Appendix 1.

Spreadsheet Post_Processing Output

Used for Graphs

Groundwater Storage Data

North of Delta Facilities	
Recharge Rate (CFS)	500
Extraction Rate (CFS)	1000
Maximum Storage (TAF)	0
Starting Storage (TAF)	0
Extraction Ratio [1]	Not Used
Water Supply Factor	
Environmental Factor	0

[1] Percent of Offstream Storage to Begin Extraction

South of Delta Facilities	
Recharge Rate (CFS)	500
Extraction Rate (CFS)	1000
Maximum Storage (TAF)	0
Starting Storage (TAF)	0
Extraction Ratio [2]	0.9

[2] Percent of Offstream Storage to Begin Extraction

Non-Project Recharge Rate		
Deficit	Storage	Rate
1	0	0.0215
0.77	0	0.0166
0.63	0	0.0143
0.53	0	0.0117
0.46	0	0.0095
0.41	0	0

Offstream Storage Data

North of Delta Storage	
Conveyance to (CFS)	5000
Conveyance from (CFS)	5000
Maximum Storage (TAF)	0
Starting Storage (TAF)	0
Water Supply Factor	
Environmental Factor	0

South of Delta Storage	
Conveyance to (CFS)	Limited [3]
Conveyance from (CFS)	Limited [3]
Maximum Storage (TAF)	0
Starting Storage (TAF)	0

[3] Limited only by Aqueduct Capacity.

SWP Distribution Pattern		
OCT	217.5	0.070
NOV	203.3	0.065
DEC	206.4	0.066
JAN	189.5	0.061
FEB	193.5	0.062
MAR	218.2	0.070
APR	249.9	0.081
MAY	285.4	0.092
JUN	349.6	0.113
JUL	361.7	0.117
AUG	357.0	0.115
SEP	272.4	0.088
Total	3104.4	1.000

CVP Distribution Pattern		
OCT	144.4	0.056
NOV	117.3	0.045
DEC	151.9	0.059
JAN	70.4	0.027
FEB	73.7	0.028
MAR	154.5	0.060
APR	232.9	0.090
MAY	288.1	0.111
JUN	387.1	0.150
JUL	415.5	0.160
AUG	371.8	0.144
SEP	181.4	0.070
Total	2588.9	1.000

In-Delta Storage	
Conveyance to (CFS)	5000
Conveyance from (CFS)	5000
Maximum Storage (TAF)	0
Starting Storage (TAF)	0

Ecosytem Demand	
Target Delta Outflow (CFS)	
OCT	7000
NOV	7000
DEC	7000
JAN	7000
FEB	7000
MAR	7000
APR	7000
MAY	7000
JUN	7000
JUL	7000
AUG	7000
SEP	7000

In-Delta Storage		
Minimum Storage to Extract for Exp. (TAF)		
Factor		
OCT	0	1
NOV	0	1
DEC	0	1
JAN	0	1
FEB	0	1
MAR	0	1
APR	0	1
MAY	0	0.9
JUN	0	0.8
JUL	0	0.7
AUG	0	0.6
SEP	0	0.5

Delta Conveyance (CFS) 7500

Existing Delta Conveyance

E-009539

E-009539

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Marco A. Bell, P.E.
Component Refinement

September 27, 1996
CALFED Bay-Delta Program

SINGLE COMPONET SENSITIVITY RUNS - AVERAGES - SWP=1 EXISTING CONDITIONS

	INPUT (STO in TAF and CONV in CFS)						AVERAGE EXPORTS						AVERAGE OUT Q's				AVG
	DELTA CONV	N DELTA STO	IN-DELTA STO	S DELTA STO	N GW STO	S GW STO	S Delta Export	In-Delta Export	N Delta Export	S CU Export	N gw Export	TOTAL EXPORT	N DELTA OUT Q's	N CU OUT Q'S	IN-DELTA OUT Q'S	TOTAL	GRAND TOTAL
P.5	7500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500	0	0	0	0	500	0	0	0	65	0	65	0	0	0	0	65
	7500	0	0	0	0	400	0	0	0	65	0	65	0	0	0	0	65
	7500	0	0	0	0	300	0	0	0	65	0	65	0	0	0	0	65
	7500	0	0	0	0	200	0	0	0	64	0	64	0	0	0	0	64
	7500	0	0	0	0	100	0	0	0	60	0	60	0	0	0	0	60
P.4	7500	0	0	0	0	0	0	0	0	0	253	253	0	0	0	0	253
	7500	0	0	0	700	0	0	0	0	0	253	253	0	0	0	0	253
	7500	0	0	0	600	0	0	0	0	0	234	234	0	0	0	0	234
	7500	0	0	0	500	0	0	0	0	0	214	214	0	0	0	0	214
	7500	0	0	0	400	0	0	0	0	0	194	194	0	0	0	0	194
	7500	0	0	0	300	0	0	0	0	0	171	171	0	0	0	0	171
	7500	0	0	0	200	0	0	0	0	0	144	144	0	0	0	0	144
	7500	0	0	0	100	0	0	0	0	0	111	111	0	0	0	0	111
P.6	7500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500	0	0	3000	0	0	315	0	0	0	0	315	0	0	0	0	315
	7500	0	0	2000	0	0	309	0	0	0	0	309	0	0	0	0	309
	7500	0	0	1500	0	0	302	0	0	0	0	302	0	0	0	0	302
	7500	0	0	1000	0	0	290	0	0	0	0	290	0	0	0	0	290
	7500	0	0	800	0	0	280	0	0	0	0	280	0	0	0	0	280
	7500	0	0	600	0	0	266	0	0	0	0	266	0	0	0	0	266
	7500	0	0	400	0	0	236	0	0	0	0	236	0	0	0	0	236
	7500	0	0	200	0	0	161	0	0	0	0	161	0	0	0	0	161
P.7	7500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500	0	700	0	0	0	0	57	0	0	0	57	0	0	222	222	279
	7500	0	600	0	0	0	0	65	0	0	0	65	0	0	204	204	269
	7500	0	500	0	0	0	0	75	0	0	0	75	0	0	184	184	259
	7500	0	400	0	0	0	0	81	0	0	0	81	0	0	159	159	240
	7500	0	300	0	0	0	0	77	0	0	0	77	0	0	130	130	207
	7500	0	200	0	0	0	0	70	0	0	0	70	0	0	92	92	162
	7500	0	100	0	0	0	0	49	0	0	0	49	0	0	48	48	97
P.8	7500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500	8000	0	0	0	0	0	0	543	0	0	543	0	0	0	0	543
	7500	6000	0	0	0	0	0	0	543	0	0	543	0	0	0	0	543
	7500	5000	0	0	0	0	0	0	543	0	0	543	0	0	0	0	543
	7500	4000	0	0	0	0	0	0	538	0	0	538	0	0	0	0	538
	7500	3500	0	0	0	0	0	0	531	0	0	531	0	0	0	0	531
	7500	3000	0	0	0	0	0	0	524	0	0	524	0	0	0	0	524
	7500	2500	0	0	0	0	0	0	516	0	0	516	0	0	0	0	516
	7500	2000	0	0	0	0	0	0	501	0	0	501	0	0	0	0	501
	7500	1500	0	0	0	0	0	0	475	0	0	475	0	0	0	0	475
	7500	1000	0	0	0	0	0	0	440	0	0	440	0	0	0	0	440
	7500	800	0	0	0	0	0	0	426	0	0	426	0	0	0	0	426
	7500	600	0	0	0	0	0	0	402	0	0	402	0	0	0	0	402
	7500	400	0	0	0	0	0	0	323	0	0	323	0	0	0	0	323
	7500	200	0	0	0	0	0	0	203	0	0	203	0	0	0	0	203
	7500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

E-009540
E—009540

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Marco A. Bell, P.E.
Component Refinement

September 27, 1996
CALFED Bay-Delta Program

SINGLE COMPONET SENSITIVITY RUNS - DRY YEAR AVERAGES - SWP=1 EXISTING CONDITIONS

	INPUT (STO in TAF and CONV in CFS)						DRY YEAR AVERAGE EXPORTS						DRY YEARAVERAGE OUT Q's				DRY
	DELTA CONV	N DELTA STO	IN-DELTA STO	S DELTA STO	N GW STO	S GW STO	S Delta Export	In-Delta Export	N Delta Export	S CU Export	N gw Export	TOTAL EXPORT	N DELTA OUT Q's	N CU OUT Q'S	IN-DELTA OUT Q'S	TOTAL	GRAND TOTAL
P.5	7500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500	0	0	0	0	500	0	0	0	37	0	37	0	0	0	0	37
	7500	0	0	0	0	400	0	0	0	37	0	37	0	0	0	0	37
	7500	0	0	0	0	300	0	0	0	37	0	37	0	0	0	0	37
	7500	0	0	0	0	200	0	0	0	37	0	37	0	0	0	0	37
	7500	0	0	0	0	100	0	0	0	37	0	37	0	0	0	0	37
P.4	7500	0	0	0	0	0	0	0	0	0	~~350~~	~~350~~	0	0	0	0	~~350~~
	7500	0	0	0	700	0	0	0	0	0	350	350	0	0	0	0	350
	7500	0	0	0	600	0	0	0	0	0	312	312	0	0	0	0	312
	7500	0	0	0	500	0	0	0	0	0	271	271	0	0	0	0	271
	7500	0	0	0	400	0	0	0	0	0	227	227	0	0	0	0	227
	7500	0	0	0	300	0	0	0	0	0	183	183	0	0	0	0	183
	7500	0	0	0	200	0	0	0	0	0	141	141	0	0	0	0	141
	7500	0	0	0	100	0	0	0	0	0	102	102	0	0	0	0	102
P.6	7500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500	0	0	3000	0	0	155	0	0	0	0	155	0	0	0	0	155
	7500	0	0	2000	0	0	155	0	0	0	0	155	0	0	0	0	155
	7500	0	0	1500	0	0	155	0	0	0	0	155	0	0	0	0	155
	7500	0	0	1000	0	0	155	0	0	0	0	155	0	0	0	0	155
	7500	0	0	800	0	0	155	0	0	0	0	155	0	0	0	0	155
	7500	0	0	600	0	0	155	0	0	0	0	155	0	0	0	0	155
	7500	0	0	400	0	0	153	0	0	0	0	153	0	0	0	0	153
	7500	0	0	200	0	0	117	0	0	0	0	117	0	0	0	0	117
P.7	7500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7500	0	700	0	0	0	0	9	0	0	0	9	0	0	146	146	155
	7500	0	600	0	0	0	0	17	0	0	0	17	0	0	139	139	156
	7500	0	500	0	0	0	0	25	0	0	0	25	0	0	130	130	155
	7500	0	400	0	0	0	0	42	0	0	0	42	0	0	111	111	153
	7500	0	300	0	0	0	0	48	0	0	0	48	0	0	91	91	139
	7500	0	200	0	0	0	0	43	0	0	0	43	0	0	69	69	112
	7500	0	100	0	0	0	0	32	0	0	0	32	0	0	39	39	71
P.8	7500	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0
	7500	8000	0	0	0	0	0	0	494		0	494	0	0	0	0	494
	7500	6000	0	0	0	0	0	0	494		0	494	0	0	0	0	494
	7500	5000	0	0	0	0	0	0	494		0	494	0	0	0	0	494
	7500	4000	0	0	0	0	0	0	~~494~~ 454		0	494	0	0	0	0	494
	7500	3500	0	0	0	0	0	0	494 453		0	494	0	0	0	0	494
	7500	3000	0	0	0	0	0	0	494 454		0	494	0	0	0	0	494
	7500	2500	0	0	0	0	0	0	494 347		0	494	0	0	0	0	494
	7500	2000	0	0	0	0	0	0	455 415		0	455	0	0	0	0	455
	7500	1500	0	0	0	0	0	0	384 343		0	384	0	0	0	0	384
	7500	1000	0	0	0	0	0	0	312 272		0	312	0	0	0	0	312
	7500	800	0	0	0	0	0	0	284 244		0	284	0	0	0	0	284
	7500	600	0	0	0	0	0	0	255 215		0	255	0	0	0	0	255
	7500	400	0	0	0	0	0	0	227 186		0	227	0	0	0	0	227
	7500	200	0	0	0	0	0	0	153 122		0	153	0	0	0	0	153
	7500	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0

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E-009541

E—009541

E-009542

Groundwater Storage Data

North of Delta Facilities

Recharge Rate (CFS)	500
Extraction Rate (CFS)	1000
Maximum Storage (TAF)	0
Starting Storage (TAF)	0
Extraction Ratio [1]	Not Used
Water Supply Factor	1
Environmental Factor	0

[1] Percent of Offstream Storage to Begin Extraction

South of Delta Facilities

Recharge Rate (CFS)	500
Extraction Rate (CFS)	1000
Maximum Storage (TAF)	0
Starting Storage (TAF)	0
Extraction Ratio [2]	0.9

[2] Percent of Offstream Storage to Begin Extraction

Non-Project Recharge Rate

Deficit	Storage	Rate
1	0	0.0215
0.77	0	0.0166
0.63	0	0.0143
0.53	0	0.0117
0.46	0	0.0095
0.41	0	0

Offstream Storage Data

North of Delta Storage

Conveyance to (CFS)	5000
Conveyance from (CFS)	5000
Maximum Storage (TAF)	0
Starting Storage (TAF)	0
Water Supply Factor	0
Environmental Factor	1

South of Delta Storage

Conveyance to (CFS)	Limited [3]
Conveyance from (CFS)	Limited [3]
Maximum Storage (TAF)	0
Starting Storage (TAF)	0

[3] Limited only by Aqueduct Capacity.

In-Delta Storage

Conveyance to (CFS)	5000
Conveyance from (CFS)	5000
Maximum Storage (TAF)	0
Starting Storage (TAF)	0

Ecosytem Demand

Target Delta Outflow (CFS)	
OCT	7000
NOV	7000
DEC	7000
JAN	7000
FEB	7000
MAR	7000
APR	7000
MAY	7000
JUN	7000
JUL	7000
AUG	7000
SEP	7000

In-Delta Storage

Minimum Storage to Extract for Exp. (TAF)		Factor
OCT	0	1
NOV	0	1
DEC	0	1
JAN	0	1
FEB	0	1
MAR	0	1
APR	0	1
MAY	0	0.9
JUN	0	0.8
JUL	0	0.7
AUG	0	0.6
SEP	0	0.5

Delta Conveyance (CFS): 7500

SWP Distribution Pattern

OCT	217.5	0.070
NOV	203.3	0.065
DEC	206.4	0.066
JAN	189.5	0.061
FEB	193.5	0.062
MAR	218.2	0.070
APR	249.9	0.081
MAY	285.4	0.092
JUN	349.6	0.113
JUL	361.7	0.117
AUG	357.0	0.115
SEP	272.4	0.088
Total	3104.4	1.000

CVP Distribution Pattern

OCT	144.4	0.056
NOV	117.3	0.045
DEC	151.9	0.059
JAN	70.4	0.027
FEB	73.7	0.028
MAR	154.5	0.060
APR	232.9	0.090
MAY	288.1	0.111
JUN	387.1	0.150
JUL	415.5	0.160
AUG	371.8	0.144
SEP	181.4	0.070
Total	2588.9	1.000

Existing Delta Conveyance

E-009542

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9/29/96
M.R

Single Sen ENV=1

Component Refinement ↓ **CALFED Bay-Delta Program**

SINGLE COMPONET SENSITIVITY RUNS - AVERAGES - ENV=1 EXISTING CONDITIONS

INPUT (STO in TAF and CONV in CFS)						AVERAGE EXPORTS						AVERAGE OUT Q's				AVG
DELTA CONV	N DELTA STO	IN-DELTA STO	S DELTA STO	N GW STO	S GW STO	S Delta Export	In-Delta Export	N Delta Export	S CU Export	N gw Export	TOTAL EXPORT	N DELTA OUT Q's	N CU OUT Q'S	IN-DELTA OUT Q'S	TOTAL	GRAND TOTAL
7500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7500	0	0	0	0	500	0	0	0	65	0	65	0	0	0	0	65
7500	0	0	0	0	400	0	0	0	65	0	65	0	0	0	0	65
7500	0	0	0	0	300	0	0	0	65	0	65	0	0	0	0	65
7500	0	0	0	0	200	0	0	0	64	0	64	0	0	0	0	64
7500	0	0	0	0	100	0	0	0	60	0	60	0	0	0	0	60
7500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7500	0	0	0	700	0	0	0	0	0	253	253	0	0	0	0	253
7500	0	0	0	600	0	0	0	0	0	234	234	0	0	0	0	234
7500	0	0	0	500	0	0	0	0	0	214	214	0	0	0	0	214
7500	0	0	0	400	0	0	0	0	0	194	194	0	0	0	0	194
7500	0	0	0	300	0	0	0	0	0	171	171	0	0	0	0	171
7500	0	0	0	200	0	0	0	0	0	144	144	0	0	0	0	144
7500	0	0	0	100	0	0	0	0	0	111	111	0	0	0	0	111
7500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7500	0	0	3000	0	0	315	0	0	0	0	315	0	0	0	0	315
7500	0	0	2000	0	0	309	0	0	0	0	309	0	0	0	0	309
7500	0	0	1500	0	0	302	0	0	0	0	302	0	0	0	0	302
7500	0	0	1000	0	0	290	0	0	0	0	290	0	0	0	0	290
7500	0	0	800	0	0	280	0	0	0	0	280	0	0	0	0	280
7500	0	0	600	0	0	266	0	0	0	0	266	0	0	0	0	266
7500	0	0	400	0	0	236	0	0	0	0	236	0	0	0	0	236
7500	0	0	200	0	0	161	0	0	0	0	161	0	0	0	0	161
7500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7500	0	700	0	0	0	0	57	0	0	0	57	0	0	222	222	279
7500	0	600	0	0	0	0	65	0	0	0	65	0	0	204	204	269
7500	0	500	0	0	0	0	75	0	0	0	75	0	0	184	184	259
7500	0	400	0	0	0	0	81	0	0	0	81	0	0	159	159	240
7500	0	300	0	0	0	0	77	0	0	0	77	0	0	130	130	207
7500	0	200	0	0	0	0	70	0	0	0	70	0	0	92	92	162
7500	0	100	0	0	0	0	49	0	0	0	49	0	0	48	48	97
7500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7500	8000	0	0	0	0	0	0	0	0	0	0	604	0	0	604	604
7500	6000	0	0	0	0	0	0	0	0	0	0	604	0	0	604	604
7500	5000	0	0	0	0	0	0	0	0	0	0	604	0	0	604	604
7500	4000	0	0	0	0	0	0	0	0	0	0	600	0	0	600	600
7500	3500	0	0	0	0	0	0	0	0	0	0	593	0	0	593	593
7500	3000	0	0	0	0	0	0	0	0	0	0	586	0	0	586	586
7500	2500	0	0	0	0	0	0	0	0	0	0	578	0	0	578	578
7500	2000	0	0	0	0	0	0	0	0	0	0	561	0	0	561	561
7500	1500	0	0	0	0	0	0	0	0	0	0	533	0	0	533	533
7500	1000	0	0	0	0	0	0	0	0	0	0	491	0	0	491	491
7500	800	0	0	0	0	0	0	0	0	0	0	467	0	0	467	467
7500	600	0	0	0	0	0	0	0	0	0	0	426	0	0	426	426
7500	400	0	0	0	0	0	0	0	0	0	0	325	0	0	325	325
7500	200	0	0	0	0	0	0	0	0	0	0	188	0	0	188	188
7500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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E-009543

E—009543

Component Refinement **CALFED Bay-Delta Program**

SINGLE COMPONET SENSITIVITY RUNS - DRY YEAR AVERAGES - ENV=1 EXISTING CONDITIONS

INPUT (STO in TAF and CONV in CFS)						DRY YEAR AVERAGE EXPORTS						DRY YEARAVERAGE OUT Q's				DRY
DELTA CONV	N DELTA STO	IN-DELTA STO	S DELTA STO	N GW STO	S GW STO	S Delta Export	In-Delta Export	N Delta Export	S CU Export	N gw Export	TOTAL EXPORT	N DELTA OUT Q's	N CU OUT Q'S	IN-DELTA OUT Q'S	TOTAL	GRAND TOTAL
7500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7500	0	0	0	0	500	0	0	0	37	0	37	0	0	0	0	37
7500	0	0	0	0	400	0	0	0	37	0	37	0	0	0	0	37
7500	0	0	0	0	300	0	0	0	37	0	37	0	0	0	0	37
7500	0	0	0	0	200	0	0	0	37	0	37	0	0	0	0	37
7500	0	0	0	0	100	0	0	0	37	0	37	0	0	0	0	37
7500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7500	0	0	0	700	0	0	0	0	0	350	350	0	0	0	0	350
7500	0	0	0	600	0	0	0	0	0	312	312	0	0	0	0	312
7500	0	0	0	500	0	0	0	0	0	271	271	0	0	0	0	271
7500	0	0	0	400	0	0	0	0	0	227	227	0	0	0	0	227
7500	0	0	0	300	0	0	0	0	0	183	183	0	0	0	0	183
7500	0	0	0	200	0	0	0	0	0	141	141	0	0	0	0	141
7500	0	0	0	100	0	0	0	0	0	102	102	0	0	0	0	102
7500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7500	0	0	3000	0	0	155	0	0	0	0	155	0	0	0	0	155
7500	0	0	2000	0	0	155	0	0	0	0	155	0	0	0	0	155
7500	0	0	1500	0	0	155	0	0	0	0	155	0	0	0	0	155
7500	0	0	1000	0	0	155	0	0	0	0	155	0	0	0	0	155
7500	0	0	800	0	0	155	0	0	0	0	155	0	0	0	0	155
7500	0	0	600	0	0	155	0	0	0	0	155	0	0	0	0	155
7500	0	0	400	0	0	153	0	0	0	0	153	0	0	0	0	153
7500	0	0	200	0	0	117	0	0	0	0	117	0	0	0	0	117
7500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7500	0	700	0	0	0	0	9	0	0	0	9	0	0	146	146	155
7500	0	600	0	0	0	0	17	0	0	0	17	0	0	139	139	156
7500	0	500	0	0	0	0	25	0	0	0	25	0	0	130	130	155
7500	0	400	0	0	0	0	42	0	0	0	42	0	0	111	111	153
7500	0	300	0	0	0	0	48	0	0	0	48	0	0	91	91	139
7500	0	200	0	0	0	0	43	0	0	0	43	0	0	69	69	112
7500	0	100	0	0	0	0	32	0	0	0	32	0	0	39	39	71
7500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7500	8000	0	0	0	0	0	0	0	0	0	0	443	0	0	443	443
7500	6000	0	0	0	0	0	0	0	0	0	0	443	0	0	443	443
7500	5000	0	0	0	0	0	0	0	0	0	0	443	0	0	443	443
7500	4000	0	0	0	0	0	0	0	0	0	0	443	0	0	443	443
7500	3500	0	0	0	0	0	0	0	0	0	0	443	0	0	443	443
7500	3000	0	0	0	0	0	0	0	0	0	0	443	0	0	443	443
7500	2500	0	0	0	0	0	0	0	0	0	0	443	0	0	443	443
7500	2000	0	0	0	0	0	0	0	0	0	0	406	0	0	406	406
7500	1500	0	0	0	0	0	0	0	0	0	0	334	0	0	334	334
7500	1000	0	0	0	0	0	0	0	0	0	0	263	0	0	263	263
7500	800	0	0	0	0	0	0	0	0	0	0	234	0	0	234	234
7500	600	0	0	0	0	0	0	0	0	0	0	206	0	0	206	206
7500	400	0	0	0	0	0	0	0	0	0	0	177	0	0	177	177
7500	200	0	0	0	0	0	0	0	0	0	0	112	0	0	112	112
7500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Stein Buer Component Refinement										Average of All Water Years					
Input Variables									Output	Averaged over Period of Record					
								Exports						Outflows	
Delta Conv	N Delta St	In Delta St	S Delta St	N GW St	S GW St	South Stor	In-Delta	North Stor	South CU	North GW	Total	North	North CU	In-Delta	Total
SWP=1,ENV=0	Dual Component Sensitivity, North of Delta Surface Storage + 500 TAF gw														
7500	0	0	0	500	0	0	0	0	0	214	214	0	0	0	0
	200			500		0	0	139	0	214	353	0	0	0	0
	400			500		0	0	221	0	214	435	0	0	0	0
	600			500		0	0	252	0	214	466	0	0	0	0
	800			500		0	0	266	0	214	480	0	0	0	0
	1000			500		0	0	279	0	214	493	0	0	0	0
	1500			500		0	0	307	0	214	521	0	0	0	0
	2000			500		0	0	327	0	214	541	0	0	0	0
	13000			500		0	0	361	0	214	575	0	0	0	0
	8000			500		0	0	356	0	214	570	0	0	0	0
	3000			500		0	0	351	0	214	565	0	0	0	0
SWP=1,ENV=0	Dual Component Sensitivity, In Delta + 500 TAF GW + 3,000 TAF surface														
7500															
	3000	700		500		0	0	351	0	214	565	0	0	265	265
	3000	600		500		0	0	351	0	214	565	0	0	256	256
	3000	500		500		0	0	351	0	214	565	0	0	241	241
	3000	400		500		0	0	351	0	214	565	0	0	221	221
	3000	300		500		0	0	351	0	214	565	0	0	189	189
	3000	200		500		0	1	351	0	214	566	0	0	147	147
	3000	100		500		0	1	351	0	214	566	0	0	83	83
SWP=.5,ENV=.5	Single														
7500															
	0	0		0		0	0	0	0	0	0	0	0	0	0
	200	0		0		0	0	125	0	0	125	97	0	0	97
	400	0		0		0	0	195	0	0	195	179	0	0	179
	600	0		0		0	0	249	0	0	249	243	0	0	243
	800	0		0		0	0	286	0	0	286	282	0	0	282
	1000	0		0		0	0	310	0	0	310	308	0	0	308
	1500	0		0		0	0	349	0	0	349	341	0	0	341
	2000	0		0		0	0	372	0	0	372	362	0	0	362
	2500	0		0		0	0	386	0	0	386	375	0	0	375
	3000	0		0		0	0	401	0	0	401	390	0	0	390
	4000	0		0		0	0	429	0	0	429	414	0	0	414
	5000	0		0		0	0	441	0	0	441	428	0	0	428
	8000	0		0		0	0	462	0	0	462	451	0	0	451
Single Component Sensitivity, SWP=1, South of Delta Storage, with Through Delta Conveyance															
10300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10300	0	0	200	0	0	270	0	0	0	0	270	0	0	0	0
10300	0	0	400	0	0	394	0	0	0	0	394	0	0	0	0
10300	0	0	600	0	0	483	0	0	0	0	483	0	0	0	0
10300	0	0	800	0	0	543	0	0	0	0	543	0	0	0	0
10300	0	0	1000	0	0	586	0	0	0	0	586	0	0	0	0
10300	0	0	1500	0	0	652	0	0	0	0	652	0	0	0	0

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not plotted

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				Average of 3/28-2/35													
			Output	Averaged over March 1928-February 1935													
				Exports						Outflows							
Grand Total		South Stor	In-Delta	North Stor	South CU	North GW	Total	North	North CU	In-Delta	Total	Grand Total					
		0	0	0	0	168	168	0	0	0	0	168					
353		0	0	109	0	168	276	0	0	0	0	276					
435		0	0	162	0	168	330	0	0	0	0	330					
466		0	0	190	0	168	358	0	0	0	0	358					
480		0	0	219	0	168	387	0	0	0	0	387					
493		0	0	248	0	168	415	0	0	0	0	415					
521		0	0	319	0	168	487	0	0	0	0	487					
541		0	0	390	0	168	558	0	0	0	0	558					
575		0	0	488	0	168	656	0	0	0	0	656					
570		0	0	488	0	168	656	0	0	0	0	656					
565		0	0	488	0	168	656	0	0	0	0	656					
0																	
0																	
830		0	0	488	0	168	656	0	0	115	115	770					
821		0	0	488	0	168	656	0	0	115	115	770					
806		0	0	488	0	168	656	0	0	115	115	770					
786		0	0	488	0	168	656	0	0	115	115	770					
754		0	0	488	0	168	656	0	0	115	115	770					
713		0	7	488	0	168	663	0	0	97	97	760					
649		0	12	488	0	168	668	0	0	56	56	724					
0		0	0	0	0	0	0	0	0	0	0	0					
222		0	0	61	0	0	61	56	0	0	56	117					
374		0	0	93	0	0	93	89	0	0	89	182					
492		0	0	108	0	0	108	103	0	0	103	210					
568		0	0	122	0	0	122	117	0	0	117	239					
618		0	0	136	0	0	136	131	0	0	131	268					
690		0	0	172	0	0	172	167	0	0	167	339					
734		0	0	197	0	0	197	203	0	0	203	400					
761		0	0	197	0	0	197	203	0	0	203	400					
791		0	0	197	0	0	197	203	0	0	203	400					
843		0	0	197	0	0	197	203	0	0	203	400					
869		0	0	197	0	0	197	203	0	0	203	400					
913		0	0	197	0	0	197	203	0	0	203	400			Gradient, South of Delta Storage,		
															with no other storages on line		
															So'D stor	Supply	dy/dx
0		0	0	0	0	0	0	0	0	0	0	0		24	0	0	
270		149	0	0	0	0	149	0	0	0	0	149			200	270	1.3500
394		226	0	0	0	0	226	0	0	0	0	226			400	394	0.6200
483		273	0	0	0	0	273	0	0	0	0	273			600	483	0.4450
543		301	0	0	0	0	301	0	0	0	0	301			800	543	0.3000
586		330	0	0	0	0	330	0	0	0	0	330			1000	586	0.2150
652		371	0	0	0	0	371	0	0	0	0	371			1500	652	0.1320

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10300	0	0	2000	0	0	694	0	0	0	0	694	0	0	0	0
10300	0	0	2500	0	0	735	0	0	0	0	735	0	0	0	0
10300	0	0	3000	0	0	763	0	0	0	0	763	0	0	0	0
Dual Component Sensitivity, SWP=1, South of Delta Storage, with through Delta Conveyance															
10300	0	0	0	0	500	0	0	0	128	0	128	0	0	0	0
10300	0	0	200	0	500	270	0	0	105	0	375	0	0	0	0
10300	0	0	400	0	500	394	0	0	84	0	479	0	0	0	0
10300	0	0	600	0	500	483	0	0	70	0	553	0	0	0	0
10300	0	0	800	0	500	543	0	0	64	0	607	0	0	0	0
10300	0	0	1000	0	500	586	0	0	58	0	645	0	0	0	0
10300	0	0	1500	0	500	652	0	0	49	0	700	0	0	0	0
10300	0	0	2000	0	500	694	0	0	43	0	737	0	0	0	0
10300	0	0	2500	0	500	735	0	0	37	0	772	0	0	0	0
10300	0	0	3000	0	500	763	0	0	34	0	797	0	0	0	0
Effect of North of Delta Storage on South of Delta Storage					SWP=1, Vary South of Delta Storage, with GW, through Delta, and North of Delta										
10300	3000	0	0	500	500	0	0	453	113	233	798	0	0	0	0
10300	3000	0	200	500	500	142	0	453	93	233	921	0	0	0	0
10300	3000	0	400	500	500	203	0	453	79	233	968	0	0	0	0
10300	3000	0	600	500	500	231	0	453	74	233	991	0	0	0	0
10300	3000	0	800	500	500	251	0	453	70	233	1007	0	0	0	0
10300	3000	0	1000	500	500	265	0	453	69	233	1020	0	0	0	0
10300	3000	0	1500	500	500	297	0	453	64	233	1046	0	0	0	0
10300	3000	0	2000	500	500	318	0	453	61	233	1065	0	0	0	0
10300	3000	0	2500	500	500	334	0	453	59	233	1078	0	0	0	0
10300	3000	0	3000	500	500	346	0	453	57	233	1089	0	0	0	0

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694		371	0	0	0	0	371	0	0	0	0	371			2000	694	0.0840
735		371	0	0	0	0	371	0	0	0	0	371		24	2500	735	0.0820
763		371	0	0	0	0	371	0	0	0	0	371			3000	763	0.0560
128		0.0	0.0	0.0	42.9	0.0	42.9	0.0	0.0	0.0	0.0	42.9					
375		149.2	0.0	0.0	28.8	0.0	177.9	0.0	0.0	0.0	0.0	177.9					
479		226.2	0.0	0.0	14.7	0.0	240.9	0.0	0.0	0.0	0.0	240.9					
553		272.6	0.0	0.0	15.3	0.0	287.9	0.0	0.0	0.0	0.0	287.9					
607		301.1	0.0	0.0	8.8	0.0	309.9	0.0	0.0	0.0	0.0	309.9					
645		329.7	0.0	0.0	8.8	0.0	338.5	0.0	0.0	0.0	0.0	338.5					
700		371.3	0.0	0.0	0.0	0.0	371.3	0.0	0.0	0.0	0.0	371.3					
737		371.3	0.0	0.0	0.0	0.0	371.3	0.0	0.0	0.0	0.0	371.3					
772		371.3	0.0	0.0	0.0	0.0	371.3	0.0	0.0	0.0	0.0	371.3					
797		371.3	0.0	0.0	0.0	0.0	371.3	0.0	0.0	0.0	0.0	371.3					
															Gradient, South of Delta Storage,		
															with all others except in-Delta		
															So'D stor	Supply	dy/dx
798		0.0	0.0	447.4	30.8	166.6	644.8	0.0	0.0	0.0	0.0	644.8			0	0	
921		115.6	0.0	447.4	33.3	166.6	762.9	0.0	0.0	0.0	0.0	762.9			200	142	0.7100
968		172.7	0.0	447.4	27.7	166.6	814.5	0.0	0.0	0.0	0.0	814.5			400	203	0.3050
991		208.0	0.0	447.4	15.0	166.6	837.0	0.0	0.0	0.0	0.0	837.0		24	600	231	0.1400
1007		236.6	0.0	447.4	12.1	166.6	862.7	0.0	0.0	0.0	0.0	862.7			800	251	0.1000
1020		265.1	0.0	447.4	12.1	166.6	891.3	0.0	0.0	0.0	0.0	891.3			1000	265	0.0700
1046		311.2	0.0	447.4	0.0	166.6	925.2	0.0	0.0	0.0	0.0	925.2			1500	297	0.0640
1065		311.2	0.0	447.4	0.0	166.6	925.2	0.0	0.0	0.0	0.0	925.2			2000	318	0.0420
1078		311.2	0.0	447.4	0.0	166.6	925.2	0.0	0.0	0.0	0.0	925.2			2500	334	0.0320
1089		311.2	0.0	447.4	0.0	166.6	925.2	0.0	0.0	0.0	0.0	925.2			3000	346	0.0240

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