Linkages to Dissolved Oxygen Conditions in the DWSC by Loads, Flow and Geometry -							
Summary of Ratings including Average	and Range	- Phase	I of a C	riteria Rat	ing Pro	cess	
Rate 1 to 5 with 5 very high and 1 very low. Leave blank if you do	o not feel you know e	enough to pro	ovide a rating.				
11-May-04							
Linkages to DO Impairment in DWSC	Knowledge of Connection to DO in DWSC	Potential V Cond	/alue to D.O. litions	Controllable		Verifiable	
	strength of knowledge to connection	theoretical	existing knowledge	can an action be easily controlled or completed	Can action be measured locally?	Can a local actiion be tracked or modeled to or in the DWSC?	
LOADS	•		•		•		
ALGAL LOAD REDUCTION by LOCATION							
City of Stockton sewage ponds							
Average Score	4.11	4.14	4.17	4.86	4.75	4.25	
Responding	9						
Range	2-5	2-5	3-5	4-5	4-5	3-5	
DWSC itself							
Average Score	4.33	4.17	4.40	2.40	3.33	4.17	
Responding	6						
Range	3-5	2-5	3-5	1-5	1-5	3-5	
Eastside tributaries Stanislaus, Tuolumne and Merced Rivers							
Average Score	3.67	2.67	3.40	2.80	3.67	3.50	
Responding	6						
Range	2-5	2-4	2-5	2-3	2-5	3-4	
French Camp Slough							
Average Score	2.86	2.29	2.33	2.20	3.00	3.29	
Responding	7						
Range	2-5	1-5	2-4	1-3	1-5	2-4	
Mud and Salt Sloughs including Grasslands							
Average Score	4.00	4.14	3.67	3.17	4.43	3.57	
Responding	7						
Range	3-5	3-5	2-5	3-4	4-5	3-4	
Sewage Treatment plants connected to the mainstem SJR (e.g. Lathrop, Manteca, Turlock, and Modesto							
Average Score	3.25	3.38	2.43	4.43	4.25	3.50	

Linkages to DO Impairment in DWSC	Kages to DO Impairment in DWSCKnowledge of Connection to DO in DWSCPotential Value to D.O. Conditions		Controllable	Verifiable			
	strength of knowledge to connection	theoretical	existing knowledge	can an action be easily controlled or completed	Can action be measured locally?	<i>Can a local actiion be tracked or modeled to or in the DWSC?</i>	
Responding	8						
Range	2-5	1-5	1-4	4-5	3-5	3-4	
SJR above Lander Ave (including upstream eastside tributaries, Eastside Bypass, mainstem)							
Average Score	3.33	2.67	2.60	2.50	3.17	3.00	
Responding	6						
Range	2-5	1-5	1-5	1-3	1-5	2-4	
SJR itself downstream of Lander Ave							
Average Score	3.83	4.17	3.80	3.00	3.83	3.83	
Responding	6						
Range	3-5	3-5	3-4	3	3-5	3-5	
South delta from the Tracy Pumps north to the DWSC including City of Tracy							
Average Score	2.50	2.25	2.67	3.50	3.50	3.25	
Responding	4						
Range	1-3	1-3	1-4	2-5	3-4	3-4	
Stockton sloughs including Calaveras River and the Turning Basin							
Average Score	3.29	3.57	2.83	2.67	3.29	3.57	
Responding	7						
Range	1-5	3-5	1-4	2-4	2-4	3-4	
West side north of Mud and Salt Slough to South Delta							
Average Score	3.40	2.40	2.75	3.25	3.60	3.20	
Responding	5						
Range	1-5	1-5	2-4	3-4	3-5	3-4	
Wildlife refuges and wetlands.							
Average Score	3.00	2.20	3.00	3.25	3.80	3.40	
Responding	5						
Range	1-5	1-3	3	3-4	2-5	3-4	
LOADS							

Linkages to DO Impairment in DWSC	Knowledge of Connection to DO in DWSC	Potential \ Con	tential Value to D.O. Conditions			Verifiable	
	strength of knowledge to connection	theoretical	existing knowledge	<i>can an action be easily controlled or completed</i>	Can action be measured locally?	<i>Can a local actiion be tracked or modeled to or in the DWSC?</i>	
AMMONIA and NBOD REDUCTION by LOCATION							
DWSC algae							
Average Score	3.67	3.33	3.40	2.60	3.00	3.60	
Responding	6						
Range	2-4	2-4	3-4	2-4	2-4	2-5	
French Camp Slough							
Average Score	2.83	2.83	2.80	2.25	3.60	3.20	
Responding	6						
Range	1-4	1-5	2-3	1-3	2-5	3-4	
Harding Drain (including City of Turlock)							
Average Score	2.00	2.60	2.50	3.50	3.75	3.00	
Responding	5						
Range	1-3	1-5	2-3	2-4	2-5	2-4	
Manteca Wastewater Treatment Plant (WTP)							
Average Score	2.25	2.75	3.00	4.67	4.67	3.33	
Responding	4						
Range	1-4	1-5	1-5	4-5	4-5	3-4	
Modesto WTP							
Average Score	2.25	3.00	2.00	4.00	4.00	3.00	
Responding	4						
Range	1-3	1-5	1-3	3-5	3-5	2-4	
Stockton WTP							
Average Score	4.38	4.75	4.57	4.43	5.00	4.57	
Responding	8						
Range	3-5	4-5	4-5	2-5	5	3-5	
NON-AMMONIA, NON-ALGAL LOAD REDUCTION							

Linkages to DO Impairment in DWSC	Knowledge of Connection to DO in DWSC	Potential \ Con	/alue to D.O. ditions	Controllable	ole Verifiable			
	strength of knowledge to connection	theoretical	existing knowledge	<i>can an action be easily controlled or completed</i>	Can action be measured locally?	Can a local actiion be tracked or modeled to or in the DWSC?		
Ag irrigation drainage - CBOD								
Average Score	2.71	2.57	2.60	2.50	3.00	2.40		
Responding	7							
Range	1-5	1-4	1-4	1-3	1-5	1-3		
Ag stormwater runoff - CBOD								
Average Score	2.57	2.29	1.80	2.50	2.80	2.40		
Responding	7							
Range	1-4	1-3	1-2	1-4	1-5	1-3		
Riparian vegetation - CBOD								
Average Score	2.00	1.80	1.33	2.50	2.25	2.25		
Responding	5							
Range	1-3	1-2	1-2	1-4	1-3	1-3		
SOD (suspended) in DWSC								
Average Score	3.25	3.25	3.83	2.00	2.86	3.14		
Responding	8							
Range	2-5	2-5	2-5	1-4	2-4	2-4		
SOD (bedded) in DWSC								
Average Score	3.29	2.86	4.00	1.83	2.83	3.33		
Responding	7							
Range	1-5	1-5	4	1-4	2-4	2-4		
Urban dry season runoff - CBOD								
Average Score	1.80	2.40	2.00	2.50	2.75	2.25		
Responding	5							
Range	1-3	1-5	1-4	1-4	1-5	1-3		
Urban stormwater runoff - CBOD								
Average Score	2.17	2.83	2.00	2.80	2.80	2.40		

Linkages to DO Impairment in DWSC	Knowledge of Connection to DO in DWSC	Potential \ Con	Potential Value to D.O. Conditions		Potential Value to D.O. Conditions		Verifiable		
	strength of knowledge to connection	theoretical	existing knowledge	<i>can an action be easily controlled or completed</i>	Can action be measured locally?	Can a local actiion be tracked or modeled to or in the DWSC?			
Responding	6								
Range	1-3	2-5	1-3	1-4	1-5	1-3			
Urban wastewater drainage - CBOD									
Average Score	3.40	3.40	3.00	3.00	3.50	3.00			
Responding	5								
Range	2-5	2-5	1-4	1-5	1-5	1-5			
Wildlife refuges and wetlands drainage									
Average Score	2.60	3.40	2.00	2.75	3.50	3.00			
Responding	5								
Range	1-4	2-4	2	2-4	2-5	2-5			
SECONDARY FACTORS THAT INFLUENCE ALGAL PRODUCTION									
Herbivore grazing by clams									
Average Score	2.00	2.75	2.00	1.86	2.50	2.40			
Responding	8								
Range	1-4	2-4	1-4	1-3	1-4	1-4			
Herbivore grazing by zooplankton									
Average Score	2.00	2.86	1.80	1.67	2.50	2.40			
Responding	7								
Range	1-4	2-4	1-4	1-3	1-4	1-4			
Sediment reduction and improved light penetration in the DWSC resulting in increased 2 production and decreased algal decay in DWSC									
Average Score	2.43	3.57	2.20	2.83	3.33	3.40			
Responding	7								
Range	1-3	2-5	1-3	2-5	2-5	3-4			
Sediment increase and reduced light penetration in the SJR upstream of DWSC resulting in reduced algal growth and loads									
Average Score	2.67	3.56	2.43	2.63	3.43	3.50			

strate of control becometionstrate of control becometionstrate of control becometionstrate of control becometionstrate of control becometionstrate control becometionstrate control becometionstrate control control becometionstrate control control control control controlstrate control control control control controlstrate control control control controlstrate control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control contro 	Linkages to DO Impairment in DWSC	Knowledge of Connection to DO in DWSC	Potential \ Cond	Potential Value to D.O. Conditions		Verifiable		
Responding9111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111		strength of knowledge to connection	theoretical	existing knowledge	can an action be easily controlled or completed	Can action be measured locally?	Can a local actiion be tracked or modeled to or in the DWSC?	
Range1.141.151.141.151.251.241.24Upt reduction in the San Luis Drain1.2003.173.253.2003.203.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.2003.200 <td< td=""><td>Responding</td><td>9</td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	Responding	9						
Light reduction in the San Luis DrainInitial SameInitial SameInitian SameInitian SameInitial Sa	Range	1-4	1-5	1-4	1-5	2-5	2-4	
Average Score1.2.003.172.2.52.803.802.7.5Responding66777777777777777777777777777777777777777777777777777777777777777777777777777777777777777777777777777777777777777777777777777777777777777777777777777777777777777777777777777777777777777777777<	Light reduction in the San Luis Drain							
Responding161111111Range11-32.51.132.432.542.441Shading along upstream streams and drainages and reduced ling for algal growth.112.502.803.1011Average Score2.333.172.502.803.403.1251Responding612.502.803.403.1251Range6.612.502.603.403.261Range Score6112.502.403.5011WATER TEMPERATURE (Effects on dissolved oxygen in Mater)111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111	Average Score	2.00	3.17	2.25	2.80	3.80	2.75	
Range1.1-32.51.1-32.2.42.52.2.4Shading along upstream streams and drainages and reduced likih alogal growth.incomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincomeincome<	Responding	6						
Shading along upstreams and drainages and reduced light for algal growth.including along upstream streams and drainages and reduced light bar alga growth.including along upstream streams and drainages and reduced light bar alga growth.including along upstream streams and drainages and reduced light bar alga growth.including along upstream streams and drainages and reduced light bar alga growth.including along upstream streams and drainages and reduced light bar alga growth.including along upstream streams and drainages and reduced light bar alga growth.including along upstream streams and drainages and reduced light bar alga growth.including along upstream streams and drainages and reduced light bar alga growth.including along upstream streams and drainages and reduced light bar alga growth.including along upstream streams and drainages and reduced light bar alga growth.including along upstream streams and drainages and reduced light bar alga growth.including along upstream streams and drainages and reduced light bar alga growth.including along upstream streams and drainages and reduced light bar alga growth.including alga growth.including alga growth.Average ScoreArge of the streamsInfoInfoInfoInfoInfoInfoInfoAverage ScoreAnge of the streamsInfoInfoInfoInfoInfoInfoInfoInfoAverage ScoreInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoAverage ScoreInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfo <td< td=""><td>Range</td><td>1-3</td><td>2-5</td><td>1-3</td><td>2-4</td><td>2-5</td><td>2-4</td><td></td></td<>	Range	1-3	2-5	1-3	2-4	2-5	2-4	
Average Score1.2.333.1.72.501.2.803.4.03.2.501Responding6 </td <td>Shading along upstream streams and drainages and reduced light for algal growth.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Shading along upstream streams and drainages and reduced light for algal growth.							
Responding6111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111	Average Score	2.33	3.17	2.50	2.80	3.40	3.25	
Range1-42-52-32-42-52-42WATER TEMPERATURE (Effects on dissolved oxygen in water)ImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImage <td>Responding</td> <td>6</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Responding	6						
WATER TEMPERATURE (Effects on dissolved oxygen in wardsIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIndexIn	Range	1-4	2-5	2-3	2-4	2-5	2-4	
Ag drainage flows (subsurface drainage)ImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImage <td>WATER TEMPERATURE (Effects on dissolved oxygen in water)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	WATER TEMPERATURE (Effects on dissolved oxygen in water)							
Average Score1.602.332.003.333.001Responding51111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111 <td>Ag drainage flows (subsurface drainage)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Ag drainage flows (subsurface drainage)							
Responding151111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111 <t< td=""><td>Average Score</td><td>2.20</td><td>1.60</td><td>2.33</td><td>2.00</td><td>3.33</td><td>3.00</td><td></td></t<>	Average Score	2.20	1.60	2.33	2.00	3.33	3.00	
Range1-51-21-322-42-4Dam releases of colder water<	Responding	5						
Dam releases of colder waterImage of cold	Range	1-5	1-2	1-3	2	2-4	2-4	
Average Score1.802.803.333.003.674.00Responding5111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111 </td <td>Dam releases of colder water</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Dam releases of colder water							
Responding5111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111	Average Score	1.80	2.80	3.33	3.00	3.67	4.00	
Range1-31-51-51-42-544Sediment reduction and reduced heat absorption in streamsIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Responding	5						
Sediment reduced heat absorption in streamsImage with the stream with	Range	1-3	1-5	1-5	1-4	2-5	4	
Average Score1.752.254.002.673.332.67Responding4 </td <td>Sediment reduction and reduced heat absorption in streams</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Sediment reduction and reduced heat absorption in streams							
Responding4ImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImage <th< td=""><td>Average Score</td><td>1.75</td><td>2.25</td><td>4.00</td><td>2.67</td><td>3.33</td><td>2.67</td><td></td></th<>	Average Score	1.75	2.25	4.00	2.67	3.33	2.67	
Range1-31-441-42-42-3Shading and riparian forest restorationImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImage <td< td=""><td>Responding</td><td>4</td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	Responding	4						
Shading and riparian forest restoration       Image Score	Range	1-3	1-4	4	1-4	2-4	2-3	
Average Score         1.75         2.00         3.00         2.33         3.33         2.67	Shading and riparian forest restoration							
	Average Score	1.75	2.00	3.00	2.33	3.33	2.67	
Responding 4	Responding	4						

Linkages to DO Impairment in DWSC	Knowledge of Connection to DO in DWSC	Potential Value to D.O. Conditions		Controllable	Verifiable		
	strength of knowledge to connection	theoretical	existing knowledge	can an action be easily controlled or completed	Can action be measured locally?	Can a local actiion be tracked or modeled to or in the DWSC?	
Range	1-3	1-3	3	2-3	2-4	2-3	

inkages to DO Impairment in DWSC	Knowledge of Connection to DO in DWSC	Potential V Cond	/alue to D.O. ditions	Controllable	Controllable Verifiable		
	strength of knowledge to connection	theoretical	existing knowledge	<i>can an action be easily controlled or completed</i>	Can action be measured locally?	<i>Can a local actiion be tracked or modeled to or in the DWSC?</i>	
FLOWS							
FLOWS and RESIDENCE TIME IMPROVEMENTS							
Delta Tidal (Ag) Barriers (permanent and operable)							
Average Score	3.40	3.86	4.00	3.75	3.75	3.75	
Responding	5						
Range	2-4	1-4	4	2-4	2-5	3-4	
Delta Tidal (Ag) Barriers with low head pumping at the Head of Old River							
Average Score	3.40	3.20	3.67	4.25	4.25	3.75	
Responding	5						
Range	2-4	1-4	2-4	4-5	4-5	3-4	
Eastside tributary flows (Stanislaus, Tuolumne and Merced )							
Average Score	4.00	3.86	3.80	3.67	4.40	4.00	
Responding	3-5	2-5	3-5	3-5	3-5	3-5	
Range							
Eastside tributary Fall Pulse flows							
Average Score	3.25	3.75	4.00	3.50	4.25	4.00	
Responding	4						
Range	3-4	3-5	3-5	3-5	3-5	3-5	
Efficiency water use in subwatersheds (e.g. Could water conservation lead to less residence time in streams and drainages that lead to the SJR)							
Average Score	2.40	3.20	2.50	3.20	3.60	3.00	
Responding	5						
Range	1-4	2-5	1-3	2-5	2-5	3	
Export pumping rates and timing							
Average Score	3.00	3.83	3.25	4.00	4.40	3.60	
Responding	6						
Range	1-4	3-5	2-4	3-5	4-5	3-4	

Linkages to DO Impairment in DWSC	Knowledge of Connection to DO in DWSC	Potential \ Con	/alue to D.O. ditions	Controllable	rollable Verifiable		
	strength of knowledge to connection	theoretical	existing knowledge	<i>can an action be easily controlled or completed</i>	Can action be measured locally?	Can a local actiion be tracked or modeled to or in the DWSC?	
Head of Old River Barrier (permanent and operable)							
Average Score	4.20	4.40	4.33	4.25	4.50	4.25	
Responding							
Range	3-5	3-5	4-5	3-5	4-5	4-5	
Sacramento River flows at the Delta Cross Channel							
Average Score	3.33	3.00	4.50	2.67	4.67	3.33	
Responding	4						
Range	1-5	1-5	4-5	1-4	4-5	3-4	
SJR - drainages and diversions that affect flow downstream of Old River							
Average Score	2.57	3.00	2.80	2.67	3.40	3.20	
Responding	7						
Range	1-4	1-5	2-3	1-3	1-5	3-4	
SJR - drainages and diversions above Old River to Lander Ave.							
Average Score	2.75	3.50	3.50	3.00	4.33	3.33	
Responding	4						
Range	1-5	2-5	3-4	3	4-5	3-4	
SJR - Friant Dam releases (with flows reaching DWSC)							
Average Score	2.50	2.50	3.00	2.67	2.67	3.33	
Responding	4						
Range	1-3	1-3	3	1-4	1-4	3-4	
SJR - Groundwater inflow to the San Joaquin							
Average Score	2.63	2.75	2.33	2.00	2.33	2.83	
Responding	8						
Range	2-3	1-5	2-3	1-4	1-3	2-4	
SJR - Recirculation at Newman Wasteway							
Average Score	3.20	3.00	3.00	3.33	3.67	3.25	

Linkages to DO Impairment in DWSC	Knowledge of Connection to DO in DWSC	Potential \ Con	/alue to D.O. ditions	lue to D.O. tions Controllable Verifiable		Verifiable	
	strength of knowledge to connection	theoretical	existing knowledge	can an action be easily controlled or completed	Can action be measured locally?	Can a local actiion be tracked or modeled to or in the DWSC?	
Responding	5						
Range	3-4	3	3	3-4	3-4	3-4	
SJR - Recirculation at Mendota Pool							
Average Score	3.00	3.00	3.00	3.33	3.67	3.25	
Responding	4						
Range	3	3	3	3-4	3-4	3-4	
SJR - Sewage treatment effluent flows							
Average Score	2.71	2.71	2.80	3.67	4.00	3.40	
Responding	7						
Range	1-3	2-3		3-5	3-5	3-4	
DWSC GEOMETRY							
REDUCTION OF VOLUME OPTIONS							
Burns Cut becomes the SJR river channel and the upper 2-3 miles of the DWSC is isolated from loads and flows							
Average Score	3.33	4.00	3.20	4.20	4.40	4.00	
Responding	6						
Range	1-5	2-5	1-4	4-5	4-5	4	
Burns Cut becomes SJR channel and extends to Turner Cut. Entire low DO section of DWSC is isolated from river.							
Average Score	3.17	4.17	3.20	4.20	4.40	4.00	
Responding	6						
Range	1-5	2-5	1-4	4-5	4-5	4	
DWSC fills in over time							
Average Score	4.17	3.67	4.00	4.00	4.20	4.00	
Responding	6						
Range	4-5	3-4	4	3-5	4-5	4	