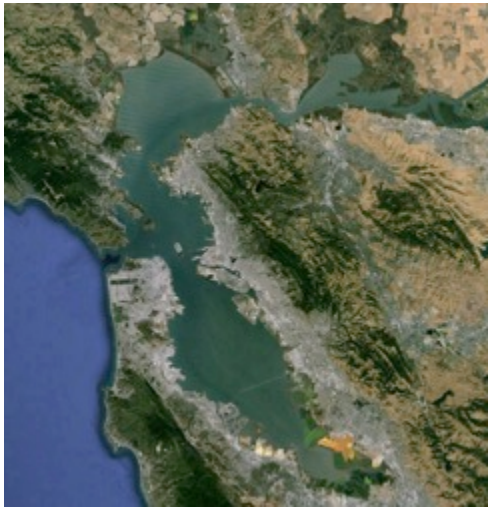
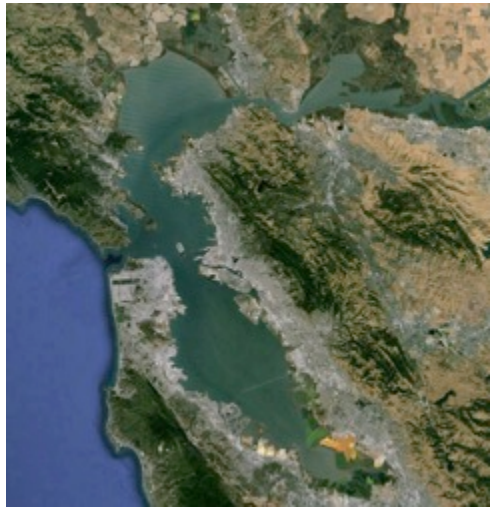


San Francisco Bay Sand Mining Permit Update

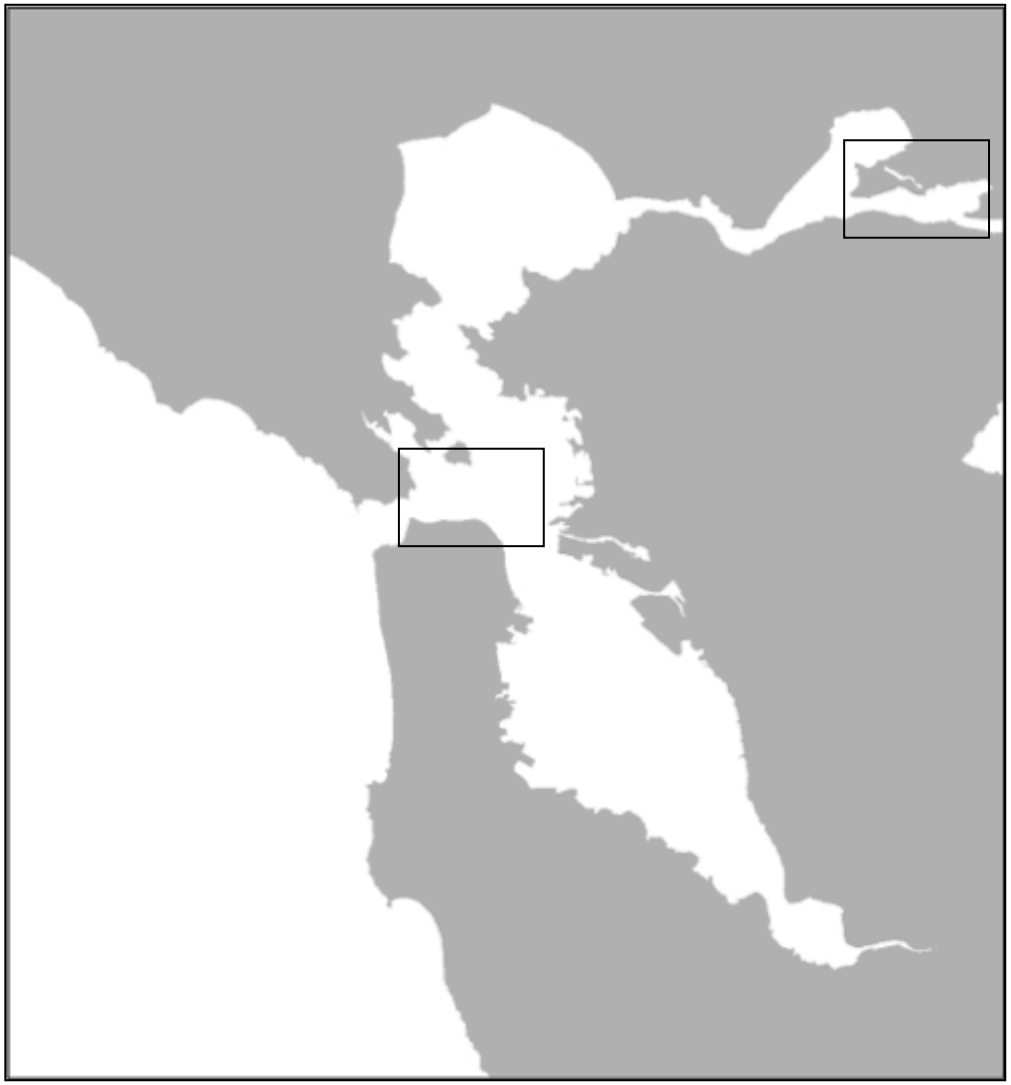
March 17, 2016



Outline

1. What the Commission did.
2. What's going on.
3. Next steps.

Bay Sand Mining Areas



Total Mining Authorized Over Ten Years

- Total acres: 3,900
- Total authorized annual mining: 1.426 mcy
- “Peak” mining: 1.75 mcy
- Total possible mining: 14.26 mcy over 10 years

Three Mining Permits

- Hanson Marine Operations – Central Bay (80%)
- Lind Marine – Middle Ground Shoal (7 %)
- Suisun Associations – Suisun Channel (13 %)

What the Commission did.

Applicant	Location	Area (Acres)	Authorized Annual Volume	Peak Years	Total Over Ten Years
Hanson	Central Bay	2,601	1.141 mcy	1.395 mcy	11.41 mcy
Lind Marine	Middle Ground Shoal	367	100,000 cy	120,000 cy	1.0 mcy
Suisun Associates	Suisun Channel	936	185,000 cy	230,000 cy	1.85 mcy

Protection and Minimization Measures

- Volume limits on mining
- Protection of habitat
  - buffer zones
  - fish screens
  - water intake and volume pumped
- Navigation safety – oil spill prevention plan

Monitoring

Resource Impacts

- Bathymetric change analysis – 2018
- Tracking of mining activity – ongoing

Protection of Habitat and Species

- Designation of biologist for compliance monitoring
- Notification of "take"

Water Quality

- Self-monitoring program
- Effluent study – underway

Reporting

- Quarterly reports – received and ongoing
- Annual reports – due in May

Mitigation

- Purchase of mitigation credits – complete
- Contribution to CalRecycle for marine debris removal
  - Under reconsideration

Studies

- Benthic ecology and function – TAC formed, work plan drafted, request for proposals issued
- Mining effluent water quality - underway
- Sand Transport and dynamics – planning phase
- Funding – first of four payments made ($299,958.00)

Next Steps

- Develop sand transport and dynamics TAC, management questions, and studies program
- Review annual reports
- Continue to update the Commission on progress – October 2016

Questions?