educational Supplies	NTP
Implementation Timeframe	
Estimated Mitigation Action Start Date:	
Estimated Mitigation Action Completion Date:	Annual

Action 2.1.1 Progress Report

Progress Report Period: January 2010 to June 2013

Project Title: Earthquake Month Public Education Program

Project ID# 2.1.1

Responsible Agency: County of Napa OES

Address: 1195 Third Street

City: Napa, CA 94574

Contact Person: Kevin C. Twohey, OES Coordinator

Phone#: 707-299-1892

email address: Kevin.twohey@countyofnapa.org

List Supporting Agencies and Contacts: City Of Napa B/C Steve Brassfield (707) 257-9576, Napa County Office of Education Jim Tomlinson (707) 480-8750, City of American Canyon Fire Chief Glen Weeks (707) 551-0651, City of Calistoga Fire Chief Steve Campbell (707) 889-2783, City of St. Helena Police Chief Jackie Rubin (707) 967-2855

Total Project Cost: \$10,000

Funding Source: Grants/Annual Budget

Anticipated Cost Overrun/Underrun: \$0

Date of Project Approval: Jan 2010 Start date of the project: Jan 2010

Anticipated completion date: Annual program

Description of the Project (include a description of each phase, if applicable, and the time frame for completing each phase): Begin planning meetings in June each year with staff to complete training on date selected by State in October. Have agencies register on The Great Shakeout website as participant. Utilize materials and plans developed by Shakeout organization for Public agencies and school districts to implement and execute education materials and actual drill . Complete an After Action Review and identify 'gaps' by November and complete follow up on gap items by January.

Milestones	Completed (✓)	Projected Date of Completion
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Announce October as Earthquake Month at Operational Area meeting Encourage registration on Great Shake Out website Contact Non Profits and encourage participation	X	Annually In May
Request planning updates/progress report from partners at Op Area Meeting Re contact Non Profits and report on registration/planned participation	X	Annually in August
Distribute Earthquake kits at Public Events		Oct 2013
Participate in Statewide Drill		Oct 2013

MHMP Goal Addressed: Yes

Indicator of Success: Actual number of jurisdictions, non profits and employees that participate each year. Number of people that received earthquake kits.

A. What was accomplished during this reporting period?

Participation in each of the last 3 years in the Great Shake Out/Earthquake Awareness Month

B. What successes have you encountered, if any?

Increased employee & student education on Earthquake safety

C. What obstacles, problems, or delays have you encountered, if any?

Participation from all five Public Jurisdictions, non profits and all schools

D. How was each problem resolved?

Continued communication on success of program based on past participation

E. Based on the past experiences (successes and obstacles), what changes, if any, need to be made to ensure completion?

n/a

Next Steps: What are the next step(s) to be accomplished over the next reporting period?

Encourage participation by each of the five jurisdictions, school districts and non profit groups
Have NCOE require all schools in the County to participate in the education and drill
Utilize PIO's to distribute information of earthquake safety, increase public awareness of Earthquake Month, identify/publish links on public websites, encourage participation by all citizens and highlight human interest stories on participation

Other Comments:

A.2.8 Action 2.1.2

Mitigation Action	
Action 2.1.2: Participate in “The Great Shake Out” Statewide	
Implementing Agencies	
Lead Agency (ies):	Napa County OES
Roles and Responsibilities of Lead Agency (ies):	Coordination
Support Agency (ies):	All Jurisdictions and School Districts
Roles and Responsibilities of Support Agency (ies):	Participate
Preliminary Identified Tasks: Napa County OES	
1- Report at Op Area Meeting on date of Great Shake Out Event	
2- Encourage jurisdictions to participate	
3- Coordinate at bi-monthly Op Area Meeting	
4- Report on final implementation	
Preliminary Identified Tasks: Calistoga	
1- Participate in State-wide Drill	
Preliminary Identified Tasks: Napa Valley College	
1- Conduct annual duck/cover/hold on drill	
2- Conduct annual emergency communications test	
Implementation Costs	
Estimated Capital Costs:	Minimal
Estimated Maintenance Costs:	
Implementation Resources	
Financial Resources (Funding):	General Fund
Technical Assistance Resources:	OES Coordinator
Materials Needed	
(Equipment, Vehicles, and Supplies):	Readily Available (RA)/Need to Purchase (NTP)
Materials Available thru Cal EMA	RA

Implementation Timeframe	
Estimated Mitigation Action Start Date:	October 2013/ On-going for Napa Valley College
Estimated Mitigation Action Completion Date:	Annual

Action 2.1.2 Progress Report

Progress Report Period: Jan 2009 to June 2013

Project Title: Participate in 'The Great Shake Out' Statewide Earthquake Drill Project ID# 2.1.2

Responsible Agency: County of Napa OES

Address: 1195 Third Street

City: Napa, CA 94574

Contact Person: Kevin C. Twohey, OES Coordinator

Phone#: 707-299-1892 email address: Kevin.twohey@countyofnapa.org

List Supporting Agencies and Contacts: City Of Napa B/C Steve Brassfield (707) 257-9576, Napa County Office of Education Jim Tomlinson (707) 480-8750, City of American Canyon Fire Chief Glen Weeks (707) 551-0651, City of Calistoga Fire Chief Steve Campbell (707) 889-2783, City of St. Helena Police Chief Jackie Rubin (707) 967-2855

Total Project Cost: Varies per Agency – Staff Time Costs

Funding Source: Annual Budgets

Anticipated Cost Overrun/Underrun: \$0

Date of Project Approval: Annual Start date of the project: by June each year

Anticipated completion date: December each year

Description of the Project (include a description of each phase, if applicable, and the time frame for completing each phase): Plan is to enlist all Local Government agencies and school districts to participate in the Statewide Earthquake drill scheduled in October each year. Have agencies register on The Great Shakeout website as participant. Begin planning meetings in June each year with staff to complete training on date selected in October. Utilize materials and plans developed by Shakeout organization for Local Government agencies and school districts to implement and execute education materials and actual drill . Complete an After Action Review and identify 'gaps' by November and complete follow up on gap items by January.

Milestones	Completed (✓)	Projected Date of Completion
Register on Great Shake Out website as participant	✓	May 2013
Announce date of annual drill at Operational Area May Meeting	✓	May 2013
Monitor Operational Area Partners registration on website		Sept 2013
Review Operational Area Partners plans/participation at Sept Meeting		Sept 2013
Drill participation		Oct 2013

Review After Action/ Identify Gaps in Plan/Develop Work List		Nov 2013
Complete Work List		Dec 2013

MHMP Goal Addressed: yes

Indicator of Success: Actual number of jurisdictions, students and employees that participate each year.

Project Status

Project on schedule

Project completed

Project delayed*

*explain _____

Project cancelled*

*explain _____

Project Cost Status

Cost unchanged

Cost overrun*

*explain _____

Summary of progress on project for this report:

A. What was accomplished during this reporting period?

Numerous agencies participated in each of the last 3 years

B. What successes have you encountered, if any?

Employee & student education on Earthquake safety has been improved

C. What obstacles, problems, or delays have you encountered, if any?

Getting all Local government agencies and schools to participate. Most that did not participate claim lack of planning time and work/school interruption

D. How was each problem resolved?

Emphasize that participation credits agencies Emergency Action Planning requirements

E. Based on the past experiences (successes and obstacles), what changes, if any, need to be made to ensure completion?

Next Steps: What are the next step(s) to be accomplished over the next reporting period?

Focus on success of agencies participating and utilize PIO officers to highlight all participating agencies efforts

Other Comments:
