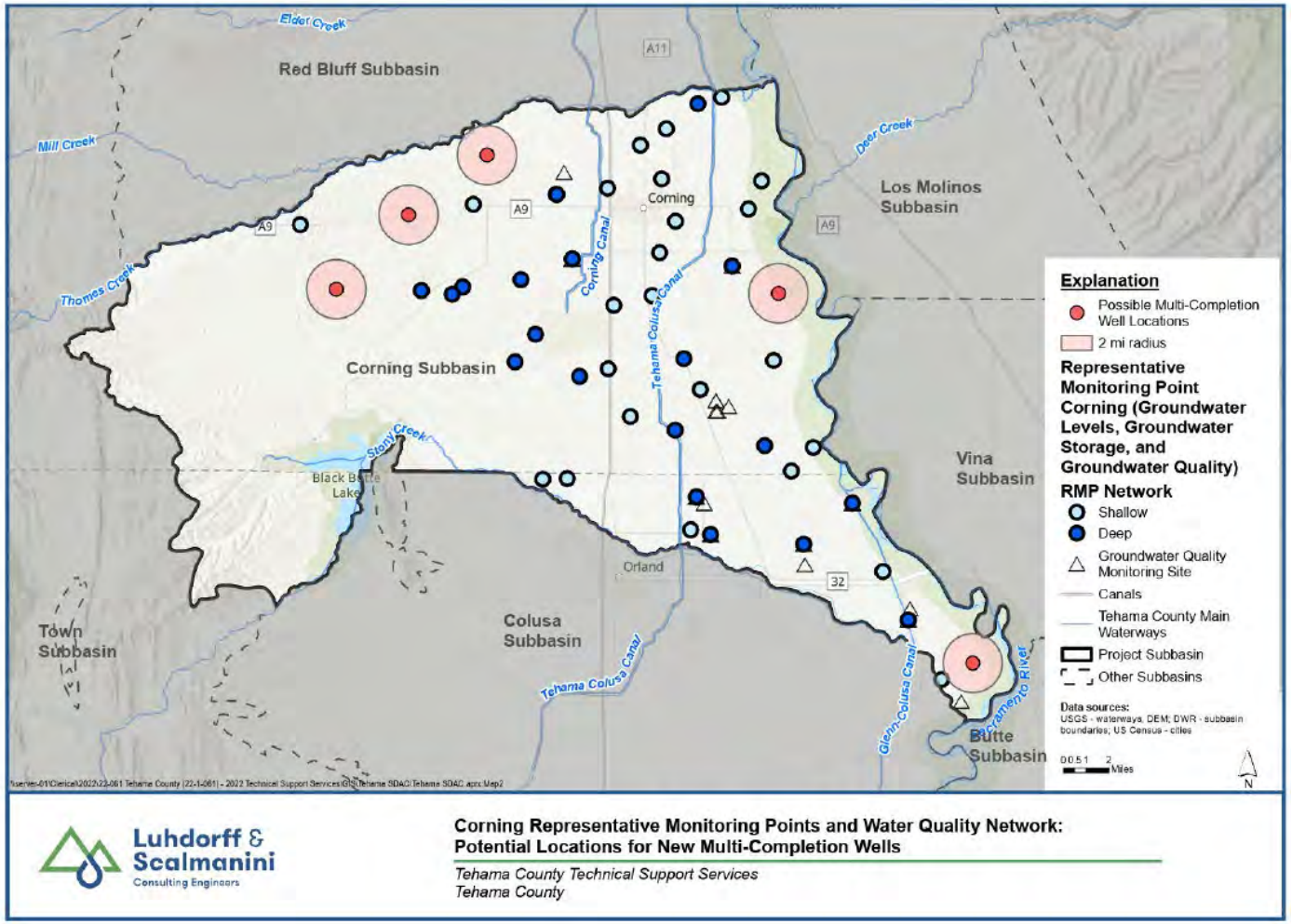
Corning Enhancements to Monitoring Networks to Fill Data Gaps (Component 2)

- Expand groundwater level monitoring network to cover localized spatial data gaps
- Expand groundwater quality network to include domestic wells
- Videolog wells within monitoring network without construction information
- Perform aquifer tests
- Expand geologic understanding with AEM data and geophysical surveys
- Create well permitting and land use policy updates



Corning Enhancements to Monitoring Networks to Fill Data Gaps (Component 2)

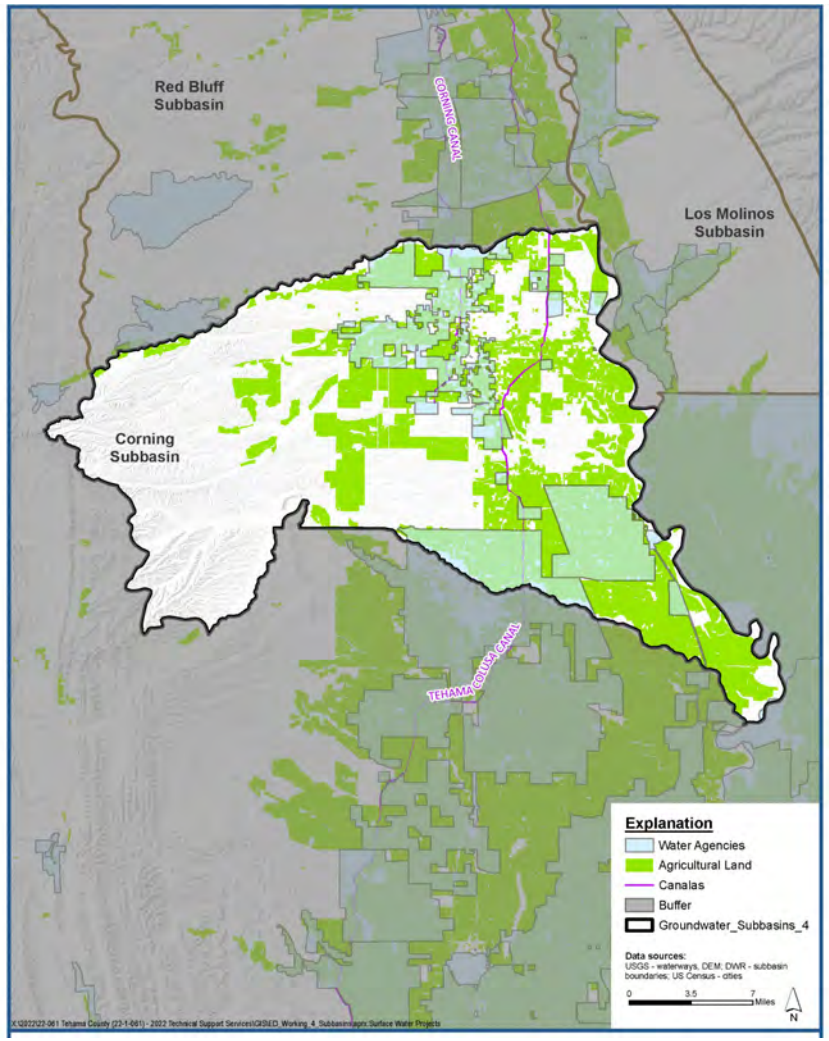
- **Budget**
  - Installation of multi-completion wells - $1.2 Million
  - Install SW/GW monitoring equipment- $450K
  - Synoptic Stream Gaging - $125K
  - Conduct Biological Survey- $110K
  - Develop Community Domestic Monitoring Program – $210K
  - Groundwater monitoring network enhancements – $260K
  - Expand groundwater quality network - $315K
  - Videolog wells with unknown construction - $150K
  - Perform aquifer tests - $275K
  - Expand geologic understanding with AEM - $135K
  - Well permitting and ordinance update - $225K
  - Grant Administration – 10%

Total: $3,531,000

- **Schedule**
  - Complete all enhancements – Start October 2022 Finish by April 2026

Regional Conjunctive Use Project (Component 3)

- **Background/Summary**
  - Groundwater is preferred to surface water for irrigation
    - Cheaper
    - Arrives pressurized
  - Current surface water allocations are not fully used
  - This project would aim to:
    - Create incentive program for use of surface water
    - Upgrade water districts conveyance systems to deliver pressurized water
    - Upgrade irrigation systems for dual source irrigation



Regional Conjunctive Use Project (Component 3)

- **Key Tasks**
  - Planning and design
    - Identify WD willing to be part of project
    - Identify upgrades needed
    - Create incentive program
    - Create 100% design plans
    - Complete all permits and environmental compliance documentation
  - Construction
    - Install conveyance system upgrades
    - Install dual source irrigation systems
  - Outreach
    - Establish coordination with growers willing to participate
  - Monitoring
    - Monitor the amount of surface water used in-lieu of groundwater

Regional Conjunctive Use Project (Component 3)

- **Budget**
  - Planning and design - $225K
  - Construction - $915K
  - Outreach - $30K
  - Monitoring - $45K

Total: $1,336,500

- **Schedule**
  - Planning and design – Start October 2022 Finish by April 2026
  - Construction – Start October 2022 Finish by April 2026
  - Outreach – Start October 2022 Finish by April 2026
  - Monitoring – Start October 2022 Finish by April 2026

Corning Recharge Projects (Component 4)

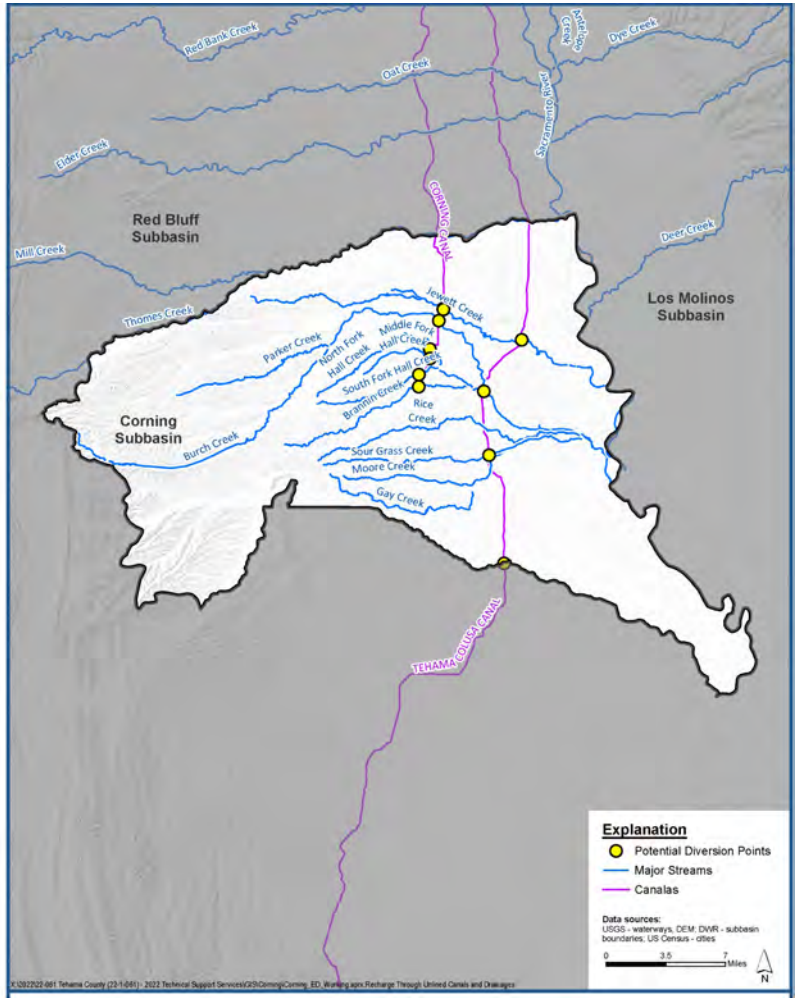
Background/Summary

Corning Subbasin is interested in pursuing five different recharge related projects:

- Recharge through unlined canals and drainages
  - Direct recharge through unlined canals during high flow periods. Water is diverted from Sacramento River in the off season.
- Groundwater recharge pond south of corning
  - Use the current USBR runoff and stormwater pond for holding water for irrigation (in-lieu) or direct recharge
- Multi-Benefit recharge project
  - Create an incentive program for farmers to maintain flooded fields to proved direct recharge and migratory bird habitat
- California Olive Ranch groundwater recharge
  - Divert water from the Tehama-Colusa Canal via existing irrigation canals for direct recharge
- Thomes Creek flood water diversions for recharge
  - Divert flood flows from Thomes Creek to be used for irrigation purposes

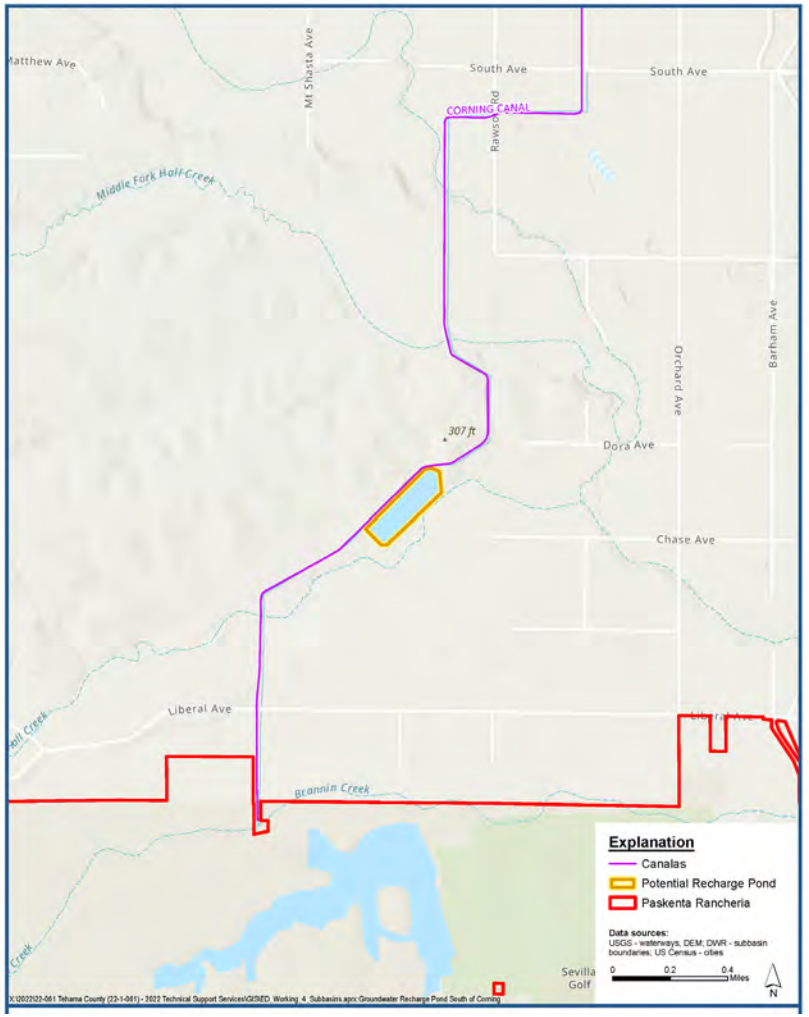
Corning Recharge Projects (Component 4)

- **Key Tasks**
  - Recharge through unlined canals and drainages
    - Conduct feasibility study, planning, and preliminary design activities associated with necessary infrastructure installation
    - Identify necessary CVPIA legislature updates required for this project.
    - Develop planning and design documents for conveying water to recharge areas
    - Acquire environmental permits and completion of CEQA-NEPA documentation.
    - Complete 100% design documents



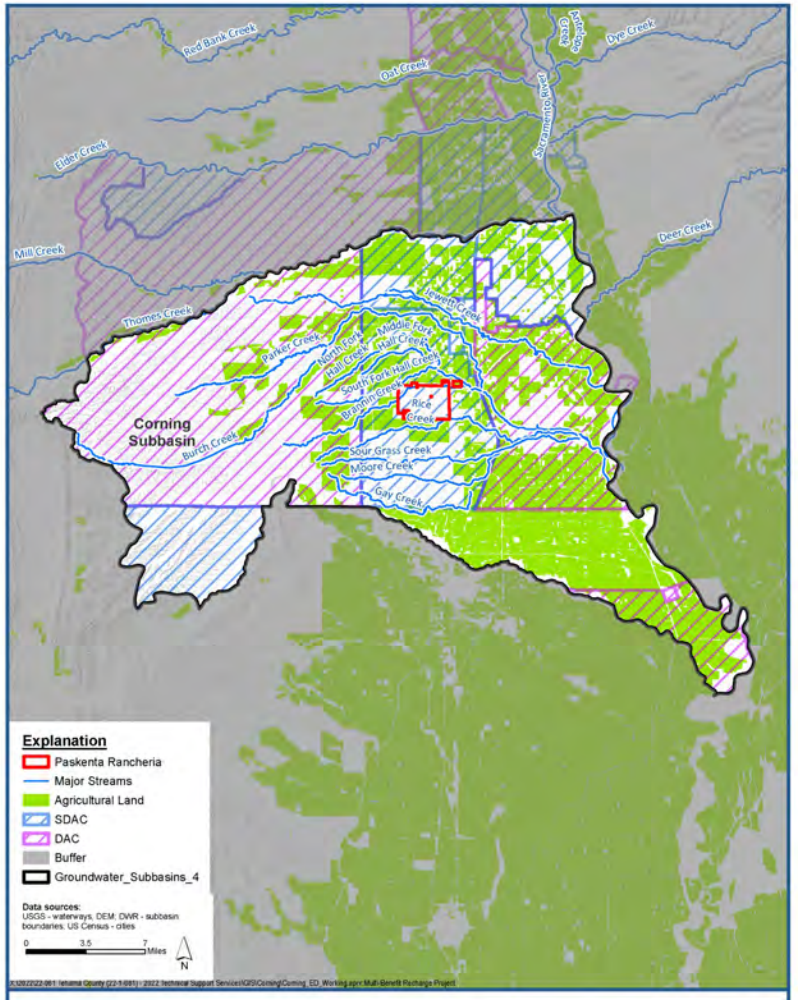
Corning Recharge Projects (Component 4)

- **Key Tasks**
  - Groundwater recharge pond south of Corning
    - Conduct planning and design activities associated with the use of the USBR storm control pond.
    - Develop planning and design documents necessary to update the existing pond.
    - Work with USBR to assess the feasibility and capacity of the existing pond as storage for in-lieu recharge.
    - Environmental permits and completion of CEQA documentation.
    - Acquire necessary access agreements required for GSA use of the pond.
    - Prepare final implementation report.



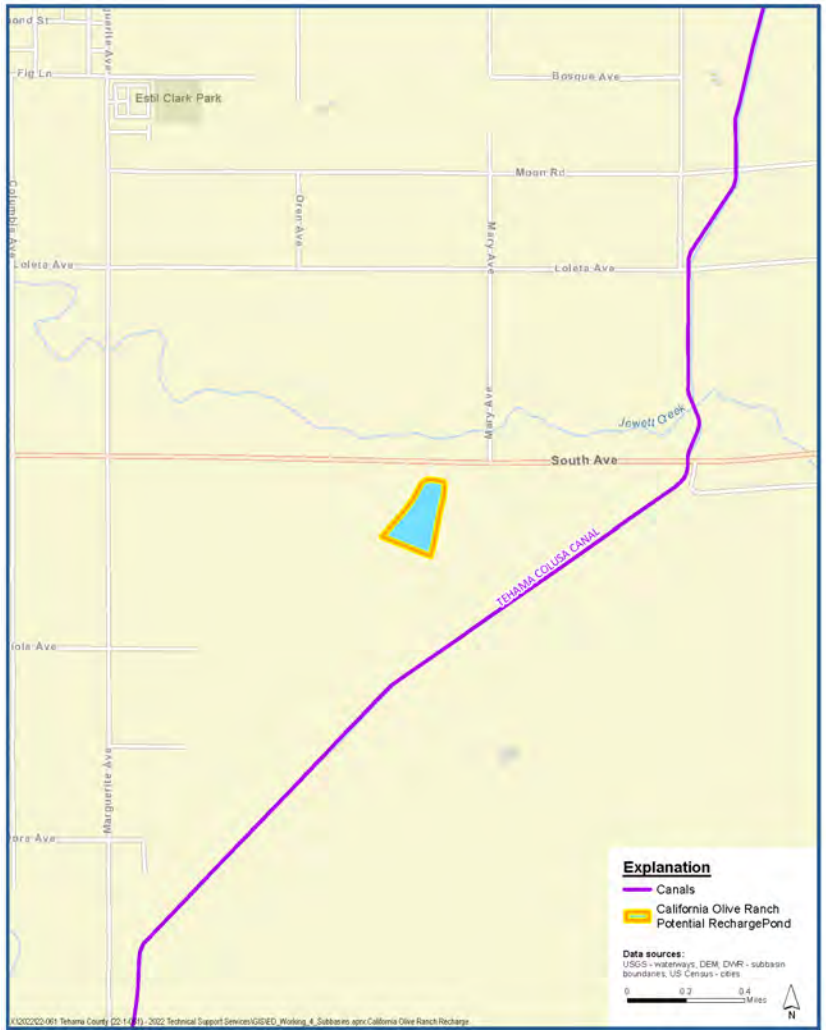
Corning Recharge Projects (Component 4)

- **Key Tasks**
  - Multi-Benefit recharge project
    - Conduct feasibility study, planning, and design to identify potential sites for recharge
    - Coordinate with growers willing to participate in this project.
    - Develop planning and design documents necessary for site preparation to enhance recharge potential and wetland habitat and conveyance system upgrades.
    - Install necessary conveyance infrastructure updates based on a technical assessment .
    - Prepare selected fields for flooding and install any necessary monitoring equipment.



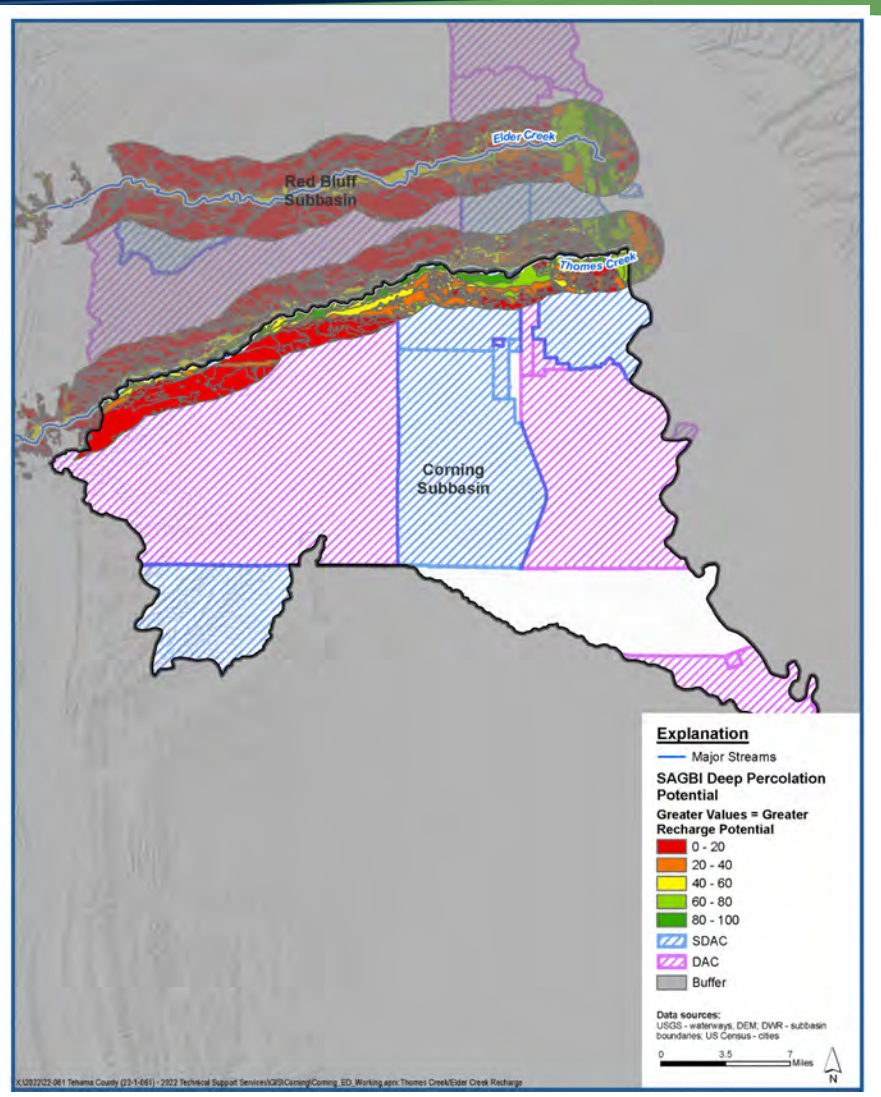
Corning Recharge Projects (Component 4)

- **Key Tasks**
  - California Olive Ranch groundwater recharge
    - Conduct planning and design activities associated with installation of necessary infrastructure
    - Develop planning and design documents
    - Work with the California Olive Ranch to assess the feasibility and capacity of the recharge project for in-lieu recharge
    - Acquire necessary permits and access agreements required for GSA monitoring of infiltration.
    - Prepare final implementation report.



Corning Recharge Projects (Component 4)

- **Key Tasks**
  - Thomes Creek flood water diversions for recharge
    - Conduct feasibility study, planning, and design activities
    - Develop planning and design documents Complete permitting and environmental/CEQA documentation
    - Install necessary recharge infrastructure, which may be ASR wells, recharge basins, detention structures, or fallowed fields.



Corning Recharge Projects (Component 4)

- **Budget**
  - Recharge through unlined canals and drainages - $200K
  - Groundwater recharge pond south of corning - $150K
  - Multi-Benefit recharge project - $430K
  - California Olive Ranch groundwater recharge - $230K
  - Thomes Creek flood water diversions for recharge - $480K

Total: $1,638,450

- **Timeline**
  - Recharge through unlined canals and drainages – Start October 2022 Finish by April 2026
  - Groundwater recharge pond south of corning – Start October 2022 Finish by April 2026
  - Multi-Benefit recharge project – Start October 2022 Finish by April 2026
  - California Olive Ranch groundwater recharge – Start October 2022 Finish by April 2026
  - Thomes Creek flood water diversions for recharge – Start October 2022 Finish by April 2026

Corning Components

- **Components**
  - Component 1 - $968,000
  - Component 2 - $3,531,000
  - Component 3 - $1,336,500
  - Component 4 - $1,638,450
  - Total - $7,605,950

- **Ranking**
  - Give each component score 1-4 from highest priority to least