

Flip Chart Notes:
Matilija Dam Ecosystem Project Fine Sediment Study Group
February 2, 2011
(CCP, 2/7/11)

Flip Charts: Review of 4b and BRDA: Additional Data Gaps

Water Costs

Difference in cost if no recycled water, and pump from Meiners Oaks
Cost difference of recycling versus Casitas water
Cost of maximizing use of water captured from de-silting
More detailed site-level analysis to get more accurate overall costs

Re-vegetation Costs

Refine and cost out acceptable re-vegetation standard
Cost increases due to dealing with large rocky substrate

Other

More detailed site analysis of on-site fauna
Compare with other comparable dams with sediment issues (Elhwa, Montana dam, Rogue)
Re-define the “without project” alternative

OVERALL

Data Gaps:

Cost savings from single line instead of dual line
Upstream O&M cost with permanent sequestration
What changes to design would trigger re-authorization?

Data recommended: NOAA biological Opinion on Robles

Other assumptions not included:

Beach acreage estimates not incorporated into HEP analysis
Near-shore and offshore impacts not included (no USGS funding)
Overall ecological benefit analysis

Additional comments:

Take into account new data on dam removal technology
New data on wetland loss mitigation: allow sediments to flow downstream
Recommend re-look at notching: cost/benefit analysis

BRDA

Data Gaps:

Which assumptions drove up the costs
more drying reduces cost, versus cost of longer conveyance
What percentage of fine sediment goes to ocean in BRDA? MODA?
No detailed analysis of ongoing downstream site erosion

Assumptions/constraints:

No HEP analysis of fine sediment as an environmental benefit
Nothing less than 10 year storm event to transport fine sediment
The more sediment sequestered the better (Regional Board)

Comment: Divergence of HEP analysis and sediment storage behavior

MODA

Data Gap:

Permanent impact analysis of MODA versus temporary impact analysis of BRDA

Jenkin: Beach habitat benefit not included in the analysis.

Cluer: Benefits of fines to shelf not analyzed.

Matt: Gradual notching may be good project in eyes of public

Center for Collaborative Policy
February 7, 2011