

CANAL	ORDER	TIME	METHOD	FRONT	BACK	PRESS.	DEPTH	WIDTH	SQ. INCHES	MULTIPL.	C. F. S.	METERING
C. M.												
NEWSIDE												
NEWSIDE 1												
DANDELION												
C.M. DEL 19												
C.M. Del. 21												
C.M. Del. 22												
C.M. Del. 23												
LILAC												
LAVENDER 1												
LAVENDER												
MALAN												
MANSFIELD												
C.M. Del. 15												
C.M. Del. 16												
BRYANT												
ROCKWOOD												
W. S. M.												
FOXGLOVE												
W.S.M. Pump 16												
W.S.M. Pump 16 B												
W.S.M. Pump 18												
W.S.M. Pump 18 B												
W.S.M. Del. 20												
W.S.M. Del. 23 A												
FLAX												
FILLAREE												
W.S.M. Del 21												
W.S.M. Del 22												
W.S.M. Del 24												
W.S.M. Del. 24 A												
W.S.M. Del. 24 B												
W.S.M. Del. 25												
W.S.M. Del. 26												
SUMAC												
THISTLE												
W.S.M. PUMP 17 A METER READING =												
W.S.M. PUMP 17 B METER READING =												

HYDROGRAPHER _____

DATE _____

State Water Resources Control Board
 Hearing Name IID Transfer - Phase I

Exhibit: 13

For Ident: _____ In Evidence: _____

CANAL	ORDER	TIME	METHOD	FRONT	BACK	PRESS.	DEPTH	WIDTH	SQ. INCHES	MULTIPL.	C. F. S.	METERING
C. M.												
NEWSIDE												
NEWSIDE 1												
DANDELION												
C.M. DEL 19												
C.M. Del. 21												
C.M. Del. 22												
C.M. Del. 23												
LILAC												
LAVENDER 1												
LAVENDER												
MALAN												
MANSFIELD												
C.M. Del. 15												
C.M. Del. 16												
BRYANT												
ROCKWOOD												
W. S. M.												
FOXGLOVE												
W.S.M. Pump 16												
W.S.M. Pump 16 B												
W.S.M. Pump 18												
W.S.M. Pump 18 B												
W.S.M. Del. 20												
W.S.M. Del. 23 A												
FLAX												
FILAREE												
W.S.M. Del 21												
W.S.M. Del 22												
W.S.M. Del 24												
W.S.M. Del. 24 A												
W.S.M. Del. 24 B												
W.S.M. Del. 25												
W.S.M. Del. 26												
SUMAC												
THISTLE												
W.S.M. PUMP 17 A METER READING =												
W.S.M. PUMP 17 B METER READING =												

**IMPERIAL IRRIGATION DISTRICT
WATER CONTROL
MAIN CANAL OPERATIONS**

3/5/02

- 07:45 A.M. CHECK WORMWOOD HEADING (Turned by Water Control Via Remote @ 7:30 A.M).
Confirm Orders with Zanjero.
- 08:00 A.M. METER WISTERIA LATERAL AND MAKE ADJUSTMENTS. (takes 30 minutes)
- 08:30 A.M. METER WOODBINE LATERAL AND MAKE ADJUSTMENTS. (takes 20 minutes)
- 09:00 A.M. TURN BIRCH LATERAL 3 AND SET ITS DELIVERIES. (Do Zanjero Run)
* The Hydrographer does the distribution of water to the users. It does not run
more than 3 heads at a time due to lateral capacity.
The lateral has 11 deliveries in its system; 33, 34, 35, 35A, 36, 37, 37A, 37B,
38, 40 & 40A.
- 09:20 A.M. REPORT ALL PERTINENT INFORMATION TO WATER CONTROL.
- 09:30 A.M. **START SECOND RUN:**
STARTING @ THE NEW RIVER CHECK, END @ THE FOXGLOVE CHECK
CHECK ALL RUNNING LATERALS, DELIVERIES AND FOR TAILWATER.
REPORT ALL ACCESS TAILWATER AND DAMAGED BOXES TO WATER CONTROL.
- GO TO SOUTHWEST OFFICE AND INPUT DATA INTO MAINFRAME.
GET ZANJERO SHEET FOR FOLLOWING DAY. SERVICE TRUCK
- TAKE 30 MINUTE LUNCH BREAK. (LUNCH BREAK TIME VARIES).
- 02:00 P.M. OFF DUTY.
- SUNDAYS: GET MMI READINGS @: NEW RIVER CHECK.
WISTARIA CHECK.
W.S.M. CHECK.
- MONDAYS: GET TAPES AND GAUGES @ FERN CHECK
- WEDNESDAYS: FERN CHECK:
FLUSH AUTOMATIC, CLEAN SCREEN, FUNNEL.
CLEAN INSIDE BUILDING AND AROUND STRUCTURE
- ON CHANGE OVER DAY, CLEAN THE TRUCK AND HAVE IT SERVICED AS NEEDED.
- WHEN PUMP PROBLEMS OCCURS, CALL UNIT 487, THE PUMP REPAIRMAN.

IMPERIAL IRRIGATION DISTRICT
WATER CONTROL
MAIN CANAL OPERATIONS

3/5/02

ALL AMERICAN / WEST SIDE MAIN CANALS
SOUTHWEST RUN

WESTSIDE MAIN CANAL

The Hydrographer Run starts above Foxglove Check and works towards the WSM Heading.

- 06:00 A.M. PUMP 15. FLOW IS MEASURABLE ONCE RUNNING
- 06:05 A.M. TURN DELIVERIES 14 & 14A.
- 06:10 A.M. TURN DELIVERY 13A
- 06:15 A.M. PUMP 13. Gate stays open, Hydrographer monitors flow.
- 06:20 A.M. PUMP 6. Gate stays open, Hydrographer monitors flow.
- 06:25 A.M. TURN FERN SIDE MAIN HDG.
- 06:30 A.M. TURN FERN HDG. (Chart)
- 06:35 A.M. TURN DELIVERIES 11, 10 & 8 .
- PUMPS 3, 2 & 2a. Gates stay open. Water Users Turns Pumps ON.
Hydrographer monitors flow.
- PUMPS 1, 1A & A. Gates stay open. Water Users Turn Pumps ON.
Hydrographer monitors flow.

ALL AMERICAN CANAL

- 06:50 A.M. TURN A.A.C. DELIVERIES 25.
- 06:55 A.M. CHECK WISTARIA PUMP 2. (Zanjero turns them On).
- 07:00 A.M. WISTARIA HEADING (Turned by Water Control Via Remote at 6:45 A.M.).
Verify orders with Zanjero
- 07:05 A.M. TURN A.A.C. DELIVERY 28.
- 07:10 A.M. CHECK WOODBINE LATERAL. Preset by Zanjero @ 6:30 A.M.
- 07:15 A.M. TURN A.A.C. DELIVERY 29.
- 07:20 A.M. CHECK WOODBINE LATERAL 2. Preset by Zanjero @ ?
- 07:25 A.M. CHECK WOODBINE LATERAL 3. Preset by Zanjero @ ?
- 07:30 A.M. TURN A.A.C. DELIVERY 30, 31 & 32.
- 07:35 A.M. WALNUT HEADING (Turned by Water Control Via Remote @ Hydrographer's request).
Hydrographer does Zanjero Run. Has Two Deliveries, 3 & 3A.
- 07:40 A.M. TURN A.A.C. DELIVERY 33. Large Pump & small Pump.

SITE NAME	TIME	POND GAUGE	D.S. GAUGE	GATE 1	GATE 2	GATE 3	GATE 4	TOTAL G.O.
W.S.M. FERN CHECK		S.G. = Tape =	S.G. = Tape =	TAPE =	TAPE =	TAPE =	TAPE =	
A.A.C. NEW RIVER CHECK		S.G. = Tape =	S.G. = Tape =	TAPE =	TAPE =			
AUTOMATIC SPILL GATE				TAPE =				
A.A.C. WISTERIA CHECK		S.G. = Tape =	S.G. = Tape =	TAPE =	TAPE =	TAPE =	TAPE =	
A.A.C. AT THE W.S.M. MAIN T.O.		S.G. = Tape =	S.G. = Tape =	TAPE =	TAPE =			
	TIME	STAFF GAUGE						
WOODBINE T.O.								
W.S.M. WEIR ONE								
W.S.M. # 1 METER BRIDGE								
W.S.M. PUMP 1								
REMARKS								

HYDROGRAPHER _____

DATE _____

BIRCH PUMP 2 METER READING - M.G. =										C.F.S. =							
CANAL	ORDER	TIME	METHOD	FRONT	BACK	PRESS.	DEPTH	WIDTH	SQ. INCHES	MULTIPL.	C.F.S.	METERING & Staff Gauge.					
A.A.C. Del 24																	
A.A.C. Del 25																	
A.A.C. Del 25B																	
BIRCH LATERAL 3																	
A.A.C. Del 26 / 27																	
WISTERIA PUMP 2																	
WISTERIA T.O.																	
A.A.C. Del 28																	
WOODBINE T.O.																	
A.A.C. Del 29																	
WOODBINE LATERAL 2																	
A.A.C. Del 30																	
WOODBINE LATERAL 3																	
A.A.C. Del 31																	
A.A.C. Del 32																	
WALNUT																	
WORMWOOD T.O.																	
A.A.C. Del 33																	
TOTAL																WSM WEIR ONE =	
W.S.M. Pump A																	
W.S.M. Pump B																	
W.S.M. Pump 1A																	
W.S.M. Pump 1																	
W.S.M. Pump 2A																	
W.S.M. Pump 2																	
W.S.M. Pump 3																	
W.S.M. Pump 6																	
W.S.M. DEL 8																	
W.S.M. DEL 10																	
W.S.M. DEL 11																	
FERN MAIN																	
FERN SIDEMAIN																	
W.S.M. Pump 13																	
W.S.M. Del 13A																	
W.S.M. Del 14																	
W.S.M. Del 14A																	
W.S.M. Pump 15																	
TOTAL																HYDROGRAPHER	DATE

CANAL	ORDER	TIME	METHOD	FRONT	BACK	PRESS.	DEPTH	WIDTH	SQ. INCHES	MUPLI.	C. F. S.	METERING
A.A.C.												
A.A.C. Del 24												
A.A.C. Del 25												
A.A.C. Del 25B												
BIRCH LATERAL 3												
A.A.C. Del 26 / 27												
WISTERIA PUMP 2												
WISTERIA T.O.												
A.A.C. Del 28												
WOODBINE T.O.												
A.A.C. Del 29												
WOODBINE LATERAL 2												
A.A.C. Del 30												
WOODBINE LATERAL 3												
A.A.C. Del 31												
A.A.C. Del 32												
WALNUT												
WORMWOOD T.O.												
A.A.C. Del 33												
TOTAL												
W.S.M.												
W.S.M. Pump A												
W.S.M. Pump B												
W.S.M. Pump 1A												
W.S.M. Pump 1												
W.S.M. Pump 2A												
W.S.M. Pump 2												
W.S.M. Pump 3												
W.S.M. Pump 6												
W.S.M. DEL 8												
W.S.M. DEL 10												
W.S.M. DEL 11												
FERN MAIN												
FERN SIDEMAIN												
W.S.M. Pump 13												
W.S.M. Del 13A												
W.S.M. Del 14												
W.S.M. Del 14A												
W.S.M. Pump 15												
TOTAL												

HYDROGRAPHER _____

DATE _____

IMPERIAL IRRIGATION DISTRICT
WATER CONTROL
MAIN CANAL OPERATIONS

3/5/02

WESTSIDE MAIN CANAL
THORN RUN

6:00 A.M. Westmorland Office. Pick up run sheets and check orders.
Delivery 50 - pump - turned On/Off by water user.

6:20 A.M. Thorn Heading
Delivery 51
Delivery 52

6:25 A.M. Thorn 1 Heading
Delivery 55

6:30 A.M. Tuberose Heading
Delivery 56
TUBEROSE CHECK - Three electric Dropleaf Gates - One Automatic Gate
Maintain approx. 18" G.O. Normal pond level = 2.90
Delivery 57
Delivery 58

6:35 A.M. Turnip Heading
Delivery 59
Sandal Heading - turned by Zanjero # 173 at 6:15 A.M.
TURNIP CHECK - Power plant - self regulating. Normal pond level = 3.40
Delivery 60
CHECK 60
Delivery 62
Delivery 64
Spruce Heading - turned by Zanjero # 173 at 6:30 A.M.
SPRUCE CHECK - Maintain Automatic @ 15" G.O. Normal pond level = 1.30
Spruce Weir - Chart - (compare flow to order)
Delivery 65
CHECK 65
Delivery 66

7:00 A.M. Tamarack Heading
TAMARACK CHECK. Normal pond level = 3.50
Delivery 67
CHECK 67. Normal pond level = 1.50

7:05 A.M. Trifolium 1 Heading
Delivery 68
TRIFOLIUM 1 CHECK. Normal pond level = 6.40
Turnip Spill into the WSM - Monitor return spill from Lat. using Data Logger / BC Weir.

7:10 A.M. Trifolium 2 Heading
Delivery 69
TRIFOLIUM 2 CHECK. Normal pond level = 5.50
Tuberose Spill into the WSM - Monitor return spill from Lat. using Data Logger / BC Weir.
Trifolium 3 Heading
Delivery 72
TRIFOLIUM 3 CHECK. No gauge / use black line.
Thorn 1 Spill into the WSM - Monitor return spill from Lat. using Data Logger / BC Weir.

7:20 A.M. Trifolium 4 Heading
Delivery 73
Delivery 74
TRIFOLIUM 4 CHECK. Normal pond level = 3.00
Thorn Spill into the WSM - Monitor return spill from Lat. using Data Logger / BC Weir.

**IMPERIAL IRRIGATION DISTRICT
WATER CONTROL
MAIN CANAL OPERATIONS**

3/5/02

7:25 A.M. Trifolium 5 Heading
TRIFOLIUM 5 CHECK. Normal pond level = 10.50
Delivery 75
Delivery 76
Delivery 76A
Westmorland Spill into the WSM - Monitor return spill from Lat. using Data Logger / BC Weir.

7:30 A.M. Trifolium 6 Heading
Delivery 77
TRIFOLIUM 6 CHECK. Normal pond level = 9.50
Sumac Spill into the WSM - Monitor return spill from Lat. using Data Logger / BC Weir.
Trifolium 7 Heading
Delivery 78
Delivery 79

7:40 A.M. Trifolium 8 Heading
Delivery 80
Thistle 4 Spill into the WSM - Monitor return spill from Lat. using Data Logger / BC Weir.
Thistle 5 Spill into the WSM - Monitor return spill from Lat. using Data Logger / BC Weir.
Delivery 81
Trifolium 9 Heading

7:45 A.M. TRIFOLIUM 9 CHECK. Normal pond level = 6.30
Thistle Main Spill into the WSM - Monitor return spill from Lat. using Data Logger / BC Weir.
Trifolium 10 Heading
Delivery 82
TRIFOLIUM 10 CHECK. Normal pond level = 4.40
Thistle 7 Spill into the WSM - Monitor return spill from Lat. using Data Logger / BC Weir.
Thistle 8 Spill into the WSM - Monitor return spill from Lat. using Data Logger / BC Weir.

7:55 A.M. Trifolium 11 Heading
Delivery 83
Delivery 84

8:00 A.M. Trifolium 12 Heading
Delivery 85
Delivery 86
Delivery 87
Delivery 88

8:05 A.M. Trifolium 13 Heading
Delivery 89
Delivery 90
TRIFOLIUM 13 CHECK - Automated - three dropleaf gates - pond level control = 2.00
Delivery 91
Delivery 92
Delivery 93
CHECK 91. Normal pond level = 8.80
Delivery 94

8:15 A.M. Trifolium 14 Heading - Turned by Zanjero @ 7:30 A.M.
Delivery 95
Delivery 96
TRIFOLIUM 14 CHECK. Normal pond = 6.50
Delivery 97
Delivery 98

8:25 A.M. Trifolium 15 Heading - Turned by Zanjero @ 7:40 A.M.

8:30 A.M. Trifolium 16 Heading - Turned by Zanjero @ 7:45 A.M.
TRIFOLIUM 16 CHECK. Normal pond level = 3.80

**IMPERIAL IRRIGATION DISTRICT
WATER CONTROL
MAIN CANAL OPERATIONS**

3/5/02

Delivery 99A
Delivery 99
CHECK 99
Delivery 100
Delivery 102
Delivery 99

CHECK 102

8:45 A.M. Trifolium Extension Pond - Automated. Pond level control = 6.20
Trifolium Extension Heading - Automated - Monitors flow over BC Weir
Carter Reservoir - Fully automated and operated by Water Control via remote.
Receives excess flows from the WSM. Supplements flow to the Trif. Ext. Lat.
Two pumps are used to pump up to 50 c.f.s. into the Trifolium Extension Lat.

9:00 A.M. Proceed to the Northend Division Office. Input pertinent information in the Main Frame.
Report to Water Control all pertinent information.
Service Vehicle.

9:45 A.M. Lunch Break (time varies depending on workload).

10:15 A.M. Return to start of Run. Begin Second Run.
Recheck and adjust lateral headings and deliveries.
Check and report excess tailwater and damaged tailboxes to water control.

2:00 P.M. End of Shift

Run Maintenance Program:

- * Flush Automatic Gates Once Per Week - clean screen / gauge & funnel.
- * Run funnel up & down several inches to keep from freezing in place.
 - Monday - Tuberose Check.
 - Tuesday - Turnip Check
 - Wednesday - Spruce Check
- * Maintain all the Gauges on the Run READABLE.
- * Pull Trash, clear growth from around Checks, Lateral Headings and Deliveries.
- * Keep Control House at Carter Reservoir CLEAN.

Lateral Discharge to WSM Data Loggers:

- Daily - Retrieve 24 hour average reading. Use function 40
- * Daily - check batteries voltage (function 32). If under 11.6 volts, change batteries (function 51).
- Weekly - Erase Ram DSP (function 54)
- Weekly - measure level of flow over weir and compare to Logger reading.
- * Minor trouble shooting abilities required of Hydrographer:
 - Change batteries
 - Start/Stop Loggers
 - Reset Data Logger when it locks up.
 - Erase Ram DSP (Data Storage Pack)
- Clone System when it goes corrupt.
- Check flow over BCW and cross check with Stilling Well water level and Logger reading.
- * If Well is plugged, it's reading will not match with BCW hand measurement.
- * If Logger reading does not match Well reading, Logger reading is incorrect.

**IMPERIAL IRRIGATION DISTRICT
WATER CONTROL
MAIN CANAL OPERATIONS**

3/5/02

	Flow Capacities
Passing WSM Below # 8 Check	625 c.f.s.
Passing Spruce Weir	390 c.f.s.
Passing Trifolium 2 Check	350 c.f.s.
Passing Check 99	200 c.f.s.

Westside Main Thorn Run

Canal	Order	Discharge	Canal	Order	Discharge	Canal	Order	Discharge
del 50			Trif 2 Hdg			Trif 11 Hdg		
Thorn Hdg			del 69			del 83		
del 51			del 70			del 83A		
del 52			del 71			del 84		
Thorn 1 Hdg			Passing Trif 2 Check			0 Trif 12 Hdg		
del 55			Trif 3 Hdg			del 85		
Tuberose Hdg			del 72			del 86		
del 56			Passing Trif 3 Check			0 del 87		
Passing Tuberose Check			0 Trif 4 Hdg			del 88		
del 57			del 73			del 89		
Turnip Hdg			del 74			Trif 13 Hdg		
del 59			Passing Trif 4 Check			0 del 90		
Sandal Hdg			del 75			Passing Trif 13 Check		0
Passing Turnip Check			0 Trif 5 Hdg			del 91		
del 60			Passing Trif 5 Check			0 del 92		
Passing Check # 60			0 Trif 6 Hdg			del 93		
Spruce Hdg			del 77			Passing Check # 93		0
del 62			Passing Trif 6 Check			0 Trif 14 Hdg		
del 64			Trif 7 Hdg			del 94		
Passing Spruce Check			0 del 78			Passing Trif 14 Check		0
del 65			del 79			del 97		
Passing Check # 65			0 Trif 8 Hdg			del 98		
Tamarack Hdg			del 80			Trif 15 Hdg		
del 66			del 81			Trif 16 Hdg		
Passing Tamarack Check			0 Trif 9 Hdg			Passing Trif 16 Check		0
del 67			Passing Trif 9 Check			0 del 99		
Passing Check # 67			0 Trif 10 Hdg			Passing Check # 99		0
del 68			del 82			del 100		
Trif 1			Passing Trif 10 Check			0 del 102		
Passing Trif 1 Check			0			Trif Ext Hdg		
Spills	24 hour	Ordered	Checks	Auto	Manual	Total Orders		0
Turnip			Check 60	80	-18	Gain		
Tuberose			Spruce	80	-16	Loss		
Thorn 1			Check 65	80	-16	Spill		0
Thorn			Tamarack	70	-16	Total below # 8 Hdg		0
Westmorland			Check 67	70	-16			
Sumac			Trif 1	70	-13			
Thistle 4			Trif 2	60	-13			
Thistle 5			Trif 4	50	-17			
Thistle Main			Trif 5	50	-10			
Thistle 7			Trif 6	50	-10			
Thistle 8			Trif 9	40	-11			
			Trif 10	40	-11			
			Check 93	40	-8			
			Trif 14	40	-8			
			Trif 16	40	-8			
			Check 99	40	-8			

Name _____ Date _____

IID-254S (R3 12-92) - HYDROGRAPHER'S RECORD - GATE MEASUREMENTS - WESTSIDE MAIN - THORN RUN

CANAL	ORDER	TIME	METHOD	FRONT	BACK	PRESSURE	DEPTH	WIDTH	DISCHARGE	SQ. IN MULT. PRESSURE MEAS.	
Thorn Hdg											Storm Drain
Thorn 1 Hdg											11A
Tuberose Hdg											12N
Turnip Hdg											1
Sandal Hdg											2
Spruce Hdg											3
Tamarack Hdg											4
Trif. 2 Hdg											5
Trif. 3 Hdg											6
Trif. 4 Hdg											7
Trif. 5 Hdg											8
Trif. 6 Hdg											9
Trif. 7 Hdg											10
Trif. 8 Hdg											11
Trif. 9 Hdg											12MN
Trif. 10 Hdg											1
Trif. 11 Hdg											2
Trif. 12 Hdg											3
Trif. 13 Hdg											4
Trif. 14 Hdg											5
Trif. 15 Hdg											6
Trif. 16 Hdg											7
Del											8
Del											9
Del											10A
Del											
Del											
Del											
Del											
Del											
Del											
Del											
Del											
Del											
Del											
Del											
Del											
Del											

NAME _____ DATE _____

IMPERIAL IRRIGATION DISTRICT
WATER CONTROL
MAIN CANAL OPERATIONS

3/5/02

CENTRAL MAIN CANAL
DAHLIA RUN

05:30 A.M. Report to Southwest Division Office to pick-up Zanjero Sheet.

05:45 A.M. TURN EUCALYPTUS LATERAL

05:50 A.M. TURN ELDER LATERAL

05:55 A.M. TURN RICE LATERAL

06:00 A.M. TURN EVERGREEN LATERAL

06:05 A.M. TURN C.M. DELIVERIES 9, 10, 11, 12, 13.

06:15 A.M. TURN DAHLIA LATERAL

06:17 A.M. TURN C.M. DELIVERIES 3, 4, 6, 7.

06:30 A.M. TURN DOGWOOD LATERAL. CHECK ORDERS WITH ZANJERO

06:35 A.M. TURN C.M. DELIVERIES 1A, 1B.

06:40 A.M. TURN BEECH LATERAL

06:45 A.M. HEAD UPSTREAM, TURN BRIAR DELIVERIES 7, 6, 5, 4, 3, 2 & 1.

07:00 A.M. TURN BIRCH LATERAL

07:05 A.M. TURN BIRCH DELIVERIES.

7:20 A.M. CHECK POND, GATE OPENING, AND DISCHARGE READINGS @ ALAMITOS CHECK TO CONFIRM ORDER. MEASURE DELIVERIES RUNNING UPSTREAM OF THE CHECK. THEY ARE PART OF SOUTHWEST DIRECT DELIVERIES.

07:30 A.M. TURN BRIAR DELIVERIES 8 & 9.

07:40 A.M. CHECK ACACIA LATERAL. TURNED VIA REMOTE BY WCC @ 7:30 A.M.

07:45 A.M. CHECK ALDER LATERAL. TURNED VIA REMOTE BY WCC @ 7:00 A.M.

08:00 A.M. METER DOGWOOD LATERAL AND ADJUST TO ORDER.

08:30 A.M. GET GAUGE READINGS @ DOUBLE WEIR POND & D.S. Flush automatics weekly.
If pond is not maintaining normal level it is necessary to flush both automatics.

08:50 A.M. CHECK BRIAR AUTOMATIC DISCHARGE TO C.M. & BRIAR 7 POND ELEVATION.
If pond is not maintaining normal level it is necessary to flush automatics.

BRIAR	ORDER	DELIVERED	BRIAR CHANGES	CENTRAL MAIN CHANGES
Briar B			TOTAL	TOTAL
Briar C				
Briar D				
Briar E				
Briar 1			DAILY GAUGES	
Briar 2			ALAMITOS CHECK POND GAUGE =	
Briar 3			OLD BRIAR GATE OPENING =	DISCHARGE =
BIRCH				
Briar 4			BRIAR 6 POND GAUGE =	
Briar 5			BRIAR 7 POND GAUGE =	
Briar 6			DAHLIA CANAL STAFF GAUGE =	
BEECH				
Briar 7			WEEKLY READINGS	
Briar 8			DAHLIA CHECK	TIME =
Briar 9			POND = D.S. =	TOTAL G.O. =
ACACIA				AUTO DISC. =
ALDER				
Briar Automatic			CENTRAL MAIN CHECK	TIME =
LOSS			POND = D.S. =	TOTAL G.O. =
BRIAR TOTAL				DISCHARGE =
CENTRAL MAIN				
Delivery 1A			BRIAR SYPHON POND =	
Delivery 1B			DOUBLE WEIR POND =	
DOGWOOD			DISCH. BELOW DAHLIA =	
Delivery 1D				
Delivery 3				
SOUTH DATE				
Delivery 4			12 - HOUR RUNS =	
Delivery 5			VEHICLE MILEAGE =	
Delivery 6			TOTAL MINUTES =	
Delivery 7			VEHICLE # =	
Delivery 8				
DAHLIA				
Delivery 9				
Delivery 10				
EVERGREEN				
Delivery 11				
Delivery 12				
Delivery 13				
RICE				
EUCALYPTUS				
ELDER				
TOTAL				

HYDROGRAPHER _____

DATE _____

CANAL / DELV.	ORDER	TIME	METHOD	FRONT	BACK	PRESS.	DEPTH	WIDTH	SQ. INCHES	MULTIPL.	C. F. S.	METER
Briar B												
Briar C												
Briar D												
Briar E												
Briar 1												
Briar 2												
Briar 3												
BIRCH												
Briar 4												
Briar 5												
Briar 6												
BEECH												
Briar 7												
Briar 8												
Briar 9												
ACACIA												
ALDER												
Briar Automatic												
BRIAR TOTAL												
Delivery 1A												
Delivery 1B												
DOGWOOD												
Delivery 1D												
Delivery 3												
SOUTH DATE												
Delivery 4												
Delivery 5												
Delivery 6												
Delivery 7												
Delivery 8												
DAHLIA												
Delivery 9												
Delivery 10												
EVERGREEN												
Delivery 11												
Delivery 12												
Delivery 13												
RICE												
EUCALYPTUS												
ELDER												
TOTAL												

HYDROGRAPHER _____

DATE _____

IMPERIAL IRRIGATION DISTRICT
WATER CONTROL
MAIN CANAL OPERATIONS

3/5/02

EAST HIGHLINE CANAL
CHECK 11 RUN

EHL

05:45 A.M.	LATERAL 5. Unlock gate for Zanjero. Leave Gate Opening on Yellow Slip.	
05:50 A.M.	LATERAL 6. Unlock gate for Zanjero. Leave Gate Opening on Yellow Slip.	
05:55 A.M.	TURN LATERAL 7.	
06:00 A.M.	TURN LATERAL 8.	
06:05 A.M.	TURN PEAR LATERAL.	
06:10 A.M.	TURN LATERAL 10.	
06:15 A.M.	TURN LATERAL 11.	
06:20 A.M.	TURN LATERAL 12.	
06:25 A.M.	TURN LATERAL 13.	
06:30 A.M.	TURN DELIVERY 13A.	
06:35 A.M.	TURN LATERAL 14.	
06:40 A.M.	TURN LATERAL 16.	
06:45 A.M.	TURN PALMETTO.	
06:50 A.M.	TURN PAMPAS.	Zanjero unit # 326. Zanjero presets headings @ 6:30 A.M. Hydrographer checks & resets.
06:55 A.M.	TURN PEACH.	"
07:00 A.M.	TURN PLUM.	"
07:05 A.M.	TURN PINE.	"
07:10 A.M.	TURN PALM.	Zanjero unit # 327. Zanjero presets headings @ 6:30 A.M. Hydrographer checks & resets.
07:15 A.M.	TURN POMELO.	"
07:20 A.M.	TURN PEPPER.	"
07:25 A.M.	TURN PANSY	"

**IMPERIAL IRRIGATION DISTRICT
WATER CONTROL
MAIN CANAL OPERATIONS**

3/5/02

CONTROL BUILDINGS AND PEDESTALS ARE TO BE KEPT CLEAN.

MONDAYS: EHL CHECK 11
TUESDAYS: ROSITAS TURNOUT & STATION 75 PEDESTAL
WEDNESDAYS: REDWOOD HEADING PEDESTAL
THURSDAYS: ROSE & RUBBER MODULE BLDG.
FRIDAYS: FLUSH AUTOMATIC, CLEAN SCREEN & GENERAL MAINTENANCE.

SUNDAYS: GET MMI READINGS:
EHL CHECK 11
ROSITAS TURNOUT PEDESTAL
ROSITAS STATION 75
REDWOOD HEADING PEDESTAL
ROSE & RUBBER

MONTHLY: CHANGE A/C & AIR VENT FILTERS ON THE 1st OF EACH MONTH.
DO NOT REPLACE IF THEY ARE STILL CLEAN.

CHANGEOVER DAY: SERVICE TRUCK, WASH OUTSIDE AND CLEAN THE INSIDE.
LEAVE BOOKS IN TRUCK AND MAKE SURE EVERYTHING NEEDED IS PROVIDED.
RELATE NECESSARY INFORMATION TO THE INCOMING RELIEF.

EAST HIGHLINE	ORDER	DELIVERED	CHECK 11	TIME	POND GAUGE	TOTAL G.O.	ASH 30	
LATERAL 5					S.G. =		6AM	
LATERAL 6							7AM	
LATERAL 7			ROSITAS	TIME	POND GAUGE	TOTAL G.O.	8AM	
LATERAL 8					S.G. =		9AM	
PEAR							10AM	
LATERAL 10			ROSITAS 75	TIME	STAFF GAUGE		11AM	
LATERAL 11					S.G. =		12AM	
PUMP 10							1PM	
LATERAL 12							2PM	
LATERAL 13			ROSITAS SPILLS	WIDTH	INCHES OF O.P.	DISCHARGE	3PM	
DELV.13A			PALMETTO	48			4PM	
LATERAL 14			PEAR	48			5PM	
LATERAL 16			NINTH STREET	36			6PM	
ROSITAS			ASH MAIN	72			7PM	
Palmetto			ASH 45	48			8PM	
PAMPAS			ASH 30	72			9PM	
PEACH							10PM	
PLUM				Voltage	Staff Gauge	Logger Avg.	11PM	
PINE			ASH MAIN				12PM	
PALM			ASH 30				1AM	
POMELO							2AM	
PEPPER							3AM	
PANSY							4AM	
TOTAL							5AM	
ROSITAS	ORDER	DELIVERED	EAST HIGHLINE CHANGES				E.H.L. HEAD ORDER =	
ROSELLE							PASSING CHECK 11 =	
ROSE							PASSING PANSY =	
RUBBER		/					PASSING ORCHID =	
REDWOOD			ROSITAS CHANGES					
TOTAL								
REMARKS								
MONDAY'S Clean Check 11 module								
TUESDAY'S Clean Rositas turn out / station 75 pedestal								
WEDNESDAY'S Clean Redwood Heading pedestal								
THURSDAY'S Clean Rose & Rubber Module building								
SUNDAY'S Collect all M.M.I. And gauge readings								
MONTHLY Change all A.C. Filters as needed								

HYDROGRAPHER _____

DATE _____

East Highline Canal: Water Recovery Sump Pumps (Sparling Meter Readings)

Unit 210

Month:

Date	DP. 21	DP. 22	DP. 18	DP. 19	DP. 27 (South)	DP. 27 (North)	DP. 17
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
1st							

IMPERIAL IRRIGATION DISTRICT
WATER CONTROL
MAIN CANAL OPERATIONS

3/5/02

EAST HIGHLINE CANAL
FLOWING WELLS RUN

05:50 A.M. MEET ZANJERO AT "B" HEADING. CHECK ORDERS. Unit 725

06:00 A.M. TURN LATERAL "B".

06:05 A.M. TURN LATERAL "C".

06:10 A.M. TURN LATERAL "D".

06:15 A.M. TURN LATERAL "E".
"E" CHECK. MAKE NECESSARY ADJUSTMENT.
DROP LEAF CHECK GATE IS AUTOMATED FOR POND LEVEL CONTROL.

06:17 A.M. TURN DELIVERY 12.

06:20 A.M. TURN LATERAL "F". CHECK ORDERS WITH ZANJERO, Unit 726

06:25 A.M. TURN DELIVERIES 14 & 18.

06:30 A.M. TURN LATERAL "G".

06:35 A.M. TURN DELIVERIES 20 & 21.

06:40 A.M. TURN LATERAL "H". MAKE ADJUSTMENTS AT "H" CHECK.
DROP LEAF CHECK GATE IS AUTOMATED FOR POND LEVEL CONTROL.

06:45 A.M. TURN DELIVERIES 22C, 22 & 22A.

06:50 A.M. TURN LATERAL "I".

06:55 A.M. TURN DELIVERIES 22B & 23.

07:00 A.M. TURN LATERAL "J". CHECK ORDERS WITH ZANJERO, Unit 739
"J" CHECK. MAKE NECESSARY ADJUSTMENTS.
DROP LEAF CHECK GATE IS AUTOMATED FOR POND LEVEL CONTROL.

07:05 A.M. TURN DELIVERIES 23A & 23B.

07:10 A.M. TURN LATERAL "K". MAKE ADJUSTMENTS AT "K" CHECK.
DROP LEAF CHECK GATE IS AUTOMATED FOR POND LEVEL CONTROL.

07:15 A.M. TURN DELIVERY 24.

07:20 A.M. TURN LATERAL "L".

07:25 A.M. TURN DELIVERY 27A.

07:30 A.M. TURN LATERAL "M".

IMPERIAL IRRIGATION DISTRICT
WATER CONTROL

3/5/02

MAIN CANAL OPERATIONS

- 07:35 A.M. TURN LATERAL "N". CHECK ORDERS WITH ZANJERO, Unit 727
"N" CHECK. MAKE NECESSARY ADJUSTMENTS.
DROP LEAF GATE IS AUTOMATED FOR POND LEVEL CONTROL.
- 07:40 A.M. TURN LATERAL "O".
- 07:45 A.M. TURN DELIVERIES 31, 31A & 32.
- 07:50 A.M. TURN LATERAL "P".
- 07:55 A.M. TURN DELIVERY 33.
- 08:00 A.M. TURN SIDEMAIN LATERAL.
FLOWING WELLS CHECK. NORMAL POND LEVEL 1.20
DROP LEAF GATE IS AUTOMATED FOR POND LEVEL CONTROL.
- 08:05 A.M. TURN DELIVERY 34.
CHECK "35". MAKE NECESSARY ADJUSTMENTS.
DROP LEAF CHECK GATE IS AUTOMATED FOR POND LEVEL CONTROL.
- 08:10 A.M. TURN DELIVERIES 36, 36A & 37.
CHECK "37". MAKE NECESSARY ADJUSTMENTS.
DROP LEAF CHECK GATE IS AUTOMATED FOR POND LEVEL CONTROL.
- 08:15 A.M. TURN DELIVERIES 40 & 41.
CHECK "41". MAKE NECESSARY ADJUSTMENTS.
DROP LEAF CHECK GATE IS AUTOMATED FOR POND LEVEL CONTROL.
- 08:20 A.M. TURN DELIVERIES 42, 45 & 46.
- 08:25 A.M. TURN DELIVERIES 46A, 46B, 46C & 46D.
CHECK "46". MAKE NECESSARY ADJUSTMENTS.
- 08:30 A.M. TURN DELIVERIES 47 & 48.
- 08:35 A.M. TURN LATERAL "X".
- MEET ZANJERO AT "W"CHECK. CHECK ORDERS. Unit 728
- 08:40 A.M. TURN LATERAL "W". MAKE ADJUSTMENTS @ "W" CHECK.
DROP LEAF CHECK GATE IS AUTOMATED FOR POND LEVEL CONTROL
- 08:45 A.M. TURN LATERAL "Y".
- 08:50 A.M. TURN DELIVERY 51C.
- 08:55 A.M. TURN LATERAL "Z". HEADING IS AUTOMATED.
CAN BE TURNED VIA REMOTE BY WATER CONTROL @ HYDROGRAPHER'S REQUEST.
- 09:00 A.M. CHECK NILAND EXTENSION. TURNED BY WATER CONTROL @ 8:00 A.M.
- 09:15 A.M. CALL IN DISCHARGES TO WATER CONTROL FROM GALLEANO RESERVOIR.

**IMPERIAL IRRIGATION DISTRICT
WATER CONTROL**

3/5/02

MAIN CANAL OPERATIONS
MAINTAIN INSIDE AND AROUND MODULE BUILDING CLEAN.
CHANGE A/C AND AIR VENT FILTERS ON THE 1st OF EACH MONTH.

- 09:30 a.m. TAKE 30 MINUTE LUNCH BREAK. (LUNCH BREAK TIME IS VARIABLE).
- 10:00 a.m. **START SECOND RUN:**
CHECK LATERALS & DELIVERIES RUNNING. CHECK FOR EXCESS TAILWATER.
REPORT ALL TAILWATER OVER THE ALLOWED % OR IF BOX IS DAMAGED.
FILL OUT APPROPRIATE FORMS.
- PULL MOSS, CLEAN GAUGES, CHOP WEEDS AROUND HEADINGS & CHECKS.
BURN TRASH ON BURN DAYS.
- 01:00 P.M. GO TO DIVISION OFFICE, TURN IN ZANJERO SHEETS & TAILWATER SHEETS.
CHECK NEXT DAYS' LINE-UP WITH DIVISION CORDINATOR.
SERVICE VEHICLE.
- 02:00 P.M. OFF DUTY

CANAL / DELV.	ORDER	TIME	METHOD	FRONT	BACK	PRESS.	DEPTH	WIDTH	SQ. INCHES	MULTIPL.	C. F. S.
DELIVERY 12											
LATERAL F											
DELIVERY 14											
DELIVERY 18											
LATERAL G											
DELIVERY 20											
DELIVERY 21											
LATERAL H											
DELIVERY 22											
DELIVERY 22A											
LATERAL I											
DELIVERY 22B											
DELIVERY 22C											
DELIVERY 23											
LATERAL J											
DELIVERY 23A											
DELIVERY 23B											
LATERAL K											
DELIVERY 24											
LATERAL L											
DELIVERY 27A											
LATERAL M											
DELIVERY 30											
LATERAL N											
LATERAL O											
DELIVERY 31											
DELIVERY 31A											
DELIVERY 32											
LATERAL P											
DELIVERY 33											
R-SIDEMAIN											
DELIVERY 34											
DELIVERY 34A											
DELIVERY 36											
DELIVERY 38A											
DELIVERY 37											
DELIVERY 40											
DELIVERY 41											
DELIVERY 42											
DELIVERY 45											
DELIVERY46											
DELIVERY 46A											
DELIVERY 46B											
DELIVERY 46C											
DELIVERY 46D											
DELIVERY 47											
DELIVERY 48											
LATERAL X											
LATERAL W											
LATERAL Y											
DELIVERY 51C											
LATERAL Z											
NILAND EXT.											

HYDROGRAPHER _____

DATE _____

CANAL / DELV.	ORDER	TIME	METHOD	FRONT	BACK	PRESS.	DEPTH	WIDTH	SQ. INCHES	MULTIPL.	C. F. S.
DELIVERY 12											
LATERAL F											
DELIVERY 14											
DELIVERY 18											
LATERAL G											
DELIVERY 20											
DELIVERY 21											
LATERAL H											
DELIVERY 22											
DELIVERY 22A											
LATERAL I											
DELIVERY 22B											
DELIVERY 22C											
DELIVERY 23											
LATERAL J											
DELIVERY 23A											
DELIVERY 23B											
LATERAL K											
DELIVERY 24											
LATERAL L											
DELIVERY 27A											
LATERAL M											
DELIVERY 30											
LATERAL N											
LATERAL O											
DELIVERY 31											
DELIVERY 31A											
DELIVERY 32											
LATERAL P											
DELIVERY 33											
R-SIDEMAIN											
DELIVERY 34											
DELIVERY 34A											
DELIVERY 36											
DELIVERY 36A											
DELIVERY 37											
DELIVERY 40											
DELIVERY 41											
DELIVERY 42											
DELIVERY 45											
DELIVERY 46											
DELIVERY 46A											
DELIVERY 46B											
DELIVERY 46C											
DELIVERY 46D											
DELIVERY 47											
DELIVERY 48											
LATERAL X											
LATERAL W											
LATERAL Y											
DELIVERY 51C											
LATERAL Z											
NILAND EXT.											

HYDROGRAPHER _____

DATE _____

IMPERIAL IRRIGATION DISTRICT
WATER CONTROL
MAIN CANAL OPERATIONS

3/5/02

EAST HIGHLINE CANAL
NECTARINE RUN

05:50 A.M. MEET WITH MULBERRY ZANJERO

06:00 A.M. TURN MULBERRY LATERAL.

06:05 A.M. TURN MALVA 1 LATERAL.

06:10 A.M. TURN MALVA 2 LATERAL.

06:15 A.M. TURN MAYFLOWER LATERAL.

06:20 A.M. TURN MARIGOLD LATERAL.

06:25 A.M. MEET NECTARINE ZANJERO

06:30 A.M. TURN STANDARD LATERAL.

06:35 A.M. TURN NARCISSUS LATERAL.

06:40 A.M. TURN NETTLE LATERAL.

06:45 A.M. TURN NUTMEG LATERAL.

06:50 A.M. TURN NECTARINE LATERAL.

06:55 A.M. CHECK B LATERAL. Turned by unit #213 @ 06:00 A.M.

07:00 A.M. CHECK C LATERAL. Turned by unit #213 @ 06:05 A.M.

07:05 A.M. CHECK D LATERAL. Turned by unit #213 @ 06:10 A.M.

07:10 A.M. CHECK E LATERAL. Turned by unit #213 @ 06:15 A.M.

07:25 A.M. GET 24 HOUR READINGS @ NECTARINE SPILL TO VAIL.
Mondays: Change Recorder Sheet.

07:45 A.M. TURN NECTARINE "A" LATERAL. Do the Zanjero Run
Maintain Nectarine "A" Check Drop Leave Gate Opened @ 50%.
Keep Pond Gauge & Area Clean.

When Nectarine "A" Lateral does not have orders for the day, proceed to the
North End Division Office. Input discharges into the Main Frame & call Water
Control with pertinent information. Service Vehicle.
Take Lunch Break @ this time.

09:30 A.M. CALL ALL DISCHARGES AND GAUGES TO WATER CONTROL.

**IMPERIAL IRRIGATION DISTRICT
WATER CONTROL
MAIN CANAL OPERATIONS**

3/5/02

Start Second Run:
09:45 A.M. Recheck All Laterals & Deliveries for Order. Fill in Yellow Slip.

Check All Tail Water Boxes on deliveries running. Report excess Tailwater to Water Control.
Fill in the forms provided by Division for damaged Boxes or Boxes that are not within Compliance.

11:00 A.M. CHECK NECTARINE "A" HEADING & DELIVERIES RUNNING.
Check All Tail Water Boxes on deliveries running. Report excess Tailwater to Water Control.
Fill in the forms provided by Division for damaged Boxes or Boxes that are not within Compliance.

YOUNG RESERVOIR: Do visual inspection of Banks and the area.
Maintain inside of module building clean.

TAKE 30 MINUTE LUNCH BREAK. (Lunch break Time is Variable).

01:15 P.M. REPORT TO DIVISION OFFICE. INPUT ALL PERTINENT INFORMATION IN AS/400.
PICK UP ZANJERO SHEETS FOR THE FOLLOWING DAY. SERVICE VEHICLE.

02:00 P.M. OFF DUTY

THURSDAY:
SWEEP ALL MODULE BUILDINGS. CLEAR DEBRI AROUND HEADINGS AND STRUCTURES.

SUNDAYS: RETRIEVE MMI READINGS @:
STANDARD CHECK
NECTARINE CHECK
YOUNG RESERVOIR

MONTHLY:
1st OF EACH MONTH, CHANGE MODULE BUILDINGS FILTERS ON VENTS & A/C (if dirty).

HD-252L (R12 6-98) - HYDROGRAPHER'S RECORD - EAST HIGHLINE AT NECTARINE CHECK

	ORDER	DELIVERED	REMOTE CONTROL GAUGES					NECTARINE TO VAIL	
			STANDARD POND		GATES		7 AM		
MULBERRY A									
MULBERRY									
MALVA 1				STAFF	TAPE	1		8	
MALVA 2A						2		9	
MALVA 2						3		10	
MAYFLOWER						4		11	
MARIGOLD						5		12 N	
STANDARD				NECTARINE POND	E.H.L. D.S.	VAIL DROP O		1PM	
STANDARD A								2	
NARCISSUS				STAFF	STAFF	STAFF	TAPE	3	
NETTLE			A.M.					4	
DELIVERY 2				VAIL DROP 2				5	
NUTMEG				VAIL HEAD GATES				6	
DELIVERY 3				NO. 1	NO. 2	NO. 3		7	
NECTARINE			A.M.					8	
DELIVERY 3A				NECTARINE CHECK GATES				9	
LATERAL B				NO. 1	NO. 2	NO. 3	NO. 4	10	
DELIVERY 6			A.M.					11	
LATERAL C				DIVERSIONS TO RESERVOIR				12 M	
DELIVERY 7				DIVERSIONS FROM RESERVOIR				1 AM	
LATERAL D				RESERVOIR CONTENT	GAUGE			2	
DELIVERY 8				ORDER BELOW NECTARINE CHECK				3	
LATERAL E				ORDER BELOW E				4	
DELIVERY 10				ORDER VAIL HEADING				5	
DELIVERY 11				NECTARINE A POND				6	
TOTAL									
NECTARINE A									
				HYDROGRAPHER					
				DATE					

FIRSTRUN

IID-254D (R96-98) - HYDROGRAPHER'S RECORD - GATE MEASUREMENTS - EAST HIGHLINE AT NECTARINE CHECK

	ORDER	TIME	METHOD	FRONT	BACK	PRESSURE	DEPTH	WIDTH	SQUARE INCHES	MULTIPLIER	SECOND FEET	
MULBERRY A												
MULBERRY												
MALVA 1												
MALVA 2A												
MALVA 2												
MAYFLOWER												
MARIGOLD												
STANDARD												
STANDARD A												
NARCISSUS												
NETTLE												
DELIVERY 2												
NUTMEG												
DELIVERY 3												
NECTARINE												
DELIVERY 3A												
LATERAL B												
DELIVERY 6												
LATERAL C												
DELIVERY 7												
LATERAL D												
DELIVERY 8												
LATERAL E												
DELIVERY 10												
DELIVERY 11												
NECTARINE A												

Remarks: _____

HYDROGRAPHER _____ DATE _____

SECONDRUN

IID-254D (R96-98) - HYDROGRAPHER'S RECORD - GATE MEASUREMENTS - EAST HIGHLINE AT NECTARINE CHECK

	ORDER	TIME	METHOD	FRONT	BACK	PRESSURE	DEPTH	WIDTH	SQUARE INCHES	MULTIPLIER	SECOND FEET
MULBERRY A											
MULBERRY											
MALVA 1											
MALVA 2A											
MALVA 2											
MAYFLOWER											
MARIGOLD											
STANDARD											
STANDARD A											
NARCISSUS											
NETTLE											
DELIVERY 2											
NUTMEG											
DELIVERY 3											
NECTARINE											
DELIVERY 3A											
LATERAL B											
DELIVERY 6											
LATERAL C											
DELIVERY 7											
LATERAL D											
DELIVERY 8											
LATERAL E											
DELIVERY 10											
DELIVERY 11											
NECTARINE A											

Remarks: _____

HYDROGRAPHER _____ DATE _____

IMPERIAL IRRIGATION DISTRICT
WATER CONTROL
MAIN CANAL OPERATIONS

3/5/02

EAST HIGHLINE CANAL
ORCHID RUN

05:20 A.M. CALL IN WEATHER READINGS @ BOYD STATION BY RADIO. (LETTUCE SEASON)
05:30 A.M. TURN TOWNSHIP LATERAL.
05:35 A.M. TURN OAT LATERAL.
05:40 A.M. TURN OASIS LATERAL.
05:45 A.M. TURN ORIENT LATERAL.
05:50 A.M. TURN OCCIDENT LATERAL
06:00 A.M. TURN ORCHID LATERAL.
06:10 A.M. TURN OXALIS LATERAL.
06:15 A.M. TURN ORANGE LATERAL.
06:20 A.M. TURN OHMAR LATERAL.
06:30 A.M. TURN OLEANDER LATERAL.
06:35 A.M. TURN OLEANDER SIDEMAIN.
06:40 A.M. TURN ORITA LATERAL.
06:45 A.M. TURN OSAGE LATERAL.
06:50 A.M. TURN OAK LATERAL.
06:55 A.M. TURN MOSS LATERAL.
07:00 A.M. TURN DELIVERY MAGNOLIA A.
07:05 A.M. TURN MAGNOLIA LATERAL.
07:10 A.M. TURN MESQUITE LATERAL.
07:15 A.M. TURN MAPLE LATERAL.
07:20 A.M. TURN MULLEN LATERAL.
07:25 A.M. TURN DELIVERY MYRTLE A.
07:30 A.M. TURN MYRTLE LATERAL.
07:35 A.M. TURN MUNYON LATERAL.

**IMPERIAL IRRIGATION DISTRICT
WATER CONTROL
MAIN CANAL OPERATIONS**

3/5/02

- 07:40 A.M. TURN OAK "A" DELIVERY
- 07:45 A.M. GET MUNYON LATERAL BROADCRESTED WEIR READINGS.
- 08:00 A.M. GET MYRTLE POND AND DOWNSTREAM TAPES AND GAUGES.
- 08:15 A.M. GET MAGNOLIA LATERAL BROADCRESTED WEIR READINGS.
- 08:30 A.M. GET OAK POND AND DOWNSTREAM TAPES AND GAUGES.
- 08:55 A.M. GET ORCHID POND AND DOWNSTREAM TAPES AND GAUGES.
- 09:00 A.M. REPORT ALL DISCHARGES AND PERTINENT INFORMATION TO WATER CONTROL.
- 09:10 A.M. TAKE 30 MINUTE LUNCH BREAK. (Lunch Break Time Varies).
- 09:40 A.M. START SECOND RUN, CHECKING ALL LATERALS AND DELIVERIES.
REPORT TO WATER CONTROL ANY TAILWATER IN EXCESS OF ALLOWABLE.
REPORT DAMAGED TAILWATER BOXES.
- 01:00 P.M. INSPECT BEVINS RESERVOIR ON THE WAY IN FROM THE E.H.L.
- TUESDAYS: METER ORANGE LATERAL. SCRAPE WEIR WEEKLY.
- MONDAYS: GET MMI READINGS:
 ORCHID CHECK
 OAK CHECK
 MYRTLE CHECK
 CARL BEVINS RESERVIOR
- WEDNESDAYS: SWEEP AND DUST MODULE BUILDINGS:
 ORCHID CHECK
 OAK CHECK
 MYRTLE CHECK
 CARL BEVINS RESERVIOR
- MONTHLY: THE FIRST OF EACH MONTH CHECK VENTS & A/C FILTERS AND CHANGE AS NEEDED @:
 ORCHID CHECK
 OAK CHECK
 MYRTLE CHECK
 CARL BEVINS RESERVIOR
- 01:30 P.M. OFF DUTY.

	ORDER	DELIVERED	GAUGES			GATE	TAPES
TOWNSHIP			ORCHID CHECK				ORCHID
OAT				GAUGE-TAPE	TIME	1	
OASIS			POND			2	
ORIENT			D. S.			3	
OCCIDENT			OAK CHECK			4	
ORCHID				GAUGE-TAPE	TIME	5	
OXALIS			POND			6	
ORANGE			D. S.				
OHMAR			MYRTLE CHECK				OAK
OLEANDER				GAUGE-TAPE	TIME	1	
OLEANDER SM			POND			2	
ORITA			D. S.			3	
OSAGE						4	
OAK A			EHL HEAD ORDER			5	
OAK			PASSING ORCHID CHECK			6	
MOSS			PASSING OAK CHECK				
MAGNOLIA A			PASSING MYRTLE CHECK				MYRTLE
MAGNOLIA						1	
MESQUITE						2	
MAPLE			TEMP. AT ORCHID CHECK			3	
MULLEN			MAX.	MIN.	OBS.	4	
MYRTLE A						5	
MYRTLE							
MUNYON			EHL CHANGES				
TOTAL							
MILEAGE							

FIRST RUN

	ORDER	TIME	METHOD	FRONT	BACK	PRESSURE	DEPTH	WIDTH	SQUARE INCHES	MULTIPLIER	SECOND FEET	GAUGE
TOWNSHIP												
OAT												
OASIS												
ORIENT												
OCCIDENT												
ORCHID												
OXALIS												
ORANGE												
OHMAR												
OLEANDER												
OLEANDER SM												
ORITA												
OSAGE												
OAK A												
OAK												
MOSS												
MAGNOLIA A												
MAGNOLIA												
MESQUITE												
MAPLE												
MULLEN												
MYRTLE A												
MYRTLE												
MUNYON												

HYDROGRAPHER _____ DATE _____

**IMPERIAL IRRIGATION DISTRICT
WATER CONTROL
MAIN CANAL OPERATIONS**

3/5/02

**VAIL MAIN CANAL
VAIL RUN**

- 05:45 A.M. GET SPOT READINGS AT VAIL DROP 40.
- 05:50 A.M. GET TEMPERATURE READINGS @ NO. END DAM & CALL WATER CONTROL BEFORE 6: A.M.
(DURING WINTER MONTHS ONLY)
- 06:10 A.M. GET GAUGES AND DISCHARGES AT ALAMO RIVER DROPS 3 & 3A.
ADJUST GATES AT DROP 3A TO KEEP POND BETWEEN 8.10 - 8.50
- 07:00 A.M. TURN VAIL AT NORTHEND DAM. (TURNED BY WATER CONTROL VIA REMOTE).
- 07:10 A.M. TURN VAIL DELIVERY 1.
- 07:15 A.M. TURN VAIL DELIVERIES 9 & 9A.
- 07:20 A.M. TURN VAIL LATERAL 1. MAKE NEEDED ADJUSTMENTS ON CHECK GATES.
- 07:25 A.M. TURN VAIL DELIVERIES 10, 11 & 11A.
- 07:30 A.M. TURN VAIL DELIVERY 2.
- 07:35 A.M. TURN VAIL LATERAL 2A. MAKE NEEDED ADJUSTMENTS ON CHECK GATES.
- 07:40 A.M. TURN VAIL DELIVERIES 12 & 13.
- 07:45 A.M. TURN VAIL LATERAL 3. MAKE NEEDED ADJUSTMENTS ON CHECK GATES TO MEET
DOWNSTREAM DEMAND.
POND ELEVATION IS MAINTAINED @ 3.40 BY PIPED FLOW FROM THE WILEY RESERVOIR.
- 07:50 A.M. TURN VAIL DELIVERY 14 & 15.
- 07:55 A.M. TURN VAIL LATERAL 3A. MAKE NEEDED ADJUSTMENTS ON CHECK GATES.
- 08:00 A.M. TURN VAIL DELIVERIES 16, 17 & 18.
- 08:05 A.M. TURN O'BRIAN LATERAL
- 08:10 A.M. TURN VAIL LATERAL 4. MAKE NEEDED ADJUSTMENTS ON CHECK GATES.
- 08:15 A.M. TURN VAIL DELIVERIES 19 & 20.
- 08:20 A.M. TURN VAIL LATERAL 5. MAKE NEEDED ADJUSTMENTS ON CHECK GATES.
- 08:25 A.M. TURN VAIL DELIVERIES 23, 25 & 26.
- 08:35 A.M. TURN VAIL LATERAL 6. MAKE NEEDED ADJUSTMENTS ON CHECK GATES.
- 09:00 A.M. TURN VAIL LATERAL 7. CHECK POND LEVEL FOR PROPER LEVEL.
INSPECT DROPLEAF DISCHARGE GATE TO WILEY RESERVOIR FOR PROPER OPERATION.

**IMPERIAL IRRIGATION DISTRICT
WATER CONTROL
MAIN CANAL OPERATIONS**

3/5/02

- 09:15 A.M. START UPSTREAM ADJUSTING ALL DELIVERIES AND LATERALS TO ORDER.
- 10:00 A.M. GO TO DIVISION OFFICE. INPUT PERTINENT INFORMATION INTO THE AS/400.
CALL IN DISCHARGES TO WATER CONTROL. SERVICE VEHICLE
- 10:30 A.M. TAKE A 30 MINUTE LUNCH BREAK. (TIME FOR LUNCH BREAK
- 11:00 A.M. MAKE SECOND RUN MEASURING AND ADJUSTING ALL DELIVERIES & LATERALS.
CHECK EACH TAILWATER STRUCTURE TO ALL THE DELIVERIES THAT ARE RUNNING.
CALL IN TO WATER CONTROL TAILWATER THAT IS 15 % OR MORE OF THE HEAD ORDER.
- 01:00 P.M. CHECK GAUGES AND DISCHARGES AT THE ALAMO RIVER DROPS 3 & 3A.
ADJUST GATES AT ALAMO RIVER DROP 3A TO KEEP POND LEVEL BETWEEN 8.10 - 8.50
- 02:00 P.M. OFF - DUTY

MAINTENANCE TASKS:

- SUNDAYS:** TAKE MMI READINGS @ VAIL NORTH END DAM.
- MONDAYS:** CHANGE RECORDER SHEET AT ALAMO RIVER @ OUTLET.
- TUESDAYS - FRIDAYS:** CLEAN MODULE BUILDINGS AT WILEY & RUSSELL RESERVOIRS
CLEAN TRASH RACK AT WILEY RESERVOIR LOCATED AT THE PUMP
CHOP WEEDS AROUND STRUCTURES & SCRUB STAFF GAUGES.
- BI-MONTHLY:** SCRAP BC WEIR @ ROCKWOOD SPILL TO THE VAIL.
A DIRTY WEIR WILL NOT GIVE TRUE READINGS.
- MONTHLY:** 1ST OF EACH MONTH CHANGE FILTERS ON VENTS & A/C IN THE
MODULE BUILDINGS.
Contact the Chief Hydrographer for new filters.

HYDROGRAPHER'S RECORD

VAIL CANAL SYSTEM

	ORDER	RECEIVED	HOUR	DROP 40	NUTMEG	NECT. A	ROCK-WOOD	AUTO. GATE
Drop 40								
Vail at Head			7 AM					
Lateral 1			8					
2			9					
2A			10					
3			11					
3A			12 N					
4			1 PM					
5			2					
Pump 1			3					
Delivery 2			4					
9			5					
9A			6					
10			7					
11			8					
11A			9					
12			10					
13			11					
14			12 MN					
15			1 AM					
16			2					
O'Brien			3					
Delivery 17			4					
18			5					
19			6					
20								
23								
25					Head			
26					Lateral 2			
Lateral 6					2A			
7					3			
Total				PM	3A			
Spill to N.R.					4			
Loss					5			
ALAMO RIVER								
					Delivery 19			
					23			
					Lateral 6			
					7			
Weir Gauge					Rockwood			
Gate Opening					Pond at Auto.			
D.S. Gauge					Auto. Disch.			
Discharge								

Name _____ Date _____

FIRST RUN

	ORDER	TIME	METHOD	FRONT	BACK	PRESSURE	DEPTH	WIDTH	SQUARE INCHES	MULTIPLIER	SECOND FEET	
PUMP 1												
LATERAL 1												
DELIVERY 2												
9												
9A												
LATERAL 2												
DELIVERY 10												
11												
11A												
LATERAL 2A												
DELIVERY 12												
13												
LATERAL 3												
DELIVERY 14												
15												
LATERAL 3A												
DELIVERY 16												
17												
18												
O'BRIEN												
LATERAL 4												
DELIVERY 19												
20												
LATERAL 5												
DELIVERY 23												
25												
26												
LATERAL 6												
LATERAL 7												
REMARKS:												

HYDROGRAPHER _____ DATE _____

SECOND RUN

	ORDER	TIME	METHOD	FRONT	BACK	PRESSURE	DEPTH	WIDTH	SQUARE INCHES	MULTIPLIER	SECOND FEET	
PUMP 1												
LATERAL 1												
DELIVERY 2												
9												
9A												
LATERAL 2												
DELIVERY 10												
11												
11A												
LATERAL 2A												
DELIVERY 12												
13												
LATERAL 3												
DELIVERY 14												
15												
LATERAL 3A												
DELIVERY 16												
17												
18												
O'BRIEN												
LATERAL 4												
DELIVERY 19												
20												
LATERAL 5												
DELIVERY 23												
25												
26												
LATERAL 6												
LATERAL 7												
REMARKS:												

IMPERIAL IRRIGATION DISTRICT
WATER CONTROL
MAIN CANAL OPERATIONS

3/5/02

ALL AMERICAN CANAL
ALLISON RUN

05:30 A.M.. TURN BRIAR LATERAL
05:35 A.M.. TURN ASH LATERAL
05:40 A.M. TURN DELIVERY B".
05:42 A.M. TURN DELIVERY C".
05:44 A.M. TURN DELIVERY D".
05:46 A.M. TURN DELIVERY E".
05:50 A.M. TURN OLD BRIAR LATERAL.
05:55 A.M. TURN ALAMITOS LATERAL.
06:00 A.M. TURN SOUTH ALAMO LATERAL (TURNED VIA REMOTE BY WATER CONTROL AT REQUEST)
06:05 A.M. TURN A.A.C. DELIVERY 23A.
06:10 A.M. TURN A.A.C. DELIVERY 23.
06:15 A.M. TURN A.A.C. DELIVERY 21.
06:20 A.M. TURN YULE LATERAL.
06:30 A.M. CHECK HEMLOCK LATERAL. (TURNED BY WATER CONTROL)
06:31 A.M. TURN GUNTERMAN LATERAL AND DELIVERIES 63, 67, AND 68.
06:35 A.M. TURN MESA LATERAL 2 AND DELIVERIES 7, 8, 9, 9A, 10, 11, 12
07:20 A.M. TURN MESA LATERAL 3D AND DELIVERIES 48, 49, 50, AND 51.
07:45 A.M. TURN MESA LATERAL 4 AND DELIVERIES 53 AND 54.
8:05 A.M. TURN MESA LATERAL 5 AND DELIVERIES 63, 64, 65, 66, 66A, 65B
08:10 A.M. MEASURE AND ADJUST MESA LATERAL 3, (ZANJERO TURNS).
08:15 A.M. MEASURE AND ADJUST HOLT LATERAL, (ZANJERO TURNS).
08:20 A.M. MEASURE AND ADJUST E.H.L. SIDEMAIN, (ZANJERO TURNS).
08:25 A.M. EHL PUMP A RETRIEVE DATA LOGGERS READINGS

IMPERIAL IRRIGATION DISTRICT

3/5/02

WATER CONTROL

MAIN CANAL OPERATIONS

- 08:45 A.M. METER SOUTH ALAMO LATERAL. NOTIFY ZANJERO OF THE DISCHARGE BEFORE MAKING ADJUSTMENTS
- 09:20 A.M. RECHECK BRIAR SYSTEM. MAKE ADJUSTMENTS
- 10:00 A.M. CALL IN DISCHARGES TO WATER CONTROL.
- 10:05 A.M. TAKE CARE OF MAINTENANCE TASKS: PULLING TRASH, CLEANING GAUGES CUTTING WEEDS AND CANE FROM AROUND HEADINGS AND STRUCTURES
- 11:00 A.M. TAKE 30 MINUTE LUNCH BREAK. (LUNCH TIMES IS VARIALBLE)
- 11:30 A.M. START SECOND RUN CHECKING ALL LATERALS, DELIVERIES AND TAIL WATER. REPORT ALL ACCESS TAIL WATER AND DAMAGED BOXES TO WATER CONTROL.
- 01:15 P.M. GO TO HOLTVILLE OFFICE AND INPUT DATA INTO MAINFRAME. GET ZANJERO SHEET FOR FOLLOWING DAY. SERVICE TRUCK
- 02:00 P.M. END OF WORKDAY
- ON LAST DAY BEFORE DAYS OFF, CLEAN THE TRUCK AND HAVE NEEDED SERVICE DONE.
- MONDAYS: CHANGE THE HYGROTHERMOGRAPH SHEET AT THE BARROS WEATHER STA.

	ORDER	DELIVERED	GAUGES							
			EAST HIGHLINE CHECK							
Mesa Lateral 5										
EHL Side Main				POND	LOWER	GATES				
Mesa Lateral 4			Time	Staff	Staff	1	2	3	4	5
Delivery 18										
Mesa Lateral 3D			EAST HIGHLINE TURNOUT			GATES				
Mesa Lateral 3			Time			1	2	3	4	5
Mesa Lateral 2										
Holt			EAST HIGHLINE NO. 1 CHECK							
Gunterman				POND	LOWER	GATES				
Hemlock			Time	Staff	Staff	1	2	3	4	5
Yule										
Delivery 21			ALLISON CHECK							
Delivery 23				POND	LOWER	GATES				
Delivery 23A			Time	Staff	Staff	1	2	3	4	5
Delivery 23B										
South Alamo			CENTRAL MAIN CHECK							
Total				POND	LOWER	GATES				
			Time	Staff	Staff	1	2	3	4	
Ash										
Briar B										
Briar C			AAC Drain 2 Pump 1							
Briar D			AAC Drain 2 Pump 2							
Briar E										
Alamitos										
Old Briar			Change =							
Total										
Briar G.O.			A.R. at Boundary							
Ash Check G.O.			Gauge							
Ash G.O.										
Alamitos Check G.O.			Drop 5							
Alamitos G.O.			Time	Pond	D.S.					
Ash Pond										
Alamitos Pond			A.A.C. Metering							
			Order							
			Discharge							
Pump A			Pond							
EHL Pump 1			M.S.							
EHL Pump 2										

FIRST RUN

	ORDER	TIME	METHOD	FRONT	BACK	PRESSURE	DEPTH	WIDTH	SQUARE INCHES	MULTIPLIER	SECOND FEET
Mesa Lateral 5											
EHL Side Main											
Mesa Lateral 4											
Delivery 18											
Mesa Lateral 3D											
Mesa Lateral 3											
Mesa Lateral 2											
Holt											
Gunterman											
Hemlock											
Yule											
Delivery 21											
Delivery 23											
Delivery 23A											
Delivery 23B											
th Alamo											
otal											
Total											
Ash T.O.											
Briar B											
Ash Check											
Briar C											
Briar D											
Briar E											
Alamitos											
Old Briar											
EHL Pump A											
EHL Pump 1											
EHL Pump 2											

HYDROGRAPHER _____

DATE _____

ALL AMERICAN CANAL: Water Recovery Sump Pumps (sparling meter readings)

Allison Run Unit 208

Month:

Date	DP. 6	DP. 11	DP. 12	DP. 34		
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
1st						

IMPERIAL IRRIGATION DISTRICT
WATER CONTROL
MAIN CANAL OPERATIONS

3/5/02

CENTRAL MAIN / WESTSIDE MAIN CANALS
CENTRAL RUN

CM

- 06:00 A.M. TURN MALAN
- 06:05 A.M. GET 24 HOUR READINGS FROM ROCKWOOD WEIR & CALL IN BY RADIO
- 06:10 A.M. COMPARE WATER ORDERS WITH ZANJEROS
- 06:15 A.M. TURN BRYANT HEADING
- 06:20 A.M. TURN MANSFIELD HEADING
- 06:25 A.M. TURN ROCKWOOD HEADING
- DELIVERIES 15 & 16. Turned & serviced by Northend Division Zanjero
On occasions, the Zanjeros will request you start the deliveries for them.
- 06:35 A.M. DELIVERIES 21, 22 & 23. Turned & serviced by **Hydrographer**
- 06:40 A.M. NEWSIDE LAT.DISCH. Pick-up 24 avg. readings from the Data Logger.
Check Logger battery voltage. Replace batteries when they reach 11.6 volts.
- 06:45 A.M. MEASURE EUCALYPTUS SPILL. Proceed to WSM #8 Check.

WSM

- 07:00 A.M. CHECK & ADJUST SUMAC HEADING. Turned by Water Control Via Remote @ 5:00 A.M.
- 07:10 A.M. METER THISTLE LATERAL. NOTIFY ZANJERO OF ADJUSTMENTS.
Turned by Water Control Via Remote @ 5:00 A.M.
- 07:50 A.M. TURN WSM DELIVERY 26
- 07:55 A.M. TURN PUMPS 25, 24B, 24, 24A.
When running 550 cfs or more passing Fillaree Check, the pumps will run gravity flow
Conserve electrical power. IID pays the power usage.
- 08:15 A.M. TURN DELIVERIES 22 & 21.
- 08:25 A.M. CHECK FLAX HEADING. Turned by Water Control Via Remote @ 8:00A.M.
- 08:30 A.M. CHECK FILLAREE HEADING. Turned by Water Control Via Remote @ 8:00 A.M.
- 08:35 A.M. TURN DELIVERY 23A & 20.
- 08:40 A.M. PUMP 18. Gate stays open. Water user turns pump on/off. Hydrographer Monitors.
- 08:45 A.M. READ PUMPS 17A & 17B METERS ON FRIDAYS ONLY. Turn in to Division Office.

IMPERIAL IRRIGATION DISTRICT
WATER CONTROL
MAIN CANAL OPERATIONS

3/5/02

08:50 A.M. PUMPS 16B, 16 & 16A. Gates stay open. Water user turns pump on/off.
Hydrographer Monitors Flows.

09:00 A.M. CHECK FOXGLOVE HEADING. Turned by Water Control Via Remote @ 6:45 a.m.

FOXGLOVE CHECK: Perform assigned Maintenance on Check.

1. Pull Trash Daily
2. Flush Automatic, Clean Funnel and Screen Weekly
3. Read Tapes and Gauges Weekly
4. Clean Control Building Weekly.

CM

09:30 A.M. EVERGREEN LAT. DISCH. RETRIEVE 24 AVG. READING FROM DATA LOGGER.
Check Logger battery voltage. Replace batteries when below 11.6 volts.

09:35 A.M. CHECK NEWSIDE & DANDELION HEADINGS. Turned Via Remote @ 8:00 A.M.
CHECK NEWSIDE 1 HDG. Turned by Zanjero @ 8:00 A.M.

NEWSIDE CHECK. PULL TRASH. MAINTAIN CONTROL BUILDING CLEAN.
CALL IN DISCHARGES AND OTHER PERTINENT INFORMATION TO WATER CONTROL

10:00 A.M. LEAVE CANAL, GO TO SOUTHWEST DIVISION OFFICE.
INPUT PERTINENT DATA INTO THE MAINFRAME.
SERVICE VEHICLE

10:30 A.M. Take 30 minute Lunch Break. (Lunch Times Will Vary)

WSM

11:00 A.M. RETURN TO THE WSM FOXGLOVE CHECK AND START SECOND RUN..

1. RECHECK DELIVERIES AND PUMPS RUNNING.
2. CHECK THEM FOR EXCESS TAILWATER.
3. **Fill in Blue Slips on all Heads Running!**

12:15 P.M. FILLAREE CHECK:

1. Pull Trash Daily
2. Flush Automatic, Clean Funnel and Screen Weekly
3. Read Tapes and Gauges Weekly
4. Clean Control Building Weekly.

12:40 P.M. WSM NO. 8 CHECK:

1. Pull Trash Daily
2. Clean Control Building Weekly.
3. Read Tapes and Gauges Weekly
4. Flush Automatic, Clean Funnel and Screen Weekly

CM

01:00 P.M. RECHECK DELIVERIES 21, 22, 23. CHECK FOR TAILWATER

01:15 P.M. CHECK LILAC & LAVENDER 1. Turned by Zanjero.

01:25 P.M. CHECK LAVENDER. Turned by Water Control Via Remote @ 9:00A.M..

01:30 P.M. CM #4 CHECK - FLUSH DEBRIS THROUGH GATES AS NEEDED.
Flush Automatic, clean funnel & screen is on a weekly basis.
The Control Building maintenance is also on a weekly basis.

**IMPERIAL IRRIGATION DISTRICT
WATER CONTROL
MAIN CANAL OPERATIONS**

3/5/02

01:45 P.M.

CHECK ROCKWOOD POND ELEVATION AND WEIR FOR ORDER.
(ROCKWOOD POND ELEVATION SHOULD BE 2.20 to 2.30.)

02:00 P.M.

PULL TRASH
OFF DUTY

SITE NAME	TIME	POND GAUGE	D.S. GAUGE	GATE 1	GATE 2	GATE 3	GATE 4	GATE 5	TOTAL G.O.
C.M. #4 CHECK		S.G. =	S.G. =						
		Tape =	Tape =	TAPE =	TAPE =	INLET =			
OSCAR FUDGE RESERVOIR		E.L.V. =		OUTLET =					
LAVENDER				TAPE =					
C.M. NEWSIDE CHECK		S.G. =	S.G. =						TOTAL G.O.
		Tape =	Tape =	TAPE =	TAPE =	TAPE =	TAPE =		
NEWSIDE CANAL				TAPE =					
DANDELION CANAL				TAPE =					
W.S.M. #8 CHECK		S.G. =	S.G. =						TOTAL G.O.
		Tape =	Tape =	TAPE =	TAPE =	TAPE =	INLET =		
SHELDON RESERVOIR		E.L.V. =	Tape =	OUTLET =					
THISTLE CANAL				TAPE =	TAPE =				
SUMAC CANAL				TAPE =	TAPE =				
W.S.M. FILLAREE CHECK		S.G. =	S.G. =						TOTAL G.O.
		Tape =	Tape =	TAPE =	TAPE =	TAPE =	TAPE =	TAPE =	
FILLAREE CANAL				TAPE =	TAPE =				
FLAX CANAL				TAPE =					
W.S.M. FOXGLOVE CHECK		S.G. =	S.G. =						TOTAL G.O.
		Tape =	Tape =	TAPE =	TAPE =	TAPE =	TAPE =		
FOXGLOVE CANAL				TAPE =					
		DATA LOGGER AVG	GAUGE	VOLTAGE					
ROCKWOOD WEIR 24HR AVERAGE =									
NEWSIDE SPILL 24HR AVERAGE =									
EVERGREEN SPILL 24HR AVERAGE =									
EUCALYPTUS SPOT READING =		INCHES =	DISC. =						
	TIME	STAFF GAUGE							
ROCKWOOD POND									
ROCKWOOD POND									
OLD #8 METER STATION									
DIXIELAND									
REMARKS									
TUESDAYS CHECK ALL HYDRAULIC FLUID LEVELS									

HYDROGRAPHER _____

DATE _____

**MAIN CANAL OPERATIONS
HYDROGRAPHER UNIT**

**1 SUPERVISOR
1 CHIEF HYDROGRAPHER
33 HYDROGRAPHERS**

FOLDER CONTENTS:

**OUTLINE OF EACH MAIN CANAL
HYDROGRAPHER RUN**

**FORMS / WORKSHEETS USED IN
DOCUMENTING FIELD WORK ACTIVITY**

**Composite By:
M. A. CARLOS,
Supervisor,
Main Canal Operations**

IMPERIAL IRRIGATION DISTRICT _____ DIVISION

REPORT OF IRREGULAR WATER DELIVERY, BREAKS, WASHES TO DRAINS,
EXCESSIVE WASTE, COUNTY ROAD OR CROP FLOODING

Date	Canal	Gate No.
Owner	Tenant	Acct. No.

DATE	WATER ORDER		MEASURED			TIME		CROP
	Days	C.F.S.	Del.	W. P.	A.M.	P.M.		

Reported by:

_____ Regular Zanjero	_____ Patrol Zanjero
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Water user was contacted by:

_____ Regular Zanjero	_____ Patrol Zanjero	_____ Asst. Supt.	_____ Superintendent
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Determinations and results of contact: _____

Action taken: _____

_____ Date	_____ Superintendent
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AT 1 POINT METER SHEET. CANAL _____ DATE _____ 19 ____
60% OF DEPTH PER STATION AM
 PM

HYDROGRAPHER _____
 METER NO. _____ WATCH NO. _____ ELEVATION OF NAIL OR MARK _____
 MEAN VELOCITY _____ DISTANCE TO WATER SURFACE _____
 ORDER _____ ELEVATION OF WATER SURFACE _____

Dist. From Initial Point	OBSERVATIONS				COMPUTATIONS			
	Depth of Water	Depth of Observation	Time In Seconds	No. of Revolutions	Velocity	Mean Velocity	Area	Discharge in Second Feet

Remarks _____

DATE MEASUREMENTS

STATION _____

HYDROGRAPHER _____

DATE _____

Name of Canal or Gate	Order	Time	Kind of Measurements	No. of Gages	Front	Back	Pressure	Depth	Width	Square Inches	Multiplier	Second Feet

Remarks _____

OBSERVATIONS						COMPUTATIONS					
Dist. From Start Point	Width	Depth		% of Observed Depth	Number of Revolutions	Time in Seconds	Station Velocity	Mean Velocity		Area	Discharge

Total =

GATE MEASUREMENTS

STATION _____ HYDROGRAPHER _____ DATE _____

Name of Canal	Order	Time	Kind of Measurements	No. of Gage	Front	Back	Pressure	Opening	Width	Square Inches	Multiplier	Metered Second Feet	Measured Second Feet

Remarks _____

IMPERIAL IRRIGATION DISTRICT
MEMORANDUM

TO East Highline Patrolmen

DATE January 14, 1997

FROM Supervisor, Operations

COPIES J. Flowers
D. Cox
File

DEPARTMENT Water

SUBJECT Patrol Procedures

In order to streamline the procedures for the East Highline Patrol shifts I have established guidelines to follow. However, these procedures are not any different from years past.

1. Report (on time) to the person handling the canals change sheet. Exchange all pertinent information available. Check in with the Radio Dispatcher so that you get logged in. The patrolman should be set and out of the office within fifteen minutes from the beginning of his shift.
2. Check the truck you will use for the day. Check if vehicle is due for service. Make sure it has the necessary tools, drinking water and ready. The patrol trucks are fueled and cleaned at the end of each shift. The patrolman should leave the yard and enroute to the field site no later than thirty minutes from the beginning of the shift.
3. Use the form "IID-254A" as a worksheet. On top of the sheet log your name, the vehicle number, starting mileage and ending mileage. Put the date on the bottom of the sheet. On the first line of your worksheet log in the time of departure from the Yard. The patrolman should be on the assigned canal within one hour from the beginning of his shift.

Swing Shift:

- 2:00 p.m. Report to work. Pick-up canal changes from the 12 hour man and log in with the radio dispatcher.
 - 2:15 p.m. Leave office
 - 2:30 p.m. leave yard proceed to your assigned area
 - 3:00 p.m. Arrive at designated point on Main Canal.
4. Make lateral heading changes and adjust ponds as close to scheduled time as possible. When there is an extended gap between changes check lateral headings for order and make adjustments. When a lateral is .5 cfs either way of the order an adjustment is required. Remember, each shift's objective is to check and adjust all the laterals within their designated section of the Main Canal.
- 9:00 p.m. Provided all changes are cared for you may leave the canal at this time.
 - 9:30 p.m. Arrive at yard and service vehicle.

5. At the end of the shift check with the Dispatching Unit before leaving the office. Leave your worksheet at the designated location at the end of the shift (daily). Northend patrols mail in all your worksheets at the end of each 10 day shift. Unless otherwise specified.

Night Shift:

- 10:00 p.m. Report to work. Pick-up canal changes from the 12 hour man and log in with the radio dispatcher.
- 10:15 p.m. Leave office
- 10:30 p.m. Leave yard proceed to your assigned area
- 11:00 p.m. Arrive at designated point on Main Canal.

5. Make lateral heading changes and adjust ponds as close to scheduled time as possible. When there is an extended gap between changes check lateral headings for order and make adjustments. When a lateral is .5 cfs either way of the order an adjustment is required. Remember, each shifts' objective is to check and adjust all the laterals within your designated section of the Main Canal.

5:00 a.m. Provided all changes are cared for you may leave the canal at this time.

5:30 a.m. Arrive at yard and service vehicle.

5. At the end of the shift check with the Dispatching Unit before leaving the office. Leave your worksheet at the designated location at the end of the shift (daily). Northend patrols mail in all your worksheets at the end of each 10 day shift. Unless otherwise specified.

Listed are some examples of negative activities we have encountered in the past that we must avoid:

1. Do not go home / store during working hours. If there is a need please notify the Dispatching Unit. The dispatcher will in turn document this information on the radio log.
2. Do not stay away from radio contact for extended periods of time without notifying dispatcher.
3. Do not falsify documentation on the worksheets.
4. Do not use information from the previous shift's worksheet.
5. Do not depart from the canal system prior to the last hour before the end of shift.
6. Do not turn in an incomplete worksheet. Activity should be documented throughout the entire shift.

It is very important to the operation and direction of this unit to work in a productive and professional manner. These procedures are subject to change as the need arises.

Patrol Sheet
used By 911 Patrol

VEH. NO. _____ START _____ FINISH _____ TOTAL _____ SHIFT _____

Canal	Change	Order	Time	Method	Front	Back	Press.	Depth	+ Or -	Width	Sq. In.	Multipl.	C.F.S.	12HR.	INTC.	Miles	Min.

REMARKS _____

TOTAL 12 HOURS _____ 12-HOUR MINUTES _____ 12-HOUR MILES _____

TOTAL INTERCEPTORS _____ INTERCEPTOR MINUTES _____ INTERCEPTOR MILES _____

HYDROGRAPHER _____

DATE _____

**MAIN CANAL OPERATIONS
HYDROGRAPHER UNIT**

**1 SUPERVISOR
1 CHIEF HYDROGRAPHER
33 HYDROGRAPHERS**

FOLDER CONTENTS:

**OUTLINE OF EACH MAIN CANAL
HYDROGRAPHER RUN**

**FORMS / WORKSHEETS USED IN
DOCUMENTING FIELD WORK ACTIVITY**

**Composite By:
M. A. CARLOS,
Supervisor,
Main Canal Operations**

IMPERIAL IRRIGATION DISTRICT
MEMORANDUM

TO East Highline Patrolmen

DATE January 14, 1997

FROM Supervisor, Operations

COPIES J. Flowers
D. COX
File

DEPARTMENT Water

SUBJECT Patrol Procedures

In order to streamline the procedures for the East Highline Patrol shifts I have established guidelines to follow. However, these procedures are not any different from years past.

1. Report (on time) to the person handling the canals change sheet. Exchange all pertinent information available. Check in with the Radio Dispatcher so that you get logged in. The patrolman should be set and out of the office within fifteen minutes from the beginning of his shift.
2. Check the truck you will use for the day. Check if vehicle is due for service. Make sure it has the necessary tools, drinking water and ready. The patrol trucks are fueled and cleaned at the end of each shift. The patrolman should leave the yard and enroute to the field site no later than thirty minutes from the beginning of the shift.
3. Use the form "IID-254A" as a worksheet. On top of the sheet log your name, the vehicle number, starting mileage and ending mileage. Put the date on the bottom of the sheet. On the first line of your worksheet log in the time of departure from the Yard. The patrolman should be on the assigned canal within one hour from the beginning of his shift.

Swing Shift:

- 2:00 p.m. Report to work. Pick-up canal changes from the 12 hour man and log in with the radio dispatcher.
 - 2:15 p.m. Leave office
 - 2:30 p.m. leave yard proceed to your assigned area
 - 3:00 p.m. Arrive at designated point on Main Canal.
4. Make lateral heading changes and adjust ponds as close to scheduled time as possible. When there is an extended gap between changes check lateral headings for order and make adjustments. When a lateral is .5 cfs either way of the order an adjustment is required. Remember, each shift's objective is to check and adjust all the laterals within their designated section of the Main Canal.
- 9:00 p.m. Provided all changes are cared for you may leave the canal at this time.
 - 9:30 p.m. Arrive at yard and service vehicle.

5. At the end of the shift check with the Dispatching Unit before leaving the office. Leave your worksheet at the designated location at the end of the shift (daily). Northend patrols mail in all your worksheets at the end of each 10 day shift. Unless otherwise specified.

Night Shift:

- 10:00 p.m. Report to work. Pick-up canal changes from the 12 hour man and log in with the radio dispatcher.
- 10:15 p.m. Leave office
- 10:30 p.m. leave yard proceed to your assigned area
- 11:00 p.m. Arrive at designated point on Main Canal.

5. Make lateral heading changes and adjust ponds as close to scheduled time as possible. When there is an extended gap between changes check lateral headings for order and make adjustments. When a lateral is .5 cfs either way of the order an adjustment is required. Remember, each shifts' objective is to check and adjust all the laterals within your designated section of the Main Canal.

5:00 a.m. Provided all changes are cared for you may leave the canal at this time.

5:30 a.m. Arrive at yard and service vehicle.

5. At the end of the shift check with the Dispatching Unit before leaving the office. Leave your worksheet at the designated location at the end of the shift (daily). Northend patrols mail in all your worksheets at the end of each 10 day shift. Unless otherwise specified.

Listed are some examples of negative activities we have encountered in the past that we must avoid:

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2. Do not stay away from radio contact for extended periods of time without notifying dispatcher.
3. Do not falsify documentation on the worksheets.
4. Do not use information from the previous shift's worksheet.
5. Do not depart from the canal system prior to the last hour before the end of shift.
6. Do not turn in an incomplete worksheet. Activity should be documented throughout the entire shift.

It is very important to the operation and direction of this unit to work in a productive and professional manner. These procedures are subject to change as the need arises.

*Patrol Sheet
Used By 911 Patrols*

VEH. NO. _____ START _____ FINISH _____ TOTAL _____ SHIFT _____

Canal	Change	Order	Time	Method	Front	Back	Press.	Depth	+ Or -	Width	Sq. In.	Multipl.	C.F.S.	12HR. INTG.	Miles	Min.

REMARKS _____

TOTAL 12 HOURS _____ 12-HOUR MINUTES _____ 12-HOUR MILES _____

TOTAL INTERCEPTORS _____ INTERCEPTOR MINUTES _____ INTERCEPTOR MILES _____

HYDROGRAPHER _____ DATE _____

IID 290 (R2 5-00)

NOTICE

AVISO

EXCESSIVE SPILL

DERRAMAMIENTO EXCESIVO

Canal	Tenant - Arrendatario
Gate - Compuerta	Order - Orden
Gate Measurement - Medicion	

Date - Fecha	Time - Hora	Initial - Iniciales
Spill - Derramamiento		Crop - Cultivo

Date - Fecha	Time - Hora
Spill - Derramamiento	Initials - Iniciales
Gate Measurement - Medicion	

Date	Time	Order Change	Type	Pressure Measurement			Gate Adjustment		Discharge
				Front	Back	Depth	P.M.	A.M.	
			OHS						
			OHS						
			OHS						
			OHS						
			OHS						
			OHS						
			OHS						
			OHS						
			OHS						
			OHS						
			OHS						
			OHS						
			OHS						
			OHS						
			OHS						
			OHS						
			OHS						
			OHS						
			OHS						

Lateral

Width

Hydrographer

IID-295 (2-99) - LATERAL HEADING RUN SLIP

IID-277 (R1 6-00) - NOTICE OF WATER DELIVERED - RUN SLIP Imperial Irrigation District

Order _____, 20_____

This is to advise that in accordance with your application for water I have delivered the following amounts through _____ (Canal or Lateral)

Delivery Gate No. _____ on the dates shown:

Date	Hour	Pressure Measurement				Overpour Measurement		Second Feet
		Front	Back	Depth	Width	Depth	Width	

Acct. No. _____ (Zanjero)

Any claims for shortage or irregularities in this run must be made in writing to the superintendent in charge within five days from the completion of this run.

OBSERVATIONS						COMPUTATIONS			
Dist. From Start Point	Width	Depth	% of Observed Depth	Number of Revolutions	Time in Seconds	Station Velocity	Mean Velocity	Area	Discharge
Total =									

GATE MEASUREMENTS

STATION _____ HYDROGRAPHER _____ DATE _____

Name of Canal	Order	Time	Kind of Measurements	No. of Gate	Front	Back	Pressure	Opening	Width	Square Inches	Multiplier	Meters Second Feet	Measured Second Feet

Remarks _____

HD-255A (R3 9-87) - CURRENT METER NOTES

1 POINT METER SHEET. CANAL _____ DATE _____ 19 ____
 AT *60% OF DEPTH PER STATION* TIME _____ AM _____
 PM _____

HYDROGRAPHER _____

METER NO. _____ WATCH NO. _____ ELEVATION OF NAIL OR MARK _____

MEAN VELOCITY _____ DISTANCE TO WATER SURFACE _____

ORDER _____ ELEVATION OF WATER SURFACE _____

OBSERVATIONS					COMPUTATIONS			
Dist. From Initial Point	Depth of Water	Depth of Observation	Time in Seconds	No. of Revolutions	Velocity	Mean Velocity	Area	Discharge in Second Feet

Remarks _____

GATE MEASUREMENTS

STATION _____

HYDROGRAPHER _____

DATE _____

Name of Canal or Gate	Order	Time	Kind of Measure- ments	No. of Gate	Front	Back	Pressure	Depth	Width	Square Inches	Multiplier	Second Feet

Remarks _____

IID-295 (R2 8-65)

IMPERIAL IRRIGATION DISTRICT _____ DIVISION

REPORT OF IRREGULAR WATER DELIVERY, BREAKS, WASHES TO DRAINS,
EXCESSIVE WASTE, COUNTY ROAD OR CROP FLOODING

_____ Date _____ Canal _____ Gate No.

_____ Owner _____ Tenant _____ Acct. No.

DATE	WATER ORDER		MEASURED			TIME		CROP
	Days	C.F.S.	Del.	W. P.	A.M.	P.M.		

Reported by:

_____ Regular Zanjero _____ Patrol Zanjero

Water user was contacted by:

_____ Regular Zanjero _____ Patrol Zanjero _____ Asst. Supt. _____ Superintendent

Determinations and results of contact: _____

Action taken: _____

_____ Date _____ Superintendent

TAILWATER BOX SURVEY

Date _____

Box Condition: Good

Employee Name _____

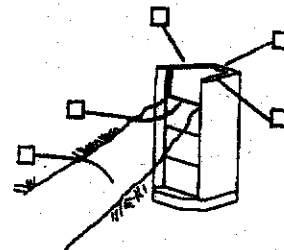
Canal & Gate _____

Drain _____

Acct No. _____

Box No.: _____ Sill Width: _____

Box Type: Block Concrete Plastic Rubble Wood
 Other _____



Draw a simple diagram that includes the lateral, delivery gate, farm unit, all tailwater boxes and drains:



VERIFICATION SITE VISIT

Date: _____

Comments: _____

Canal	HEAD GATE MEASUREMENT								TAILWATER MEASUREMENT			
	Gate No.	Order	Time	Method	Press.	Gate Open	Width	Second Feet	O.P. Depth	Width	Second Feet	15% of Order
TOTAL HEADS RUNNING									TOTAL CHECKED			
ORDERS OF ONE C.F.S. OR LESS												

UNIT NO. _____ ZANJERO _____ DATE _____

HAAC	335.58
SAAC	380.96
BCMC	294.71
SCMC	281.54
BEHL	547.12
CEHL	489.42
HEHL	493.27
SEHL	231.44
VEHL	151.92
SWSM	211.06
WWSM	616.83
Total	4,033.85

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

All American Canal System

Holtville	346.00	330.00	2.42	8.0	0.0	0.0	346.50	133.50	213.00
Southwest	387.00	396.20	0	0.0	0.0	241.90	171.20	70.70	
Total	733.00	726.20	1.1	8.0	0.0	588.40	304.70	283.70	
Total C Co				0.0	0.0				

Central Main Canal System

Brawley	307.00	306.50	0	0.0	0.0	297.70	239.50	58.20
Southwest	294.00	292.80	0	0.0	0.0	261.80	179.80	82.00
Total	601.00	599.30	0	0.0	0.0	559.50	419.30	140.20
Total C Co				0.0	0.0			

East Highline Canal System

Brawley	571.00	546.00	4.21	23.0	0.0	586.00	421.00	165.00
Calipatria	497.00	508.00	0	11.0	0.0	552.50	406.30	146.20
Holtville	497.00	473.00	8.46	0.0	0.0	566.00	256.00	310.00
Southwest	216.00	218.70	8.69	40.0	0.0	231.50	145.00	86.50
Vail	137.00	141.00	0	19.0	0.0	84.00	57.00	27.00
Total	1918.0	1886.7	4.35	40.0	0.0	2020.0	1285.3	734.70
Total C Co				51.0	0.0			

Westside Main Canal System

Southwest	211.00	194.50	12.9	10.0	15.0	159.50	116.50	43.00
Westmorland	597.00	591.50	8.45	10.0	15.0	528.70	368.50	160.20
Total	808.00	786.00	9.54	50.0	0.0	688.20	485.00	203.20
				35.0	0.0			
				60.0	15.0			

Current Date: 03/05/2002

Current Time: 10:01:43

DAILY WATER ALLOTMENT

Line Up Date: 03/05/2002

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Division Totals

Brawley	878.00	852.50	2.7	23.0	0.0	0.0	0.0	883.70	660.50	223.20
Calipatria	497.00	508.00	0	0.0	0.0	0.0	552.50	406.30	146.20	
Holtville	843.00	803.00	5.98	48.0	0.0	0.0	912.50	389.50	523.00	
Southwest	1108.0	1102.2	3.99	29.0	15.0	0.0	894.70	612.50	282.20	
Vail	137.00	141.00	0	0.0	0.0	0.0	84.00	57.00	27.00	
Westmorland	597.00	591.50	8.45	50.0	0.0	0.0	528.70	368.50	160.20	
Grand Total	4060.00	3998.20	4.13	150.0	15.0	0.0	3856.10	2494.30	1361.80	

Total Ordered Quantity : 4,163.200

↑
C.C.O

	Total Station 60	IID Station 60	CVWD Station 60	Loss	Total Pilot Knob	IID Pilot Knob	CVWD Pilot Knob	CVWD Heading
Monday 3/11/02								
	30	0	30	100	-70	-90	20	0
Tuesday 3/12/02								
	30	0	30	100	-70	-90	20	0
Wednesday 3/13/02								
	30	0	30	100	-70	-90	20	0
Thursday 3/14/02								
	30	0	30	100	-70	-90	20	0
Friday 3/15/02								
	30	0	30	100	-70	-90	20	0
Saturday 3/16/02								
	30	0	30	100	-70	-90	20	0
Sunday 3/17/02								
	30	0	30	100	-70	-90	20	0

IID 249 Schedule of Water Orders

Week of March 11, 2002 to March 17, 2002

	Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday		Average Week	Average Last Year	
	Order	Revised	Order	Revised	Order	Revised	Order	Revised	Order	Revised	Order	Revised	Order	Revised			
Holtville																	285

Southwest																	360
-----------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-----

North																	693
-------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-----

Total																	1,338
-------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-------

Total																	
Master Schedule																	
Station 60	30		30		30		30		30		30		30				30
Actual Sta. 60																	1,809

CVWD																	
Master Schedule																	
Station 60	30		30		30		30		30		30		30				30
Actual Sta. 60																	205

IID																	
Master Schedule																	
Station 60	0		0		0		0		0		0		0				0
Actual 60																	1,604

CVWD																	
Heading	0		0		0		0		0		0		0				0
Actual Heading																	164

Arriving + or - Imperial Dam																	
------------------------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Drop 1 Pond																	
-------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Coachella Master Schedule @ Head

Date	Advance	+ or -	Revised			Over-Under	Coachella Deliveries			
	Master	Master	Master	Change Hdg	Order Hdg	Master	2077	2100	2184	2220
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
Total										

Grand Total _____

SCADA CHECK LIST

Thorn Run

Date _____

Hydrographer _____

Spruce Weir		
Time	Pond	actual

Trif 1		
Time	Pond	actual

Trif 9		
Time	Pond	actual

WSM 60		
Time	Pond	actual

Trif 2		
Time	Pond	actual

Trif 10		
Time	Pond	actual

WSM 66		
Time	Pond	actual

Trif 4		
Time	Pond	actual

Trif 13		
Time	Pond	actual

Tamarack		
Time	Pond	actual

Trif 5		
Time	Pond	actual

Trif 14		
Time	Pond	actual

WSM 67		
Time	Pond	actual

Trif 6		
Time	Pond	actual

Trif 16		
Time	Pond	actual

Carter Reservoir			
Time	Pond	actual	Carter Elev actual
			Inlet actual

WSM 99		
Time	Pond	actual

Trif Ext Heading			
Time	Gate 1	actual	Gate 1 actual
			Weir/Disc actual

Remarks _____

SCADA CHECK LIST

Check 11 Run

Date _____
Hydrographer _____

EHL Check 11			
Time	Pond (mm)	actual	DS (mm) actual

Rositas T.O.				
Time	Pond (mm)	actual	DS (mm) actual	Sta 75 actual

Sperber/Rose Pond				
Time	Pond (mm)	actual	Reservoir Elev actual	Inlet actual

Rositas Spill	
mm	actual

Rose Heading				
Time	Gate 1	actual	Outlet actual	Weir actual

Rubber Heading				
Time	Gate 1	actual	Outlet actual	Weir actual

Redwood Heading				
Time	Gate 1	actual	Gate 2 actual	Weir actual

Remarks _____

SCADA CHECK LIST

Nectarline Run

Date _____
Hydrographer _____

Standard Check		
Time	Pond	actual

Nectarline Check			
Time	Pond	actual	Downstream

Vail Turn Out			
Time	Drop O	actual	Drop 2

Singh Reservoir			
Time	Pond	actual	Downstream

Nectarline A		
Time	Pond	actual

Young Reservoir/Check 40A						
Time	40A Pond	actual	40A DS	actual	Young Elev	actual

Vail Drop 41		
Time	miml	actual

Remarks _____

SCADA CHECK LIST

Vail Run

Date _____

Hydrographer _____

NED/Russell Reservoir				
Time	Pond	actual	Downstream	actual
			Res Elevation	actual

Vail 3 Pond		
Time	Pond	actual

Vail Return				
Time	Pond	actual	Return Gate	actual
			Spill	actual

Willey Reservoir				
Time	Elevation	actual	Inlet Weir	actual
			Spill	actual

Remarks _____

SCADA CHECK LIST

Vail Run

Date _____

Hydrographer _____

NED/Russell Reservoir				
Time	Pond	actual	Inlet	actual
			Res Elevation	actual

Vail 3 Pond	
Time	Pond
	actual

Vail Return				
Time	Pond	actual	Return Gate	actual
			Spill	actual

Willey Reservoir			
Time	Elevation	actual	Inlet Weir
			actual
			Spill
			actual

Remarks _____

SCADA CHECK LIST ALLISON RUN

Date _____

Hydrographer _____

AAC EHL Check			
Time	Pond (mm)	actual	actual
	DS (mm)		actual

Alamo River @ Boundary	
Time	

AAC Allison Check			
Time	Pond (mm)	actual	actual
	DS (mm)		actual

AAC Central Main Check				
Time	Pond (mm)	actual	actual	actual
	DS (mm)		actual	actual
			Culvert	actual

EHL Check 1			
Time	Pond (mm)	actual	actual
	DS (mm)		actual

EHL Sidemain Heading		
Time	Gate 1	actual
		actual

Hemlock Heading		
Time	Gate 1	actual
		actual

S. Alamo Heading		
Time	Gate 1	actual
		actual

Holt Heading	
Time	Gate 1
	actual

Remarks _____

**SCADA CHECK LIST
New River AAC RUN**

Date _____

Hydrographer _____

AAC New River Check	
Time	Pond (mml) actual

AAC Wistaria Check		
Time	Pond (mml) actual	DS (mml) actual

Wistaria Heading			
Time	Gate 1	Gate 2	Total
	actual	actual	

Woodbine 2 Heading	
Time	mml actual

Woodbine 3 Heading	
Time	mml actual

Woodbine Heading	
Time	mml actual

Walnut Heading	
Time	mml actual

Womwood Heading	
Time	mml actual

AAC WSM T.O.			
Time	Pond (mml) actual	DS (mml) actual	Weir 1 actual

Fern Check		
Time	Pond (mml) actual	DS (mml) actual

Fern Heading		
Time	mml	actual

Remarks _____

SCADA CHECK LIST
Dahlia Run

Date _____
Hydrographer _____

Central Main Turnout		
Time	Pond (mm)	DS (mm)
	actual	actual

Briar Crossing above Spill Gate		
Time	Pond	Spill
	actual	actual

Briar Siphon Drop (Central Main Weir)	
Time	Weir
	actual

Alder Heading	
Time	Weir
	actual

Acacia Heading	
Time	Weir
	actual

Double Weir	
Time	Pond
	actual

Dahlia Check		
Time	Pond	Downstream
	actual	actual

Remarks _____

Pilot Knob		Pilot Knob Check					Drop 1 Changes		
Power Plant	Spill	Pond	+ or -	@	Gates	Downstream	+ or -	@	Discharge
12 mn							12 mn		
1 am							1 am		
2							2		
3							3		
4							4		
5							5		
6							6		
7							7		
8							8		
9							9		
10							10		
11							11		
12 n							12 n		
1 pm							1 pm		
2							2		
3							3		
4							4		
5							5		
6							6		
7							7		
8							8		
9							9		
10							10		
11 pm							11 pm		

Graveyard	
Day	
Swing	

Date: _____

IID-250A (1-94) - PATROL SHEET - EAST HIGHLINE CANAL, VAIL & ROSITAS SYSTEMS

Del. A		Oleander SM		Del. 12		Lat. X	
Pump 1		Orita		Lat. F		Lat. W	
Pump 2		Osage		Del. 14		Del. 49	
Lat. 5		Oak OAK-A	}	Del. 18		Lat. Y	
Lat. 6		Moss		Lat. G		Del.	
Lat. 7		Magnolia		Del. 20		Del. 51C	
Del. 6		Magnolia A		Del. 21		Lat. Z	
Lat. 8		Mesquite		Lat. H		Niland Ext.	
Pear		Maple		Del. 22			
Lat. 10		Mullen		Del. 22A		Vail Lat. 1	
Lat. 11		Myrtle A		Lat. I		Lat. 2	
Pump 10		Myrtle		Del.		Lat. 2A	
Lat. 12		Munyon		Del.		Lat. 3	
Lat. 13		Mulberry A		Lat. J		Lat. 3A	
Del. 13A		Mulberry		Del. 23A		Lat. 4	
Lat. 14		Malva 1		Del. 23B		Lat. 5	
Lat. 16		Malva 2		Lat. K		Pump 1	
Rositas		Mayflower		Del. 24		Del.	
Paimetto		Marigold		Lat. L		Del.	
Pampas		Standard		Del. 27A		Del.	
Peach		Standard A		Lat. M		Del.	
Plum		Narcissus		Del. 29		Del.	
Pine		Nettle		Del. 30		O'Brien	
Palm		Del. 2		Lat. N		Del.	
Pomelo		Nutmeg		Lat. O		Del.	
Pepper		Del. 3		Del. 31		Del.	
Pansy		Nectarine		Del. 32		Lat. 6	
Township		Del. 3A		Lat. P		Lat. 7	
Oat		Lat. B		Del. 33			
Oasis		Del. 6.		Sidemain		Roselle	
Orient		Lat. C		Del.		Rose	
Occident		Del. 7		Del. 36A		Rubber Hdg.	
Orchid		Lat. D		Del.		Rubber Weir	
Oxalis		Del. 8		Del.		Redwood	
Orange		Del. 10		Del. 45			
Ohmar		Del. 11		Del.		Nect. A	
Oleander		Lat. E		Del.		F. Wells	

WESTSIDE MAIN & CENTRAL MAIN CANAL

Canal	Order	Canal	Order	Canal	Order	Canal	Order
worn A		Del. 60		Del.		CM 1A	
Pump		Del. 61		Del.		CM 1B	
Pump		Spruce		Trif 14		Dogwood	
Pump		Del. 62		Del.		Del.	
Del.		Del.		Del.		Del.	
Del.		Tamarack		Trif 15		Date	
Pump 6		Del. 68		Trif 16		Del.	
Fern		Del. 67		Del.		Del.	
Fern SM		Trif 1		Del.		Dahlia	
Del.		Del. 68		Trif Ext		Del.	
Del.		Trif 2				Evergreen	
Foxglove		Del.				Del.	
Pump		Trif 3				Del.	
Pump		Del. 72				Rice	
Del.		Trif 4				Eucalyptus	
Del.		Del.				Elder	
Del		Del.				Newsale	
Flax		Trif 5				Newsale 1	
Fillaree		Del. 76				Dandelion	
Del.		Trif 6				Del.	
Del.		Del. 77				Del.	
Del.		Trif 7				Del.	
Thistle		Del. 78				Lilac	
Sumac		Del. 79				Lavender 1	
#8 Order		Trif 8				Lavender	
Del. 50		Del. 80				Malan	
Thorn		Del. 81				Mansfield	
Del. 51		Trif 9				Bryant	
Del. 52		Trif 10				Del.	
Thorn 1		Del. 82				Del.	
Del. 55		Trif 11				Rockwood	
Tuberose		Del.					
Del. 56		Del.					
Del. 57		Trif 12					
Turnip		Del.					
Del. 59		Del.					
Sandal		Trif 13					

IID 250B All American Canal & Central Main Canal

Canal	Order	Canal	Order	Canal	Order
Mesa 7		Woodbine 2		Dogwood	
Mesa 5		Del 30		Del 1D	
Sidemain		Woodbine 3		Del 1C	
EHL Del A		Del 31		Del 3	
EHL Pump 1		Del 32		So. Date	
EHL Pump 2		Walnut		Del.	
Mesa 4		Wormwood		Del.	
Pump 18		Del 33		Dahlia	
Mesa 3D		Briar Hdg		Del.	
Mesa 3		Briar A		Del.	
Mesa 2		Ash		Evergreen	
Holt		Briar B		Del.	
Gunterman		Briar C		Del.	
Hemlock		Briar D		Rice	
Yule		Briar E		Eucalyptus	
Del 21		Alamitos		Elder	
Del 23		Briar 1			
Del 23A		Briar 2			
So Alamo		Briar 3			
Birch 1		Birch			
Birch 2		Briar 4			
Del 24		Briar 5			
Del 25		Briar 6			
Del 25B		Beech			
Birch 3		Briar 7			
Del 26		Briar 8			
Wistaria 1		Briar 9			
Wistaria 2		Acacia			
Del 27		Alder			
Wistaria		Old Briar			
Del 28		CM Hdg			
Woodbine		Del 1A			
Del 29		Del 1B			

Young Reservoir

Evaporation /12"

Month:

Max:
Min:
23:00

Evap:
Outlet AF
Evap AF
Elev Diff
Inlet AF

Outlet cfs

Main cfs
North cfs
Inlet cfs

Accum AF

Max:
Min:
23:00

			10	11	12

Evap:
Outlet AF
Evap AF
Elev Diff
Inlet AF

Outlet cfs

Main cfs
North cfs
Inlet cfs

Accum AF

Max:
Min:
23:00

			15	17	18

Evap:
Outlet AF
Evap AF
Elev Diff
Inlet AF

Outlet cfs

Main cfs
North cfs
Inlet cfs

Accum AF

Bevins Reservoir

Evaporation /12*21.5

Month:

Max:					
Min:					
23:00					
Evap:					
Outlet AF					
Evap AF					
Elev Diff					
Inlet AF					
Outlet cfs					
Inlet cfs					
Accum AF					
Max:					
Min:					
23:00					
Evap:					
Outlet AF					
Evap AF					
Elev Diff					
Inlet AF					
Outlet cfs					
Inlet cfs					
Accum AF					
Max:					
Min:					
23:00					
Evap:					
Outlet AF					
Evap AF					
Elev Diff					
Inlet AF					
Outlet cfs					
Inlet cfs					
Accum AF					

Sperber Reservoir

Evaporation /12*49.5

Month:

Max:

Min:

23:00

Evap:

Outlet AF

Evap AF

Elev Diff

Inlet AF

Rose cfs

Rubber cfs

Outlet cfs

Inlet cfs

--

--

--

--

--

--

Accum AF

--

--

--

--

--

--

Max:

Min:

23:00

Evap:

Outlet AF

Evap AF

Elev Diff

Inlet AF

Rose cfs

Rubber cfs

Outlet cfs

Inlet cfs

--

--

--

--

--

--

Accum AF

--

--

--

--

--

--

Max:

Min:

23:00

Evap:

Outlet AF

Evap AF

Elev Diff

Inlet AF

Rose cfs

Rubber cfs

Outlet cfs

Inlet cfs

--

Accum AF

--

Carter Reservoir

Evaporation /12"

Month:

Max:
Min:
23:00

Evap:
Outlet AF
Evap AF
Elev Diff
Inlet AF

Outlet cfs

--	--	--	--	--	--

Inlet cfs

--	--	--	--	--	--

Accum AF

--	--	--	--	--	--

Max:
Min:
23:00

Evap:
Outlet AF
Evap AF
Elev Diff
Inlet AF

Outlet cfs

--	--	--	--	--	--

Inlet cfs

--	--	--	--	--	--

Accum AF

--	--	--	--	--	--

Max:
Min:
23:00

Evap:
Outlet AF
Evap AF
Elev Diff
Inlet AF

Outlet cfs

--	--	--	--	--	--

Inlet cfs

--	--	--	--	--	--

Accum AF

--	--	--	--	--	--

Sheldon Reservoir

Month:

Evaporation /12*48

Max:						
Min:						
23:00						
Evap:						
Outlet AF						
Evap AF						
Elev Diff						
Inlet AF						
Outlet cfs						
Inlet cfs						
Accum AF						
Max:						
Min:						
23:00						
Evap:						
Outlet AF						
Evap AF						
Elev Diff						
Inlet AF						
Outlet cfs						
Inlet cfs						
Accum AF						
Max:						
Min:						
23:00						
Evap:						
Outlet AF						
Evap AF						
Elev Diff						
Inlet AF						
Outlet cfs						
Inlet cfs						
Accum AF						

Fudge Reservoir

Evaporation /12*24.6

Month:

Max:						
Min:						
23:00						
Evap:						
Outlet AF						
Evap AF						
Elev Diff						
Inlet AF						
Outlet cfs						
Inlet cfs						
Accum AF						
Max:				10	11	12
Min:						
23:00						
Evap:						
Outlet AF						
Evap AF						
Elev Diff						
Inlet AF						
Outlet cfs						
Inlet cfs						
Accum AF						
Max:				13	14	15
Min:						
23:00						
Evap:						
Outlet AF						
Evap AF						
Elev Diff						
Inlet AF						
Outlet cfs						
Inlet cfs						
Accum AF						

Galleano Reservoir

Month:

Evaporation /12*26.5

Max:						
Min:						
23:00						
Evap:						
Outlet AF						
Evap AF						
Elev Diff						
Inlet AF						
Outlet cfs						
Inlet cfs						
Accum AF						
Max:						
Min:						
23:00						
Evap:						
Outlet AF						
Evap AF						
Elev Diff						
Inlet AF						
Outlet cfs						
Inlet cfs						
Accum AF						
Max:						
Min:						
23:00						
Evap:						
Outlet AF						
Evap AF						
Elev Diff						
Inlet AF						
Outlet cfs						
Inlet cfs						
Accum AF						

Month: _____

SINGH RESERVOIR

EVAP/12'28

Max						
Min						
23:00						
Evap						
Outlet AF						
Evap AF						
Elev Diff						
Inlet AF						
Drop 2						
Drop 0						
Vail Outlet						
Pump Flow						
Total Outlet						
Inlet CFS						
Accum AF						
Max						
Min						
23:00						
Evap						
Outlet AF						
Evap AF						
Elev Diff						
Inlet AF						
Drop 2						
Drop 0						
Vail Outlet						
Pump Flow						
Total Outlet						
Inlet CFS						
Accum AF						
Max						
Min						
23:00						
Evap						
Outlet AF						
Evap AF						
Elev Diff						
Inlet AF						
Drop 2						
Drop 0						
Vail Outlet						
Pump Flow						
Total Outlet						
Inlet CFS						
Accum AF						

IID-263 (R4 5-85) - COLORADO RIVER AT IMPERIAL DAM

Date _____

8 AM REPORT

Sta. 60 Order _____ Pilot Knob Diff. _____
Pilot Knob Order _____ Lake Elev. _____
Sta. 1117 8 AM
Flow Above Dam _____ Head Method _____
Sta. 60 I.I.D. _____ Gate Opening _____
Yuma Turnout _____ Disch. Per Point _____

I.I.D. _____

C.V.W.D. _____

Total _____

At _____ Called _____

Revised Estimate For _____

I.I.D. From _____ To _____ = _____

C.V.W.D. From _____ To _____ = _____

Revised Estimate For _____

I.I.D. From _____ To _____ = _____

C.V.W.D. From _____ To _____ = _____

Ordered _____ At P.K. At _____ = _____ G.O.

I.I.D. _____ C.V.W.D. _____

Divisions =

Booking =

	Delivered Today	Ordered Tomorrow	+ or -
All American Canal at Station 60			
Pilot Knob to River			
Discharge below Pilot Knob			
Coachella Canal			
Discharge below Drop 1			
Diversions above Drop 1			
East Highline Canal			
Sidemaig and Mesa 5			
AAC below EHL Check			
Holtville Del. above Allison			
Holtville Del. Below Allison			
Brier Canal			
Central Main Canal			
AAC Del. west of New River			
Westside Main Canal			
Total Diversions below Drop 1			

	Delivered Today	Ordered Today	+ or -
East Highline Canal			
Holtville Deliveries			
North Deliveries			
Rositas Canal			
Vail Canal			

Operational Discharge	Alamo River	New River	+ or -
All America Canal			
Dahlie Spill			
No. 4 Spill			
Dobe Spill			
Rositas Spill			
Mexico at Boundary			
Z Spill			
Total			

Ordered at No. 8 Heading _____

Passing NED Alamo River AM _____ PM _____

Date _____

Westside Main Canal		Central Main	
Westmorland		No. 4	
Filiaree		Lavender	
Fern		Newside	
Loss		Dahlia	
		Dogwood	
		Loss	

IID-272 (R3 7-86) - TAILWATER REPORT

FIRST CHECK

Date _____ No. _____

Canal _____ Gate _____ Time _____

Order _____ Received _____ 15%= _____ Tailwater= _____

Water User _____

Account No. _____

Telephone No. _____

Attempted Notification at _____

Notified _____ Dispatcher _____

Note _____

Crop= _____

HEAD GATE		TAILWATER STRUCTURE	
Gate Raised		Submerged	
Gate Lowered		Straight Flow	
Pressure Up		Pipe Flow	
Pressure Down		Bad Box	
No Pressure		Good Measurement	

SECOND CHECK

Date _____ Time _____ Order _____

Received _____ 15%= _____ Tailwater _____ = _____ %

HEAD GATE		TAILWATER STRUCTURE	
Gate Raised		Submerged	
Gate Lowered		Straight Flow	
Pressure Up		Pipe Flow	
Pressure Down		Bad Box	
No Pressure		Good Measurement	

Note _____

Manager, Water Department
 Supervisor, Customer Accounting
 Superintendent, Division

Dispatcher _____

Apply Assessment _____

WATER ORDER OR CHANGE FORM
IID-282 (R5 5-87)

IMPERIAL IRRIGATION DISTRICT
APPLICATION FOR WATER

Date _____ Account No. _____

Time _____ AM
PM

Division _____

Starting not earlier than _____
(Date)

please deliver _____ Second Feet

from _____ Canal

through Delivery Gate No. _____

Delivery is required for _____ days,

to irrigate _____

of Tract _____, Sec. _____, T. _____ S., R. _____ E.

Owner's name _____

By _____
(Authorized Agent)

Telephone No. _____
(For District Notification of Scheduled Delivery)

(See Reverse Side for Instructions)

IID-282 Application for Water

This is a record of when the water user has
called to order his water.

All applications for water are subject to the Rules and Regulations of the District.

Water will be scheduled for delivery within three days of the earliest date for which application is made. Applicant will be notified of the scheduled delivery date not later than the preceding day.

Orders received at the Division Office later than 12:00 noon on any day will be considered as having been filed the following day.

All claims of shortage or irregularities in any delivery must be made in writing to the Division Superintendent, within five days from completion of the run.

To Avoid Errors:

Use this form for water orders, with all spaces properly filled in.

Sign all applications with the exact name and initials under which the account is carried by the District.

Arrange to receive notification from District of scheduled delivery date.

Secure additional copies of this form from any Division Office or Zanjero.

IID-282 Application for Water

This is a record of when the water user has called to order his water.

WATER CANCEL FORM

IID-281 (R5 5-87)

IMPERIAL IRRIGATION DISTRICT
WATER SHUT-OFF ORDER

Date _____ Account No. _____

Time _____ AM
PM

Division _____

Please discontinue on _____
(Date)

the run of _____ Second Feet

from _____ Canal

through Delivery Gate No. _____

This run started on _____
(Date)

and was ordered for _____ days

to irrigate _____

of Tract _____, Sec. _____, T. _____ S., R. _____ E.

Owner's name _____

By _____
(Authorized Agent)

(See Reverse Side for Instructions)

IID-281 Water Shut-Off Order

This is a record of when the water order is
requested to be shut-off by the user.

For all deliveries of water ordered for an indefinite length of run, shut-off orders will be handled as follows:

Shut-off orders may be filed on any day of the week. Orders received at the Division Office before 12:00 noon on any day, will be complied with the second following day.

Orders received later than 12:00 noon will be considered as having been filed the following day.

A shut-off order placed on the delivery gate must be so placed before the scheduled time of the zanjero for passing that gate, to be effective on the second following day.

To Avoid Errors:

Use this form for shut-off orders, with all spaces properly filled in.

Sign all orders with the exact name and initials under which the account is carried by the District.

Secure additional copies of this form from any Division Office or Zanjero.

IID-281 Water Shut-Off Order

This is a record of when the water order is requested to be shut-off by the user.

Zanjero Charge Sheet

This form is used by the Zanjeros to record the amount of water being charged to the water user.

ZANJERO CHARGE SHEET

Run: 'H'

Division: 15

Time: 13:12:15

GI Date: 03/06/2002

order/Item	Canal/Gate	Tenant	# Days	CFS	DT	CO	CTy	Conf	DS	Crop	Acres
STime	ETime	NDay	Purpose	Crop	Acr	Pr	Open	Cut	Width	FH	12H
304568 / 000001	F 3 001	JON JOHNSON	28	12.0	ON				ZP	301	145
305145 / 000001	F 22 001	WHITTED FARMS	30	14.0	RG				ZF	310	75
90604331 / 000001	F 999 999	OPERATIONAL WATER	18	1.0	OP	3			ZP		0
canal: H F LATERL Orders: 3 Del qty: 26.0 Losses: 1.0 Total: 27.0											
305444 / 000001	G 7 001	RICK YOUNG	1	9.0	RG				ZF	300	36
305042 / 000001	G 12 001	RICK YOUNG	2	12.0	RG				ZF	343	150
305097 / 000001	G 20 001	WHITTED FARMS	1	10.0	DE				ZF	310	149

ZANJERO CHARGE SHEET

GI Date: 03/06/2002

Time: 13:12:15

Division: 15

Run: 'H'

order/Item	Canal/Gate	Tenant	# Days	CFS	DT	CO	CTy	Conf	DS	Crop	Acres	
STime	ETime	NDay	Method	Purpose	Crop	Acr	Pr	Open	Cut	Width	PH	12H
304756 / 000001	I 34 001	JOSE GUADALUPE CAMAC	29	12.0	ON				ZP	309	150	
304758 / 000001	I 36 001	JOSE GUADALUPE CAMAC	29	12.0	ON				ZP	309	150	
304968 / 000001	I 40 001	CURRIER & SONS	1	10.0	RG				ZF	300	75	
304969 / 000001	I 41 001	CURRIER & SONS	1	10.0	RG				ZF	300	75	
288128 / 000001	I 42 001	BRANDT CO INC	38	2.0	SW				ZP	505	1	
90630182 / 000001	I 999 999	OPERATIONAL WATER	22	1.0	OP				ZP		0	

ZANJERO CHARGE SHEET

GI Date: 03/06/2002 Time: 13:12:15 Division: 15 Run: 'H'

order/Item	Canal/Gate	Tenant	# Days	CFS	DT	CO	CTY	Conf	DS	Crop	Acres
STime	BTime	NDay	Purpose	Crop	Acr	Pr	Open	Cut	Width	FH	12H

canal: H_I_LATERAL Orders: 8 Del qty: 57.0 Losses: 1.0 Total: 58.0

Run: 'H' totals Orders: 18 Del qty: 142.0 Losses: 3.0 Total: 145.0

IID-269 Tailwater Measurements**(re-ride sheet)**

This is carried with the Zanjero during the day to document what the water user is getting at his delivery gate and what he is spilling at his tailwater box.

**IID-295 Report of Irregular Water Delivery, Breaks, Washes to Drains,
Excessive Waste, County Road, or Crop Flooding**

This form is used by the Zanjero to report any tampering of the delivery gate without notifying any IID personnel which results in an irregular run.

IMPERIAL IRRIGATION DISTRICT _____ DIVISION

REPORT OF IRREGULAR WATER DELIVERY, BREAKS, WASHES TO DRAINS,
EXCESSIVE WASTE, COUNTY ROAD, OR CROP FLOODING

_____ Date _____ Canal _____ Gate No. _____

_____ Owner _____ Tenant _____ Acct. No. _____

DATE	WATER ORDER		MEASURED			TIME		CROP
	Days	c.f.s.	Del.	W.P.	A.M.	P.M.		

Reported by: _____

_____ Regular Zanjero _____ Patrol Zanjero

Water user was contacted by: _____

_____ Reg. Zanjero _____ Patrol Zanjero _____ Asst. Supt. _____ Superintendent

Determinations and results of contact: _____

Action taken: _____

_____ Date _____ Superintendent

IID-208 Certificate of Ownership and Authorization of Agent or Tenant (Water card)

This card is used when a Landowner leases his ground to another to give him authorization to order water on his land.

IID-208 RG 4-01	WATER COORDINATOR	DIVISION SUPT.	REAL ESTATE	NEW <input type="checkbox"/> ACCT. NO. _____ OLD <input type="checkbox"/> CHANGE _____
DATE _____				
INITIALS _____				
BILL: OWNER <input type="checkbox"/>	NEW: OWNER/TENANT <input type="checkbox"/>			GATE <input type="checkbox"/> PIPE <input type="checkbox"/> PUMP <input type="checkbox"/>
	DEPOSIT PAID <input type="checkbox"/>	WORKED MAP	REVISED CARD REQUESTED	CANAL _____
DATE _____				GATE _____
INITIALS _____				

DETAILED LEGAL DESCRIPTION AND ASSESSOR'S PARCEL NO.:

SECTION OR TRACT _____ T _____ S R _____ E SBM _____

ACRES _____

**IID-208 Certificate of Ownership and Authorization of Agent or Tenant
(Water card)**

This card is used when a Landowner leases his ground to another to give him authorization to order water on his land.

WATER CARD

Imperial Irrigation District

Account No. _____

CERTIFICATE OF OWNERSHIP AND AUTHORIZATION OF AGENT OR TENANT

NOTICE: Water furnished under this agreement is untreated and is being furnished solely for agricultural or non-human consumptive uses.

VOID - IF ALTERED

I hereby certify that I am the owner of part(s) of Section(s) or Tract(s) _____

T _____ S R _____ E SBM containing _____ acres as shown by detailed legal description on reverse side, and am entitled to water from Imperial Irrigation District. The water user agrees to provide his/her own water for human consumption at his/her own expense from an approved source.

I hereby authorize _____ (Name)

(Write In Above - Tenant or Agent)

Address _____

to order water for delivery to the land described, and hereby confirm all orders by him, and guarantee the payment of all charges, _____ under the rules and regulations of the District. This authorization shall be revocable at any time upon issuance of a new Certificate of Ownership and Authorization of Agent or Tenant by the landowner to the District.

This authorization will be effective on condition that the tenant named herein deposit with the District \$ _____ to be applied in payment of unpaid charges for water delivered to said tenant. (If no deposit required, write in "None.") _____ Effective Date _____, 20 _____

Name of Landowner _____

(Print Above - Partner, Corporation, or Agent)

Signature of Landowner _____

(Sign Above - Partner, Corporation, or Agent)

Address _____

IID-277 Notice of Water Delivered - Run Slip (Blue ticket)

This is a record of when the water order started and when it was checked. It is left on the gate for water user information.

BLUE SLIP

IID-277 (R1 6-00) - NOTICE OF WATER DELIVERED - RUN SLIP
Imperial Irrigation District

Order _____, 20____

This is to advise that in accordance with your application for water I have delivered the following amounts through _____

(Canal or Lateral)
Delivery Gate No. _____ on the dates shown

Date	Hour	Pressure Measurement				Overhaul Measurement		Second Feet
		Front	Back	Depth	Width	Depth	Width	

Acct. No. _____ (Zanjero)

Any claims for shortage or irregularities in this run must be made in writing to the superintendent in charge within five days from the completion of this run.

Verification Sheet

This report verifies what has been done
for that particular day on the Zanjero's run.

Division : 15 Run: 'H'
 Delivery date : 03/05/2002

Plot number	Del. Per Name	Days	Ord. qty	Delv. qty	Chrg. qty	Ord. no. / Item
F 3 001	ON JOHNSON, JON	29.0	12.0	12.9	12.9	304568 / 00
F 6 001	RG HOFFMAN & ALLEN	1.0	7.0	7.2	7.2	303978 / 00
CHRGAL >> HIGH WATERD << TOTALS 2 ORDERS 19.0 20.1 20.1						
G 3 001	AM CROWN FARMING	1.0	2.0	1.3	1.3	304857 / 00
G 6A001	RG YOUNG, RICK	2.0	9.0	8.9	8.9	304698 / 00
G 10 001	RG LAYAYE, LEON	29.0	12.0	12.6	12.6	304259 / 00
G 20 001	ON WHITTED FARMS	29.0	14.0	14.4	14.4	304619 / 00
G 22 001	ON WHITTED FARMS	29.0	14.0	14.5	14.5	304620 / 00
G 45A002	SW BRANDT CO INC	43.0	2.0	0.2	0.2	288126 / 00
CHRGAL >> HIGH WATERD << TOTALS 6 ORDERS 53.0 51.9 51.9						
H 12 001	ON BILL WIEST RANCHES INC	29.0	14.0	14.5	14.5	304605 / 00
CHRGAL >> HIGH WATERD << TOTALS 1 ORDERS 14.0 14.5 14.5						
I 8 001	RG LAYAYE, LEON	3.0	9.0	9.0	9.0	304878 / 00
I 27 001	ON EARTHRISE FARMS	39.0	2.0	2.0	2.0	288127 / 00
I 34 001	ON CAMACHO	30.0	12.0	12.2	12.2	304756 / 00
I 36 001	ON CAMACHO	30.0	12.0	12.9	12.9	304758 / 00
I 42 001	SW BRANDT CO INC	39.0	2.0	0.2	0.2	288128 / 00
CHRGAL >> HIGH WATERD << TOTALS 5 ORDERS 37.0 36.3 36.3						

Run >> 'H' << totals 14 ORDERS 123.0 122.8 122.8

IID-53 Green Memo and Reply

This form is used for any official notifications between departments (i.e. Water Co-ordinators and Customer Accounting)

GREEN MEMO

IID-53 (R1 5-72) - MEMO AND REPLY

TO		FROM
SUBJECT		
MESSAGE		
DATE		SIGNATURE
REPLY		
DATE		SIGNATURE

IID-236 Address & Miscellaneous Change Record

This form is used when the water user wants to change the billing address for that particular gate.

IID-236 (R4 2-77) - ADDRESS & MISCELLANEOUS CHANGE RECORD *For Grower*

DATE _____ ACCOUNT NO. _____

NAME _____

CANCEL / FROM _____

ADD / TO _____

- ACREAGE CHANGE
- GATE CHANGE
- NAME CHANGE
- ADDRESS CHANGE
- LOCATION CHANGE

AUTHORITY _____

TAKEN BY _____

WORKED BY _____

ZANJERO MAINTENANCE AND
BARRICADE REPORT

ZANJERO _____

DATE _____

CANAL OR DRAIN _____

LOCATION _____

GATE SIZE _____

GATE REPAIR _____

CHECK REPAIR _____

HOSS PIPE REPAIR _____

CONCRETE LINNING REPAIR _____

RIFRAP _____

OTHER MAINTENANCE _____

BARRICADES _____

REMARKS _____

ACTION TAKEN _____

Zanjero Maintenance & Barricade Report

This form is used when a Zanjero wants to report any maintenance needed on his run.

Zanjero Run Sheet

This is a report of all deliveries on a Zanjero's run.

ZANJERO RUN SHEET

Run: NEA

Division: 15

Time: 14:49:02

GI Date: 03/06/2002

order/Item	Canal/Gate	Tenant	# Days	CFS	DT	CO	CTy	Conf	DS	Crop	Acres
304979 / 000001	STD 3 001	J C REEVES	1	10.0	FH				ZF	343	71
304601 / 000001	STD 6 001	WATTE & WATTE	1	9.0	RG				ZP	300	70
304599 / 000001	STD 7 001	WATTE & WATTE	2	12.0	RG				ZP	300	144
305087 / 000001	STD 9 001	LANCE REEVES	2	10.0	RG				ZF	300	146
305149 / 000001	STD 11 001	ROBERT B SHANK	2	14.0	RG				ZF	300	144
305278 / 000001	STD 15A001	STEVE REEVES	1	7.0	FH				ZF	300	72
90604347 / 000001	STD999 999	OPERATIONAL WATER	38	3.0	OP				ZP		0
canal: NEA STANDR Orders:			7	Del qty:	62.0	Losses:	3.0	Total:	65.0		
304598 / 000001	NAR 6 001	WATTE & WATTE	1	8.0	RG				ZP	300	70
304669 / 000001	NAR 18 001	C BAR SL & C	1	11.0	RG				ZP	300	150
299440 / 000001	NAR 21 002	SUPERIOR CATTLE FEED	34	0.2	SW			ON	ZP	505	19
299441 / 000001	NAR 22 001	CALIFORNIA DEPT OF F	49	1.0	ON				ZP	507	60
299442 / 000001	NAR 23 001	CALIFORNIA DEPT OF F	49	1.0	ON				ZP	507	60
90630956 / 000001	NAR999 999	OPERATIONAL WATER	34	1.8	OP				ZP		0
canal: NEA NARCIS Orders:			6	Del qty:	21.2	Losses:	1.8	Total:	23.0		
304671 / 000001	NET 2 001	CHARLES SMITH JR	2	10.0	RG				ZF	341	150
303737 / 000001	NET 18 001	SUPERIOR CATTLE FEED	25	0.2	SW			ON	ZP	505	75
90604324 / 000001	NET999 999	OPERATIONAL WATER	39	1.8	OP	1			ZP		0
canal: NEA NETTLE Orders:			3	Del qty:	10.2	Losses:	1.8	Total:	12.0		
304718 / 000001	NEC 001	RICK YOUNG	1	10.0	RG				ZP	343	70
305079 / 000001	NEC 2 001	RICK YOUNG	1	13.0	RG				ZF	341	75
90604326 / 000001	NEC999 999	OPERATIONAL WATER	38	2.0	OP				ZP		0

ZANJERO RUN SHEET

Run: NEA

Division: 15

Time: 14:49:02

GI Date: 03/06/2002

order/Item	Canal/Gate	Tenant	# Days	CFS	DT	CO	CTy	Conf	DS	Crop	Acres
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canal: NEA_NECTRN Orders: 3 Del qty: 23.0 Losses: 2.0 Total: 25.0

Run: NEA totals Orders: 19 Del qty: 116.4 Losses: 8.6 Total: 125.0

Zanjero Run Sheet

This is a report of all deliveries on a Zanjero's run.

GI Date: 03/06/2002

Time: 14:49:02

Division: 15

Run: NEA

ZANJERO RUN SHEET

order/Item	Canal/Gate	Tenant	# Days	CFS	DT	CO	CTy	Conf	DS	Crop	Acres
304979 / 000001	STD 3 001	J C REEVES	1	10.0	FH				ZF	343	71
304601 / 000001	STD 6 001	WATTE & WATTE	1	9.0	RG				ZP	300	70
304599 / 000001	STD 7 001	WATTE & WATTE	2	12.0	RG				ZP	300	144
305087 / 000001	STD 9 001	LANCE REEVES	2	10.0	RG				ZF	300	146
305149 / 000001	STD 11 001	ROBERT B SHANK	2	14.0	RG				ZF	300	144
305278 / 000001	STD 15A001	STEVE REEVES	1	7.0	FH				ZF	300	72
90604347 / 000001	STD999 999	OPERATIONAL WATER	38	3.0	OP				ZP		0
canal: NEA STANDR Orders: 7 Del qty: 62.0 Losses: 3.0 Total: 65.0											
304598 / 000001	NAR 6 001	WATTE & WATTE	1	8.0	RG				ZP	300	70
304669 / 000001	NAR 18 001	C BAR SL & C	1	11.0	RG				ZP	300	150
299440 / 000001	NAR 21 002	SUPERIOR CATTLE FEED	34	0.2	SW			ON	ZP	505	19
299441 / 000001	NAR 22 001	CALIFORNIA DEPT OF F	49	1.0	ON				ZP	507	60
299442 / 000001	NAR 23 001	CALIFORNIA DEPT OF F	49	1.0	ON				ZP	507	60
90630956 / 000001	NAR999 999	OPERATIONAL WATER	34	1.8	OP				ZP		0
canal: NEA NARCIS Orders: 6 Del qty: 21.2 Losses: 1.8 Total: 23.0											
304671 / 000001	NET 2 001	CHARLES SMITH JR	2	10.0	RG				ZF	341	150
303737 / 000001	NET 18 001	SUPERIOR CATTLE FEED	25	0.2	SW			ON	ZP	505	75
90604324 / 000001	NET999 999	OPERATIONAL WATER	39	1.8	OP	1			ZP		0
canal: NEA NETTLE Orders: 3 Del qty: 10.2 Losses: 1.8 Total: 12.0											
304718 / 000001	NEC 001	RICK YOUNG	1	10.0	RG				ZP	343	70
305079 / 000001	NEC 2 001	RICK YOUNG	1	13.0	RG				ZF	341	75
90604326 / 000001	NEC999 999	OPERATIONAL WATER	38	2.0	OP				ZP		0

ZAMJERO RUN SHEET

Run: NEA

Time: 14:49:02

GI Date: 03/06/2002

Division: 15

order/Item	Canal/Gate	Tenant	# Days	CFS	DT	CO	CTY	Conf	DS	Crop	Acres
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Canal: NPA NECTRN Orders: 3 Del qty: 23.0 Losses: 2.0 Total: 25.0

Run: NPA totals Orders: 19 Del qty: 116.4 Losses: 8.6 Total: 125.0

Patrol Change Sheet

This form is used by the Swing and Graveyard shifts to record any changes, shut-offs, or increases that happens to the original water orders for the day.

Hottable Division

NIGHT PATROL OPERATIONS REPORT	
UNIT # _____	TIME OF CONTACT 1ST _____ 2ND _____
PERSON RECEIVING CALL _____	
ZANJERO _____	DATE _____
PATROL SHIFT A.M. _____	P.M. _____
CANAL _____	
LOCATION _____	
REMARKS-WILL FINISH @ _____	
FARMER NAME _____ (CALLER _____)	
TYPE OF ORDER	
12 HR _____ A.M.	24 HR _____
12 HR _____ P.M.	INTERCEPTOR _____
12 HR _____ I.P.	
TIME CALLED _____	AMOUNT OF ORDER _____
AMOUNT RETURNED _____	TIME RETURNED _____
START TIME _____	FINISH TIME _____
ACTION TAKEN _____	
PATROLMAN: _____	
NIPATROL.XLS REVISED OCTOBER 14, 2001	

IID-287B Daily Water Record (Green Sheet)

This form is used to order Divisional water from
Water Control.

CENTRAL MAIN	ORDER	RECEIVED	LAT. SPILL	DELIVERED	CHARGED
Lilac					
Lavender Lateral 1					
Lavender					
Malva					
Mansfield					
Bryant	*				
Best	*				
Stanley	*				
Oakley	*				
Bryant Total					
C.M. Delivery 15					
C.M. Delivery 16					
BRY TOTAL					
Rockwood					
Moorehead	*				
RW TOTAL					
TOTAL C.M. AT NO 4					
RECOVERED					
EAST HIGHLINE					
Orchid					
Olive	*				
Oxalis					
Orange					
Ohmar					
ORC TOTAL					
Oleander					
Oleander Side Main					
Orita					
Osage					
Oak "A"					
Oak					
Moss					
Magnolia "A"					
Magnolia					
OLE TOTAL					
Mesquite					
Maple					
Mullan					
Myrtle "A"					
Myrtle					
Munyon					
MEST TOTAL					
Mulberry					
Malva 1					
Malva 2					
Mayflower					
Marigold					
MUL TOTAL					
E.H.L. TOTAL					
RECOVERED					
EAST HIGHLINE TOTAL					
CENTRAL MAIN TOTAL					
GRAND TOTAL					

Changes: _____

Date: _____ Water Coordinator: _____

GREEN SHEET

ZANJERO RUN INFORMATION

Division Code	Run	Canal	Gate	Site ID	Gate Width (Inches)	# of TW Boxes	# of Tenants	Multiple Raids (Y/N)	Multiple Crops (Y/N)	Typical Turnin / Stuck off Time (24 hr run)	Gross Ac	Home Ac	Drain Ac	Raw Ac	Net Ac	Comments
25 N - Brawley	BRY	BCMC	BRY	45	2398	36	2	1	Y	6:30 - 6:30	114	2	0	0	112	
25 N - Brawley	BRY	BCMC	BRY	58	2399	36	1	2	N	6:35 - 6:35	31	1	2	0	28	
25 N - Brawley	BRY	BCMC	BRY	57 A	2401	18	0	1	N	NONE	6	0	1	0	5	APARTMENT COMPLEX
25 N - Brawley	BRY	BCMC	BRY	57	2400	36	1	3	N	6:40 - 6:40	75	2	1	0	72	
25 N - Brawley	BRY	BCMC	BRY	58	2402	36	0	1	N	6:45 - 6:45	9	0	0	0	9	CITY PONDS
25 N - Brawley	BRY	BCMC	BRY	82	2403	42	1	1	N	6:45 - 6:45	78	0	1	0	77	
25 N - Brawley	BRY	BCMC	BST	46	2404	36	1	4	Y	6:40 - 6:40	151	3	5	0	143	
25 N - Brawley	BRY	BCMC	BST	47 B	2407	36	2	1	N	6:45 - 6:45	94	0	2	0	92	
25 N - Brawley	BRY	BCMC	BST	47	2405	36	2	2	Y	6:45 - 6:45	169	0	19	0	140	
25 N - Brawley	BRY	BCMC	BST	48	2408	36	2	2	Y	6:50 - 6:50	161	1	10	0	150	
25 N - Brawley	BRY	BCMC	BST	49	2409	36	2	2	Y	6:50 - 6:50	161	16	5	0	140	
25 N - Brawley	BRY	BCMC	BST	50	2410	36	2	1	Y	6:55 - 6:55	159	0	19	0	140	
25 N - Brawley	BRY	BCMC	BST	51	2411	36	2	2	N	6:55 - 6:55	155	0	3	0	152	
25 N - Brawley	BRY	BCMC	BST	52	2412	36	2	1	N	7:00 - 7:00	81	6	7	0	68	
25 N - Brawley	BRY	BCMC	BST	53	2413	36	1	1	N	7:00 - 7:00	79	0	4	0	75	
25 N - Brawley	BRY	BCMC	BST	54	2414	36	2	1	N	7:00 - 7:00	160	0	5	0	155	
25 N - Brawley	BRY	BCMC	BST	100 A	2416	36	1	1	N	7:05 - 7:05	92	3	9	0	80	
25 N - Brawley	BRY	BCMC	BST	100	2415	36	1	3	N	7:05 - 7:05	79	5	2	0	72	
25 N - Brawley	BRY	BCMC	BST	102	2417	36	1	1	N	7:10 - 7:10	171	0	9	0	162	
25 N - Brawley	BRY	BCMC	BST	103	2418	36	0	1	N	NONE	0	0	0	0	0	NO DELIVERY GATE
25 N - Brawley	BRY	BCMC	BST	104 A	2420	36	1	1	N	7:20 - 7:20	80	0	10	0	70	
25 N - Brawley	BRY	BCMC	BST	104	2419	36	1	1	N	7:15 - 7:15	80	0	5	0	75	
25 N - Brawley	BRY	BCMC	BST	105 A	2422	36	0	1	N	NONE	0	0	0	0	0	NO DELIVERY GATE
25 N - Brawley	BRY	BCMC	BST	105	2421	36	1	1	N	7:25 - 7:25	160	0	6	0	154	
25 N - Brawley	BRY	BCMC	BST	106	2423	36	1	1	N	7:30 - 7:30	40	0	3	0	37	
25 N - Brawley	BRY	BCMC	BST	107	2424	36	1	7	Y	7:30 - 7:30	34	17	0	0	17	FEEDLOT, CEMENT COMPANY AND HOMES
25 N - Brawley	BRY	BCMC	BST	108 A	2428	36	1	1	N	7:35 - 7:35	40	0	3	0	37	
25 N - Brawley	BRY	BCMC	BST	108 B	2427	36	1	1	N	7:40 - 7:40	40	0	5	0	35	
25 N - Brawley	BRY	BCMC	BST	108	2425	36	2	1	N	7:35 - 7:35	80	0	5	0	75	
25 N - Brawley	BRY	BCMC	BST	109 B	2429	36	1	1	N	7:40 - 7:40	14	1	3	0	10	
25 N - Brawley	BRY	BCMC	BST	109	2428	36	2	2	Y	7:40 - 7:40	49	3	2	0	44	
25 N - Brawley	BRY	BCMC	BST	110	2430	36	1	3	N	7:45 - 7:45	36	6	2	0	28	
25 N - Brawley	BRY	BCMC	BST	113	2431	36	2	1	Y	7:50 - 7:50	74	5	6	6	57	
25 N - Brawley	BRY	BCMC	BST	114	2432	36	2	1	Y	7:55 - 7:55	81	7	4	12	58	
25 N - Brawley	BRY	BCMC	BST	115	2433	36	1	1	Y	8:00 - 8:00	77	3	4	11	59	
25 N - Brawley	BRY	BCMC	BST	116 A	2435	36	2	4	N	8:05 - 8:05	136	2	4	0	130	
25 N - Brawley	BRY	BCMC	BST	116 B	2436	36	2	1	Y	8:05 - 8:05	80	0	3	7	70	
25 N - Brawley	BRY	BCMC	BST	116	2434	36	1	1	N	8:05 - 8:05	52	0	2	0	50	
25 N - Brawley	BRY	BCMC	BST	117	2437	36	1	1	N	8:10 - 8:10	48	0	2	0	46	
25 N - Brawley	BRY	BCMC	BST	118	2438	36	1	1	N	8:15 - 8:15	46	0	2	0	44	
25 N - Brawley	BRY	BCMC	BST	120	2439	36	1	1	N	8:20 - 8:20	27	19	1	0	7	
25 N - Brawley	BRY	BCMC	CM	15	2476	36	3	1	Y	6:30 - 6:30	356	2	40	0	314	HAS PUMPBACK SYSTEM
25 N - Brawley	BRY	BCMC	CM	16	2477	36	1	1	N	6:30 - 6:30	135	0	15	0	120	HAS PUMPBACK SYSTEM
25 N - Brawley	BRY	BCMC	LA1	2	3971	36	1	1	N	9:00 - 9:00	80	0	7	0	73	LA1 2 & 3 HAVE SAME TENANT - TWO BOXES SERVES BOTH FIELDS

ZANJERO RUN INFORMATION

Division Code	Run	Main Canal System	Gate	Gate ID	Gate Width (Inches)	# of TV Boxes	# of Terraces	Multiple Fields (Y/N)	Multiple Crops (Y/N)	Typical Turnoff / Share	Gross Ac	Home Ac	Drain Ac	Raw Ac	Net Ac	Comments	
25 N - Brawley	BRY	BCMC	LA1	4	3972	38	1	1	N	N	9:00 - 9:00	55	0	7	0	48	
25 N - Brawley	BRY	BCMC	LAV	5A	3974	38	0	1	N	N	NONE	16	18	0	0	0	NO DELIVERY GATE
25 N - Brawley	BRY	BCMC	LAV	5B	3975	36	6	1	Y	Y	9:00 - 9:00	462	2	31	0	429	
25 N - Brawley	BRY	BCMC	LAV	5	3973	36	1	1	N	N	9:00 - 9:00	56	0	7	0	49	
25 N - Brawley	BRY	BCMC	LAV	6	3976	36	3	1	Y	N	9:35 - 9:35	306	0	20	0	286	
25 N - Brawley	BRY	BCMC	LAV	7	3977	36	1	1	N	N	9:40 - 9:40	158	8	20	0	130	LAV 7 & 8 HAVE DIFFERENT USERS BUT SHARE SAME BOX
25 N - Brawley	BRY	BCMC	LAV	8	3978	36	1	1	Y	Y	9:40 - 9:40	137	0	12	0	125	
25 N - Brawley	BRY	BCMC	LAV	9	3979	36	2	2	Y	Y	9:45 - 9:45	304	0	4	0	300	LAV 9 & 10 SHARE 1 BOX
25 N - Brawley	BRY	BCMC	LAV	10A	3981	36	2	1	Y	Y	9:50 - 9:50	156	0	6	0	150	
25 N - Brawley	BRY	BCMC	LAV	10	3980	36	1	1	N	N	9:50 - 9:50	78	0	8	0	70	SHARES BOX WITH LAV 9
25 N - Brawley	BRY	BCMC	LAV	11	3982	36	1	1	N	N	9:50 - 9:50	78	0	8	0	70	
25 N - Brawley	BRY	BCMC	LAV	12	3983	36	2	1	Y	Y	9:50 - 9:50	320	0	32	0	288	
25 N - Brawley	BRY	BCMC	LAV	14	3984	36	2	2	Y	N	9:55 - 9:55	311	11	10	0	280	
25 N - Brawley	BRY	BCMC	LAV	15	3985	36	3	1	Y	Y	10:00 - 10:00	284	0	20	0	264	
25 N - Brawley	BRY	BCMC	LAV	16	3986	36	2	1	N	N	10:05 - 10:05	113	0	16	0	97	
25 N - Brawley	BRY	BCMC	LIL	2	3987	36	2	1	N	N	9:05 - 9:05	80	0	2	0	78	
25 N - Brawley	BRY	BCMC	LIL	4	3988	36	1	3	N	N	9:10 - 9:10	77	8	2	0	67	
25 N - Brawley	BRY	BCMC	LIL	5	3989	36	3	3	Y	N	9:15 - 9:15	636	21	20	0	595	
25 N - Brawley	BRY	BCMC	LIL	7	3990	36	1	2	N	N	9:20 - 9:20	136	0	0	24	112	FEEDLOT
25 N - Brawley	BRY	BCMC	LIL	13	3991	36	0	1	N	N	NONE	0	0	0	0	0	FIELD FALLOW - HAS NO DITCH
25 N - Brawley	BRY	BCMC	LIL	14	3992	36	0	4	N	N	9:30 - 9:30	104	2	0	0	102	CHEMICAL COMPANY AND GRAINERY
25 N - Brawley	BRY	BCMC	MAL	2	4058	36	1	1	N	N	8:30 - 8:30	74	0	3	0	71	
25 N - Brawley	BRY	BCMC	MAL	4	4059	36	2	1	N	N	7:00 - 7:00	85	3	2	39	41	
25 N - Brawley	BRY	BCMC	MAL	5A	4061	36	1	2	Y	Y	7:10 - 7:10	161	1	0	0	160	U.S.D.A.
25 N - Brawley	BRY	BCMC	MAL	5B	4062	36	1	1	N	N	7:20 - 7:20	8	0	2	0	6	
25 N - Brawley	BRY	BCMC	MAL	5	4060	36	1	1	N	N	7:05 - 7:05	50	1	7	0	42	
25 N - Brawley	BRY	BCMC	MAL	6A	4064	18	0	7	Y	Y	7:30 - 7:30	80	6	0	0	74	U.S.D.A. AND HOMES
25 N - Brawley	BRY	BCMC	MAL	6B	4065	36	0	1	Y	Y	7:25 - 7:25	12	0	0	0	12	U.S.D.A.
25 N - Brawley	BRY	BCMC	MAL	6	4063	36	0	2	N	N	7:20 - 7:20	45	0	2	0	43	U.S.D.A.
25 N - Brawley	BRY	BCMC	MAL	7A	4087	36	1	1	N	N	7:35 - 7:35	18	0	1	0	17	
25 N - Brawley	BRY	BCMC	MAL	7	4066	36	0	1	N	N	NONE	6	0	0	0	6	DEAD ORCHARD
25 N - Brawley	BRY	BCMC	MAL	8	4068	36	0	3	N	N	NONE	53	1	3	0	49	HOMES - NO DELIVERY GATE
25 N - Brawley	BRY	BCMC	MAL	9A	4070	36	0	2	N	N	NONE	20	1	1	0	18	HOMES - NO DELIVERY GATE
25 N - Brawley	BRY	BCMC	MAL	9	4069	36	0	1	N	N	NONE	38	1	1	0	36	HOMES - NO DELIVERY GATE
25 N - Brawley	BRY	BCMC	MAL	10	4071	36	2	1	N	N	7:45 - 7:45	145	0	25	20	100	
25 N - Brawley	BRY	BCMC	MAN	21	4073	36	1	1	N	N	NONE	10	2	0	0	8	NO DELIVERY GATE
25 N - Brawley	BRY	BCMC	MAN	22	4074	36	0	2	N	N	NONE	34	1	2	9	22	NO DELIVERY GATE
25 N - Brawley	BRY	BCMC	MAN	24	4075	36	0	1	N	N	NONE	5	0	0	0	5	NO DELIVERY GATE
25 N - Brawley	BRY	BCMC	MAN	26	4077	48	0	1	N	N	6:45 - 6:45	13	0	0	0	13	CITY PONDS
25 N - Brawley	BRY	BCMC	MAN	27	4078	72	0	1	N	N	6:45 - 6:45	65	0	0	0	65	CITY PONDS
25 N - Brawley	BRY	BCMC	MAN	29G	4080	18	2	2	Y	N	6:45 - 6:45	44	11	0	0	33	
25 N - Brawley	BRY	BCMC	MAN	29K	4081	18	0	1	N	N	6:45 - 6:45	0	0	0	0	0	
25 N - Brawley	BRY	BCMC	MAN	29M	4082	18	0	1	N	N	6:45 - 6:45	15	0	0	8	6	
25 N - Brawley	BRY	BCMC	MAN	29	4079	18	1	2	N	N	6:45 - 6:45	30	0	0	0	30	

ZANJERO RUN INFORMATION

Division Code	Run	Canal	Gate	SURF	Site ID	Gate Width (Inches)	# of TM Boxes	# of Tenants	Multiple Fields (Y/N)	Multiple Crops (Y/N)	Typical Turnin / Shut off Time (24 hr run)	Gross Ac	Home Ac	Drain Ac	Raw Ac	Net Ac	Comments
25 N - Brawley	BRY	BCMC	OKY	90	A 4908	36	0	1	N	N	7:30 - 7:30	5	1	0	0	4	
25 N - Brawley	BRY	BCMC	OKY	93	4908	98	0	2	N	N	7:30 - 7:30	11	3	1	0	7	
25 N - Brawley	BRY	BCMC	OKY	95	A 4910	48	2	1	N	N	7:45 - 7:45	0	0	0	0	0	
25 N - Brawley	BRY	BCMC	OKY	96	B 4812	36	1	1	N	N	8:00 - 8:00	26	0	1	0	25	OKY 96 AND 98B USE SAME BOX
25 N - Brawley	BRY	BCMC	OKY	96	4911	36	1	3	N	N	8:00 - 8:00	29	3	1	0	25	
25 N - Brawley	BRY	BCMC	OKY	97	4913	36	1	1	N	N	8:00 - 8:00	40	1	1	0	38	
25 N - Brawley	BRY	BCMC	OKY	98	4914	36	2	1	N	N	8:00 - 8:00	77	0	2	0	75	
25 N - Brawley	BRY	BCMC	OKY	99	A 4915	36	2	1	N	N	8:45 - 8:45	23	0	1	0	22	
25 N - Brawley	BRY	BCMC	OKY	100	4916	99	0	1	N	N	8:45 - 8:45	7	0	0	0	7	SEWER PLANT
25 N - Brawley	BRY	BCMC	STL	66	A 8099	18	0	1	N	N	7:00 - 7:00	26	0	0	0	26	CEMETERY
25 N - Brawley	BRY	BCMC	STL	66	8098	36	3	1	N	N	7:00 - 7:00	95	0	5	21	69	
25 N - Brawley	BRY	BCMC	STL	67	6100	36	0	1	N	N	NONE	179	1	3	25	150	HOMES
25 N - Brawley	BRY	BCMC	STL	72	6102	36	0	1	N	N	NONE	100	0	10	0	90	BEEF PLANT
25 N - Brawley	BRY	BCMC	STL	73	A 6104	36	2	1	N	N	7:20 - 7:20	20	0	2	0	18	
25 N - Brawley	BRY	BCMC	STL	73	6103	36	1	2	N	N	7:20 - 7:20	78	1	3	0	74	SHARES BOX WITH STL 77
25 N - Brawley	BRY	BCMC	STL	74	6105	18	1	2	N	N	7:25 - 7:25	85	0	7	11	87	
25 N - Brawley	BRY	BCMC	STL	75	6106	36	1	1	N	N	7:25 - 7:25	24	0	4	0	20	
25 N - Brawley	BRY	BCMC	STL	76	6107	36	0	2	N	N	7:30 - 7:30	126	7	0	0	119	GOLF COURSE
25 N - Brawley	BRY	BCMC	STL	77	6108	36	1	1	N	N	7:15 - 7:15	36	7	3	0	26	SHARES BOX WITH STL 73
25 N - Brawley	BRY	BCMC	STL	78	6110	36	0	2	N	N	NONE	0	0	0	0	0	CITY PROPERTY
25 N - Brawley	BRY	BCMC	STL	80	A 6111	36	2	1	Y	N	7:30 - 7:30	25	1	0	0	24	
												9,760	225	556	194	8,775	
25 N - Brawley	MES	BEHL	MAP	0	B 4084	36	1	1	N	N	8:00 - 8:00	101	0	21	0	80	
25 N - Brawley	MES	BEHL	MAP	1	4085	36	2	1	N	N	6:30 - 6:30	236	0	14	82	140	
25 N - Brawley	MES	BEHL	MAP	2	4086	36	1	1	N	N	7:00 - 7:00	184	0	17	0	147	
25 N - Brawley	MES	BEHL	MAP	3	4087	36	1	1	N	N	7:15 - 7:15	164	0	14	0	150	
25 N - Brawley	MES	BEHL	MAP	5	4088	36	1	2	N	N	7:30 - 7:30	180	0	10	0	150	
25 N - Brawley	MES	BEHL	MAP	6	4089	36	1	1	N	N	8:30 - 8:30	119	0	9	0	110	
25 N - Brawley	MES	BEHL	MAP	7	4090	36	2	1	N	N	9:00 - 9:00	160	0	10	0	150	
25 N - Brawley	MES	BEHL	MAP	8	4091	36	2	1	N	N	10:00 - 10:00	162	0	14	0	148	
25 N - Brawley	MES	BEHL	MAP	9	4092	36	1	1	N	N	10:00 - 10:00	80	0	5	0	75	
25 N - Brawley	MES	BEHL	MAP	10	4093	36	1	1	N	N	9:30 - 9:30	161	0	14	0	147	
25 N - Brawley	MES	BEHL	MAP	11	4094	36	1	1	N	N	9:30 - 9:30	160	0	10	0	150	
25 N - Brawley	MES	BEHL	MAP	13	4095	36	1	1	N	N	9:00 - 9:00	143	0	5	0	138	
25 N - Brawley	MES	BEHL	MAP	20	4096	36	1	1	N	N	9:10 - 9:10	33	0	5	0	28	
25 N - Brawley	MES	BEHL	MAP	21	4097	36	1	1	N	N	9:30 - 9:30	160	1	11	0	148	
25 N - Brawley	MES	BEHL	MAP	22	4098	36	1	2	N	N	9:30 - 9:30	161	5	11	0	145	
25 N - Brawley	MES	BEHL	MAP	23	4099	36	1	1	N	N	9:30 - 9:30	160	0	12	0	148	
25 N - Brawley	MES	BEHL	MAP	24	4100	36	1	1	N	N	10:00 - 10:00	148	0	8	0	140	
25 N - Brawley	MES	BEHL	MAP	25	4101	36	2	3	N	N	10:00 - 10:00	160	2	10	0	148	
25 N - Brawley	MES	BEHL	MAP	26	4102	36	2	1	N	N	10:30 - 10:30	185	0	10	0	155	
25 N - Brawley	MES	BEHL	MES	2	4202	36	1	1	N	N	6:00 - 6:00	91	0	3	24	64	
25 N - Brawley	MES	BEHL	MES	3	4203	36	2	1	N	N	6:15 - 6:15	153	0	15	0	138	
25 N - Brawley	MES	BEHL	MES	5	4204	36	2	1	N	N	7:00 - 7:00	161	0	11	0	150	

ZANJERO RUN INFORMATION

Division Code	Division	Run	Canal	Gate	Site ID	Gate Width (Inches)	# of Trusses	Multiple Rafts (Y/N)	Multiple Crops (Y/N)	Typical Turn-in / Shut Off Time (24 Hr run)	Gross Ac	Home Ac	Drain Ac	Raw Ac	Net Ac	Comments	
25 N - Brawley	MES	BEHL	MES	6	4205	36	2	1	N	N	8:30 - 8:30	161	0	11	0	150	
25 N - Brawley	MES	BEHL	MES	7	4206	36	2	1	N	N	7:30 - 7:30	172	0	12	0	160	
25 N - Brawley	MES	BEHL	MES	8	4207	36	3	2	Y	Y	7:30 - 7:30	173	0	13	0	160	
25 N - Brawley	MES	BEHL	MES	9	4208	36	1	1	N	N	9:30 - 9:30	160	0	15	0	145	
25 N - Brawley	MES	BEHL	MES	10	4209	36	1	1	N	N	9:30 - 9:30	160	0	12	0	148	
25 N - Brawley	MES	BEHL	MES	11	4210	36	1	1	N	N	9:30 - 9:30	80	3	5	0	72	
25 N - Brawley	MES	BEHL	MES	12	4211	36	1	1	N	N	10:00 - 10:00	157	0	12	0	145	
25 N - Brawley	MES	BEHL	MES	13	4212	36	1	1	N	N	9:30 - 9:30	144	4	8	0	131	
25 N - Brawley	MES	BEHL	MES	14	4213	36	1	1	N	N	9:30 - 9:30	110	0	10	0	100	
25 N - Brawley	MES	BEHL	MES	20	4214	36	1	1	N	N	9:30 - 9:30	142	0	13	0	129	
25 N - Brawley	MES	BEHL	MES	21	4215	36	1	1	N	N	10:00 - 10:00	80	0	10	0	70	
25 N - Brawley	MES	BEHL	MES	22	4216	36	1	1	N	N	10:00 - 10:00	160	0	10	0	150	
25 N - Brawley	MES	BEHL	MES	23	4217	36	1	1	N	N	10:00 - 10:00	158	0	10	0	148	
25 N - Brawley	MES	BEHL	MES	24	4218	36	1	1	N	N	10:00 - 10:00	148	0	10	0	138	
25 N - Brawley	MES	BEHL	MES	25	4219	36	1	1	N	N	10:30 - 10:30	160	0	10	0	150	
25 N - Brawley	MES	BEHL	MES	26	4220	36	2	1	Y	Y	11:00 - 11:00	182	0	27	0	155	
25 N - Brawley	MES	BEHL	MLN	1	4298	36	2	1	N	N	7:30 - 7:30	80	0	8	0	72	
25 N - Brawley	MES	BEHL	MLN	2	4299	36	1	1	N	N	8:00 - 8:00	142	0	10	0	132	
25 N - Brawley	MES	BEHL	MLN	3	4300	36	1	1	N	N	NONE	0	0	0	0	0	GATE BLOCKED - NO WATER HERE
25 N - Brawley	MES	BEHL	MLN	4	4301	36	2	1	N	N	7:00 - 7:00	152	0	9	0	143	
25 N - Brawley	MES	BEHL	MLN	6	4302	36	2	1	N	N	7:00 - 7:00	116	0	3	0	113	
25 N - Brawley	MES	BEHL	MLN	8A	4304	36	1	1	N	N	8:00 - 8:00	37	0	7	0	30	
25 N - Brawley	MES	BEHL	MLN	8	4303	36	2	1	N	N	8:00 - 8:00	153	1	9	0	143	
25 N - Brawley	MES	BEHL	MLN	11	4305	36	2	1	N	N	8:00 - 8:00	40	0	0	0	40	
25 N - Brawley	MES	BEHL	MLN	12	4306	36	2	1	N	N	8:30 - 8:30	161	0	12	0	149	
25 N - Brawley	MES	BEHL	MLN	13	4307	36	1	1	N	N	9:00 - 9:00	80	0	6	0	74	
25 N - Brawley	MES	BEHL	MLN	14	4308	36	1	1	N	N	9:30 - 9:30	81	0	0	0	81	
25 N - Brawley	MES	BEHL	MLN	20	4309	36	1	1	N	N	11:00 - 11:00	158	0	16	0	142	
25 N - Brawley	MES	BEHL	MLN	21	4310	36	1	1	N	N	11:30 - 11:30	160	0	11	0	149	
25 N - Brawley	MES	BEHL	MLN	22	4311	36	1	1	N	N	12:00 - 12:00	160	0	18	0	144	
25 N - Brawley	MES	BEHL	MLN	23	4312	36	1	2	N	N	12:30 - 12:30	149	4	10	0	135	
25 N - Brawley	MES	BEHL	MLN	24A	4314	36	1	1	N	N	NONE	0	0	0	0	0	GATE BLOCKED - NO WATER HERE
25 N - Brawley	MES	BEHL	MLN	24	4313	36	1	1	N	N	12:30 - 12:30	160	0	10	0	150	
25 N - Brawley	MES	BEHL	MLN	25A	4316	36	1	1	N	N	13:00 - 13:00	80	0	5	0	75	
25 N - Brawley	MES	BEHL	MLN	25	4315	36	1	1	N	N	13:00 - 13:00	80	0	10	0	70	
25 N - Brawley	MES	BEHL	MLN	26	4317	36	3	1	N	N	13:30 - 13:30	94	0	14	0	80	
25 N - Brawley	MES	BEHL	MLN	27	4318	36	1	1	N	N	13:30 - 13:30	25	0	3	0	22	
25 N - Brawley	MES	BEHL	MUN	1	4368	36	1	1	N	N	6:00 - 6:00	80	0	7	0	73	
25 N - Brawley	MES	BEHL	MUN	2	4369	36	2	1	N	N	6:00 - 6:00	141	1	13	0	127	
25 N - Brawley	MES	BEHL	MUN	3	4370	36	1	1	N	N	6:00 - 6:00	35	0	0	0	35	
25 N - Brawley	MES	BEHL	MUN	4A	4372	36	0	1	N	N	6:15 - 6:15	40	0	5	0	35	
25 N - Brawley	MES	BEHL	MUN	4	4371	36	1	1	N	N	6:15 - 6:15	116	0	11	0	105	
25 N - Brawley	MES	BEHL	MUN	5	4373	36	1	1	N	N	6:20 - 6:20	40	0	4	0	38	
25 N - Brawley	MES	BEHL	MUN	6	4374	36	2	1	N	N	6:20 - 6:20	60	0	11	0	49	

ZANJERO RUN INFORMATION

Division Code	Run	Main Canal System	Gate	Site ID	Gate Width (Inches)	# of TV Boxes	# of Tunnels	Multiple Fields (Y/N)	Multiple Crops (Y/N)	Typical Turn-in / Shut Off Time (24 hr run)	Gross Ac	Home Ac	Drain Ac	Raw Ac	Net Ac	Comments
25 N - Brawley	MES	BEHL	MUN	9	4375	36	1	1	N	6:45 - 6:45	169	0	14	0	155	
25 N - Brawley	MES	BEHL	MUN	10	4376	36	1	1	N	6:45 - 6:45	123	0	8	0	115	
25 N - Brawley	MES	BEHL	MUN	11	4377	36	1	1	N	7:00 - 7:00	170	0	15	0	155	
25 N - Brawley	MES	BEHL	MUN	12	4378	36	1	1	N	7:00 - 7:00	128	0	13	0	115	
25 N - Brawley	MES	BEHL	MUN	13	4379	36	1	1	N	8:30 - 8:30	160	0	15	0	145	
25 N - Brawley	MES	BEHL	MUN	14	4380	36	1	1	N	9:00 - 9:00	160	0	15	0	145	
25 N - Brawley	MES	BEHL	MUN	15	4381	36	2	1	N	9:30 - 9:30	150	0	4	0	146	
25 N - Brawley	MES	BEHL	MUN	16	4382	36	1	1	N	9:30 - 9:30	198	0	11	0	125	
25 N - Brawley	MES	BEHL	MUN	21	4393	36	1	1	N	10:00 - 10:00	160	0	16	0	144	
25 N - Brawley	MES	BEHL	MUN	22	4394	36	2	1	N	10:30 - 10:30	160	0	16	0	144	
25 N - Brawley	MES	BEHL	MUN	23	4395	36	2	1	N	11:00 - 11:00	144	0	15	0	129	
25 N - Brawley	MES	BEHL	MUN	24	4396	36	1	1	N	11:00 - 11:00	80	0	5	0	75	
25 N - Brawley	MES	BEHL	MUN	25	4397	36	1	1	N	11:00 - 11:00	80	0	5	0	75	
25 N - Brawley	MES	BEHL	MUN	26	4398	36	1	1	N	11:30 - 11:30	80	0	5	0	75	
25 N - Brawley	MES	BEHL	MUN	27	4399	36	1	1	N	12:00 - 12:00	80	0	10	0	70	
25 N - Brawley	MES	BEHL	MUN	28	4390	36	1	1	N	12:00 - 12:00	111	0	11	0	100	
25 N - Brawley	MES	BEHL	MUN	29	4391	36	2	1	N	12:00 - 12:00	199	0	29	0	170	
25 N - Brawley	MES	BEHL	MYA	0A	4392	36	1	1	N	6:00 - 6:00	20	0	0	0	3	17
25 N - Brawley	MES	BEHL	MYR	1A	4394	18	1	3	N	6:00 - 6:00	22	3	3	0	16	
25 N - Brawley	MES	BEHL	MYR	1	4393	36	1	1	N	6:00 - 6:00	80	0	8	0	72	
25 N - Brawley	MES	BEHL	MYR	2	4395	36	1	1	N	6:10 - 6:10	40	0	4	0	36	
25 N - Brawley	MES	BEHL	MYR	3	4396	36	2	1	N	6:15 - 6:15	20	0	5	0	15	
25 N - Brawley	MES	BEHL	MYR	4	4397	36	1	2	N	6:20 - 6:20	41	1	3	0	37	
25 N - Brawley	MES	BEHL	MYR	5	4398	36	2	1	N	6:25 - 6:25	39	0	0	0	39	
25 N - Brawley	MES	BEHL	MYR	7	4399	36	2	1	N	6:30 - 6:30	155	0	10	0	145	
25 N - Brawley	MES	BEHL	MYR	9	4400	36	1	1	N	6:30 - 6:30	80	0	10	0	70	
25 N - Brawley	MES	BEHL	MYR	10	4401	36	2	1	N	6:45 - 6:45	160	0	10	0	150	
25 N - Brawley	MES	BEHL	MYR	11	4402	36	1	1	N	6:45 - 6:45	40	2	3	0	35	
25 N - Brawley	MES	BEHL	MYR	12	4403	36	1	1	N	7:00 - 7:00	0	0	0	0	0	
25 N - Brawley	MES	BEHL	MYR	13	4404	36	1	1	N	7:00 - 7:00	41	0	9	0	32	
25 N - Brawley	MES	BEHL	MYR	14	4405	36	1	1	N	7:00 - 7:00	159	0	9	0	150	
25 N - Brawley	MES	BEHL	MYR	15	4406	36	1	1	N	7:00 - 7:00	160	0	20	0	140	
25 N - Brawley	MES	BEHL	MYR	16	4407	36	1	1	N	7:15 - 7:15	79	0	5	0	74	
25 N - Brawley	MES	BEHL	MYR	17	4408	36	2	2	N	7:15 - 7:15	161	4	14	0	143	
25 N - Brawley	MES	BEHL	MYR	18A	4410	36	1	2	N	7:30 - 7:30	123	0	9	0	114	
25 N - Brawley	MES	BEHL	MYR	18	4409	36	1	1	N	7:30 - 7:30	164	0	9	0	155	
25 N - Brawley	MES	BEHL	MYR	19	4411	36	1	1	N	7:45 - 7:45	152	0	12	0	140	
25 N - Brawley	MES	BEHL	MYR	21	4412	36	1	1	N	8:00 - 8:00	160	0	15	0	145	
25 N - Brawley	MES	BEHL	MYR	22	4413	36	1	1	N	8:00 - 8:00	160	0	15	0	145	
25 N - Brawley	MES	BEHL	MYR	23	4414	36	1	1	N	8:15 - 8:15	145	3	11	0	131	
25 N - Brawley	MES	BEHL	MYR	24	4415	36	1	1	N	8:30 - 8:30	80	0	10	0	70	
25 N - Brawley	MES	BEHL	MYR	25	4416	36	1	1	N	8:30 - 8:30	80	0	7	0	73	
25 N - Brawley	MES	BEHL	MYR	26	4417	36	1	1	N	8:40 - 8:40	80	0	5	0	75	
25 N - Brawley	MES	BEHL	MYR	27	4418	36	1	1	N	8:50 - 8:50	80	0	5	0	75	

ZANJERO RUN INFORMATION

Division Code	Division	Run	Main Canal System	Canal	Gate	Site ID	Gate Wtch (Inches)	# of TM Boxes	# of Trunks	Multiple Fields (Y/N)	Multiple Crops (Y/N)	Typical Turn / Shut Off Time (24 hr run)	Gross Ac	Home Ac	Drain Ac	Reev Ac	Net Ac	Comments	
25	N - Brawley	MES	BEHL	MYR	28	4419	36	3	1	Y	Y	9:00 - 9:00	200	0	45	0	155		
		IMES Total											13,190	34	1,101	109	11,936		
25	N - Brawley	MUL	BEHL	EHL	0	T	15811	2	0	N	N	NONE	0	0	0	0	0	0	TEMPORARY WATER ACCOUNT
25	N - Brawley	MUL	BEHL	MAR	0		4103	36	1	N	N	6:00 - 6:00	67	0	4	0	63		
25	N - Brawley	MUL	BEHL	MAR	1		4104	36	1	N	N	6:10 - 6:10	80	1	8	0	71		
25	N - Brawley	MUL	BEHL	MAR	2		4105	36	2	N	N	6:15 - 6:15	80	0	7	0	73		
25	N - Brawley	MUL	BEHL	MAR	3		4106	36	1	N	N	6:30 - 6:30	79	0	7	0	72		
25	N - Brawley	MUL	BEHL	MAR	4		4107	36	1	N	N	6:30 - 6:30	80	2	8	0	70		
25	N - Brawley	MUL	BEHL	MAR	5		4108	36	1	N	N	6:45 - 6:45	74	0	8	0	66		
25	N - Brawley	MUL	BEHL	MAR	6		4109	36	2	N	N	7:00 - 7:00	80	0	8	0	72		
25	N - Brawley	MUL	BEHL	MAR	7		4110	36	1	N	N	7:15 - 7:15	148	3	15	0	130		
25	N - Brawley	MUL	BEHL	MAR	8		4111	36	1	N	N	7:30 - 7:30	74	0	7	0	67		
25	N - Brawley	MUL	BEHL	MAR	9	A	4113	36	1	N	N	7:45 - 7:45	80	0	4	0	76		
25	N - Brawley	MUL	BEHL	MAR	9		4112	36	1	N	N	7:45 - 7:45	147	3	21	0	123		
25	N - Brawley	MUL	BEHL	MAR	10		4114	36	1	N	N	8:00 - 8:00	147	0	8	0	139		
25	N - Brawley	MUL	BEHL	MAR	11		4115	36	1	N	N	8:15 - 8:15	147	0	20	0	127		
25	N - Brawley	MUL	BEHL	MAR	12		4116	36	1	N	N	8:30 - 8:30	166	3	20	0	143		
25	N - Brawley	MUL	BEHL	MAR	13		4117	36	1	N	N	8:45 - 8:45	193	3	19	0	171		
25	N - Brawley	MUL	BEHL	MAR	15		4118	36	1	N	N	9:00 - 9:00	189	0	19	0	170		
25	N - Brawley	MUL	BEHL	MAR	17		4119	36	1	N	N	9:15 - 9:15	172	3	11	0	158		
25	N - Brawley	MUL	BEHL	MAR	19		4120	36	2	N	N	9:30 - 9:30	77	1	6	0	70		
25	N - Brawley	MUL	BEHL	MAR	20		4121	36	1	N	N	9:30 - 9:30	93	0	12	0	81		
25	N - Brawley	MUL	BEHL	MAR	21	A	4123	36	1	N	N	10:00 - 10:00	93	0	13	0	80		
25	N - Brawley	MUL	BEHL	MAR	21		4122	36	1	N	N	9:50 - 9:50	93	0	12	0	81		
25	N - Brawley	MUL	BEHL	MAR	22	A	4125	36	1	N	N	10:00 - 10:00	95	0	10	0	85		
25	N - Brawley	MUL	BEHL	MAR	22		4124	36	1	N	N	10:00 - 10:00	95	0	9	0	86		
25	N - Brawley	MUL	BEHL	MAR	23		4126	36	1	N	N	10:15 - 10:15	94	4	11	0	79		
25	N - Brawley	MUL	BEHL	MAR	24		4127	36	1	N	N	10:30 - 10:30	94	1	11	0	82		
25	N - Brawley	MUL	BEHL	MAR	25		4128	48	2	Y	Y	10:45 - 10:45	282	0	25	0	257		
25	N - Brawley	MUL	BEHL	MAR	26		4129	36	3	Y	Y	11:00 - 11:00	183	4	0	0	179		
25	N - Brawley	MUL	BEHL	MAY	1		4130	36	1	N	N	6:00 - 6:00	80	0	8	0	72		
25	N - Brawley	MUL	BEHL	MAY	2		4131	36	2	N	Y	6:10 - 6:10	160	3	15	0	142		
25	N - Brawley	MUL	BEHL	MAY	4		4132	36	1	N	N	6:20 - 6:20	41	1	4	0	36		
25	N - Brawley	MUL	BEHL	MAY	5		4133	36	1	N	N	7:00 - 7:00	76	2	7	0	67		
25	N - Brawley	MUL	BEHL	MAY	6		4134	36	1	N	N	7:30 - 7:30	40	0	4	0	36		
25	N - Brawley	MUL	BEHL	MAY	7		4135	36	2	N	N	7:45 - 7:45	159	0	26	0	133		
25	N - Brawley	MUL	BEHL	MAY	8		4136	36	1	N	N	8:00 - 8:00	158	2	18	0	140		
25	N - Brawley	MUL	BEHL	MAY	9		4137	36	1	N	N	8:15 - 8:15	80	1	8	0	71		
25	N - Brawley	MUL	BEHL	MAY	10		4138	36	1	N	N	8:20 - 8:20	160	0	16	0	144		
25	N - Brawley	MUL	BEHL	MAY	11		4139	36	1	N	N	8:30 - 8:30	153	0	15	0	138		
25	N - Brawley	MUL	BEHL	MAY	12	A	4141	36	2	Y	N	8:45 - 8:45	178	0	19	0	159		
25	N - Brawley	MUL	BEHL	MAY	12		4140	36	1	N	N	8:30 - 8:30	160	2	16	0	142		
25	N - Brawley	MUL	BEHL	MAY	13	A	4143	36	1	N	N	8:30 - 8:30	80	0	8	0	72		
25	N - Brawley	MUL	BEHL	MAY	13		4142	36	1	N	N	8:30 - 8:30	80	0	8	0	72		

Location	Discharge	Gata/Ggs	+ or -	Time
Cochella				
Drop 1				
EHL T.O.				
Rositas				
Nectarine				
Vail Drp.2				
Vail Drp.41				
Vail @ NED				
C.M. T.O.				
Dahlia Chk.				
#4 Chk.				
A.C.C. @ C.M. Chk.				
W.S.M. Chk.				
# 8 Chk.				

Heading	Discharge	Gata/Ggs	+ or -	Time
E.H.L. Sidemain				
Hemlock				
Holt				
So. Alamo				
Wistaria				
Walnut				
Wormwood				
Acacia				
Alder				
Redwood				
Rose				
Rubber @ Weir				
Rubber @ Hdg.				
Orange T.O.				
Lat. Z				
Niland Ext.				
Newside T.O.				
Dandelion T.O.				
Lavender Hdg.				
Fern T.O.				
Foxglove T.O.				
Flax T.O.				
Filaree T.O.				
Thistle Hdg.				
Sumac Hdg.				
Trif. Ext.				

IID-244 (R2 1-75) - DAILY WATER ALLOTMENT SHEET - WATER CONTROL SECTION

DATE _____

DIVISIONS	ADVANCE ALLOTMENT	REVISED ALLOTMENT	PER CENT OF CARRY OVER	1-DAY CARRY OVER	SECOND FEET	2-DAY CARRY OVER	SECOND FEET	SECOND DAY BOOKED AND RUNNING
HOLTVILLE								
EL CENTRO								
IMPERIAL								
BRAWLEY								
WESTMORLAND								
CALIPATRIA								
TOTAL								

DISPATCHER _____

SUPERVISOR _____

STATION _____

19 _____

DATE	TEMPERATURE (°F)			HUMIDITY (%)	WIND		EVAPORATION (INCHES)					
	WEATHER BUREAU				ANEMOMETER DIAL READING (MILES)	SINCE LAST OBSER.	GAGE AFTER TANK FILLED	GAGE BEFORE TANK FILLED	GAGE DIFFERENCE	PRECIPITATION	ACTUAL AMOUNT OF EVAPORATION	ACCUMULATIVE EVAPORATION
	MAX.	MIN.	SET MAX.			TOTAL MOVEMENT (MILES)						
PRORATED TO BEGINNING OF MONTH												
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
PRORATED TO END OF MONTH												
SUMS												
MEANS												
TOTAL												

MONTHLY SUMMARY

PRECIPITATION

TOTAL INCHES _____
 GREATEST IN 24 HOURS _____
 DATE _____

EVAPORATION

MONTHLY EVAP.* _____ INCHES
 *MONTHLY = $\frac{\text{SUM X DAYS IN MONTH}}{\text{DAYS OF RECORD}}$

WIND

MEAN HOURLY WIND _____

REMARKS: _____

SENIOR WASH DAILY PLANT INSTRUCTION

ADD METER LOC: USED TO GATHER DATA FOR
ENTRY INTO USBR LOG BOOK. PUMP AND GEN
HOURS. USED IN COMBINE DATA REPORT

SENATOR WASH PLANT PLANT INSPECTION AND METER LOG

DATE - - 2002

P G FW OFF

UNIT # 4

AC AMPS	BELOW IMPELLER
DC AMPS	ABOVE IMPELLER
DC VOLTS	STUFFING BOX #
EXCITER	CASING DISCHARGE
TEMP	STUFFING BOX TEMP
T.B. OIL	G.B. TEMPERATURE
WATER	G.B. OIL TEMPERATURE
G.B. OIL	OIL LEVEL
UNIT hrs	ALARM

UNIT # 1

AC AMPS	BELOW IMPELLER
DC AMPS	ABOVE IMPELLER
DC VOLTS	STUFFING BOX #
EXCITER	CASING DISCHARGE
TEMP	STUFFING BOX TEMP
T.B. OIL	G.B. TEMPERATURE
WATER	G.B. OIL TEMPERATURE
G.B. OIL	OIL LEVEL
UNIT hrs	ALARM

S. W. ELEV.
2400
0800
Squaw lake
Elev.
SUMP PUMP
ELEV.
AIR COMPRESSOR
PSI

UNIT # 5

AC AMPS	BELOW IMPELLER
DC AMPS	ABOVE IMPELLER
DC VOLTS	STUFFING BOX #
EXCITER	CASING DISCHARGE
TEMP	STUFFING BOX TEMP
T.B. OIL	G.B. TEMPERATURE
WATER	G.B. OIL TEMPERATURE
G.B. OIL	OIL LEVEL
UNIT hrs	ALARM

UNIT # 2

AC AMPS	BELOW IMPELLER
DC AMPS	ABOVE IMPELLER
DC VOLTS	STUFFING BOX #
EXCITER	CASING DISCHARGE
TEMP	STUFFING BOX TEMP
T.B. OIL	G.B. TEMPERATURE
WATER	G.B. OIL TEMPERATURE
G.B. OIL	OIL LEVEL
UNIT hrs	ALARM

MOTOR - 204
METER
596 KWH
GEN - 206
METER
594 KWH
STATION SERVICE
SS KWH
RAIN Ga.

UNIT # 6

AC AMPS	BELOW IMPELLER
DC AMPS	ABOVE IMPELLER
DC VOLTS	STUFFING BOX #
EXCITER	CASING DISCHARGE
TEMP	STUFFING BOX TEMP
T.B. OIL	G.B. TEMPERATURE
WATER	G.B. OIL TEMPERATURE
G.B. OIL	OIL LEVEL
UNIT hrs	ALARM

UNIT # 3

AC AMPS	BELOW IMPELLER
DC AMPS	ABOVE IMPELLER
DC VOLTS	STUFFING BOX #
EXCITER	CASING DISCHARGE
TEMP	STUFFING BOX TEMP
T.B. OIL	G.B. TEMPERATURE
WATER	G.B. OIL TEMPERATURE
G.B. OIL	OIL LEVEL
UNIT hrs	ALARM

ACTUATOR
PSI
OIL LEVEL
SUBSTATION
OIL TEMP
OIL LEVEL
PSI +/-
WINDING R
WINDING L

CLEARANCE REPORT: USED TO TAKE UNITS
OR PLANT OUT OF OPERATION FOR REPAIRS.

SENATOR WASH PUMPING - GENERATING PLANT
CLEARANCE, HOT LINE ORDER AND SWITCHING RECORD
PART ONE

PROGRAM NO. 9
SHEET 1 OF 3

REQUESTED BY F.T. FOR: CL HLO _____ SC _____ GS _____ TIME 6³⁰A DATE 2-5-02

STATION AND/OR EQUIPMENT: Senator Wash Pumping - Generating Plant

WORK TO BE DONE & LOCATION Work on motor, Generator only

WORK TO START TIME 0700 DATE 2-5-02 WORK TO END TIME _____ DATE _____

REVISED START TIME _____ DATE _____ WORK TO END TIME _____ DATE _____

IN AN EMERGENCY THE EQUIPMENT CAN BE RETURNED TO SERVICE IN _____ HOURS & _____

AUTHORIZED _____ TIME _____ DATE _____ APPROVED BY: _____ TIME _____ DATE _____

OTHERS NOTIFIED & REMARKS USBR YAO River Ops. Section

<u>CL</u> NO. <u>2-01</u>	ISSUED TO <u>F.T. Fred Jones</u>	BY <u>C. E. Kotaloff</u>	TIME <u>0650</u>	DATE <u>2-5-02</u>
NO. _____	ISSUED TO _____	BY _____	TIME _____	DATE _____
NO. _____	ISSUED TO _____	BY _____	TIME _____	DATE _____

BETWEEN: Locked closed Uint butterfly valve and racked out circuit breakers 204 and 206

<u>CL</u> NO. <u>2002-01</u>	RELEASED BY <u>Fred Jones</u>	TO <u>C. E. Kotaloff</u>	TIME <u>1320</u>	DATE <u>2-05-02</u>
NO. _____	RELEASED BY _____	TO _____	TIME _____	DATE _____
NO. _____	RELEASED BY _____	TO _____	TIME _____	DATE _____

ADDITIONAL CLEARANCES IF ANY RECORDED ON PAGES _____

VISUAL INSPECTION, OK TO RETURN EQUIPMENT TO SERVICE. BY _____ TIME _____ DATE _____

PREPARED BY _____ TIME _____ DATE _____ CHECKED BY: _____ TIME _____ DATE _____

SWITCHING TO REMOVE EQUIPMENT FROM SERVICE: TIME _____ DATE _____ DISP. _____
OPERATORS _____

OK TO PROCEED

SWITCHING TO RETURN EQUIPMENT TO SERVICE: TIME _____ DATE _____ DISP. _____
OPERATORS _____

VISUAL INSPECTION, OK TO RETURN EQUIPMENT TO SERVICE, BY _____ TIME _____ DATE _____

DATE TIME LOCATION DETAILED SWITCHING OPERATION AND EQUIPMENT TAG SWITCHMAN

RETENTION PERIOD: PERMANENT

SENATOR WASH PUMP-GENERATING PLANT
 CLEARANCE, HOT LINE ORDER AND SWITCHING RECORD
 PART TWO

PROGRAM NO. 9
 SHEET 2 OF 3
 CL. NO. 200201
 DATE

REMOVE FROM SERVICE

SEQ NO.	LOCATION	DETAILED SWITCHING OPERATION AND EQUIPMENT	TAG NO.	TIME	BY
1	IMP. DAM	Check S.W. SCADA controls that unit # <u>4</u> is off and CIT	<u>21</u>	<u>6⁵¹</u>	<u>CR</u>
2	IMP. DAM	Transfer SCADA control from Control Room to Pumphouse.			
3	SEN. WASH	Check S.W. SCADA controls that all units are off and CIT.	<u>21</u>	<u>6⁵¹</u>	<u>CR</u>
4	SEN. WASH	Check Breakers # 204 and # 206 OPEN.		<u>6⁵¹</u>	<u>CR</u>
5	SEN. WASH	Rack out breaker # 204 and CIT.		<u>omit</u>	
6	SEN. WASH	Rack out breaker # 206 and CIT.		<u>omit</u>	
7	SEN. WASH	Open(off) vent fan breaker # <u>7</u> for unit # <u>4</u> and danger tag.		<u>6⁵⁴</u>	<u>BE</u>
8	SEN. WASH	Open 4.16-KV Unit # <u>4</u> Isolating switch.		<u>6⁵⁵</u>	<u>CR</u>
9	SEN. WASH	Optional: remove 4.16 KV fuses. Removed <input type="checkbox"/> Not removed <input checked="" type="checkbox"/>			
10	SEN. WASH	Check open 4.16-KV Unit Isolating switch Lock and CIT.	<u>126</u>	<u>6⁵⁵</u>	<u>CR</u>
11	SEN. WASH	Check closed Unit # <u>4</u> butterfly valve.		<u>6⁵⁷</u>	<u>CR</u>
12	SEN. WASH	Install positive mechanical lock on Unit # <u>4</u> butterfly valve and CIT.	<u>116</u>	<u>6⁵⁹</u>	<u>CR</u>
13	SEN. WASH	Close Unit # <u>4</u> butterfly actuator oil supply valve, Lock, & Danger tag		<u>07⁰⁰</u>	<u>CR</u>
14	SEN. WASH	Rack in breaker 204 and remove CIT.		<u>omit</u>	
15	SEN. WASH	Rack in breaker 206 and remove CIT.		<u>omit</u>	
16	IMP. DAM	Transfer SCADA control from Pumphouse to Control Room.			

5-CIT
 2-danger

SENATOR WASH PUMP-GENERATING PLANT
 CLEARANCE, HOT LINE ORDER AND SWITCHING RECORD
 PART THREE

PROGRAM NO. 9
 SHEET 3 OF 3
 CL. NO. 2002-01
 DATE 2-05-02

RETURN TO SERVICE

SEQ NO.	LOCATION	DETAILED SWITCHING OPERATION AND EQUIPMENT	TAG NO.	TIME	BY
1	IMP. DAM	Check S.W. SCADA controls that all units are off and CIT.		1303	AL
2	IMP. DAM	Check Breakers # 204 and # 206 OPEN and CIT.		1303	AL
3	IMP. DAM	Transfer SCADA control from Imperial Dam to Pumphouse.			
4	SEN. WASH	Check S.W. SCADA controls that all unit are off and CIT.	21	1303	AL
5	SEN. WASH	Rack out breaker # 204 and CIT.		omit	
6	SEN. WASH	Rack out breaker # 206 and CIT.		omit	
7	SEN. WASH	Check open(off) vent fan breaker # <u>7</u> for unit # <u>4</u> and danger tag.	✓	1304	AL
8	SEN. WASH	Check unit # <u>4</u> 4.16 KV isolation switch to open position, locked and tagged.	✓	1304	AL
9	SEN. WASH	Check closed Unit # <u>4</u> butterfly valve.	✓	1305	AL
10	SEN. WASH	Remove tag and open unit # <u>4</u> butterfly actuator oil supply valve.	✓	1307	GBB
11	SEN. WASH	Remove tag and remove mechanical lock from unit # <u>4</u> butterfly valve	116 ✓	1308	AL
12	SEN. WASH	Remove tag and close (on) vent fan breaker # <u>7</u> for unit # <u>4</u> .	✓	1310	AL
13	SEN. WASH	Check open Unit # <u>4</u> 4.16 KV Isolation Switch		1311	AL
14	SEN. WASH	Remove lock and tag, Replace 4.16 KV. Fuses if removed.	126	1311	AL
15	SEN. WASH	Close unit # <u>4</u> 4.16 KV. Isolation switch.		1312	AL
16	SEN. WASH	Rack in breaker 204 and remove CIT.		omit	
17	SEN. WASH	Rack in breaker 206 and remove CIT.		omit	
18	SEN. WASH	Reset unit # <u>4</u> alarm relays.	✓		AL
19	SEN. WASH	Remove tag from unit # <u>4</u> SCADA control pannel.	✓		AL
20	IMP. DAM	Check S.W. SCADA controls that unit # <u> </u> is off and remove CIT.	21	1313	AL
21	IMP. DAM	Transfer SCADA control from Pumphouse to Imperial Dam.			

Start up unit in Pump or Gen. Mode to check operation for 5 minutes. If conditions allow, check operations in other mode for 5 minutes.

Scheduled vs Actual STA 1117: Flows

Scheduled By IID and COWR vs Actual Flows

Observed at STA 1117

IMPERIAL IRRIGATION DISTRICT
 TABULATION OF SCHEDULED VS ACTUAL FLOWS
 ALL-AMERICAN CANAL, STATION 1117
 DISCHARGES ARE IN C.F.S.
 JANUARY, 2002

DATE	I.I.D.			C.V.W.D.			TOTAL		
	SCHED.	REC'D	DIFF.	SCHED.	REC'D	DIFF.	SCHED.	REC'D	DIFF.
1	1510	1132	-378	270	268	-2	1780	1400	-380
2	2710	2266	-444	270	244	-26	2980	2510	-470
3	2710	2574	-136	270	246	-24	2980	2820	-160
4	2710	2533	-177	270	247	-23	2980	2780	-200
5	2710	2376	-334	170	164	-6	2880	2540	-340
6	2110	1701	-409	270	289	19	2380	1990	-390
7	2110	1916	-194	320	314	-6	2430	2230	-200
8	2210	2117	-93	320	293	-27	2530	2410	-120
9	2410	2115	-295	320	305	-15	2730	2420	-310
10	2610	2368	-242	320	262	-58	2930	2630	-300
11	2410	2474	64	270	216	-54	2680	2690	10
12	2410	2752	342	170	168	-2	2580	2920	340
13	1910	2143	233	270	257	-13	2180	2400	220
14	2410	2532	122	270	258	-12	2680	2790	110
15	2410	2612	202	270	248	-22	2680	2860	180
16	2810	2678	-132	270	232	-38	3080	2910	-170
17	3110	2994	-116	270	226	-44	3380	3220	-160
18	3110	3010	-100	220	270	50	3330	3280	-50
19	2910	2723	-187	170	277	107	3080	3000	-80
20	2110	2070	-40	270	300	30	2380	2370	-10
21	2710	2542	-168	270	348	78	2980	2890	-90
22	2810	2551	-259	270	289	19	3080	2840	-240
23	3110	2770	-340	270	280	10	3380	3050	-330
24	3110	2760	-350	270	240	-30	3380	3000	-380
25	3110	2792	-318	270	268	-2	3380	3060	-320
26	2910	2316	-594	170	154	-16	3080	2470	-610
27	2210	1718	-492	270	262	-8	2480	1980	-500
28	2710	2444	-266	270	256	-14	2980	2700	-280
29	2810	2550	-260	270	250	-20	3080	2800	-280
30	2910	2721	-189	270	329	59	3180	3050	-130
31	2910	2810	-100	270	410	140	3180	3220	40
TOTAL	80710	75060	-5650	8120	8170	50	88830	83230	-5600
DAILY									
AVG.	2604	2421	-183	262	264	2	2866	2685	-181
ACRE									
FEET	160088	148882	-11206	16106	16205	99	176194	165087	-11107

ORIGINAL:

P.C. FILES

SCHEDULED VS ACTUAL STA. 60

REPORT OF FLOWS SCHEDULED BY USRA AND ACTUAL
FLOWS DELIVERED AT STA 60. FLOW AND DATA

FROM OTHER REPORTS GENERATED AT IMPERIAL DAM

IMPERIAL IRRIGATION DISTRICT
 TABULATION OF SCHEDULED VS ACTUAL FLOWS
 ALL-AMERICAN CANAL STATION 60, I.I.D. AND C.V.W.D. PORTION
 DISCHARGES ARE IN C.F.S.
 JANUARY, 2002

DATE	I.I.D.			C.V.W.D.			TOTAL		
	SCHED.	REC'D	DIFF.	SCHED.	REC'D	DIFF.	SCHED.	REC'D	DIFF.
1	1600	1306	-294	280	309	29	1880	1615	-265
2	2800	2361	-439	280	254	-26	3080	2615	-465
3	2800	2582	-218	280	247	-33	3080	2829	-251
4	2800	2571	-229	280	251	-29	3080	2822	-258
5	2800	2395	-405	180	165	-15	2980	2560	-420
6	2200	1700	-500	280	289	9	2480	1989	-491
7	2200	1993	-207	330	327	-3	2530	2320	-210
8	2300	2230	-70	330	309	-21	2630	2539	-91
9	2500	2189	-311	330	316	-14	2830	2505	-325
10	2700	2336	-364	330	258	-72	3030	2594	-436
11	2500	2441	-59	280	213	-67	2780	2654	-126
12	2500	2770	270	180	169	-11	2680	2939	259
13	2000	2259	259	280	271	-9	2280	2530	250
14	2500	2574	74	280	263	-17	2780	2837	57
15	2500	2674	174	280	254	-26	2780	2928	148
16	2900	2698	-202	280	234	-46	3180	2932	-248
17	3200	3034	-166	280	229	-51	3480	3263	-217
18	3200	3061	-139	230	275	45	3430	3336	-94
19	3000	2793	-207	180	284	104	3180	3077	-103
20	2200	2185	-15	280	317	37	2480	2502	22
21	2800	2640	-160	280	362	82	3080	3002	-78
22	2900	2659	-241	280	301	21	3180	2960	-220
23	3200	2858	-342	280	289	9	3480	3147	-333
24	3200	2881	-319	280	250	-30	3480	3131	-349
25	3200	2911	-289	280	280	0	3480	3191	-289
26	3000	2425	-575	180	161	-19	3180	2586	-594
27	2300	1873	-427	280	285	5	2580	2158	-422
28	2800	2524	-276	280	265	-15	3080	2789	-291
29	2900	2584	-316	280	253	-27	3180	2837	-343
30	3000	2767	-233	280	334	54	3280	3101	-179
31	3000	2787	-213	280	407	127	3280	3194	-86
TOTAL	83500	77061	-6439	8430	8421	-9	91930	85482	-6448
DAILY									
AVG.	2694	2486	-208	272	272	0	2966	2758	-208
ACRE									
FEET	165622	152851	-12771	16721	16703	-18	182343	169554	-12789

ORIGINAL:
 COPIES TO:

WD
 WD-WCO
 WD-AACR
 P.C. FILE

Scheduled vs Actual CSW, Sludge, CWW
Flows Derived from Reports Generated at
Imperial Dam.

IMPERIAL IRRIGATION DISTRICT
 TABULATION OF SCHEDULED VS ACTUAL FLOWS
 CALIFORNIA SLUICEWAY, SLUDGE RETURN, CALIFORNIA WASTEWAY,
 AND PILOT KNOB TO RIVER
 PROVISIONAL FIGURES, C.F.S.
 JANUARY, 2002

DATE	CALIFORNIA SLUICEWAY		SLUDGE RETURN		CALIFORNIA WASTEWAY		PILOT KNOB TO RIVER	
	SCHED.	REC'D	SCHED.	REC'D	SCHED.	REC'D	SCHED.	REC'D
1	0	70	230	230	580	138	0	930
2	0	70	230	230	720	68	0	967
3	0	70	230	230	720	56	0	1020
4	0	213	230	230	900	56	0	1180
5	0	109	230	230	900	95	0	1490
6	0	70	230	230	900	214	0	1950
7	0	70	230	230	970	152	0	1310
8	0	70	230	230	970	106	0	1350
9	0	70	230	230	970	94	0	1920
10	0	70	230	230	970	87	0	2760
11	0	70	230	230	970	86	0	1720
12	0	70	230	230	970	73	0	1250
13	0	70	230	230	970	59	0	1280
14	0	70	230	230	1180	87	0	1390
15	0	70	230	230	1180	100	0	1270
16	0	70	230	230	1180	97	0	1270
17	0	70	230	230	1180	69	0	1270
18	0	70	230	230	1180	73	0	1270
19	0	70	230	230	1180	95	0	1200
20	0	70	230	230	1180	111	0	1200
21	0	70	230	230	1290	118	0	1280
22	0	70	230	230	1290	109	0	1360
23	0	70	230	230	1290	116	0	1360
24	0	70	230	230	1290	83	0	1370
25	0	70	230	230	1290	53	0	1320
26	0	70	230	230	1290	99	0	1370
27	0	70	230	230	1290	98	0	1430
28	0	70	230	230	1390	104	0	1560
29	0	174	230	230	1390	112	0	1630
30	0	70	230	230	1340	89	50	1440
31	0	70	230	230	1340	85	120	1570
TOTAL	0	2456	7130	7130	34260	2982	170	43687
DAILY AVERAGE	0	79	230	230	1105	96	5	1409
ACRE FEET	0	4871	14142	14142	67955	5915	337	86653
		4871		0		-62040		86316
MEXICO ORDERED (USBR 300-143)								132359
MEXICO RECEIVED (IBWC MONTHLY REPORT)								143304
MEXICO RECEIVED OVERAGE OF								10945
MEXICO OVERAGE ACCOUNTED FOR HERE								29147

ORIGINAL: WD-AACR
 COPIES TO: WD
 P.C. FILE

Scheduled VS ACTUAL Flows AT Mexico & Giln Canal

Scheduled Daily Flows for Mexico
AND Giln

IMPERIAL IRRIGATION DISTRICT
 TABULATION OF SCHEDULED VS ACTUAL FLOWS
 MEXICO AND THE GILA DIVERSION
 FIGURES IN C.F.S.
 JANUARY, 2002

DATE	MEX. SCHED.	GILA SCHED	GILA RECEIVED	DIFF.
1	1620	120	305	185
2	1770	1030	1020	-10
3	1770	1020	1070	50
4	1940	1080	831	-249
5	1940	410	476	66
6	1940	250	317	67
7	2000	900	967	67
8	2000	940	903	-37
9	2000	930	875	-55
10	2000	870	886	16
11	2000	900	579	-321
12	2000	470	542	72
13	2000	330	336	6
14	2230	910	973	63
15	2230	1000	975	-25
16	2230	1010	915	-95
17	2230	870	787	-83
18	2230	800	565	-235
19	2230	420	475	55
20	2230	280	308	28
21	2330	900	916	16
22	2330	930	932	2
23	2330	940	898	-42
24	2330	840	937	97
25	2330	760	742	-18
26	2330	380	514	134
27	2330	330	404	74
28	2440	850	963	113
29	2440	870	860	-10
30	2440	860	789	-71
31	2510	870	1100	230
	66730	23070	23160	90

Daily Summary of Water Operations
for 11A. Water ordered by 11A Revisions and CWD
to the original orders and deliveries.

DAILY SUMMARY OF WATER OPERATIONS
JANUARY, 2002

IID

DATE	DAILY MASTER SCHEDULE			MEAN DELIVERY DAILY IID-660	WATER ORDERED BUT NOT TAKEN	WATER TAKEN OVER M. SCHED.	AMOUNT PRO- RATED
	ORIGINAL	REVISION	FINAL				
1	1000	600	1600	1306	-294	0	0
2	2500	300	2800	2361	-439	0	0
3	2800	0	2800	2582	-218	0	0
4	3000	-200	2800	2571	-229	0	0
5	3000	-200	2800	2395	-405	0	0
6	2200	0	2200	1700	-500	0	0
7	2200	0	2200	1993	-207	0	0
8	2300	0	2300	2230	-70	0	0
9	2500	0	2500	2189	-311	0	0
10	2700	0	2700	2336	-364	0	0
11	2800	-300	2500	2441	-59	0	0
12	2800	-300	2500	2770	0	270	0
13	2200	-200	2000	2259	0	259	0
14	2300	200	2500	2574	0	74	0
15	2500	0	2500	2674	0	174	0
16	2500	400	2900	2698	-202	0	0
17	2500	700	3200	3034	-166	0	0
18	2500	700	3200	3061	-139	0	0
19	2500	500	3000	2793	-207	0	0
20	2000	200	2200	2185	-15	0	0
21	2800	0	2800	2640	-160	0	0
22	2900	0	2900	2659	-241	0	0
23	3000	200	3200	2858	-342	0	0
24	3000	200	3200	2881	-319	0	0
25	3000	200	3200	2911	-289	0	0
26	3000	0	3000	2425	-575	0	0
27	2300	0	2300	1873	-427	0	0
28	2800	0	2800	2524	-276	0	0
29	3000	-100	2900	2584	-316	0	0
30	3200	-200	3000	2767	-233	0	0
31	3200	-200	3000	2787	-213	0	0
TOTAL	81000	2500	83500	77061	-7216	777	0
ACRE FT	160663	4959	165622	152850	-14313	1541	0

ORIGINAL TO P.C. FILE
COPY TO U.S.B.R.

DAILY SUMMARY OF WATER OPERATIONS
JANUARY, 2002

CVWD

DATE	DAILY MASTER SCHEDULE			MEAN DELIVERY DAILY IID-660	WATER ORDERED BUT NOT TAKEN	WATER TAKEN OVER M. SCHED.	AMOUNT PRO- RATED
	ORIGINAL	REVISION	FINAL				
1	280	0	280	309	0	29	0
2	280	0	280	254	-26	0	0
3	280	0	280	247	-33	0	0
4	280	0	280	251	-29	0	0
5	180	0	180	165	-15	0	0
6	280	0	280	289	0	9	0
7	330	0	330	327	-3	0	0
8	330	0	330	309	-21	0	0
9	330	0	330	316	-14	0	0
10	330	0	330	258	-72	0	0
11	280	0	280	213	-67	0	0
12	180	0	180	169	-11	0	0
13	280	0	280	271	-9	0	0
14	280	0	280	263	-17	0	0
15	280	0	280	254	-26	0	0
16	280	0	280	234	-46	0	0
17	280	0	280	229	-51	0	0
18	230	0	230	275	0	45	0
19	180	0	180	284	0	104	0
20	280	0	280	317	0	37	0
21	280	0	280	362	0	82	0
22	280	0	280	301	0	21	0
23	280	0	280	289	0	9	0
24	280	0	280	250	-30	0	0
25	280	0	280	280	0	0	0
26	180	0	180	161	-19	0	0
27	280	0	280	285	0	5	0
28	280	0	280	265	-15	0	0
29	280	0	280	253	-27	0	0
30	280	0	280	334	0	54	0
31	280	0	280	407	0	127	0
TOTAL	8430	0	8430	8421	-531	522	0
ACRE FT	16721	0	16721	16703	-1053	1035	0

ORIGINAL TO P.C. FILE
COPY TO U.S.B.R.

SILT SAMPLE FIELD NOTE:

SAMPLES SENT TO IID LAB. TO DETERMINE AMOUNT
OF SILT AT STA. 60 AND PKHP

HydroTech
FIELD NOTES

SILT SAMPLE
STA. 60 & P&HP Forebay
Used to determine
flow. Return to River
SILT Return to River

DATE 3-6-02

SILT SAMPLES

PILOT KNOB HYDRO PLANT FORE							
VERTICAL	DEPTH	NO. OF SECONDS	SIZE NOZZLE	VERTICAL	DEPTH	NO. OF SECONDS	SIZE NOZZLE
30	13.3	15	3/16"	23	18.3	16	1/4"
60	13.3	11		42	19.2	19	
90	12.8	11		61	19.3	18	
120	12.5	12		82	13.9	19	
150	12.2	12					
180	11.8	13					

BOTTLE NUMBERS: 22, 24, 26, 27, 29, 33

STARTING TIME : 11:29 - 11:30
 FINISH TIME : 11:30
 MEAN TIME : 11:27A
 WATER TEMP. : 61°
 AIR TEMP. :
 DISCHARGE : 6270 cfs
 SAMPLED BY : BKW & CER
 W. O. 2211

BOTTLE NUMBERS: RD 11, RD 16, RD 19, RD 20

STARTING TIME : 9:15 AM
 FINISH TIME : 9:31 AM
 MEAN TIME : 9:23
 WATER TEMP. : 62°
 AIR TEMP. :
 DISCHARGE : 800 cfs
 SAMPLED BY : BKW &
 W. O. 2231

" " DISTANCE DISCHARGE FACTOR

USED TO GENERATE "660" FINAL REPORT

DISTANCE-DISCHARGE FACTOR
 FACTORIAL JANUARY, 2002

DATE	R.C.	TITSINK	YAQUI	PONTIAC	SIPHON DROP	YPSILANTI

1	7	0	0	1	382	0
2	58	4	10	2	410	10
3	73	1	10	9	500	14
4	93	3	0	3	523	13
5	65	0	5	10	523	12
6	2	0	2	2	523	4
7	48	0	2	13	474	15
8	44	0	9	1	435	12
9	27	0	1	7	462	8
10	37	0	0	7	517	18
11	51	0	6	1	512	13
12	32	0	16	12	499	2
13	6	0	0	3	425	0
14	46	0	14	9	479	16
15	70	2	21	9	533	16
16	88	2	21	22	601	11
17	73	0	20	4	523	25
18	70	0	11	5	511	19
19	26	0	6	8	477	25
20	15	0	0	1	416	31
21	46	0	3	4	438	34
22	88	0	0	1	485	31
23	76	0	9	0	587	23
24	40	0	0	24	572	23
25	78	0	7	11	536	13
26	59	0	2	11	528	10
27	34	2	2	6	414	16
28	116	0	28	0	488	34
29	108	0	32	6	534	36
30	94	4	4	10	570	25
31	94	0	4	11	619	36
	1764	18	245	213	15496	545

DISTANCE DISCHARGE FACTOR
JANUARY, 2002

JANUARY, 2002

FACTORIAL

DATE	R.C.	TITSINK	YAQUI	PONT	SIPHON DROP	YPSILANT	TOTAL YUMA & TRN	TOTAL ADJ	LOSS	FACTOR
1	2	0	0	1	272	0	1205	2605	400	0.15355
2	16	1	5	1	292	8	1290	3800	159	0.04184
3	21	0	5	6	356	11	1419	4239	13	0.00307
4	26	1	0	2	372	10	1554	4371	65	0.01487
5	18	0	3	6	372	9	1675	4438	35	0.00789
6	1	0	1	1	372	3	1909	4318	-3	-0.00069
7	14	0	1	8	337	12	1670	3912	158	0.04039
8	12	0	5	1	310	9	1633	4097	219	0.05345
9	8	0	1	4	329	6	1888	4688	165	0.0352
10	10	0	0	4	368	14	1851	5786	-79	-0.01365
11	14	0	3	1	364	10	1849	4802	-63	-0.01312
12	9	0	9	8	355	2	1623	4553	29	0.00637
13	2	0	0	2	302	0	1530	3986	216	0.05419
14	13	0	8	6	341	12	1756	4560	76	0.01667
15	20	1	11	6	379	12	1699	4559	109	0.02391
16	25	1	11	14	428	9	1746	4668	35	0.0075
17	21	0	11	3	372	19	1696	4916	65	0.01322
18	20	0	6	3	364	15	1678	4958	84	0.01694
19	7	0	3	5	339	19	1573	4573	118	0.0258
20	4	0	0	1	296	24	1525	3895	217	0.05571
21	13	0	2	3	312	26	1636	4526	175	0.03867
22	25	0	0	1	345	24	1755	4595	195	0.04244
23	22	0	5	0	418	18	1797	4873	155	0.03181
24	11	0	0	15	407	18	1819	4821	211	0.04377
25	22	0	4	7	381	10	1744	4804	205	0.04267
26	17	0	1	7	376	8	1777	4249	200	0.04707
27	10	1	1	4	295	12	1753	3733	336	0.09001
28	33	0	15	0	347	26	1786	4681	154	0.0329
29	31	0	17	4	380	28	1768	4890	64	0.01309
30	27	1	2	6	406	19	1741	4951	83	0.01676
31	27	0	2	7	440	28	1754	5294	-44	-0.00831

JANUARY, 2002

MONTHLY REPORT

L

FACTORIAL

0

DATE	60	STATION 60 IID	CVWD	YUMA	PWR IID	BARD	SD
1	3120	1306	309	1505	0	8	382
2	4130	2361	254	1515	0	84	410
3	4460	2582	247	1631	0	107	500
4	4660	2571	251	1801	38	112	523
5	4680	2395	165	1895	225	92	523
6	4470	1700	289	2063	419	10	523
7	4250	1993	327	1917	12	78	474
8	4480	2230	309	1884	57	66	435
9	5010	2189	316	2111	393	43	462
10	5890	2336	258	2009	1287	62	517
11	4930	2442	213	2016	260	71	512
12	4760	2770	169	1811	10	62	499
13	4330	2259	271	1741	59	9	425
14	4820	2574	262	1969	14	85	479
15	4890	2674	254	1962	0	118	533
16	4960	2698	234	2016	12	144	601
17	5200	3034	229	1937	0	122	523
18	5250	3061	275	1914	0	105	511
19	4860	2793	284	1783	0	65	477
20	4250	2185	317	1748	0	47	416
21	4870	2640	361	1868	0	87	438
22	5000	2659	301	2039	0	120	485
23	5260	2858	289	2086	27	108	587
24	5240	2881	251	2107	2	87	572
25	5230	2911	279	2039	0	109	536
26	4650	2425	161	2062	2	82	528
27	4220	1873	286	2062	0	60	414
28	5080	2524	264	2090	201	178	488
29	5210	2583	253	2047	326	182	534
30	5280	2767	335	2016	163	137	570
31	5510	2787	407	1999	317	145	619
TOT.	148950	77061	8420	59643	3824	2785	15496
AVG.	4805	2486	272	1924	123	90	500
%	100	51.736	5.653	40.042	2.567	1.87	10.403
MAX.	5890	3061	407	2111	1287	182	619
MIN.	3120	1306	161	1505	0	8	382
A.F.	295442	152851	16701	118301	7585	5524	30736
AFDATE	295442	152851	16701	118301	7585	5524	30736

JANUARY, 2002

FACTORIAL

DATE	TRANS.	OTHER	SPILL	PK TO RIVER
			*****	*****
1	930	0	0	930
2	967	0	0	967
3	1020	0	0	1020
4	1143	37	0	1180
5	1267	223	0	1490
6	1531	419	0	1950
7	1298	12	0	1310
8	1296	54	0	1350
9	1540	380	0	1920
10	1455	1305	0	2760
11	1457	263	0	1720
12	1240	10	0	1250
13	1224	56	0	1280
14	1376	14	0	1390
15	1270	0	0	1270
16	1258	12	0	1270
17	1270	0	0	1270
18	1270	0	0	1270
19	1200	0	0	1200
20	1200	0	0	1200
21	1280	0	0	1280
22	1360	0	0	1360
23	1334	26	0	1360
24	1368	2	0	1370
25	1320	0	0	1320
26	1368	2	0	1370
27	1430	0	0	1430
28	1365	195	0	1560
29	1308	322	0	1630
30	1280	160	0	1440
31	1250	320	0	1570
TOT.	39875	3812	0	43687
AVG.	1286	123	0	1409
%	26.771	2.559	0.000	29.330
MAX.	1540	1305	0	2760
MIN.	930	0	0	930
A.F.	79092	7561	0	86653
AFDATE	79092	7561	0	86653

JANUARY, 2002

FACTORIAL

DATE	LOSS (COL.12)	LOSS IID	LOSS CVWD	LOSS YUMA	LOSS IID PWR
1	400	174	41	185	0
2	159	95	10	54	0
3	13	8	1	4	0
4	65	38	4	23	1
5	35	19	1	13	2
6	(3)	(1)	0	(1)	0
7	158	77	13	67	0
8	219	113	16	87	3
9	165	74	11	66	13
10	(79)	(32)	(4)	(25)	(18)
11	(63)	(32)	(3)	(24)	(3)
12	29	18	1	10	0
13	216	116	14	83	3
14	76	42	4	29	0
15	109	62	6	41	0
16	35	20	2	13	0
17	65	40	3	22	0
18	84	51	5	28	0
19	118	70	7	41	0
20	217	115	17	85	0
21	175	98	13	63	0
22	195	108	12	74	0
23	155	88	9	57	1
24	211	121	11	80	0
25	205	119	11	74	0
26	200	109	7	84	0
27	336	155	24	158	0
28	154	80	8	59	6
29	64	33	3	23	4
30	83	46	6	29	3
31	(44)	(23)	(3)	(15)	(3)
TOT.	3,752	2,001	250	1,487	12
AVG.	121	65	8	48	0
%	2.519	1.343	0.168	0.998	0.008
MAX.	400	174	41	185	13
MIN.	(79)	(32)	(4)	(25)	(18)
A.F.	7442	3969	496	2949	24
AFDATE	7442	3969	496	2949	24

JANUARY, 2002

FACTORIAL

DATE	1117 *****	IID *****	CVWD *****	PK SPILL TRANS.	OTHER	SPILL % OTHER	P.K.H.P. % OTHER *****
1	1400	1132	268	0	0	0.000	0.000
2	2510	2266	244	0	0	0.000	0.000
3	2820	2574	246	0	0	0.000	0.000
4	2780	2533	247	0	0	0.000	3.169
5	2540	2376	164	0	0	0.000	14.958
6	1990	1701	289	0	0	0.000	21.481
7	2230	1916	314	0	0	0.000	0.893
8	2410	2117	293	0	0	0.000	3.967
9	2420	2115	305	0	0	0.000	19.795
10	2630	2368	262	0	0	0.000	47.288
11	2690	2474	216	0	0	0.000	15.269
12	2920	2752	168	0	0	0.000	0.824
13	2400	2143	257	0	0	0.000	4.351
14	2790	2532	258	0	0	0.000	1.014
15	2860	2612	248	0	0	0.000	0.000
16	2910	2678	232	0	0	0.000	0.950
17	3220	2994	226	0	0	0.000	0.000
18	3280	3010	270	0	0	0.000	0.000
19	3000	2723	277	0	0	0.000	0.000
20	2370	2070	300	0	0	0.000	0.000
21	2890	2542	348	0	0	0.000	0.000
22	2840	2551	289	0	0	0.000	0.000
23	3050	2770	280	0	0	0.000	1.929
24	3000	2760	240	0	0	0.000	0.139
25	3060	2792	268	0	0	0.000	0.029
26	2470	2316	154	0	0	0.000	0.123
27	1980	1718	262	0	0	0.000	0.000
28	2700	2444	256	0	0	0.000	12.490
29	2800	2550	250	0	0	0.000	19.745
30	3050	2721	329	0	0	0.000	11.133
31	3220	2810	410	0	0	0.000	20.371
TOT.	83230	75060	8170	0	0		
AVG.	2,685	2,421	264	0	0		
%	55.878	50.393	5.485	0.000	0.000		
MAX.	3280	3010	410	0	0		
MIN.	1400	1132	154	0	0		
A.F.	165087	148882	16205	0	0		
AFDATE	165087	148882	16205	0	0		

JANUARY, 2002

DATE	IID	LOSS		IID PWR	TEST
		CVWD	BARD		
1	173.8186	41.1514	185.0278	0.0000	OK
2	94.8094	10.2090	53.9736	0.0000	OK
3	7.9022	0.7552	4.3563	0.0000	OK
4	37.6657	3.6729	23.1080	0.5502	XXXXX
5	18.7466	1.2940	13.2158	1.7595	OK
6	(1.1737)	(0.1994)	(1.3172)	(0.2891)	XXXXX
7	77.3872	12.6825	67.4513	0.4847	XXXXX
8	113.1537	15.6609	87.2839	2.8863	OK
9	74.4480	10.7360	66.4576	13.3760	XXXXX
10	(32.3232)	(3.5763)	(25.2662)	(17.8133)	OK
11	(32.4589)	(2.8339)	(24.2589)	(3.4506)	XXXXX
12	17.5302	1.0702	10.3385	0.0637	OK
13	116.1292	13.9268	82.9107	3.0346	OK
14	42.2084	4.3009	29.2725	0.2334	XXXXX
15	62.4529	5.9297	40.6231	0.0000	OK
16	20.0850	1.7400	13.0950	0.0900	OK
17	39.5807	2.9877	22.4211	0.0000	OK
18	50.9894	4.5738	28.4253	0.0000	OK
19	70.2534	7.1466	40.5834	0.0000	OK
20	115.3197	16.7130	84.9578	0.0000	OK
21	98.2991	13.4572	63.2641	0.0000	XXXXX
22	108.2644	12.2652	74.4822	0.0000	XXXXX
23	88.1137	8.9068	57.1626	0.8271	OK
24	120.8052	10.5048	79.6176	0.0875	XXXXX
25	119.1346	11.4356	74.4165	0.0000	XXXXX
26	109.0141	7.2488	83.6434	0.0941	OK
27	154.6372	23.5826	157.7875	0.0000	XXXXX
28	80.4076	8.4224	58.7594	6.4155	XXXXX
29	33.3795	3.2725	23.1431	4.2150	XXXXX
30	45.6040	5.5140	29.1792	2.6816	XXXXX
31	(23.3511)	(3.4071)	(14.5757)	(2.6592)	OK

DISTANCE DISCHARGE FACTOR
USED TO GENERATE "660" FINAL
REPORT.

DISTANCE-DISCHARGE FACTOR

JANUARY, 2002

Adjusted

DATE	R.C.	TITSINK	YAQUI	PONTIAC	SIPHON DROP	YPSILANTI

1	7	0	0	1	382	0
2	58	4	10	2	410	10
3	73	1	10	9	500	14
4	93	3	0	3	523	13
5	65	0	5	10	523	12
6	2	0	2	2	523	4
7	48	0	2	13	474	15
8	44	0	9	1	435	12
9	27	0	1	7	462	8
10	37	0	0	7	517	18
11	51	0	6	1	512	13
12	32	0	16	12	499	2
13	6	0	0	3	425	0
14	46	0	14	9	479	16
15	70	2	21	9	533	16
16	88	2	21	22	601	11
17	73	0	20	4	523	25
18	70	0	11	5	511	19
19	26	0	6	8	477	25
20	15	0	0	1	416	31
21	46	0	3	4	438	34
22	88	0	0	1	485	31
23	76	0	9	0	587	23
24	40	0	0	24	572	23
25	78	0	7	11	536	13
26	59	0	2	11	528	10
27	34	2	2	6	414	16
28	116	0	28	0	488	34
29	108	0	32	6	534	36
30	94	4	4	10	570	25
31	94	0	4	11	619	36
	1764	18	245	213	15496	545

DISTANCE DISCHARGE FACTOR
ADJUSTED

JANUARY, 2002

DATE	R.C.	TITSINK	YAQUI	PONT	SIPHON		TOTAL YUMA & TRN	TOTAL ADJ	LOSS	FACTOR
					DROP	YPSILAN1				
1	2	0	0	1	272	0	1205	2605	400	0.15355
2	16	1	5	1	292	8	1290	3800	159	0.04184
3	21	0	5	6	356	11	1419	4239	13	0.00307
4	26	1	0	2	372	10	1554	4371	65	0.01487
5	18	0	3	6	372	9	1675	4438	35	0.00789
6	1	0	1	1	372	3	1909	4318	-3	-0.00069
7	14	0	1	8	337	12	1670	3912	158	0.04039
8	12	0	5	1	310	9	1633	4097	219	0.05345
9	8	0	1	4	329	6	1888	4688	165	0.0352
10	10	0	0	4	368	14	1851	5786	-79	-0.01365
11	14	0	3	1	364	10	1849	4802	-63	-0.01312
12	9	0	9	8	355	2	1623	4553	29	0.00637
13	2	0	0	2	302	0	1530	3986	216	0.05419
14	13	0	8	6	341	12	1756	4560	76	0.01667
15	20	1	11	6	379	12	1699	4559	109	0.02391
16	25	1	11	14	428	9	1746	4668	35	0.0075
17	21	0	11	3	372	19	1696	4916	65	0.01322
18	20	0	6	3	364	15	1678	4958	84	0.01694
19	7	0	3	5	339	19	1573	4573	118	0.0258
20	4	0	0	1	296	24	1525	3895	217	0.05571
21	13	0	2	3	312	26	1636	4526	175	0.03867
22	25	0	0	1	345	24	1755	4595	195	0.04244
23	22	0	5	0	418	18	1797	4873	155	0.03181
24	11	0	0	15	407	18	1819	4821	211	0.04377
25	22	0	4	7	381	10	1744	4804	205	0.04267
26	17	0	1	7	376	8	1777	4249	200	0.04707
27	10	1	1	4	295	12	1753	3733	336	0.09001
28	33	0	15	0	347	26	1786	4681	154	0.0329
29	31	0	17	4	380	28	1768	4890	64	0.01309
30	27	1	2	6	406	19	1741	4951	83	0.01676
31	27	0	2	7	440	28	1754	5294	-44	-0.00831

MONTHLY REPORT
JANUARY, 2002

Adjusted		STATION 60					
DATE	60	IID	CVWD	YUMA	PWR IID	BARD	SD
1	3120	1306	309	1505	0	8	382
2	4130	2361	254	1515	0	84	410
3	4460	2582	247	1631	0	107	500
4	4660	2571	251	1801	37	112	523
5	4680	2395	165	1895	225	92	523
6	4470	1700	289	2062	419	10	523
7	4250	1993	327	1917	13	78	474
8	4480	2230	309	1884	57	66	435
9	5010	2189	316	2112	393	43	462
10	5890	2336	258	2009	1287	62	517
11	4930	2441	213	2016	260	71	512
12	4760	2770	169	1811	10	62	499
13	4330	2259	271	1741	59	9	425
14	4820	2574	263	1969	14	85	479
15	4890	2674	254	1962	0	118	533
16	4960	2698	234	2016	12	144	601
17	5200	3034	229	1937	0	122	523
18	5250	3061	275	1914	0	105	511
19	4860	2793	284	1783	0	65	477
20	4250	2185	317	1748	0	47	416
21	4870	2640	362	1868	0	87	438
22	5000	2659	301	2040	0	120	485
23	5260	2858	289	2086	27	108	587
24	5240	2881	250	2107	2	87	572
25	5230	2911	280	2039	0	109	536
26	4650	2425	161	2062	2	82	528
27	4220	1873	285	2062	0	60	414
28	5080	2524	265	2090	201	178	488
29	5210	2584	253	2047	326	182	534
30	5280	2767	334	2016	163	137	570
31	5510	2787	407	1999	317	145	619
TOT.	148950	77061	8421	59644	3824	2785	15496
AVG.	4805	2486	272	1924	123	90	500
%	100	51.736	5.654	40.043	2.567	1.87	10.403
MAX.	5890	3061	407	2112	1287	182	619
MIN.	3120	1306	161	1505	0	8	382
A.F.	295442	152851	16703	118303	7585	5524	30736
AFDATE	295442	152851	16703	118303	7585	5524	30736

JANUARY, 2 Adjusted

	DATE	TRANS.	OTHER	SPILL	PK TO RIVER
	1	930	0	0	930
	2	967	0	0	967
	3	1020	0	0	1020
	4	1143	37	0	1180
	5	1267	223	0	1490
	6	1531	419	0	1950
	7	1298	12	0	1310
	8	1296	54	0	1350
	9	1540	380	0	1920
	10	1455	1305	0	2760
	11	1457	263	0	1720
	12	1240	10	0	1250
	13	1224	56	0	1280
	14	1376	14	0	1390
	15	1270	0	0	1270
	16	1258	12	0	1270
	17	1270	0	0	1270
	18	1270	0	0	1270
	19	1200	0	0	1200
	20	1200	0	0	1200
	21	1280	0	0	1280
	22	1360	0	0	1360
	23	1334	26	0	1360
	24	1368	2	0	1370
	25	1320	0	0	1320
	26	1368	2	0	1370
	27	1430	0	0	1430
	28	1365	195	0	1560
	29	1308	322	0	1630
	30	1280	160	0	1440
	31	1250	320	0	1570
TOT.		39875	3812	0	43687
AVG.		1286	123	0	1409
%		26.771	2.559	0.000	29.330
MAX.		1540	1305	0	2760
MIN.		930	0	0	930
A.F.		79092	7561	0	86653
AFDATE		79092	7561	0	86653

JANUARY Adjusted

DATE	LOSS (COL.12)	LOSS IID	LOSS CVWD	LOSS YUMA	LOSS IID PWR
1	400	174	41	185	0
2	159	95	10	54	0
3	13	8	1	4	0
4	65	38	4	23	0
5	35	19	1	13	2
6	(3)	(1)	0	(2)	0
7	158	77	13	67	1
8	219	113	16	87	3
9	165	74	11	67	13
10	(79)	(32)	(4)	(25)	(18)
11	(63)	(33)	(3)	(24)	(3)
12	29	18	1	10	0
13	216	116	14	83	3
14	76	42	5	29	0
15	109	62	6	41	0
16	35	20	2	13	0
17	65	40	3	22	0
18	84	51	5	28	0
19	118	70	7	41	0
20	217	115	17	85	0
21	175	98	14	63	0
22	195	108	12	75	0
23	155	88	9	57	1
24	211	121	10	80	0
25	205	119	12	74	0
26	200	109	7	84	0
27	336	155	23	158	0
28	154	80	9	59	6
29	64	34	3	23	4
30	83	46	5	29	3
31	(44)	(23)	(3)	(15)	(3)
TOT.	3,752	2,001	251	1,488	12
AVG.	121	65	8	48	0
%	2.519	1.343	0.169	0.999	0.008
MAX.	400	174	41	185	13
MIN.	(79)	(33)	(4)	(25)	(18)
A.F.	7442	3969	498	2951	24
AFDATE	7442	3969	498	2951	24

Adjusted

JANUARY, 2002

DATE	1117	IID	CVWD	PK SPILL TRANS.	OTHER	SPILL % OTHER	P.K.H.P. % OTHER
*****	*****	*****	*****			*****	*****
1	1400	1132	268	0	0	0.000	0.000
2	2510	2266	244	0	0	0.000	0.000
3	2820	2574	246	0	0	0.000	0.000
4	2780	2533	247	0	0	0.000	3.169
5	2540	2376	164	0	0	0.000	14.958
6	1990	1701	289	0	0	0.000	21.481
7	2230	1916	314	0	0	0.000	0.893
8	2410	2117	293	0	0	0.000	3.967
9	2420	2115	305	0	0	0.000	19.795
10	2630	2368	262	0	0	0.000	47.288
11	2690	2474	216	0	0	0.000	15.269
12	2920	2752	168	0	0	0.000	0.824
13	2400	2143	257	0	0	0.000	4.351
14	2790	2532	258	0	0	0.000	1.014
15	2860	2612	248	0	0	0.000	0.000
16	2910	2678	232	0	0	0.000	0.950
17	3220	2994	226	0	0	0.000	0.000
18	3280	3010	270	0	0	0.000	0.000
19	3000	2723	277	0	0	0.000	0.000
20	2370	2070	300	0	0	0.000	0.000
21	2890	2542	348	0	0	0.000	0.000
22	2840	2551	289	0	0	0.000	0.000
23	3050	2770	280	0	0	0.000	1.929
24	3000	2760	240	0	0	0.000	0.139
25	3060	2792	268	0	0	0.000	0.029
26	2470	2316	154	0	0	0.000	0.123
27	1980	1718	262	0	0	0.000	0.000
28	2700	2444	256	0	0	0.000	12.490
29	2800	2550	250	0	0	0.000	19.745
30	3050	2721	329	0	0	0.000	11.133
31	3220	2810	410	0	0	0.000	20.371
TOT.	83230	75060	8170	0	0		
AVG.	2,685	2,421	264	0	0		
%	55.878	50.393	5.485	0.000	0.000		
MAX.	3280	3010	410	0	0		
MIN.	1400	1132	154	0	0		
A.F.	165087	148882	16205	0	0		
AFDATE	165087	148882	16205	0	0		

Adjusted

JANUARY, 2002

DATE	IID	LOSS			TEST
		CVWD	BARD	IID PWR	
1	173.8186	41.1514	185.0278	0.0000	OK
2	94.8094	10.2090	53.9736	0.0000	OK
3	7.9022	0.7552	4.3563	0.0000	OK
4	37.6657	3.6729	23.1080	0.5502	OK
5	18.7466	1.2940	13.2158	1.7595	OK
6	(1.1737)	(0.1994)	(1.3172)	(0.2891)	OK
7	77.3872	12.6825	67.4513	0.4847	OK
8	113.1537	15.6609	87.2839	2.8863	OK
9	74.4480	10.7360	66.4576	13.3760	OK
10	(32.3232)	(3.5763)	(25.2662)	(17.8133)	OK
11	(32.4589)	(2.8339)	(24.2589)	(3.4506)	OK
12	17.5302	1.0702	10.3385	0.0637	OK
13	116.1292	13.9268	82.9107	3.0346	OK
14	42.2084	4.3009	29.2725	0.2334	OK
15	62.4529	5.9297	40.6231	0.0000	OK
16	20.0850	1.7400	13.0950	0.0900	OK
17	39.5807	2.9877	22.4211	0.0000	OK
18	50.9894	4.5738	28.4253	0.0000	OK
19	70.2534	7.1466	40.5834	0.0000	OK
20	115.3197	16.7130	84.9578	0.0000	OK
21	98.2991	13.4572	63.2641	0.0000	OK
22	108.2644	12.2652	74.4822	0.0000	OK
23	88.1137	8.9068	57.1626	0.8271	OK
24	120.8052	10.5048	79.6176	0.0875	OK
25	119.1346	11.4356	74.4165	0.0000	OK
26	109.0141	7.2488	83.6434	0.0941	OK
27	154.6372	23.5826	157.7875	0.0000	OK
28	80.4076	8.4224	58.7594	6.4155	OK
29	33.3795	3.2725	23.1431	4.2150	OK
30	45.6040	5.5140	29.1792	2.6816	OK
31	(23.3511)	(3.4071)	(14.5757)	(2.6592)	OK

HD "660" REPORT
FINAL REPORT ON DAILY DISTRIBUTION OF
AAC.

HD-660 (R8 11-84)
 * Furnished by USGS

IMPERIAL IRRIGATION DISTRICT
 ALL-AMERICAN CANAL SECTION
 All-American Canal Daily Distribution
 (Discharges in c.f.s. Except as Noted)

Provisional Record
 Sheet 1 of 2
 For Month of JANUARY, 2002

DISCHARGE STATION 60

DIVERSIONS PILOT KNOB

DATE	DISCHARGE STATION 60				DIVERSIONS				DIVERSIONS PILOT KNOB		TOTAL TO RIVER
	TOTAL	IID	CVWD	YUMA	PILOT KNOB	SIPHON	DROP &	YCWUA	IID	SPILLWAY	
	1	2	3	4	IID POWER	DIVERSIONS	WALAPAI	TRANSFER	POWER	10	
1	3120	1306	309	1505	0	8	382	930	0	0	930
2	4130	2361	254	1515	0	84	410	967	0	0	967
3	4460	2582	247	1631	0	107	500	1020	0	0	1020
4	4660	2571	251	1801	37	112	523	1143	37	0	1180
5	4680	2395	165	1895	225	92	523	1267	223	0	1490
6	4470	1700	289	2062	419	10	523	1531	419	0	1950
7	4250	1993	327	1917	13	78	474	1298	12	0	1310
8	4480	2230	309	1884	57	66	435	1296	54	0	1350
9	5010	2189	316	2112	393	43	462	1540	380	0	1920
10	5890	2336	258	2009	1287	62	517	1455	1305	0	2760
11	4930	2441	213	2016	260	71	512	1457	263	0	1720
12	4760	2770	169	1811	10	62	499	1240	10	0	1250
13	4330	2259	271	1741	59	9	425	1224	56	0	1280
14	4820	2574	263	1969	14	85	479	1376	14	0	1390
15	4890	2674	254	1962	0	118	533	1270	0	0	1270
16	4960	2698	234	2016	12	144	601	1258	12	0	1270
17	5200	3034	229	1937	0	122	523	1270	0	0	1270
18	5250	3061	275	1914	0	105	511	1270	0	0	1270
19	4860	2793	284	1783	0	65	477	1200	0	0	1200
20	4250	2185	317	1748	0	47	416	1200	0	0	1200
21	4870	2640	362	1868	0	87	438	1280	0	0	1280
22	5000	2659	301	2040	0	120	485	1360	0	0	1360
23	5260	2858	289	2086	27	108	587	1334	26	0	1360
24	5240	2881	250	2107	2	87	572	1368	2	0	1370
25	5230	2911	280	2039	0	109	536	1320	0	0	1320
26	4650	2425	161	2062	2	82	528	1368	2	0	1370
27	4220	1873	285	2062	0	60	414	1430	0	0	1430
28	5080	2524	265	2090	201	178	488	1365	195	0	1560
29	5210	2584	253	2047	326	182	534	1308	322	0	1630
30	5280	2767	334	2016	163	137	570	1280	160	0	1440
31	5510	2787	407	1999	317	145	619	1250	320	0	1570
Total	148950	77061	8421	59644	3824	2785	15496	39875	3812	0	43687
Daily Avg.	4805	2486	272	1924	123	90	500	1286	123	0	1409
Per Cent	100	51.736	5.654	40.043	2.567	1.870	10.403	26.771	2.559	0.000	29.330
Maximum	5890	3061	407	2112	1287	182	619	1540	1305	0	2760
Minimum	3120	1306	161	1505	0	8	382	930	0	0	930
Acre Feet	295442	152851	16703	118303	7585	5524	30736	79092	7561	0	86653
AF to Date	295442	152851	16703	118303	7585	5524	30736	79092	7561	0	86653

IID-660 (R8 11-84)
 * Furnished by USGS

IMPERIAL IRRIGATION DISTRICT
 ALL-AMERICAN CANAL SECTION
 All-American Canal Daily Distribution
 (Discharges in c.f.s. Except as Noted)

Provisional Record
 Sheet 2 of 2
 For Month of JANUARY, 2002

LOSS STATION 60 TO STATION 1117

DISCHARGE STATION 1117
 (BELOW PILOT KNOB CHECK)

PILOT KNOB SPILLWAY

DATE	PILOT KNOB					PILOT KNOB SPILLWAY				
	TOTAL 12	IID 13	CVWD 14	YUMA 15	IID POWER 16	TOTAL 17	IID 18	CVWD 19	TRANSFER	OTHER
1	400	174	41	185	0	1400	1132	268	0	0
2	159	95	10	54	0	2510	2266	244	0	0
3	13	8	1	4	0	2820	2574	246	0	0
4	65	38	4	23	0	2780	2533	247	0	0
5	35	19	1	13	2	2540	2376	164	0	0
6	(3)	(1)	0	(2)	0	1990	1701	289	0	0
7	158	77	13	67	1	2230	1916	314	0	0
8	219	113	16	87	3	2410	2117	293	0	0
9	165	74	11	67	13	2420	2115	305	0	0
10	(79)	(32)	(4)	(25)	(18)	2630	2368	262	0	0
11	(63)	(33)	(3)	(24)	(3)	2690	2474	216	0	0
12	29	18	1	10	0	2920	2752	168	0	0
13	216	116	14	83	3	2400	2143	257	0	0
14	76	42	5	29	0	2790	2532	258	0	0
15	109	62	6	41	0	2860	2612	248	0	0
16	35	20	2	13	0	2910	2678	232	0	0
17	65	40	3	22	0	3220	2994	226	0	0
18	84	51	5	28	0	3280	3010	270	0	0
19	118	70	7	41	0	3000	2723	277	0	0
20	217	115	17	85	0	2370	2070	300	0	0
21	175	98	14	63	0	2890	2542	348	0	0
22	195	108	12	75	0	2840	2551	289	0	0
23	155	88	9	57	1	3050	2770	280	0	0
24	211	121	10	80	0	3000	2760	240	0	0
25	205	119	12	74	0	3060	2792	268	0	0
26	200	109	7	84	0	2470	2316	154	0	0
27	336	155	23	158	0	1980	1718	262	0	0
28	154	80	9	59	6	2700	2444	256	0	0
29	64	34	3	23	4	2800	2550	250	0	0
30	83	46	5	29	3	3050	2721	329	0	0
31	(44)	(23)	(3)	(15)	(3)	3220	2810	410	0	0
Total	3752	2001	251	1488	12	83230	75060	8170	0	0
Daily Avg.	121	65	8	48	0	2685	2421	264	0	0
Per Cent	2.519	1.343	0.169	0.999	0.008	55.878	50.393	5.485	0.000	0.000
Maximum	400	174	41	185	13	3280	3010	410	0	0
Minimum	(79)	(33)	(4)	(25)	(18)	1400	1132	154	0	0
Acre Feet	7442	3969	498	2951	24	165087	148882	16205	0	0
AF to Date	7442	3969	498	2951	24	165087	148882	16205	0	0

STA. 1117

DAILY DISCHARGE AT STA. 1117.
DISCHARGES CALCULATED USING HEAD
RATING.

IMPERIAL IRRIGATION DISTRICT
ALL-AMERICAN CANAL

DAILY DISCHARGE AT STATION 1117
JANUARY, 2002

DATE	DAILY MEAN GROUP G. O.	DAILY MEAN P. K. POND	DAILY MEAN STA. 1117	DAILY MEAN HEAD	SQ. RT. HEAD	GATE RATING TABLE	RATING TABLE DIS- CHARGE	DAILY ADJUST.	DAILY MEAN DIS- CHARGE
1	5.46	167.30	162.04	5.26	2.293	610.2	1399	1.004	1,400
2	9.43	167.31	162.15	5.16	2.272	1102.0	2504	1.004	2,510
3	10.18	167.30	161.74	5.56	2.358	1192.0	2811	1.004	2,820
4	9.77	167.28	161.44	5.84	2.417	1144.3	2766	1.004	2,780
5	8.75	167.31	161.16	6.15	2.480	1020.7	2531	1.004	2,540
6	7.63	167.30	162.21	5.09	2.256	876.7	1978	1.004	1,990
7	8.65	167.33	162.61	4.72	2.173	1009.2	2193	1.016	2,230
8	9.10	167.31	162.32	4.99	2.234	1061.0	2370	1.016	2,410
9	8.72	167.30	161.83	5.47	2.339	1017.2	2379	1.016	2,420
10	9.68	167.28	162.05	5.23	2.287	1133.1	2591	1.016	2,630
11	10.02	167.28	162.20	5.08	2.254	1173.5	2645	1.016	2,690
12	11.74	167.32	163.00	4.32	2.078	1383.9	2876	1.016	2,920
13	9.81	167.30	163.06	4.24	2.059	1149.2	2366	1.016	2,400
14	11.31	167.29	162.94	4.35	2.086	1329.8	2774	1.007	2,790
15	11.53	167.30	162.92	4.38	2.093	1357.5	2841	1.007	2,860
16	11.17	167.26	162.40	4.86	2.205	1312.3	2894	1.007	2,910
17	11.04	167.26	161.16	6.10	2.470	1296.1	3201	1.007	3,220
18	11.28	167.32	161.27	6.05	2.460	1326.1	3262	1.007	3,280
19	11.48	167.32	162.45	4.87	2.207	1351.2	2982	1.007	3,000
20	9.48	167.28	162.75	4.53	2.128	1108.2	2358	1.007	2,370
21	11.05	167.29	162.44	4.85	2.202	1297.4	2857	1.011	2,890
22	10.39	167.28	161.96	5.32	2.307	1216.3	2806	1.011	2,840
23	10.56	167.28	161.32	5.96	2.441	1236.5	3018	1.011	3,050
24	9.75	167.28	160.52	6.76	2.600	1141.8	2969	1.011	3,000
25	10.35	167.30	161.04	6.26	2.502	1211.6	3032	1.011	3,060
26	8.59	167.31	161.37	5.94	2.437	1002.3	2443	1.011	2,470
27	7.16	167.29	161.56	5.73	2.394	817.9	1958	1.011	1,980
28	9.99	167.30	162.09	5.21	2.283	1170.0	2671	1.009	2,700
29	10.37	167.30	162.08	5.22	2.285	1214.0	2774	1.009	2,800
30	11.66	167.30	162.45	4.85	2.202	1373.8	3025	1.009	3,050
31	12.72	167.29	162.81	4.48	2.117	1506.1	3188	1.009	3,220

TOTAL 83,230

DAILY AVERAGE 2,685

ACRE FEET 165,087

cc. WD
WD-WCO
USGS
P.C. FILE

SLUDGE REPORT

ALL-AMERICAN STA. 60 FLOW AND


RETURN TO RIVER.

IMPERIAL IRRIGATION DISTRICT
 MONTHLY REPORT OF DIVERSIONS TO ALL-AMERICAN CANAL
 AND RETURN FLOWS TO RIVER FROM DESILTING BASINS
 JANUARY, 2002

Date	A.A.C. STA. 60	SLUDGE DISCHARGE	A.A.C. HEADWORKS
1	3120	230	3350
2	4130	230	4360
3	4460	230	4690
4	4660	230	4890
5	4680	230	4910
6	4470	230	4700
7	4250	230	4480
8	4480	230	4710
9	5010	230	5240
10	5890	230	6120
11	4930	230	5160
12	4760	230	4990
13	4330	230	4560
14	4820	230	5050
15	4890	230	5120
16	4960	230	5190
17	5200	230	5430
18	5250	230	5480
19	4860	230	5090
20	4250	230	4480
21	4870	230	5100
22	5000	230	5230
23	5260	230	5490
24	5240	230	5470
25	5230	230	5460
26	4650	230	4880
27	4220	230	4450
28	5080	230	5310
29	5210	230	5440
30	5280	230	5510
31	5510	230	5740
TOTAL	148950	7130	156080
AVG	4805	230	5035
ACRE FT	295442	14142	309584

Original: RIVER DIVISION
 Copy to: USGS
 USBR
 WD
 WD-WCO
 P. C. FILE

REPORTED BY :


 B. L. MOORE, SUPERINTENDENT
 RIVER DIVISION OPERATIONS

SILT SAMPLES

WORK ORDERS TO GO WITH SAMPLES
TAKEN AT 8 LOCATIONS

HydroTECH
FIELD NOTE
SILT SAMPLE
BASINS
6 SHEETS

DATE SAMPLED 3-6-02 TIME 9:15 AM. DATE TO LAB. _____

BOTTLE NO. 12 LAB. NO. _____

LOCATION OF SAMPLE S 1/2 BASIN # 3

DISCHARGE 48 CFS WATER TEMP. _____

METHOD OF SAMPLING INTEGRATED SILT

REMARKS STA. 60 = 6270 CFS W/O 801235

SAMPLED BY Riv. Div.

DATE TESTED _____ TESTED BY _____

IID-430A (R3 12-70) - WATER AND SILT SAMPLES

DATE SAMPLED 3-6-02 TIME 8:50 AM DATE TO LAB. _____

BOTTLE NO. 10 LAB. NO. _____

LOCATION OF SAMPLE S 1/2 BASIN # 2

DISCHARGE 55 CFS WATER TEMP. _____

METHOD OF SAMPLING INTEGRATED SILT

REMARKS STA. 60 = 6270 CFS W/O 801235

SAMPLED BY Riv. Div.

DATE TESTED _____ TESTED BY _____

IID-430A (R3 12-70) - WATER AND SILT SAMPLES

Flow Below: DATA GENERATED BY IIO AND
USGS. USED IN 660 FINAL REPORT. REPORTED
TO USBR, USGS, IADW, IIO.

JANUARY, 2002

INPUT FOR FLOW BELOW

DATE	CALIF. S. WAY	GILA S. WAY	SLUDGE	SEEPAGE CHANNEL	STATION 60		
					ORDERED	RECEIVED	DIFFERENCE
1	70	0.2	230	0	2830	3120	290
2	70	0.2	230	0	4360	4130	-230
3	70	0.2	230	0	4560	4460	-100
4	213	0.2	230	0	4760	4660	-100
5	109	0.2	230	8	4520	4680	160
6	70	0.2	230	25	3910	4470	560
7	70	0.2	230	26	4180	4250	70
8	70	0.2	230	27	4330	4480	150
9	70	0.2	230	0	4560	5010	450
10	70	0.2	230	0	4660	5890	1230
11	70	0.2	230	0	4380	4930	550
12	70	0.2	230	0	4190	4760	570
13	70	0.2	230	0	3680	4330	650
14	70	0.2	230	0	4490	4820	330
15	70	0.2	230	0	4590	4890	300
16	70	0.2	230	0	5020	4960	-60
17	70	0.2	230	0	5370	5200	-170
18	70	0.2	230	0	5320	5250	-70
19	70	0.2	230	0	4980	4860	-120
20	70	0.2	230	0	4090	4250	160
21	70	0.2	230	0	4950	4870	-80
22	70	0.2	230	0	5150	5000	-150
23	70	0.2	230	0	5480	5260	-220
24	70	0.2	230	0	5480	5240	-240
25	70	0.2	230	0	5480	5230	-250
26	70	0.2	230	0	5010	4650	-360
27	70	0.2	230	0	4300	4220	-80
28	70	0.2	230	0	5020	5080	60
29	174	0.2	230	0	5220	5210	-10
30	70	0.2	230	0	5330	5280	-50
31	70	0.2	230	0	5400	5510	110
TOTAL	2456	6.2	7130	86	145600	148950	3350
DAILY AVG	79	0	230	3	4697	4805	108
ACRE FT.	4871	12	14142.355	171	288797	295442	6645
MAX	213	0.2	230	27	5480	5890	1230
MIN	70	0.2	230	0	2830	3120	-360

PKMP TO RIVER: Flows calc. from DATA
GENERATED AT IMPERIAL DAM. Flows REPORTED
TO IID, USGS, USBR, IBCO.

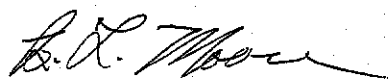
IMPERIAL IRRIGATION DISTRICT
ALL-AMERICAN CANAL
PILOT KNOB HYDRO PLANT TO RIVER

JANUARY, 2002

DATE	UNIT #1		UNIT #2		DAILY DISCHARGE CFS	P.K. SPILL CFS	TOTAL TO RIVER CFS
	HOURS	DISCHARGE CFS	HOURS	DISCHARGE CFS			
1	0	0	24	930	930	0	930
2	0	0	24	967	967	0	967
3	0	0	24	1020	1020	0	1020
4	0	0	24	1180	1180	0	1180
5	0	0	24	1490	1490	0	1490
6	0	0	24	1950	1950	0	1950
7	0	0	24	1310	1310	0	1310
8	0	0	24	1350	1350	0	1350
9	0	0	24	1920	1920	0	1920
10	0	0	24	2760	2760	0	2760
11	0	0	24	1720	1720	0	1720
12	0	0	24	1250	1250	0	1250
13	0	0	24	1280	1280	0	1280
14	0	0	24	1390	1390	0	1390
15	0	0	24	1270	1270	0	1270
16	0	0	24	1270	1270	0	1270
17	0	0	24	1270	1270	0	1270
18	0	0	24	1270	1270	0	1270
19	0	0	24	1200	1200	0	1200
20	0	0	24	1200	1200	0	1200
21	0	0	24	1280	1280	0	1280
22	0	0	24	1360	1360	0	1360
23	0	0	24	1360	1360	0	1360
24	0	0	24	1370	1370	0	1370
25	0	0	24	1320	1320	0	1320
26	0	0	24	1370	1370	0	1370
27	0	0	24	1430	1430	0	1430
28	0	0	24	1560	1560	0	1560
29	0	0	24	1630	1630	0	1630
30	0	0	24	1440	1440	0	1440
31	0	0	24	1570	1570	0	1570
TOTAL							43687
DAILY AVERAGE							1409
ACRE FEET							86653

Original: RIVER DIVISION
Copy to: USGS - 1
WD
WD-WCO
PD
P.C. File ✓

REPORTED BY :



B. L. MOORE, SUPERINTENDENT
RIVER DIVISION OPERATIONS

Pilot Knob Spillway
Flows thru the spillway that was
not ordered.

13

IMPERIAL IRRIGATION DISTRICT
ALL-AMERICAN CANAL
PILOT KNOB SPILLWAY
JANUARY, 2002

DATE	TIME OF DAY FROM TO	MEAN POND GAUGE	GATE OPENING FEET *	DIS- CHARGE	NO. OF HRS.	TOTAL HOUR- SEC.-FT.	P.K. SPILL DAILY DISCHARGE
------	------------------------	-----------------------	---------------------------	----------------	-------------------	----------------------------	----------------------------------

The Pilot Knob Spillway was not used during January, 2002.

*Gate number in parenthesis.

Original: RIVER DIVISION
Copy to: USGS - 1
WD
WD-WCO
PD
P.C. File ✓

Reported by:

B. L. Moore
B. L. MOORE, SUPERINTENDENT
RIVER DIVISION OPERATIONS

MASTER SCHEDULE OF FLOWS

DATA FROM USBR FOR DAILY OPERATION OF
DELIVERIES FROM IMPERIAL DAM AND GILA

**MASTER SCHEDULE OF FLOWS AND DIVERSIONS AT IMPERIAL DAM
FOR WEEK BEGINNING March 4, 2002**

Day	Date	Flow above Imperial Dam	ALL-AMERICAN CANAL						GILA GRAVITY MAIN CANAL						ALL-AMERICAN CANAL					Reservoir Division	
			California Sluiceway	Total through Headgates	Desilting Works to River	Station 60	Yuma Project	California Wasteway to River	Pilot Knob to River	Powerplant	Wasteway	Total through Gila Headgates	Station 30	Gila Sluiceway	Mexico's Order Under Treaty	IID Station 60	Station 1117	Yuma Turnouts (Irrigation)	Valley Division		
		Hundreds of second-feet																			
1	2	3	4	5	6	7	8	9*	10	11	12	13	14	15	16	17	18	19	20		
Mon.	3/4	93	0	83.2	3.5	79.7	20.0	11.8	19.2	0	10.0	10.0	0	30.0	52.3	51.3	8.2	6.0	2.0		
Tue.	3/5	90	0	51.9	3.5	48.4	20.0	15.5	19.2	0	10.0	10.0	0	30.0	52.3	51.3	4.5	2.5	1.8		
Wed.	3/6	92	0	52.4	3.5	48.9	20.0	15.2	19.2	0	10.0	10.0	0	30.0	54.3	53.3	4.8	3.0	1.6		
Thu.	3/7	94	0	52.4	3.5	48.9	20.0	14.3	20.3	0	9.8	9.8	0	31.1	54.3	53.3	5.7	3.5	2.0		
Fri.	3/8	95	0	51.6	3.5	48.1	20.0	10.5	20.3	0	8.6	8.6	0	31.1	53.3	52.3	9.5	7.5	1.8		
Sat.	3/9	89	0	51.0	3.5	47.5	20.0	11.4	20.3	0	5.7	5.7	0	31.1	50.8	49.8	8.6	7.0	1.4		
Sun.	3/10	84	0	50.8	3.5	47.3	20.0	12.8	20.3	0	4.8	4.8	0	31.1	47.8	46.8	7.2	6.0	1.0		

*Included in Column 8 and available for transfer to Pilot Knob Powerplant under provisions of contract #14-06-300-1381

1/ Column 10 includes Column 9

Weekly Sta. 60 Report

Top of Report is a result of Metering
at station 60, + Gauge Height at lower
Slope sta. 1035

Bottom of Report = Actual Flow Below sta. 60
using 24 HR AUG. OF sta. 60 + sta 1035 / with
Rating Table + Flow Pilot Knob To River

ADVANCE WATER ORDER

ORDERS FOR IID + CUWD, SLUDGE, LOSS
STATION 60 TO 117, PILOT KA03 TO RIVER

IMPERIAL IRRIGATION DISTRICT
 ADVANCE WATER ORDER WORK SHEET
 RIVER DIVISION, ALL-AMERICAN CANAL SECTION
 WEEK OF 4-Mar TO 11-Mar 2002

DAY OF WEEK	DATE	DIVERSION AT IMPERIAL DAM	RETURN TO RIVER FROM DESILTING WORKS	CANAL AT STATION 60				LOSS STATION 60 TO STATION 1117				CANAL AT STATION 1117			
				TOTAL	CVWD	IID	PILOT KNOB TO RIVER	TOTAL	CVWD	IID	TOTAL	CVWD	IID	TOTAL	CVWD
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)		
MONDAY	3/4	13350	350	13000	430	4800	7770	100	10	90	5130	420	4710		
TUESDAY	3/5	13350	350	13000	430	4800	7770	100	10	90	5130	420	4710		
WEDNESDAY	3/6	13350	350	13000	430	5000	7570	100	10	90	5330	420	4910		
THURSDAY	3/7	13350	350	13000	430	5000	7570	100	10	90	5330	420	4910		
FRIDAY	3/8	13350	350	13000	330	5000	7670	100	10	90	5230	320	4910		
SATURDAY	3/9	13350	350	13000	280	4800	7920	100	10	90	4980	270	4710		
SUNDAY	3/10	13130	350	12780	380	4400	8000	100	10	90	4680	370	4310		

COLUMNS 12, 13 AND 14 RECEIVED FROM WATER CONTROL SECTION. THEY INCLUDE CVWD ADVANCE ORDER AT 6A CHECK AND IID ADVANCE ORDER AT DROP NO. 1, PLUS RESPECTIVE LOSSES.

COLUMNS 1 TO 8 ARE IDENTICAL TO COLUMNS 1 TO 8 ON FORM IID-669 - WATER ORDERS FOR MASTER SCHEDULE.

- ORIGINAL - RIVER DIVISION
- 1 COPY - MANAGER, WATER DEPARTMENT
- 1 COPY - WATER CONTROL SECTION
- 1 COPY - COACHELLA VALLEY WATER DISTRICT

Monday Report

Top

12 MID elevation at senator Wash FROM
RECORDER chart, content Acre Feet is FROM
change in elevation

MID

OPERATING HOURS

Actual Time UNITS Ran IN 10th OF HRS

Bottom

6⁰⁰ AM

Flow & DIVERSIONS

44

IMPERIAL IRRIGATION DISTRICT
ALL-AMERICAN CANAL, RIVER DIVISION

Senator Wash Weekly Report
25-Feb THRU 4-Mar-02 *****

Date	Day	Elevation 12 Mid.	Content Acre Feet
2/24	Sunday	211.82	1827
2/25	Monday	211.80	1824
2/26	Tuesday	211.06	1719
2/27	Wednesday	210.95	1705
2/28	Thursday	211.29	1752
3/1	Friday	211.27	1749
3/2	Saturday	215.06	2331
3/3	Sunday	215.25	2364
Weekly	HIGH	215.25	2364
Weekly	LOW	210.95	1705

OPERATING HOURS

Date	Day	Pumping	Generating	Freewheeling
2/25	Monday	0.0	0.0	0.0
2/26	Tuesday	0.0	0.0	11.0
2/27	Wednesday	0.0	0.0	0.0
2/28	Thursday	3.0	0.0	0.0
3/1	Friday	0.0	0.0	0.0
3/2	Saturday	31.7	0.0	0.0
3/3	Sunday	0.0	0.0	0.0
TOTAL		34.7	0.0	11.0

REMARKS:

Monday 4-Mar-02

	Flows in CFS
Colorado River above Imperial Dam	10537
Colorado River below Imperial Dam	2933
Gila Gravity Canal	1700
AAC, Sta. 60	5910
Yuma Project	780
California Wasteway to River	10
Pilot Knob Hydro Plant	800
Imperial Irrigation District	4100
Coachella Valley Water District	530
NIB order	2820
NIB flow	2835

Station 1117 Metering

Metering Data FROM Weekly Metering
Used to Make Adjustments to the
ORDER USING Head Method & Metering
Data

AAC Station 1117
 Computations for Weekly Adjust.

Date	P.K. Pond	Sta. 1117 G.H.	Head	Selsyn G.G.	Or k \sqrt{H}	Qm	AVM	Qm x 100 Or / 100.4	Adjustment	
									(3)	(4)
6-24-01	167.35	165.53	1.82	38.80	6132	6192	—	101.0	102.0	101.4
7-4-01	167.34	164.83	2.51	35.30	6535	6640	—	101.6	101.1	101.9
10	167.32	165.05	2.27	35.65	6283	6389	—	101.7	101.4	101.3
7-17-01	167.32	164.52	2.80	32.50	6264	6330	—	99.5	100.9	101.0
7-24-01	167.34	164.64	2.70	33.55	6447	6770	—	105.0	102.1	101.9
7-31-01	167.29	165.36	1.93	38.75	6305	6458	—	102.4	102.3	102.2
8-7-01	167.37	164.28	2.69	30.80	5917	5965	—	100.8	102.7	101.9
8-14-01	167.31	164.65	2.66	29.00	5561	5510	—	99.1	100.8	101.8
8-21-01	167.37	164.22	3.15	27.40	5712	5860	—	102.6	100.8	101.2
8-28-01	167.34	164.08	3.26	26.70	5668	5530	—	97.6	99.8	100.0
9-3-01	167.28	163.61	3.67	23.05	5224	5260	—	100.7	100.3	100.0
9-11-01	167.34	163.50	3.84	19.60	5648	5837	—	103.3	100.5	101.0
9-18-01	167.31	163.80	3.51	23.75	5258	5160	—	98.1	100.7	99.9
9-25-01	167.37	163.58	3.79	21.60	4983	4880	—	97.9	99.8	100.0
10-2-01	167.39	164.43	2.96	22.50	4582	4620	—	100.8	98.9	100.0
9	167.33	163.32	4.01	19.75	4687	4618	—	98.5	99.1	98.8
16	167.36	163.54	3.82	20.60	4569	4764	—	104.3	101.2	100.4
23	167.38	163.80	3.58	20.90	4678	4640	—	99.2	100.7	100.7
10-30-01	167.38	162.87	4.51	16.40	4140	3870	—	93.5	99.0	98.9
11-6-01	167.33	162.20	5.13	14.80	3969	3951	37960	99.5	97.4	99.1
11-13-01	167.30	163.30	4.00	15.60	3704	3650	3574	98.5	97.2	97.7
11-21-01	167.35	162.56	4.79	13.80	3581	3440	3379	96.1	98.0	96.9
11-28-01	167.27	162.08	5.19	13.15	3554	3534	3447	99.4	98.0	98.4
12-4-01	167.27	163.47	3.80	13.55	3134	3097	3078	98.8	98.1	98.2
12-11-01	167.33	162.84	4.49	12.50	3133	3030	3079	96.7	98.3	97.8
12-18-01	167.32	161.91	5.41	10.20	2778	2784	2177	100.2	98.6	98.8
12-25-01	167.27	163.36	3.91	7.00	1578	1663	1651	100.8	100.8	100.3
2-31-01	167.20	161.15	6.05	6.00	1656	1720	1502	103.9	101.6	100.4
1-8-02	167.32	162.52	4.80	9.40	2406	2448	2447	101.7	102.1	101.6
1-15-02	167.32	162.94	4.34	11.75	2899	2899	2958	100.0	100.9	100.7
2-22-02	167.26	162.10	5.16	10.70	2849	2894	2888	101.6	101.1	101.8
28-02	167.28	162.07	5.21	10.10	2700	2730	2720	100.4	100.7	100.9
5-02	167.27	161.60	5.67	9.80	2734	2790	2114	102.0	101.3	101.0
12-02	167.32	162.92	4.36	15.00	3711	3830	3744	103.2	101.9	101.8
19-02	167.33	162.64	4.69	14.90	3823	4065	3968	106.3	103.8	103.00
26-02	167.36	164.29	3.07	24.00	4969	4961	5184	99.9	103.1	102.8
5-02	167.28	164.74	2.54	23.90	4483	4655	4790	103.8	103.3	103.3

Pilot Knob Hydro Plant Measurements
Metering Data From Metering
Pilot Knob Weekly.
"Note" 2 Reports

PILOT KNOB
METERING DATA

#metres

DATE	TIME	#1	W.G. #2	MEAN W.G.	P.K. POND	TAIL WATER	H.M.	V HEAD	K	Q= K*VH	IND. cfs	Qm. cfs	GEN. KWH	TOTAL cfs	TRAN. cfs	OTHER cfs
5-8-01	8:23	-	13	13	167.36	105.03	62.3	7.893	95	750	781	980	2200	800	370	430
6-5-01	8:20AM	17	0	17	167.39	104.89	62.5	7.906	98	775	893	920	2700	900	900	0
6-13-01	9:10AM	29	0	22	167.34	104.95	62.4	7.899	112	885	1003	982	3200	1000	1000	0
6-19-01	8:30AM	28	0	28	167.37	105.16	62.2	7.887	123	970	1147	1147	3600	1150	1150	0
6-26-01	8:51AM	28	0	28	167.35	105.12	62.2	7.887	123	970	1144	1040	3700	1150	1145	5
7-4-01	9:41AM	34	0	34	167.35	105.35	62.0	7.874	136	1021	1244	1290	4400	1250	1145	105
7-10-01	8:26AM	15	0	15	167.33	106.15	61.2	7.823	87	923	798	924	2200	800	800	0
7-17-01	8:14AM	25	0	25	167.32	105.18	62.1	7.883	118	930	1048	1040	3700	1050	1050	0
7-19-01	8:23AM	0	15	15	167.29	105.04	62.2	7.887	103	828	860	830	2600	850	850	0
7-20-01	8:04AM	0	14	14	167.37	105.32	62.0	7.877	100	787	820	880	2200	800	800	0
7-24-01	9:35AM	0	22	22	167.27	105.24	62.0	7.874	119	937	1056	1040	3500	1050	1050	0
7-28-01	9:21AM	0	25	25	167.33	105.23	62.1	7.880	124	977	1095	1140	3800	1100	1100	0
7-28-01	9:29AM	0	22	22	167.32	105.23	62.2	7.887	119	938	1056	1050	3500	1050	1050	0
7-28-01	9:17AM	0	18	18	167.27	104.99	62.3	7.893	112	824	1002	910	3300	1000	1000	0
7-31-01	9:15AM	0	15	15	167.20	104.93	62.3	7.893	103	829	861	850	2600	850	850	0
7-31-01	9:10AM	0	32	32	167.32	105.54	61.8	7.860	137	1077	1195	1160	3900	1200	1200	0
7-31-01	9:30AM	0	35	35	167.32	105.62	61.7	7.855	140	1147	1266	1000	4500	1250	1250	0
7-31-01	9:51AM	0	38	38	167.25	105.96	61.3	7.879	159	1245	1362	1464	5400	1350	1350	0
7-31-01	9:15A	0	44	44	167.28	106.12	61.2	7.820	194	1517	1713	1731	6000	1700	1250	450
7-31-01	9:05A	0	46	46	167.27	106.07	61.2	7.823	208	1627	1823	1800	7500	1850	1810	640
7-31-01	8:58A	0	48	48	167.32	106.10	61.2	7.823	222	1737	1932	1960	7700	1950	1155	795
7-19-02	8:55A	0	45	45	167.33	106.00	61.3	7.831	201	1674	1769	1790	6900	1750	1230	520
7-26-02	9:11AM	0	47	47	167.36	106.03	61.3	7.829	215	1683	1879	1950	7600	1900	1270	630
7-26-02	8:50 PM	0	14	14	167.28	106.39	60.9	7.803	100	780	814	790	2100	800	800	0

Station 60 Measurement
Sheet

Metering Data From Metering
Sta. 60 2 Times a Week, Adjustments
Made To ORDER USING Data collected

1st Page is IID Measurements
2nd Page is USGS Measurements

Date	Hydro-grapher	Meter No.	Sta. 60 G.H.	Q.m.	Sta. 60 Order	Metered Corr.	Adj. Corr.	Adj. Order	AVM	1	
12-16-01	ORR	8157	19.59	4110	3965	-0.88	-0.95	4020	✓	3234	18
19	Martin	A94051	20.23	4820	5005	-1.07	-1.07	4970	-	129	16
23	BKW	A91029	19.59	4150	3770	-0.86	-0.96	3970	-	2358	188
26	ORR	8152	19.29	3620	3495	-0.85	-0.96	3490	-	3290	180
30	Martin	A94051	19.31	3600	3800	-0.88	-0.88	3740	-	1122	162
1-2-02	USGS Roberts	99078	19.75	4150	4215	-1.01	-1.01	3990	-	1186	306
9	Martin	8152	20.57	5270	5490	-1.11	-1.11	5340	-	3215	285
1-13-02	BKW	A91029	19.72	4230	3915	-0.94	-1.02	4070	-	238	98
16	ORR	A94051	20.40	5090	5180	-1.06	-1.06	5120	-	1107	197
20	Martin	8152	19.82	4200	4170	-1.06	-1.06	4180	-	117	117
23	BKW	A91029	20.71	5590	5595	-1.03	-1.05	5610	-	3459	439
27	ORR	A94051	19.68	4020	4000	-1.02	-1.04	4020	-	3135	115
30	Martin	8152	20.70	5440	5555	-1.12	-1.12	5440	-	1281	351
2-3-02	BKW	A91029	19.96	4540	4310	-0.98	-1.05	4420	-	2288	188
6	HLD	1092	20.79	5520	5765	-1.15	-1.15	5620	-	1204	334
10	Martin	A94051	20.67	5280	5410	-1.20	-1.20	5340	-	1123	153
14	BKW	8152	21.72	6790	6810	-1.18	-1.19	6830	-	2267	252
17	ORR	A91029	21.04	5960	5830	-1.09	-1.16	5880	-	3377	307
20	Martin	A94051	22.10	7090	7380	-1.34	-1.34	7120	-	135	205
24	BKW	8152	22.02	7090	7055	-1.26	-1.26	7110	-	286	32
27	ORR	A91029	22.33	7530	7470	-1.21	-1.27	7520	-	3301	261
3-3-02	Martin	A94051	21.84	6720	6770	-1.35	-1.35	6660	-	178	178

IID

BREAKDOWN OF TOTAL AT STA. 1117

IID + CVWD TO BE USED FOR

FINAL "660" REPORT.

All American Canal Loss January-01

54%

Date	Pilot Knob Discharges			Coachella	Drop 1	Loss Pilot Knob to Drop			Diversions above EHL	Discharge Below EHL	Loss Drop 1 to EHL	CHK	AI
	Total	IID	CVWD			Total	IID	CVWD					
1	1400	1132	268	250	1054	96	78	18	527	488	39		
2	2510	2266	244	249	2312	-51	-46	-5	975	1260	77		
3	2820	2574	246	249	2605	-34	-31	-3	1146	1458	1		
4	2780	2533	247	250	2567	-37	-34	-3	1084	1457	26		
5	2540	2376	164	150	2178	212	198	14	952	1268	-42		
6	1990	1701	289	249	1467	274	234	40	768	661	38		
7	2230	1916	314	300	1830	100	86	14	1054	728	48		
8	2410	2117	293	300	2164	-54	-47	-7	1083	1060	21		
9	2420	2115	305	300	2078	42	37	5	1089	956	33		
10	2630	2368	262	250	2256	124	112	12	1100	1119	37		
11	2690	2474	216	200	2291	199	183	16	1144	1067	80		
12	2920	2752	168	150	2461	309	291	18	1046	1390	25		
13	2400	2143	257	250	2085	65	58	7	785	1324	-24		
14	2790	2532	258	250	2452	88	80	8	1094	1317	41		
15	2860	2612	248	250	2633	-23	-21	-2	1162	1428	43		
	37390	33611	3779	3647	29404	1310	1178	132	15009	16870	443		
16	2910	2678	232	250	2884	-224	-206	-18	1275	1508	101		
17	3220	2994	226	250	3306	-336	-312	-24	1615	1598	93		
18	3280	3010	270	250	2789	241	221	20	1341	1470	-22		
19	3000	2723	277	250	2453	297	270	27	1220	1256	-23		
20	2370	2070	300	300	2069	1	1	0	874	1197	-2		
21	2890	2542	348	349	2553	-12	-11	-1	1191	1319	43		
22	2840	2551	289	300	2646	-106	-95	-11	1290	1310	46		
23	3050	2770	280	300	2965	-215	-195	-20	1387	1504	74		
24	3000	2760	240	250	2877	-127	-117	-10	1332	1494	51		
25	3060	2792	268	250	2606	204	186	18	1266	1326	14		
26	2470	2316	154	150	2251	69	65	4	1043	1234	-26		
27	1980	1718	262	250	1641	89	77	12	712	970	-41		
28	2700	2444	256	250	2388	62	56	6	1101	1230	57		
29	2800	2550	250	250	2548	2	2	0	1142	1396	10		
30	3050	2721	329	300	2483	267	238	29	1129	1425	-71		
31	3220	2810	410	400	2740	80	70	10	1230	1475	35		
CFS	83230	75060	8170	7996	73632	1602	1428	174	34157	38693	782		
AF	165087	148882	16205	15860	146049	3178	2833	345	67750	76748	1551		

USGS
FINAL TURNOUT FIGURES
FOR FINAL 660 REPORT

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION

Lower Colorado River - Data for IID - Provisional Data

Mean Daily Discharge in Cubic feet per second, except as noted by #.

Day	Colorado River b/w Imperial Dam 09429500	Libby Lake Inter *09322400	Gila Gravity Main Canal 08522500	Reservoir Main Canal 08522200	Tributary Canal 08522400	Yaqul Canal 08522600	Pondic Canal 08522800	Yuma Main Canal b/w SDPP *08524000	Diversion YMC b/w SDPP *08524500	Yuma Main Canal Wasteway 08525000	Ypsilanti Canal 08526200
1	300	13	305	7.3	0	0.19	0.57	382	0	138	0.21
2	300	13	1020	58	4.1	9.9	1.6	410	12	68	10
3	300	13	1070	73	1.3	9.8	8.7	500	12	56	14
4	443	13	881	93	3.4	0.11	2.7	523	6	56	13
5	347	13	476	65	0	5	9.5	523	13	95	12
6	325	13	317	1.7	0	2.3	2.5	523	8	214	3.5
7	326	13	967	48	0	1.9	13	474	17	152	15
8	327	13	903	44	0	8.3	0.89	435	14	106	12
9	300	13	875	27	0	1.3	7	462	12	94	8.3
10	300	13	886	37	0	0.07	7.3	517	13	87	18
11	300	13	579	51	0	6.1	0.83	512	11	86	13
12	300	13	542	32	0	16	12	489	13	73	2.1
13	300	13	336	5.8	0	0.2	2.6	425	4	59	0.21
14	300	13	973	46	0	14	8.6	479	3	87	16
15	300	13	975	9	1.8	21	9	533	3	100	16
16	300	13	915	88	2.4	21	22	601	6	97	11
17	300	13	787	73	0	20	4	523	13	69	25
18	300	13	965	70	0	11	5.4	511	11	73	19
19	300	13	475	25	0	6.4	7.7	477	8	95	25
20	300	13	308	15	0	0.26	0.53	416	4	111	31
21	300	13	916	46	0	2.8	3.7	488	0	118	34
22	300	13	932	88	0	0.13	0.53	485	14	109	31
23	300	13	898	76	0	9	0.49	587	32	116	23
24	300	13	937	40	0	0.12	24	572	22	83	23
25	300	13	742	78	0	6.8	11	536	23	53	13
26	300	13	514	59	0	2.1	11	528	18	99	9.6
27	300	13	404	34	2.1	2	5.5	414	7	98	16
28	300	13	963	116	0	28	0.34	488	6	104	34
29	404	13	860	108	0	32	6.4	634	3	112	36
30	300	13	788	94	4.1	4.5	9.7	570	9	89	25
31	300	13	1100	94	0	3.8	11	619	18	85	36
TOTAL	9672	403	23160	1763.8	19	247.18	210.28	15496	335	2382	545.02
MEAN	312	13	747	57	1	8	7	500	11	96	18
ACFT	19184	799	45938	3498	38	490	417	30736	664	5915	1081

*Data furnished by other agencies
#Data furnished by other agencies in acre-feet

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - ARIZONA DISTRICT

COLORADO RIVER BLW IMPERIAL DAM, AZ-CA

TOTAL FLOW BELOW DAM - PROVISIONAL COMPUTATIONS - SUBJECT TO REVISION

JAN 2002

DATE	CALIFORNIA SLUICeway	GILA SLUICeway	A. A. C. SLUDGE RETURN	SEEPAGE CHANNEL	09429500 TOTAL BELOW IMPERIAL DAM	095224 MITTRY INLET
1	70	.2	230	.0	300	13.0
2	70	.2	230	.0	300	13.0
3	70	.2	230	.0	300	13.0
4	213	.2	230	.0	443	13.0
5	109	.2	230	8.0	347	13.0
6	70	.2	230	25.0	325	13.0
7	70	.2	230	26.0	326	13.0
8	70	.2	230	27.0	327	13.0
9	70	.2	230	.0	300	13.0
10	70	.2	230	.0	300	13.0
11	70	.2	230	.0	300	13.0
12	70	.2	230	.0	300	13.0
13	70	.2	230	.0	300	13.0
14	70	.2	230	.0	300	13.0
15	70	.2	230	.0	300	13.0
16	70	.2	230	.0	300	13.0
17	70	.2	230	.0	300	13.0
18	70	.2	230	.0	300	13.0
19	70	.2	230	.0	300	13.0
20	70	.2	230	.0	300	13.0
21	70	.2	230	.0	300	13.0
22	70	.2	230	.0	300	13.0
23	70	.2	230	.0	300	13.0
24	70	.2	230	.0	300	13.0
25	70	.2	230	.0	300	13.0
26	70	.2	230	.0	300	13.0
27	70	.2	230	.0	300	13.0
28	70	.2	230	.0	300	13.0
29	174	.2	230	.0	404	13.0
30	70	.2	230	.0	300	13.0
31	70	.2	230	.0	300	13.0

TOTAL 9,672 403.0
 MEAN 312 13.0
 TOTAL AC. FT. 19,184 799

VERIFIED BY JRR DATE 2-12-02
 REVIEWED BY JMC DATE 2/12/2002

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - ARIZONA SURFACE WATER DATABASE 02/13/2002
 STATION NUMBER 09429490 COLORADO RIVER ABOVE IMBERIAL DAM, CA-AZ. STREAM SOURCE AGENCY USES
 LATITUDE 325301 LONGITUDE 1142800 DRAINAGE AREA 184500. ENTUM 0.0 STATE 06 COUNTY 025
 PROVISIONAL DATA DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
 DAILY MEAN VALUES
 SUBJECT TO REVISION

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8020	6900	5620	3740								
2	7920	6330	5150	5460								
3	8090	6180	5730	5840								
4	8010	5700	5650	5950								
5	7820	6940	5890	5520								
6	7350	7240	6230	5120								
7	6620	6980	6310	5560								
8	7610	7010	5980	5720								
9	7900	6770	5350	6200								
10	8140	6390	6060	7090								
11	8230	6290	6080	5820								
12	7840	6750	5890	5620								
13	7040	6330	6370	4980								
14	6370	6960	6130	6110								
15	7840	6720	5320	6180								
16	7880	6470	4880	6190								
17	8150	6080	5790	6300								
18	8070	5810	6040	6130								
19	7990	6580	6160	5650								
20	7440	6890	6100	4870								
21	6990	6200	5940	6100								
22	7670	5060	5340	6240								
23	8130	5740	4670	6470								
24	7910	6260	4150	6490								
25	7310	6010	3820	6280								
26	6900	6620	4870	5880								
27	6210	6850	5380	4940								
28	6430	8230	5250	6360								
29	6640	6830	5020	6490								
30	6870	6480	4320	6380								
31	6860	---	3750	6920								
TOTAL	232270	194140	169200	182200								
MEAN	7493	6471	5458	5877								
MAX	8230	7240	6330	7090								
MIN	6210	5060	3750	3740								
AC-FT	460700	385100	335600	361400								
CAL YR 2001	TOTAL 3073980	MEAN 8422	MAX 12500	MIN 3750	AC-FT 6097000							

IBWC

Flows to Mexico figures used
for final report of sched vs actual
master sched.

AND DIVERSIONS MADE BY MEXICO AT MORELOS DAM

JANUARY 2002

MEAN DAILY FLOWS IN CUBIC METERS PER SECOND

*To Cruz
2-25-02*

DATE	COLORADO RIVER AT NORTHERLY BOUNDARY #522000	WASTE AND DRAINAGE YUMA VALLEY	TOTAL TO MEXICO	* MEXICO'S DAILY SCHEDULE	MEXICO'S DIVERSIONS AT MORELOS DAM * #531000	** OTHER QUANTITIES
1	48.0	6.32	54.32	48.000	48.0	7.23
2	46.2	4.83	51.03	50.000	46.5	7.25
3	46.3	4.14	50.44	50.000	46.4	7.31
4	51.3	5.84	56.94	55.000	51.3	7.12
5	64.3	5.71	70.01	55.000	61.2	6.98
6	75.0	6.09	81.09	55.000	66.7	7.10
7	56.8	5.15	61.95	57.000	56.8	6.79
8	53.1	3.98	57.08	57.000	53.1	6.84
9	80.5	3.97	84.47	57.000	63.9	6.98
10	94.2	4.53	98.73	57.000	62.9	6.92
11	72.6	5.73	78.33	57.000	56.4	7.24
12	58.9	4.42	63.32	57.000	56.8	6.82
13	54.1	4.72	58.82	57.000	53.8	7.03
14	59.8	5.15	64.95	63.000	59.0	6.64
15	58.6	4.51	63.11	63.000	59.0	5.77
16	57.9	4.52	62.42	63.000	58.3	5.90
17	57.3	5.40	62.70	63.000	57.6	6.11
18	53.8	5.83	59.63	63.000	53.9	6.30
19	53.1	5.83	58.93	63.000	53.1	5.86
20	54.9	5.32	60.22	63.000	54.9	5.91
21	58.5	5.15	63.65	66.000	58.5	6.04
22	63.7	4.65	68.35	66.000	63.7	6.11
23	63.0	4.41	67.41	66.000	63.0	5.97
24	62.3	4.67	66.97	66.000	62.3	5.72
25	59.1	4.55	63.65	66.000	59.1	5.53
26	60.4	4.95	65.35	66.000	60.6	5.78
27	61.0	5.33	66.33	66.000	61.0	5.95
28	68.3	5.55	73.85	69.000	68.3	5.81
29	68.8	4.84	73.64	69.000	68.8	5.78
30	63.7	3.88	67.58	69.000	63.7	4.65
31	66.5	4.08	70.56	70.995	66.5	4.15
TOTAL	1,892.0 ✓	153.83 ✓	2,045.83 ✓	1,890.995 ✓	1,815.1 ✓	195.59 ✓
MEAN	61.0 ✓	4.96 ✓	66.0 ✓	61.0 ✓	58.6 ✓	6.31 ✓
TCM	163,469 ✓	13,291 ✓	176,760 ✓	163,382 ✓	156,825 ✓	16,899 ✓
CUMML.	163,469 ✓	13,291 ✓	176,760 ✓	163,382 ✓	156,825 ✓	16,899 ✓

* SUPPLIED BY IBWC MEXICAN SECTION

** SUM OF WELLTON-MOHAWK WATERS DISCHARGED TO COLORADO RIVER BELOW MORELOS DAM AND FLOWS CROSSING THE SOUTHERLY INTERNATIONAL BOUNDARY

TCM = THOUSANDS OF CUBIC METERS

*AE
2-7-02*

IBWC

SLIDING SHIFT DATA FOR RT.
FOR NIB DISCHARGE.



INTERNATIONAL BOUNDARY & WATER COMMISSION UNITED STATES SECTION

YUMA PROJECT OFFICE

DATE: 3-4-02

TO: IID - Imp. Dam
Bobby Moore
FAX # 1-760-339-0791
PHONE # _____

FROM: _____
IBWC - US Section
Phone # (928) 782-1598

DESCRIPTION OF DOCUMENTS AND OR COMMENTS

<u>New Shift Points</u>	<u>High</u>	<u>32.500</u>	<u>(106.63)</u>
		<u>-0.070</u>	<u>(-0.23)</u>
	<u>Mid</u>	<u>32.000</u>	<u>(104.99)</u>
		<u>-0.070</u>	<u>(-0.23)</u>
	<u>Low</u>	<u>31.650</u>	<u>(103.84)</u>
		<u>-0.500</u>	<u>(-1.64)</u>

NUMBER OF PAGES, INCLUDING THIS PAGE: 1

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IF THIS TRANSMISSION WAS NOT RECEIVED IN ITS ENTIRETY, OR IS NOT LEGIBLE, PLEASE NOTIFY US IMMEDIATELY.

FAX# (928) 782-1043

PHONE: (928) 782-1598

LB.W.C.-United States Section**Process Date: 3-04-2002****Log Scale Offset: 102.00*****Using Sliding Shift******Provisional****(Based on NIB measurements through 03/04/02)****Northerly International Boundary (Colorado River above Rockwood Weir)****DISCHARGE IN CUBIC FEET PER SECOND**

Ght.	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
104.5						1719	1731	1743	1755	1767
104.6	1779	1790	1802	1814	1826	1838	1848	1859	1870	1880
104.7	1891	1901	1912	1922	1933	1943	1953	1963	1974	1984
104.8	1993	2003	2013	2023	2034	2045	2056	2067	2078	2090
104.9	2102	2114	2126	2136	2146	2156	2166	2176	2186	2195
105.0	2200	2204	2209	2213	2217	2222	2226	2230	2235	2239
105.1	2243	2247	2252	2256	2263	2269	2276	2282	2289	2295
105.2	2302	2308	2315	2321	2344	2368	2391	2415	2438	2461
105.3	2485	2508	2532	2555	2574	2594	2613	2633	2652	2671
105.4	2691	2710	2730	2749	2763	2777	2792	2806	2820	2834
105.5	2848	2863	2877	2891	2904	2918	2931	2944	2958	2971
105.6	2984	2997	3011	3024	3045	3065	3086	3107	3128	3148
105.7	3169	3190	3210	3231	3250	3268	3287	3306	3325	3343
105.8	3362	3381	3399	3418	3429	3439	3450	3460	3471	3481
105.9	3492	3502	3513	3523	3530	3537	3543	3550	3557	3564
106.0	3571	3577	3584	3591	3603	3615	3628	3640	3652	3664
106.1	3676	3689	3701	3713	3725	3738	3750	3762	3775	3787
106.2	3799	3811	3824	3836	3862	3888	3914	3940	3966	3992
106.3	4018	4044	4070	4096	4122	4147	4173	4198	4224	4250
106.4	4275	4301	4326	4352	4377	4402	4428	4453	4478	4503

MONTHLY SUMMARY REPORT
DAILY AVERAGES

PENCIL COPY
MONTHLY SUMMARY REPORT
RIVER DIVISION OPERATIONS
JANUARY, 2002

REPORTING LOCATION	YEAR	DAILY AVERAGES C.F.S.			MONTH	MONTH	ACRE FEET TO DATE
		HIGH	LOW	MONTH			
Flow Above Imperial Dam	2002	7090	3740	5877	361394	361394	
*Flow Below Imperial Dam	2002	443	300	312	19184	19184	
Gila Gravity Main Canal	2002	1100	305	747	45938	45938	
Sludge Return to River	2002	230	230	230	14142	14142	
All American Canal, Sta. 60	2002	5890	3120	4805	295442	295442	
Total Yuma Project Turnout	2002	2112	1505	1924	118303	118303	
AAC, Pilot Knob to River	2002	2760	930	1409	86653	86653	
All American Canal, Sta. 1117	2002	3280	1400	2685	165087	165087	
Norther International Boundry	2002	2649	1632	2154	132527	132527	

SENATOR WASH	ELEVATION		CONTENT-A.F.		UNIT OPERATING HOURS		
	MAX.	MIN.	START	FINISH	PUMP	GEN.	F.W.
MONTH	233.07	210.33	1625	2834	467.3	127.9	382.8

CAL. BY
CHECK BY

CALIF. SLUICeway

OPERATIONAL REPORT

REPORTED TO USGS FOR CSW FLOW CALCULATIONS.

IMPERIAL IRRIGATION DISTRICT
AAC River Division, Imperial Dam

Report of Operational Data for Calculation of California Sluiceway Discharge

Month: Feb 2002

Gate Opening^a

09 429500

DAY	Time of gate change (24 hr)	No. Gates	A	B	C		LAKE ELEV	Computations & Remarks
01	0000	12	closed	closed	closed	✓		
03	1801	4	closed	closed	0.40	✓	180.81	+744 CSW
03	2101	12	closed	closed	closed	✓	180.67	-741 CSW
16	0001	4	closed	closed	0.15	✓	180.80	+301 CSW
16	0401	4	closed	closed	0.10	✓	180.77	-101 CSW
16	0501	12	closed	closed	closed	✓	180.76	-199 CSW
17	0001	4	closed	closed	0.20	✓	180.80	+403 CSW
17	0301	4	closed	closed	0.15	✓	180.77	-99 CSW
17	0401	4	closed	closed	0.10	✓	180.75	-101 CSW
17	15:01	4	closed	closed	0.70	✓	180.79	+1033 CSW
17	19:01	4	closed	closed	1.00	✓	180.80	+481 CSW
17	21:01	4	closed	closed	0.70	✓	180.76	-485 CSW
17	23:01	4	closed	closed	0.45	✓	180.70	-403 CSW
18	0001	4	closed	closed	0.20	✓	180.71	-433 CSW
18	0030	4	closed	closed	0.10	✓	180.68	-198 CSW
18	0201	12	closed	closed	closed	✓	180.62	-198 CSW
18	14:01	4	closed	closed	0.20	✓	180.80	+401 CSW
18	21:01	4	closed	closed	0.50	✓	180.80	+513 CSW
18	23:01	4	closed	closed	0.35	✓	180.79	-248 CSW
19	0001	4	closed	closed	0.10	✓	180.75	-462 CSW
19	0101	12	closed	closed	closed	✓	180.75	-199 CSW
19	1301	4	closed	closed	0.20	✓	180.79	+399 CSW
19	2101	4	closed	closed	0.10	✓	180.79	-200 CSW
19	2301	12	closed	closed	closed	✓	180.76	-199 CSW

a. The California Sluiceway has 12 gates, 3 groups of 4, separated by training walls. Groups are identified by A, B, and C, with A adjacent to the California shore. Please use military time (24 hr clock). Even though redundant, please enter the gate openings at 2400 hrs to close out day-- day with flow only. Lake Elevations only needed to nearest tenth.

SENATOR WASH

OPERATING REPORT (COMBINED DATA)

Date: February- 2002

Combined Data
Senator Wash Reservoir
Operating Report

Day	No. of Units Oper.	Unit Flow C.F.S.		Total Unit Hours		Plant Hours	MIDNIGHT Change		Pumped +		Released -		LOSS A.F.
		Pump	Free.	Pump	Free.		Gen.	Elav. Fl.	Content A.F.	C.F.S.	A.F.	F.W. C.F.S.	
Previous Month													
1	6FW	0	116	0.0	104.8	21.7	217.85	2834	0	0	48	0	49
2	0	0	0	0.0	0.0	0.0	212.17	1878	0	0	507	0	-12
3	6P-1FW	236	111	0.0	0.0	0.0	212.09	1866	0	0	0	0	-31
4	0	0	0	0.0	0.0	20.0	221.17	3516	1690	0	5	9	-68
5	6P	228	0	0.0	0.0	8.7	223.80	4121	339	0	0	0	-86
6	0	0	0	0.0	0.0	6.7	225.05	4429	189	0	0	0	-79
7	6FW	0	127	0.0	0.0	0.0	224.73	4350	0	0	0	0	5
8	4FW	0	121	0.0	116.6	20.9	219.35	3131	0	0	617	0	7
9	6FW	0	117	0.0	36.2	13.5	217.47	2762	0	0	183	0	-7
10	4P	238	0	0.0	66.5	11.3	213.84	2132	0	0	324	0	13
11	6FW	0	116	0.0	0.0	17.9	217.27	2724	310	0	0	0	-22
12	0	0	112	0.0	61.6	6.6	213.90	2141	0	0	298	0	8
13	0	0	0	0.0	34.0	6.6	211.87	1834	0	0	159	0	8
14	2P	240	0	0.0	0.0	0.0	211.79	1823	0	0	0	0	-11
15	6P	236	0	0.0	0.0	2.2	212.25	1890	43	86	0	0	-18
16	6P	225	0	0.0	0.0	19.2	220.75	3426	806	1598	0	0	-62
17	6P	215	0	0.0	0.0	24.0	227.85	5166	1034	2051	0	0	-311
18	4P	211	0	0.0	0.0	15.5	232.52	6541	822	1631	0	0	-258
19	0	0	0	0.0	0.0	7.0	232.87	6562	201	399	0	0	-246
20	4G	0	0	0.0	0.0	0.0	232.09	6406	0	0	0	0	-181
21	6FW6G	0	134	0.0	29.1	14.4	230.09	5802	0	0	213	0	-41
22	6FW	0	125	0.0	124.8	23.9	224.15	4206	0	0	697	87	53
23	6FW	0	115	0.0	144.0	24.0	217.52	2771	0	0	750	0	6
24	0	0	0	0.0	99.4	16.7	211.86	1832	0	0	476	0	-5
25	0	0	0	0.0	0.0	0.0	211.82	1827	0	0	0	0	-9
26	1FW	0	110	0.0	0.0	0.0	211.76	1818	0	0	0	0	1
27	0	0	0	0.0	11.0	11.0	211.06	1719	0	0	50	0	-14
28	1P	241	0	0.0	0.0	0.0	210.95	1705	0	0	0	0	-13
29				0.0	0.0	3.0	211.29	1752	30	60	0	0	
Total				489.0	799.9	299.8	218.69	2998	4626	9177	4066	300	598
Mean A.F.				489.0	799.9	41.1	218.69	2998	165	328	145	11	288
TOTAL ACRE FEET				IN	9177	MAX			540	MIN		53	
				OUT	8660	MIN							-311

SENATOR WASH
END OF MONTH REPORT

LAGUNA DAM
OPERATIONAL DATA.
DAILY MEAN DISCHARGE

71

IMPERIAL IRRIGATION DISTRICT
RIVER DIVISION
IMPERIAL DAM

REPORT OF OPERATIONAL DATA LAGUNA DAM Feb. 2002

DAY	8:00 AM LAKE ELEVATION	REMARKS	DISCHARGE DAILY MEAN
1	149.43		318
2	149.37		315
3	149.25		312
4	150.00		321
5	149.90		321
6	149.73		318
7	149.57		315
8	149.46		312
9	149.42		306
10	149.24		306
11	149.16		306
12	149.19		303 ^{EST.}
13	149.12		300 ^{EST.}
14	149.06		300 ^{EST.}
15	149.01		300 ^{EST.}
16	149.35		303 ^{EST.}
17	149.81		399
18	151.10		604
19	150.99		502
20	150.91		379
21	150.49		340
22	150.06		334
23	150.24		334
24	150.49		340
25	150.64		349
26	150.85		633
27	145.31		552
28	145.29		349
29			
30			
31			

Operational Worksheet

1st Part yesterday 24 HR Daily Means

2ND 6⁰⁰ AM Actual Readings & OR Flow
= Plus or Minus Master Schedule
For The Day

3RD 12⁰⁰ N. Actual Readings Plus or Minus
Master Schedule For The Next Day
Called in To Water Control - Report
changes For The Next Day & yesterday
Daily Means, changes To Be Made To
Be on Master Schedule, Revisions For
Prev. Day + Reg. change, Early changes
& Deviations From Master Schedule

OPERATIONAL WORKSHEET
River Division
All-American Canal Section

Date 3-5 -2002

Yesterday Daily Means		M.S. YESTERDAY	A.M. Today	M.S. TODAY	M.S. TOMORROW
Sta. 60	<u>5787</u>		<u>6030</u>	<u>6030</u>	
Yuma	<u>609</u>		<u>650</u>	<u>650</u>	
PKHP	<u>808</u>		<u>800</u>	<u>800</u>	
IID&Coa.	<u>4370</u> -860	<u>5230</u>	<u>4580</u> -650	<u>5230</u>	<u>5430</u>
IID	<u>3867</u> -933	<u>4800</u>	<u>4062</u> -738	<u>4800</u>	<u>5000</u>
Coa.	<u>503</u> +73	<u>430</u>	<u>518</u> +88	<u>430</u>	<u>430</u>
P.K.Pond ga.	<u>167.31</u>		<u>167.33</u>	<u>167.30</u>	
Sta.1117 ga.	<u>164.51</u>		<u>164.74</u>	<u>164.75</u>	
Head =	<u>2.80</u>		<u>2.59</u>	<u>2.55</u>	
P.K. CK. G.O.	<u>21.81</u>		<u>23.15</u>	<u>23.80</u>	
Sta.1117 Q.	<u>4445</u>		<u>4528</u>	<u>4618</u>	
Coa. T.O.	<u>500</u>		<u>500</u>	<u>500</u>	
Sta. 1117					
IID	<u>3933</u> -777	<u>4710</u>	<u>4016</u> -694	<u>4710</u>	<u>4910</u>
Coa.	<u>512</u> +92	<u>420</u>	<u>512</u> +92	<u>420</u>	<u>420</u>
	<u>11.52</u> %		<u>11.31</u> %		<u>11.09</u> %

Data transmitted to McDade By BW @ 12 PM

Required change to be on Master Schedule

Total	<u>+850</u>
IID	<u>+928</u>
CVWD	<u>-78</u>

Regular change

From McDade @ 12 PM
 Received by Winchell
 M.S. Revision For 3-9-02

<u>-500</u>	C.F.S. IID
<u>NC</u>	C.F.S. CVWD
<u>-500</u>	C.F.S. Net

Master Sch 4580 ORDER

EARLY CHANGE

From _____ @ _____
 Rec'd by _____
 Change Sta 60 For _____
 @ _____
 IID _____ c.f.s.
 CVWD _____ c.f.s.
 Net _____ c.f.s.
 New Deviation from Master Schedule _____

Backin Change(re-revision)

M.S. Revision For 3-8-02
 Date of _____
 Prev. Request 3-4-02

_____	C.F.S. IID
_____	C.F.S. CVWD
_____	c.f.s. Prev.
_____	c.f.s. Prev.
_____	Prev. total
_____	C.F.S. Net

Master Sch _____ ORDER

EARLY CHANGE

From _____ @ _____
 Rec'd by _____
 Change Sta 60 For _____
 @ _____
 IID _____ c.f.s.
 CVWD _____ c.f.s.
 Net _____ c.f.s.
 New Deviation from Master Schedule _____

Operational Change for Tomorrow

Total	<u>+150</u>	G.O.	<u>+0.75</u>
Deviation from Master Schedule			
IID	<u>-800</u>		
CVWD	<u>+100</u>		

REMARKS _____

TODAY'S FINAL MASTER SCHEDULE DEVIATION

_____	C.F.S. IID
_____	C.F.S. CVWD
_____	C.F.S. NET

Senator Wash Log Sheet

24, HR LOG OF all activity at
Senator Wash, Pumping, Generating,
Freewheeling, Maintenance, Readings
elevations & Times



DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION
SENATOR WASH PUMPING-GENERATING PLANT

Senator Wash Plant Log Sheet

Time	Book No. <u>293</u> Sheet No. <u>1</u> of _____ Date <u>3-4-02</u>
0000	CL2002-02 SW ON UNIT #5 By C.E. Ratcliff
0000	No units on, #1, 2, 3, 4, 6 Available
0800	SW Lake elev. 214.92
0820	ARRIVED at Plant TRANSFORMER YARD in service SW Lake = 180.85 CB204 = 335 CB206 = 192 SW 596 = 8052.1 #1 = 3557 #4 = 2502 SW 594 = 693.7 #2 = 586 #5 = — SW 55M = 81.3 #3 = 2129 #6 = 2500 Weir 10 = 0
0826	Took Readings, Updated Log Book, Checked gleg For seep gage
1015	UNIT NO 1 ON FW
1020	UNIT NO 2 ON FW
1230	UNIT NO 3 ON FW
1415	UNIT NO 4 ON FW
1420	UNIT NO 6 ON FW
2400	SW ELEV 211.70
	FW TIME 58' 20''
	TRAVE 13.45

Today AM Readings

yesterday Daily Means

Today's AM Readings ARE Actual Flows +
ORDERS at 6⁰⁰ AM

yesterday Daily Means ARE 24HR AVG, HIGH +
LOW, GAUGE HEIGHTS, FLOWS, FOR LAKE ELEVATIONS
FLOW ABOVE, DIVERSIONS, FLOWS BELOW, RIVER
GAUGES,

Date 3 - 5 - 2002

TODAYS AM READINGS

HEADWORKS

Lake Elev. _____ ft.

Flow Above _____ cfs

Station 60 _____ cfs

Station 30 _____ cfs

Sludge _____ cfs

Leakage _____ cfs

Ca. Sluiceway _____ cfs

AAC CANAL

Reservation 200 cfs

Valley 440 cfs

P.K.H.P. 800 cfs

SENATOR WASH

Lake Elev. 211.21 ft.

Pump/Gen NONE

LAGUNA DAM

Lake Elev. 151.73 ft.

Flow 4435 cfs

Hydromat Gauge 30.50 ft.

Staff Gauge — ft.

RIVER GAUGES

Yuma G.H. 116.81 ft.

Flow 3149 cfs

N.I.B. G.H. 106.54 ft.

Flow — cfs

YESTERDAY DAILY MEANS

IMPERIAL DAM

G.H. Lake +/- -0.03 ft.

Avg. Elev. 180.76 ft.

High 180.81 ft.

Low 180.70 ft.

Flow abv. Avg. 10793 cfs

High 11756 cfs

Low 9982 cfs

DIVERSIONS

Sta.60 Curve 5786 cfs

Sta 30 1563 cfs

Sludge 350 cfs

Leakage 75 cfs

Ca Sluiceway 3020 cfs

FLOW BELOW

Imp. Dam Avg. 3445 cfs

High 4646 cfs

Low 2384 cfs

Laguna Avg Flow 3341 cfs

High 4981 cfs

Low 2358 cfs

RIVER GAUGES

Taylor's Fr. G.H. 13.62 ft.

Flow 9511 cfs

Cibola G.H. 8.54 ft.

Flow 9261 cfs

Yuma G.H. 115.38 ft.

Flow 2150 cfs

N. I. B. G.H. 105.92 ft.

Avg Flow 3292 cfs

High 3966 cfs

Low 2721 cfs

PKHP Tailwater Elev. 106.03 ft.

Tie - in

Daily INSTRUCTION ON OPERATIONS
& Limits, Master schedules, Flows
ARRIVING, Changes To Be Made, Guide
Lines To operate By From Day
To Day From information compiled
By IID + USBR

Date 3-5-2002



Adjust Station 60 @10:30 PM and PKHP @12:01 AM for 2820 @ NIB on 3-6-2002

Adjust Station 60 @ 7:01 PM and CWW @ 8:01 PM for _____ @ NIB on _____-2002

Remarks: _____
NIB Limits = 2770 to 2870 cfs
+150 cfs at Station 60 @12:01 AM. and +150 cfs +0.75 Gate Opening at P.K. Check Gates @ 1:30 AM.

Deviation from m. s.
IID. -800
CVWD +100
NET -700

Yuma Valley Changes

S.V. White Home 572-0384

Reservation Changes

Siphon Drop Max. 1500 cfs.
Min. 350 cfs.

Valley +20 @ 6:01 AM

HOLD LAKE LIMITS 180.20 TO 180.80

Plus or minus PKHP to hold Imperial Lake limits. Plus or minus CSW to hold lake limits.

SENATOR WASH OPERATION

PUMP at Senator Wash to hold Imperial Lake limits. Senator Wash Elev. Limit is 233.00

All pumps on at S.W., Lake rising, plus (Calif. sluiceway) or (~~PKHP~~) to hold lake limits.
Senator Wash Elev. at upper limit plus (Calif. Sluiceway) or (~~PKHP~~) to hold lake limits.

Generate/Freewheel at Senator Wash to hold Imperial Lake limits. Freewheel Below S.W. Elev. 229.00
Estimated Flow in Tomorrow: 9400 cfs.

IID Maint.	PAGER/HOME	IID Ops.	HOME	PAGER	U.S.B.R.	HOME
L. Lopezgamez	(760) 312-9280	B.L. Moore	(760) 572-0435	(760) 312-7664	Frank Macaluso	(928) 344-0202
A.M. Garcia	(928) 376-5208	G.M. Bazabal	(760) 572-0406	(928) 539-6449	Alex Jimenez	(928) 783-6499
Eddie Gill	(760) 572-2267	C.E. Ratcliff	(760) 572-0378	(928) 539-3133	ELSA	(928) 782-3993
D. Hogan	(928) 376-5255	B.k. Winchell	(928) 305-1717	(760) 335-7784	Terri	(928) 785-4308
E. TOCZKO	(928) 726-0623	PAGER	(928) 376-4546		Paity	(928) 627-9454
					USBR cell phone	(928) 920-5906
					Hm (760) 572-0304	Cell (928) 920-7850

Call HONG DECORSE if unable to reach the on call USBR person
METERINGS ^{USBR}
Sta.60 1117 Pkhp Gila CSW/Silt Samp Laguna NIB

Plus or minus CWW to hold NIB limits Plus or minus PKHP to hold NIB limits

REMARKS: Notify USBR person on call when adding 500 cfs to CSW so they can advise Dredge Crew.
Dredge # (928) 920-784:
Keep 800 CFS Min @ PKHP Per Alex

Do not adjust PKHP or Calif. Wasteway (Yuma Main Canal) if it will affect metering at NIB between 6:00 am and 8:00 am (Summer); 8:00 am and 10:00 am (Winter) unless absolutely necessary. No metering on Sunday, Wednesday, Friday.

Flow Above	C.S.W. Gates	Head	Sludge	Sta 60	Yuma Proj.	Calif Waste	Power Plant	Gila Sta.30	MEX	IID Sta 60	IID 1117	Yuma Valley turnout	Res
97	✓	✓	✓	✓	✓	✓	✓	14.9	✓	54.3	53.3	✓	✓

STA. 60 Metering

Data collected Metering

AND 9 1-3 Metering Mean

USED FOR ADJUSTED CORR. + ORDER



STA. 60 METERING

DATE 3-3-02

Mean time 8:44 a.m.

Org. IID

STA 60 ORDER = 6770

REQUIRED GA. = 21.80

MEAN Q.M. = 6720 ✓

AVG. GAUGE = 21.84

REQUIRED GA. METERING = 20.49

METERED ADJ. = -1.35

8:00 H.M. = 4042
 YUMA TURNOUT = 840
 PKHP ORDER = 1700
 TOTAL = 6582

	ADJ.	ADJ. ORDER	LOSS
1 METERING MEAN	<u>-1.35</u>	<u>6660</u>	<u>78</u>
2 METERING MEAN	<u>-1.28</u>	<u>6760</u>	<u>128</u>
3 METERING MEAN	<u>-1.27</u>	<u>6770</u>	<u>188</u>

ADJ. CORR. +1.35

ADJ. ORDER 6660

1 Pilot Knob

Metering Weekly Data
USED FOR FLOWS THRU PLANT
AND Base RATINGS ON

47

CURRENT METER NOTES

CANAL AAC MEAS. NO. 9 DATE 3-5-02
 AT PK HYDRO PLANT FOREBAY HYDROGRAPHER GM BAZABAL
 WATCH NO. 600 START TIME 12:27 START GAUGE 167.28 PS
 METER NO. ABA051 FINISH TIME 1:13 FINISH GAUGE 167.28 Meter
 MEAN VELOCITY 0.49 MEAN TIME 12:50 MEAN GAUGE 167.28

OBSERVATIONS										COMPUTATIONS							
TIME	STATION	DEPTH	DEPTH OF OBSERVATION		NO. REV'S		NO. SEC		STATION VELOCITIES			MEAN WIDTH	AREA	DISCHARGE			
			0.8	0.2	0.8	0.8	1.2	0.2	0.8	0.2	AVG.						
12:27	0	0															
	5	33		20						67	67	5	16	11			
	10	70	56	14	20	44	20	48	181	93	97	5	35	34			
	15	100	80	20	20	47	20	42	95	106	100	5	50	50			
	20	133	106	27	20	44	20	41	181	108	104	5	66	69			
	25	162	138	24	12	40	20	41	67	108	88	5	81	71			
	30	190	152	38	15	41	20	43	82	103	102	5	95	97			
	35	193	154	39	10	42	20	43	51	103	78	5	96	75			
12:40	40	193	154	39	10	45	20	46	50	97	74	5	96	71			
	45	194	155	39	15	47	20	41	72	108	90	5	97	87			
	50	193	154	39	12	43	10	45	63	50	56	5	96	84			
	55	193	154	39	15	57	10	47	59	48	54	5	96	52			
	60	193	154	39	12	41	7	46	66	35	50	5	96	48			
	65	193	154	39	10	56	7	41	41	39	40	5	96	38			
	70	192	154	38	10	40	10	58	57	46	48	5	96	46			
	75	190	152	38	7	50	7	43	33	37	35	5	95	33			
12:50	80	185	148	37	7	40	5	49	40	24	32	5	92	29			
	85	180	142	36	7	42	5	42	38	28	33	5	90	-30			
	90	155	124	31	3	46	3	41	16	18	17	5	78	-13			
	95	125	100	25	5	50	5	52	24	21	22	5	62	-14			
	100	85	68	17	5	40	7	47	29	34	32	5	42	-13			
	105	50	40	10	5	42	5	52	28	23	26	5	25	-6			
	110	20	0	2				5.94			22	4	08	-2			
1:13	113	0															
			UNIT #1					UNIT #2									
			OFF					WICKET GO = 14%									
								GENERATOR = 2100									
								TAIL WATER BLEW = 106.39									
			WEATHER: CALM, CLEAR														
			MEAS. RATED: (6)														
REMARKS:																	

1604 786
790

117 Metering

ONCE a WEEK, Results used
to Make CORR To Flow

PC
BW

MEAS. NO. 6 DATE 2-12-02

HYDROGRAPHER B.K. Winchell

ST TIME 8:30 ^(A.M.) START GAUGE 162.94

SH TIME 9:30 ^(A.M.) FINISH GAUGE 162.98

N TIME 9:00 ^(A.M.) MEAN GAUGE 162.96

POND 167.32 COMPUTATIONS

NO.		NO.		STATION VELOCITIES			MEAN WIDTH	AREA		DISCHARGE	
V'S	SEC	REV'S	SEC	0.8	0.2	AVG.					
0.8	0.8	0.2	0.2								
—	8	40	—	46	46	5	1	6	7		
5	40	15	43	86	80	83	5	2	6	22	
8	44	20	43	94	106	100	5	8	9	39	
8	42	25	43	98	132	115	5	5	0	58	
5	46	30	43	124	159	142	5	5	8	82	
0	41	30	44	166	155	160	7	5	9	2	147
0	40	40	42	170	216	193	10	13	2	255	
5	44	40	44	181	206	194	10	13	3	258	
5	40	40	40	199	227	213	10	13	3	283	
5	41	40	40	194	227	210	10	13	5	284	
5	41	45	44	194	232	213	10	13	3	283	
0	40	40	40	227	227	227	10	13	3	302	
0	40	40	40	170	227	199	10	13	3	263	
5	43	40	40	185	227	206	10	13	5	278	
5	42	40	40	189	227	208	10	13	5	281	
5	43	40	40	185	227	206	10	13	5	278	
5	43	40	44	185	206	196	10	13	2	259	
0	43	40	42	159	216	188	10	12	7	239	
5	44	35	40	129	199	164	7	5	7	7	126
5	42	25	45	135	127	131	5	4	0	52	
5	41	15	40	84	86	85	5	2	8	24	
—	5	45	—	26	26	26	5	5	1	8	5
								204	0	3825	
										3830	

MEAS. RATED:
15.00 ORDER 3794
4.36 ✓ 2.088 AVM 3742
3711 3746

Metering at STA. 60

2 Times a week. Results
Used to make ADS to STA. 60
ORDER

CANAL ARC MEAS. NO. 15 DATE 3-3-02
 AT STA 60 HYDROGRAPHER GM BAZABAL
 WATCH NO. GMB START TIME 8:16 P.M. START GAUGE 21.83 PC
 METER NO. A94051 FINISH TIME 9:13 P.M. FINISH GAUGE 21.84 Calc
 MEAN VELOCITY 2.66 MEAN TIME 8:44 P.M. MEAN GAUGE 21.84

OBSERVATIONS										COMPUTATIONS					
TIME	7.0 STATION	DEPTH	DEPTH OF OBSERVATION		NO. REV'S		NO. SEC		STATION VELOCITIES			MEAN WIDTH	AREA	DISCHARGE	
			0.8	0.2	0.8	0.2	0.8	0.2	0.8	0.2	AVG.				
8:16	0	0													
	5	27		0.6					1.38	1.38		5	14	19	
	10	55	44	11	25	45	30	42	1.23	1.58	1.40	5	28	39	
	15	80	64	16	40	42	40	46	2.10	1.92	2.01	5	40	80	
	20	120	96	24	40	44	50	47	2.00	2.34	2.17	5	60	130	
	25	135	108	27	50	46	50	41	2.39	2.68	2.54	5	68	123	
	30	135	108	27	50	48	60	46	2.29	2.86	2.58	5	68	175	
	35	135	108	27	50	48	50	40	2.29	2.74	2.52	7.5	101	255	
	45	135	108	27	40	41	60	46	2.15	2.86	2.50	10	135	338	
8:32	55	135	108	27	50	45	60	43	2.44	3.06	2.75	10	135	371	
	65	135	108	27	50	47	60	40	2.34	3.29	2.82	10	135	381	
	75	133	106	27	50	42	70	45	2.61	3.41	3.01	10	133	400	
	85	131	105	26	50	41	70	43	2.68	3.56	3.12	10	131	409	
	95	132	106	26	50	40	60	40	2.24	3.29	3.02	10	132	399	
	105	130	104	26	50	40	60	40	2.24	3.29	3.02	10	130	393	
	115	130	104	26	60	45	60	42	2.92	3.13	3.02	10	130	393	
	125	130	104	26	50	40	60	40	2.24	3.13	3.02	10	130	393	
	135	126	101	25	50	43	60	40	2.55	3.29	2.94	10	130	382	
8:51	145	125	100	25	50	41	60	40	2.68	3.29	2.92	10	126	368	
	155	125	100	25	50	45	60	44	2.44	3.29	2.98	10	125	372	
	165	127	102	25	50	49	60	43	2.24	2.99	2.72	10	125	340	
	175	125	100	25	40	42	50	40	2.10	3.06	2.65	10	127	337	
	185	120	96	24	50	48	60	46	2.29	2.74	2.42	10	125	302	
	190	122	98	24	50	46	60	44	2.39	2.86	2.58	7.5	90	232	
	195	122	98	24	40	43	50	48	2.05	2.99	2.69	5	61	164	
	200	105	89	21	30	40	30	41	1.66	2.29	2.17	5	61	132	
	205	70	56	14	15	45	20	51	1.75	1.62	1.64	5	52	85	
	210	42	32	10	20	45	15	40	1.99	1.87	1.81	5	35	28	
9:13	217	0										6	25	23	
												2520	(6720)		

REMARKS: WEATHER: N. BREEZE, CLEAR MEAS. RATED: (3)
 METERED CORR = -1.35
 ADJ. CORR = -1.35
 ADJ. ORDER = 6660

110 723 TROUBLE ORDER

SHEET TO RELAY PROBLEMS WITH EQUIPMENT
THAT NEED REPAIR

IID 723 (R2 11-75)

IMPERIAL IRRIGATION DISTRICT
POWER DIVISION

38179

Trouble Order

DIVISION _____ ACCT. NO. _____

NAME _____

LOCATION _____

DATE _____ TIME _____ A.M.
P.M.

KIND OF TROUBLE _____

SIGNATURE OF PERSON TAKING ORDER

TROUBLE FOUND _____

ACTION TAKEN _____

MATERIALS USED _____

FIELD MEMO NO. _____ AMT. \$ _____ REQ. NO. _____

TIME _____ HOURS _____ G. L. _____

CLEARED _____ A.M. _____ DATE _____
P.M.

SUPT.

WORKMAN

SENATOR WASH ELEVATIONS

DAILY REPORT OF MIDNIGHT + 8:00AM ELEVATIONS

TOTAL NUMBER OF UNITS HRS. FOR: PUMPING,
FREEWHEELING, OR GENERATING

TOTAL NUMBER OF PLANT HRS.

REPORT USED TO COMPUTE CFS FLOWS THROUGH
UNITS.

IID-66A (9-85) - SENATOR WASH ELEVATIONS

Today's Date _____

12 Midnight Elevation

Last Night: _____

8 A.M. Elevation Today: _____

SENATOR WASH OPERATING TIME YESTERDAY

Unit No.	Pumping	Releasing	
		Freewheeling	Generating
1			
2			
3			
4			
5			
6			
Total Unit Operating Time			

Total Plant Operating Time: _____

Average Casing Pressure: _____

SENATOR WASH ELEVATIONS

	Idle	Pumping	Releases	
			Freewheel	Generate
Ele. Before Operation				
Ele. After Operation				
Avg. Oper. Elevation				

COLORADO RIVER INDIAN RESERVATION

REPORT OF FLOWS OF DIVERSION FROM RIVER +
RETURN FLOWS TO RIVER ON COLORADO RIVER INDIAN
RESERVATION AT PARKER.. RECEIVED ON HOLIDAYS +
WEEKS + REPORTED TO USBR YUMA + USBR REGION.

Colorado River Indian Reservation
FTS 8-261-3900 then 669-8162

Today's Date _____

Diversions

Main Canal Sam _____

Main Canal Prev. _____

Returns

Poston Sam _____

Poston Prev. _____

Gardner Sam _____

Gardner Prev. _____

Direct Pump _____

Changes _____

. DAILY TELEPHONE REPORT TO WATER CONTROL SECTION
REPORT OF FLOWS IN AAG TO WATER CONTROL
AT 8:00AM + 5:00PM DAILY

IID-659 (R3 6-82)

IMPERIAL IRRIGATION DISTRICT
ALL-AMERICAN CANAL SECTION, RIVER DIVISION
DAILY TELEPHONE REPORT TO WATER CONTROL SECTION

8:00 A.M.

DATE _____

STATION 60:
ORDER _____

LAKE ELEVATION: _____

PILOT KNOB:
ORDER _____

STATION 1117:
HEAD METHOD _____

DIFF. FROM MASTER SCHEDULE:

REMARKS:

FLOW ABOVE DAM _____
STATION 60, IID _____
YUMA TURNOUTS _____
(IRRIGATION WATER) _____
PILOT KNOB _____

5:00 P.M.

DATE _____

STATION 60 ORDER:
5 P.M. TODAY _____
1 A.M. TOMORROW _____

HYDRO PLANT ORDER:
5 P.M. TODAY _____
2 A.M. TOMORROW _____

DAM FAILURE INSTRUCTIONS

INITIAL WARNING MESSAGE FOR
IMPENDING OR ACTUAL DAM FAILURE

Instructions to users:

Delete or select the appropriate term or phrase within parentheses ().

Fill in the blanks with correct names, etc., as specified below each blank line.

Omit travel times if inundation maps are not available.

(*) Use these statements to advise only when possibility of dam failure is extremely questionable.

IDENTIFICATION: This is _____ with the Bureau
(name and title)
of Reclamation's _____
(office)
in _____
(location)

WARNING: The Bureau of Reclamation
(*expresses concern with the safety)
(reports the strong possibility of failure)
(reports the failure)
of _____ Dam, located in _____
(name of dam) (name)
County, _____ (The dam failed at _____
(State)
local time.) Operators have discovered _____

(brief description of problem)

CONSEQUENCE: (*If the dam fails) flooding will extend from _____
(repeat name of dam)
Dam on _____ downstream to
(names of all creeks and rivers)
(_____ Reservoir or _____
(point of containment)
River) where waters will be contained.

ACTION: You are advised to (*prepare to) evacuate the floodplain
below _____ Dam.
(name of dam)

WHERE: (In event of failure) the flood of water will cause loss of life and
damage to developments in _____ and
(nearest downstream community)
rural farmhomes.

WHEN:

_____ will be flooded _____ after
(nearest community) (give time in minutes or hours)

the time of dam failure. The time for flooding to reach other
downstream points is as follows: _____

(several key locations and time interval)

ADDITIONAL
INFORMATION:

(At the present time, operators are making large controlled releases of
water from the dam. These releases will cause minor or major flooding
to homes within the floodplain.)

Engineers are on site.

(clear and concise)

FURTHER ADVICE:

Additional statements will be issued as soon as new information is
received from Bureau of Reclamation officials. This is our _____
warning. (number)

(NOTE TO USER:

The following paragraph is NOT furnished to National Weather Service.)

SOURCE:

The flood boundaries are shown on the inundation maps in the "Emergency
Preparedness Plan with Inundation Map," a bright yellow booklet
prepared by the Bureau of Reclamation and furnished to _____
County and _____ evacuation officials. (name of downstream)
(state)

Description of Bomb Threat Phone Call

Person receiving call: _____ Date: _____

Division/Office: _____ Phone: _____

Time call received: _____ Time caller hung up: _____

Exact words of caller: _____

Bomb Description

1. When will it explode? _____

Where is it? _____

2. What kind is it? _____

4. What does it look like? _____

5. Why did the caller place the bomb? _____

Description of the Caller's Voice

Male or Female: _____

Age: Young _____ Middle aged _____ Old _____

Tone of Voice: _____

Did the caller have an accent? _____

If yes, then describe it: _____

Was the voice familiar? _____

Was there any background noise? _____

If yes, then describe it: _____

SAFETY OF DAMS ALERT--EMPLOYEE OBSERVATION

Observers - Complete this form and forward as indicated, to record and notify the responsible persons of a problem or observation relating to the structural safety of a dam. Additional instructions on reverse side of this sheet. Situations of immediate serious consequences should be reported by telephone and this form should be used for follow-up.

1. To: Chief, Dams Branch Denver Office Denver CO	3. Project:	5. Date of Observation:	7. Specification No.:
2. Through: Head: Office of Observer Office Address City, State, Zip	4. Dam:	6. Time of Observation: _____ a.m. _____ p.m.	8. Status of Dam: Construction <input type="checkbox"/> Planning <input type="checkbox"/> O&M <input type="checkbox"/> Design <input type="checkbox"/>
9. Nature of Problem: 			
10. Other Conditions Noted: 			
11. Comments of Office Head: 			
12. Observer's Signature: _____	Date: _____	Office Phone No.: _____	
3. Signature of Office Head: _____		Date: _____	

TELEPHONE REPORT OF WATER AND POWER
INTERRUPTIONS AND FACILITY FAILURE

1. FROM
REGION: LC

2. TO: <input type="checkbox"/> COMMISSIONER CODE <input type="checkbox"/> DENVER OFFICE CODE <input type="checkbox"/> REGIONAL OFFICE CODE <input type="checkbox"/> OTHER (SPECIFY)	3. DATE OF CALL	7. PERSON CALLED	9. PERSON PLACING CALL
	4. TIME OF CALL		
	5. DATE OF INCIDENT	8. CITY CALLED	10. CALL PLACED FROM
	6. TIME OF INCIDENT		
11. RESERVOIR EL.	12. CONTENT	13. OUTFLOW	14. INFLOW
15. FACILITIES INVOLVED			
16. DESCRIPTION OF EVENTS			
17. APPARENT CAUSE OF INCIDENT			
18. DAMAGE TO FACILITIES (DESCRIBE)			
19. DURATION OF OUTAGE (DATE(S) AND TIME)			
20. REPORT TO ERA <input type="checkbox"/> YES <input type="checkbox"/> NO			
21. ACTIONS INITIATED TO RESTORE SERVICE			
22. REMARKS			

MANUAL COPY OF ELEVATIONS WHEN
FLOATING RECORDERS FAIL.

RPT. - AAC SCADA ELEVATIONS

DATE	2001												
STA. 1035 ELEV.		P.K. POND		STA. 1117		STA. 1035 ELEV.		P.K. POND		STA. 1117			
24:00	17.		167.		16		12:00	17.		167.		16	
0:15	17.		167.		16		12:15	17.		167.		16	
0:30	17.	AVG	167.	AVG	16	AVG.	12:30	17.	AVG	167.	AVG	16	AVG.
0:45	17.	17.	167.	167.	16	16	12:45	17.	17.	167.	167.	16	16
1:00	17.		167.		16		13:00	17.		167.		16	
1:15	17.		167.		16		13:15	17.		167.		16	
1:30	17.	AVG	167.	AVG	16	AVG.	13:30	17.	AVG	167.	AVG	16	AVG.
1:45	17.	17.	167.	167.	16	16	13:45	17.	17.	167.	167.	16	16
2:00	17.		167.		16		14:00	17.		167.		16	
2:15	17.		167.		16		14:15	17.		167.		16	
2:30	17.	AVG	167.	AVG	16	AVG.	14:30	17.	AVG	167.	AVG	16	AVG.
2:45	17.	17.	167.	167.	16	16	14:45	17.	17.	167.	167.	16	16
3:00	17.		167.		16		15:00	17.		167.		16	
3:15	17.		167.		16		15:15	17.		167.		16	
3:30	17.	AVG	167.	AVG	16	AVG.	15:30	17.	AVG	167.	AVG	16	AVG.
3:45	17.	17.	167.	167.	16	16	15:45	17.	17.	167.	167.	16	16
4:00	17.		167.		16		16:00	17.		167.		16	
4:15	17.		167.		16		16:15	17.		167.		16	
4:30	17.	AVG	167.	AVG	16	AVG.	16:30	17.	AVG	167.	AVG	16	AVG.
4:45	17.	17.	167.	167.	16	16	16:45	17.	17.	167.	167.	16	16
5:00	17.		167.		16		17:00	17.		167.		16	
5:15	17.		167.		16		17:15	17.		167.		16	
5:30	17.	AVG	167.	AVG	16	AVG.	17:30	17.	AVG	167.	AVG	16	AVG.
5:45	17.	17.	167.	167.	16	16	17:45	17.	17.	167.	167.	16	16
6:00	17.		167.		16		18:00	17.		167.		16	
6:15	17.		167.		16		18:15	17.		167.		16	
6:30	17.	AVG	167.	AVG	16	AVG.	18:30	17.	AVG	167.	AVG	16	AVG.
6:45	17.	17.	167.	167.	16	16	18:45	17.	17.	167.	167.	16	16
7:00	17.		167.		16		19:00	17.		167.		16	
7:15	17.		167.		16		19:15	17.		167.		16	
7:30	17.	AVG	167.	AVG	16	AVG.	19:30	17.	AVG	167.	AVG	16	AVG.
7:45	17.	17.	167.	167.	16	16	19:45	17.	17.	167.	167.	16	16
8:00	17.		167.		16		20:00	17.		167.		16	
8:15	17.		167.		16		20:15	17.		167.		16	
8:30	17.	AVG	167.	AVG	16	AVG.	20:30	17.	AVG	167.	AVG	16	AVG.
8:45	17.	17.	167.	167.	16	16	20:45	17.	17.	167.	167.	16	16
9:00	17.		167.		16		21:00	17.		167.		16	
9:15	17.		167.		16		21:15	17.		167.		16	
9:30	17.	AVG	167.	AVG	16	AVG.	21:30	17.	AVG	167.	AVG	16	AVG.
9:45	17.	17.	167.	167.	16	16	21:45	17.	17.	167.	167.	16	16
10:00	17.		167.		16		22:00	17.		167.		16	
10:15	17.		167.		16		22:15	17.		167.		16	
10:30	17.	AVG	167.	AVG	16	AVG.	22:30	17.	AVG	167.	AVG	16	AVG.
10:45	17.	17.	167.	167.	16	16	22:45	17.	17.	167.	167.	16	16
11:00	17.		167.		16		23:00	17.		167.		16	
11:15	17.		167.		16		23:15	17.		167.		16	
11:30	17.	AVG	167.	AVG	16	AVG.	23:30	17.	AVG	167.	AVG	16	AVG.
11:45	17.	17.	167.	167.	16	16	23:45	17.	17.	167.	167.	16	16

POWER LOG MAIN CONTROL HOUSE

HOURLY POWER METER READING

USED TO ALSO RECORD POWER BUMPS, POWER
OUTAGES, + STANDBY GEN. RUN TIMES.

LOG OF FLOWS - PILOT KNOB HYDRO PLANT

HOURLY RECORD OF FLOWS + ORDERS THRU.

PILOT KNOB POWER PLANT, ASSIGNS CREDIT

FOR GENERATION.

IID-665A (R1 4-66) - LOG OF FLOWS - PILOT KNOB HYDRO PLANT (Includes Yuma Project Water Transferred to District)

Date _____

All Flows are in C.F.S.

M.S.T. TIME	PILOT KNOB HYDRO PLANT - FLOWS			PILOT KNOB HYDRO PLANT - CHANGES			DAILY MEAN FLOWMETER:		
	ACTUAL FLOW	TOTAL ORDER	TRANSFER WATER	OTHER WATER	TIME	TOTAL	TRANSFER WATER	OTHER WATER	REMARKS
12 M									
Master Schedule									
1 AM									
2 AM									
3 AM									
4 AM									
5 AM									
6 AM									
7 AM									
8 AM									
9 AM									
10 AM									
11 AM									
12 N									
1 PM									
2 PM									
3 PM									
4 PM									
5 PM									
6 PM									
7 PM									
8 PM									
9 PM									
10 PM									
11 PM									
12 M									
TOTAL									
DAILY MEANS									

Percent Other = _____ %

Flows AND DIVERSIONS

AT AND Below IMP. Dam

Daily 24 HR AUG. DF Flows

AND Gauge Heights

COMBINED DATA
SENATOR WASH RESEVOIR
OPERATING REPORT

OVERALL DATA USED FOR
USBR TO REPORT TO HOOVER
AND DATA FOR THEM

Flow over IMP Dam Weir

used to calculate Flow Below

AND Flow over Weir copy

To USGS

Date _____

FLOW OVER IMPERIAL DAM WEIR - ON HOUR

Hour	Lake Elevation	Remarks	Discharge
12 M			
1 AM			
2 AM			
3 AM			
4 AM			
5 AM			
6 AM			
7 AM			
8 AM			
9 AM			
10 AM			
11 AM			
12 AM			
1 PM			
2 PM			
3 PM			
4 PM			
5 PM			
6 PM			
7 PM			
8 PM			
9 PM			
10 PM			
11 PM			
12 PM			
Daily Mean			

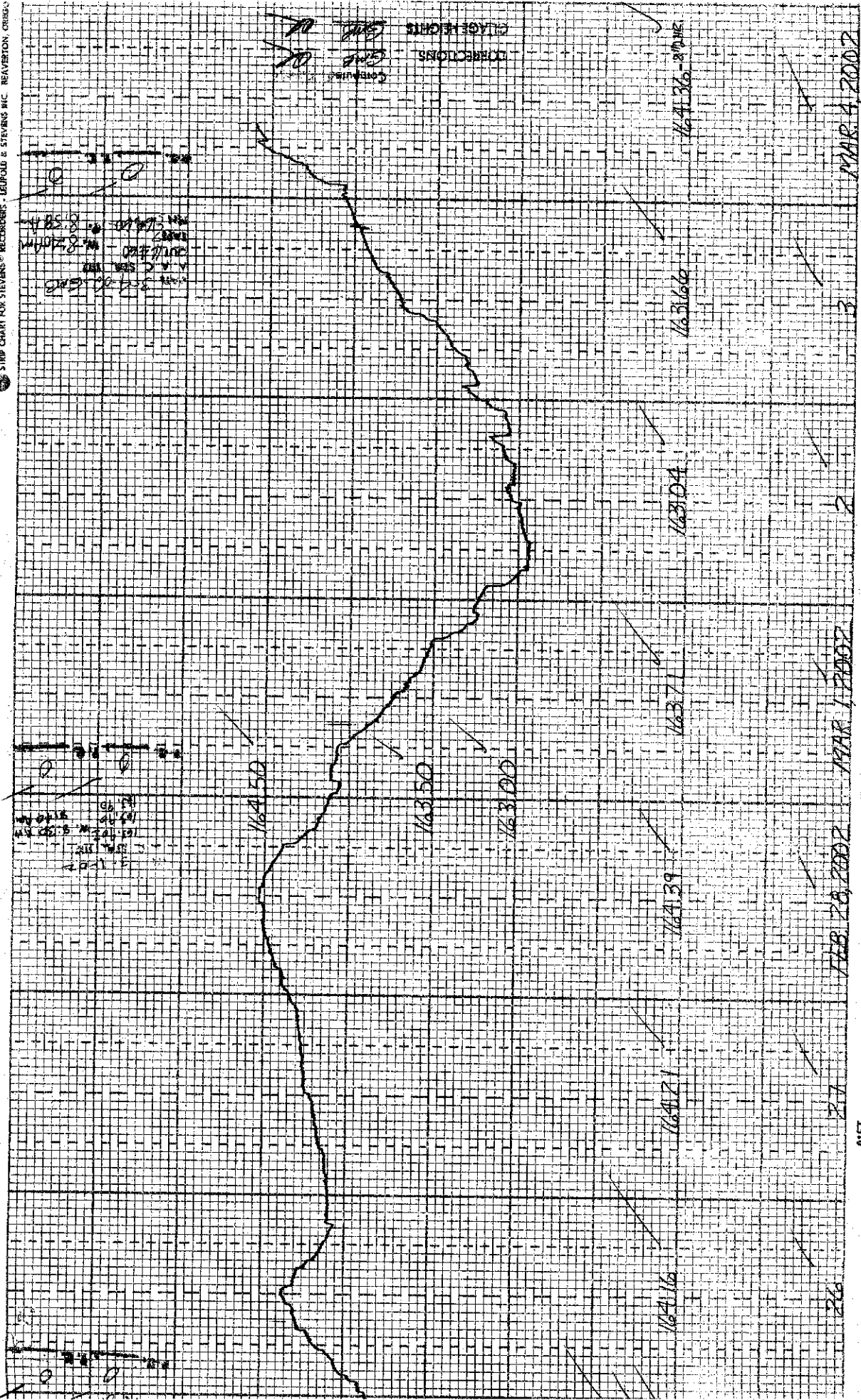
Water sampler

Water samples collected
Daily for USBR.

STA 1117 STRIP CHART USED TO CAL. FLOWS
AND ADJUSTMENTS TO FLOWS FOR REPORTS TO
USBR AND USGS.

STRIP CHART FOR STEVENS RECORDERS - LEIPOLD & STEVENS INC. REAVERTON, OREGON

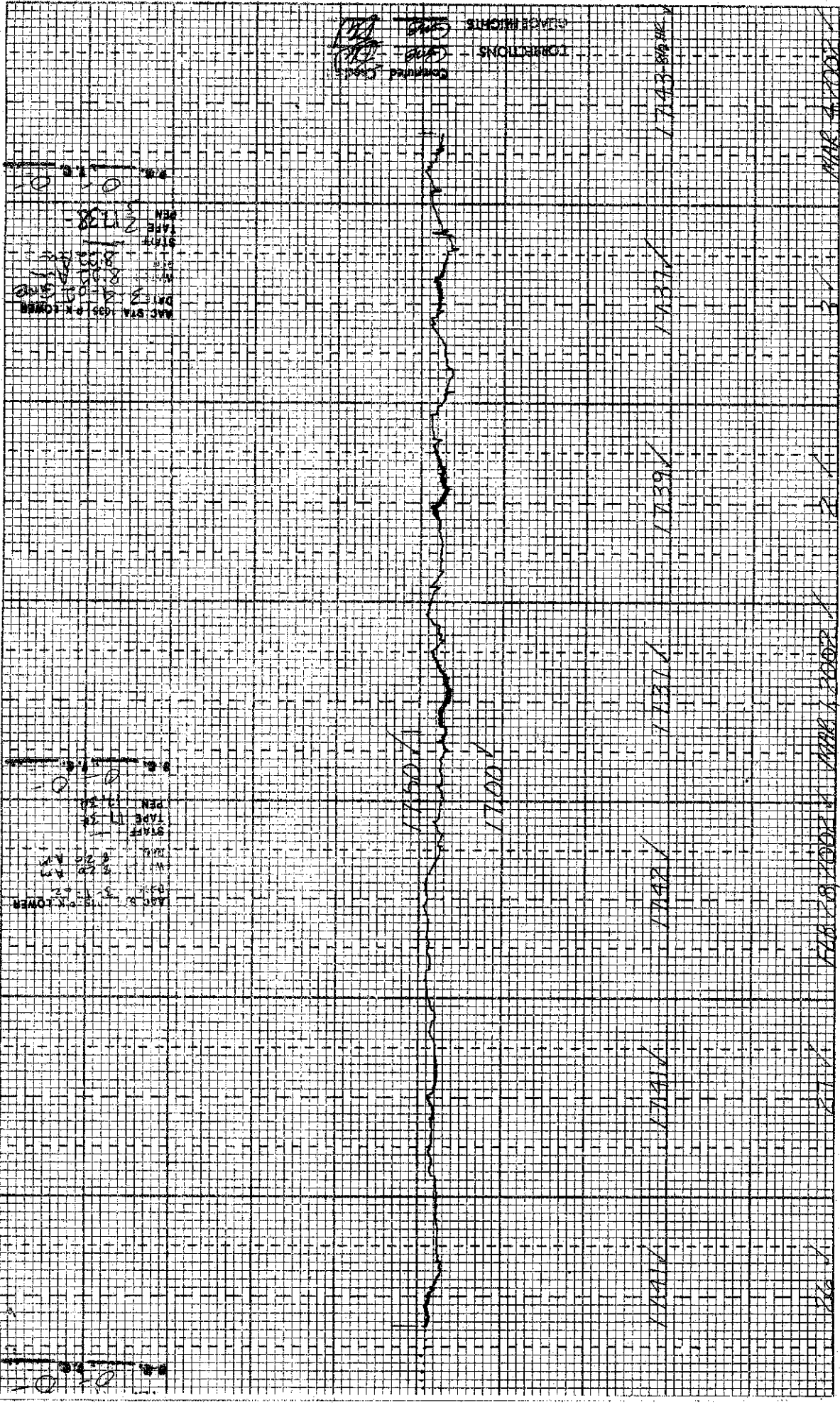
STRIP CHART FOR STEVENS RECORDERS - LEIPOLD & STEVENS INC. REAVERTON, OREGON, U.S.A.



01FT 01FT 01FT 01FT 01FT

LOWER SLOP STA. 1035 STRIP CHART USED TO
CALCULATE FLOWS AT STA 60 AND WEEKLY STA 60
REPORT, FLOWS ABOUT AND 660 REPORT.

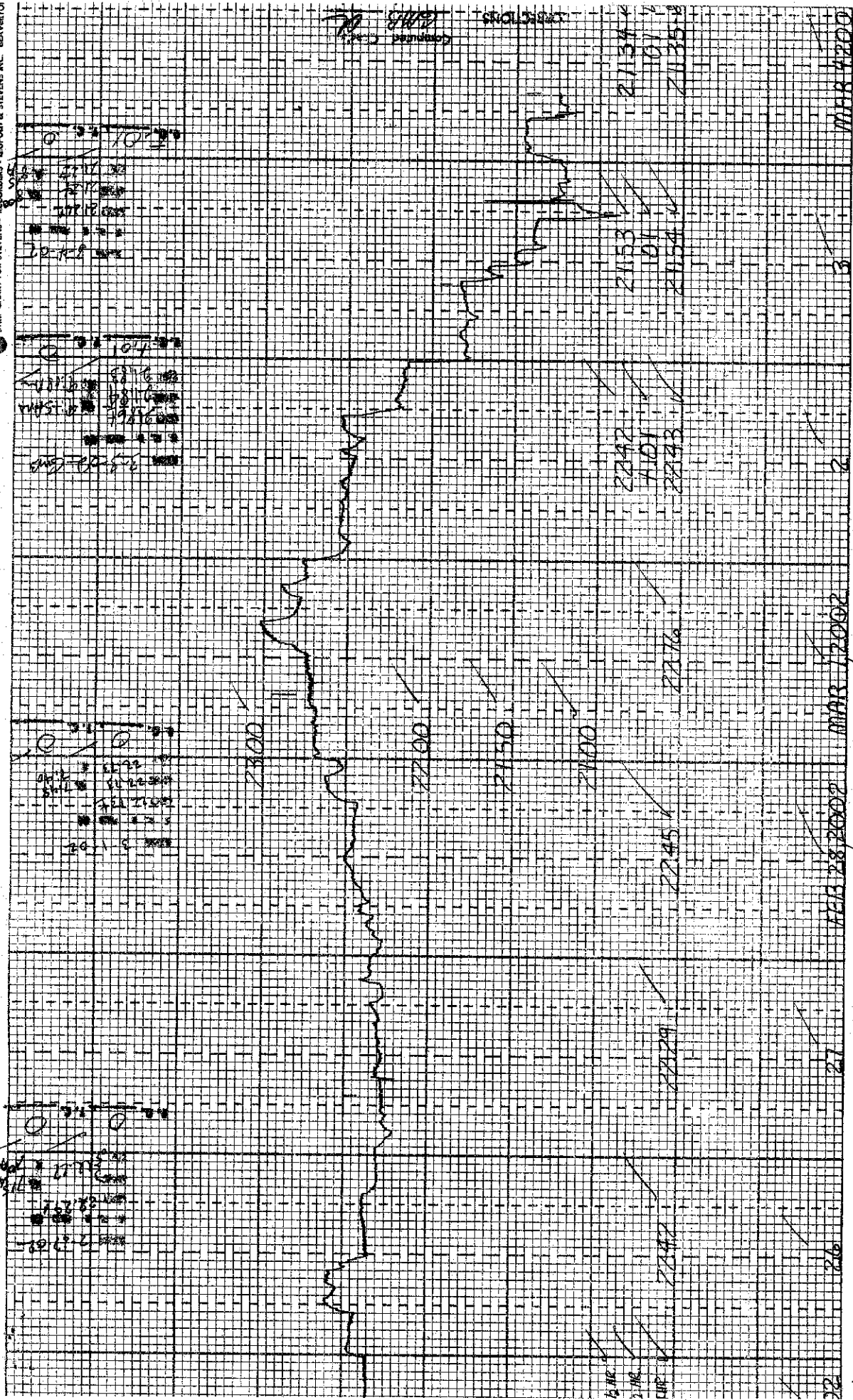
INTERCEPT DRAINS FIELD NOTES
USED TO DETERMINE RETURN TO RIVER
FOR USGS. 6 DRAINS METERED TWICE
A MONTH.



PK FOND STRIP CHART USED TO CALC. FLOWS FOR
1117 REPORT, PK HP REPORT. AND RETURN TO RIVER.
FLOWS REPORTED TO USBR, USGS, MEXICO, IBWE.



STA 60 STEEP CHART USED TO CALC. FLOWS
FOR WEEKLY STA 60 REPORT. FLOWS REPORTED TO
11A, USGS, USBR, IBWC. DATA USED IN
660 REPORT.



PILOT KNOBS DAILY LOG SHEET. DATA USED TO CALC
FLOWS FOR RETURN TO RIVER REPORT, 1117 REPORT
DATA REPORTED TO IIA, USBR, USGS, IAWC.

IMPERIAL IRRIGATION DISTRICT DAILY WATER LOG - PILOT KNOB RIVER DIVISION - ALL-AMERICAN CANAL SECTION

Date 3-1-02

RESULTS OF METERING	M Y D R E T U R N F L O W T O R I V E R										C H E C K			CHANGES AND REMARKS FOR CHECK, (RECORD EXACT TIME OF ALL ORDER AND GATE CHANGES)		
	FLOW INTEGRATOR READINGS		FLOW INDICATOR READINGS		M O C K E T G A T E O P E N I N G %		T A I L W A T E R L E V E L		G A T E O P E N I N G S		TOTAL FLOW TO RIVER	POND ELEV.	G. O. ORDER		DROP IN POND STA. ELEV.	
	UNIT 1	UNIT 2	UNIT 1	UNIT 2	UNIT 1	UNIT 2	UNIT 1	UNIT 2	UNIT 1	UNIT 2	H.M.	7. BATER	STA. GAUGE			
STA. 60	47		47		46	46	106.05				1900	162.27	5012	164.06	161.83	1 1/2" PART UP, +.95 CHECK GATES
GAUGE					46	46	106.03				1900	167.26	4936	164.01	161.80	1 1/2" PART UP, +.95 CHECK GATES
DISCHARGE					46	46	106.08				1900	167.25	5107	164.04	161.74	6" HA - 2.0 FT TRANS - 190 FT OTHER
PLANT FOREBAY					46	46	106.04				1900	167.26	5107	164.05	161.68	6" HA - 4.0 TO CHECK GATES
GAUGE					46	46	106.06				1900	167.26	5121	164.03	161.60	7" HA - 15 FT. TRANS. + 15 FT. OTHER
DISCHARGE					46	46	106.10				1900	167.29	5162	164.01	161.58	8" HA - 150 TO CHECK GATES
STA. 117					46	46	106.06				1900	167.26	5139	164.01	161.39	1" P + 15 FT. TRANS. - 15 FT. OTHER
GAUGE					46	46	106.06				1900	167.25	5106	163.97	161.71	1 1/2" HA - 40 TO CHECK GATES
DISCHARGE					46	46	106.07				1900	167.25	5151	163.87	161.78	2" P - 115 FT. TRANS. + 115 FT. OTHER
GAUGE					46	46	106.05				1900	167.26	5205	163.81	161.72	7" P - 65 TO CHECK GATES
DISCHARGE					46	46	106.04				1900	167.29	5155	163.76	161.02	8" P - 50 TO CHECK GATES
STA. 117					46	46	106.01				1900	167.25	5189	163.72	160.99	9" P - 50 TO CHECK GATES
GAUGE					46	46	106.03				1900	167.25	5183	163.68	160.88	9" P - 10 FT TRANS - 10 FT OTHER
DISCHARGE					46	46	106.04				1900	167.24	5125	163.63	160.78	10" P - 1.30 TO CHECK GATES
STA. 117					46	46	101.02				1900	167.24	5181	163.55	160.63	10" P - 50 FT OTHER
GAUGE					46	46	101.01				1900	167.28	5229	163.52	160.49	
DISCHARGE					46	46	106.00				1900	167.28	5238	163.51	160.43	
STA. 117					46	46	106.06				1900	167.30	5270	163.48	160.36	
GAUGE					46	46	106.06				1900	167.25	5256	163.45	160.32	
DISCHARGE					46	46	106.06				1900	167.25	5171	163.35	160.29	
STA. 117					46	46	106.10				1900	167.27	5107	163.27	160.28	
GAUGE					46	46	106.01				1900	167.32	5070	163.19	160.24	
DISCHARGE					46	46	106.01				1850	167.24	5136	163.22	160.17	
STA. 117					46	46	106.05				1874	167.72	5141	163.19	160.06	
GAUGE					46.9	46.9	106.05						22.33			

Shift _____ Operator _____ Auxiliary Operator _____
12:00 M - 8:00 A
8:00 A - 4:00 P

NOTE: Gauge readings and gate openings are in feet. Flows are in cubic feet per second. Time is PST or POST, whichever is applicable.

RECAPITULATION SHEET USED TO CHECK OPERATION
OF DELIVERIES AND PERCENTAGES OF 1117 FLOWS
FOR IID AND CUSD AND WATER ARRIVING AT DAM

MONTH: JANUARY YEAR: 2002

IMPERIAL IRRIGATION DISTRICT
RECAPITULATION SHEET
 RIVER DIVISION - ALL AMERICAN CANAL - SECTION

DAY	TIME	RIVER				DIVERSIONS										PILOT				DROP ONE				CHANGES		
		IMPERIAL DAM		FLOW		ALL-AMERICAN CANAL										HYDRO-PLANT		CHECK		STATION 117		LOSS			DROP ONE	
		LAKE ELEVATION	FLOW ABOVE	FLOW BELOW	REL'D	GLA STA 30	STA 60	YUMA	SPILL	FEED	TOTAL #1	IND. #2	POND	G.D.	DRIER	GAUGE	60-107	POND	ORDER	CDACH						
MON	7:49	180.76	30.5	30.5	30.5	900	4150	2200	280	580	0	1290	0	1290	0	38	1243	167.24	9.40	3970	161.72	161.72	2150	300	+640 @ 1 P.M.C	
TUE	7:30	180.72	30.5	30.5	30.5	700	4150	2200	300	600	0	1350	0	1350	0	38	1243	167.24	10.50	3970	161.72	161.72	2150	300	+200 @ 1 P.M.C	
WED	6:47	180.71	30.5	30.5	30.5	900	4150	2200	280	580	0	1290	0	1290	0	38	1243	167.24	9.40	3970	161.72	161.72	2150	300	+300 @ 1 A + 110 P.M.C	
THU	4:47	180.71	30.5	30.5	30.5	900	4150	2200	280	580	0	1290	0	1290	0	38	1243	167.24	9.40	3970	161.72	161.72	2150	300	-6.5 @ 1 P.M.C	
FRI	2:17	180.71	30.5	30.5	30.5	900	4150	2200	280	580	0	1290	0	1290	0	38	1243	167.24	9.40	3970	161.72	161.72	2150	300	-0.20	
SAT	2:16	180.71	30.5	30.5	30.5	900	4150	2200	280	580	0	1290	0	1290	0	38	1243	167.24	9.40	3970	161.72	161.72	2150	300	-6.5 @ 1 A + 110 P.M.C	
SUN	7:49	180.71	30.5	30.5	30.5	900	4150	2200	280	580	0	1290	0	1290	0	38	1243	167.24	9.40	3970	161.72	161.72	2150	300	-600 @ 1 A + 200 P.M.C	

DAILY LOG

RECORD OF HOURLY FLOWS, GAUGE HEIGHTS
OF IMPERIAL DAM. ALSO ON
SPREAD COMPUTOR SPREAD SHEET.

HD-251 (R3 7-96) - P.M. CANAL CHANGES

AAC HOLTVILLE				AAC SOUTHWEST				BRIAR				ROSITAS																			
✓	Time	Unit	Canal and Change	12 Hr.	Dis.	Time	✓	Time	Unit	Canal and Change	12 Hr.	Dis.	Time	✓	Time	Unit	Canal and Change	12 Hr.	Dis.	Time											
																EHL HOLTVILLE															
																EHL NORTH UPPER				EHL NORTH LOWER											
																				VAIL											
																								WSM NORTHEND							
																								WSM SOUTHWEST							
																CM NORTHEND															
																CM SOUTHWEST															

ALL AMERICAN CANAL SYSTEM

11D-261 (R3 4-01) - REMOTE CONTROL LOG

Time	Drop 1			Coachella			E.H.L. Check			Allison			Central Main			New River Check			Wistaria			Westside Main Check										
	Pond	G.O.	Order	Flow	BCW	Flow	G.O.	Pond	Flow	G.O.	Pond	G.O.	Order	Flow	G.O.	Pond	Flow	G.O.	Pond	Spill	G.O.	Pond	Flow	G.O.	Order	Flow	G.O.	Order	Flow	G.O.		
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Pond	G.O.	Order	Flow	BCW	Flow	G.O.	Pond	Flow	G.O.	Pond	G.O.	Order	Flow	G.O.	Pond	Flow	G.O.	Pond	Spill	G.O.	Pond	Flow	G.O.	Order	Flow	G.O.	Order	Flow	G.O.			

Graveyard	Days	Swing	Supervisor
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Date _____

UPPER EAST HIGHLINE CANAL

Time	East Highline Turnout			EHL Check #1			Check 11			Orchid			Oak			Myrtle			Standard			Nectarine			Time		
	Order	Plant	Turnout	Flow	G.O.	Pond	D.S.	G.O.	Pond	G.O.	Pond	G.O.	Pond	G.O.	Pond	G.O.	Pond	G.O.	Pond	G.O.	Pond	G.O.	Pond	G.O.		Flow	G.O.
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LOWER EAST HIGHLINE CANAL

Time	E Check		H Check		J Check		K Check		N Check		Flowing Wells		Check 37		Check 46		W Check		Galleano Reservoir				Lateral Z		Midland Ext		Z Spill	Time							
	Pond	Flow	Pond	Flow	Pond	Flow	Pond	Flow	Pond	Flow	Pond	Flow	Pond	Flow	Pond	Flow	Pond	Flow	Z Pond	Elevation	Inlet	Outlet	A.F.	Order	Flow	Order			Flow	Flow	Flow	Flow			
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CENTRAL MAIN CANAL

Time	Central Main Turnout		Briar		Double Weir		Dahlia Check			Newsides Check		Dandelion Hdq		No. 4		Lavender Hdq		Fudge Reservoir		Rockwood Pond			
	Order	Flow	Pond	Spill	Flow	Spill	Flow	G.O.	Spill	Pond	G.O.	Order	G.O.	Order	G.O.	Pond	G.O.	Elevation	Inlet	Outlet	Flow	Time	
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Staff	
Time	

Date _____

ROSITAS CANAL SYSTEM

Time	Rositas Head			Station	Flow	Pond	Spierber Reservoir			Rose Weir			Rubber Weir			Rose Hdg.			Rubber Hdg.			Redwood Hdg.			Bevins Reservoir					Time		
	Pond	G.O.	75				Elevation	Inlet	Spill	Order	Flow	G.O.	Order	Flow	G.O.	Order	Flow	G.O.	Order	Flow	G.O.	Pond	Elevation	Weir	Outlet	A.F.	Spill					
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LATERALS

Time	EHL Sidemain		Hemlock		Holt		So. Alamo		Wistaria		Wormwood		Walnut		Alder		Acacia		Orange		Flow		
	Order	G.O.	Order	G.O.	Order	G.O.	Order	G.O.	Order	G.O.	Order	G.O.	Order	G.O.	Order	G.O.	Order	G.O.	Order	G.O.	Order	G.O.	
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Staff	
Time	

Date _____

VAIL SYSTEM

Time	Singh Reservoir		Vail Heading			Nectarine A		Young Reservoir			Check 40A		Drop 41		NED		NED Spill		Russell Reservoir			Vail Main		Vail 3		Wiley Reservoir		Wiley Spill					
	Elevation	Inlet	Order	Drop 0	Drop 1	Drop 2	G.O.	Pond	Flow	Elevation	Inlet	Outlet	A.F.	Pond	Flow	Order	Flow	Pond	Flow	Elevation	Inlet	Outlet	A.F.	Order	Flow	Pond	Elevation	Inlet	Outlet	A.F.	Time		
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Elevation	Inlet	Outlet	Drop 0	Drop 1	Drop 2	G.O.	Pond	Flow	Elevation	Inlet	Outlet	A.F.	Pond	Flow	Order	Flow	Pond	Flow	Elevation	Inlet	Outlet	A.F.	Order	Flow	Pond	Elevation	Inlet	Outlet	A.F.	Staff	Time		

Date _____

LOWER WSM SYSTEM

Time	WSM 60		WSM 65		Tamarack		WSM 67		Trif 1		Trif 2		Trif 4		Trif 5		Trif 6		Trif 9		Trif 10		WSM 93		Trif 14		Trif 16		WSM 99			
	Pond	Flow	Pond	Flow	Pond	Flow	Pond	Flow	Pond	Flow	Pond	Flow	Pond	Flow	Pond	Flow	Pond	Flow	Pond	Flow	Pond	Flow	Pond	Flow	Pond	Flow	Pond	Flow	Pond	Flow		
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