

Watershed Information and Conservation Council of Napa County

Napa Valley Drought Contingency Plan Update #3

October 22, 2020

Review: What is a Drought Contingency Plan (DCP)?



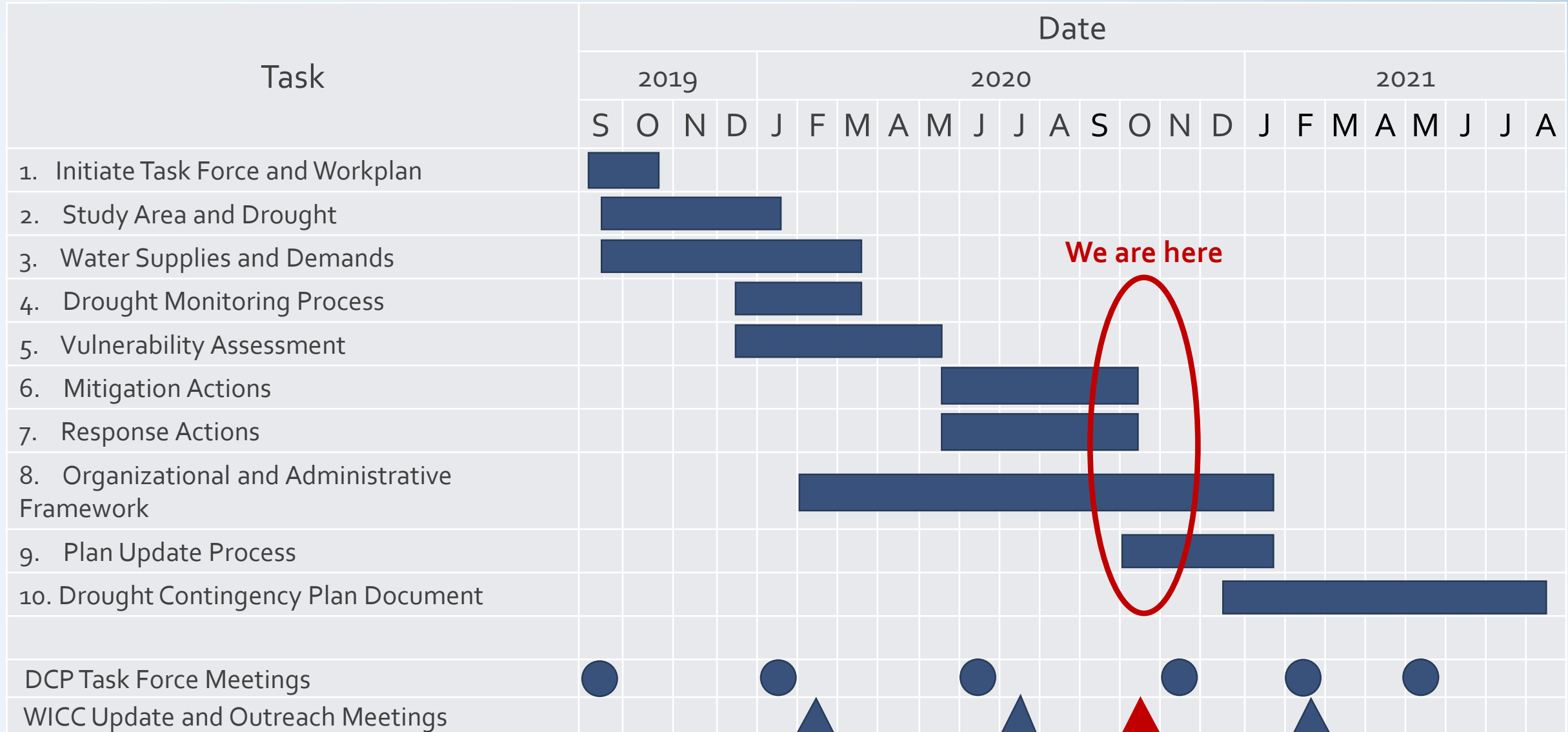
Drought Contingency Plan

- Drought Contingency Plans (DCPs) address
 - How will we recognize the next drought in early stages?
 - How will drought affect us?
 - How can we protect ourselves from the next drought?
- Drought Resiliency Projects
 - These projects are referred to as "mitigation actions" in the DCP
 - Are implemented to mitigate effects of drought



— BUREAU OF —
RECLAMATION

DCP Schedule





Ongoing Activities: Mitigation and Response Actions

Review: What are Drought Mitigation & Response Actions?

Drought Mitigation Actions

- Programs and strategies implemented during non-drought period
- Address water supply vulnerabilities specific to this region
- Reduce the need for drought response activities during drought

Drought Response Actions

- Near-term actions, triggered during specific stages of drought, to manage limited supply and decrease severity of immediate impacts
- Response actions can be quickly implemented and provide expeditious benefits

Priorities from DCP Task Force

- Projects and actions that deliver real results
- Recommendations that are implementation driven
- Review and make recommendations on how to better utilize/manage existing facilities and supply
- Look at expanding applications for NapaSan winter water and explore potential of advanced purification efforts
- Develop a common platform for understanding surface supply water and groundwater interface, how this relates to State Water Project, and use this information for both DCP and regional educational purposes

Mitigation and Response Actions – Progress to Date

- Developed and discussed Preliminary Mitigation and Response Actions list
- **Intent: Identify Mitigation and Response Actions that:**
 - Build long term resiliency to drought
 - Mitigate risks posed by drought
 - Decrease regional vulnerabilities
 - Reduce need for response actions
- Mitigation and Response Actions are sorted into five drought mitigation project “categories”

Project/Action “Categories”

Groundwater Management

- Projects that focus on aquifer storage, aquifer recovery, and groundwater basin recharge

Conveyance

- Projects that look to expand existing distribution systems such as to augment current use of recycled water

Storage

- Projects providing storage of existing or potential new water supplies to provide for drought resiliency through storage for future use

Treatment

- Projects that look to expand and or upgrade existing treatment facilities

Operations

- Projects that provide for infrastructure improvements necessary to improve operational efficiency and flexibility

Next Steps for Mitigation and Response Actions

- Task Force has identified drought mitigation measures that are at various stages ranging from concept level to construction/implementation
- Finalize the project list and begin evaluation process to prioritize:
 - Drought Mitigation Projects
 - Drought Response Actions



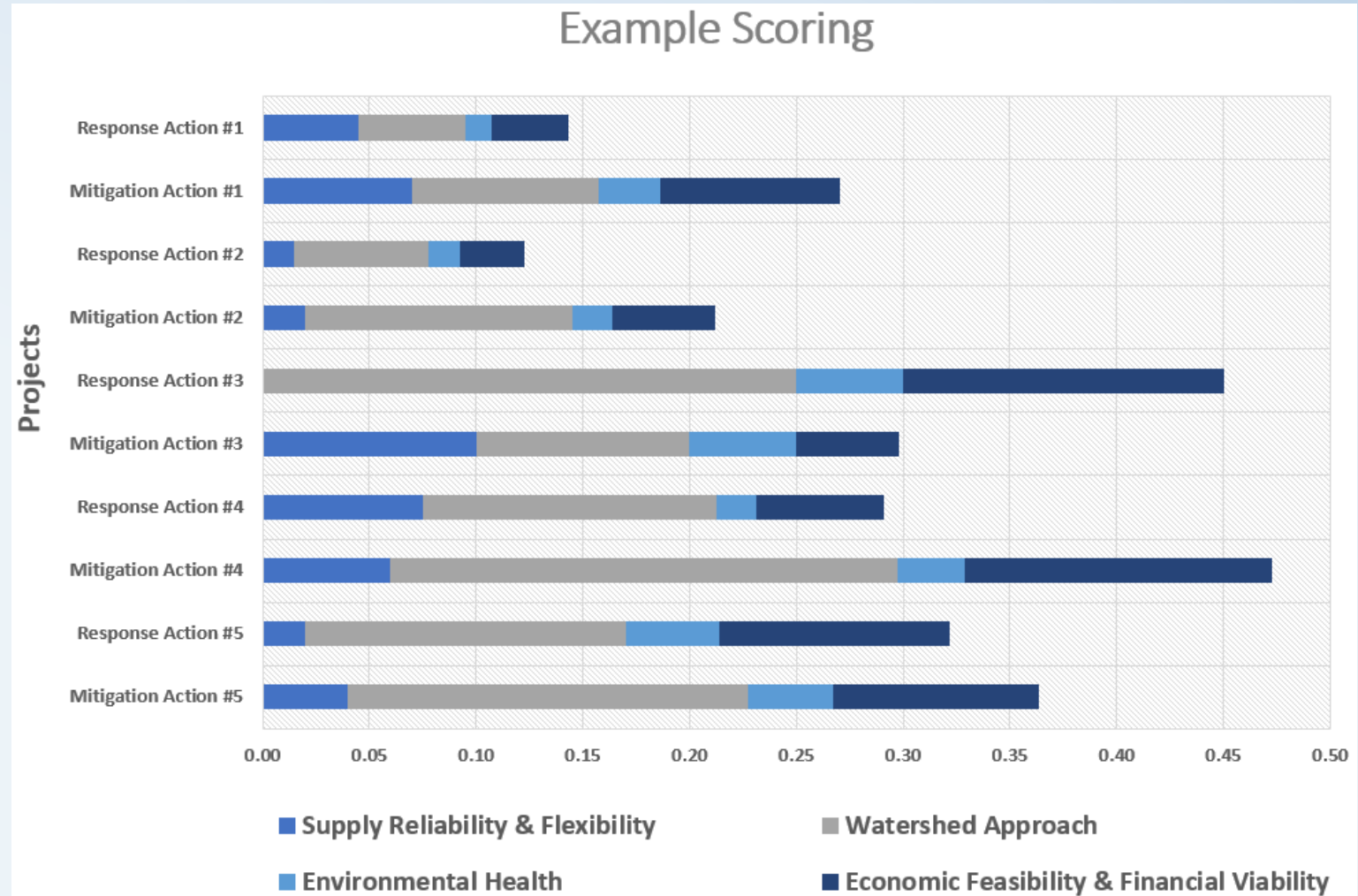
Evaluation and Prioritization

Weighted Goals and Objectives will be used to score/evaluate potential Mitigation and Response actions

Napa Valley DCP Task Force Goals	Napa Valley DCP Objectives
Supply Reliability & Flexibility	<ul style="list-style-type: none">• Improve local, regional, and State Water supply reliability• Improve reliance for non-drought disasters (i.e., fires, earthquakes, etc.)• Reduce dependence on the State Water Project in dry years
Watershed Approach	<ul style="list-style-type: none">• Interface with Groundwater Sustainability Agencies to help support ongoing groundwater basin management• Alignment with the State's Water Resilience Portfolio principles• Enhance water use efficiency and conservation in the Napa Valley• Enhance climate change adaptation and mitigation
Environmental Enhancement	<ul style="list-style-type: none">• Maintain and protect public health and safety• Enhance local and regional ecosystems
Economic Feasibility & Financial Viability	<ul style="list-style-type: none">• Cost effectiveness (\$/acre-foot)• Ease of implementation/readiness to proceed

Example: Scoring of Mitigation and Response Actions

- Goals and Objectives will be used to score/evaluate potential Mitigation and Response actions
- Process shows how a project performs against Goals and Objectives





Ongoing Activities: Administrative and Organizational Framework

Administrative and Organizational Framework

Review:

- Identify who is responsible for future implementation of the DCP

November Task Force Meeting:

- Options will be presented for discussion on how the Framework can support implementation of the DCP

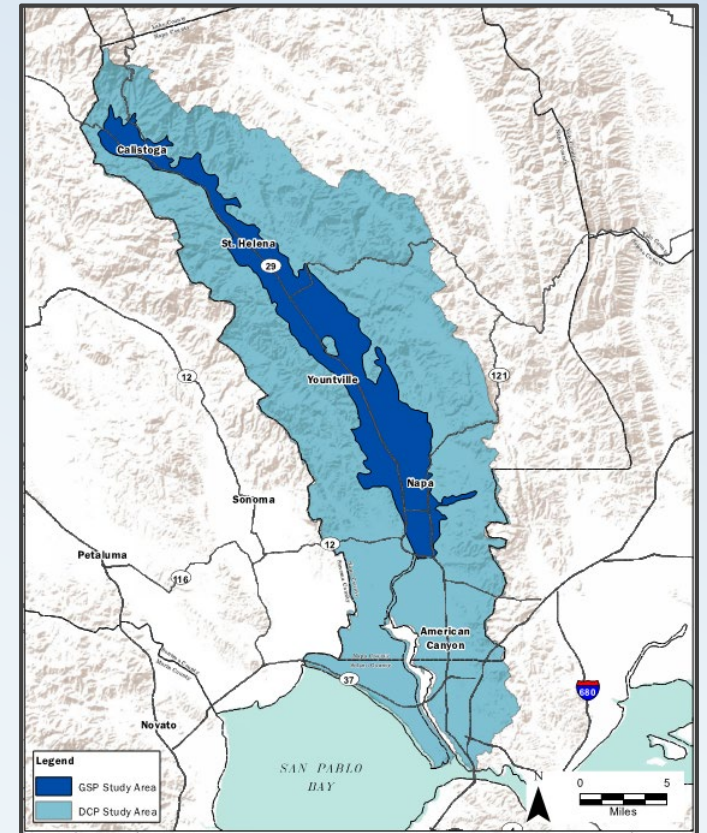




Information Updates and Next Steps

Update on DCP and GSP Interface

- The DCP will be completed prior to completion of the Groundwater Sustainability Plan (GSP). Initial discussions with the GSP consulting team indicate that DCP information will be integrated into that study as appropriate.
- There could also be future implementation partnerships resulting from the GSP.
- Several DCP Task Force members are represented on the GSP Advisory Committee (GSPAC).



Stakeholder Updates

- Napa Valley DCP web site for information and input is:
www.napawatersheds.org/dcp
- Next DCP Stakeholder update tentatively scheduled for:
 - February 2021





Questions or Comments