



State of Idaho

DEPARTMENT OF WATER RESOURCES

322 East Front Street, P.O. Box 83720, Boise, ID 83720-0098

Phone: (208) 287-4800 Fax: (208) 287-6700 Web Site: www.idwr.idaho.gov.

DIRK KEMPTHORNE
Governor

KARL J. DREHER
Director

May 11, 2006

YOUNG HARVEY WALKER
RT 1 BOX 200
ARCO, ID 83213

Re: Water Diversion Graphs

Harvey,

You had asked for copies of the charts used during the May 4, 2006 meeting. The graphs for 2003, 2004, and 2005 are attached. I have also provided tables of the data used to generate the graphs.

The attached graphs and tabular data were generated using queries of the IDWR Enterprise database on May 3, 2006. These data were entered by WD34 via an internet application developed by IDWR and represent total canal diversions from the river or stream. The gray area indicates the period of time where the Big Lost River is administered as a connected river as described in General Provision 6. The thin blue line depicts the flow at the Howell Gage. The green line is an estimate of the inflow to Mackay Reservoir, calculated using the daily change in storage and the reservoir outflow. The yellow line is the sum of the canal headings below the reservoir. The thick blue line is the sum of the canal headings above the reservoir. I have attached a table of the diversions for which WD34 submits diversion data to IDWR and indicated whether each diversion was included in the totals for above and below reservoir diversions.

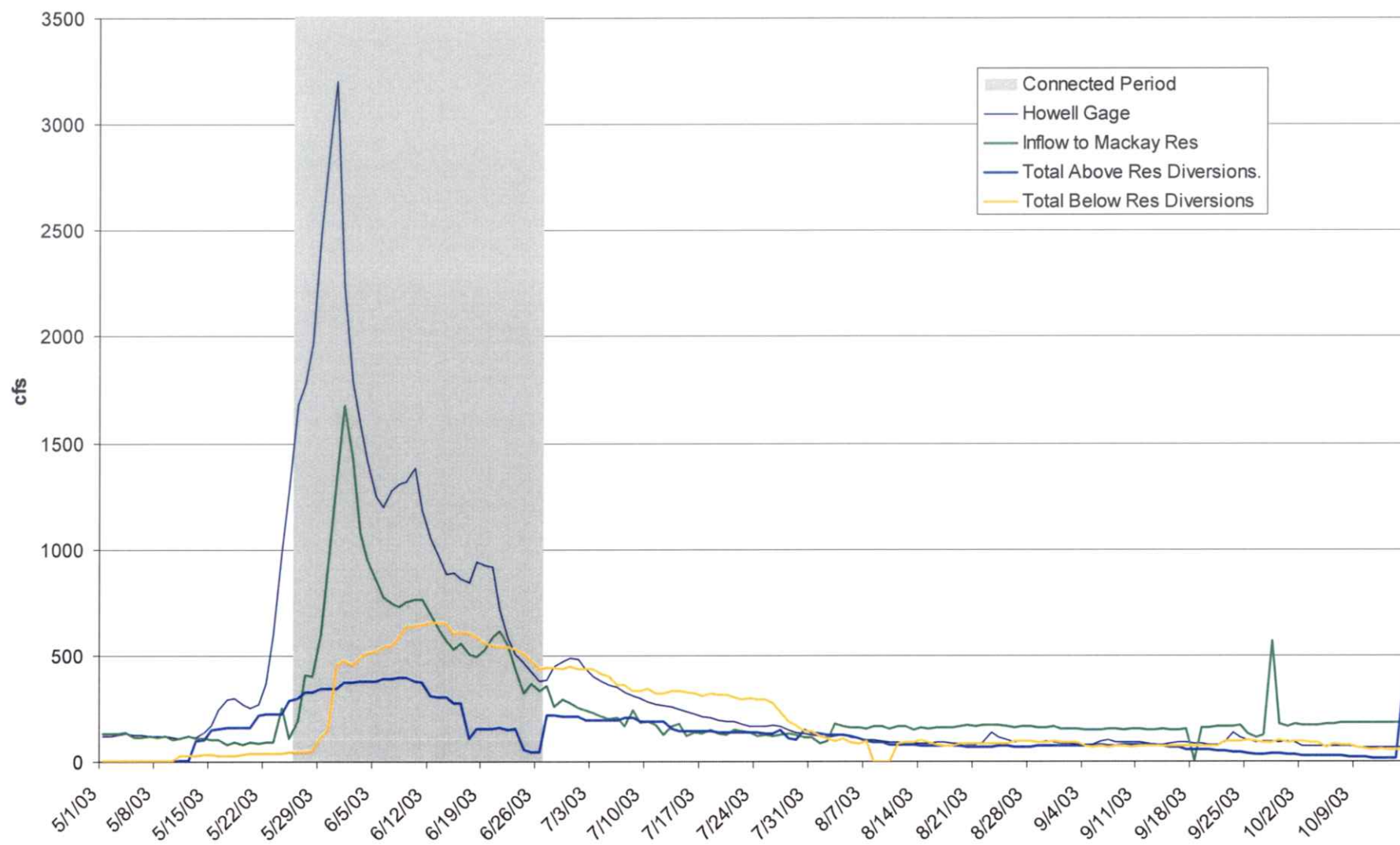
Please call if you have questions.

Sincerely,

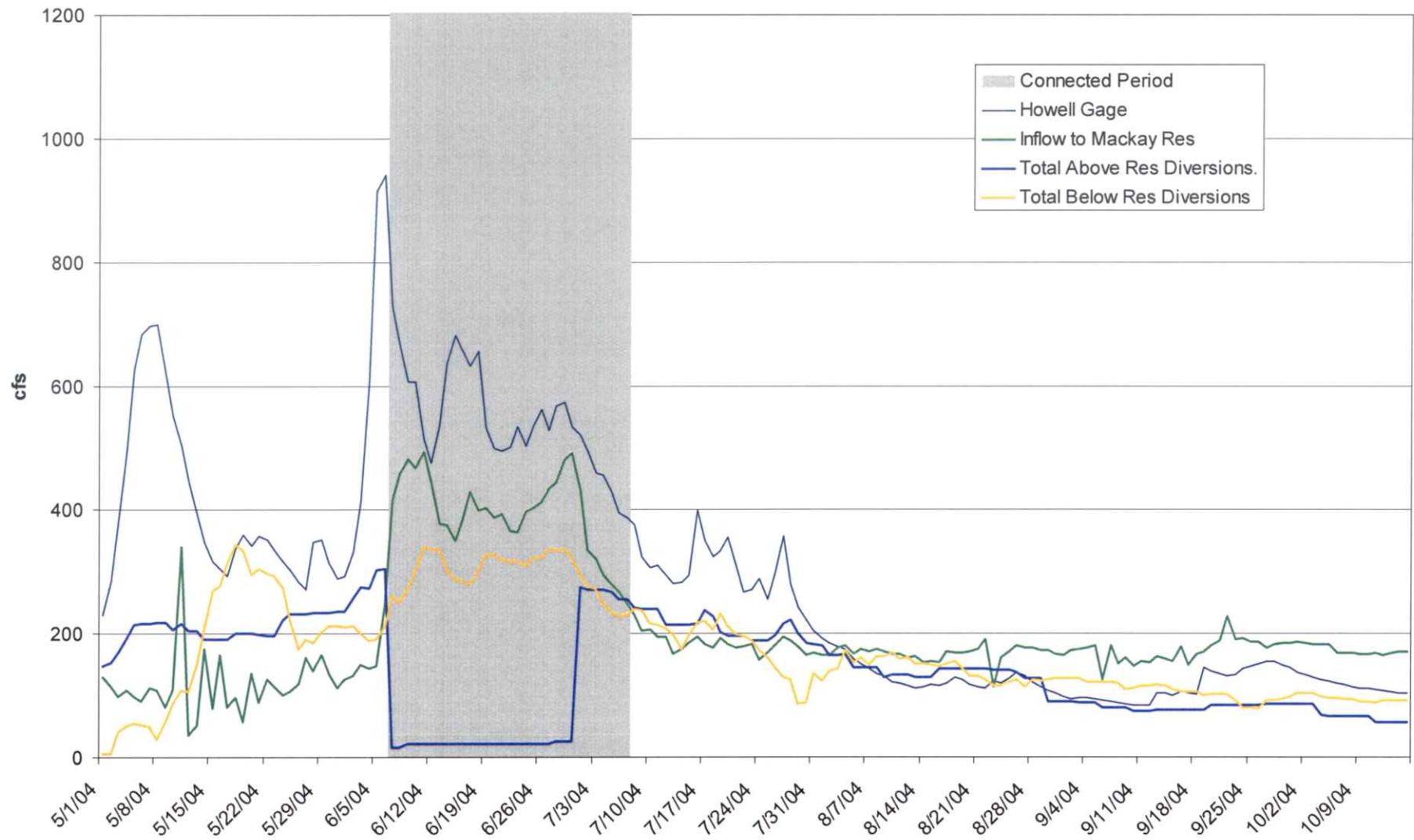
Nick Miller
Water Distribution Section

N:\Water Districts by Basin\Basin 34\WD 34\Correspondence\2006\051106_Walker.doc

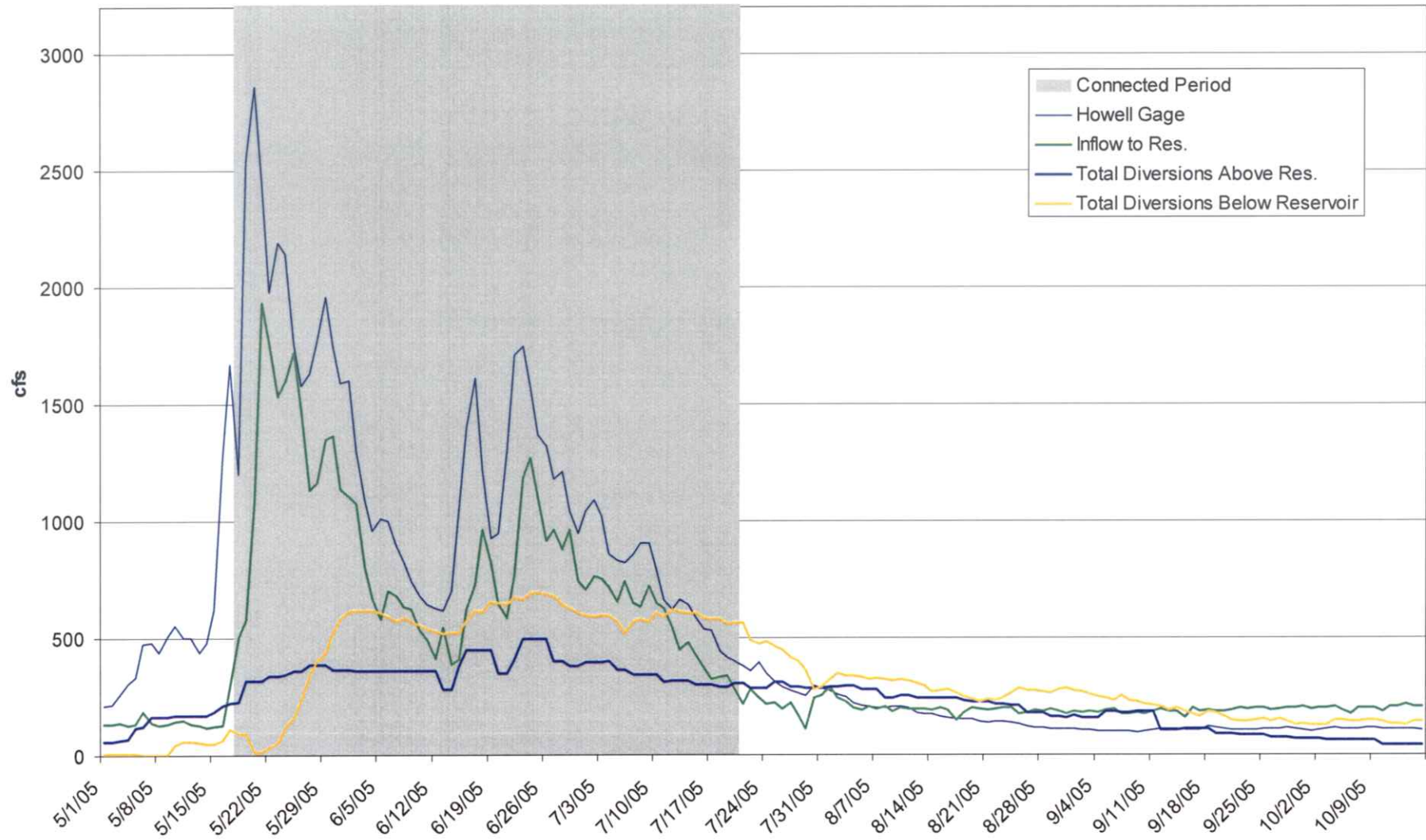
2003 WD34 Diversions



2004 WD34 Diversions



2005 WD34 Diversions



Diversions and Gaging Stations in IDWR Database

Generally sorted by stream location with upstream diversions near the top
(note that data may not be entered for all diversions)

HydrologyID	WaterDistrictNumber	DiversiionType	DiversionName	Included in Totals on Charts
13120480	34	Diversion	Sorensen	Above Reservoir Diversions
13120490	34	Diversion	HOWELL	Above Reservoir Diversions
13120500	34	Gage Flow	BIG LOST AT HOWELL GAGE	No - Used as River Flow
13120605	34	Diversion	KENT	Above Reservoir Diversions
13120705	34	Diversion	BRADSHAW	Above Reservoir Diversions
13120735	34	Diversion	BITTON	Above Reservoir Diversions
13120745	34	Diversion	Anderson	Above Reservoir Diversions
13120755	34	Diversion	Thalman Hunter Ditch	Above Reservoir Diversions
13120765	34	Diversion	Johnson/Hatmaker	Above Reservoir Diversions
13120805	34	Diversion	NEILSEN	Above Reservoir Diversions
13120905	34	Diversion	Bradshaw 2	Above Reservoir Diversions
13121105	34	Diversion	CHILLY	Above Reservoir Diversions
13121200	34	Diversion	INGRAM	Above Reservoir Diversions
13121405	34	Diversion	Cherian	Above Reservoir Diversions
13121502	34	Diversion	Pritchett (not active)	Above Reservoir Diversions
13121505	34	Diversion	LONGHURST	Above Reservoir Diversions
13122205	34	Diversion	Mountain Springs Ranch 3	Above Reservoir Diversions
13122230	34	Diversion	Donahue 1	Above Reservoir Diversions
13122245	34	Diversion	Zollinger 1	Above Reservoir Diversions
13122400	34	Diversion	Zollinger 3	Above Reservoir Diversions
13122500	34	Diversion	Pence Diversion	Above Reservoir Diversions
13122550	34	Gage Flow	Pence Bridge	No
13122605	34	Diversion	Unger	Above Reservoir Diversions
13122805	34	Diversion	6X Ranch 1	Above Reservoir Diversions
13122920	34	Diversion	Mountain Springs Ranch 1	Above Reservoir Diversions
13122925	34	Diversion	Mountain Springs Ranch 4	Above Reservoir Diversions
13122930	34	Diversion	Mountain Springs Ranch 2	Above Reservoir Diversions
13122950	34	Diversion	Donahue 2	Above Reservoir Diversions
13122960	34	Diversion	Simmons	Above Reservoir Diversions
13122965	34	Diversion	Donahue 4	Above Reservoir Diversions
13122970	34	Diversion	Donahue 3	Above Reservoir Diversions
13122990	34	Diversion	Zollinger 2	Above Reservoir Diversions
13123000	34	Gage Flow	Donahue Bridge	No
13123020	34	Diversion	Zollinger/No Tellum	Above Reservoir Diversions
13123040	34	Diversion	Chum Dasher Ranch	Above Reservoir Diversions
13123060	34	Diversion	No Tellum 1	Above Reservoir Diversions
13123070	34	Diversion	No Tellum 2	Above Reservoir Diversions
13123090	34	Diversion	No Tellum 3	Above Reservoir Diversions
13123110	34	Diversion	Gates/Woods 1	Above Reservoir Diversions
13123130	34	Diversion	Gates/Woods 2	Above Reservoir Diversions
13123155	34	Diversion	No Tellum 4	Above Reservoir Diversions
13123160	34	Diversion	No Tellum 5	Above Reservoir Diversions
13123170	34	Diversion	Gates/Woods/6X Ranch	Above Reservoir Diversions
13124040	34	Diversion	Smith Pumps	Above Reservoir Diversions
13124045	34	Exchange Pump	Neilsen injection to Warm Springs Creek	No
13124048	34	Diversion	Freeman/Kent	Above Reservoir Diversions
13124050	34	Diversion	Broken River Pumps	Above Reservoir Diversions
13124060	34	Diversion	Broken River Ditch	Above Reservoir Diversions
13124070	34	Diversion	Freeman 2	Above Reservoir Diversions
13124075	34	Diversion	Freeman 3	Above Reservoir Diversions
13124080	34	Diversion	Freeman/Hill Pump	Above Reservoir Diversions
13124085	34	Diversion	6X Ranch 5	Above Reservoir Diversions
13124090	34	Diversion	Johnson/Navarro Ditch	Above Reservoir Diversions
13124100	34	Diversion	6X Ranch 6	Above Reservoir Diversions
13124105	34	Diversion	Harris (not active)	Above Reservoir Diversions
13124130	34	Diversion	Stoecklein 3	Above Reservoir Diversions
13124160	34	Diversion	Upper Fish Hatchery Canal	Above Reservoir Diversions
13124165	34	Diversion	Freeman Ditch	Above Reservoir Diversions
13124173	34	Diversion	Stoecklein 1	Above Reservoir Diversions
13124175	34	Diversion	Stoecklein 2	Above Reservoir Diversions
13124180	34	Diversion	Stoecklein 4	Above Reservoir Diversions
13124195	34	Diversion	Shoupe Ditch	Above Reservoir Diversions
13124305	34	Diversion	Gates Pump 1	Above Reservoir Diversions
13124340	34	Diversion	Gates Pump 2	Above Reservoir Diversions
13124355	34	Diversion	6X Ranch Pump	Above Reservoir Diversions
13124357	34	Diversion	6X Ranch Navarre	Above Reservoir Diversions
13124430	34	Diversion	Gates/Woods 3	Above Reservoir Diversions

Diversions and Gaging Stations in IDWR Database

Generally sorted by stream location with upstream diversions near the top
(note that data may not be entered for all diversions)

HydrologyID	WaterDistrictNumber	DiversionsVersionType	DiversionsName	Included in Totals on Charts
13124450	34	Diversions	6X Ranch 3	Above Reservoir Diversions
13124460	34	Diversions	6X Ranch 4	Above Reservoir Diversions
13126000	34	Reservoir Storage (AF)	MACKAY DAM	No
13126500	34	Diversions	SHARP	Below Reservoir Diversions
13127000	34	Gage Flow	BIG LOST BLW MACKAY RES	No
13127500	34	Diversions	STREETER	Below Reservoir Diversions
13127600	34	Diversions	SWAUGER	Below Reservoir Diversions
13127610	34	Diversions	MARINAC	Below Reservoir Diversions
13127735	34	Diversions	DARLINGTON	Below Reservoir Diversions
13127750	34	Diversions	BURNETT	Below Reservoir Diversions
13127755	34	Exchange Pump	O SMITH EXCHANGE PUMP	No
13127760	34	Exchange Pump	L SMITH EXCHANGE PUMP	No
13127765	34	Exchange Pump	MANDERSON EXCHANGE PUMP	No
13127770	34	Diversions	RAINBOW PUMP	Below Reservoir Diversions
13127800	34	Diversions	VANOUS	Below Reservoir Diversions
13128105	34	Diversions	SUTTER	Below Reservoir Diversions
13129005	34	Diversions	ANGELO	Below Reservoir Diversions
13130500	34	Gage Flow	BIG LOST AT LESLIE	Below Reservoir Diversions
13130525	34	Diversions	BECK	Below Reservoir Diversions
13130550	34	Diversions	LOW BURNETT	Below Reservoir Diversions
13130605	34	Diversions	3IN1	Below Reservoir Diversions
13130700	34	Diversions	B&J	Below Reservoir Diversions
13132050	34	Diversions	MOORE	Below Reservoir Diversions
13132060	34	Diversions	EASTSIDE	Below Reservoir Diversions
13132100	34	Gage Flow	BIG LOST BLW MOORE CNL	No
13132130	34	Exchange Pump	FOLKMAN EXCHANGE PUMP	No
13132140	34	Exchange Pump	JACOBSEN EXCHANGE PUMP	No
13132160	34	Exchange Pump	JENSEN EXCHANGE PUMP	No
13132190	34	Exchange Pump	ISOM 1 EXCHANGE PUMP	No
13132195	34	Exchange Pump	PARKINSON EXCHANGE PUMP	No
13132250	34	Exchange Pump	TOONE EXCHANGE PUMP	No
13132270	34	Exchange Pump	ISOM 2 EXCHANGE PUMP	No
13132280	34	Exchange Pump	QUIST EXCHANGE PUMP	No
13132305	34	Exchange Pump	SCHUREMAN EXCHANGE PUMP	No
13132310	34	Exchange Pump	RASMUSSEN EXCHANGE PUMP	No
13132350	34	Gage Flow	EASTSIDE OUT	No
13132365	34	Diversions	ARCO	Below Reservoir Diversions
13132375	34	Diversions	MUNSEY	Below Reservoir Diversions
13132390	34	Gage Flow	BIG LOST BLW ARCO CNL	No
13132400	34	Diversions	MILLER	Below Reservoir Diversions
13132410	34	Diversions	MCLAUGHLIN	Below Reservoir Diversions
13132430	34	Diversions	FOLKMAN PUMP	Below Reservoir Diversions
13132440	34	Diversions	HUGGINS PUMP	Below Reservoir Diversions
13132450	34	Diversions	QUIST PUMP #1	Below Reservoir Diversions
13132500	34	Gage Flow	BIG LOST NR ARCO	No
13132600	34	Diversions	QUIST PUMP #2	Below Reservoir Diversions

2005 WD34 Diversions

Date	Howell Gage	Connected	Inflow to Res	Total Above Diversion	Total of Below Diversions
	cfs		cfs	cfs	cfs
5/1/05	212	No	130	56.5	4
5/2/05	216	No	130.2	56.5	6.4
5/3/05	256	No	135.2	64.3	6.4
5/4/05	304	No	125.2	70.2	6.4
5/5/05	334	No	131.2	113.8	6.4
5/6/05	476	No	182.5	120	2
5/7/05	481	No	138.0	164.6	0
5/8/05	436	No	126.9	165.5	0
5/9/05	503	No	129.9	165.5	0
5/10/05	552	No	140.2	168.7	40
5/11/05	500	No	147.2	168.7	58.08
5/12/05	501	No	131.2	168.7	59.12
5/13/05	435	No	124.2	168.7	53.1
5/14/05	477	No	116.1	168.7	46.86
5/15/05	619	No	120.8	185.4	47.54
5/16/05	1270	No	124.2	210.7	61.12
5/17/05	1670	No	295.6	223.3	110.12
5/18/05	1200	Yes	502.3	225.5	90
5/19/05	2540	Yes	575.9	317.8	90.12
5/20/05	2860	Yes	1083.5	315.8	12.5
5/21/05	2440	Yes	1929.4	315.8	10.9
5/22/05	1980	Yes	1755.4	334.3	31.4
5/23/05	2190	Yes	1529.2	338.3	48.64
5/24/05	2140	Yes	1594.2	341.9	114.74
5/25/05	1760	Yes	1722.1	356.9	155.38
5/26/05	1580	Yes	1475.4	356.9	232.98
5/27/05	1630	Yes	1131.5	384.8	339.62
5/28/05	1770	Yes	1165.2	384.8	399.1
5/29/05	1960	Yes	1345.5	384.8	437.74
5/30/05	1750	Yes	1364.9	365.4	520.58
5/31/05	1590	Yes	1139.3	363.9	581.46
6/1/05	1600	Yes	1104.5	363.9	612.94
6/2/05	1300	Yes	1074.8	356.6	613.62
6/3/05	1090	Yes	800.9	356.6	613.78
6/4/05	957	Yes	669.1	356.6	617.22
6/5/05	1010	Yes	578.3	356.6	606.32
6/6/05	1000	Yes	700.6	357.5	590.7
6/7/05	897	Yes	677.8	357.5	568.72
6/8/05	825	Yes	633.6	357.5	583.76
6/9/05	741	Yes	623.3	357.5	567.34
6/10/05	678	Yes	531.8	357.5	552.1
6/11/05	642	Yes	491.7	357.5	536.24
6/12/05	626	Yes	412.5	357.5	526.02
6/13/05	615	Yes	539.6	276.4	514.6
6/14/05	700	Yes	385.0	276.4	518.86
6/15/05	1060	Yes	403.9	377.4	522.06
6/16/05	1400	Yes	621.9	445.2	573.44
6/17/05	1610	Yes	728.0	445.2	618.36
6/18/05	1210	Yes	964.3	445.2	610.92
6/19/05	924	Yes	820.1	445.2	650.4

2005 WD34 Diversions

Date	Howell Gage	Connected	Inflow to Res	Total Above Diversion	Total of Below Diversions
	cfs		cfs	cfs	cfs
6/20/05	946	Yes	641.7	345.9	647.4
6/21/05	1300	Yes	583.3	345.9	642.44
6/22/05	1710	Yes	765.1	406	673.72
6/23/05	1750	Yes	1184.0	493	662.8
6/24/05	1570	Yes	1268.9	493	688.58
6/25/05	1370	Yes	1107.5	493	692.92
6/26/05	1320	Yes	914.3	493	683.4
6/27/05	1180	Yes	965.1	400.7	681.1
6/28/05	1210	Yes	876.6	400.7	640.22
6/29/05	1040	Yes	964.6	379.6	624.8
6/30/05	948	Yes	744.2	379.6	605.72
7/1/05	1040	Yes	704.4	397.1	594.88
7/2/05	1090	Yes	761.1	397.1	590.26
7/3/05	1020	Yes	751.0	397.1	595.48
7/4/05	856	Yes	716.8	398.6	593.74
7/5/05	829	Yes	651.4	362.5	566.5
7/6/05	822	Yes	743.8	362.5	517.92
7/7/05	857	Yes	646.6	342	569.72
7/8/05	907	Yes	631.4	342	576.56
7/9/05	907	Yes	723.6	342	569.02
7/10/05	787	Yes	646.5	342	603.74
7/11/05	665	Yes	628.2	312.5	589.82
7/12/05	619	Yes	543.5	314.5	621.5
7/13/05	663	Yes	445.7	314.6	612.34
7/14/05	643	Yes	477.9	314.6	605.68
7/15/05	591	Yes	427.6	301.6	602.7
7/16/05	539	Yes	366.7	301.6	586.56
7/17/05	530	Yes	323.6	301.6	578.08
7/18/05	443	Yes	331.9	289	579.18
7/19/05	414	Yes	336.3	289	559.44
7/20/05	398	Yes	279.7	303.8	561.94
7/21/05	379	No	215.7	303.8	560.56
7/22/05	357	No	277.8	283.3	491.02
7/23/05	394	No	240.6	283.3	475.64
7/24/05	346	No	216.6	283.3	483.9
7/25/05	312	No	221.8	308.7	461.62
7/26/05	287	No	195.6	308.7	445.12
7/27/05	273	No	222.1	289.2	413.52
7/28/05	262	No	169.8	289.8	400.92
7/29/05	254	No	109.1	286.2	365.58
7/30/05	293	No	244.6	286.2	277.3
7/31/05	285	No	254.2	286.2	289.4
8/1/05	273	No	289.2	290.9	320.84
8/2/05	257	No	239.7	290.9	346.26
8/3/05	245	No	227.6	295.3	337.8
8/4/05	223	No	198.4	295.3	337.96
8/5/05	209	No	188.4	280.5	333.44
8/6/05	203	No	205.6	280.5	321.96
8/7/05	201	No	193.5	280.5	326.72
8/8/05	201	No	206.5	243.5	321.8

2005 WD34 Diversions

Date	Howell Gage	Connected	Inflow to Res	Total Above Diversion	Total of Below Diversions
	cfs		cfs	cfs	cfs
8/9/05	204	No	184.3	243.5	315.08
8/10/05	204	No	198.6	250.9	322.4
8/11/05	198	No	194.7	250.9	315.2
8/12/05	181	No	196.9	243.9	307.7
8/13/05	174	No	197.0	243.9	293.62
8/14/05	172	No	191.0	243.9	270.78
8/15/05	164	No	198.1	242.3	275.18
8/16/05	157	No	187.4	242.3	279.84
8/17/05	155	No	147.3	239.5	262.98
8/18/05	154	No	178.7	231.1	248.38
8/19/05	152	No	200.9	224.1	235.84
8/20/05	144	No	193.1	224.1	227.66
8/21/05	138	No	187.0	224.1	237.98
8/22/05	140	No	195.1	218.3	234
8/23/05	143	No	200.9	218.3	240.88
8/24/05	135	No	201.7	209	261.68
8/25/05	129	No	174.9	209	283.96
8/26/05	122	No	177.0	176.4	273.92
8/27/05	118	No	189.1	176.4	275.22
8/28/05	115	No	185.1	176.4	266.5
8/29/05	112	No	193.2	163.2	263.44
8/30/05	111	No	183.1	163.2	276.84
8/31/05	112	No	174.0	160	282.62
9/1/05	111	No	184.4	167	274.62
9/2/05	107	No	180.6	159	266.78
9/3/05	104	No	186.7	159	256.74
9/4/05	102	No	180.7	159	248.24
9/5/05	101	No	188.8	181.6	243.97
9/6/05	102	No	192.4	181.6	231.47
9/7/05	100	No	173.2	179.8	250.23
9/8/05	98	No	174.3	179.8	233.73
9/9/05	97	No	176.6	182.5	224.93
9/10/05	100	No	171.8	182.5	215.31
9/11/05	107	No	184.1	182.5	208.63
9/12/05	109	No	196.9	106.7	207.32
9/13/05	109	No	186.0	106.7	188.94
9/14/05	109	No	183.6	106.7	197.62
9/15/05	106	No	157.7	108.7	186.08
9/16/05	104	No	198.7	108.7	173.12
9/17/05	105	No	184.0	108.7	162.24
9/18/05	121	No	190.0	108.7	181.88
9/19/05	117	No	186.6	89.3	180.7
9/20/05	110	No	183.2	89.3	165.42
9/21/05	106	No	189.3	89.3	146.38
9/22/05	107	No	198.2	82.8	143.98
9/23/05	104	No	196.4	82.8	142.24
9/24/05	107	No	198.4	82.8	149.5
9/25/05	113	No	198.4	82.8	152.5
9/26/05	110	No	188.4	72.7	140.04
9/27/05	109	No	195.1	72.7	155.16

2005 WD34 Diversions

Date	Howell Gage	Connected	Inflow to Res	Total Above Diversion	Total of Below Diversions
	cfs		cfs	cfs	cfs
9/28/05	115	No	201.7	72.7	140.44
9/29/05	108	No	198.8	68.7	125.38
9/30/05	105	No	205.3	68.7	130.7
10/1/05	101	No	196.7	68.7	124.04
10/2/05	107	No	199.2	68.7	124.64
10/3/05	110	No	202.1	61.1	124.64
10/4/05	114	No	207.6	61.1	145.64
10/5/05	110	No	190.9	61.1	149.3
10/6/05	108	No	175.8	64.1	142.3
10/7/05	109	No	199.0	64.1	141.02
10/8/05	116	No	202.6	64.1	146.6
10/9/05	118	No	202.6	64.1	146.6
10/10/05	112	No	183.4	44.2	139.5
10/11/05	111	No	203.1	44.2	129.42
10/12/05	111	No	203.5	44.2	132.24
10/13/05	109	No	215.6	44.2	128.24
10/14/05	108	No	207.0	44.2	142.84
10/15/05	107	No	205.0	44.2	139.84

2004 WD34 Diversions

Date	Howell Gage	Connected	Inflow to Res	Total Above Diversion	Total of Below Diversions
	cfs		cfs	cfs	cfs
5/1/04	230	No	130	147.14	5
5/2/04	285	No	114.2	153.1	6
5/3/04	379	No	98.4	169.1	42.08
5/4/04	495	No	107.4	193.1	50.58
5/5/04	626	No	97.3	213.4	54.84
5/6/04	683	No	90.9	216.4	52.46
5/7/04	698	No	112.9	217	48.6
5/8/04	699	No	108.0	217.24	29.14
5/9/04	620	No	80.7	217.2	56.34
5/10/04	552	No	109.0	205.4	86.86
5/11/04	504	No	339.5	216.8	108.42
5/12/04	446	No	34.6	204.7	106.68
5/13/04	393	No	51.3	204.7	151.2
5/14/04	348	No	174.1	191.2	209.14
5/15/04	316	No	79.2	191.44	270.02
5/16/04	304	No	165.1	191.44	276.68
5/17/04	293	No	81.1	191.2	315.08
5/18/04	338	No	96.4	200.2	343.22
5/19/04	360	No	56.7	200.2	334.36
5/20/04	341	No	135.0	200.2	294.02
5/21/04	357	No	87.9	198.5	304.92
5/22/04	352	No	126.4	196	296.22
5/23/04	334	No	114.4	196.24	293
5/24/04	316	No	100.6	222.74	273.06
5/25/04	303	No	106.0	231.7	220.94
5/26/04	282	No	118.1	231.7	175.62
5/27/04	272	No	160.5	231.7	191.2
5/28/04	348	No	140.3	233.2	184.94
5/29/04	351	No	165.3	233.44	202.5
5/30/04	315	No	135.9	233.44	212.88
5/31/04	289	No	112.7	236.54	212.52
6/1/04	292	No	124.8	236.3	211.06
6/2/04	331	No	131.9	257.3	212.32
6/3/04	413	No	148.7	275.6	200.06
6/4/04	607	No	143.6	273.3	189.28
6/5/04	915	No	147.6	301.94	190.36
6/6/04	941	No	246.8	304.94	209.74
6/7/04	729	Yes	413.6	16.4	261.66
6/8/04	668	Yes	457.6	16.4	248.52
6/9/04	607	Yes	481.5	22.4	271.2
6/10/04	607	Yes	467.8	22.4	300.38
6/11/04	515	Yes	492.0	22.4	339.38
6/12/04	476	Yes	443.1	22.4	335.96
6/13/04	537	Yes	377.6	22.4	334.98
6/14/04	636	Yes	374.8	22.4	302.38
6/15/04	681	Yes	348.8	22.4	286.2
6/16/04	655	Yes	384.1	22.4	284.76
6/17/04	633	Yes	428.3	22.4	278.64
6/18/04	655	Yes	398.8	22.4	300.54
6/19/04	533	Yes	401.9	22.4	325.44
6/20/04	498	Yes	387.3	22.4	328.56
6/21/04	495	Yes	393.7	22.4	317.46
6/22/04	500	Yes	365.5	22.4	315.24

2004 WD34 Diversions

Date	Howell Gage	Connected	Inflow to Res	Total Above Diversion	Total of Below Diversions
	cfs		cfs	cfs	cfs
6/23/04	534	Yes	362.5	22.4	316.98
6/24/04	503	Yes	397.7	22.4	308.98
6/25/04	534	Yes	403.2	22.4	322.12
6/26/04	562	Yes	411.7	22.4	321.86
6/27/04	529	Yes	434.4	22.4	335.18
6/28/04	567	Yes	444.5	26.1	333.76
6/29/04	574	Yes	480.4	26.1	336.34
6/30/04	535	Yes	491.6	26.1	322.92
7/1/04	521	Yes	431.5	275.12	295.1
7/2/04	494	Yes	334.2	270.24	277.36
7/3/04	459	Yes	320.2	270.2	271.28
7/4/04	456	Yes	294.2	270.2	247.4
7/5/04	429	Yes	278.0	266.66	233.76
7/6/04	394	Yes	266.4	254.68	227.76
7/7/04	386	Yes	247.6	254.7	230.04
7/8/04	376	No	228.9	240.7	239.26
7/9/04	324	No	204.8	239.9	237.54
7/10/04	306	No	206.9	239.9	216.42
7/11/04	311	No	194.4	239.9	214.3
7/12/04	295	No	193.5	214.7	208.06
7/13/04	280	No	166.1	214.7	198.5
7/14/04	282	No	174.2	214.7	175.54
7/15/04	295	No	185.2	214.7	197.22
7/16/04	399	No	195.1	216.5	218.04
7/17/04	352	No	183.5	236.9	219.76
7/18/04	324	No	175.9	226.9	206.24
7/19/04	334	No	193.1	202	231.44
7/20/04	355	No	182.1	196.24	211.38
7/21/04	309	No	177.1	196.2	198.46
7/22/04	268	No	178.7	196.2	195.5
7/23/04	271	No	183.3	187.6	189.5
7/24/04	289	No	157.3	187.6	173.12
7/25/04	255	No	168.0	187.6	160.12
7/26/04	296	No	181.3	196.2	146.18
7/27/04	357	No	194.4	216	129.52
7/28/04	278	No	188.9	221	124.72
7/29/04	243	No	178.4	200.7	85.64
7/30/04	221	No	164.8	185	88.24
7/31/04	204	No	168.2	182.2	135.74
8/1/04	192	No	164.8	181.2	123.46
8/2/04	184	No	165.9	165.4	138.92
8/3/04	179	No	176.1	165.4	143.94
8/4/04	174	No	181.1	166.4	172.16
8/5/04	160	No	166.5	146.1	153.26
8/6/04	152	No	175.1	146.1	161.94
8/7/04	144	No	171.6	146.1	149.34
8/8/04	136	No	175.7	146.1	162.3
8/9/04	131	No	171.6	130.2	162.22
8/10/04	122	No	167.1	133.2	169.08
8/11/04	119	No	166.6	133.2	159.79
8/12/04	116	No	161.9	133.2	160.3
8/13/04	112	No	163.9	128.8	151.6
8/14/04	114	No	152.3	128.8	150.9

2004 WD34 Diversions

Date	Howell Gage	Connected	Inflow to Res	Total Above Diversion	Total of Below Diversions
	cfs		cfs	cfs	cfs
8/15/04	118	No	156.1	128.8	149.94
8/16/04	116	No	153.6	143.2	146.94
8/17/04	120	No	171.7	143.2	152.2
8/18/04	130	No	169.7	143.2	154.36
8/19/04	125	No	168.2	143.2	142.68
8/20/04	117	No	170.3	143.2	131.12
8/21/04	113	No	175.0	143.2	131.44
8/22/04	112	No	191.1	143.2	126.58
8/23/04	123	No	113.5	142.24	116.38
8/24/04	120	No	161.8	142.2	116.34
8/25/04	128	No	170.4	142.2	122.16
8/26/04	138	No	179.9	137.4	124.9
8/27/04	131	No	176.4	127.2	112.94
8/28/04	122	No	177.4	127.2	125.58
8/29/04	113	No	172.9	127.2	123.28
8/30/04	108	No	172.9	90.6	126
8/31/04	104	No	166.3	90.6	127.04
9/1/04	99	No	164.8	90.6	127.26
9/2/04	95	No	171.9	90.6	127.26
9/3/04	96	No	175.4	88.6	126.72
9/4/04	96	No	177.4	88.6	122.72
9/5/04	95	No	180.4	88.6	121.04
9/6/04	93	No	125.0	79.9	121.08
9/7/04	91	No	180.4	79.9	120.96
9/8/04	89	No	152.2	79.9	119.86
9/9/04	87	No	161.3	79.9	110.72
9/10/04	85	No	147.3	74.9	111.72
9/11/04	84	No	155.4	74.9	116.78
9/12/04	85	No	152.4	74.9	116.22
9/13/04	105	No	163.9	76.5	118.3
9/14/04	105	No	159.9	76.5	115.38
9/15/04	101	No	155.8	76.5	110.08
9/16/04	107	No	179.0	76.5	106.44
9/17/04	104	No	149.7	77	106.3
9/18/04	103	No	166.9	77	106.04
9/19/04	146	No	170.4	77	101.12
9/20/04	140	No	179.9	83.6	102.82
9/21/04	136	No	188.9	83.6	102.36
9/22/04	131	No	227.7	83.6	102
9/23/04	134	No	189.9	83.6	91.8
9/24/04	143	No	192.9	83.6	80.18
9/25/04	147	No	185.9	83.6	79.9
9/26/04	152	No	185.9	83.6	78.9
9/27/04	156	No	176.8	85.6	92.92
9/28/04	156	No	181.9	85.6	92.9
9/29/04	150	No	183.9	85.6	93.62
9/30/04	145	No	184.9	85.6	97.96
10/1/04	138	No	185.9	85.6	104.18
10/2/04	134	No	185.3	85.6	103.26
10/3/04	129	No	182.3	85.6	103.26
10/4/04	125	No	182.3	68.6	98.26
10/5/04	123	No	182.3	66.6	96.26
10/6/04	120	No	168.3	66.6	95.92

2004 WD34 Diversions

Date	Howell Gage	Connected	Inflow to Res	Total Above Diversion	Total of Below Diversions
	cfs		cfs	cfs	cfs
10/7/04	117	No	168.3	66.6	94.92
10/8/04	114	No	168.3	66.2	95.12
10/9/04	111	No	167.3	66.2	89.5
10/10/04	111	No	166.3	66.2	89.5
10/11/04	110	No	168.3	56.3	88.3
10/12/04	108	No	164.3	56.3	92.36
10/13/04	107	No	169.3	56.3	92.36
10/14/04	105	No	170.3	56.3	92.36
10/15/04	104	No	171.3	56.3	91.36

2003 WD34 Diversions

Date	Howell Gage	Connected	Inflow to Res	Total Above Diversion	Total of Below Diversions
	cfs		cfs	cfs	cfs
5/1/03	122	No	130	0	3
5/2/03	121	No	131.4	0	3
5/3/03	126	No	131.4	0	3
5/4/03	133	No	136.4	0	3
5/5/03	127	No	114.2	0	6
5/6/03	124	No	113.2	0	7
5/7/03	121	No	118.3	0	7
5/8/03	123	No	113.2	0	7
5/9/03	120	No	118.3	0	7
5/10/03	116	No	103.2	0	7
5/11/03	111	No	109.5	8.2	29.38
5/12/03	123	No	118.6	8.2	29.38
5/13/03	116	No	108.5	100.38	28.96
5/14/03	138	No	108.5	101.8	31.82
5/15/03	171	No	103.5	149.6	31.8
5/16/03	249	No	101.6	154.6	29.92
5/17/03	290	No	81.4	159.4	29.9
5/18/03	301	No	91.5	162.04	31.04
5/19/03	267	No	81.4	162	32.82
5/20/03	255	No	91.5	162	37.82
5/21/03	270	No	86.4	219.16	39.8
5/22/03	366	No	91.5	224	39.8
5/23/03	594	No	91.5	224	39.8
5/24/03	992	No	250.4	224	39.8
5/25/03	1290	No	107.0	288.72	47.26
5/26/03	1680	Yes	188.7	301.1	47.26
5/27/03	1780	Yes	405.5	329.1	47.26
5/28/03	1970	Yes	403.5	329.1	49.96
5/29/03	2480	Yes	605.1	343.8	112.54
5/30/03	2840	Yes	941.2	343.8	147.74
5/31/03	3200	Yes	1349.7	343.8	454.92
6/1/03	2240	Yes	1673.7	374.3	476.28
6/2/03	1790	Yes	1423.9	374.2	454.88
6/3/03	1590	Yes	1075.8	377.06	489.56
6/4/03	1410	Yes	948.3	376.94	511.72
6/5/03	1250	Yes	856.9	376.94	518.54
6/6/03	1200	Yes	775.0	391	541.82
6/7/03	1280	Yes	747.9	392.6	546.8
6/8/03	1310	Yes	729.8	394.94	583.36
6/9/03	1320	Yes	751.1	394.9	636.5
6/10/03	1380	Yes	764.0	376.7	638.02
6/11/03	1180	Yes	765.1	372.78	641.44
6/12/03	1050	Yes	692.2	307.72	654.84
6/13/03	976	Yes	631.0	304.46	651.66
6/14/03	885	Yes	566.4	304.42	646.38
6/15/03	889	Yes	527.5	275.24	603.52
6/16/03	858	Yes	558.3	275.24	610.06
6/17/03	842	Yes	505.6	110.8	600.3
6/18/03	939	Yes	494.9	155.35	587.1
6/19/03	925	Yes	527.4	155.9	557.02

2003 WD34 Diversions

Date	Howell Gage	Connected	Inflow to Res	Total Above Diversion	Total of Below Diversions
	cfs		cfs	cfs	cfs
6/20/03	918	Yes	582.9	155.4	546.88
6/21/03	720	Yes	612.3	163.4	540.82
6/22/03	582	Yes	545.8	146.54	540.76
6/23/03	507	Yes	437.4	154.74	528.12
6/24/03	465	Yes	319.4	59.58	505.48
6/25/03	425	Yes	369.2	44.2	476.4
6/26/03	378	Yes	330.0	44.2	436.6
6/27/03	385	No	356.2	215.98	443.32
6/28/03	448	No	260.9	216	442.7
6/29/03	469	No	290.1	212.4	433.62
6/30/03	489	No	272.7	212.4	444.68
7/1/03	480	No	255.0	211.4	438.4
7/2/03	436	No	241.4	197.4	437.88
7/3/03	403	No	232.3	197.4	436.52
7/4/03	380	No	214.8	193.7	411
7/5/03	359	No	200.8	193.7	401.92
7/6/03	348	No	208.4	196.7	360.74
7/7/03	326	No	167.4	204.7	358.84
7/8/03	312	No	243.1	204.7	333.3
7/9/03	298	No	185.6	186.5	334.96
7/10/03	279	No	191.6	186.5	346.36
7/11/03	269	No	174.5	186.5	323.5
7/12/03	265	No	127.0	186.5	324
7/13/03	256	No	164.2	152.3	334.44
7/14/03	246	No	175.7	145	333.18
7/15/03	233	No	120.1	145	326.8
7/16/03	221	No	138.3	145	321.98
7/17/03	211	No	129.3	145	309.98
7/18/03	206	No	149.5	141	321.52
7/19/03	196	No	129.6	138.2	317.64
7/20/03	192	No	126.1	137.1	312.96
7/21/03	187	No	151.9	135.5	306.96
7/22/03	176	No	145.4	135.5	294.26
7/23/03	167	No	135.9	135.5	296.5
7/24/03	164	No	120.4	135.5	294
7/25/03	164	No	124.1	134	293.64
7/26/03	171	No	119.2	134	275.84
7/27/03	165	No	125.0	146.7	233.66
7/28/03	148	No	133.7	110.7	190.6
7/29/03	139	No	124.4	104.9	172.22
7/30/03	133	No	116.6	148.9	143.18
7/31/03	127	No	113.8	136.5	145.92
8/1/03	118	No	88.8	130.5	119.26
8/2/03	112	No	95.2	128.5	107.28
8/3/03	120	No	178.5	128.3	97.96
8/4/03	124	No	163.5	128.3	110.58
8/5/03	116	No	162.9	120.3	91.42
8/6/03	110	No	162.6	109	87.2
8/7/03	104	No	157.5	97	96.52
8/8/03	101	No	167.1	93	0

2003 WD34 Diversions

Date	Howell Gage	Connected	Inflow to Res	Total Above Diversion	Total of Below Diversions
	cfs		cfs	cfs	cfs
8/9/03	97	No	166.0	93	0
8/10/03	93	No	154.0	81.8	0
8/11/03	90	No	164.6	81.8	84.66
8/12/03	88	No	165.7	77.8	90.12
8/13/03	87	No	149.6	77.8	93.24
8/14/03	85	No	158.7	75.8	100.54
8/15/03	85	No	154.7	75.8	91.34
8/16/03	92	No	161.9	73.8	78.76
8/17/03	89	No	160.9	74	77.2
8/18/03	87	No	161.7	74	76.76
8/19/03	86	No	166.7	74	88.44
8/20/03	83	No	169.7	70.8	88.48
8/21/03	81	No	164.7	70.8	87.4
8/22/03	91	No	174.9	70.8	88.58
8/23/03	140	No	171.4	70.8	88.6
8/24/03	117	No	169.4	73.1	88.68
8/25/03	102	No	168.7	73.1	88.44
8/26/03	94	No	162.9	71.5	94.7
8/27/03	95	No	164.9	71.5	96.7
8/28/03	95	No	163.9	71.5	96.7
8/29/03	90	No	158.6	74.5	93.46
8/30/03	99	No	158.7	74.5	94.5
8/31/03	92	No	166.9	74.3	94.7
9/1/03	87	No	156.9	74.3	93.92
9/2/03	84	No	155.9	74.3	93.3
9/3/03	83	No	153.9	75.9	93.3
9/4/03	82	No	150.9	73.9	73.3
9/5/03	83	No	148.8	73.9	71.2
9/6/03	96	No	150.8	77.9	75.3
9/7/03	101	No	154.9	77.18	71.38
9/8/03	93	No	154.9	77.3	72.4
9/9/03	90	No	151.9	81.1	72.4
9/10/03	92	No	156.7	81.1	69.2
9/11/03	90	No	156.9	81.1	73.72
9/12/03	85	No	151.9	80.18	73.7
9/13/03	83	No	148.7	78.18	72.48
9/14/03	82	No	152.7	75.58	72.5
9/15/03	85	No	147.7	70.6	73.5
9/16/03	92	No	147.7	70.6	73.5
9/17/03	89	No	153.7	59.2	74.18
9/18/03	87	No	6.4	59.18	73.86
9/19/03	86	No	158.7	59.2	73.88
9/20/03	83	No	161.7	57.4	74.52
9/21/03	81	No	166.3	53.4	76.16
9/22/03	91	No	166.3	52	96.52
9/23/03	140	No	169.1	43.7	98.12
9/24/03	117	No	170.3	43.7	100.36
9/25/03	102	No	134.3	42.7	104.32
9/26/03	94	No	117.4	35.6	95.94
9/27/03	95	No	127.4	35.6	91.94

2003 WD34 Diversions

Date	Howell Gage	Connected	Inflow to Res	Total Above Diversion	Total of Below Diversions
	cfs		cfs	cfs	cfs
9/28/03	95	No	566.1	37.7	93.68
9/29/03	90	No	178.6	37.7	101.94
9/30/03	99	No	166.7	33.2	93.94
10/1/03	92	No	175.4	33.2	96.86
10/2/03	72	No	171.4	27.6	95.86
10/3/03	72	No	174.4	27.6	91.48
10/4/03	74	No	174.4	27.6	91.48
10/5/03	73	No	176.1	27.6	68.96
10/6/03	72	No	178.3	27.6	83.2
10/7/03	72	No	181.7	27.6	81.9
10/8/03	72	No	182.2	24	82.92
10/9/03	70	No	182.7	24	68.6
10/10/03	69	No	182.2	24	63.5
10/11/03	71	No	182.7	20	59.8
10/12/03	71	No	182.0	20	61.22
10/13/03	71	No	182.5	20	58.1
10/14/03	71	No	183.0	20	58.1
10/15/03	71	No	186.0	404.6	58.74