

WATER STORAGE INVESTMENT PROGRAM CHINO BASIN PROGRAM DRAFT CAPB

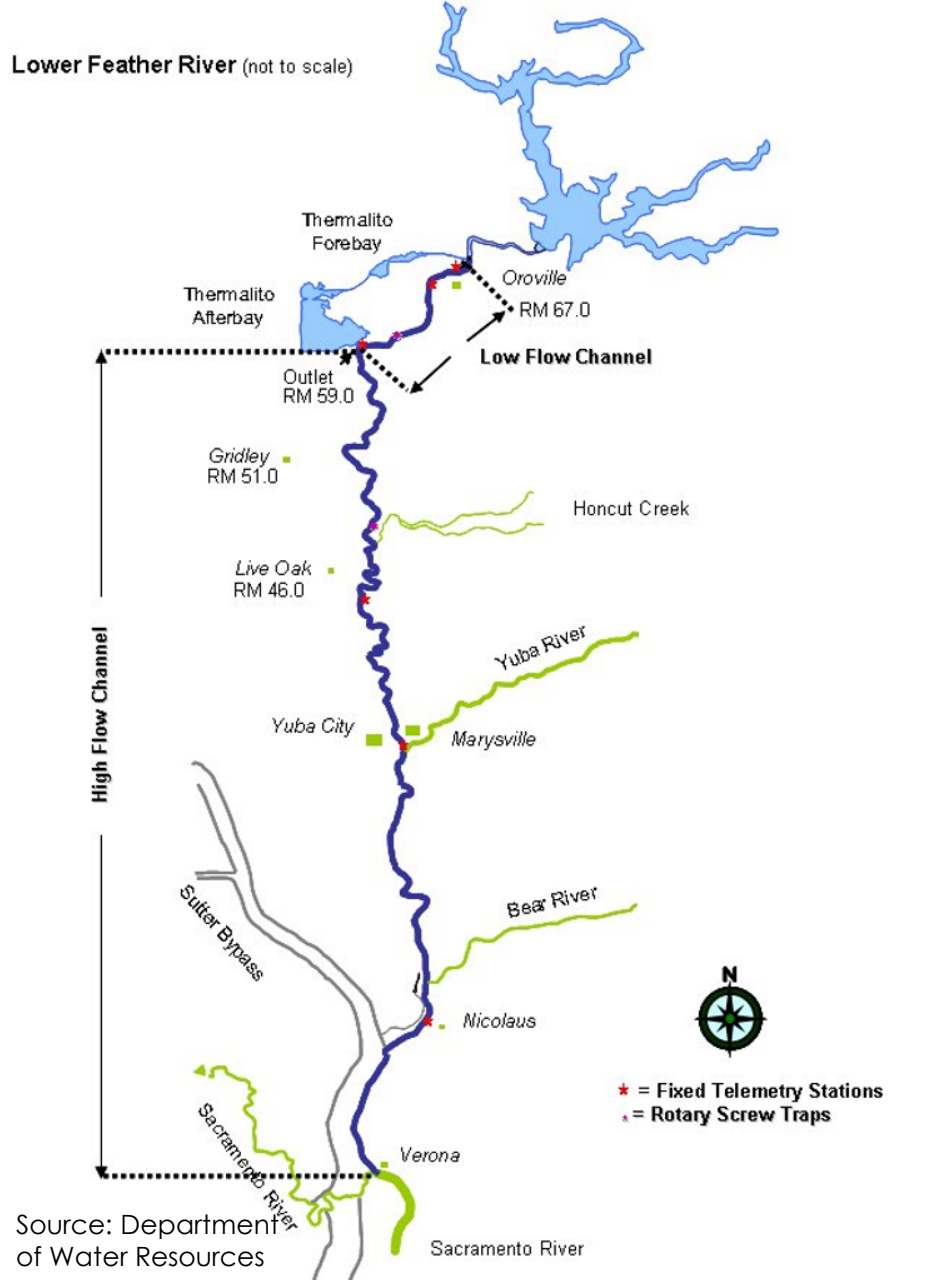


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CHINO BASIN PROGRAM ECOSYSTEM BENEFIT

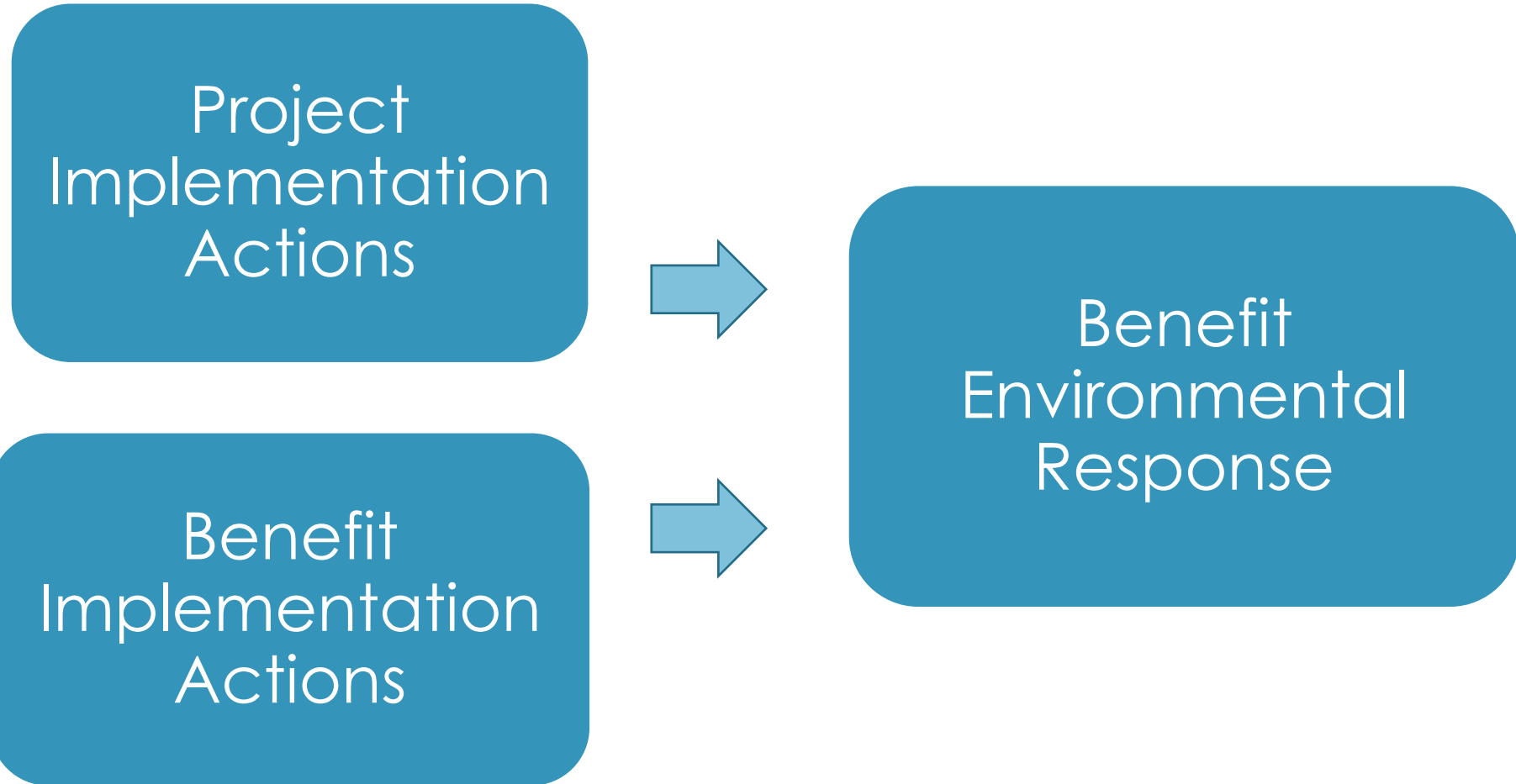
- The Program will provide up to 50 thousand acre-feet (TAF) of water from March to June in drier years dedicated to pulse flows in the Feather River to improve conditions for spring-run Chinook salmon through the Delta
- Term of Contract is 30 years and includes 5 years of construction and groundwater recharge
- Ecosystem benefit has not changed from the 2017 application



PULSE FLOW EXCHANGE PROCESS

- CDFW confirms with IEUA the amount of water available for an exchange; determined by:
 - Volume of water recharged
 - Metropolitan Water District's State Water Project water allocation percentage
- CDFW requests pulse flow from DWR and submits release schedule
- DWR conducts operational analysis
- If pulse flow is feasible, CDFW and DWR determine final release schedule

PUBLIC ECOSYSTEM BENEFIT



PROJECT IMPLEMENTATION ACTION: REPLENISHMENT OF ADVANCED TREATED RECYCLED WATER IN THE CHINO BASIN

Metric 1: Volume of treated recycled water produced

Performance Threshold: The Program will annually produce 15 TAF of advanced treated recycled water of a quality that can be replenished to the Chino Groundwater Basin

Metric 2: Volume of advanced treated recycled water replenished to the Chino Groundwater Basin

Performance Threshold: The Program will replenish the Chino Groundwater Basin with 15 TAF of advanced treated water annually

ADAPTIVE MANAGEMENT OF PROJECT IMPLEMENTATION ACTION

Triggers:

- Metric 1: Less than 15 TAF produced annually
- Metric 2: Less than 75 TAF replenished during 5-year evaluation period

Management Actions:

- Maintenance and/or rehabilitation to the treatment, conveyance and replenishment facilities
- Use of additional replenishment facilities to meet annual 15 TAF Performance Threshold
- Extend term of CAPB beyond 30 years until 375 TAF has been released as pulse flows

PROJECT IMPLEMENTATION ACTION: RELEASE OF UP TO 50 TAF PULSE FLOW TO THE FEATHER RIVER

Metric 1: Pulse flow release

Performance Threshold: A minimum of one pulse flow will be provided every five years to achieve the following cumulative volumes:

- Program Years 5-15: 150 TAF
- Program Years 16-25: 300 TAF
- Program Years 26-30: 375 TAF

ADAPTIVE MANAGEMENT OF PIA – PULSE FLOW

Trigger:

- Metric 1: Minimum number of pulse flow releases and cumulative volume Performance Thresholds are not met

Management Actions:

- IEUA will work with its local partners, DWR, and/or Metropolitan Water District to eliminate barriers to providing pulse flows
- Extend term of CAPB beyond 30 years until 375 TAF has been released as pulse flows

BENEFIT IMPLEMENTATION ACTION: AGREEMENT BETWEEN IEUA AND METROPOLITAN

Metric 1: Maintain IEUA-Metropolitan Agreement

Performance Threshold: The agreement will be maintained such that pulse flows volumes and frequencies meet Performance Thresholds for Project Implementation Actions

*Other agreements may be added to final CAPB

ADAPTIVE MANAGEMENT OF BENEFIT IMPLEMENTATION ACTION

Trigger:

- Metric 1: IEUA-Metropolitan Agreement is terminated by any party or modified in a manner that prevents exchanges to occur such that pulse flow releases do not meeting PIA Performance Thresholds

Management Actions:

- Negotiate modifications/amendments to IEUA-Metropolitan Agreement as needed and appropriate to continue to provide the public benefit
- Implement the Dispute Resolution procedures in Section XII of the IEUA-Metropolitan Agreement

BENEFIT ENVIRONMENTAL RESPONSE

Metric 1: Environmental and biological parameters that reflect improved conditions and/or responses to pulse flows for spring-run Chinook salmon

- Juvenile salmon fish catches
- Adult salmon fish counts
- Flow at Thermalito Diversion Dam fish barrier
- *C. shasta* spore counts

ADAPTIVE MANAGEMENT OF BENEFIT ENVIRONMENTAL RESPONSE

Trigger:

- After two pulse flows have been released, CDFW determines that the ecological benefits targeted have not been observed in association with releases

Management Actions:

- CDFW will work with DWR to change the timing and duration of pulse flows to achieve the desired environmental response
- CDFW will call on different volumes of pulse flows or multiple pulses in one year, with the total volume not to exceed 50 TAF that year



QUESTIONS?