




ACTION ITEMS:



14. CONSIDER AUTHORIZATION FOR GENERAL MANAGER TO CONTRACT FOR LOS PADRES DAM ALTERNATIVES STUDY

Meeting Date: January 25, 2017

Staff contact: Larry Hampson

Los Padres Dam Alternatives Study



Technical Review Committee

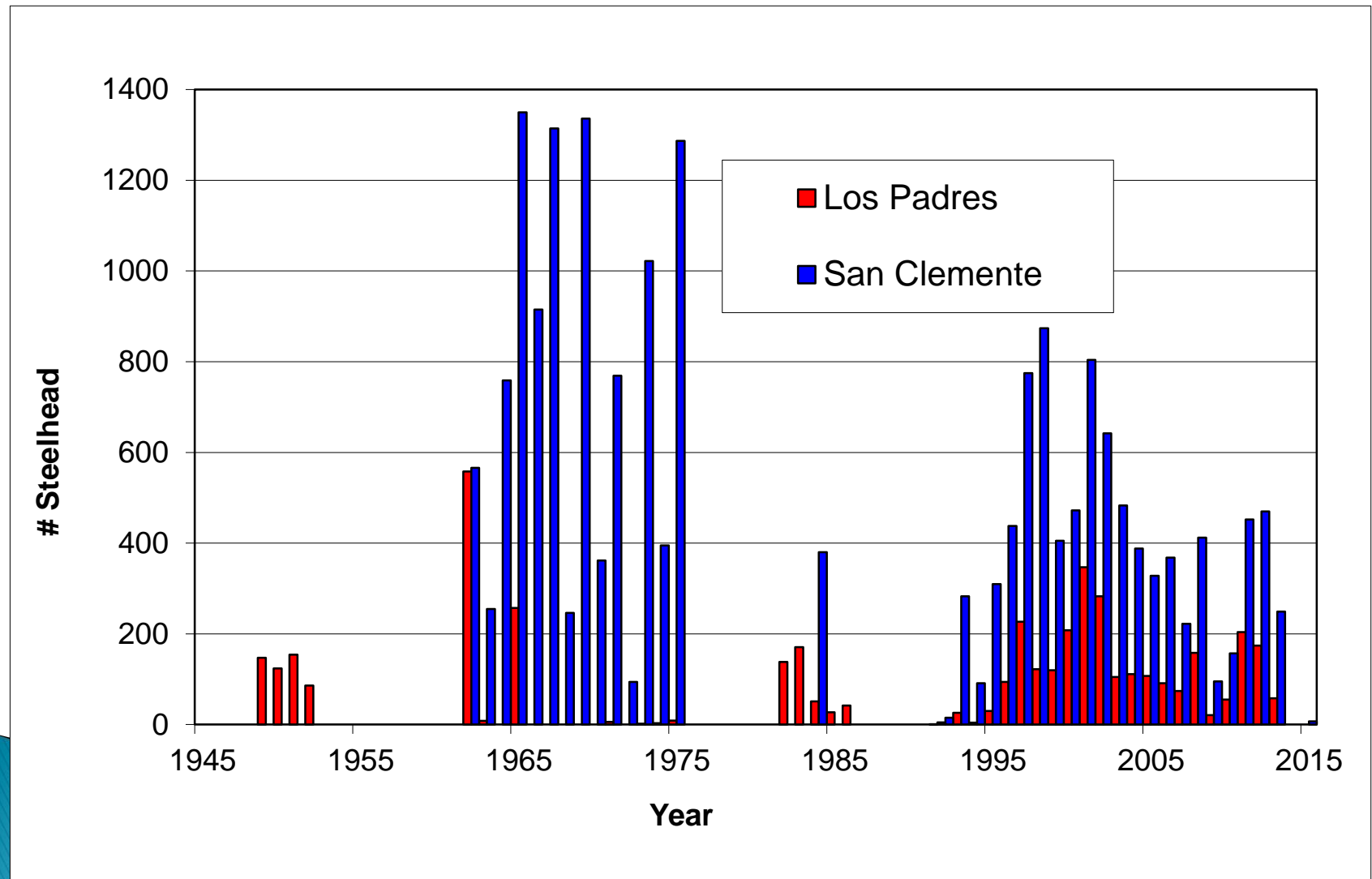


Question No. 1: Are Carmel River steelhead better off with or without Los Padres Dam?



Issues: fish passage and habitat modification

Historical Counts of Adult Steelhead at Los Padres Dam (1949–2015) and San Clemente Dam (1962–2015)



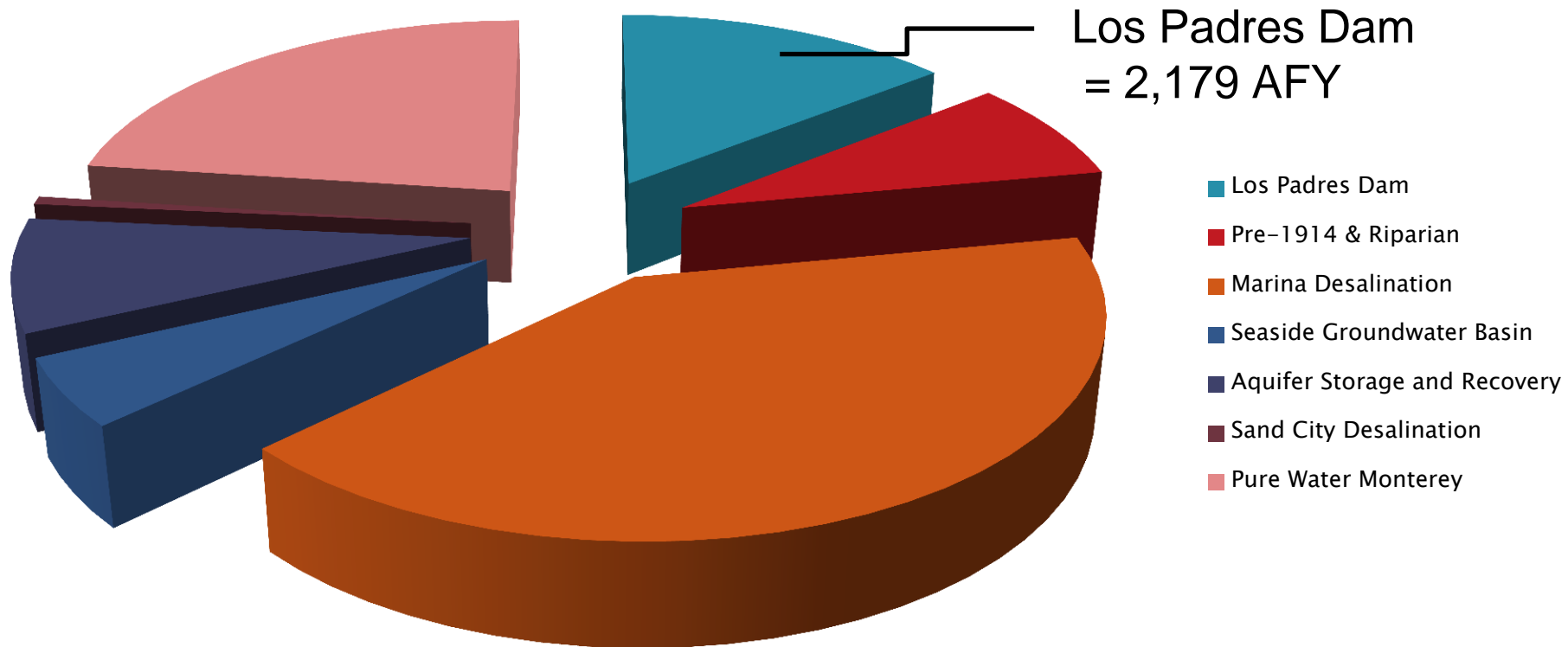
Question No. 2:

What effect would removal of Los Padres Dam have on water supply, steelhead habitat, and riverfront properties?

- Considerations:
 - LP Dam to provide 14% of water supply by 2021
 - Only source of water in summer to augment Carmel River streamflow
 - Currently traps all bedload, portion of suspended load
 - Increased sediment supply from removal could increase flood hazard risk downstream

Monterey Peninsula Water Supply Project

Total = 15,296 acre-feet per year



Question No. 3:

How can reservoir sediments be managed?

- Considerations:
 - Operational capacity slowly diminishing with each sediment pulse into reservoir.
 - Average of 10 to 20 AFY loss of storage capacity (about 1,600 to 3,200 dump truck loads per year).
- Options to study include:
 - Can the river be used to carry sediment downstream?
 - Can material be dredged and stockpiled nearby?

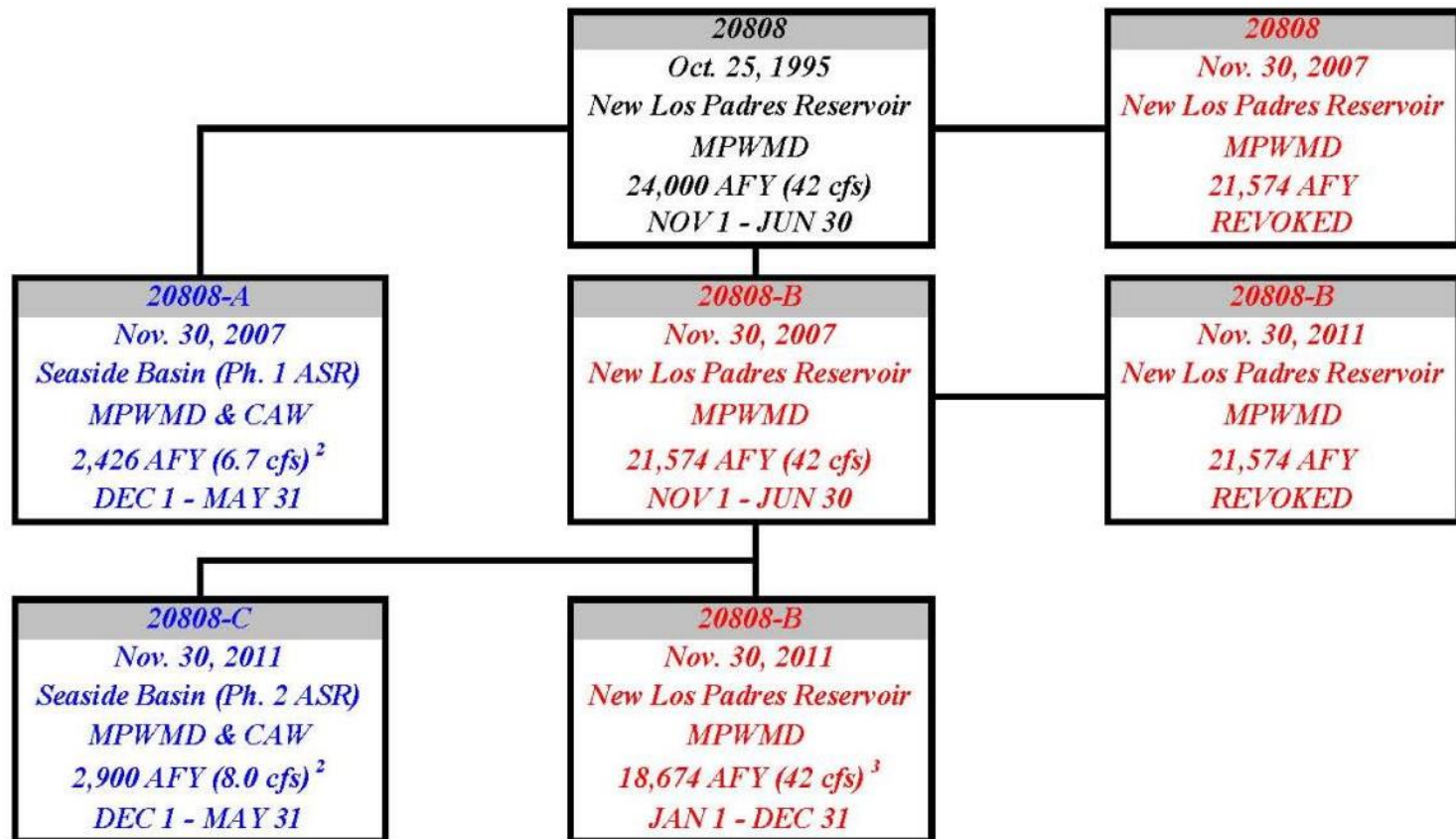
Question No. 4:

Can Los Padres Reservoir be expanded?

- Considerations:
 - MPWMD holds rights to Carmel River at Los Padres Reservoir
 - Licensing of these rights by SWRCB due in 2020
- Options to study include:
 - dam raise and
 - new dam downstream

MPWMD Carmel River Water Rights

Genealogy of Water Right Permit 20808 Carmel River



Board to consider proposals

- MPWMD received proposals from two well-known firms in water resources planning and engineering: AECOM and MWH
- Technical Review Committee ranked AECOM proposal higher by large margin
- Water Supply Planning Committee and Administrative Committee recommended contracting with AECOM
- AECOM proposal: comprehensive, cost = \$500,000
- MWH proposal: less comprehensive, cost = \$800,000
- Cal-Am to reimburse MPWMD for the cost of the study from revenues approved by the CPUC in the 2015-2017 General Rate Case

Recommendations


- Accept the AECOM proposal; and
- Authorize the General Manager to enter into a contract with AECOM for a Not-to-Exceed amount of \$500,000



FOR MORE INFORMATION

District website:

www.mpwmd.net



PowerPoint presentations will be
posted on the website the day
after the meeting

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