

Trinity River Small Group

Overview and Discussion of the Sites Project's
Trinity River Effects

March 22, 2021



Agenda

1. Introductions
2. Group Norms
3. Brief Overview of Project Description and Water Rights Approach
4. Trinity River CalSim Modeling Approach
5. Water Right Approach and Possible Water Right Term
6. Additional Topics from the Group
7. Action Items and Next Steps

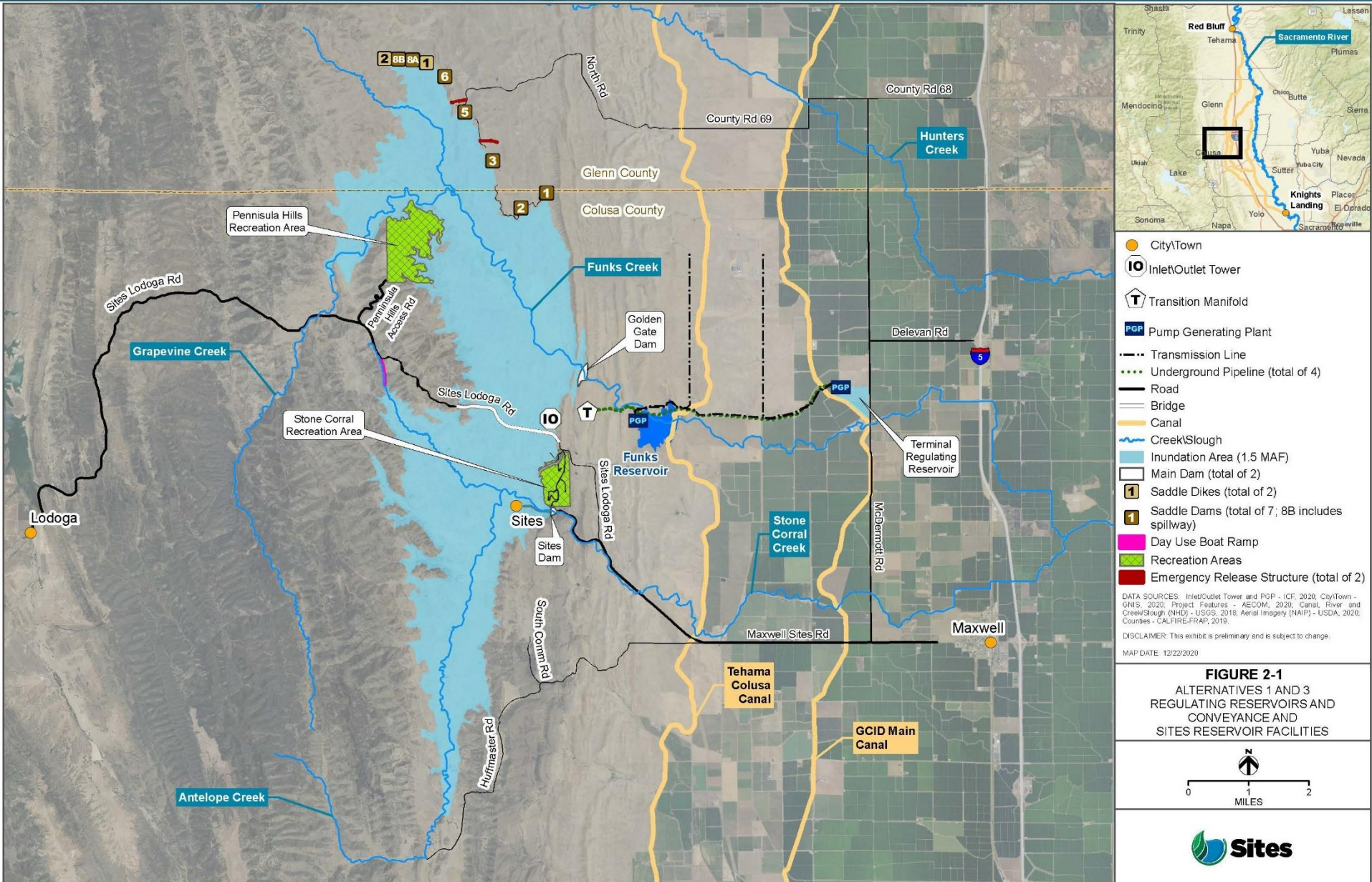
Group Norms

- Encourage everyone to be on video
- Mute yourself when others are speaking
- Respectful, professional dialogue
- Ask questions throughout, lets have a dialogue
 - Let the speaker finish their point
 - Use the raise your hand function in Teams if needed
- Focus is on the Sites Project

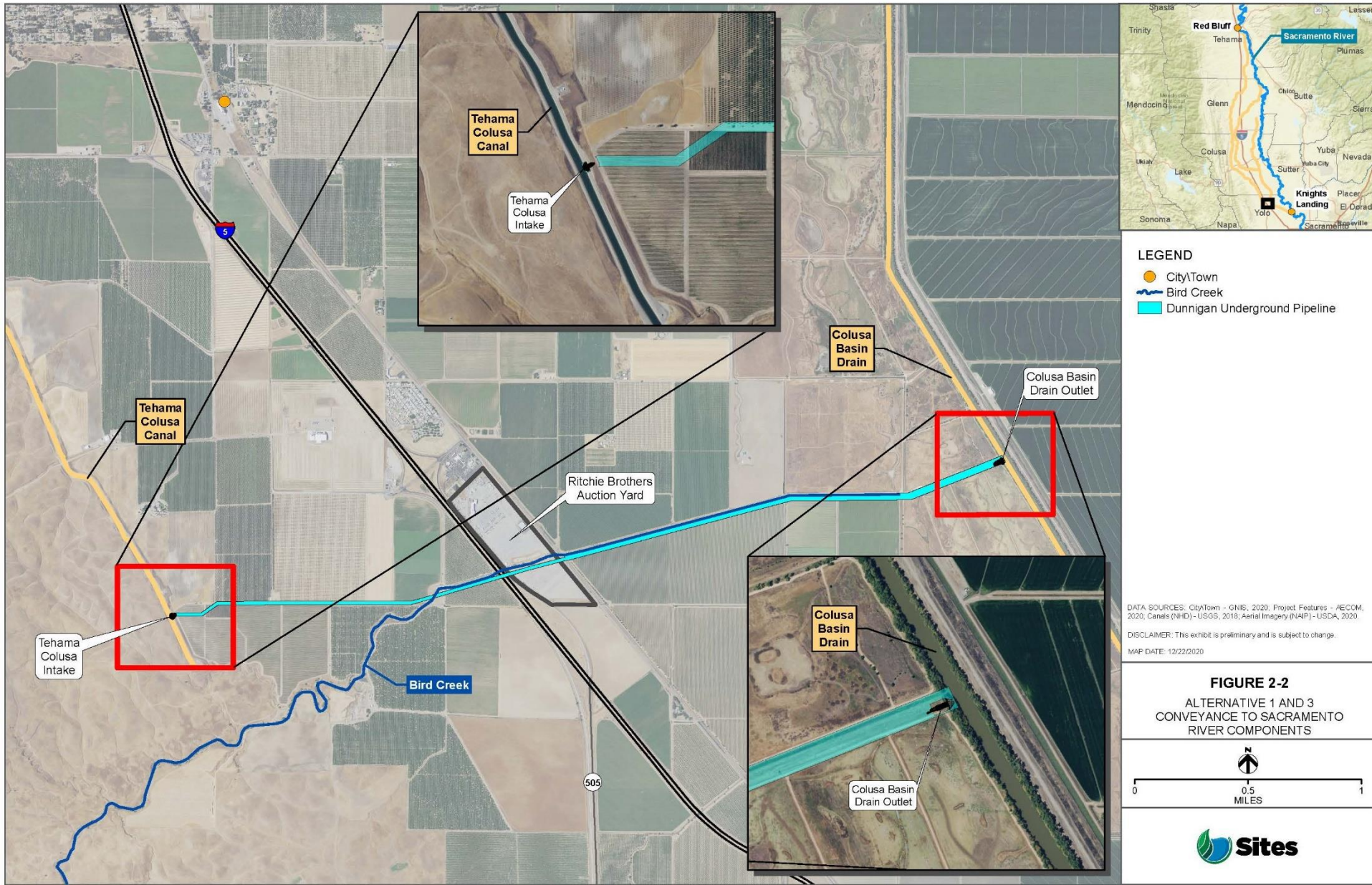
Alt 1 – Authority’s Preferred Project

Facilities / Operations	Alternative 1
Reservoir Size	1.5 MAF
Diversion(s)	Diversion from Sacramento River into existing TC Canal at Red Bluff and the existing GCID Main Canal at Hamilton City
Conveyance Release / Dunnigan Release	Release 1,000 cfs into new pipeline to the Colusa Basin Drain
Releases into Funks and Stone Corral Creeks	Specific flow criteria to maintain flows to protect downstream water right holders and ecological function
Reclamation Involvement	<ul style="list-style-type: none"> • Funding Partner up to 7% Cost-Share • Operational exchanges
DWR Involvement	Operational Exchanges with Oroville and use of SWP facilities South-of-Delta
Hydropower	Incidental power generation up to 40 megawatts each at Funks PGP and TRR PGP

Alt 1 – Preferred Project



Alt 1 – Preferred Project



Water Right Approach

- Sources:
 - Sacramento River
 - Stone Corral Creek
 - Funks Creek
- Points of diversion:
 - Tehama-Colusa Canal (existing, screened facility)
 - Glenn-Colusa Irrigation District's Main Canal (existing, screened facility)
 - Sites Dam
 - Golden Gate Dam
- Seeking to appropriate unregulated flows that come into the Sacramento River below Keswick

Water Right Approach

- Sites seeking to divert Sacramento River flows when all of the following conditions are met:
 - Flow exceed minimum diversion criteria
 - Delta is in “excess” conditions
 - Senior downstream water rights and other more senior flow priorities have been satisfied
 - Flow are available above those needed to meet all applicable laws, regulations, BiOps and court orders in place at the time of diversion
- Sites would operate within all applicable laws, regulations, biological opinions and incidental take permits, and court orders in place at the time
- Sites is not applying for a water right to divert or redivert Trinity River water

Modeling Approach

- Calsim II used for overall operations of Sites
 - Hydrological planning tool used to represent state-wide changes that would result from Sites
 - Monthly timestep
 - Results are comparisons, not absolute values
- Updates made to Sites Calsim model – baseline now contains actions within:
 - 2019 Reinitiation of Consultation on the CVP and SWP
 - 2020 SWP Incidental Take Permit

Trinity River CalSim Modeling Approach

- Modelled No Action Alternative
 - Includes:
 - Trinity ROD Flows
 - Lower Klamath Augmentation Flows
- Held Trinity River operations consistent with No Action Alternative when modelled the Project alternatives
- Reclamation has same obligations and operating principles in operating the Trinity River with and without Sites
- Sites is not limiting, constraining, changing, or affecting Reclamation's obligations in their Trinity River operations

Water Right Approach and Possible Term

- Developing water right terms:
 - Implementable and under the control of the Sites Authority
 - Measurable, identifiable, reportable
 - Addresses the issue at hand
- Open to a term, but we believe that it should meet the criteria above

Water Right Approach and Possible Term

- What are the key factors that the group is concerned about?
- How might we put those into a water right term?
- Could we address in a different way? For example, through a statement from Sites Board

Additional Topics from the Group

- Any additional questions or thoughts?

Action Items and Next Steps

Thank you!



Proposed Water Right Term from Humboldt County

Trinity River water shall not be used to fill Sites Reservoir unless the Trinity River Division of the Central Valley Project is releasing water as a result of storage conditions requiring “Safety of Dams” releases beyond normal operating plans and concurrently when Shasta Reservoir is making flood control releases. Furthermore, Humboldt County’s 1959 water contract with the Bureau of Reclamation, Trinity River Record of Decision (ROD) flows, and releases to implement the Bureau of Reclamation’s Long-Term Plan to Protect Adult Salmon in the Lower Klamath River shall not be reduced or negatively impacted in any way as a result of any Sites Reservoir decisions, modeling, operational plans, and water right petitions.