

| Summary of Proposed Management Objectives, Metrics, and Triggers | | | |
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| Objective | Metric | Management Action Trigger | Potential Management Action |
| Fish Passage —Facilitate fish passage between the Pajaro River and College Lake between December 15 th and May 31 st . | Tagged smolts (number detected) | Significant difference between upstream and downstream sides of weir | [Forthcoming] |
| | Relative abundance of Age 0 steelhead (% of juveniles) in Casserly Creek and College Lake | Relative abundance in Casserly Creek/College Lake significantly less than in nearby stream systems | [Forthcoming] |
| Farming — Promote farming within the College Lake basin between 59 feet and 63 feet elevation NAVD88. | Acreage cultivated between 59 feet and 63 feet elevation NAVD88 in below normal, dry, or critical water years | Acreage cultivated in a below normal, dry, or critical water year below pre-project (2014–2021) range of cultivated acreages during below normal, dry, or critical water years. | [Forthcoming] |
| Water Storage —Preserve water storage capacity within College Lake. | Sediment/debris in ditches—Flow obstructions (presence and location) and ditch depth | Presence of a flow obstruction or depth decrease of 25% or more. | [Forthcoming] |
| | Sediment/debris on lakebed—elevation | Elevation increase > 2 inches | |
| | Vegetation—Woody riparian plants (location, estimated area, abundance, and height) | 1 location > 0.1 acres in area with >0.5% cover of seedlings of woody riparian plants > 3 inches in height | |
| | Prioritized Invasive Plants—Infestation coordinates, area, and species | 1 new invasive plant infestation or >25% increase in area of existing infestation. | |
| Water Quality —Confirm conditions are unsuitable for steelhead rearing in College Lake during June–September. | Temperature (°C) | June–September maximum weekly average temperature (MWAT) < 20°C or maximum weekly maximum temperature (MWMT) < 25°C | [Forthcoming] |
| Water Quality —Minimize conditions that can contribute to algal blooms, including cyanobacteria blooms. | Temperature profile (°C) | Water column temperature gradient > 5 °C ^a | [Forthcoming] |
| | Total phosphorus (mg/L) | Concentrations > 0.17 mg/L ^a | |
| | Chlorophyll-a (µg/L) | Concentrations > 25 µg/L ^a | |
| | Microcystins, total (µg/L) | Concentrations > 0.8 µg/L ^a | |

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| Flooding —Avoid exacerbating existing flood hazards outside the proposed water storage area. | April–May precipitation | Occurrence of major precipitation event (> 1 inch rainfall) when weir is raised above 60.1 feet NAVD88 | [Forthcoming] |
| Waterfowl —Sustain waterfowl habitat quality in the proposed water storage area. | Median daily abundance of waterfowl guilds during December–March | Annual median of abundance below range of pre-project (2015–2021) medians | [Forthcoming] |
| Invasive Species —Control invasive animal species pursuant to a plan approved by the appropriate regulatory agencies. | Species—Presence | Additional species detected | [Forthcoming] |
| | Species—# Individuals / unit area or sampling effort | Increasing trend in abundance | |
| Research —Support research and citizen science focused on key uncertainties affecting management. | Studies addressing key prioritized data gaps (number) | 0 studies initiated at College Lake in first 3 years of implementation | [Forthcoming] |
| <p>Notes</p> <p>a Based on Total Maximum Daily Load (TMDL) established for Pinto Lake and supporting assessments; intended to reduce likelihood of cyanobacteria blooms impairing water uses (State of California Regional Water Quality Control Board Central Coast Region Resolution No. R3-2020-0034; R. Ketley, A. Retinger, and M. Los Huertos [2013] Pinto Lake Total Maximum Daily Load (TMDL) Planning and Assessment, State Water Resources Control Board, Sacramento, California.</p> | | | |