Appendix A. 2000-01 Umatilla River Water Parameter Data

Date	3MD TEMPERATURES C	F	FLOW @ PENDLETON	FLOW @ YOAKUM	SFC FLOWS	CSC FLOWS	WLC FLOWS
01-Sep-00	N/A	N/A	44	252	0	0	168
02-Sep-00	17.3	63.1	52	249	0	0	165
03-Sep-00	16.9	62.4	61	237	1	0	156
04-Sep-00	17.1	62.8	64	252	1	0	154
05-Sep-00	17.8	64.0	60	237	1	0	148
06-Sep-00	18.3	64.9	57	241	13	0	144
07-Sep-00	18.6	65.5	55	251	16	0	136
08-Sep-00	18.0	64.4	53	241	17	0	133
09-Sep-00	16.6	61.9	56	241	14	0	128
10-Sep-00	16.7	62.1	64	245	15	0	129
11-Sep-00	17.2	63.0	90	245	15	0	138
12-Sep-00	18.5	65.3	76	222	6	0	142
13-Sep-00	19.5	67.1	66	203	2	0	141
14-Sep-00	20.1	68.2	60	193	1	0	106
15-Sep-00	20.4	68.7	58	189	1	0	37
16-Sep-00	19.7	67.5	57	187	0	0	39
17-Sep-00	19.5	67.1	57	187	1	0	39
18-Sep-00	19.7	67.5	55	187	1	0	39
19-Sep-00	20.3	68.5	54	186	1	0	39
20-Sep-00	19.1	66.4	55	184	1	0	38
21-Sep-00	17.8	64.0	60	194	0	0	35
22-Sep-00	15.4	59.7	62	194	1	0	30
23-Sep-00	14.0	57.2	62	194	1	0	30
24-Sep-00	13.4	56.1	61	193	2	0	30
25-Sep-00	13.7	56.7	60	190	2	0	40
26-Sep-00	14.0	57.2	58	187	2	0	49
27-Sep-00	14.6	58.3	56	187	2	0	48
28-Sep-00	15.2	59.4	56	186	12	0	43
29-Sep-00	16.1	61.0	55	186	14	0	34
30-Sep-00	16.5	61.7	63	199	12	0	31
01-Oct-00	17.3	63.1	251	312	8	0	34
02-Oct-00	16.1	61.0	250	405	4	0	34
03-Oct-00	14.7	58.5	158	328	4	0	34
04-Oct-00	14.1	57.4	128	296	4	0	34
05-Oct-00	13.5	56.3	115	278	2	0	46
06-Oct-00	12.6	54.7	105	265	0	0	42
07-Oct-00	12.4	54.3	99	259	0	0	37
08-Oct-00	12.6	54.7	93	252	0	0	36
09-Oct-00	12.9	55.2	90	248	0	0	37
10-Oct-00	13.2	55.8	103	270	0	0	38
11-Oct-00	13.3	55.9	114	286	0	0	38
12-Oct-00	13.8	56.8	109	282	0	0	37
13-Oct-00	14.2	57.6	108	275	0	0	14
14-Oct-00	14.1	57.4	105	267	0	0	0
15-Oct-00	13.0	55.4	103	267	0	0	0
16-Oct-00	13.1	55.6	102	265	0	0	0
17-Oct-00	13.7	56.7	98	260	0	0	0
18-Oct-00	14.1	57.4	96	255	0	0	0
19-Oct-00	13.9	57.0	95	255	0	0	0

FLOW @ DILLON	FLOW @ UMATILLA
52	112
69	137
40	136
63	127
46	134
44	122
57	109
51	123
56	119
74	153
80	174
66	158
51	145
61	133
120	162
120	183
122	191
124	194
121	188
118	185
132	196
137	205
136	209
135	211
129	209
120	198
117	190
116	190
106	180
112	175
188	187
489	372
361	358
287	306
249	286
229	270
281	273
263	265
251	264
227	284
250	315
222	292
269	297
285	319
284	312
275	313
263	306
250	300
243	299

20-Oct-00	13.6	56.5	100	268	0	0	0
21-Oct-00	12.6	54.7	110	267	0	0	0
22-Oct-00	11.5	52.7	109	264	0	0	0
23-Oct-00	10.6	51.1	105	260	0	0	0
24-Oct-00	10.3	50.5	105	259	0	0	0
25-Oct-00	10.3	50.5	105	257	0	0	0
26-Oct-00	10.3	50.5	105	257	0	0	0
27-Oct-00	11.0	51.8	115	267	0	0	0
28-Oct-00	12.1	53.8	119	274	0	0	0
29-Oct-00	11.5	52.7	127	279	0	0	0
30-Oct-00	11.0	51.8	128	281	0	0	0
31-Oct-00	10.4	50.7	128	284	0	0	0

Appendix A. (continued)

	3MD TEMPERATURES		FLOW @	FLOW @	SFC	CSC	WLC
Date	C	F	PENDLETON	YOAKUM	FLOWS	FLOWS	FLOWS
01-Nov-00	9.8	49.6	128	286	0	0	0
02-Nov-00	9.9	49.8	126	283	0	0	0
03-Nov-00	10.2	50.4	122	279	0	0	0
04-Nov-00	10.0	50.0	121	281	0	0	0
05-Nov-00	9.6	49.3	127	283	0	0	0
06-Nov-00	9.6	49.3	128	284	0	0	0
07-Nov-00	9.6	49.3	128	284	0	0	0
08-Nov-00	9.4	48.9	153	309	0	0	0
09-Nov-00	8.3	46.9	320	407	0	0	0
10-Nov-00	7.7	45.9	332	445	0	0	0
11-Nov-00	6.3	43.3	296	422	0	0	0
12-Nov-00	5.5	41.9	259	395	0	0	0
13-Nov-00	5.7	42.3	237	379	0	0	0
14-Nov-00	5.8	42.4	218	350	0	0	0
15-Nov-00	5.9	42.6	207	302	0	0	0
16-Nov-00	5.4	41.7	196	258	0	0	0
17-Nov-00	5.5	41.9	185	228	0	0	0
18-Nov-00	5.1	41.2	178	207	0	0	0
19-Nov-00	4.1	39.4	169	196	0	0	0
20-Nov-00	3.5	38.3	160	190	0	0	0
21-Nov-00	3.3	37.9	154	184	0	0	0
22-Nov-00	3.6	38.5	151	177	0	0	0
23-Nov-00	4.2	39.6	147	174	0	0	0
24-Nov-00	4.4	39.9	148	172	0	0	0
25-Nov-00	4.7	40.5	147	171	0	0	0
26-Nov-00	4.8	40.6	155	175	0	0	0
27-Nov-00	5.6	42.1	183	186	0	0	0
28-Nov-00	5.5	41.9	263	248	0	0	0
29-Nov-00	5.0	41.0	271	274	0	0	0
30-Nov-00	4.4	39.9	263	270	0	0	0
01-Dec-00	4.5	40.1	254	260	0	0	0
02-Dec-00	5.3	41.5	251	259	0	0	0
03-Dec-00	5.7	42.3	250	257	0	0	0
04-Dec-00	5.6	42.1	244	253	0	0	0
05-Dec-00	5.5	41.9	232	245	0	0	0
06-Dec-00	5.3	41.5	217	236	0	0	0
07-Dec-00	4.9	40.8	206	230	0	0	0

248	301
272	317
259	310
251	310
251	306
250	305
250	305
264	311
270	314
292	322
298	329
298	333

FLOW @ DILLON	FLOW @ UMATILLA
298	333
295	326
290	329
298	325
300	325
305	331
304	330
338	351
459	396
570	503
549	521
502	480
473	461
441	435
376	390
290	332
236	293
200	269
184	256
177	244
167	238
160	233
156	228
153	225
156	224
158	224
169	227
244	251
328	317
330	325
309	319
304	311
300	309
296	305
280	300
264	290
244	279

08-Dec-00	4.6	40.3	195	222	0	0	0
09-Dec-00	4.4	39.9	187	213	0	0	0
10-Dec-00	4.6	40.3	174	206	0	0	0
11-Dec-00	3.9	39.0	170	202	0	0	0
12-Dec-00	2.6	36.7	160	190	0	0	0
13-Dec-00	2.0	35.6	152	181	0	0	0
14-Dec-00	1.8	35.2	152	181	0	0	0
15-Dec-00	2.2	36.0	158	188	0	0	0
16-Dec-00	3.0	37.4	155	185	0	0	0
17-Dec-00	3.8	38.8	178	196	0	0	0
18-Dec-00	3.7	38.7	217	240	0	0	0
19-Dec-00	3.4	38.1	214	244	0	0	0
20-Dec-00	3.1	37.6	206	238	0	0	0
21-Dec-00	3.2	37.8	193	229	0	0	0
22-Dec-00	3.4	38.1	192	223	0	0	0
23-Dec-00	3.8	38.8	335	277	0	0	0
24-Dec-00	3.9	39.0	511	423	0	0	0
25-Dec-00	3.9	39.0	531	509	0	0	0
26-Dec-00	3.6	38.5	444	455	0	0	0
27-Dec-00	3.7	38.7	378	405	0	80	0
28-Dec-00	4.1	39.4	337	373	0	137	0
29-Dec-00	4.4	39.9	308	344	0	62	0
30-Dec-00	4.5	40.1	291	324	0	0	0
31-Dec-00	4.7	40.5	274	308	0	0	0

Appendix A. (continued)

	3MD TEMPERATURES		FLOW @	FLOW @	SFC	CSC	WLC
Date	C	F	PENDLETON	YOAKUM	FLOWS	FLOWS	FLOWS
01-Jan-01	4.7	40.5	255	292	0	0	0
02-Jan-01	4.5	40.1	235	275	0	0	0
03-Jan-01	4.7	40.5	227	261	0	0	0
04-Jan-01	4.8	40.6	215	252	0	0	0
05-Jan-01	5.1	41.2	212	246	0	0	0
06-Jan-01	5.2	41.4	217	251	0	0	0
07-Jan-01	4.6	40.3	231	261	0	0	0
08-Jan-01	4.0	39.2	242	266	0	0	0
09-Jan-01	3.7	38.7	244	271	0	0	0
10-Jan-01	3.6	38.5	240	267	0	0	0
11-Jan-01	3.9	39.0	236	264	0	0	0
12-Jan-01	4.6	40.3	248	277	0	0	0
13-Jan-01	5.1	41.2	244	286	0	0	0
14-Jan-01	5.5	41.9	266	301	0	0	0
15-Jan-01	5.4	41.7	275	322	0	0	0
16-Jan-01	4.4	39.9	254	303	0	0	0
17-Jan-01	3.7	38.7	237	287	0	0	0
18-Jan-01	3.5	38.3	226	282	0	0	0
19-Jan-01	3.5	38.3	231	290	0	0	0
20-Jan-01	3.8	38.8	230	297	0	0	0
21-Jan-01	4.0	39.2	247	296	0	0	0
22-Jan-01	4.0	39.2	323	404	0	0	0
23-Jan-01	NA	NA	343	444	0	0	0
24-Jan-01	3.3	38.0	337	435	0	0	0
25-Jan-01	2.2	36.0	330	426	0	0	0

229	273
208	263
196	254
189	250
176	243
166	233
166	231
171	231
173	236
171	232
247	255
266	290
260	287
248	281
233	274
290	279
487	371
695	612
628	595
434	481
274	316
327	313
395	379
369	363

FLOW @ DILLON	FLOW @ UMATILLA
344	352
315	334
288	317
273	303
263	294
261	292
279	299
298	307
309	314
302	312
300	309
324	314
334	323
346	328
385	357
368	351
337	330
300	312
304	319
309	328
288	322
402	355
497	488
479	480
459	471

26-Jan-01	1.7	35.0	316	410	0	0	0
27-Jan-01	NA	NA	302	388	0	0	0
28-Jan-01	NA	NA	287	366	0	0	0
29-Jan-01	2.2	36.0	269	346	0	0	0
30-Jan-01	NA	NA	257	329	0	0	0
31-Jan-01	3.3	38.0	244	310	0	0	0
01-Feb-01	2.8	37.0	250	306	0	0	0
02-Feb-01	4.4	40.0	262	302	0	0	0
03-Feb-01	NA	NA	312	357	0	0	0
04-Feb-01	5.6	42.0	443	402	0	0	0
05-Feb-01	6.1	43.0	861	717	0	101	39
06-Feb-01	NA	NA	810	754	0	177	66
07-Feb-01	NA	NA	675	653	0	188	63
08-Feb-01	2.2	36.0	559	563	0	188	64
09-Feb-01	1.7	35.0	490	516	0	191	63
10-Feb-01	NA	NA	442	472	0	199	29
11-Feb-01	3.3	38.0	398	436	0	172	0
12-Feb-01	1.7	35.0	357	404	0	131	0
13-Feb-01	2.2	36.0	328	376	0	104	0
14-Feb-01	2.8	37.0	591	353	0	93	0
15-Feb-01	4.4	40.0	286	336	0	28	0
16-Feb-01	3.3	38.0	274	322	0	0	0
17-Feb-01	NA	NA	264	307	0	0	0
18-Feb-01	3.3	38.0	257	303	0	0	0
19-Feb-01	NA	NA	253	297	0	0	0
20-Feb-01	3.3	38.0	250	294	0	0	0
21-Feb-01	3.9	39.0	260	296	0	0	0
22-Feb-01	4.4	40.0	345	358	0	0	0
23-Feb-01	5.6	42.0	366	385	0	63	0
24-Feb-01	NA	NA	408	417	0	151	0
25-Feb-01	NA	NA	410	425	0	171	0
26-Feb-01	5.0	41.0	397	418	0	159	0
27-Feb-01	3.9	39.0	379	408	0	147	0
28-Feb-01	3.3	38.0	363	399	0	137	0

Appendix A. (continued)

	3MD TEMPERATURES		FLOW @	FLOW @	SFC	CSC	WLC
Date	C	F	PENDLETON	YOAKUM	FLOWS	FLOWS	FLOWS
01-Mar-01	3.3	38.0	359	399	0	135	0
02-Mar-01	5.0	41.0	383	413	0	149	0
03-Mar-01	NA	NA	377	414	0	155	0
04-Mar-01	5.6	42.0	350	401	0	142	0
05-Mar-01	4.4	40.0	346	396	0	134	0
06-Mar-01	5.6	42.0	416	431	0	140	0
07-Mar-01	6.7	44.0	520	506	0	127	27
08-Mar-01	7.8	46.0	732	655	0	85	59
09-Mar-01	7.2	45.0	929	877	0	168	61
10-Mar-01	6.1	43.0	861	876	0	210	61
11-Mar-01	6.1	43.0	756	796	0	194	61
12-Mar-01	6.7	44.0	653	718	0	140	61
13-Mar-01	8.3	47.0	607	672	0	34	61
14-Mar-01	7.8	46.0	685	727	0	31	61
15-Mar-01	7.2	45.0	709	793	0	150	61

433	453
419	435
386	410
362	385
341	371
311	355
304	341
294	343
370	373
407	415
658	584
674	682
537	582
400	450
305	371
263	322
315	323
268	321
270	335
235	300
309	324
354	369
330	354
311	339
351	330
294	326
298	325
389	362
369	410
341	335
270	296
276	306
278	310
277	300

FLOW @ DILLON	FLOW @ UMATILLA
274	307
269	300
271	298
262	301
256	292
297	303
387	338
612	505
861	745
796	731
702	664
656	607
727	645
788	728
736	685

16-Mar-01	6.7	44.0	700	791	0	112	61
17-Mar-01	6.7	44.0	635	730	0	61	61
18-Mar-01	7.8	46.0	595	691	0	0	61
19-Mar-01	9.4	49.0	790	832	0	0	61
20-Mar-01	7.2	45.0	1340	1420	0	132	62
21-Mar-01	6.1	43.0	1130	1360	0	206	62
22-Mar-01	6.7	44.0	982	1200	0	219	62
23-Mar-01	6.7	44.0	920	1130	0	222	60
24-Mar-01	7.2	45.0	952	1150	0	222	57
25-Mar-01	8.9	48.0	1370	1460	0	220	57
26-Mar-01	7.8	46.0	1480	1650	0	222	60
27-Mar-01	7.8	46.0	1150	1400	0	220	62
28-Mar-01	7.8	46.0	1090	1290	0	218	79
29-Mar-01	8.3	47.0	1240	1400	0	219	84
30-Mar-01	8.3	47.0	1150	1350	0	220	82
31-Mar-01	9.4	49.0	1050	1250	0	217	82
01-Apr-01	7.2	45.0	1350	1450	2	220	83
02-Apr-01	NA	NA	1390	1520	54	221	92
03-Apr-01	6.1	43.0	1210	1380	62	218	98
04-Apr-01	6.7	44.0	1090	1260	41	151	104
05-Apr-01	6.1	43.0	1020	1190	0	0	112
06-Apr-01	7.2	45.0	991	1140	2	0	115
07-Apr-01	NA	NA	993	1160	2	0	120
08-Apr-01	6.1	43.0	961	1140	2	0	128
09-Apr-01	7.2	45.0	926	1090	34	0	145
10-Apr-01	7.2	45.0	901	1060	53	0	157
11-Apr-01	8.3	47.0	1180	1300	60	67	135
12-Apr-01	6.7	44.0	1450	1600	59	190	110
13-Apr-01	7.8	46.0	1340	1540	59	211	104
14-Apr-01	7.2	45.0	1110	1350	59	210	104
15-Apr-01	7.8	46.0	987	1210	59	205	104
16-Apr-01	8.9	48.0	946	1150	66	205	105
17-Apr-01	11.7	53.0	1170	1310	88	209	129
18-Apr-01	11.7	53.0	1420	1570	97	206	142
19-Apr-01	8.9	48.0	1440	1660	88	208	153
20-Apr-01	10.6	51.0	1260	1500	76	206	156
21-Apr-01	12.8	55.0	1080	1350	73	203	150
22-Apr-01	12.8	55.0	970	1220	82	197	138
23-Apr-01	11.7	53.0	912	1140	81	195	137
24-Apr-01	13.9	57.0	904	1190	79	196	141
25-Apr-01	16.1	61.0	1010	1360	83	197	150
26-Apr-01	14.4	58.0	1210	1510	95	201	164
27-Apr-01	13.9	57.0	1430	1680	101	203	174
28-Apr-01	14.4	58.0	1540	1820	104	202	170
29-Apr-01	10.6	51.0	1220	1580	96	200	151
30-Apr-01	10.0	50.0	1030	1340	95	199	144

Appendix A. (continued)

	3MD TEMPERATURES		FLOW @	FLOW @	SFC	CSC	WLC
Date	C	F	PENDLETON	YOAKUM	FLOWS	FLOWS	FLOWS
01-May-01	9.4	49.0	1520	1840	95	200	144
02-May-01	9.4	49.0	1330	1690	89	201	147
03-May-01	10.0	50.0	1130	1490	91	201	158

787	704
782	706
810	751
902	754
1510	1170
1440	1300
1210	1130
1080	987
1080	946
1430	1110
1770	1450
1480	1370
1260	1130
1370	1140
1360	1190
1240	1090
1420	1120
1520	1300
1330	1200
1260	1050
1380	1220
1290	1110
1300	1100
1300	1100
1200	1020
1120	945
1290	1070
1580	1380
1500	1330
1300	1180
1120	996
1020	874
1100	840
1410	1140
1580	1360
1390	1250
1240	1120
1080	960
993	840
1010	810
1160	934
1320	1070
1490	1230
1720	1390
1500	1400
1210	1110

FLOW @ DILLON	FLOW @ UMATILLA
1460	1270
1310	1470
1050	1280

04-May-01	11.7	53.0	1010	1320	91	201	175
05-May-01	12.2	54.0	945	1210	90	202	177
06-May-01	12.8	55.0	858	1080	92	157	175
07-May-01	11.7	53.0	778	959	92	120	181
08-May-01	14.4	58.0	719	870	93	36	181
09-May-01	15.6	60.0	693	808	97	0	179
10-May-01	16.7	62.0	660	741	101	0	183
11-May-01	16.7	62.0	605	678	98	0	186
12-May-01	18.3	65.0	583	633	101	0	198
13-May-01	18.3	65.0	567	610	115	0	208
14-May-01	15.0	59.0	546	584	113	0	204
15-May-01	13.3	56.0	669	679	113	0	188
16-May-01	13.3	56.0	641	676	102	0	178
17-May-01	13.3	56.0	562	599	98	0	169
18-May-01	13.9	57.0	499	551	52	0	173
19-May-01	16.1	61.0	445	509	23	0	172
20-May-01	16.7	62.0	397	475	27	0	170
21-May-01	NA	NA	355	444	26	0	191
22-May-01	18.3	65.0	321	457	8	0	202
23-May-01	20.6	69.0	301	438	3	0	211
24-May-01	21.7	71.0	275	422	3	0	216
25-May-01	21.7	71.0	250	421	3	0	223
26-May-01	NA	NA	226	417	3	0	214
27-May-01	21.7	71.0	213	408	3	0	216
28-May-01	NA	NA	211	410	3	0	220
29-May-01	16.7	62.0	190	413	3	0	218
30-May-01	NA	NA	175	411	3	0	214
31-May-01	18.3	65.0	166	419	8	0	213
01-Jun-01	18.9	66.0	151	426	16	0	212
02-Jun-01	16.7	62.0	147	440	11	0	208
03-Jun-01	16.7	62.0	151	431	9	0	197
04-Jun-01	13.9	57.0	153	415	6	0	191
05-Jun-01	NA	NA	147	399	8	0	187
06-Jun-01	15.6	60.0	151	399	13	0	189
07-Jun-01	17.8	64.0	141	390	13	0	191
08-Jun-01	19.4	67.0	132	390	14	0	191
09-Jun-01	NA	NA	127	390	14	0	189
10-Jun-01	17.2	63.0	127	384	14	0	184
11-Jun-01	17.2	63.0	124	377	8	0	187
12-Jun-01	15.6	60.0	131	384	0	0	188
13-Jun-01	NA	NA	158	386	0	0	173
14-Jun-01	16.7	62.0	144	360	0	0	165
15-Jun-01	17.2	63.0	132	346	0	0	156
16-Jun-01	NA	NA	122	347	0	0	154
17-Jun-01	17.2	63.0	121	357	0	0	156
18-Jun-01	16.7	62.0	117	374	11	0	156
19-Jun-01	17.2	63.0	112	360	19	0	163
20-Jun-01	20.2	68.4	107	372	19	0	174
21-Jun-01	21.5	70.7	99	386	20	0	185
22-Jun-01	22.0	71.6	94	391	21	0	195
23-Jun-01	21.1	70.0	89	394	20	0	195
24-Jun-01	18.9	66.0	92	393	20	0	195

858	1040
768	873
714	831
679	720
640	668
595	599
541	519
483	435
419	377
370	313
323	288
405	313
464	456
395	388
344	299
317	276
273	249
215	232
214	240
194	234
154	190
154	166
157	162
146	160
147	154
156	171
156	180
149	175
152	161
185	197
195	219
181	210
158	191
164	190
145	178
144	165
165	180
167	192
150	188
172	185
205	215
156	203
145	175
141	169
163	177
173	194
145	185
152	179
162	201
165	184
167	187
168	192

25-Jun-01	17.2	63.0	99	389	21	0	189
26-Jun-01	18.0	64.4	98	376	22	0	178
27-Jun-01	19.2	66.6	98	364	22	0	160
28-Jun-01	19.9	67.8	128	357	23	0	142
29-Jun-01	20.1	68.2	107	330	23	0	127
30-Jun-01	21.3	70.3	94	321	24	0	118

Appendix A. (continued)

	3MD TEMPERATURES		FLOW @	FLOW @	SFC	CSC	WLC
Date	C	F	PENDLETON	YOAKUM	FLOWS	FLOWS	FLOWS
01-Jul-01	21.5	70.7	85	328	24	0	119
02-Jul-01	21.7	70.0	79	349	24	0	138
03-Jul-01	22.2	72.0	75	375	19	0	168
04-Jul-01	22.9	73.2	72	373	21	0	172
05-Jul-01	22.7	72.0	66	354	21	0	165
06-Jul-01	21.8	71.2	67	320	19	0	154
07-Jul-01	21.8	71.2	64	273	17	0	144
08-Jul-01	22.4	72.3	60	232	14	0	139
09-Jul-01	23.1	73.6	56	191	12	0	133
10-Jul-01	23.6	76.0	53	176	11	0	119
11-Jul-01	23.9	75.0	53	188	10	0	134
12-Jul-01	23.8	74.8	55	187	10	0	134
13-Jul-01	23.7	74.7	60	188	11	0	141
14-Jul-01	23.5	74.3	55	173	10	0	127
15-Jul-01	22.6	72.7	52	173	13	0	134
16-Jul-01	21.3	70.3	52	179	14	0	144
17-Jul-01	20.4	68.7	53	190	15	0	152
18-Jul-01	20.3	68.5	52	189	15	0	156
19-Jul-01	20.5	68.9	52	192	16	0	153
20-Jul-01	21.0	69.8	53	202	15	0	150
21-Jul-01	20.8	69.4	57	193	15	0	156
22-Jul-01	21.1	70.0	54	170	14	0	145
23-Jul-01	21.9	71.4	51	162	13	0	126
24-Jul-01	22.8	73.0	49	178	13	0	125
25-Jul-01	23.3	73.9	46	186	14	0	133
26-Jul-01	23.4	74.1	44	184	13	0	135
27-Jul-01	23.5	74.3	42	181	15	0	135
28-Jul-01	22.9	73.2	41	175	14	0	126
29-Jul-01	21.4	70.5	45	183	14	0	138
30-Jul-01	19.7	67.5	54	201	18	0	149
31-Jul-01	19.2	66.6	55	197	19	0	145
01-Aug-01	19.8	67.6	49	192	19	0	144
02-Aug-01	21.0	69.8	45	187	20	0	139
03-Aug-01	22.1	71.8	42	189	20	0	149
04-Aug-01	22.4	72.3	42	194	20	0	166
05-Aug-01	22.0	71.6	46	207	8	0	180
06-Aug-01	21.8	71.2	42	200	2	0	175
07-Aug-01	22.7	72.9	39	188	2	0	168
08-Aug-01	23.4	74.1	38	199	2	0	169
09-Aug-01	23.1	73.6	37	191	2	0	163
10-Aug-01	22.6	72.7	36	184	2	0	153
11-Aug-01	22.6	72.7	36	177	3	0	147
12-Aug-01	23.0	73.4	35	168	3	0	145

167	200
164	215
163	217
160	234
148	214
145	204

FLOW @ DILLON	FLOW @ UMATILLA
149	191
160	191
168	157
171	143
169	150
139	134
101	110
67	85
27	49
15	18
9	3
8	2
6	2
4	3
3	2
4	2
2	2
3	2
2	1
4	2
4	2
4	2
5	4
4	5
4	5
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7	5
7	5
5	5
4	5
5	5
5	5
5	6
5	5
5	11
5	8
5	8

13-Aug-01	23.4	74.1	35	177	15	0	129
14-Aug-01	23.6	74.5	35	176	18	0	151
15-Aug-01	23.4	74.1	34	178	16	0	145
16-Aug-01	23.8	74.8	35	175	16	0	140
17-Aug-01	23.5	74.3	35	174	16	0	143
18-Aug-01	22.3	72.1	35	169	16	0	143
19-Aug-01	21.0	69.8	36	165	16	0	136
20-Aug-01	20.3	68.5	37	155	16	0	122
21-Aug-01	20.2	68.4	36	161	16	0	130
22-Aug-01	20.5	68.9	37	161	16	0	134
23-Aug-01	20.4	68.7	38	153	15	0	118
24-Aug-01	19.7	67.5	43	149	15	0	111
25-Aug-01	19.4	66.9	41	145	15	0	112
26-Aug-01	19.6	67.3	37	139	15	0	112
27-Aug-01	20.6	69.1	36	130	15	0	106
28-Aug-01	21.2	70.2	35	126	15	0	104
29-Aug-01	21.4	70.5	35	132	14	0	109
30-Aug-01	23.5	74.3	35	159	14	0	117
31-Aug-01	NA	NA	35	168	14	0	131

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6	7
6	6
6	25
6	48
6	51
8	57
11	55
9	48
8	47
11	55
7	63
8	60
8	60
7	58
5	57
3	49
5	49
10	46