

# Watershed Information & Conservation Council of Napa County

## Napa Valley Drought Contingency Plan

February 27, 2020



# What is a Drought Contingency Plan?



# US Bureau of Reclamation's Drought Response Program

Drought Response Program Grants provide proactive approach for non-Federal partners to prepare for and respond to drought

- Drought Contingency Plans (DCP) address
  - How will we recognize the next drought in the early stages?
  - How will drought affect us?
  - How can we protect ourselves from the next drought?
- Drought Resiliency Projects
  - Drought Resiliency is defined as the capacity of a region to cope with and respond to drought
  - Reclamation provides grant assistance for drought resiliency projects identified in a DCP
  - These projects are referred to as "**mitigation actions**" in the DCP



# What is a Drought Contingency Plan?

- Collaborative planning approach to building long-term resiliency to drought
- Requires Task Force of water managers to support plan development
- Must include agricultural, municipal, and environmental perspectives (**stakeholders**) to ensure broad support for mitigation and response actions
- Must include consideration of climate and drought impacts to water supplies as part of building long-term supply resiliency
- Mitigation and Response actions are projects that could compete for implementation funding under US Bureau of Reclamation's WaterSMART Program



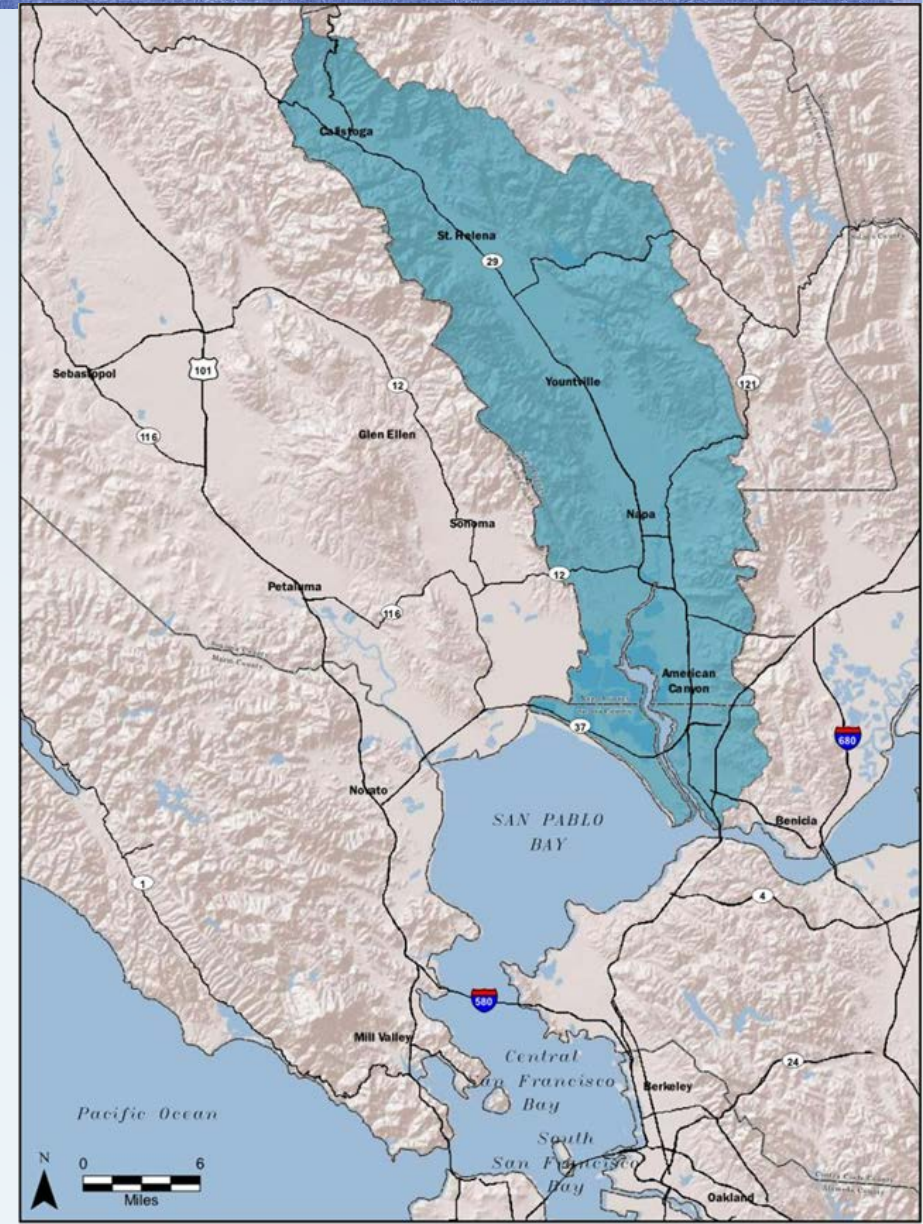
# Study Area, Tasks, and Schedule





# Napa Valley DCP Study Area

- Napa River watershed that drains into the northern edge of San Pablo Bay and includes an area of 430 square miles
- Study area is composed of urban and residential areas, extensive vineyards and agriculture, and diverse environmental habitat
- Water users in the area rely on a mixture of water supplies that include local surface water, imported surface water, groundwater, and recycled water



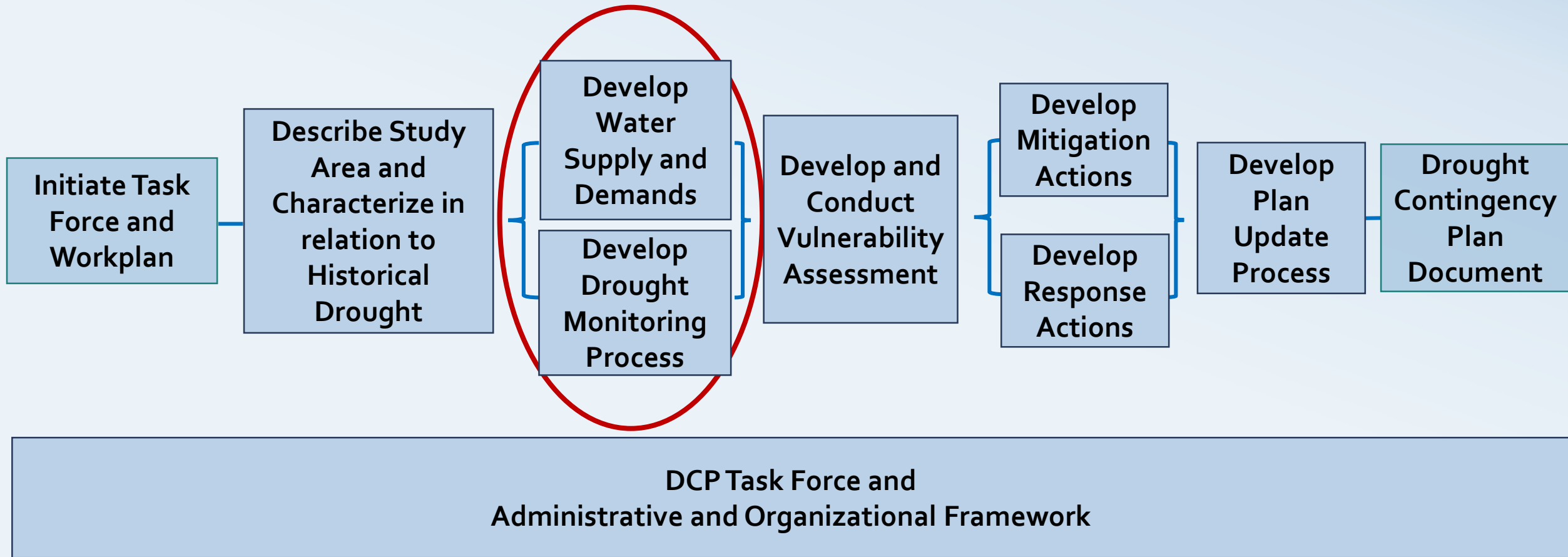
# The Six Required Elements of a DCP

Element	Purpose
<b>Drought Monitoring</b>	<ul style="list-style-type: none"><li>• Establish a <b>process for monitoring</b> water availability, and a <b>framework</b> for predicting the probability of future droughts or confirming an existing drought.</li><li>• The collection, analysis, and dissemination of data to <b>define stages of drought</b>, mitigation and response actions.</li></ul>
<b>Vulnerability Assessment</b>	<ul style="list-style-type: none"><li>• Evaluate and assess the <b>risks and impacts of drought</b> and the contributing factors that could impact critical resources in the Plan area.</li><li>• This supports development of potential mitigation and response actions.</li></ul>
<b>Mitigation Actions</b>	<ul style="list-style-type: none"><li>• Identify, evaluate, and prioritize actions and activities that will build <b>long-term</b> water supply resiliency and mitigate risks.</li></ul>
<b>Response Actions</b>	<ul style="list-style-type: none"><li>• Identify, evaluate, and prioritize actions and activities that can be implemented in a drought and triggered during different stages of drought to provide <b>quick benefits</b>.</li></ul>
<b>Operational and Administrative Framework</b>	<ul style="list-style-type: none"><li>• <b>Determine local responsibility</b> for undertaking the actions necessary to implement the DCP.</li></ul>
<b>Plan Update Process</b>	<ul style="list-style-type: none"><li>• Develop a process and schedule for monitoring, evaluating and updating the Plan.</li></ul>



# Building Blocks of the DCP

## Current Status of DCP Tasks



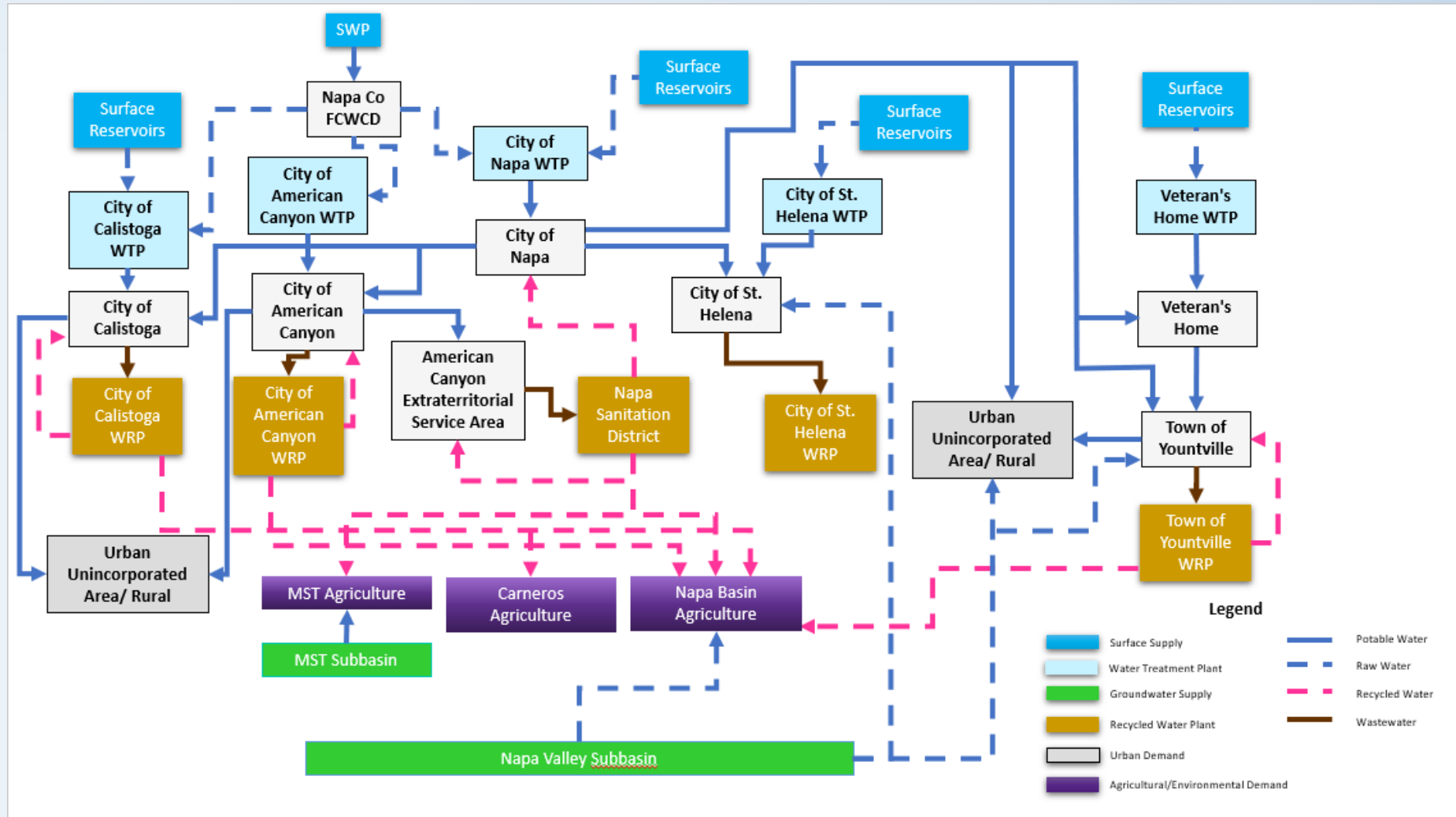




# Supply & Demand Analysis

# The Task Force Partner Agencies are Physically Linked

- Each of the water supply agencies has shared water supplies or linkages
- Understanding the linkages is critical to addressing drought responses





# Understanding the Water Resource Systems

- Water supply and demand data are being compiled to conduct a water supply and demand analysis
- These data will be utilized in the vulnerability assessment to evaluate the risks and impacts of drought in the DCP study area





# Objectives & Measures for Screening Mitigation Actions



# Develop Objectives for Evaluating Mitigation Actions

## Why develop objectives?

- Gain stakeholder acceptance and increase “implementability” of proposed projects
- Need to recognize and address externalities and impacts on others
- Often there are social goals (e.g., maintain agricultural culture)
- Satisfy the objectives of funding programs from the State or Federal government
- Incorporate separate goals and objectives of the DCP partners







# Administrative and Organizational Framework

# Administrative and Organizational Framework

## Purpose

*Identify who is responsible for implementing the Plan and/or individual elements of the DCP*





# Local Task Force Partner Considerations

## Who owns the Implementation Roles and Responsibilities?

- Tasked with implementing Mitigation Measures, Response Actions, updating the DCP, and communicating with the public
- Are there efficiencies of a single management entity?
- Partner on drought mitigation projects, actions, and manage water beyond established service areas?
- Who secures and manages financial assistance for project grants and or/ financing?



# Stakeholder Engagement

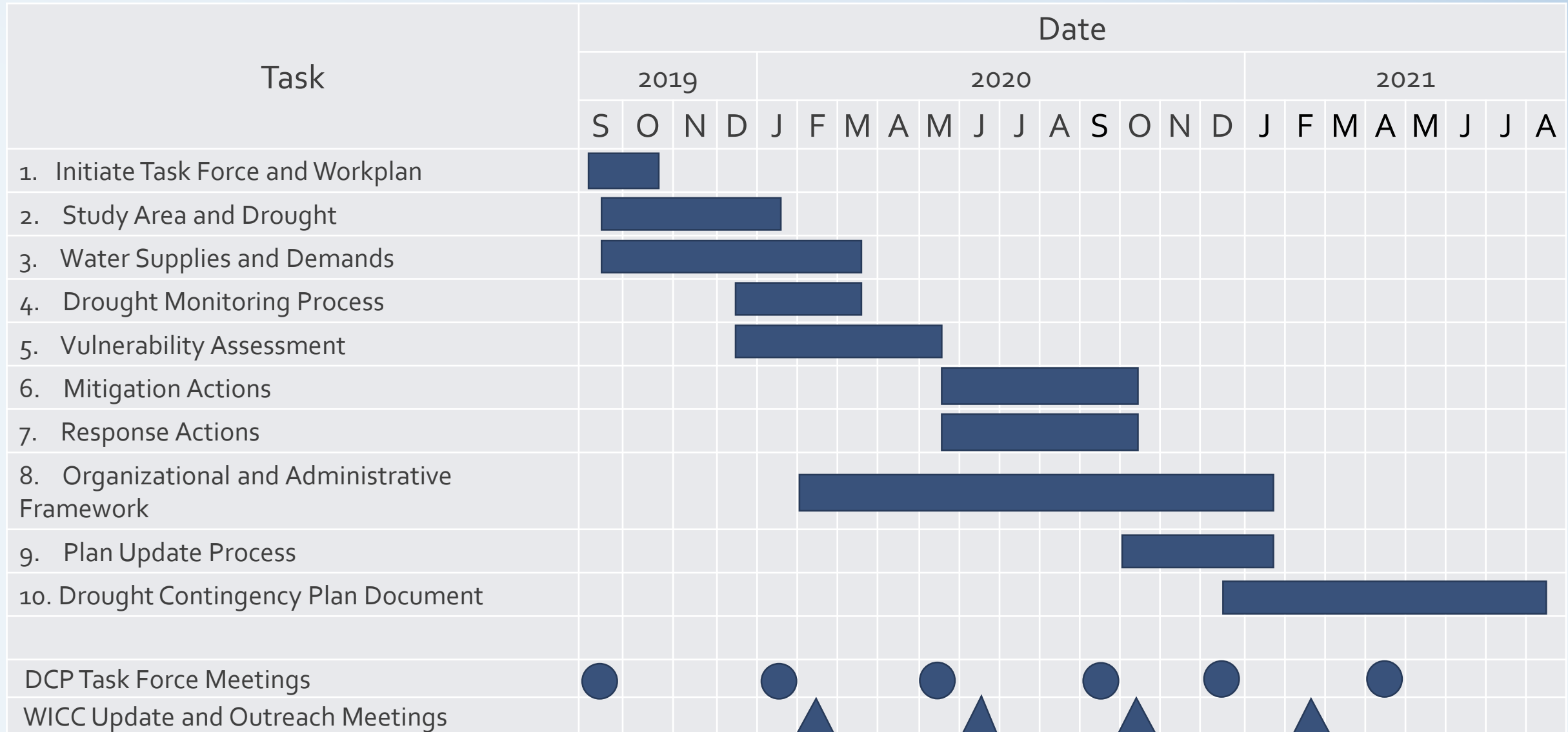


# Stakeholder Engagement

- Napa Valley DCP web site to be launched shortly at  
[www.napawatersheds.org/dcp](http://www.napawatersheds.org/dcp)
- Task Force representative will provide DCP Updates at WICC Meetings
  - February 27, 2020
  - June 25, 2020
  - October 22, 2020
  - 2021 TBD
- Email Updates
- Other Stakeholder/Public Outreach Meetings as needed



# DCP Schedule







# Questions or Comments