_	121°34'0"W	121°33'0"W	121°32'0"W	121°31'0"W	121°30'0"W	121°29'0"W	121°28'0"W	121°27'0"W	121°26'("W 121°25'0"W	121°24'0"W	121°23'0"W	121°22'0"W	V 12 ⁻	1°21'0"W
									-						
7°57'0"N	Dryland Levees Stark Dryland Cross Levee Cross levee follows old slough Originally made by dredge wh worked along slough building substantial dryland structure for on Stark Tract on island. Wing Levee Dryland Cross I Narrow, sandy, considerable so has been surveyed and has e waters from areas to the east maintenance actions to improv Kidd Dryland Cross Levee	Special Considerations In from eastern end of Grant Line Cat hich moved to slough through Grant levee. Extended ponds still parallel for holding flood waters following fail Levee squirrel holes and other rodent active elevation to potentially, and at least to to south of Undine Road. District considered by potential performance of this level	anal to Old River. Line Canal and I levee. Most lure of primary levees vity. Levee, however, temporarily, hold flood isidering low cost ee.	 1872-78 First levees built aro upper half of Woodw which were set back 1878 Flood in 1878 flooder built eastern (Tracy Canal) cross levees two-thirds of Union f 1882 Reclaimed eastern t date uncertain, prop (shown on map) and eastern portion of Ut town no longer exist be connected with p 1885 Grant Line Canal an Fabian Tract and Vie which parallelo Crant 	Flood Fight History bund Union Island which included Victoria, I ward Island at that time. Innovative large les 200' or more from river with straight levee ed portions of Union Island. Owner Genera Dryland Cross Levee on map) and souther (Grant Line Canal did not exist) to protect from breaks on Old River. These were finis third of Union Island. Sometime after this r berty owners built Wing Levee Dryland Cross d Kidd Dryland Cross Levee (shown on ma nion Island which contained the old town o its. The Kidd Dryland Cross Levee in partic protecting the town of Undine.	Fabian, and evees built e lines. al Williams fm (Grant Line in northwest ished in 1880. reclamation, ress Levee ap) to protect of Undine. This cular seems to s" separating nd Bell Canal	Communication Field Command Posts RD 1 Delta Island Elementary School Howard Rd RD 2 Kings Crown Packing Inc., 1160 Court Rd RD 2089 S. Wing Levee Road Communications Equipment The District does not own communications equipment Internal Communications Means of internal communications among dist cellular telephones. Telephone numbers will b time of activation.	tions Plan I, 121°26'47.74"W 37°50'59.46"N D5 Clifton 121°27'14.69"W 37°50'37.64"N 121°24'15.59"W 37°49'06.30"N uipment. trict staff and levee patrols will be personal e assigned for response functions at the		Survey Informat Basis of Coordinates and Elevations - Union Island F Bearings and Distances shown are based on the No 83) converted to the California Coordinate System of referenced by available NGS published control monu- multiplied by the inverse of a combined scale factor Elevations shown are based on the National Geodet 29) as referenced by published benchmarks and hav adding +2.6. Units shown are based on the U.S. Sur Basis of Coordinates and Elevations - Stark Tract RI Bearings and Distances shown are based on the No (NAD83) converted to the California Coordinate Syster ferenced by available NGS published control monu- be multiplied by 1.00006554 (csf) to obtain ground d based on the National Geodetic Vertical Datum of 19 available NGS and local published benchmarks and by adding +2.6. Units shown are based on the U.S. Sur-	tion <u>RD 1 and 2</u> orth American Datum of 1983 (NAD of 1983, Zone 3 (CCS83-III) as uments. Grid distances must be to obtain ground distances. tic Vertical Datum of 1929 (NGVD ve been converted to NAVD88 by rvey Foot, Epoch date 1997.30. <u>D 2089</u> orth American Datum of 1983 stem of 1983, Zone 3 (CCS83-III) as uments. Grid distances shown must distances. elevations shown are 929 (NGVD 29) as referenced by have been converted to NAVD88 Survey Foot. Epoch date 2002.86.	HO	SACR.	N A MENTO UIN DEILI	37°57'0"
∕°56'0"N •	Small cross levee probably pla portion of Union Island from a longer exists). Not high or sul Tract or from primary levee fai Defense of this levee is not ar Tracy Boulevard Dryland Cr Stretch south of Howard Road top. Stretch north of Howard Road compaction. Gap in levee at H be rapidly filled. Approximate "Howard Road Gap" in the Tra- survey in December 2007). P shown in red are lower than th Burns Relief Cut. The Tracy B feet in some areas to at least	laced to prevent movement of floodw a break in RD#2 and to protect old to ubstantial enough to hold floodwaters ailure on eastern portion of Reclamat in option for current flood scenarios. ross Levee d is substantial and well packed due Road is higher but has more squirre Howard Road and Tracy Boulevard ely 500± cubic yards of material will b racy Boulevard dryland cross levee (Please note: Portions of the Tracy Bo the approximate 100-year water surfa Boulevard dryland levee will have to the approximate 100-year water surfa	waters into eastern own of Undine (no s coming from Stark tion District #1. e with road running on el holes and less junction. Gap could be needed to fill the (based upon a field oulevard dryland levee face elevation at the o be raised up to 2.5± rface elevation of 11.6±	 which parallels Granseparately. 1890 Large snow melt floo Line Canal in Reclar Union Island. Later another 8,000 acres 1894-97 Union Island relevee for current levees wi elevations. 1907 Destructive flood trig persistent, intermitte beginning about Ma Western half of Unio Eabien Victoria approximation 	od on San Joaquin River broke the north le mation District #1 and flooded 8,000 acres in the month the Middle River levee failed a ed on a larger scale by General Thomas cru ith good to very good freeboard for 100-yea ggered by storm system affected Pacific Co ently heavy, warm precipitation for several of rch 15. San Joaquin River fully occupied it on Island (Reclamation District #2) flooded	mpleted evee of Grant s of eastern flooding reating basis ear flood oast with days its floodplain. with adjacent	Communications with outside Jurisdictions Primary means of communications with outsid telephones. Secondary means of communicat Unified Flood Fight Command meetings. Communication Fight Command meetings.	e jurisdictions will be personal cellular ions will be attendance at Central Delta		Basis of Elevations 100 Year Flood: 1992 USACE Sacramento – San Joaqu (Converted to NAVD88). Contours: 2007 DWR LiDAR Data. Survey Data The survey points provided for RD 1 (Union Island E 2001, RD 2 (Union Island West) were surveyed on J Tract) were surveyed on June 14, 2006 by KSN, Inc were recorded by GPS RTK, from established site co districts are based on the NGVD 29 elevation and ha	East) were surveyed on July 25, July 13, 2001, and RD 2089 (Stark c. Horizontal and vertical positions control points. All three of the ave been converted to NAVD88.		0 2, F 1 inch =	500 5,000 eet 2,000 fee) t - 37°56'0"
7°55'0"N	feet. <u>Union Island Pumping Station</u> All existing pumping stations s do not own any pumping static capacity may require diesel pu <u>Access to Coney Island</u> Only ground access to Coney flooding of RD#2, an emergen with flood fight supplies and of Regional High Voltage Power	ns shown are privately owned and not f ions. Location for placement of eme oumps due to lack of power lines into y Island is through Reclamation Distr ncy access plan would be needed to other emergency needs. r Lines	flood proofed. Districts ergency pumping o area. rict #2. In the event of o provide Coney Island	 1997 Heavy rains during p stage of more than 3 Joaquin River flows held at 8,000 cfs. E cfs which caused a o morning of January join overflowed sma eroded south levee o prevent failure. Area 	eastern side of Union Island (Reclamation d to have flooded. Dredge reportedly rode bian Tract north of Tracy. Deriod of December 30th to January 2nd ca 34' at Vernalis gauge on San Joaquin River estimated at over 70,000 cfs. Stanislaus F Emergency releases at Don Pedro Dam rea dramatic surge in San Joaquin River stage 4, 1997. High flows where Paradise Cut at Il islands at Salmon Slough and heavily imp on Union Island as shown on map. Rock p as of heavy seepage on southeast side of	aused river er. San River flows ached 60,000 es by early and Old River ppinged and placed to Island. Union	alerts. Patrol meets at command post shown personnel to maintain extended patrol. Recla because of mutual exposure from failure in RI personal cellular telephones. <u>Reclamation District 2</u> Superintendent Michael Yoder coordinates pa water alerts. Patrol members meet at comma enough personnel to maintain extended patro cellular telephones. <u>Reclamation District 2089</u> Kent Gikas, or appointed District Incident Com	District anticipates having enough mation District #2 supports RD#1 patrol D#1. Communications will be with atrol schedules and sectors upon high and post shown. District anticipates having bl. Communications will be with personal		OH OH ision	or		Time/Date of S Map \	Start of Incident	t
	Western Area Power Administ station for Delta Mendota Can stop federal pumps. Regional Loss of this transmission route electrical power supply. <u>Tracy Boulevard Grant Canal</u> During high flows Tracy Boule dam due to the fact that a bern begins at this point. Bridge an buildup of debris which can ca	stration High Voltage Power Lines feanal. Loss of these lines in a flood of al P.G.&E. High Voltage Power Lines te in a flood of Union Island would ha <u>I Bridge Debris Dam</u> evard bridge at southern end of Unio rm separating Grant Line Canal and nd berm break and divert the water fl eause flood waters to back up east of	eed Federal pumping f Union Island would s run through district. ave regional impact on on Island acts as debris f Fabian and Bell Canal flow allowing the f bridge.	Island and Stark Tra 2006 Spring flood occurre culminating in very h stage at Vernalis, co event, initiated a larg appear and recalcula a subsequent peak s experienced on Unit	act did not flood. ed on San Joaquin River due to heavy rains neavy rainfall on April 2nd-4th. Initial predic ombined with forecast for an additional larg ge flood fight operation. Failure of precipita ation of hydrological data lowered stage pr stage of 29.4' at Vernalis. No levee failures on Island or Stark Tract.	s in March ictions of 32' ge precipitation ration event to redictions with es were	RD 1, RD 2, RD 2089 Tidal Triggers Venice Island Gauge will be used to monitor to inspections at EL=8.0'. Initiate 24 hour continue Riverine Triggers Mossdale Gauge will be used to monitor river EL=19.5'. Initiate 24 hour continuous patrol at	due to mutual exposure in the event of s will be with personal cellular telephones. idal conditions. Initiate periodic levee uous levee patrols at EL=9.0'. conditions. Initiate daily patrol at t EL=21.5'.	OH	PCSH HORSON	RECLAN DISTRIC MIDDLE ROBE	ATION CT 524 RTS ISLAND		Legend 100 Year Flood Ele B Logistics Base DP Delivery Point S Supply Staging Are Image: Ima	evation

