

# Delta Modeling Section DSM2 Update

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# Support for Various Programs

- Annual Report 2016 (Min) - Ready to circulate through management
  - Investigation of Inflatable Barrier
  - New GIS Tool for Creating DSM<sub>2</sub> Grid/Cross Sections
  - DSM<sub>2</sub> Extension
  - Delta Salinity Simulation with DSM<sub>2</sub>-GTM
  - Summary of NDO Report to SWRCB
- Municipal Water Quality Investigations Program (Hari, Wenli)
- Consumptive Use Analysis (Lan, Bob)

# Support for Various Programs (Cont)

- Storage Investigation Program –SLR - (Nicky, Eli, Kijin)
- SWRCB – NDO report released to SWRCB and is online

[http://www.waterboards.ca.gov/waterrights/water\\_issues/programs/bay\\_delta/deltaflow/docs/ndo\\_report\\_march2016.pdf](http://www.waterboards.ca.gov/waterrights/water_issues/programs/bay_delta/deltaflow/docs/ndo_report_march2016.pdf)

# Develop and Expand Features of Decision Support Tools

- DSM2v8 Development and Maintenance –
  - General Transport Model
    - Code Development - (En-Ching , Nicky, Eli)
    - Water Quality Module Development (Hari, Ming-Yen, Myint )
    - Sediment Transport Development (Jamie, En-Ching)
    - Mercury Model Development – Reed Harris (Jamie)
  - Particle Tracking Code Development – Collaboration with NOAA, USGS (Xiao)

# Develop and Expand Features of Decision Support Tools (cont)

- DSM2v8 Development and Maintenance –
  - G-Model Update – additional testing – (Lianwu, Joey)
  - Developing Cross Sections from DEM (Lianwu)
  - Running Extended Grid with PEST (Ines)

# Staff

- Some reorganization
- New Senior to be hired