

**APPENDIX J**  
**TASK 2 DELIVERABLES**



	DATA DESCRIPTION AND CODING			SURVEY TYPE/ DATA COLLECTION
	INDICATOR	COMPONENT OF INDICATOR	INDICATOR SPECIFICS	
PHYSICAL VULNERABILITY	<b>Physical vulnerability of water system</b>			
	# of Active Wells	1 well = red		WQM
		2 wells = yellow		
		3 or more wells = green		
	Network distribution	Non-looped		Quick Survey
		Looped		Quick Survey
		Dead ends present?		Quick Survey
	Pipe quality	Very Old/Leaky		CWS Survey or DPH
		Somewhat old/Leaky		
		New/non-leaky		
	Well source protection (Protection of Infrastructure)	min 50 ft seals		CWS Survey or DPH
		min setbacks		CWS Survey or DPH
		flood protection (min 18" above grade)		CWS Survey or DPH
		metered wells		CWS Survey or DPH
	Age of water system			CWS Survey or DPH
	Age of wells			CWS Survey or DPH
	<b>Reliance on potentially risky alternative sources of drinking water (Vulnerability of alternative interim water supply/solutions)</b>			
	Does x% of community rely on:	Vended water		CWS Survey or DPH
		Bottled water		
		Free filling station		
Trucked				
"unplanned POU"/haphazard/non-reliable (e.g. sink)				
"unplanned POE"				
Doesn't rely on any of these				

	DATA DESCRIPTION AND CODING			SURVEY TYPE/ DATA COLLECTION
	INDICATOR	COMPONENT OF INDICATOR	INDICATOR SPECIFICS	
PHYSICAL VULNERABILITY	Does the water system endorse:	Vended water		Quick Survey
		Bottled water		Quick Survey
		Free filling station		Quick Survey
		Trucked		Quick Survey
		"unplanned POU"/haphazard/non-reliable (e.g. sink)		Quick Survey
		"unplanned POE"		Quick Survey
		Doesn't rely on any of these		Quick Survey
WATER QUALITY	<b>Groundwater quality</b>			
	Did system exceed any Primary MCLs in past 3 years (2008-10)? (RED)	Is average (as per DPH calculation) over the MCL for the following contaminants =red	Total coliform: TCR Violation	PICME
			Nitrate > 45 mg/L	WQM
			Arsenic > 10 ppb	WQM
			Uranium >20 pCi/L	WQM
			Organics (TCE, DBCP, Perchlorate >6)	WQM
			Fluoride >2 mg/L	WQM
			THMs	WQM
			OTHER MCL VIOL? (Benzene)	PICME
	Persistence of Problem	Exceeding for one of above contaminants for >1 compliance period or an MCL violation for >1 compliance period		WQM
Did system exceed a secondary standard (iron/manganese; color/turbidity; TDS/EC; Odor)= yellow		MCL violation for this?	PICME	
Non exceedance of any standard=green				

	DATA DESCRIPTION AND CODING			SURVEY TYPE/ DATA COLLECTION	
	INDICATOR	COMPONENT OF INDICATOR	INDICATOR SPECIFICS		
WATER QUALITY	Difficulty of Treating/Treatability of GW	**Salts=red [if you violate TDS or EC, that means salts problem, using PICME]		PICME	
		**Nitrate=red			
		**Arsenic=red (not as red as the above 2)			
		**Uranium=red (not as red as the first two)			
		*Fluoride=yellow			
		**Organics (fairly simple)=yellow			
		**Coliform=yellow			
	<b>Source water quality</b>				
	Surface water quality	*Violation of Surface Water Treatment Rule=red [is an indicator that the infrastructure-- MOVE UP TO PHYSICAL VULNERABILITY)		PICME	
		*meeting the SWTR=green			
		Turbidity MCL VIOLATION=red		PICME	
		Disinfection-by-Product (THMS, haloacetic acids) - if detect THMS = red		PICME/WQM (Cb consult with TS)	

	DATA DESCRIPTION AND CODING			SURVEY TYPE/ DATA COLLECTION
	INDICATOR	COMPONENT OF INDICATOR	INDICATOR SPECIFICS	
WATER QUALITY	Ability to Treat/Treatability of SW (by definition it has to be treated)	*CA Aqueduct water=yellow [westside canals]		Quick Survey
		*Delta Mendota=yellow [westside canals]		Quick Survey
		*Friant-Kern Canal and/or sierra snowmelt rivers=green [eastside sources]		Quick Survey
SUPPLY	<b>Adequate Groundwater Supply</b>			
	Well capacity [Engineers call DPH regional/district engineer and follow up with water system if needed if time allows]	Is there adequate supply in peak month (e.g. July/August)		Quick Survey
	Adequacy of Monthly/Seasonal Supply	**annual production >= annual per capita demand		CWS Survey or DPH
	Adequacy of Daily Supply (storage through the day)	**Does Max daily usage= max daily supply ==green		CWS Survey or DPH
	Adequacy of Instantaneous supply (can you fight fire & serve customers)	**Low pressure operation (i.e. >25 psi )=red		CWS Survey or DPH
	Adequate storage capacity			
	<b>Adequate SW Supply</b>			
	Physical Availability of Source & Transmission	Proximity to Aqueduct/Canal/River: GAVIN TO DO: 1)make a map with communities & sources		Quick Survey
		**presence within 1 mile = green		Quick Survey
		** presence within >1-3 miles=yellow		Quick Survey
**>3 miles= red			Quick Survey	

	DATA DESCRIPTION AND CODING			SURVEY TYPE/ DATA COLLECTION
	INDICATOR	COMPONENT OF INDICATOR	INDICATOR SPECIFICS	
SUPPLY	Contract Availability	* Is contract existing & year-round supply available= green		Quick Survey
		* Possibility of obtaining contract=yellow		
		*Not possible =red		
	Adequate storage capacity			
INSTITUTIONAL AND TMF CAPACITY	Adequacy of management (look @ how TMF is defined)	*Is management professionally managed and certified=green		CWS Survey or DPH
		*only composed of community volunteers=red		
		*only composed of community volunteers=red		CWS Survey or DPH
	<b>Inadequate or unaffordable funding/lack of public support or political will</b>			
		*Has system gotten county-level funding		
	*Has system gotten state-level funding			
O & M	<b>Quality of Operations &amp; Maintenance (Lack of TMF Capacity/Inability to fund O&amp;M)</b>			
	Total # of employees?			CWS Survey or DPH
	Presence of regular/paid employees=green			CWS Survey or DPH
	Volunteer employees=yellow/red			CWS Survey or DPH
	Presence of certified operators (D or T)=green			CWS Survey or DPH
	Contracted operator with adequate response time=green			CWS Survey or DPH
	Presence of replacement program(of pipes)=green			CWS Survey or DPH
	Adequate Rate base (unlikely to get...wish list)			CWS Survey or DPH

	DATA DESCRIPTION AND CODING			SURVEY TYPE/ DATA COLLECTION
	INDICATOR	COMPONENT OF INDICATOR	INDICATOR SPECIFICS	
FINANCE	<b>Financial Capacity of Water System (Lack of TMF Capacity)</b>			
	Ability to Fund Capital			CWS Survey or DPH
	Ability to Fund Operation & Maintenance			CWS Survey or DPH
	Available Outside Funding			CWS Survey or DPH
	Rate affordability from system perspective (are they ok with the rate structure)	**Are rates <1.5% of median household income=green (because they have room to raise rates if necessary) **Are rates >1.5%=red		Quick Survey
	<b>Rate affordability from customer perspective (Inability to fund increasingly expensive O&amp;M)</b>			
	**Are rates <1.5% of median household income=green (because they have room to raise rates if necessary) **Are rates >1.5%=red			CWS Survey or DPH
SETTING	<b>COMMUNITY SELECTION</b>			
	Community System Types			Gavin
	CWS or Private Well (??) system (i.e. private well owners)	Does it have a CWS system no or not		Gavin
	DAC status			Gavin
	Geographic location (e.g. valley, foothills, mountains)			CB
	Water system type (e.g. labor camp, mobile home, CWS, PUD, etc)			Gavin
	Governance type/governing body (e.g. CSD etc)	Inadequate accountability to DAC residents by providers		CB has
	Ownership type			CB has
	Proximity to another small community			UCD Nitrate?
	Proximity to a city			UCD Nitrate?



	DATA DESCRIPTION AND CODING			SURVEY TYPE/ DATA COLLECTION
	INDICATOR	COMPONENT OF INDICATOR	INDICATOR SPECIFICS	
SETTING	Regulating entity (DPH database)			WQM
	Population served			WQM
	County			WQM
	IRWMP			Gavin
	Does system serve a school?			CB could calculate
	Water source type			CB has
WASTEWATER	<b>State of Collection System</b>			
	**Excessive Inflow or infiltration (I&I) [Are you <120 pcd=green. =Flow in MGD gallons*1million/Population. We have flow "Dry Weather Present Flow Column" which we'll use as flow. This is a fuzzy indicator] Sewer Overflows = Red			Gavin calculate
	Condition of facilities (includes everything), hoping regional board can do this	*Good, **Fair **Poor		Quick Survey
	**Reserve capacity= Is "Present % of Permitted Flow DW (%)" , if 80-100%=yellow, if >100%=red, if <80%=green.			Gavin calculate
	<b>Compliance with discharge requirements</b>			
# of violations in last three Fiscal Years 0=green, 1-30 = yellow, 31 or more = red	*JD & TS define how to measure and tell Carolina & Gavin [in the Full TLB list, this data is in there], discuss with Gavin		Gavin calculate	

	DATA DESCRIPTION AND CODING			SURVEY TYPE/ DATA COLLECTION
	INDICATOR	COMPONENT OF INDICATOR	INDICATOR SPECIFICS	
	<b>Quality of Operation and Maintenance</b>			
<b>WASTEWATER</b>	# of employees			CWS Survey or DPH
	**Presence of regular/paid employees=green			CWS Survey or DPH
	**Volunteer employees=yellow/red			CWS Survey or DPH
	**Presence of certified operators (D or T)=green			CWS Survey or DPH
	**Contracted operator with adequate response time=green			CWS Survey or DPH
	**Presence of replacement program(of pipes)=green			CWS Survey or DPH
	**Adequate Rate base (unlikely to get...wish list)			CWS Survey or DPH
<b>OTHER</b>	Segregated community development			
	Lack of informed, empowered, engaged residents			
	Lack of information on DACs			
	Lack of vision and integrated planning to develop sustainable solutions			
	Inadequate accountability to DAC residents by Water or Wastewater			

**NORTHERN TULARE COUNTY - DATA & RESEARCH SUMMARY**

NAME	SYSTEM_ID	SYSTM_NAME	MHI_2010	TYPE_2010	Srce2010	H2O_prob	WW_prob	SepticSys	HouseH	PopEst
DELFT COLONY	5403023	DELFT COLONY WATER	\$50,278	SDAC	SfHlp	YES	YES		99	400
EAST OROSI	5401003	EAST OROSI C.S.D.	\$26,163	SDAC	SfHlp	YES	YES		700	106
EL MONTE VILLAGE M.H.P.	5400523	EL MONTE VILLAGE M.H.P.	\$68,250	NOT DAC	SfHlp	YES			49	100
GLEANINGS FOR THE HUNGRY	5402047	GLEANINGS FOR THE HUNGRY	\$42,321	DAC	SfHlp	YES		YES	12	31
GRIGGS STREET	5400590	GRIGGS STREET	\$45,485	DAC	GIS Blk Grp				0	28
KINGS RIVER ESTATES	5400536	KINGS RIVER ESTATES	\$73,529	NOT DAC	SfHlp				35	100
LONDON	5410017	London Community Serv Dist	\$38,701	DAC	SfHlp	YES	YES		432	1638
NORSEMAN M.H.P.	5400545	NORSEMAN M.H.P.	\$73,529	NOT DAC	SfHlp				31	70
SEVILLE	5400550	SEVILLE WATER CO.	\$45,536	SDAC	SfHlp	YES	YES		77	400
SULTANA	5400824	SULTANA C.S.D.	\$42,321	DAC	SfHlp	YES	YES		180	650
TRAVER	5400553	TRAVER WATER LLC	\$37,212	DAC	SfHlp	YES	YES		180	500
WESTERN SKY M.H.P.	5400554	WESTERN SKY M.H.P.	\$45,485	DAC	GIS Blk Grp			YES	54	108
TAFOYA WATER SYSTEM	5400706	TAFOYA WATER SYSTEM	\$38,612	DAC	GIS Blk Grp				0	1
FAIRWAY MUTUAL WATER CO	5403084	FAIRWAY MUTUAL WATER CO	\$73,529	NOT DAC	SfHlp				20	53
2512			\$50,096	DAC	SfHlp P&P				0	16
MONSON			\$39,375	SDAC	SfHlp	YES		YES	40	40
YETTEM	5403043	YETTEM	\$37,311	DAC	SfHlp	YES	YES		64	350
OROSI	5410008	Orosi Public Utility District	\$34,394	SDAC	SfHlp	YES	YES		1870	7318
CUTLER	5410001	Cutler PUD	\$31,105	SDAC	SfHlp	YES	YES		1197	6300
LOPEZ LABOR CAMP	5400546	LOPEZ LABOR CAMP	\$37,311	DAC	SfHlp				25	50
EL MONTE SCHOOL		41465 Road 127,Orosi		SCHOOL						
GRAND VIEW SCHOOL		39746 Road 64,Dinuba		SCHOOL						
LOVELL SCHOOL		12724 Road 392,Cutler		SCHOOL						
PALM SCHOOL		12915 Avenue 419,Orosi		SCHOOL						
OROSI HIGH SCHOOL		41815 Road 128,Orosi		SCHOOL						
CUTLER ELEM SCHOOL		49532 Road 128,Cutler		SCHOOL						
MONSON-SULTANA ELEM SCHOOL		10643 Avenue 416,Sultana		SCHOOL						
STONE CORRAL ELEM SCHOOL		15590 Ave 383,Visalia		SCHOOL						
TRAVER JOINT ELEM SCHOOL		36736 Canal Drive,Traver		SCHOOL						
DINUBA				CITY						21950

**FRESNO/CLOVIS AND SURROUNDING AREAS - DATA & RESEARCH SUMMARY**

NAME	SYSTEM_ID	SYSTM_NAME	MHI_2010	TYPE_2010	Srce2010	H2O_prob	WW_prob	SepticSys	HouseH	PopEst
BELMONT WATER CORPORATION	1000004	BELMONT WATER CORPORATION	\$72,308	NOT DAC	SfHlp				46	86
SUNNYSIDE CONVALESCENT HOSP	1000366	SUNNYSIDE CONVALESCENT HOSP	\$33,359	SDAC	SfHlp	YES			3	116
COUNTRY VIEW ALZHEIMER CENTER	1000430	COUNTRY VIEW ALZHEIMER CENTER	\$44,821	DAC	SfHlp				2	100
WATERTEK-METROPOLITAN	1000057	WATERTEK-METROPOLITAN	\$17,667	SDAC	SfHlp				29	60
WESTBROOK MOBILE HOME PARK	1000239	@WESTBROOK MOBILE HOME PARK	\$49,511	NOT DAC	GIS Blk Grp				0	50
ALHAMBRA 1 MOBILE HOME PARK	1000297	ALHAMBRA 1 MOBILE HOME PARK	\$35,572	SDAC	GIS Blk Grp				0	50
MILLBROOK MOBILE HOME VILLAGE	1000335	MILLBROOK MOBILE HOME VILLAGE	\$38,809	DAC	GIS Blk Grp				0	50
NEW HORIZONS MOBILE/RV PARK	1000259	NEW HORIZONS MOBILE/RV PARK	\$48,372	NOT DAC	SfHlp P&P				64	200
SHADY ACRE TRAILER PARK	1000246	SHADY ACRE TRAILER PARK	\$34,273	SDAC	GIS Blk Grp				0	50
SIERRA MOBILE HOME PARK	1000252	SIERRA MOBILE HOME PARK	\$42,659	NOT DAC	SfHlp				128	250
THREE PALMS MOBILEHOME PARK	1000299	THREE PALMS MOBILEHOME PARK	\$30,104	DAC	SfHlp	YES			101	202
TODD'S TRAILER COURT	1000242	TODD'S TRAILER COURT	\$34,273	SDAC	GIS Blk Grp				0	50
WOODWARD BLUFFS MHP	1000298	WOODWARD BLUFFS MHP	\$43,625	DAC	SfHlp		YES		167	300
HERNDON WATER COMPANY	1000048	HERNDON WATER COMPANY	\$76,364	NOT DAC	SfHlp			YES	76	260
WILLIAM HOPKINS WATER SYSTEM	1000354	WILLIAM HOPKINS WATER SYSTEM	\$44,909	DAC	GIS Blk Grp				12	25
BAKMAN WATER COMPANY	1010001	BAKMAN WATER COMPANY	\$0		GIS Blk Grp	YES			0	2500
MALAGA	1010042	MALAGA COUNTY WATER DISTRICT	\$33,092	DAC	SfHlp	YES	YES		448	448
PARKLAND A.G.	1010054	PARKLAND A.G.	\$25,000	SDAC	GIS Blk Grp				0	13
EASTON ESTATES WATER COMPANY	1000018	EASTON ESTATES WATER COMPANY	\$39,213	DAC	SfHlp				106	371
ELM COURT	1000277	ELM COURT	\$29,063	SDAC	SfHlp				14	40
GREEN ACRES MOBILE HOME ESTATE	1000229	GREEN ACRES MOBILE HOME ESTATE	\$38,720	DAC	SfHlp				112	300
BELMONT MANOR	1000023	FCSA #14/BELMONT MANOR	\$72,308	NOT DAC	SfHlp				41	103
MONTE VERDI	1000550	FCSA #44D-MONTE VERDI	\$40,395	DAC	GIS Blk Grp				125	500
FCSA #10A-MANSIONETTE ESTATES	1000554	FCSA #10A-MANSIONETTE ESTATES	\$105,500	NOT DAC	SfHlp				29	58
PINEDALE	1010026	PINEDALE COUNTY WATER DISTRICT	\$0		GIS Blk Grp				0	3000
CENTENNIAL APARTMENTS	1000380	CENTENNIAL APARTMENTS	\$37,371	DAC	GIS Blk Grp				0	100
HACIENDA	1000491	HACIENDA	\$24,809	SDAC	GIS Blk Grp				0	2
SHADY LAKES MOBILE HOME PARK	1000244	SHADY LAKES MOBILE HOME PARK	\$28,971	DAC	SfHlp				56	130
FCWWD #42	1000078	FCWWD #42	\$76,748	NOT DAC	GIS Blk Grp	YES			103	257
GOLDEN STATE TRAILER PARK	1000241	GOLDEN STATE TRAILER PARK	\$24,809	SDAC	GIS Blk Grp				0	50
THE WILLOWS	1000342	THE WILLOWS	\$47,471	DAC	GIS Blk Grp				0	10
CLOVER MOBILE HOME PARK	1000458	CLOVER MOBILE HOME PARK	\$23,003	SDAC	GIS Blk Grp				0	50
WEST MCKINLEY WATER SYSTEM	1000077	WEST MCKINLEY WATER SYSTEM	\$69,517	NOT DAC	GIS Blk Grp				0	40
SUNSET WEST MOBILE HOME PARK	1000378	SUNSET WEST MOBILE HOME PARK	\$38,720	DAC	SfHlp				162	239
168			\$29,448	SDAC	SfHlp P&P				0	35
152			\$34,273	SDAC	SfHlp P&P				0	35
196			\$32,102	SDAC	SfHlp P&P				0	35
191			\$32,102	SDAC	SfHlp P&P				0	35
197			\$18,364	SDAC	SfHlp P&P				0	35
192			\$18,364	SDAC	SfHlp P&P				0	35
180			\$50,528	SDAC	SfHlp P&P				0	35
EASTON			\$40,426	DAC	SfHlp	YES		YES	623	623
WEST PARK	1000471	FCSA #39 A&B	\$44,444	DAC	SfHlp				63	158

**FRESNO/CLOVIS AND SURROUNDING AREAS - DATA & RESEARCH SUMMARY**

NAME	SYSTEM_ID	SYSTM_NAME	MHI_2010	TYPE_2010	Srce2010	H2O_prob	WW_prob	SepticSys	HouseH	PopEst
BERAN WAY	1000471	FCSA #39 A&B	\$38,036	DAC	SlfHlp				63	158
CALWA			\$25,733	DAC	SlfHlp				227	227
MAYFAIR		CITY FRESNO	\$38,826		GIS Blk Grp				0	1300
OLD FIG GARDEN		CITY FRESNO	\$45,591	DAC	GIS Blk Grp				0	290
MANSIONETTE ESTATES	1000554	FCSA #10A-MANSIONETTE ESTATES	\$86,214	NOT DAC	SlfHlp				29	58
SUNNYSIDE			\$100,000	NOT DAC	GIS Blk Grp				0	120
TARPEY VILLAGE			\$77,250	NOT DAC	SlfHlp				0	300
Malaga Elementary		3910 S Ward Ave, Fresno, CA 93725		SCHOOL						
Bullard Talent Project Elementary		4750 N Harrison Ave, Fresno, CA 93704		SCHOOL						
NorthStar High School Academy		3224 W Central Ave, Fresno, CA 93706		SCHOOL						
Powers-Ginsburg Elementary		110 E Swift Ave, Fresno, CA 93704		SCHOOL						
Cornerstone Christian		6917 E Clinton Ave, Fresno, CA 93727		SCHOOL						
Kinder Academy		4545 N Palm Ave, Fresno, CA 93704		SCHOOL						
San Joaquin Academy		420 E Pontiac Way, Fresno, CA 93704		SCHOOL						
Sunnyside Christian Academy		5885 E Rancho Dr, Fresno, CA 93727		SCHOOL						
Sunnyside Christian Academy		1919 S Bundy Dr, Fresno, CA 93727		SCHOOL						
American Elementary		2801 W Adams Ave, Fresno, CA 93706		SCHOOL						
Herndon-Barstow Elementary		6265 N Grantland Ave, Fresno, CA 93723		SCHOOL						
Houghton-Kearney Elementary		8905 W Kearney Blvd, Fresno, CA 93706		SCHOOL						
Madison Elementary		330 S Brawley Ave, Fresno, CA 93706		SCHOOL						
McKinley Elementary		4444 W McKinley Ave, Fresno, CA 93722		SCHOOL						
Roosevelt Elementary		2600 N Garfield Ave, Fresno, CA 93723		SCHOOL						
Temperance-Kutner Elementary		1448 N Armstrong Ave, Fresno, CA 93727		SCHOOL						
Lone Star Elementary		2617 S Fowler Ave, Fresno, CA 93725		SCHOOL						
Wash (John S.) Elementary		6350 E Lane Ave, Fresno, CA 93727		SCHOOL						
Washington Colony Elementary		130 E Lincoln Ave, Fresno, CA 93706		SCHOOL						
Easton Continuation High		5865 S Clara Ave, Fresno, CA 93706		SCHOOL						
Washington High		6041 S Elm Ave, Fresno, CA 93706		SCHOOL						
West Park Charter Academy		2695 S Valentine Ave, Fresno, CA 93706		SCHOOL						
West Park Elementary		2695 S Valentine Ave, Fresno, CA 93706		SCHOOL						
Wawona Middle		4524 N Thorne Ave, Fresno, CA 93704		SCHOOL						
Bakman Elementary		580 N Helm Ave, Fresno, CA 93727		SCHOOL						
Riverview Elementary		2491 E Behymer Ave, Fresno, CA 93619		SCHOOL						
Orange Center Elementary		3530 S Cherry Ave, Fresno, CA 93706		SCHOOL						
FRESNO				CITY						500,121
CLOVIS				CITY						97,218

**WESTERN FRESNO COUNTY - DATA & RESEARCH SUMMARY**

NAME	SYSTEM_ID	SYSTM_NAME	MHI_2010	TYPE_2010	Src2010	H2O_prob	WW_prob	SepticSys	HouseH	PopEst
BAR 20 PARTNER	1000079	BAR 20 PARTNER	\$35,000	SDAC	GIS Blk Grp	YES			15	60
VALLEY CARE AND GUIDANCE	1000200	VALLEY CARE AND GUIDANCE	\$39,770	DAC	GIS Blk Grp				1	158
DOUBLE L MOBILE RANCH PARK	1000248	DOUBLE L MOBILE RANCH PARK	\$29,333	SDAC	SlfHlp	YES			37	80
RIVERDALE	1010028	Riverdale Public Utility District	\$39,555	DAC	SlfHlp	YES	YES		930	3000
RAISIN CITY	1000551	FCSA #43/RAISIN CITY	\$13,056	SDAC	SlfHlp			YES	15	25
LINDA VISTA FARMS	1000445	LINDA VISTA FARMS	\$26,300	SDAC	GIS Blk Grp	YES			26	40
MADDOX DAIRY	1009177	MADDOX DAIRY	\$31,543	SDAC	GIS Blk Grp				0	3
FRED RAU DAIRY	1009120	FRED RAU DAIRY	\$34,402	SDAC	GIS Blk Grp	YES			24	80
BIOLA	1010049	Biola Community Services Dist	\$36,094	SDAC	SlfHlp		YES		250	1200
CARUTHERS	1010039	Caruthers Comm Serv Dist	\$41,731	DAC	SlfHlp	YES	YES		672	2103
LANARE	1000053	LANARE COMMUNITY SERVICES DIST	\$36,806	DAC	SlfHlp	YES		YES	120	300
TRANQUILLITY	1010030	TRANQUILLITY	\$24,352	DAC	SlfHlp	YES	YES		326	820
DATE STREET			\$29,333	SDAC	SlfHlp			YES	22	22
ALKALI FLATS			\$28,238	DAC	SlfHlp P&P			YES	0	100
PERRY COLONY			\$28,889	DAC	SlfHlp			YES	50	50
BURREL			\$34,271	DAC	SlfHlp			YES	16	16
235			\$36,566	DAC	GIS Blk Grp				0	35
KAMM RANCH COMPANY	1009143	KAMM RANCH COMPANY	\$34,402	SDAC	GIS Blk Grp				0	1
RUBYS VALLEY CARE HOME	1000200	RUBYS VALLEY CARE HOME	\$41,118	DAC	SlfHlp				1	158
SHASTA MOBILE HOME PARK	1000263	SHASTA MOBILE HOME PARK	\$35,000	SDAC	GIS Blk Grp				12	20
Bethel Christian Academy		3465 W Kamm Ave, Caruthers, CA 93609		SCHOOL						
Central Valley Christian Molok		16201 W Olive Ave, Kerman, CA 93630		SCHOOL						
Alvina Elementary Charter		295 W Saginaw Ave, Caruthers, CA 93609		SCHOOL						
Burrel Elementary		16704 S Jameson Ave, Riverdale, CA 93656		SCHOOL						
Caruthers Elementary		S Quince Ave, Caruthers, CA 93609		SCHOOL						
Caruthers High		2580 W Tahoe St, Caruthers, CA 93609		SCHOOL						
Marc High		2580 W Tahoe St, Caruthers, CA 93609		SCHOOL						
Biola-Pershing Elementary		4885 N Biola Ave, Fresno, CA 93723		SCHOOL						
Central High West Campus		2045 N Dickenson Ave, Fresno, CA 93723		SCHOOL						
Pershing High (Cont.)		10950 W McKinley Ave, Fresno, CA 93723		SCHOOL						
Raisin City Elementary		6425 W Bowles Ave, Raisin City, CA 93652		SCHOOL						
Fipps Primary		21320 S Feland Ave, Riverdale, CA 93656		SCHOOL						
Horizon High		3021 W Kruger Ave, Riverdale, CA 93656		SCHOOL						
Riverdale Adult		3021 W Kruger Ave, Riverdale, CA 93656		SCHOOL						
Riverdale Community Day		3021 W Kruger Ave, Riverdale, CA 93656		SCHOOL						
Riverdale Elementary		3700 W Stathem St, Riverdale, CA 93656		SCHOOL						
Riverdale High		3086 W Mt Whitney Ave, Riverdale, CA 93656		SCHOOL						
Helm Elementary		13883 S Lassen Ave, Helm, CA 93627		SCHOOL						
Rio Dey Rey High (Cont.)		13871 S Lassen Ave, Helm, CA 93627		SCHOOL						
Tranquillity Elementary		6116 Daniels Ave, Tranquillity, CA 93668		SCHOOL						
Tranquillity High		6052 Juanche Ave, Tranquillity, CA 93668		SCHOOL						
Sun Empire Elementary		2649 N Modoc Ave, Kerman, CA 93630		SCHOOL						
KERMAN				CITY						13751
SAN JOAQUIN				CITY						4025

**EASTERN FRESNO COUNTY - DATA & RESEARCH SUMMARY**

NAME	SYSTEM_ID	SYSTM_NAME	MHI_2010	TYPE_2010	Srce2010	H2O_prob	WW_prob	SepticSys	HouseHolds	PopEst
ALICE MANOR	1000199	ALICE MANOR	\$50,372	NOT DAC	SfHlp	YES			1	46
GARDEN APARTMENTS	1000413	GARDEN APARTMENTS	\$68,403	NOT DAC	SfHlp	YES			10	35
SANDY POINT MOBILE HOME PARK	1000254	SANDY POINT MOBILE HOME PARK	\$88,490	NOT DAC	SfHlp		YES		36	90
SHERWOOD FOREST MHP	1000247	SHERWOOD FOREST MHP	\$69,201	NOT DAC	SfHlp	YES	YES		50	100
KINGS RIVER MOBILE HOME PARK	1000243	KINGS RIVER MOBILE HOME PARK	\$70,861	NOT DAC	GIS Blk Grp				0	50
MANNING GARDENS CONVALESCENT	1000324	MANNING GARDENS CONVALESCENT	\$49,896	NOT DAC	SfHlp	YES			1	59
TRACT 1199 WATER SYSTEM	1000075	TRACT 1199 WATER SYSTEM	\$54,474	NOT DAC	SfHlp	YES			13	39
RIVERBEND MOBILE HOME & RV PARK	1000426	RIVERBEND MOBILE HOME & RV PARK	\$67,198	NOT DAC	SfHlp P&P				46	200
KINGS PARK APARTMENTS	1000295	KINGS PARK APARTMENTS	\$26,635	SDAC	SfHlp				40	120
GEORGE COX WATER SYSTEM	1000407	GEORGE COX WATER SYSTEM	\$49,063	DAC	SfHlp				20	40
ZONNEVELD DAIRY	1000369	ZONNEVELD DAIRY	\$30,365	SDAC	GIS Blk Grp	YES			34	141
CUMORAH KNOLLS	1000039	FCSA #10/CUMORAH KNOLLS	\$100,850	NOT DAC	SfHlp				47	150
QUAIL LAKE ESTATES	1000029	Fresno CSA No. 47 (Quail Lake Estates)	\$82,962	NOT DAC	GIS Blk Grp				0	820
WILDWOOD ISLAND	1000021	FCSA #5/WILDWOOD ISLAND	\$69,201	NOT DAC	SfHlp	YES			126	65
CAMDEN TRAILER PARK	1000238	CAMDEN TRAILER PARK	\$83,214	SDAC	SfHlp	YES			25	100
DOYAL'S MOBILE HOME PARK	1000405	DOYAL'S MOBILE HOME PARK	\$35,000	SDAC	GIS Blk Grp	YES			15	22
CLARIN APARTMENTS	1000325	CLARIN APARTMENTS	\$30,602	SDAC	GIS Blk Grp				0	100
DEL REY	1010035	DEL REY COMMUNITY SERV DIST	\$43,281	DAC	SfHlp	YES	YES		240	240
204			\$27,192	SDAC	GIS Blk Grp				0	35
206			\$28,504	DAC	SfHlp P&P				0	35
173			\$38,339	DAC	GIS Blk Grp				0	35
190			\$35,651	DAC	SfHlp P&P				0	35
178			\$38,339	DAC	GIS Blk Grp				0	35
186			\$35,651	SDAC	SfHlp P&P				0	35
CENTERVILLE		FREEWATER COUNTY WD	\$88,490	SDAC	SfHlp				14	14
232			\$50,038	NOT DAC	GIS Blk Grp				0	35
236			\$33,613	DAC	SfHlp P&P				0	35
227			\$34,242	SDAC	SfHlp P&P				0	35
219			\$43,237	DAC	GIS Blk Grp				0	35
2489			\$42,194	DAC	GIS Blk Grp				0	35
216			\$32,276	SDAC	GIS Blk Grp				0	35
215			\$39,765	DAC	GIS Blk Grp				0	35
214			\$39,765	DAC	GIS Blk Grp				0	35
218			\$41,177	DAC	GIS Blk Grp				0	35
LATON	1010020	Laton Community Services District	\$54,792	NOT DAC	SfHlp				454	1236
GRAVESBORO			\$34,098	SDAC	GIS Blk Grp				0	45
MONMOUTH			\$46,696	DAC	SfHlp				0	40
VIKING TAILER PARK	1000454	VIKING TRAILER PARK	\$68,403	DAC	SfHlp				48	80
BIGGER S PONDEROSA TRLR PRK	1000225	BIGGER S PONDEROSA TRLR PRK	\$55,202	NOT DAC	SfHlp				18	40
COVE ISLAND RESORT	1000249	COVE ISLAND RESORT	\$55,202	NOT DAC	SfHlp				36	40
DRIFTWOOD MOBILEHOME PARK	1000258	DRIFTWOOD MOBILEHOME PARK	\$55,202	NOT DAC	SfHlp				31	10
OAK KNOLLS TRAILER PARK	1000435	OAK KNOLLS TRAILER PARK	\$55,202	NOT DAC	SfHlp	YES			60	60
BOWLES			\$75,417	NOT DAC	SfHlp			YES	35	35
Selma Christian Academy		9559 S McCall Ave, Selma, CA 93662		SCHOOL						

**EASTERN FRESNO COUNTY - DATA & RESEARCH SUMMARY**

NAME	SYSTEM_ID	SYSTM_NAME	MHI_2010	TYPE_2010	Srcce2010	H2O_prob	WW_prob	SepticSys	HouseHolds	PopEst
Clay Elementary		12449 S Smith Ave, Kingsburg, CA 93631		SCHOOL						
Centerville Elementary		48 S Smith Ave, Sanger, CA 93657		SCHOOL						
Del Rey Elementary		10620 E Morro Ave, Del Rey, CA 93616		SCHOOL						
Fairmont Elementary		3095 N Greenwood Ave, Sanger, CA 93657		SCHOOL						
Quail Lake Environmental Charter		4087 N Quail Lake Dr, Clovis, CA 93619		SCHOOL						
Indianola Elementary		11524 E Dinuba Ave, Selma, CA 93662		SCHOOL						
Terry Elementary		12906 S Fowler Ave, Selma, CA 93662		SCHOOL						
Alta Elementary		21771 E Parlier Ave, Reedley, CA 93654		SCHOOL						
Great Western Elementary		5051 S Frankwood Ave, Reedley, CA 93657		SCHOOL						
Kings Canyon Cont. High School		10026 S Crawford Ave, Dinuba, CA 93618		SCHOOL						
Navelencia Middle		22620 Wahtoke Ave, Reedley, CA 93654		SCHOOL						
Riverview Elementary		8662 S Lac Jac Ave, Parlier, CA 93648		SCHOOL						
Conejo Middle		4282 E Conejo Ave, Selma, CA 93725		SCHOOL						
Laton Elementary		6065 E Latonia St, Laton, CA 93242		SCHOOL						
Laton High		6449 De Woody St, Laton, CA 93242		SCHOOL						
Monroe Elementary		11842 S Chestnut Ave, Fresno, CA 93725		SCHOOL						
Pacific Union Elementary		2065 E Bowles Ave, Fresno, CA 93725		SCHOOL						
SANGER				CITY						24484
FOWLER				CITY						5719
SELMA				CITY						23395
KINGSBURG				CITY						11509
PARLIER				CITY						14656
REEDLEY				CITY						24474
ORANGE COVE				CITY						9198



**NORTHERN KINGS COUNTY - DATA & RESEARCH SUMMARY**

NAME	SYSTEM_ID	SYSTM_NAME	MHI_2010	TYPE_2010	Srce2010	H2O_prob	WW_prob	SepticSys	HouseHolds	PopEst
HARDWICK	1600507	HARDWICK	\$53,750	SDAC	SlfHlp	YES		YES	40	40
HOME GARDEN	1610007	HOME GARDEN CSD	\$33,092	SDAC	SlfHlp	YES			450	1750
FOUR SEASONS MOBILE HOME PARK	1600004	FOUR SEASONS MOBILE HOME PARK	\$67,632	NOT DAC	SlfHlp	YES			60	60
LACEY COURTS MHP	1600010	LACEY COURTS MHP	\$37,203	DAC	GIS Blk Grp	YES			0	50
HAMBLIN			\$47,500	DAC	SlfHlp				0	240
GRANGEVILLE			\$55,556	NOT DAC	SlfHlp				90	90
Kings River Hardwick Elementary		10300 EXCELSIOR AVE,HANFORD,93230		SCHOOL						
Hanford Christian School		11948 FLINT AVE,HANFORD,93230		SCHOOL						
Gardenside Elementary		9615 TEMPLE DR,HANFORD,93230		SCHOOL						
Delta View Joint Elementary		1201 LACEY BLVD,HANFORD,93230		SCHOOL						
Kit Carson Elementary		9895 7TH AVE,HANFORD,93230		SCHOOL						
Pioneer Primary School		8810 14TH AVE,HANFORD,93230		SCHOOL						
Island Union School		7799 21ST AVE,LEMOORE,93245		SCHOOL						







April 26, 2012

Phone call to discuss data management and cleaning

**Agenda:**

1. Review data updates:
  - a. SHE: Have systems consolidated
  - b. SHE: Pending applications
  - c. SHE: Are systems on WW/WW& Water
  - d. Lon: Flood control & storm data updates
  - e. Gavin: Data integration
  - f. Next steps/pending steps
2. Products/Data processing for May 30<sup>th</sup>:
  - a. Map showing IRWMP/NT Area
  - b. Overview of problems:
    - i. Wastewater
    - ii. Flooding
    - iii. Contamination levels (increases/trends/concentrations/exceedances)
    - iv. Pending applications
    - v. Physical vulnerability
    - vi. General stats on systems in the area
3. Proposed next steps (and timeline):
  - a. Carolina use CWC notes to propose specific analyses to be run
  - b. Carolina & Gavin work on database analysis/crunching
  - c. Other
4. Other items?

**Action Items:**

- **Self Help** will:
  - For April 27<sup>th</sup>: Finish updating contacts for CWC contact database by this Friday
  - For May 3/4<sup>th</sup>: Key data to clean/update For Northern Tulare region
    - Update whether a system listed in the database has **consolidated/connected**:
      - 1) What system did it connect to (e.g. Griggs St; consolidated into Dinuba
      - 2) Does the system still have some other type of service (e.g. wastewater).
    - Update data on **pending applications**: including information (ideally in separate columns) on:
      - 1) what the application was for,
      - 2) what the source of funding was,
      - 3) How much money the application applied for

- Correct whether the system is **WW/WW & Water**/etc
- Confirm which **schools** are on their own supply versus connected to a larger system
- **Gavin will:**
  - Take the updated spreadsheets from SHE and clean it and update it into general, TLB database
- **Carolina will:**
  - Send out an email for a planning meeting to figure out what we want to produce for May 30<sup>th</sup> meeting, so Gavin can then work on those maps, etc
- **Lon will:**
  - And Northern Tulare region: work on updating flood control & storm.f

**Key decisions on database management:**

- **As data gets added, nothing gets deleted (Rule #1 😊), but we can rows and columns**
- For this May 30<sup>th</sup> meeting, and current N. Tulare updates, Gavin will work with the datasheets that SHE sends, and clean them to fit appropriate spreadsheet for Access/GIS
- For future iterations, we'll aim to start working off of a more "consistent" datasheet format that integrates more directly and requires less in-between cleaning and re-formatting

# Kings Basin Disadvantaged Communities Pilot Study

*Seeking to develop shared solutions to disadvantage community water needs*

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## **Project Background**

The Upper Kings Basin IRWM Authority (Kings Basin Water Authority) is a group of local agencies and organizations that have been working over the past several years to create a coalition of water agencies, cities, counties, environmental interests, and stakeholders in the Kings River Basin to address the most pressing regional water issues -- namely groundwater overdraft, supply reliability and quality.

This group has received a \$500,000 grant from the State of California Department of Water Resources for a pilot project focused on the water, wastewater and storm water related problems of Disadvantaged Communities, (DACs) within the Kings Basin IRWM plan area.

## **What are the goals of this project?**

The project's goals are to facilitate partnerships between local DACs and various stakeholders to develop joint project ideas, identify regional water projects that provide safe, reliable and affordable water and wastewater services, and to address other DAC community water needs.

## **How will the project accomplish its goals?**

A series of meetings will be held within five sub-regions in the Kings Basin IRWM plan area to identify common goals, evaluate joint administration options and support other potential regional water and wastewater management projects or structures to address community water needs.

## **What are the Study Area Sub-Regions?**

The five sub region study areas include: **1.** Northern Tulare County; **2.** City of Fresno/Clovis and surrounding areas; **3.** Western Fresno County; **4.** Eastern Fresno County; and **5.** Northern Kings County (map is included below).

## **Who should participate?**

Any local drinking water or wastewater board member or resident of a disadvantaged community who lives within the Kings Basin IRWM plan area, as well as anyone affiliated with a non-profit, academic, or community-based organization that is currently involved in water issues in the region.

## **What is the project timeline?**

There will be four sub-regional planning meetings in each designated area between May 2012 and June 2013.

# Kings Basin Disadvantaged Communities Pilot Study

Seeking to develop shared solutions to disadvantage community water needs

## Project Team:

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## Where can I get more information about this project?

For more information about this project, visit our project website

[http://www.krccd.org/water/ukbirwma/dac\\_pilot\\_study.html](http://www.krccd.org/water/ukbirwma/dac_pilot_study.html)

Or contact Community Water Center at 559.733.0219.

