

# Marina del Rey

2014 TMDL Re-opener

# Marina del Rey History

- Largest man-made small craft harbor in the United States
- It was formally dedicated in April 1965
- Currently, we have 4,761 slips and an 18% vacancy rate
- Our current TMDL was approved by the EPA in March 2006

# Challenges

- Requires an 85% reduction in copper leaching from boat hulls by 2024
- Boater Acceptance
- Requires remediation of harbor sediment by 2029

# 85% Reduction in Copper from Boats by 2024

- There are 4,761 slips in Marina del Rey
- Marina del Rey's two boatyards can repaint a combined 500 boats a year
- Hull paints need to be reapplied every 1-3 years
- There is not currently a non-biocide paint that is generally accepted by boaters
- Shelter Island Harbor has been trying to reduce copper paints for 7 years and has just recently met their 10% target
- It will cost an additional \$6,000-\$7,000 to strip copper hull paint so that non-copper paint can be applied
- These costs will be prohibitive to many boaters
- Copper-based paint help prevent the spread of invasive species

# Boater Acceptance

- Copper-based paints are still legal in California and are considered a proven product
- Boaters in other harbors have gone back to copper-based paint after experimenting with non-copper paints
- Non-copper paints are more expensive and have to be cleaned more often

# Dredging the Harbor

- The proposed re-opener calls for remediation of the harbor sediment by 2029
- The Water Board's staff report estimates this to cost up to 200 million dollars
- The staff report greatly underestimates the size of the harbor
- The calculations are based on open water dredging, not accounting for the portions of the Marina covered by docks
- What are the environmental consequences of moving 982,520 cubic yards of sediment?