

The Bacon Island / Jones Tract In-Delta Storage Field Studies

THE JONES TRACT INCIDENT	
Delta floods Timeline	<p>http://ryerisland.com/images/floods/delta_floods_final.pdf http://snugharbor.net/images2011/timeline_of_delta_levee_failures.pdf http://www.water.ca.gov/pubs/planning/california_water_plan_1998_update_bulletin_160-98_b16098_vol1.pdf page 36 and 93 and whole doc is good! delta reference map http://www.delta.ca.gov/res/docs/map/delta.pdf http://www.deltarevision.com/2011/historic-timeline/historic_maps/1975_delta-floods-dwr.pdf</p>
2011 ids website	<p>http://www.water.ca.gov/storage/indelta/reports_index.cfm http://www.water.ca.gov/storage/docs/In-Delta%20Project%20Docs/</p>
5 unanswered Questions	<p>http://www.water.ca.gov/pubs/waterquality/municipal_wq_investigations/mwqi_reports/jones_tract_flood_water_quality_investigations/ionestruct072009_rev1.pdf page 28 map</p>
Did the levee fail on June 1, 2, or 3?	<ol style="list-style-type: none"> a. go over DCC operations http://www.science.calwater.ca.gov/pdf/SIA_cross_channel_060101.pdf b. http://deltarevision.com/2004_docs/ccwd-02.pdf b. June 1 operations log http://www.waterboards.ca.gov/waterrights/water_issues/programs/bay_delta/wq_control_plans/2006wqcp/exhibits/append2/doi/doi-07.pdf c. http://www.usbr.gov/mp/cvo/vungvari/Ccgates.pdf usbr log says june 3 c. DOI newsletter d. DWR doi revised operations log http://www.usbr.gov/mp/cvo/vungvari/Ccgates.pdf http://www.water.ca.gov/floodmgmt/dsmo/sab/drmsp/docs/DRMS_presentation_LesHarderBRTF-053107-mod1.pdf see photo dated June 3rd <p>3. Media examples</p>
One or two Jones Tracts?	<p>Consistency: http://deltarevision.com/2004_docs/2004usace_delta_islands_flood.pdf</p>
Was the Jones Tract flooding part of the IDS field studies?	<p>http://modeling.water.ca.gov/delta/reports/annrpt/2005/2005Ch3.pdf http://www.water.ca.gov/pubs/waterquality/municipal_wq_investigations/mwqi_reports/jones_tract_flood_water_quality_investigations/ionestruct072009_rev1.pdf http://calwater.ca.gov/content/Documents/library/Storage/InDeltaStorageReports_2004_Supp/URS_May_2005_Risk_Analysis_Full%20Report.pdf http://deltarevision.com/2004_docs/2004_year_in_review.pdf http://modeling.water.ca.gov/delta/reports/annrpt/2004/2004Contents.pdf not in report! http://www.water.ca.gov/storage/docs/Surface%20Storage%20Misc.%20Docs/Surface_storage_Progress_Report_May2006.pdf acknowledges JT for IDS http://baydeltaoffice.water.ca.gov/modeling/deltamodeling/news/DOC_July2004_forecast_070804.pdf look at timing of barriers installed http://www.water.ca.gov/storage/docs/In-Delta%20Project%20Docs/FINAL_Supplemental_In-Delta_Report.pdf page 54 ... look at Staten Island detention plans and work being done in 2011 page 85</p>

	http://baydeltaoffice.water.ca.gov/swpreliability/Final_DRR_2007_011309.pdf Jones Tract a “small scale” event
Why didn't the state save money by closing up the levee breach immediately?	Compare the 1986 Tyler Island accidental levee failure http://deltarevision.com/1848-1989_docs/1986-tyler_island_flood.pdf http://www.water.ca.gov/floodmgmt/dsmo/sab/drmsp/docs/Comparison_of_Major_Levee_Breaks_in_Delta.pdf to the Jones Tract Field Studies
Who paid for those field studies?	http://deltarevision.com/2004_docs/07-08-04Item8_10_YearFinancePlan.pdf http://deltarevision.com/2004_docs/JT/usbr_funding.JPG federal gov http://deltarevision.com/2004_docs/07-08-04Item2_DirectorsReport.pdf not calfed? http://www.deltarevision.com/2004_docs/wptf20040408_deltapack.pdf
Good results from the JT Field Studies	http://deltarevision.com/2004_docs/DOC_July2004_forecast.pdf using modeling to predict doc http://deltarevision.com/2004_docs/ErosionSitesReport.pdf (fix the levees) http://www.calwater.ca.gov/content/Documents/library/LSI-DSRAppendix_A.pdf http://deltarevision.com/2004_docs/7-23-04_dip_plan.pdf page 7 and http://deltarevision.com/2004_docs/07-08-04Item5ppt_Delta_Improvements_Package.pdf http://deltarevision.com/2004_docs/JT/04CalfedSciConf-Levees_and_Subsidence.pdf (levees are important) http://deltarevision.com/2004_docs/2004statten_island_dam.pdf statten island proposed for water storage (dam the delta) http://www.waterplan.water.ca.gov/docs/cwpu2005/vol4/vol4-infrastructure-calfedbaydeltasurfacestorageprogram.pdf page 6 http://www.water.ca.gov/storage/docs/Common%20Assumptions/Interim_Update_Modeling_TM_050405.pdf helps to finetune the modeling
Bad results	http://www.deltarevision.com/2004_docs/Mount_Twiss_Levee_Report2004.pdf page 5 big gulp JT summary http://deltarevision.com/2004_docs/ISB_subcom_levee_report_120104.pdf PowerPoint Presentation
	Timeline of the CalFed Surface Storage proposals
intro	1995 proposal http://www.deltarevision.com/1990-1999_docs/delta_wetlands_project1995.jpg
2000	http://calwater.ca.gov/content/Documents/library/July2000_EIS_EIR/301/301_intro.pdf http://www.deltarevision.com/2011/historic-timeline/plan_maps/2000-preferred_alternative_described.jpg http://deltarevision.com/2000_docs/2000delta_whitepaper.pdf
2000	http://calwater.ca.gov/content/Documents/library/July2000_EIS_EIR/301/301_chapter2.pdf preferred alternative

2000 basemap	http://calwater.ca.gov/content/Documents/library/July2000_EIS_EIR/301/301_chapter5.pdf
Color basemap	http://www.delta.ca.gov/res/docs/map/delta.pdf http://www.delta.ca.gov/res/docs/Sacto-SanJoaqin_fact.pdf
Dwr docs-reference	http://www.water.ca.gov/publications/browse.cfm?letter=C&sort=date
1997 doc study	http://www.water.ca.gov/pubs/waterquality/municipal_wq_investigations/mwqi_reports/candidate_delta_regions_for_reductions_oc_loads_-_jan_1997/no._20_-_candidate_delta_regions_for_reductions_oc_loads_-_jan_1997.pdf
CalFed website	http://www.science.calwater.ca.gov/library/library_index.html go to bottom of page for calsimII links
2000	http://deltarevision.com/2004_docs/JT/1997subsidence.pdf
2001	http://www.science.calwater.ca.gov/pdf/SIA_cross_channel_060101.pdf how dcc is operated
2001	http://www.deltarevision.com/maps/2001delta_wetlands_project.jpg
2002 modeling	http://modeling.water.ca.gov/delta/studies/stockton/AuxiliaryFlowPumps.pdf report on calibration of flow monitors Dwr site http://modeling.water.ca.gov/delta/reports/annrpt/2003/2003.pdf go over table of contents for figures; page 21 gis and manipulation; 23 proposed thru-delta facility including hood; page 24 map of thru-delta; page 41 ids studies http://www.water.ca.gov/pubs/waterquality/municipal_wq_investigations/mwqi_reports/isi_in_delta_storage_draft_summary_feb_2002/no._32_-_isi_in_delta_storage_draft_summary_feb_2002.pdf
2003	http://modeling.water.ca.gov/branch/annual.html shows a list of reports up to 2003
Jan 2003	http://sfbay.wr.usgs.gov/sediment/delta/www.water.ca.gov/storage/docs/In-Delta%20Project%20Docs/4%20FieldInvStakeholders012203.ppt
2003	http://www.deltarevision.com/2011/historic-timeline/plan_maps/2003_realm_map.jpg realm modeling point
2002	http://www.deltarevision.com/2011/historic-timeline/plan_maps/ids_pumps.jpg
March 2003	http://sfbay.wr.usgs.gov/sediment/delta/Delta_bathy_CALFED.pdf
2003 levee costs	http://www.science.calwater.ca.gov/pdf/levees.pdf go to page where it shows costs and quote how it works to repair levees! http://www.deltarevision.com/maps/in-Delta_storage/2004in-delta_storage.jpg
June 2003	http://calwater.ca.gov/content/Documents/library/Storage/InDeltaStorageReports_2003/Engineering/Seismic/Figures%201%20through%2022.pdf
Aug 2003	http://www.deltarevision.com/2011/historic-timeline/plan_maps/2003_report_calsim_modeling-ids.pdf http://www.deltarevision.com/2011/historic-timeline/plan_maps/carbon_modeling_urs_metropolitanWD.jpg http://deltarevision.com/2004_docs/JT/2003REALM-full.pdf

	http://calwater.ca.gov/content/Documents/library/Storage/InDeltaStorageReports_2003/Engineering/Seismic/Appendix%20A%20(Part%20of%203%20-%20Figures).pdf http://www.water.ca.gov/floodmgmt/docs/Bul69-95/00-bull69-95front.pdf publication to emphasize flooding
Nov 2003	http://www.deltarevision.com/2011/historic-timeline/plan_maps/2003_CalSimII_Simulation.pdf
Ids modeling process	http://baydeltaoffice.water.ca.gov/modeling/deltamodeling/presentations/200310_Estuary.pdf http://baydeltaoffice.water.ca.gov/modeling/deltamodeling/presentations/200301_CALFEDSci.pdf
Jan 2004	http://www.science.calwater.ca.gov/pdf/CALSIM_II_103103.pdf summary before ids field study http://www.deltarevision.com/2011/historic-timeline/plan_maps/2005_bathymetric_location_map_of_stydy_areas_edaw.jpg http://calwater.ca.gov/content/Documents/library/Storage/InDeltaStorageReports_2003/Executive%20Summary/Draft_In-Delta_Executive_Summary_1-30-04.pdf
Jan 2004	http://www.water.ca.gov/floodmgmt/dsmo/sab/drmsp/docs/LRAT-TechMemo2004-01-12.pdf http://www.deltarevision.com/2011/historic-timeline/plan_maps/flooded_islands_study2004.jpg http://deltarevision.com/2004_docs/JT/Draft_In-Delta_Executive_Summary_1-30-04.pdf http://deltarevision.com/2004_docs/JT/2004LRAT-TechMemo2004-01-12.pdf
2/12/2004	http://www.science.calwater.ca.gov/pdf/IDS_workshop2003.pdf ids uncertainty...go over doc "field studies" calibrate... http://www.science.calwater.ca.gov/pdf/IDS_workshop2003.pdf
Feb 20 2004	http://deltarevision.com/2004_docs/JT/2004_water_modeling_meeting.pdf
2/27/2004	http://baydeltaoffice.water.ca.gov/modeling/deltamodeling/studies/2003_DSM2_hydro_030204.pdf modeling examples
	http://calwater.ca.gov/content/Documents/library/Storage/InDeltaStorageReports_2003/Brochure_Workshops/In-Delta_Storage_Program_Brochure_8.5x11.pdf
March 2004	http://deltarevision.com/2004_docs/ABriefingontheDeltaandCALFED2.pdf http://deltarevision.com/2004_docs/realmstatus032004.pdf http://calwater.ca.gov/content/Documents/library/Storage/InDeltaStorageReports_2003/Individual%20Comment%20letters/East_Bay_Municipal_Utility_District.pdf http://calwater.ca.gov/content/Documents/library/Storage/InDeltaStorageReports_2003/Public_Comments_Organized_by_Category.pdf
April 2004	http://www.deltarevision.com/2004_docs/wptf20040408_deltapack.pdf http://deltarevision.com/2004_docs/JT/2004Draft_DWR-Rec_response_plan-Calfed-CalsimII.pdf http://calwater.ca.gov/calfed/library/Archive_Storage_FSR.html where docs can be found http://calwater.ca.gov/content/Documents/library/Storage/InDeltaStorageReports_2003/Individual%20Comment%20letters/Natural_Heritage.pdf http://deltarevision.com/2004_docs/JT/MONITOR_MAP.jpg monitoring locations http://www.profsurv.com/magazine/article.aspx?i=70670&p=1 april lidar 2004
See june 3	http://www.water.ca.gov/floodmgmt/dsmo/sab/drmsp/docs/DRMS_presentation_LesHarderBRTF-053107-mod1.pdf

photo...already flooded?	page 10 alarming photo dated June 3; page 12-annual frequency of failure; page 13; page 15
May 20, 2004	<p>2004_docs/JT/2004_report_to_congress.docx report to congress</p> <p>Page 24 http://calwater.ca.gov/content/Documents/library/Storage/InDeltaStorageReports_2004_Supp/Lowney_Piezometer_Installation_Report.pdf</p> <p>http://calwater.ca.gov/content/Documents/library/Storage/InDeltaStorageReports_2004_Supp/Lowney_Piezometer_Installation_Report.pdf</p> <p>may 25 instrument calibration</p>
June 1	http://www.waterboards.ca.gov/waterrights/water_issues/programs/bay_delta/wq_control_plans/2006wqcp/exhibits/append2/doi/doi-07.pdf
June 2	http://www.water.ca.gov/iep/products/newsletterPrevious.cfm shows June 2 Jt at
June 3	<p>http://www.water.ca.gov/floodmgmt/dsmo/sab/drmsp/docs/Levee_Vulnerability_TM.pdf June 3 JT photos page 199</p> <p>http://www.usbr.gov/mp/cvo/vungvari/Ccgates.pdf</p>
June 5	http://articles.sfgate.com/2004-06-05/news/17430352_1_levees-upper-jones-tract-dutra-materials
Jones tract 2004	<p>News article photos</p> <p>http://deltarevision.com/2004_docs/jones_tract_summary.JPG</p>
June 2004	<p>http://www.co.san-joaquin.ca.us/Oes/disasters/Jones04/news.6_07.pdf</p> <p>http://www.deltarevision.com/2011/calfed/2004_June_jt_waterquality_monitoring.jpg</p>
Dcc	Doi dcc log
Dcc	Dwr log
Summary of JT modeling	http://www.cwemf.org/Asilomar/DSM2JonesTrPumpOutSim.pdf go over this one and look at timing on the water flow charts
June 16	<p>http://www.westlandswater.org/short/200406/land_owner_notice.pdf</p> <p>http://calwater.ca.gov/content/Documents/library/Storage/InDeltaStorageReports_2004_Supp/Lowney_Piezometer_Installation_Report.pdf</p> <p>other islands monidoring</p> <p>http://calwater.ca.gov/content/Documents/library/Storage/InDeltaStorageReports_2004_Supp/HT_Jones_Tract_GW_Monitoring_Report.pdf</p>
June-july 2004	<p>http://deltarevision.com/2004_docs/JT/HT_Jones_Tract_GW_Monitoring_Report.pdf</p> <p>http://deltarevision.com/2004_docs/07-08-04Item2_DirectorsReport.pdf</p> <p>http://calwater.ca.gov/content/Documents/library/Storage/InDeltaStorageReports_2004_Supp/URS_May_2005_Risk_Analysis_Full%20Report.pdf</p>

dwr	http://baydeltaoffice.water.ca.gov/modeling/deltamodeling/news/DOC_July2004_forecast_070804.pdf revised memo re: jt
June-july	http://baydeltaoffice.water.ca.gov/modeling/deltamodeling/news/DOC_July2004_forecast_070804.pdf http://baydeltaoffice.water.ca.gov/modeling/deltamodeling/news/2004SepForecast.pdf
	http://calwater.ca.gov/calfed/library/Archive_Storage_FSR_Update.html
June 24	http://www.allbusiness.com/government/government-bodies-offices-heads-state/5620564-1.html http://deltarevision.com/2004_docs/2004CALSIM_II_103103.pdf link if above doesn't work
2004 summer	http://baydeltaoffice.water.ca.gov/modeling/deltamodeling/studies/2004_DSM2_hydro_031805.pdf page 4 shows when barriers were put in and the dcc operations. Page 13 jt, 15 discusses how temp barriers worked;
	http://www.water.ca.gov/iep/newsletters/2004/IEPNewsletter_summer_2004.pdf http://deltarevision.com/2004_docs/JT/jt_modeling.jpg http://www.slc.ca.gov/division_pages/depm/depm_programs_and_reports/pg_e_line_57c/JPEG/Figure%2004.jpg pipeline studies
Oct 2004	http://deltarevision.com/2004_docs/JT/04CalfedSciConf-Levees_and_Subsidence.pdf
Oct 2004	http://deltarevision.com/2004_docs/JT/usbr_funding.JPG calfed bill signed
Oct 2004	http://www.deltarevision.com/2011/historic-timeline/plan_maps/2004-salinitytracking.pdf http://www.deltarevision.com/2011/historic-timeline/plan_maps/2004_modeling_report_to_congress_oct.pdf
Nov 2004	http://deltarevision.com/2004_docs/JT/2004proposed_monitoring_changes.pdf
Dec 2004	http://deltarevision.com/2004_docs/JT/2004_year_in_review-usbr.pdf
Notation re bacon	http://modeling.water.ca.gov/delta/reports/annrpt/2005/2005Ch3.pdf DWR summary of JT page 6 refers to bacon island
Summary of dcc	http://www.water.ca.gov/pubs/waterquality/municipal_wq_investigations/mwqi_reports/summary_and_findings_of_data_collected_from_the_sacramento-san_joaquin_delta_region_october_2003_throught_september_2005/summary_and_findings_of_data_collected_from_the_sacramento-san_joaquin_delta_region_october_2003_throught_september_2005.pdf
2004 dec	http://www.deltarevision.com/2004_docs/Mount_Twiss_Levee_Report2004.pdf page 5 big gulp JT summary http://deltarevision.com/2004_docs/ISB_subcom_levee_report_120104.pdf
	http://calwater.ca.gov/calfed/library/Archive_Storage_FSR_Update.html http://calwater.ca.gov/content/Documents/library/Storage/InDeltaStorageReports_2004_Supp/Reddy_2005_Report_dwr_rev_3-1-05.pdf cover page, page 23 jt on June 3 rd ;

	<p>http://calwater.ca.gov/content/Documents/library/Storage/InDeltaStorageReports_2004_Supp/Lowney_Piezometer_Installation_Report.pdf page 36 etc may 22</p> <p>http://calwater.ca.gov/content/Documents/library/Storage/InDeltaStorageReports_2004_Supp/HT_Jones_Tract_GW_Monitoring_Report.pdf groundwater modeling</p> <p>http://calwater.ca.gov/content/Documents/library/Storage/InDeltaStorageReports_2004_Supp/URS_Seepage_Calibration_Study.pdf seepage</p> <p>http://calwater.ca.gov/content/Documents/library/Storage/InDeltaStorageReports_2004_Supp/URS_May_2005_Risk_Analysis_Full%20Report.pdf full report</p>
Dwr 2004 modeling	http://modeling.water.ca.gov/delta/reports/annrpt/2004/2004Ch5.pdf
newsletters	<p>http://www.water.ca.gov/iep/newsletters/2004/IEPNewsletter_summer_2004.pdf</p> <p>http://www.science.calwater.ca.gov/pdf/SIA_delta_080104.pdf delta incl jt</p> <p>http://www.science.calwater.ca.gov/pdf/publications/sbds/sbds_2008_summary_011808.pdf jt photo</p> <p>http://www.science.calwater.ca.gov/pdf/publications/sbds/sbds_final_update_122408.pdf page 37 jt</p>
Dec 2004	http://www.deltarevision.com/2004_docs/Mount_Twiss_Levee_Report2004.pdf page 5 big gulp JT summary
Jan 2005	http://deltarevision.com/2004_docs/JT/1517.pdf
2005	<p>http://modeling.water.ca.gov/delta/reports/annrpt/2005/2005Ch3.pdf</p> <p>http://www.deltarevision.com/2011/historic-timeline/plan_maps/2005modelingSensitivityStudyReport.pdf</p>
March 2005	<p>http://calwater.ca.gov/content/Documents/library/Storage/InDeltaStorageReports_2004_Supp/Reddy_2005_Report_dwr_rev_3-1-05.pdf</p> <p>http://modeling.water.ca.gov/delta/reports/annrpt/2005/2005Ch3.pdf</p> <p>http://deltarevision.com/2004_docs/JT/2005_delta_levee_breach_modeling2.JPG</p> <p>http://www.cwemf.org/Asilomar/DSM2JonesTrPumpOutSim.pdf</p>
2005 summary	http://www.waterplan.water.ca.gov/docs/cwpu2005/vol4/vol4-infrastructure-calfedbaydeltasurfacestorageprogram.pdf go to page 6
May 2005	<p>http://deltarevision.com/2004_docs/JT/urs-ids_update.jpg</p> <p>http://calwater.ca.gov/content/Documents/library/Storage/InDeltaStorageReports_2004_Supp/Final_Supplemental_Report_5-23-06.pdf</p> <p>http://www.waterplan.water.ca.gov/docs/cwpu2005/vol2/v2ch17.pdf</p>
2006	<p>http://www.water.ca.gov/floodmgmt/dsmo/sab/drmsp/docs/Comparison_of_Major_Levee_Breaks_in_Delta.pdf</p> <p>http://www.slc.ca.gov/division_pages/dep/dep_programs_and_reports/pg_e_line_57c/JPEG/Figure%2003.jpg</p> <p>use as excuse to put in pipelines and tunneling under delta islands</p> <p>http://baydeltaoffice.water.ca.gov/DeltaAtlas/06-FloodControl.pdf</p> <p>http://www.water.ca.gov/storage/docs/Surface%20Storage%20Misc.%20Docs/Surface_storage_Progress_Report_May2006.pdf jt used for ids</p>
2007	http://www.slc.ca.gov/division_pages/dep/dep_programs_and_reports/pg_e_line_57c/JPEG/Figure%2007.jpg pipeline drawings
Sunny day	http://www.water.ca.gov/floodmgmt/dsmo/sab/drmsp/docs/Risk_Report_Section_9_Final.pdf

failures-drms	see page 8 http://www.water.ca.gov/floodmgmt/docs/DeltaLeveeFailures_FMA_200709.pdf negative pr http://www.recordnet.com/apps/pbcs.dll/article?AID=/20090603/A_NEWS/906030322
2009 summary	http://www.water.ca.gov/pubs/waterquality/municipal_wq_investigations/mwqi_reports/jones_tract_flood_water_quality_investigations/ionestruct072009_rev1.pdf http://www.waterplan.water.ca.gov/docs/cwpu2009/1208prd/vol3/appendices/3-RR_Delta_PRDappendixA&B.pdf
2010	http://www.slc.ca.gov/division_pages/depdm/depdm_programs_and_reports/pg_e_line_57c/JPEG/Figure%2010.jpg
	http://www.water.ca.gov/floodmgmt/dsmo/sab/drmsp/docs/CALFED_ROD_Levee_Plan.pdf seismic http://www.water.ca.gov/floodmgmt/docs/map_sac_sj_schematic.pdf http://www.water.ca.gov/floodmgmt/docs/map_fld_ctrl_prjagns.pdf

Draft by N. Suard for review of Delta Flood history