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Saline Intrusion and Agricultural Water Resource Management, Sultanate of Oman

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APPENDIX A

MULADDAH CLIMATE DATA

Mean Monthly ETo for 1983-94

	Mean	Mean Maximum	Mean Minimum
Jan	3.10	3.37	2.67
Feb	3.84	4.34	3.46
Mar	4.92	5.61	4.22
Apr	6.50	7.25	5.78
May	7.69	8.31	6.72
Jun	7.79	8.27	7.22
Jul	7.18	8.02	6.49
Aug	6.48	6.90	5.74
Sep	6.08	6.62	5.58
Oct	5.21	5.58	4.81
Nov	3.80	4.00	3.43
Dec	3.05	3.17	2.85

Reference Evapotranspiration for Muladdah 1983-94

Mean Monthly ETo (mmd^{-1}) per Year

Year	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Jan		3.37	3.06	3.17	3.19	3.08	3.30	2.94	3.19	2.67	3.11	3.00
Feb		4.08	4.25	3.58	4.34	3.46	3.72	3.60	3.89	3.55	3.89	3.87
Mar		5.61	5.26	4.94	5.11	5.40	4.67	5.11	4.47	4.22	4.56	4.74
Apr		7.07	7.17	6.18	7.25	6.43	6.34	6.44	6.38	5.78	6.09	6.38
May		7.76	7.67	8.31	7.85	7.97	7.69	7.58	6.72	7.73	7.77	7.54
Jun		7.78	8.27	7.22	7.99	8.05	7.55	7.87	7.46	7.91	7.83	7.81
Jul		7.19	6.62	7.10	7.92	6.49	7.01	8.02	6.93		7.48	7.00
Aug	6.24	6.70	6.81	6.70	6.67	6.52	6.33	6.00	5.74		6.90	6.73
Sep	5.96	6.36	6.06	6.62	6.13	6.38	6.04	5.81	5.58		5.87	
Oct	5.52	5.09	5.20	5.58	5.23	5.34	5.36	5.25	4.90	5.04	4.81	
Nov	3.89	3.99	3.93	3.93	3.77	4.00	3.99	3.53	3.43	3.64	3.68	
Dec	3.13	3.02	3.17	3.12	3.00	3.15	3.01	3.17	2.99	2.92	2.85	

Total Monthly ($mmmth^{-1}$) and Annual (mmy^{-1})

Year	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Jan		105	95	98	99	95	102	91	99	83	96	93
Feb		114	119	100	121	97	104	101	109	99	109	108
Mar		174	163	153	158	167	145	158	139	131	141	147
Apr		212	215	185	218	193	190	193	191	173	183	191
May		241	238	258	243	247	238	235	208	240	241	234
Jun		234	248	217	240	241	227	236	224	237	235	234
Jul		223	205	220	245	201	217	249	215	222	232	217
Aug	193	208	211	208	207	202	196	186	178	201	214	209
Sep	179	191	182	199	184	191	181	174	167	182	176	
Oct	171	158	161	173	162	166	166	163	152	156	149	
Nov	117	120	118	118	113	120	120	106	103	109	110	
Dec	97	94	98	97	93	98	93	98	93	90	88	
Total	757	2,071	2,054	2,025	2,084	2,019	1,980	1,990	1,878	1,925	1,975	1,433

APPENDIX B

WELL OPERATIONAL STATUS

APPENDIX B WELL OPERATIONAL STATUS

Farm_number	Well_inventory	Start Date	End Date	Status Jul 99
001-001	211/909	Mar.94	Jul.99	Operational
001-001	211/910	Mar.94	Jul.99	Operational
001-003	205/326	Mar.94	Jul.99	Operational
001-003	205/327	Mar.94	Jul.99	Operational
001-003	205/328	Mar.94	Aug.98	Non Operational
001-003	205/329	Mar.94	Mar.94	Non Operational
001-003	205/330	Mar.94	Jul.99	Operational
001-004	211/627	Mar.94	Jul.99	Operational
001-004	211/628	Mar.94	Jul.99	Operational
001-005	205/319	Mar.94	Jul.99	Operational
001-005	205/320	Mar.94	Jul.99	Operational
001-005	205/321	Mar.94	Jul.99	Operational
001-005	205/322	Mar.94	Jul.99	Operational
001-005	205/324	Mar.94	Jul.99	Operational
001-005	205/325	Mar.94	Jul.99	Operational
001-006	211/714	Mar.94	Jul.99	Operational
001-006	211/715	Mar.94	Jul.99	Operational
001-006	211/716	Mar.94	Jul.99	Operational
001-007	204/183	Mar.94	Jul.99	Operational
001-007	204/952	Mar.94	Jul.99	Operational
001-008	201/433	Mar.94	Jul.99	Operational
001-008	201/434	Mar.94	Jul.99	Operational
001-009	211/402	Mar.94	Jul.99	Operational
001-009	211/403	Mar.94	Jul.99	Operational
001-010	211/413	Mar.94	Jul.99	Operational
001-010	211/414	Mar.94	Jul.99	Operational
001-011	211/813	Mar.94	Jul.99	Operational
001-011	211/814	Mar.94	Jul.99	Operational
001-011	211/908	Mar.94	May.96	Non Operational
001-012	205/290	Mar.94	Jul.99	Operational
001-012	205/291	Mar.94	Jul.99	Operational
001-012	205/293	Mar.94	Apr.97	Non Operational
001-013	204/141	Mar.94	Jul.99	Operational
001-013	204/142	Mar.94	Jul.99	Operational
001-013	204/143	Mar.94	Jul.99	Operational
001-013	204/146	Mar.94	Jul.99	Operational
001-013	204/147	Mar.94	Jul.99	Operational
001-013	204/148	Mar.94	Jul.99	Operational
001-013	204/149	Mar.94	Jul.99	Operational
001-013	204/150	Mar.94	Jan.99	Non Operational
001-013	204/151	Mar.94	Jul.99	Operational
001-015	201/475	Mar.94	Jul.99	Operational
001-015	201/476	Mar.94	Jul.99	Operational
001-015	201/477	Mar.94	Jul.99	Operational
001-016	203/111	Mar.94	Jul.99	Operational
001-016	203/112	Mar.94	Jul.99	Operational
001-017	201/229	Mar.94	Jul.99	Operational
001-017	201/332	Mar.94	Jul.99	Operational
001-018	203/185	Mar.94	Jul.99	Operational
001-018	203/273	Mar.94	Jul.99	Operational
001-019	204/124	Mar.94	Jul.99	Operational
001-019	204/125	Mar.94	Jul.99	Operational
001-019	204/126	Mar.94	Jul.99	Operational

APPENDIX B WELL OPERATIONAL STATUS

Farm_number	Well_inventory	Start Date	End Date	Status Jul 99
002-012	201/871	May.96	Jul.99	Operational
002-013	201/094	May.96	Jul.99	Operational
002-014	201/154	May.96	Jul.99	Operational
002-014	201/155	May.96	Jul.99	Operational
002-015	201/203	May.96	Jul.99	Operational
002-015	201/204	May.96	Jul.99	Operational
002-015	201/205	May.96	Jul.99	Operational
002-015	201/206	May.96	Jul.99	Operational
002-016	201/252	May.96	Jul.99	Operational
002-017	201/259	May.96	Sep.97	Non Operational
002-017	201/390	May.96	Sep.97	Non Operational
002-018	201/306	May.96	Jul.99	Operational
002-019	201/393	May.96	Jul.99	Operational
002-020	201/394	May.96	Jul.99	Operational
002-020	201/395	May.96	Jul.99	Operational
002-021	203/227	May.96	Jul.99	Operational
002-021	203/228	May.96	Jul.99	Operational
002-022	203/237	May.96	Jul.99	Operational
002-023	203/240	May.96	Jul.99	Operational
002-024	211/181	May.96	Jul.99	Operational
002-025	211/183	May.96	Jul.99	Operational
002-026	211/185	May.96	Jul.99	Operational
002-026	211/187	May.96	Jul.99	Operational
002-026	211/188	May.96	Jul.99	Operational
002-027	211/194	May.96	Jul.99	Operational
002-027	211/195	May.96	Jul.99	Operational
002-027	211/196	May.96	Jul.99	Operational
002-027	211/197	May.96	Sep.97	Non Operational
002-028	211/166	May.96	May.96	Non Operational
002-028	211/200	May.96	Jul.99	Operational
002-028	211/201	May.96	Jul.99	Operational
002-028	211/202	May.96	Jul.99	Operational
002-028	211/203	May.96	Jul.99	Operational
002-028	211/204	May.96	Jul.99	Operational
002-028	211/205	May.96	Jul.99	Operational
002-028	211/206	May.96	Jul.99	Operational
002-029	204/256	May.96	Jan.98	Non Operational
002-029	204/260	May.96	May.96	Non Operational
002-029	204/261	May.96	Jul.99	Operational
002-030	203/441	May.96	Jun.96	Non Operational
002-030	203/443	May.96	Jun.96	Non Operational
002-031	206/433	May.96	Jul.99	Operational
002-031	206/434	May.96	Jul.99	Operational
002-033	211/008	May.96	Jul.99	Operational
002-033	211/009	May.96	Jul.99	Operational
002-034	211/000	May.96	Jul.99	Operational
002-034	211/001	May.96	Jul.99	Operational
002-035	211/819	May.96	Jul.99	Operational
002-035	211/820	May.96	Jul.99	Operational
002-036	211/420	May.96	Jul.99	Operational
002-036	211/421	May.96	Jul.99	Operational
002-037	211/434	May.96	Jul.99	Operational
002-038	211/428	May.96	Dec.98	Non Operational

APPENDIX B WELL OPERATIONAL STATUS

Farm_number	Well_inventory	Start Date	End Date	Status Jul 99
001-020	201/100	Mar.94	Jul.99	Operational
001-020	201/101	Mar.94	Mar.99	Non Operational
001-021	206/276	Mar.94	Jul.99	Operational
001-021	206/277	Mar.94	Jul.99	Operational
001-021	206/278	Mar.94	Jul.99	Operational
001-022	211/261	Mar.94	Jul.99	Operational
001-022	211/262	Mar.94	Jul.99	Operational
001-023	204/060	Mar.94	Jul.99	Operational
001-024	201/184	Mar.94	Jul.99	Operational
001-024	201/185	Mar.94	Jul.99	Operational
001-024	201/186	Mar.94	Jul.99	Operational
001-024	201/187	Mar.94	Jul.99	Operational
001-025	206/543	Mar.94	Jul.99	Operational
001-025	206/544	Mar.94	Jul.99	Operational
001-025	206/545	Mar.94	Nov.98	Operational
001-026	201/671	Mar.94	Feb.97	Operational
001-026	201/672	Mar.94	May.96	Non Operational
001-026	201/673	Mar.94	Nov.98	Non Operational
001-027	205/266	Mar.94	Jul.99	Operational
001-027	205/267	Mar.94	Jul.99	Operational
002-001	002/120	May.96	Jul.99	Operational
002-001	002/121	May.96	Jul.99	Operational
002-001	002/122	May.96	Jul.99	Operational
002-002	201/000	May.96	Jul.99	Operational
002-002	201/002	May.96	Jul.99	Operational
002-002	201/012	May.96	Jun.96	Non Operational
002-003	201/001	May.96	Jul.99	Operational
002-003	201/004	May.96	Jul.99	Operational
002-004	201/006	May.96	Jul.99	Operational
002-004	201/007	May.96	Jul.99	Operational
002-004	201/008	May.96	Jul.99	Operational
002-004	201/009	May.96	Jul.99	Operational
002-005	201/014	May.96	Jul.99	Operational
002-006	[illegible]	Mar.99	Jul.99	Operational
002-006	201/016	May.96	Jul.99	Operational
002-006	201/017	May.96	Feb.99	Non Operational
002-007	201/043	May.96	Jul.99	Operational
002-007	201/047	May.96	Jul.99	Operational
002-007	201/048	May.96	Jul.99	Operational
002-008	201/060	May.96	Mar.99	Non Operational
002-008	201/061	May.96	Aug.98	Non Operational
002-009	[illegible]	May.96	Jul.99	Operational
002-009	[illegible]	Dec.96	Aug.98	Non Operational
002-009	[illegible]	May.96	Jul.99	Operational
002-009	201/064	May.96	Jul.99	Operational
002-009	201/065	May.96	Mar.97	Non Operational
002-009	201/066	May.96	Nov.96	Non Operational
002-009	201/067	May.96	Oct.97	Non Operational
002-010	201/076	May.96	Jul.99	Operational
002-010	201/077	May.96	Jul.99	Operational
002-011	201/078	May.96	Jul.99	Operational
002-012	201/080	May.96	Jul.99	Operational
002-012	201/081	May.96	Jul.99	Operational

APPENDIX B WELL OPERATIONAL STATUS

Farm_number	Well_inventory	Start Date	End Date	Status Jul 99
002-038	211/429	May.96	Jul.99	Operational
002-039	211/760	May.96	Sep.96	Non Operational
002-039	211/761	May.96	Jul.99	Operational
002-039	211/763	May.96	Jul.99	Operational
002-040	201/645	May.96	Jul.99	Operational
002-040	201/646	May.96	Jul.99	Operational
002-040	201/647	May.96	Apr.99	Non Operational
002-040	201/648	May.96	Jul.97	Non Operational
002-040	201/650	May.96	Jul.99	Operational
002-040	201/651	May.96	Jul.99	Operational
002-040	201/654	May.96	Jul.99	Operational
002-040	201/655	May.96	May.96	Non Operational
002-041	203/307	May.96	Jul.99	Operational
002-042	202/938	May.96	Feb.98	Non Operational
002-042	202/939	May.96	Jul.99	Operational
002-042	202/940	May.96	Sep.98	Non Operational
002-043	203/386	May.96	Jul.99	Operational
002-043	203/387	May.96	Jul.99	Operational
002-044	203/388	May.96	Jul.99	Operational
002-045	203/390	May.96	Jul.99	Operational
002-045	203/391	May.96	Jul.99	Operational
002-045	203/392	May.96	Dec.96	Non Operational
002-045	203/393	May.96	Jul.99	Operational
002-046	203/373	May.96	Aug.97	Non Operational
002-047	203/350	May.96	Jul.99	Operational
002-047	203/351	May.96	Jul.99	Operational
002-048	203/402	May.96	Jul.99	Operational
002-048	203/403	May.96	Jul.99	Operational
002-048	203/404	May.96	Jul.99	Operational
002-049	202/930	May.96	Jul.99	Operational
002-049	202/931	May.96	Jul.99	Operational
002-049	202/932	May.96	Jul.99	Operational
002-050	201/741	May.96	Jul.99	Operational
002-050	201/742	May.96	Jul.99	Operational
002-050	202/743	May.96	Jul.99	Operational
002-051	201/824	May.96	Jul.99	Operational
002-051	201/825	May.96	Jul.99	Operational
002-052	204/467	May.96	Jul.99	Operational
002-052	204/468	May.96	Jul.99	Operational
002-053	204/442	May.96	Nov.97	Non Operational
002-053	204/443	May.96	Jul.99	Operational
002-053	204/444	May.96	Jul.99	Operational
002-053	204/445	May.96	Jul.99	Operational
002-053	204/447	May.96	Jul.99	Operational
002-054	204/419	May.96	Jul.99	Operational
002-054	204/420	May.96	Jul.99	Operational
002-055	205/333	May.96	May.96	Non Operational
002-055	205/336	May.96	Jul.99	Operational
002-056	205/255	May.96	Jul.99	Operational
002-056	205/256	May.96	Jul.99	Operational
002-057	205/216	May.96	Jul.99	Operational
002-057	205/217	May.96	Jul.99	Operational
002-057	205/219	May.96	Jul.99	Operational

APPENDIX B WELL OPERATIONAL STATUS

Farm_number	Well_inventory	Start Date	End Date	Status Jul 99
002-058	205/206	May.96	May.98	Non Operational
002-058	205/209	May.96	May.98	Non Operational
002-059	205/174	May.96	Jul.99	Operational
002-059	205/177	May.96	Jan.99	Non Operational
002-060	205/195	May.96	Jul.99	Operational
002-060	205/196	May.96	Jul.99	Operational
002-061	205/185	May.96	Jul.99	Operational
002-061	205/186	May.96	Sep.98	Non Operational
002-062	205/201	May.96	Jul.99	Operational
002-062	205/202	May.96	Jul.99	Operational
002-063	205/226	May.96	Jul.99	Operational
002-063	205/229	May.96	Jul.99	Operational
002-064	205/198	May.96	Jul.99	Operational
002-064	205/199	May.96	Jul.99	Operational
002-065	211/645	May.96	Jul.99	Operational
002-065	211/646	May.96	Jul.99	Operational
002-066	002/052	May.96	Jul.99	Operational
002-066	002/053	May.96	Jul.99	Operational
002-066	002/054	May.96	Jul.99	Operational
002-066	002/055	May.96	Jul.99	Operational
002-066	002/056	May.96	Jul.99	Operational
002-066	002/057	May.96	Jul.99	Operational
002-066	002/060	May.96	Jul.99	Operational
002-066	002/061	May.96	Jul.99	Operational
002-067	206/491	May.96	Jul.99	Operational
002-068	211/625	May.96	Jul.99	Operational
002-068	211/626	May.96	Jul.99	Operational
002-069	211/784	May.96	Jul.99	Operational
002-069	211/785	May.96	Jul.99	Operational
002-069	211/786	May.96	Jul.99	Operational
002-069	211/787	May.96	Jul.99	Operational
002-070	000/003	May.96	Jul.99	Operational
002-070	211/780	May.96	Jul.99	Operational
002-071	211/775	May.96	Jul.99	Operational
002-071	211/776	May.96	Jul.99	Operational
002-072	211/772	May.96	Jul.99	Operational
002-072	211/773	May.96	Jul.99	Operational
002-073	211/800	May.96	Jul.99	Operational
002-073	211/801	May.96	Jul.99	Operational
002-074	211/912	May.96	Jul.99	Operational
002-074	211/913	May.96	Jul.99	Operational
002-074	211/914	May.96	Jul.99	Operational
002-075	211/700	May.96	Jul.99	Operational
002-075	211/701	May.96	Jul.99	Operational
002-075	211/704	May.96	May.96	Non Operational
002-076	211/720	May.96	Jul.99	Operational
002-076	211/722	May.96	Jul.99	Operational
002-076	211/723	May.96	Jul.99	Operational
002-076	211/724	May.96	Jul.99	Operational
002-076	211/725	May.96	Jul.99	Operational
002-077	211/726	May.96	Mar.97	Non Operational
002-077	211/727	May.96	Jul.99	Operational
002-078	211/452	May.96	Jul.99	Operational

APPENDIX B WELL OPERATIONAL STATUS

Farm_number	Well_inventory	Start Date	End Date	Status Jul 99
002-078	211/453	May.96	Jul.99	Operational
002-079	211/732	May.96	Jul.99	Operational
002-079	211/733	May.96	Jul.99	Operational
002-079	211/734	May.96	Jul.99	Operational
002-079	211/735	May.96	Jul.99	Operational
002-079	211/736	May.96	Jul.99	Operational
002-079	211/737	May.96	Jul.99	Operational
002-079	211/738	May.96	Dec.96	Non Operational
002-080	211/706	May.96	Apr.98	Non Operational
002-080	211/707	May.96	Jul.99	Operational
002-081	211/742	May.96	May.99	Non Operational
002-081	211/743	May.96	Jul.99	Operational
002-082	211/740	May.96	Jul.99	Operational
002-083	211/881	May.96	Jul.99	Operational
002-083	211/883	May.96	Jul.99	Operational
002-083	211/884	May.96	Jul.99	Operational
002-083	211/886	May.96	Jul.99	Operational
002-083	211/887	May.96	Jul.99	Operational
002-084	211/874	May.96	Jul.99	Operational
002-084	211/875	May.96	Jul.99	Operational
002-084	211/876	May.96	Jul.99	Operational
002-084	211/877	May.96	Apr.97	Non Operational
002-086	211/895	May.96	Jul.99	Operational
002-086	211/896	May.96	Jul.99	Operational
002-087	211/749	May.96	Jul.99	Operational
002-088	000/005	May.96	Jul.99	Operational
002-088	211/599	May.96	Jul.99	Operational
002-088	211/600	May.96	Jul.99	Operational
002-089	211/579	May.96	Jul.99	Operational
002-089	211/581	May.96	Jul.99	Operational
002-089	211/582	May.96	Jul.99	Operational
002-089	211/583	May.96	May.99	Non Operational
002-089	211/584	May.96	Jul.99	Operational
002-090	211/601	May.96	Jul.99	Operational
002-090	211/602	May.96	Jul.99	Operational
002-090	211/603	May.96	Jul.99	Operational
002-091	211/609	May.96	Jul.99	Operational
002-091	211/612	May.96	Jul.99	Operational
002-091	211/613	May.96	Jul.99	Operational
002-092	211/575	May.96	Jul.99	Operational
002-092	211/576	May.96	Jul.99	Operational
002-092	211/577	May.96	Sep.96	Non Operational
002-092	211/578	May.96	Jul.99	Operational
002-093	211/604	May.96	Jul.99	Operational
002-094	211/666	May.96	Jul.99	Operational
002-095	211/650	May.96	Jul.99	Operational
002-095	211/651	May.96	Jul.99	Operational
002-096	206/388	May.96	Jul.99	Operational
002-096	206/413	May.96	Jul.99	Operational
002-097	000/001	May.96	Jul.99	Operational
002-097	206/401	May.96	Jul.99	Operational
002-098	206/381	May.96	Jul.99	Operational
002-098	206/382	May.96	Jul.99	Operational

APPENDIX B WELL OPERATIONAL STATUS

Farm_number	Well_inventory	Start Date	End Date	Status Jul 99
002-098	206/383	May.96	Jul.99	Operational
002-099	206/377	May.96	Jul.99	Operational
002-099	206/378	May.96	Jul.99	Operational
002-099	206/406	May.96	Jul.99	Operational
002-100	211/677	May.96	Jul.99	Operational
002-100	211/678	May.96	Jul.99	Operational
002-100	211/679	May.96	Jul.99	Operational
002-100	211/680	May.96	Jul.99	Operational
002-100	211/681	May.96	Jul.99	Operational
002-101	204/206	May.96	Jul.99	Operational
002-102	204/200	May.96	Jul.99	Operational
002-103	201/680	May.96	Jan.99	Non Operational
002-104	201/657	May.96	Jul.99	Operational
002-104	201/658	May.96	Jul.99	Operational
002-104	201/659	May.96	Jun.96	Non Operational
002-104	201/660	May.96	Jul.99	Operational
002-105	211/500	May.96	Jul.99	Operational
002-105	211/501	May.96	Jul.99	Operational
002-105	211/502	May.96	Dec.97	Non Operational
002-106	000/004	May.96	Dec.97	Non Operational
002-106	201/720	May.96	Dec.97	Non Operational
002-106	201/721	May.96	Dec.97	Non Operational
002-106	201/723	May.96	Dec.97	Non Operational
002-106	201/725	May.96	Dec.97	Non Operational
002-106	201/726	May.96	Dec.97	Non Operational
002-107	000/002	May.96	Jul.99	Operational
002-108	201/677	May.96	Jul.99	Operational
002-108	201/678	May.96	Jul.99	Operational
002-108	201/679	May.96	Jun.96	Non Operational
002-109	206/360	May.96	Jul.99	Operational
002-110	201/697	May.96	Jul.99	Operational
002-110	201/698	May.96	Jul.99	Operational
002-110	201/699	May.96	Jul.99	Operational
002-111	[redacted]	May.96	Jul.99	Operational
002-111	206/363	May.96	Jun.98	Non Operational
002-111	206/364	May.96	Jul.99	Operational
002-111	206/375	May.96	Jul.96	Non Operational
002-112	206/361	May.96	Jul.99	Operational
002-112	206/362	May.96	Jul.99	Operational
002-112	206/373	May.96	Jul.99	Operational
002-112	206/374	May.96	Jul.99	Operational
002-113	204/713	May.96	May.96	Non Operational
002-113	204/719	May.96	Jul.99	Operational
002-113	204/721	May.96	Jul.99	Operational
002-113	204/722	May.96	Jul.99	Operational
002-114	204/728	May.96	Jul.99	Operational
002-114	204/729	May.96	Jul.99	Operational
002-114	204/730	May.96	Jul.99	Operational
002-114	204/732	May.96	Jul.99	Operational
002-115	204/752	May.96	Jul.99	Operational
Farm Abandoned				
	Access Denied			
[redacted]	New Well			

APPENDIX C

FARM AREAS

APPENDIX C FARM AREAS

Farm No	Area (ha)		Farm No	Area (ha)		Farm No	Area (ha)		Farm No	Area (ha)
001-001	6.31		002-018	8.38		002-061	6.51		002-104	45.39
001-003	33.40		002-019	6.93		002-062	8.44		002-105	14.20
001-004	6.06		002-020	8.33		002-063	28.15		002-106	20.13
001-005	27.42		002-021	7.59		002-064	3.83		002-107	6.35
001-006	8.60		002-022	6.63		002-065	7.72		002-108	8.93
001-007	8.21		002-023	7.93		002-066	35.63		002-109	11.26
001-008	5.40		002-024	4.37		002-067	10.23		002-110	6.37
001-009	6.19		002-025	4.40		002-068	10.51		002-111	5.75
001-010	4.00		002-026	20.03		002-069	11.22		002-112	25.63
001-011	8.50		002-027	28.75		002-070	14.46		002-113	37.88
001-012	10.20		002-028	46.37		002-071	7.64		002-114	7.58
001-013	50.00		002-029	22.52		002-072	7.59		002-115	7.05
001-015	3.75		002-030	10.13		002-073	8.97		**Total**	**1757.50**
001-016	8.84		002-031	6.20		002-074	9.48		**Phase_2**	**1,464**
001-017	9.75		002-033	8.26		002-075	11.80		**Phase_1**	**294**
001-018	10.60		002-034	8.67		002-076	13.01		Average	12.74
001-019	10.79		002-035	7.44		002-077	9.62		Maximum	51.65
001-020	10.35		002-036	12.83		002-078	10.81		Minimum	3.21
001-021	12.10		002-037	11.39		002-079	30.14		Median	9.85
001-022	9.95		002-038	8.18		002-080	12.18			
001-023	4.27		002-039	22.53		002-081	8.35			
001-024	18.43		002-040	51.65		002-082	8.97			
001-025	11.81		002-041	7.01		002-083	21.84			
001-026	3.49		002-042	10.15		002-084	13.82			
001-027	5.58		002-043	8.98		002-086	9.08			
002-001	15.98		002-044	10.94		002-087	7.48			
002-002	8.16		002-045	8.61		002-088	14.42			
002-003	10.40		002-046	22.38		002-089	10.02			
002-004	16.10		002-047	11.10		002-090	16.39			
002-005	14.68		002-048	12.01		002-091	10.13			
002-006	9.28		002-049	8.91		002-092	16.71			
002-007	8.54		002-050	10.98		002-093	15.68			
002-008	8.57		002-051	7.25		002-094	5.08			
002-009	18.63		002-052	6.11		002-095	9.45			
002-010	8.47		002-053	29.83		002-096	16.00			
002-011	8.41		002-054	8.81		002-097	7.87			
002-012	17.20		002-055	10.97		002-098	13.72			
002-013	9.48		002-056	7.32		002-099	12.44			
002-014	8.99		002-057	6.52		002-100	12.60			
002-015	11.66		002-058	26.72		002-101	6.58			
002-016	10.59		002-059	22.40		002-102	6.76			
002-017	10.20		002-060	10.65		002-103	3.21			

APPENDIX D

ELECTRICAL CONDUCTIVITY PER WELL

Farm No.	Well No.	Apr.94	May.94	Jun.94	Jul.94	Aug.94	Sep.94	Oct.94	Nov.94	Dec.94	Jan.95	Feb.95	Aug.95	Sep.95	Oct.95	Nov.95	Dec.95	Jan.96
001-001	211/909	1,786	1,660		1,560	1,605	1,880	1,235	1,245	1,770		1,600	1,400	1,330	1,380		1,200	1,500
001-001	211/910	1,887	1,748		1,670	1,875	1,610	1,840	1,700	1,825		1,730	1,800	1,800	1,380	1,690	1,690	1,700
001-003	205/326	2,660	2,600		2,620	2,450	2,730	2,775	2,810	2,785								
001-003	205/327	2,100	2,130		2,170	2,300	2,650	2,955	3,195	3,130			2,500		2,500			
001-003	205/328	3,150	3,120		3,220	3,275	3,340	3,380	3,310	3,355			3,200	3,300	3,010			
001-003	205/329	2,050					3,280	3,240	3,385	3,195								
001-003	205/330	3,540	3,580		3,570	2,865	3,510	3,525	3,420	3,490						3,350	3,350	
001-004	211/627	1,503	1,485		1,460	1,490	1,050	1,500	1,490	1,485		1,740	1,400	1,330	1,280	1,330	1,330	1,300
001-004	211/628	791	790		810	1,480	1,090	1,095	1,160	1,605		1,810	800	800	790	1,060	1,060	
001-005	205/319	3,700	3,522		3,120	3,785	3,750	3,765	3,685	3,790		3,840	3,700	3,680	3,630	3,610	3,610	3,700
001-005	205/320	5,950	5,870		5,900	4,375	3,600	3,440	3,060	3,150			5,400	5,420	5,390	5,220	5,220	5,300
001-005	205/321	6,900	6,050		5,970	5,705	5,810	5,765	5,415	5,655		5,580	5,400	5,320	5,180	5,320	5,320	5,200
001-005	205/322	3,950	3,980		3,990	3,985	4,030	3,945	3,925	3,895		3,810	3,500	3,720	3,620	3,660	3,660	3,700
001-005	205/324	3,910	3,980		3,500	4,090	3,680	3,700	3,645	3,310		3,270	3,900		3,870	4,100		4,100
001-005	205/325	3,010	3,110		3,120	3,630	3,700	3,765	3,755	3,255		3,610		3,280		3,320	3,320	3,400
001-006	211/714	1,294	1,216		1,210	1,130	1,070	995	1,075	975		820	800	1,460	890	1,330	1,330	1,200
001-006	211/715		699		700	985	700	705	775	700			700	710	700	710	710	700
001-006	211/716	768	781		800	830	850	850	825	805			800		900			
001-007	204/183	2,690		2,670		2,620	2,610	2,605	2,595	2,590		2,610	2,700	2,670	2,660	2,660	2,660	2,600
001-007	204/952							1,620	2,440	2,240		2,840	1,800	1,770	1,820	1,880	1,880	1,900
001-008	201/433					910		890	790	920			900		810			800
001-008	201/434	805	795		810		770	815	810	820			800	800	810	810	810	800
001-009	211/402	1,302	1,138		1,110	1,095	1,080	1,040	1,070	1,050			1,000	1,130	1,060	1,050	1,050	1,000
001-009	211/403	1,225	1,240		1,240	1,120	1,150	1,085	1,120	1,145			1,100		1,060		1,160	1,200
001-010	211/413	820	820		820	975	970	1,045	1,490	1,090			1,000	820	810	810		820
001-010	211/414	941	1,028		1,510	1,175	1,010	1,000	1,285	1,240			1,200	870	1,860			1,100
001-011	211/813	932				1,995	1,810	1,585	1,050	1,185						1,550	1,550	
001-011	211/814	906	874		880	1,235	880	1,115	955	1,205			1,100	900	830			900
001-011	211/908	1,072	1,040		1,050	1,445	1,160	1,000	1,030	1,055								
001-012	205/290	1,733	1,738		1,990	1,805	1,910	1,930	1,555	2,080		2,170		2,120				
001-012	205/291	1,770	1,633		1,730	1,855	1,820	1,955	2,195	2,020		2,210						
001-012	205/293	3,370						2,190	2,080	2,205		2,710		3,060	3,010	2,970	2,970	
001-013	204/141	1,670		1,717		1,445	1,750	1,495	1,750	1,770		1,800	1,600	1,710		1,711		
001-013	204/142	1,710		1,705		1,970	1,730	1,765	1,805	1,780			1,800	1,730		1,780		
001-013	204/143	2,660		2,470		2,155	2,710	2,245	2,005	1,975		2,600	2,900	3,000		3,130		
001-013	204/146	1,720		1,940		1,960	2,060	2,250	2,060	2,070		2,110						
001-013	204/147	2,190		1,500		1,840	2,080	2,005	1,955	1,970		2,030	1,500	1,630		1,720		

APPENDIX D ELECTRICAL CONDUCTIVITY PER WELL (μScm^{-1}) - PHASE 1

Farm No.	Well No.	Apr.94	May.94	Jun.94	Jul.94	Aug.94	Sep.94	Oct.94	Nov.94	Dec.94	Jan.95	Feb.95	Aug.95	Sep.95	Oct.95	Nov.95	Dec.95	Jan.96
001-013	204/148	2,250		2,177		2,145	2,040	2,170	2,010	2,025		2,410	2,100	2,100		2,190	2,100	
001-013	204/149	2,800		2,880		2,740	2,770	2,510	2,440	2,500		2,730	2,700	2,750		2,660	2,660	
001-013	204/150	2,890		2,840		1,510	3,090	2,605	1,905	2,410		2,170	2,700	2,650		2,740	2,600	
001-013	204/151			1,970		2,055	2,040	2,070	2,075	2,085		2,090	2,000	2,050		2,020		
001-015	201/475	5,780			5,600	3,200	5,480	6,700	5,330	6,395			6,800			5,750		
001-015	201/476	6,450				5,490	5,200	6,055	4,305	4,695			6,900	7,050		6,920		
001-015	201/477				4,780	4,020	4,280	5,525	3,560	4,020				8,180		4,400		
001-016	203/111	13,360			9,350	8,500		11,560	8,750	7,960			12,500			9,990		
001-016	203/112	6,530		6,970		7,200		7,410	4,225	4,200							4,760	
001-017	201/229	2,090			2,150	1,910	1,940	2,320	2,320	2,300		2,280						
001-017	201/332	2,120	2,090		2,200	1,840	2,100	2,270	2,350	2,400		2,140	2,000	1,920		1,960	2,150	
001-018	203/185	1,672	1,633		1,710	1,805	2,030	2,360	2,115	2,235		2,100	1,800	2,130		1,870	1,980	
001-018	203/273	1,452	1,318		1,390	1,470	1,460	2,150	1,440	1,480		1,500	1,800	1,440		1,510	1,440	
001-019	204/124	1,280				2,025	1,600	1,390	1,395	1,610			1,400	1,400		1,440	1,400	1,300
001-019	204/125	1,471				1,950	1,710	1,570	1,590	1,760			1,900	1,760				1,900
001-019	204/126	1,660				1,885	1,920	1,730	1,840				1,700	1,710		1,710	1,730	1,700
001-020	201/100	1,588	1,586		1,580	1,575	1,550	1,550	1,555	1,515		1,510	1,600	1,670		1,560	1,510	1,500
001-020	201/101	1,855	1,840		1,770	1,760	1,580	1,470	1,530	1,690		1,740		1,450		1,370		
001-021	206/276	1,112	1,075		1,180	1,240	1,250	1,975	1,215	1,205		1,200	1,500			1,770	1,150	
001-021	206/277	1,847	1,708		1,900	1,960	2,310	2,575	1,805	1,150		1,270		2,120		1,160	2,030	
001-021	206/278	3,480	2,580		2,010	2,310	2,520	2,785	1,915	1,205		1,470	3,300	2,990		2,090	2,220	
001-022	211/261	3,030	2,940		2,960	2,965	2,970	2,985	2,660	2,445		2,750	3,300	3,380		3,420	3,500	
001-022	211/262	1,809	1,852		2,600	2,100	2,190	2,260	2,270	2,440		2,750					4,000	
001-023	204/060	3,360				3,465	3,530	3,475	3,375	3,855			3,600	3,600		3,680	3,960	3,600
001-024	201/184	2,630		2,550		2,590	2,220	2,450	2,475	2,540		2.630		2,660		2,680	2,710	2,700
001-024	201/185	2,670		2,650		2,675	2,710	2,670	2,745	2,760		2,750		2,740		2,770	2,780	2,700
001-024	201/186	2,390		2,260		2,625	2,380	2,480	2,520	2,900		2,560		2,640		2,700		
001-024	201/187	2,160		2,530		2,525	2,730	2,675	2,160	2,435		2,730				2,120	2,870	2,400
001-025	206/543	1,618	1,537		2,400	1,595	1,600	2,025	1,575	2,330		2,210	1,600	1,650				
001-025	206/544	1,972	2,080		2,700	1,280	1,710	1,995	1,670	1,620		2,400	1,600					
001-025	206/545	1,543	1,595		2,610	1,710	1,580	2,145	1,555	1,455		1,950	1,500					
001-026	201/671	10,030	10,321		8,285	11,250	8,500	10,363	11,100	10,955		11,900	11,800	11,170		13,750	13,750	13,500
001-026	201/672	7,620	8,010		7,950	7,730	8,000	7,720	8,680	7,970		7,320	7,600	7,620		7,000	7,000	7,800
001-026	201/673		7,860		8,015	8,300	7,400	8,620	7,950	7,840		8,240						
001-027	205/266	963	1,034		960	810	950		1,020	925		910	1,200	970		980	930	900
001-027	205/267							1,040	1,035	1,040			1,200	990		980	1,000	900

APPENDIX D ELECTRICAL CONDUCTIVITY PER WELL (μScm^{-1}) - PHASE 1

Farm No.	Well No.	Feb.96	Mar.96	Apr.96	May.96	Jun.96	Jul.96	Aug.96	Sep.96	Oct.96	Nov.96	Dec.96	Jan.97	Feb.97	Mar.97	Apr.97	May.97	Jun.97
001-001	211/909	1,520	1,570	1,510	1,490	1,350			1,150	1,580	1,580	1,200	1,440		1,630			
001-001	211/910	1,600	1,650	1,630	1,610	1,320			1,570	1,570	1,320	1,570	1,550		1,610	1,550		
001-003	205/326				3,130	3,030	3,200	3,110	3,170	2,810	3,210	4,280	4,840		4,440	5,180		
001-003	205/327							2,370			2,530							
001-003	205/328						4,020											
001-003	205/329																	
001-003	205/330		3,870				3,320											
001-004	211/627	1,290	1,720	1,270	1,250	1,280	1,340	1,300	1,310	1,300	1,290	1,290	1,250		1,310	1,310		
001-004	211/628	810		800	1,250	810	820	810	1,020	810	1,020	820	1,250		830	820	1,320	1,270
001-005	205/319	3,820	3,900	3,870	3,930	3,890	3,810	3,780	3,720	3,670	3,660	3,660	3,660	4,000	3,740		3,850	3,950
001-005	205/320	5,270	5,034	5,290	5,400	5,440	5,300	5,220	5,140				4,970					
001-005	205/321	5,380	5,300	5,130	5,270	5,270	5,200	5,270	5,670		6,140	5,120	5,050	5,020	3,900	5,170		5,290
001-005	205/322	3,730	3,730	3,870	3,880	4,010	4,020	3,950	3,880		3,730	3,700	3,670	3,090	3,770	3,790		3,930
001-005	205/324	4,210	4,190	4,120	4,200	4,210	4,110			4,100		4,210			4,220		4,240	
001-005	205/325	3,520	3,340	4,500	3,900	4,200	4,230			3,360		3,500	3,440					
001-006	211/714	1,350	1,280	840	1,410	880	1,260	1,051	1,490	910	1,110	970	1,220					
001-006	211/715	720	730	720	720	720	720	740	750	750	750	760	760			770	780	790
001-006	211/716		930	940	1,040	1,050	1,070			890	970	1,010	950	940	950	1,000	930	
001-007	204/183	2,710	2,380	2,810	2,690	3,280	2,720	2,690	2,660		2,640	2,650	2,620	2,610	2,640	2,630	2,660	
001-007	204/952	1,870	1,780	1,820	1,810	1,990	1,940			1,970	2,020	2,010	2,030			2,030	2,040	
001-008	201/433	880	900			890	830	890		900	840							
001-008	201/434	820	820	830	840	830	830	830	830	820	830	840	820		830	830	830	850
001-009	211/402	1,030	1,040	1,110	1,140	1,100	1,000	1,100	1,060	1,110	1,040	990	1,020	1,010	1,080		1,050	
001-009	211/403	1,310	1,280	1,260	1,240	1,250	1,200	1,250	1,270	1,260	1,270	1,210	1,270	1,050	1,380		1,470	1,350
001-010	211/413	830				1,350	820	1,170	1,420	820	1,420	820	810		830	1,130		
001-010	211/414	880	1,185	1,810	1,840	1,910	2,160	1,170	2,030	1,710	2,090	1,920	1,950		1,880			1,830
001-011	211/813		930		680	800	830	850	850									
001-011	211/814			900	830	820	830	850	850	860	860	1,020	890			1,000	950	890
001-011	211/908								1,130									
001-012	205/290	2,650	2,450		2,410	1,990	2,060		2,240	2,390			2,510			2,530		
001-012	205/291		2,550	2,440	2,390	2,250	2,210											
001-012	205/293	3,290	3,310		3,490	3,290	3,220	3,200	3,120	3,120	3,100		3,100					
001-013	204/141	1,810	1,540	1,660	1,880	1,700	1,650	1,670	1,650	1,660	1,660	1,670	1,600	1,680		1,700		
001-013	204/142	1,980	1,910	1,870	2,110	1,930	1,950	1,960		1,990	1,970	1,970	2,000	2,020	1,980	1,990	1,940	
001-013	204/143	3,430	3,310	3,170	4,000	3,170	3,070	3,080	2,980	3,230	3,320	3,260	3,230	3,550				
001-013	204/146																	2,080
001-013	204/147	1,800	2,340	1,760	2,010	2,090	2,000	2,010	2,010	2,050	2,050	2,300	2,020	2,040		2,150	2,140	

APPENDIX D ELECTRICAL CONDUCTIVITY PER WELL (μScm^{-1}) - PHASE 1

Farm No.	Well No.	Feb.96	Mar.96	Apr.96	May.96	Jun.96	Jul.96	Aug.96	Sep.96	Oct.96	Nov.96	Dec.96	Jan.97	Feb.97	Mar.97	Apr.97	May.97	Jun.97
001-013	204/148	2,190	2,180	2,190	2,830	2,110	2,090	2,160	2,050		2,040	2,500		2,050	2,060			2,080
001-013	204/149	2,190				2,630	2,580	2,620	2,590	2,540	2,650	2,590	2,600	2,630			2,530	2,600
001-013	204/150	2,230	2,150	3,090	2,930	2,080	2,040			2,020								
001-013	204/151	2,140	2,060	2,120	1,990	2,090	2,050	2,040	2,030	2,030		2,030	2,040	2,020	2,050	2,100		
001-015	201/475											7,630						
001-015	201/476	6,630	6,800	6,780	6,700	6,800	6,690	7,020	6,830	6,820	7,020	6,910	6,920	6,830	6,980			6,970
001-015	201/477						3,830					4,400						
001-016	203/111	12,140	10,490	12,840	10,920	12,820	12,700	13,500	12,600		10,400							
001-016	203/112								4,850	4,720								
001-017	201/229											2,000						
001-017	201/332	2,080	2,160	2,030	1,990	1,960	1,920	1,960			2,140			2,090	2,110		2,140	2,150
001-018	203/185	1,980	1,970	2,140	1,900	1,790	1,730	1,650	1,690	1,710	1,630	1,620	1,600	1,720	1,570		1,560	1,550
001-018	203/273	1,600	1,470	1,570	1,560	1,540	1,540	1,520	1,570	1,510	1,540	1,580	1,550					
001-019	204/124	1,400	1,460	1,450	1,520	1,550	1,530	1,560	1,550	1,560	1,530	1,500	1,550	1,540	1,570		1,610	1,640
001-019	204/125			1,990	1,980	1,950	1,920	1,980	1,970	1,980			2,000	2,050		2,090		
001-019	204/126	1,730	1,720	1,690	1,750	1,830	1,750	1,730	1,750	1,780	1,740	1,740	1,730	1,790		1,760	1,790	
001-020	201/100	1,550	1,550	1,540	1,800	1,570	1,540	1,550	1,540	1,550	1,560	1,550	1,550	1,560	1,600			1,570
001-020	201/101	1,550	1,530	1,230	1,330	1,240	1,280	1,370	1,400	1,450	1,410	1,420	1,460					
001-021	206/276	1,260			1,130	1,120	1,120	1,130	1,110	1,130		1,120			1,130			
001-021	206/277	2,360		1,960	1,900	1,900	1,900	1,900	1,880	1,920	1,860	1,920		2,050	1,990	1,950	1,980	1,280
001-021	206/278	3,690		3,180	3,060	2,820	2,500	2,300	2,170	1,140		1,120	1,150		1,130			
001-022	211/261	3,380	3,650	3,680	3,540	3,480	3,500	3,570	3,590	3,540	3,760	3,770	3,780			3,730		3,760
001-022	211/262			3,800		4,890	4,900											5,500
001-023	204/060		3,650		4,110		3,790	3,900	3,970	4,050		4,000				3,880	3,980	
001-024	201/184	2,990	2,730		2,800	2,780	2,820	2,890	2,950	2,940	2,980	3,040	3,020		3,070	3,020	3,070	3,110
001-024	201/185	2,800	2,830	2,810	3,080	2,850	2,820	2,860	2,860	2,900	2,920	2,900	2,900	2,900	2,920	2,920	2,930	2,940
001-024	201/186	2,830		3,070	3,120	2,930	2,960	3,030	3,040	3,090	3,140	3,140			3,190			3,210
001-024	201/187	2,700	2,170	2,340	2,400	2,270	2,120	2,150	2,100	2,000								2,140
001-025	206/543	1,590	1,620	1,630	1,670	2,320	1,680	1,710	1,720	1,660	1,850	2,310	1,670			1,700	1,750	
001-025	206/544		1,610		2,220	2,300	2,270					2,500						
001-025	206/545	1,600	1,600	1,640	1,670	2,410					1,810	2,300						
001-026	201/671	16,500	13,490	14,060	14,060	14,710	15,400		15,780	16,680	17,380	17,120	17,500			18,450		
001-026	201/672	7,740	7,740	7,850		14,620	14,800	15,368				7,800						
001-026	201/673					13,670		14,010				15,540						
001-027	205/266		950	1,000	1,000	950	1,000	900	990	900	970	930	890			900		
001-027	205/267		990	1,000	1,000	1,010	1,000	1,000	1,010	1,000	1,000	1,000	980		1,000			

APPENDIX D ELECTRICAL CONDUCTIVITY PER WELL (μScm^{-1}) - PHASE 1

Farm No.	Well No.	Jul.97	Aug.97	Sep.97	Oct.97	Nov.97	Dec.97	Jan.98	Feb.98	Mar.98	Apr.98	May.98	Jun.98	Jul.98	Aug.98	Sep.98	Oct.98	Nov.98
001-001	211/909		1,360			1,420			1,750		1,740		1,470	1,430		1,400		
001-001	211/910		1,700		1,700	1,700		1,600					1,650	1,670				
001-003	205/326	5,180	5,170					4,750				4,620		4,410	3,740	4,600		
001-003	205/327										2,720							
001-003	205/328										3,060			3,500				
001-003	205/329																	
001-003	205/330																	
001-004	211/627		1,290	1,310	1,280	1,300	1,280				1,260	1,260	1,540	1,270	1,270	1,290	1,300	
001-004	211/628	840	1,270	830	830	830	820	820			830	820	820	830	840	840	840	
001-005	205/319	3,940	3,880		3,850	3,870		3,900	3,990	4,040	4,070	4,130	4,100	4,080			4,130	
001-005	205/320			5,210												5,260	5,380	
001-005	205/321	5,310	4,990	5,410	4,870	4,850	4,820		4,930	5,060	5,160	5,260		5,190	5,170			
001-005	205/322	3,940	3,910	3,980	4,050	4,190	4,360	4,550			4,750	4,750	4,700	4,780	4,790			
001-005	205/324						4,160	4,240	4,310									
001-005	205/325																	
001-006	211/714								1,260		1,300					1,160	870	
001-006	211/715	780		810	790		820	820	820		820	810	800	810	820	830	840	
001-006	211/716	980	1,000	1,050	1,040		930					940		1,030	970	1,080		
001-007	204/183	2,740	2,610						2,200		2,490	2,500	2,500		2,540			
001-007	204/952									2,150	2,160	2,140	2,150	2,130			2,200	
001-008	201/433					900								850	910			
001-008	201/434	850	820	840	850	840		830		860	840	840	830	860			870	
001-009	211/402	1,120	1,070		1,120	1,030			1,030		1,090	1,210	1,180	1,090		1,080	1,040	
001-009	211/403	1,450	1,410		1,510	1,470		1,530	1,480		1,540	1,580	1,570	1,560	1,560	1,590	1,580	
001-010	211/413		880		930	840	840	1,060		880	850		840	840	850	1,190		
001-010	211/414	2,050	1,710	2,290							2,100		2,010	1,950	1,850	1,750	1,990	
001-011	211/813																	
001-011	211/814	890	880	890			920	990			1,020		900	880	910	900	920	
001-011	211/908																	
001-012	205/290						2,450											
001-012	205/291				2,350	2,300							1,890					
001-012	205/293																	
001-013	204/141	1,760	1,870	1,990								2,760	2,570	2,471			2,540	
001-013	204/142	1,910	1,890	1,840	1,860			1,860		1,850		1,810	1,800	1,170	1,780			
001-013	204/143				3,370	3,500						3,410	3,350	3,330	3,600		3,660	
001-013	204/146	2,060	2,020	1,850	2,050	2,060			2,120	2,100		2,110	2,070	2,080			2,070	
001-013	204/147	2,170	2,160					2,380	2,550	2,100		2,220	2,220	2,230	2,160			

APPENDIX D ELECTRICAL CONDUCTIVITY PER WELL (μScm^{-1}) - PHASE 1

Farm No.	Well No.	Jul.97	Aug.97	Sep.97	Oct.97	Nov.97	Dec.97	Jan.98	Feb.98	Mar.98	Apr.98	May.98	Jun.98	Jul.98	Aug.98	Sep.98	Oct.98	Nov.98
001-013	204/148	2,030		2,050	1,990	1,990		2,030	2,070	2,070			2,020	1,980	2,080		2,100	
001-013	204/149	2,580	2,530	2,540	2,530	2,600		2,570	2,630	2,580		2,620	2,560	2,560	2,970		2,790	
001-013	204/150																2,700	
001-013	204/151	2,130	2,100			2,140		2,240	2,270	2,160		2,230	2,200	2,200	2,190		2,260	
001-015	201/475											7,510	7,440	7,530	7,420	7,600		
001-015	201/476			6,800	6,800	6,900						7,070		7,190		7,120		
001-015	201/477															4,210		
001-016	203/111																	
001-016	203/112												4,970					
001-017	201/229							1,830			1,800		1,770	1,830			1,770	
001-017	201/332			2,100	2,120			2,140	2,210				2,200				2,190	
001-018	203/185	1,550	1,480	1,470		1,450		1,420	1,430		1,530	1,640	1,540	1,560	1,540		1,550	
001-018	203/273			1,590		1,590			1,580	1,610	1,600	1,620	1,600	1,560	1,570	1,520		
001-019	204/124	1,660	1,620	1,660	1,640	1,650					1,670	1,690	1,670	1,690	1,700		1,710	
001-019	204/125		2,060	2,080							2,140	2,140	2,100					
001-019	204/126	1,770	1,690	1,770	1,830	1,880		1,820	1,820	1,820	1,860	1,810	1,790	1,780	1,800		1,830	
001-020	201/100				1,670		1,650	1,820	1,850		1,830	1,810	1,780		2,040	1,800		
001-020	201/101									1,510								
001-021	206/276	1,110		1,130		1,150	1,100	1,140		1,940	1,180				1,140	1,120		
001-021	206/277	1,930							1,940	1,880					1,730	1,690	1,720	
001-021	206/278	2,050	1,950			2,250		1,150		1,940			1,740		1,140	1,680	1,710	
001-022	211/261		4,180		4,350	4,410	4,340		4,320	4,380	4,300	4,280		4,400		4,520		
001-022	211/262	5,900	5,880		6,280	6,520	6,160	6,610	6,210	5,480	7,280	8,410	8,800	9,090	9,070	8,430	9,250	
001-023	204/060	4,170	3,980						4,100			4,250						
001-024	201/184			3,200	3,250	3,250	3,150				3,270		3,260	3,260	3,320	3,320	3,130	
001-024	201/185	3,000	2,900	2,950	2,970	2,960	2,850	2,900	2,900	2,970	2,990	2,980	2,990	3,010	3,030	3,030	3,050	
001-024	201/186				3,260	3,230					3,250					3,180		
001-024	201/187												2,140	2,180	2,190	2,160		
001-025	206/543		1,800			1,730					1,800				1,840	1,860	1,820	
001-025	206/544												2,470	2,430				
001-025	206/545									1,830	1,860			1,910		1,930		
001-026	201/671																	
001-026	201/672																	
001-026	201/673		18,910		20,100				22,800		23,600							
001-027	205/266																	
001-027	205/267																	

APPENDIX D ELECTRICAL CONDUCTIVITY PER WELL (μScm^{-1}) - PHASE 1

Farm No.	Well No.	Dec.98	Jan.99	Feb.99	Mar.99	Apr.99	May.99	Jun.99	Jul.99
001-001	211/909	1,280		1,720		1,790	1,710	1,600	1,490
001-001	211/910	1,420		1,590		1,760	1,780	1,800	1,740
001-003	205/326	3,860		3,240		4,050	3,980	3,860	3,900
001-003	205/327	2,590						3,270	
001-003	205/328								
001-003	205/329								
001-003	205/330								
001-004	211/627			1,210			1,280	1,290	1,270
001-004	211/628	690		780		830	860	840	830
001-005	205/319	3,640	3,410			4,190	4,190	4,130	4,170
001-005	205/320					5,290		5,480	
001-005	205/321								
001-005	205/322	4,090					4,450	4,410	4,410
001-005	205/324					4,580		4,500	
001-005	205/325								
001-006	211/714			970		1,250	1,280	1,330	
001-006	211/715			800			860	850	850
001-006	211/716	850							
001-007	204/183	2,210	2,610			2,720	2,700		
001-007	204/952	1,790		1,910		2,250	2,250	2,260	2,270
001-008	201/433						850		
001-008	201/434			770		830	840	860	830
001-009	211/402	860		1,000		1,150	1,180	1,150	1,150
001-009	211/403	1,240		1,490		1,670	1,680	1,650	1,640
001-010	211/413	760	790	780		840	860	850	870
001-010	211/414	1,470		1,880		2,050	2,240	2,080	2,190
001-011	211/813								
001-011	211/814	820		990		1,070	1,060	1,000	900
001-011	211/908								
001-012	205/290								
001-012	205/291					2,340			
001-012	205/293								
001-013	204/141			2,100		2,470	2,380	2,420	2,380
001-013	204/142			1,390		1,750	1,770	1,760	1,770
001-013	204/143			2,870		3,460	3,410	3,520	3,430
001-013	204/146			1,670				2,100	2,130
001-013	204/147							2,410	2,270

APPENDIX D ELECTRICAL CONDUCTIVITY PER WELL (μScm^{-1}) - PHASE 1

Farm No.	Well No.	Dec.98	Jan.99	Feb.99	Mar.99	Apr.99	May.99	Jun.99	Jul.99
001-013	204/148			1,730		2,150	2,220	2,210	2,190
001-013	204/149		2,550	2,120		2,560		2,540	2,520
001-013	204/150								
001-013	204/151		2,250	1,950		2,520	2,500	2,560	2,540
001-015	201/475	6,820					7,880	7,890	7,920
001-015	201/476	6,230					7,530	7,430	
001-015	201/477								
001-016	203/111								
001-016	203/112								
001-017	201/229	1,540	1,740	1,560				1,780	1,790
001-017	201/332	1,860	2,150	2,030			2,320	2,360	2,340
001-018	203/185		1,420	1,340			1,460	1,420	1,420
001-018	203/273	1,370	1,380	1,290			1,530	1,520	1,510
001-019	204/124	1,480		1,540		1,750	1,760	1,760	1,790
001-019	204/125	1,820				2,130	2,180	2,180	2,150
001-019	204/126	1,540	1,740	1,550		1,770	1,810	1,800	1,780
001-020	201/100			1,590		1,780	1,790	1,780	1,790
001-020	201/101								
001-021	206/276	1,010						1,110	1,120
001-021	206/277	1,430	1,490			1,640		1,650	1,660
001-021	206/278	1,480	1,470			1,650		1,610	
001-022	211/261		4,460	4,300			4,650	4,870	4,850
001-022	211/262	8,380	7,400	8,470			8,270		
001-023	204/060						4,190		4,220
001-024	201/184	2,870	2,910	3,060			3,380	3,400	3,420
001-024	201/185	2,730	2,700	2,800		3,120	3,130	3,130	3,120
001-024	201/186								
001-024	201/187					2,220			
001-025	206/543	1,620				1,860			1,990
001-025	206/544								
001-025	206/545								
001-026	201/671								
001-026	201/672								
001-026	201/673								
001-027	205/266								
001-027	205/267		790						1,010

APPENDIX D ELECTRICAL CONDUCTIVITY PER WELL (μScm^{-1}) - PHASE 2

Farm No.	Well No.	May.96	Jun.96	Jul.96	Aug.96	Sep.96	Oct.96	Nov.96	Dec.96	Jan.97	Feb.97	Mar.97	Apr.97	May.97	Jun.97	Jul.97	Aug.97
002-001	002/120	1,100		1,050	1,050	1,040	840	850	1,050	1,050	1,090	1,070		1,100	1,090	1,060	1,030
002-001	002/121	830	840	830	840	840	840	860	840	840	860	840	820		820	830	
002-001	002/122	1,150	1,160	1,150	1,160	1,150	1,110	1,140	1,050	1,050	1,050	1,030	1,020	1,010	1,020	1,130	1,020
002-002	201/000	6,170	6,950	6,170	6,260	6,260	6,230	6,270			6,250		6,390	6,400	6,620	6,610	
002-002	201/002	7,170	6,950	7,160	6,280	6,060	7,220	6,290		6,760	6,240		7,180	6,410	7,540		7,180
002-002	201/012	6,930	5,880	6,190			6,250										
002-003	201/001			3,780	3,570	3,590	3,600	3,720	3,590				3,850	3,860	3,910		3,830
002-003	201/004	5,530	5,440	5,430		5,580	5,590	5,640	5,740	5,470	6,090						
002-004	201/006	1,550	1,520	1,530	1,540	1,510	1,650	1,750	1,810	1,840	1,820	1,800	1,950	1,910	2,020	2,140	2,330
002-004	201/007		2,960	3,020	3,120	3,210	3,340	3,450	3,450		3,280	3,340	3,280	3,370	3,420	3,430	3,450
002-004	201/008	3,280	3,240	3,190	3,260	3,290	3,400	3,420	3,380	3,230	3,270	3,220	3,320	3,220	3,310	3,410	3,540
002-004	201/009	3,880	3,800	3,940	4,300	4,110	4,190	4,200	4,190	4,140	4,050	4,050	4,110	3,990	4,130	4,150	4,230
002-005	201/014	1,880	1,840	1,860	1,870	1,850	1,860		1,990	1,870	1,910	1,930	1,960	1,990	1,970		1,970
002-006	201/016	4,610	4,640	4,680	4,680	4,710	4,760	4,810	4,650	4,580	4,630		4,810	4,900	4,980	5,040	5,120
002-006	201/017	5,100	5,190	5,360	5,580	5,750	5,950	6,120	6,100	6,150	6,260	6,360	6,320		6,510	6,720	6,980
002-006	000/008																
002-007	201/043	1,840	1,840	1,880	1,830	1,830	1,790	2,040	2,010	1,880	2,150	2,020	2,060	2,130	2,220	2,240	2,250
002-007	201/047	1,970	2,200	1,990		2,010	2,030	2,040	2,050	2,010	2,000	2,380	2,050	2,090	2,160	2,230	2,280
002-007	201/048	2,220	2,200	2,270		2,340	2,370	2,440		2,360	1,980	2,380	2,380		2,530	2,610	2,650
002-008	201/060	2,180	2,190	2,220	2,320	2,410	2,470	2,560	2,810	2,720	2,780		2,980	3,090	3,260	3,390	3,600
002-008	201/061	3,370	3,500	3,920	4,010	6,060	4,560	4,690	5,620	6,030	5,870	6,660	7,290	7,660	8,130	8,310	
002-009	000/007										2,300		2,730	2,980	3,280	3,720	4,210
002-009	201/064	4,410	4,530	4,720	4,890	5,170		5,720	5,750	6,090	6,330	6,900	7,070	7,800	8,270	8,560	9,060
002-009	201/065	8,140	9,730	9,680	9,720	10,220	11,110	9,780									
002-009	201/066	9,650	11,260		9,440	9,170	10,270	6,820									
002-009	201/067	8,080	7,600	7,940	8,650	9,270	9,810	10,010	8,560						12,940	13,510	
002-009	000/009												1,650				4,560
002-009	000/010																
002-010	201/076		2,720	2,750	2,800	2,780	2,780	2,750	2,730	2,680	2,670	2,710		2,730	2,740	2,630	2,720
002-010	201/077		3,000	2,870	3,050	3,040	3,050	3,070	3,130	3,050	3,050	3,100	3,120				
002-011	201/078		1,650	1,650	1,630	1,600	1,630	1,600	1,360	1,570	1,570	1,600	1,620	1,620			1,670
002-012	201/080	1,750	1,670	1,740	1,810	1,840	1,850	1,850	1,790	1,890	1,850			1,890		1,920	1,930
002-012	201/081	1,990	2,040	2,080	2,110	2,160	2,150	2,200	2,180	2,190	2,190	2,160	2,200	2,140	2,230		2,160
002-012	201/871	1,310	1,280	1,300	1,340	1,370	1,560	1,500	1,560		1,520				1,460		1,510
002-013	201/094	3,710	3,760		3,900	3,960	3,970	3,970	4,030	4,080	4,110	4,160	4,260	4,270	4,400		4,530
002-014	201/154	2,510	2,500	2,540	2,700	2,620	2,640	2,690	2,720	2,690	2,700	2,660	2,680	2,270	2,640		

APPENDIX D ELECTRICAL CONDUCTIVITY PER WELL (μScm^{-1}) - PHASE 2

Farm No.	Well No.	May.96	Jun.96	Jul.96	Aug.96	Sep.96	Oct.96	Nov.96	Dec.96	Jan.97	Feb.97	Mar.97	Apr.97	May.97	Jun.97	Jul.97	Aug.97
002-014	201/155	2,140		2,170	2,260		2,620	2,460	2,520		2,520			2,470	2,490		
002-015	201/203	2,940	3,130	2,990	3,300	3,330		2,930	2,640	2,710	2,640	2,280	2,840	3,250	3,820	3,930	4,180
002-015	201/204	1,650	1,650	1,750	1,740	1,720	1,760	1,820		1,920				2,230		2,420	
002-015	201/205	2,320	2,420	2,450	2,570	2,570	2,610	2,710		2,580		2,790		2,860	3,140		3,220
002-015	201/206	1,920	1,950	1,980	1,950	1,960	1,940	1,920				2,000	1,990	1,990	2,080		
002-016	201/252	1,720	1,850	1,860	1,920	1,910	1,960	2,070	2,170	2,250	2,230	2,190	2,270	2,380	2,310	2,410	2,430
002-017	201/259	5,850	12,860				6,270	9,430									
002-017	201/390	6,040	6,670	6,920		7,440	8,130	8,110		6,210	6,260	6,840		6,270	7,420		8,070
002-018	201/306	3,100	3,100	3,060	3,070	3,100	3,030		2,880	3,900	2,870		2,930		2,870		2,720
002-019	201/393	3,420	3,580	3,380		3,400	3,070			3,350		3,470	3,430				3,510
002-020	201/394	8,560	8,720	8,860	9,180	8,720	8,390	9,930	10,100	8,750	8,550	8,880	8,680		9,350	9,470	9,510
002-020	201/395	7,780	7,750	8,040	8,060	8,380	8,210	8,610	8,220	8,620	8,340	8,400	8,290	8,880	9,410		
002-021	203/227	1,000	990	990	990	980		960	960			970		1,000			
002-021	203/228	1,630	1,510	1,510	1,460	1,440		1,500	1,590			1,570		1,650	1,630		
002-022	203/237	1,660	1,620		1,600	1,620	1,740	1,630	1,730		1,660		1,600	1,910	1,670	1,720	1,730
002-023	203/240	1,570	1,530	1,520	1,670	1,670	1,640	1,680	1,590	1,680	1,610		1,650				1,670
002-024	211/181	940	940	940	950	980	1,010	1,010	1,000	990	1,010	970	970		930	970	970
002-025	211/183	1,250	1,270	1,270	1,260	1,290	1,250	1,260	1,280	1,290	1,310		1,300	1,310	1,330	1,340	
002-026	211/185	1,340	1,350	1,350	1,360	1,370	1,380	1,380	1,390	1,400	1,460	1,400	1,600	1,390			1,390
002-026	211/187		1,460	1,460	1,460	1,470	1,480	1,480	1,500	1,500	1,540	1,530			1,530	1,530	1,510
002-026	211/188	1,160	1,150	1,130	1,130	1,130	1,120	1,110	1,120	1,110	1,140	1,130		1,150	1,170	1,140	1,130
002-027	211/194	1,650	1,660	1,650	1,640	1,650	1,640	1,630	1,640	1,610	1,640	1,580	1,600	1,550	1,550	1,510	1,500
002-027	211/195	1,530	1,530	1,500	1,510	1,480	1,450	1,420	1,440								
002-027	211/196	1,550															
002-027	211/197	1,510	1,530	1,500		1,620					1,540						
002-028	211/166																
002-028	211/200	1,250	1,210	1,230	1,150	1,190	1,190	1,240	1,320	1,350	1,410						
002-028	211/201	1,250	1,190	1,200	1,260	1,160	1,200	1,230		1,150			1,210	1,220			
002-028	211/202	1,250		1,260	1,300												
002-028	211/203	1,350	1,360	1,350	1,330	1,300	1,290	1,300		1,280	1,350	1,360	1,370	1,390	1,410	1,440	1,410
002-028	211/204	1,280	1,300	1,300	1,280	1,150	1,260	1,280	1,320	1,380	1,450	1,500			1,520		
002-028	211/205	1,570	1,660	1,420	1,520	1,460	1,430	1,470	1,510	1,600	1,660	1,700					
002-028	211/206	1,220	1,120		1,170	1,110	1,070	1,090	1,140	1,230	1,300		1,210	1,230		1,200	1,140
002-029	204/256					11,230			9,980								
002-029	204/260																
002-029	204/261	10,680	11,270	13,100	11,200	11,040	11,110			11,400		11,400					

APPENDIX D ELECTRICAL CONDUCTIVITY PER WELL (μScm^{-1}) - PHASE 2

Farm No.	Well No.	May.96	Jun.96	Jul.96	Aug.96	Sep.96	Oct.96	Nov.96	Dec.96	Jan.97	Feb.97	Mar.97	Apr.97	May.97	Jun.97	Jul.97	Aug.97
002-030	203/441	6,020	6,100			9,650		6,610									
002-030	203/443	6,360	6,190	6,820													
002-031	206/433	9,830	10,110	10,150	10,260	10,320		12,500	10,680	10,300	11,150						
002-031	206/434	11,520	11,550	11,710	11,730	11,780	11,760	11,750	12,000		12,330						
002-033	211/008	8,920	7,570	9,810	9,770	6,100	6,050	10,250		10,400	6,600	10,240	10,920	11,770	12,500	12,030	12,900
002-033	211/009			6,080													
002-034	211/000	1,750	1,840	2,010	1,890	2,110	2,190	1,950		2,200	2,490	2,750	3,470	3,630	3,840	3,930	3,500
002-034	211/001	2,600	3,180	3,360	3,260	3,520	3,690	3,350	4,200	3,650	3,970	4,560	5,420	5,640			6,280
002-035	211/819	7,330	8,440	7,620		8,010	8,060	7,970	9,110	8,350	9,900		9,800	8,890	8,950	8,920	8,900
002-035	211/820	8,040	9,800	7,480		7,580	10,370	7,820	9,780	7,850	11,570		9,050	8,340	8,920	8,190	8,950
002-036	211/420	8,500	7,870	7,900		7,930	8,410			8,600	8,900						
002-036	211/421	7,680	7,860	8,020	12,160	17,500	8,950	8,940	9,300	10,210			9,770	10,530	8,900		
002-037	211/434	15,550	12,200				18,850	22,800		24,070	8,160						
002-038	211/428	8,610	6,200	8,670		9,330	9,170	9,070		9,150	10,020	9,560	9,530			9,900	10,160
002-038	211/429	6,070	6,460	6,480		6,180	6,310	6,950	7,000		6,320			7,090	7,220	7,180	7,230
002-039	211/760	9,900	12,400	11,050													
002-039	211/761	11,100	9,150	8,180	7,110	14,730		14,870	16,060	16,940	17,170			17,910	18,360		
002-039	211/763		8,850	9,430		8,510	9,360	8,880									
002-040	201/645	4,820	4,800	4,800		4,960	4,820	4,830	4,880	4,890	4,640	4,900	4,920	4,970	5,010		5,070
002-040	201/646	4,800	4,110	4,000		3,400	3,970	4,600	4,870	5,140	5,370	5,550	5,640	5,590	5,490	5,200	
002-040	201/647	4,500	4,570	4,600		3,530	4,230	4,550	4,860	5,050		5,350					
002-040	201/648	7,100	7,420	7,660		6,090	7,550	5,290	5,210				6,130				
002-040	201/650	3,300	3,260	3,280		3,320		3,370	3,610				3,790				
002-040	201/651	3,500	3,550	3,530		3,740	3,840	3,880	4,000		4,480		4,340		4,990	5,130	
002-040	201/654	3,100	3,170	3,180		3,190		3,210	3,220	3,200		3,230	3,270	3,290	3,290		3,280
002-040	201/655	3,600	3,660	3,530		3,620	3,560	3,810	3,770								
002-041	203/307	6,220				6,820	6,760	7,600	7,010		7,510						
002-042	202/938	13,430	14,440	15,310	15,700	16,280	15,380	12,390				13,680	13,560	14,990	16,530	17,950	17,830
002-042	202/939	5,800	5,780	5,900	6,000	7,310	6,590	6,780	6,880	6,930	7,130			7,630			
002-042	202/940	11,740	12,700		13,480			12,950						10,800			
002-043	203/386	11,350	10,450	10,790						10,470							
002-043	203/387	13,490	14,930														
002-044	203/388	12,850	12,960			12,270	11,170	11,010		10,760	10,910	11,410		11,340	12,440	12,650	12,480
002-045	203/390	12,070	12,480	12,880	13,050	13,170	13,440	13,250	12,530		13,450	13,600	13,850	14,270	14,740	15,070	15,210
002-045	203/391								7,420						11,500		
002-045	203/392	9,450	9,390	9,670		10,080	10,690	11,200	8,480	7,630	6,700		11,950				

APPENDIX D ELECTRICAL CONDUCTIVITY PER WELL (μScm^{-1}) - PHASE 2

Farm No.	Well No.	May.96	Jun.96	Jul.96	Aug.96	Sep.96	Oct.96	Nov.96	Dec.96	Jan.97	Feb.97	Mar.97	Apr.97	May.97	Jun.97	Jul.97	Aug.97
002-045	203/393																
002-046	203/373		11,190	10,250	11,200	8,640		11,690			10,640	12,500				12,710	
002-047	203/350	3,220	3,290	3,350	3,330	3,200	3,400	3,200	3,330		3,600		3,550	3,610	3,650	3,770	3,770
002-047	203/351	3,230	3,340	3,360	3,310	3,380	3,460	3,420	3,630	3,770				4,130		4,330	4,350
002-048	203/402	9,120	9,520	9,690	9,380	10,230	10,560	11,120	11,460							11,730	11,900
002-048	203/403	8,020	8,370	8,700	9,000	9,240	9,300	9,510	9,570	9,700	10,070	10,270	10,380	10,620	10,900	10,810	11,020
002-048	203/404	6,490	6,690	5,700	5,700	6,770	6,530	7,330	7,770				8,510	8,950		-	9,570
002-049	202/930	13,430	14,410	13,590	12,020	11,280	9,830	8,650	11,770				15,020	18,860			
002-049	202/931	9,530	9,830	9,940	10,480	10,740	11,120	11,210	10,950	11,160		11,550	11,800	12,200	12,440	12,550	12,760
002-049	202/932	5,100	5,170	4,970	4,980	5,060	5,270	4,990	7,900	4,680	4,860	4,930		5,530	5,930	6,400	6,920
002-050	201/741	15,280	9,340	14,170	9,300	10,860	12,940	9,680	10,280		10,180			10,710			
002-050	201/742	19,400	10,860		15,290	15,070	19,800	19,620	11,060			18,520	19,230			21,900	23,200
002-050	202/743		11,680	12,120	12,250	12,210	12,260	11,790	11,950	11,900	12,980	11,880		12,310	12,640	13,040	12,880
002-051	201/824	10,310	10,150	10,200	10,320	10,250	9,800	10,410		9,800	10,470			9,480	9,890		
002-051	201/825	9,920	8,870	8,710	9,020	9,470	8,580	8,850	9,040	9,220	8,950	9,460				8,690	
002-052	204/467	2,110	2,170	2,140	1,950	1,950	1,980	1,260	2,140	2,140	2,250	1,620	1,920	2,310	2,600	2,210	2,280
002-052	204/468		1,660	1,650	1,670	1,670	1,650	1,660	1,610		1,660	1,620	1,650	1,640	1,620	1,630	1,590
002-053	204/442	1,460	1,510	1,480	1,630	1,530	1,500	1,430								1,590	
002-053	204/443	1,790	1,800	1,790	1,870	1,820	1,690	1,730	1,700	1,700	1,670	1,630	1,670	1,670	1,630	1,630	1,630
002-053	204/444	1,270	1,270	1,240	1,240	1,250	1,230	1,430	1,250	1,240	1,260	1,250	1,260	1,260		1,250	1,230
002-053	204/445	1,820	1,820	1,820	1,820	1,920	1,830	1,870	1,870	1,900	1,940	1,890	1,930	1,920	1,910	1,950	1,940
002-053	204/447				1,340	1,360	1,430	1,430	1,450	1,440				1,470			
002-054	204/419	1,450	1,440	1,420	1,410	1,410	1,410	1,420	1,390	1,420				1,450		1,420	1,450
002-054	204/420	1,950	1,950	1,920	1,920	1,920	1,890	1,930		1,950		1,900	1,950	1,970	1,870	1,920	1,920
002-055	205/333				3,170	4,060											
002-055	205/336								3,000	3,000	3,070	3,010			3,040	3,010	
002-056	205/255	1,070	1,020	720	790									860			
002-056	205/256	880	890	840	880	890	870	890	900	880	910			900			890
002-057	205/216	2,040	2,060	2,060	2,030	2,050	2,050	2,070	2,060	2,040	2,060	2,030	2,060	2,080		2,050	2,100
002-057	205/217	1,860	1,860	1,880	1,840	1,850	1,820	1,850	1,880	1,840		1,900	1,900	1,920		1,890	1,900
002-057	205/219	1,220	1,210	1,250	1,190	1,240	1,160	1,220	1,180	1,180	1,200	1,200	1,250	1,260	1,240	1,310	1,190
002-058	205/206	2,430	2,430	2,420	2,390	2,420	2,490	2,540	2,550	2,540	2,560	2,550				2,630	
002-058	205/209								3,480	3,420	3,530	3,560		3,650	3,540		
002-059	205/174	3,150	3,150	3,110	2,860	3,080	3,070	2,810	3,130	3,250	3,350	3,360		3,470	3,480	3,550	3,470
002-059	205/177	3,230	3,160	3,290	3,070	3,340	3,400										
002-060	205/195	3,820	3,680	3,690	3,610	3,670	3,690	3,740	3,850	3,810	3,920		3,870			4,020	4,150

APPENDIX D ELECTRICAL CONDUCTIVITY PER WELL (μScm^{-1}) - PHASE 2

Farm No.	Well No.	May.96	Jun.96	Jul.96	Aug.96	Sep.96	Oct.96	Nov.96	Dec.96	Jan.97	Feb.97	Mar.97	Apr.97	May.97	Jun.97	Jul.97	Aug.97
002-060	205/196	4,120	4,140	4,120	4,070	4,080	4,110	4,170	4,300	4,320	4,440		4,620		4,700	4,710	
002-061	205/185	3,460	3,700	3,520	3,820	3,840	3,840	3,560	3,830	3,910				4,050	4,140	4,120	4,210
002-061	205/186	4,490	4,490	4,430	4,430	4,410	4,440	4,500		4,070						4,430	4,340
002-062	205/201	2,450	2,430	1,770	2,250	2,150	1,370	1,340	950	1,150	1,540					2,700	2,700
002-062	205/202	1,420	1,430	1,420	1,440	1,420	1,360	1,430	1,330	1,400	1,490		1,440		1,490	1,480	1,450
002-063	205/226	1,190	1,180	1,200	1,100	1,140	1,150	1,200	1,050	1,060	860	940					1,080
002-063	205/229								1,010	1,080	1,210						
002-064	205/198	1,270	1,320	1,300	1,340	1,300	1,360	1,380	1,370	1,380	1,430	1,370	1,330				
002-064	205/199	1,290	1,250	1,240	1,320		1,310									1,410	1,400
002-065	211/645	1,020	1,010	1,000	1,010	1,020	1,100	1,010	1,000	1,020		1,030				1,050	1,040
002-065	211/646	1,030		1,040													
002-066	002/052	880	760	770	760	760	770	760		790		760	760				
002-066	002/053			810	780	810											
002-066	002/054				790												
002-066	002/055	870	920	1,040	1,030	980	1,030	890							940		
002-066	002/056				820											850	860
002-066	002/057	790	810	800	790	800	800	800		820	860	800	800	810	810	800	810
002-066	002/060	840	850	850	850	840	830	850		870	860	850	850	860	870	850	850
002-066	002/061	850	850	820	840	840	830	830		850	850	830	850	850	850	800	820
002-067	206/491	690	670	680	650	660		640	660	670					700		680
002-068	211/625	900	930	960	940	950	970	970	980	1,000	1,000	990		1,030		1,030	1,030
002-068	211/626	900	900	910	890	910	920	950	980	1,020		1,040	1,010	980	960		940
002-069	211/784	2,770	2,870	3,050	3,220	3,350	3,520	3,660	3,510				4,130	4,270	4,480	4,490	
002-069	211/785	2,050	1,950	1,990	2,070	2,060	2,130	2,170	2,310	2,350	2,350		2,270		2,360		
002-069	211/786	2,060	2,080	2,120	2,120	2,160	2,200	2,240		2,260						2,350	
002-069	211/787	2,460	2,330	2,410	2,450	2,550	2,630	2,860	2,970								
002-070	000/003	1,820	1,860	1,840	1,790	1,750	1,670	1,680	1,710	1,710				2,100		2,130	2,080
002-070	211/780	3,680	3,790	3,770	3,750	3,650	3,580	3,900	3,790				3,580	3,820	3,570	3,470	
002-071	211/775	4,000	4,380	4,530	4,760	4,830	4,960	5,040	5,290	5,220	5,290					6,150	6,410
002-071	211/776	5,600	5,890	6,170	6,320	6,870	6,750	5,290	5,940	7,530	7,010	7,760				8,480	8,570
002-072	211/772	1,400	1,450	1,470	1,490	1,510	1,540	1,540		1,600	1,630	1,630	1,630			1,660	1,680
002-072	211/773	3,100	2,920	3,040	3,320	4,140	3,540	3,420			3,780					3,920	4,110
002-073	211/800	2,300	2,370	2,370	2,420	2,650	2,700	2,610			2,530					2,380	2,390
002-073	211/801	1,800	1,800	1,840	1,880	1,930		1,870		2,020				2,050	2,020	2,010	2,020
002-074	211/912	1,600	1,620	1,660	1,670	1,450	1,470				1,500					1,730	1,770
002-074	211/913				1,300	1,290	1,310	1,310	1,280		1,340						

APPENDIX D ELECTRICAL CONDUCTIVITY PER WELL (μScm^{-1}) - PHASE 2

Farm No.	Well No.	May.96	Jun.96	Jul.96	Aug.96	Sep.96	Oct.96	Nov.96	Dec.96	Jan.97	Feb.97	Mar.97	Apr.97	May.97	Jun.97	Jul.97	Aug.97
002-074	211/914		1,810	1,760	1,720	1,690	1,720	1,690	1,670		1,750	1,670			1,900		
002-075	211/700	900	870		870	880	880	880	880		910		880		890		
002-075	211/701	900	890	860	890	880	880	890	900	910	910	900	910	920		930	950
002-075	211/704																
002-076	211/720	900	930	930	910	910	920	910	910	930	930	930	920	940		920	920
002-076	211/722	900	850	910	810	830	940	910	770		850	870	920	920	880	870	
002-076	211/723	800	860	890	870	900	970	940	850	920	940	890	940			900	890
002-076	211/724	1,300	1,600	1,400	1,000	1,190	1,270	1,090	1,090	1,300	1,040	1,420	1,370			1,390	1,430
002-076	211/725	700	720	740	730	760	800	810	690	740	800	800	790	800		740	730
002-077	211/726	810	740	740	730	720	660	690		820	820						
002-077	211/727	620		670	710	660	620					650	730		760	720	750
002-078	211/452	910	730	760	860	840	850	830	790	900	890	840	770	900	710	890	850
002-078	211/453	560	560	570	560	560	590	550	550	570	570	560	560		570	550	
002-079	211/732	600	650	580	630	550	580			600				570	580		580
002-079	211/733	600	540	540	550	530	530	530	540	550		540	530	540		530	
002-079	211/734	700	640	630	640	640	630	630		660		640	540	640	660	630	640
002-079	211/735	700	590	600	590	600	600	600	620	620		590				560	
002-079	211/736	700	720	720	710			730		760			720	730		720	720
002-079	211/737	600	570	560	560	560	560	560	570	580		570	560		570		
002-079	211/738	600	610	540	530	550											
002-080	211/706	600	570	560	560	550	560	570	560		590	550		580		550	
002-080	211/707	900	910	910	900	910	910	920	910			900				920	870
002-081	211/742	500	490	490	500	490	490	490	500		510		510	530	510	510	510
002-081	211/743	500	480	490	490	490	480	490	500		510		530	520	510	510	520
002-082	211/740	600	570	570	570	570	580	560	570			590	570		600	600	600
002-083	211/881	1,360		1,370	1,370	1,380	1,360	1,340	1,370		1,370						
002-083	211/883		1,330	1,300	1,390	1,420	1,420	1,500			1,640						1,350
002-083	211/884		2,540	2,620	2,620	2,600	2,620	2,620	2,720		2,750						2,780
002-083	211/886		670	670	670	670	680	700	700	760	720						
002-083	211/887		960	1,000	950	1,000	950		960		990		980			1,100	
002-084	211/874	1,700	1,710	1,670	1,730	1,700	1,720		1,700		1,790			1,680	1,700	1,710	1,720
002-084	211/875	1,300	1,280	1,290	1,310	1,320	1,340	1,400	1,360	1,380	1,320		1,380	1,370		1,370	1,410
002-084	211/876	1,000		970	970	980	1,010	1,000		1,070		1,050	1,100			1,040	1,060
002-084	211/877	700		750	740	740	1,000	640	650	1,090	700		1,070				
002-086	211/895	1,180	1,180	1,210	1,210	1,160	1,200	1,180	1,130	1,150	1,190	1,190	1,200			1,250	1,240
002-086	211/896	1,130	1,080	1,090	1,130	1,110	1,140	1,150	1,170	1,140	1,180	1,160	1,170	1,220	1,240	1,270	1,280

APPENDIX D ELECTRICAL CONDUCTIVITY PER WELL (μScm^{-1}) - PHASE 2

Farm No.	Well No.	May.96	Jun.96	Jul.96	Aug.96	Sep.96	Oct.96	Nov.96	Dec.96	Jan.97	Feb.97	Mar.97	Apr.97	May.97	Jun.97	Jul.97	Aug.97
002-087	211/749	600	620	630	640	630	650				650	650				640	
002-088	000/000	590	590	610	600	610	620	640	650	660	650	660	670				
002-088	211/599	1,280	1,340	1,390	1,440	1,530	1,930	1,730	1,780	1,860			2,050			1,960	2,040
002-088	211/600	1,040	1,340	1,460	1,090	1,820		1,110	1,170	1,380			1,410				
002-089	211/579	1,180	1,130	1,170	1,210	1,220	1,270	1,240	1,410	1,150	1,150			1,290			
002-089	211/581	1,070	1,050		990		1,120										
002-089	211/582	930	950	940	970		1,000	980	990		1,140				1,070	1,050	1,060
002-089	211/583	1,410	1,440	1,450	1,450	1,460	1,490	1,520	1,530	1,450	1,530	1,560		1,650	1,700		1,750
002-089	211/584	2,370	2,410	2,380	2,340		2,440	1,950	2,460	2,510				2,140			
002-090	211/601	1,140	1,180	1,280	1,220	1,190	1,230	1,210	1,200	1,200	1,210		1,250	1,270	1,230	1,230	1,210
002-090	211/602		720	770	790	800		820	840	820		840			830		
002-090	211/603	1,230	1,270	1,290	1,280	1,290	1,320	1,320	1,330		1,360	1,350	1,360	1,370		1,380	1,390
002-091	211/609	4,760		4,960	4,810	4,930	4,960	4,940	4,880	5,030	5,170			5,050	5,040	5,290	5,360
002-091	211/612	2,700		2,510	3,010	2,890	3,910	3,330	4,200			3,060	3,040			3,030	
002-091	211/613	4,430		4,560	4,650	4,610	4,710	4,820	4,930								
002-092	211/575	2,240	2,370	2,470	2,570	2,620	2,690	2,770	2,870	2,870		2,950	2,980		3,080		3,230
002-092	211/576	3,880	5,010	5,230	5,370		5,690	5,720	6,180		6,110		6,010	5,990	5,950		6,490
002-092	211/577	1,480	1,560	1,630	1,620	1,600											
002-092	211/578	1,080	1,120	1,120	1,120	1,140	1,180	1,220	1,270	1,260	1,250	1,280	1,280	1,280	1,320	1,290	
002-093	211/604	780	830	880	900	940	960	1,030	1,010	1,110	1,090	1,000		1,040	1,060	1,100	
002-094	211/666	820	790	800	780	810	800	810	830		840	860			820	800	800
002-095	211/650	810	810	810	880	920	890	910	880	980	980		950		950	960	1,190
002-095	211/651	630	640	650	640	660	650	660	830	780	730		680	690	670	680	690
002-096	206/388	700	700	710		710	720	720	720	730				730	740		780
002-096	206/413	700		680	700	690	680	690	690	700			730		710	700	700
002-097	000/001	780	790	810	790	790	810	810	810	830	840		840	840	840	860	850
002-097	206/401	730	760	750	800	740	760	800	810					750			
002-098	206/381	1,220	1,220	1,240	1,240	1,250	1,260	1,280	1,310		1,270		1,280	1,260	1,270		
002-098	206/382	1,040	1,100	1,100	1,070	1,050	1,110	1,080	1,080	1,070	1,080	1,050	1,130	1,180	1,150	1,250	1,240
002-098	206/383	1,450	1,460	1,460	1,520	1,660	1,570	1,580	1,710		1,670		1,620	1,620		1,600	1,620
002-099	206/377	1,200	1,160	1,140	1,090	1,080	1,110	1,110	990		1,130		1,130	1,170		1,130	1,150
002-099	206/378	1,180	1,200	1,210	1,190	1,200	1,200	1,090	1,200		1,220		1,220		1,250	1,240	
002-099	206/406	790		860	890	890	910	950	950	960	1,020	1,020		1,140		1,170	
002-100	211/677	1,170	1,180	1,180	1,160	1,170	1,150	1,150	1,130		1,120		1,110	1,130	1,120	1,110	1,100
002-100	211/678	1,010	1,030	1,010	990	980		1,000	990		1,010		980	990			960
002-100	211/679	1,220	1,200	1,210	1,200	1,210	1,190	1,250	1,290		1,420			1,250	1,150	1,120	1,130

APPENDIX D ELECTRICAL CONDUCTIVITY PER WELL (μScm^{-1}) - PHASE 2

Farm No.	Well No.	May.96	Jun.96	Jul.96	Aug.96	Sep.96	Oct.96	Nov.96	Dec.96	Jan.97	Feb.97	Mar.97	Apr.97	May.97	Jun.97	Jul.97	Aug.97
002-100	211/680	850	890	870	870	870		870	870		860			880	870	880	870
002-100	211/681	770	770	770	760	760		770	750		760			770	760		
002-101	204/206		1,019	1,170	1,150	1,170	1,150	1,170	1,200	1,190	1,180	1,170	1,180			1,190	1,160
002-102	204/200	3,600	3,880	3,800	3,810	3,960	4,010	4,190	4,280	4,440	4,520			4,560			5,120
002-103	201/680	8,120	8,780	9,250	8,810												
002-104	201/657	9,240	15,050	10,100	6,870		10,470	7,490	6,530								
002-104	201/658	3,720	4,160	4,500	3,460	3,710	3,930	3,770	3,870						4,720	4,900	
002-104	201/659		24,100			27,300			27,030								
002-104	201/660	5,100	5,630	5,790	5,750	5,660	5,980	6,010	6,080				5,980	6,090			
002-105	211/500	15,020	15,290		11,620	17,130										21,800	
002-105	211/501	6,760	6,660	7,060		6,380			7,330								
002-105	211/502	5,940		14,730													
002-106	000/004	5,300	13,640	16,330	16,010		5,170		5,970	6,050							7,010
002-106	201/720	13,430	14,110	13,580	14,160	13,390	12,810	10,880	11,920	11,930			12,930	9,970		17,030	16,960
002-106	201/721	9,710	9,880	9,860	9,950	9,420	10,090	9,030	10,050	9,650				11,090	10,680	11,400	11,390
002-106	201/723	15,230	15,500	15,670	15,860		16,750	17,950	17,950		18,310		19,600	19,160	19,000	18,930	
002-106	201/725	12,960	12,990	12,790	12,900	13,050		13,020		19,200	14,000			14,900			
002-106	201/726	10,930	11,500	11,290	11,440	11,250	11,460	11,020	11,060	10,930	11,400			12,910	12,500		13,740
002-107	000/002	7,540	7,620	7,570	7,950	7,990	8,130	8,110	7,990	7,790	8,040		8,000	8,090		8,630	8,880
002-108	201/677			8,580	8,660	9,330	9,530	9,440	9,440	9,350	9,530	9,630					
002-108	201/678	13,230	13,460	13,690	13,720	14,000	14,100	15,300	14,700		15,350	15,510	16,350	16,640	17,070	17,020	
002-108	201/679			10,710		10,060	10,460										
002-109	206/360	6,760	6,850	6,930	6,920	7,000	7,080	6,810	6,700	6,790	6,620		6,980	7,290		7,300	7,650
002-110	201/697	15,130			16,170					25,030							
002-110	201/698	14,200		15,350	15,760	15,810	15,200	15,820	14,930	13,260			16,630	16,330	15,990	17,120	
002-110	201/699	7,330	7,290	7,360	7,300		8,770	8,750	8,760	8,660	8,700					8,600	
002-111	000/006								4,320	4,570							
002-111	206/363	5,470	2,690	5,660	3,420		3,090		3,100	2,900							
002-111	206/364	6,790	7,280	7,390	7,470	7,460	7,560	7,390						7,960			
002-111	206/375	7,130	7,000		6,600												
002-112	206/361	5,920	4,900	5,040	5,080	5,250	5,460	5,310	5,200	5,260		5,270	5,360	5,730		6,130	
002-112	206/362	6,560	6,730		7,620	7,660	7,350	6,540	6,560	6,660	6,840	6,870	7,120				
002-112	206/373	4,220	4,230	4,310	4,260	4,380	4,320	4,340	4,300								
002-112	206/374	4,720	4,700	3,960	4,670	4,790			4,910		4,970		5,140		5,260	5,000	
002-113	204/713						5,790										
002-113	204/719	6,590	6,780	6,940	7,010	7,230	6,250	7,370	5,990		7,740	7,700					7,430

APPENDIX D ELECTRICAL CONDUCTIVITY PER WELL (μScm^{-1}) - PHASE 2

Farm No.	Well No.	May.96	Jun.96	Jul.96	Aug.96	Sep.96	Oct.96	Nov.96	Dec.96	Jan.97	Feb.97	Mar.97	Apr.97	May.97	Jun.97	Jul.97	Aug.97
002-113	204/721	4,440	4,300	4,470	4,430	4,050	4,280		4,570		4,550	4,300	4,760	5,240	4,710		5,300
002-113	204/722	6,520	6,490	6,690	6,670	6,770	6,930	7,110	7,280		7,400		7,770	7,910	8,060		
002-114	204/728	3,500	3,520	3,600	3,500	3,500	3,550	3,630	3,740	3,550	3,710		3,370	4,020		3,830	
002-114	204/729		3,380	3,520	3,500	3,620	3,990	3,880	3,750				4,030			4,110	
002-114	204/730		7,110	7,040	7,060	6,820	7,090	6,780	7,060		7,180		7,450				
002-114	204/732	3,060	3,060	3,070	3,060	3,100	3,050	3,150	3,150	3,240	3,250		3,280	3,300			3,360
002-115	204/752		2,890	2,890	2,870		2,860			3,210							3,270

APPENDIX D ELECTRICAL CONDUCTIVITY PER WELL (μScm^{-1}) - PHASE 2

Farm No.	Well No.	Sep.97	Oct.97	Nov.97	Dec.97	Jan.98	Feb.98	Mar.98	Apr.98	May.98	Jun.98	Jul.98	Aug.98	Sep.98	Oct.98	Nov.98	Dec.98
002-001	002/120	1,010	1,000							1,080	1,060		870		1,000		
002-001	002/121	820	840	840	780	830	800		850	840	840	860	850		850		720
002-001	002/122	1,040	1,050	1,230	1,000	1,070	1,230	1,070			1,080				1,050		
002-002	201/000		6,620	6,580				6,750	7,260	7,060	7,030	6,810	6,810	6,990			6,320
002-002	201/002				6,870	7,090					7,040			7,220			
002-002	201/012																
002-003	201/001	3,900			3,790			3,730									
002-003	201/004										5,640				5,850		
002-004	201/006		2,330	2,330			2,160		2,030	1,930	2,070	2,140		2,590	2,550		2,800
002-004	201/007	3,400	3,490	3,430		3,510	3,530	3,510	3,590	3,650	3,650	3,600		3,620	3,610		3,640
002-004	201/008	3,700	3,710	3,860		3,890	3,960	3,730	3,660	3,670	3,670	3,710	3,920		4,180		4,020
002-004	201/009	4,300	4,420		5,000	4,510	4,360	4,260	4,240	4,220	4,220	4,270	4,390	4,480	4,480		4,460
002-005	201/014		2,010	2,030	2,040	2,060	2,090	2,080	2,110	2,130	2,150	2,190	2,230	2,280	2,280		2,300
002-006	201/016	5,100	5,190	5,310		5,330	5,390	5,560	5,810	5,700	5,880	6,050	6,200	6,590	6,900		6,900
002-006	201/017	7,000	7,230	7,360				7,620	8,450	8,090	8,420		9,320	9,100			
002-006	000/008																
002-007	201/043	2,300	2,270	2,280			2,380	2,420	2,510	2,590	2,680	2,710		2,880	2,920		3,170
002-007	201/047		2,360	2,410		2,430	2,470	2,530	2,670	2,820	2,940	3,080	3,280	3,540	3,870		
002-007	201/048		2,730				2,710	2,660	2,730	2,800	2,880		3,010	3,070	3,400		
002-008	201/060	3,850	3,880	4,170	4,030		4,010	4,220	4,520								
002-008	201/061	9,390		9,250					8,210								
002-009	000/007		4,400	4,530	4,470	4,410	4,520	4,660	4,830	5,070	5,450	6,090		6,500	7,200		8,050
002-009	201/064	9,580	10,030	10,020	9,540			11,490	12,600	12,630	13,360	13,360	13,400				
002-009	201/065																
002-009	201/066																
002-009	201/067	13,020															
002-009	000/009	5,200	5,700	5,580	5,750	5,900		6,060	6,400	6,690	7,520		8,790				
002-009	000/010													3,580	3,960		4,740
002-010	201/076	2,710	2,680	2,670		2,550	2,510	2,500	2,540	2,550	2,500			2,500	2,450		
002-010	201/077			3,120					3,070		3,040	3,070		3,020			
002-011	201/078	1,670						1,660	1,690	1,700	1,700	1,700			1,670		
002-012	201/080			2,100	2,200		2,300		2,370			2,390			2,480		
002-012	201/081	2,230	2,260	2,330		2,300	2,290	2,300	2,310	2,340	2,320	2,330	2,460	2,500	2,540		2,650
002-012	201/871	1,600	1,630	1,670	1,820	1,920	2,100	2,070	2,190	2,410	2,450	2,280	2,270	2,290	2,380		
002-013	201/094		4,580		4,670	4,810	4,830	4,920	5,050	5,130		5,490	5,420				5,570
002-014	201/154						2,510	2,420	2,440	2,520	2,520		2,710	2,740	2,670		2,660

APPENDIX D ELECTRICAL CONDUCTIVITY PER WELL (μScm^{-1}) - PHASE 2

Farm No.	Well No.	Sep.97	Oct.97	Nov.97	Dec.97	Jan.98	Feb.98	Mar.98	Apr.98	May.98	Jun.98	Jul.98	Aug.98	Sep.98	Oct.98	Nov.98	Dec.98
002-014	201/155						2,260	2,200	2,190		2,150	2,200		2,210			2,100
002-015	201/203		4,060			3,670	3,580	3,510	4,430		5,040	4,830	5,310		5,250		4,520
002-015	201/204									3,230	3,240	3,400			3,730		3,540
002-015	201/205		3,510	3,730	3,340	3,470		3,860	4,120		5,040	5,170	5,580		5,460		5,010
002-015	201/206		2,150			1,980		1,980	2,150			2,160	2,250		2,270		
002-016	201/252	2,530	2,500	2,580		2,620	2,500	2,560					2,650		2,780		2,630
002-017	201/259																
002-017	201/390																
002-018	201/306		2,980	2,900				3,030									
002-019	201/393		3,520						3,470	3,680	3,640				3,570		
002-020	201/394	9,720	9,760	9,690		9,610	9,470	9,550	9,730	9,950	10,130	10,320	10,880		11,060		9,970
002-020	201/395	7,730	8,510	7,670		7,980	7,160	7,120	8,750	8,540	8,490	12,040	10,400		10,230		8,890
002-021	203/227	940	950		940		940	930	940		910	900	910		920		840
002-021	203/228	1,570	1,510		1,500				1,480		1,350	1,310	1,320				
002-022	203/237		1,720			1,640		1,630	1,710	1,690	1,690	1,700	1,740	1,760			
002-023	203/240	1,610		1,780		1,750	1,690	1,680	1,640	1,600	1,590	1,550	1,590	1,770	1,660		
002-024	211/181	970		990	950	980	980		980	960		960		980	990		820
002-025	211/183	1,340	1,320					1,400	1,450	1,470	1,480	1,520	1,540	1,500	1,470		1,160
002-026	211/185	1,420	1,410	1,430		1,430		1,440	1,420	1,400	1,380	1,360	1,380	1,340	1,360		
002-026	211/187	1,510	1,540	1,550		1,560		1,570	1,550	1,560	1,530	1,530		1,520	1,540		
002-026	211/188	1,140	1,130	1,130				1,150	1,160	1,160	1,150	1,160	1,150	1,140	1,150		
002-027	211/194	1,500	1,510	1,550	1,480	1,570	1,510	1,510	1,490	1,490	1,520	1,550	1,560	1,540	1,610		
002-027	211/195																
002-027	211/196				1,060	1,140		1,110	1,100	1,100	1,100	1,120	1,100	1,080			
002-027	211/197																
002-028	211/166																
002-028	211/200		1,330				1,460	1,460			1,350						
002-028	211/201		1,220	1,230		1,150	1,130	1,210	1,190		1,160	1,170		1,110	1,090		
002-028	211/202							2,580	2,120		1,990	1,970		1,980	2,050		
002-028	211/203	1,420	1,420					1,430	1,520	1,560	1,600	1,660	1,670	1,680			
002-028	211/204					1,580					1,540						
002-028	211/205																
002-028	211/206	1,120	1,080		1,070	1,160		1,130	1,070		1,030	1,000	990	970	970		
002-029	204/256																
002-029	204/260																
002-029	204/261								12,230	12,170	12,250						11,280

APPENDIX D ELECTRICAL CONDUCTIVITY PER WELL (μScm^{-1}) - PHASE 2

Farm No.	Well No.	Sep.97	Oct.97	Nov.97	Dec.97	Jan.98	Feb.98	Mar.98	Apr.98	May.98	Jun.98	Jul.98	Aug.98	Sep.98	Oct.98	Nov.98	Dec.98
002-030	203/441																
002-030	203/443																
002-031	206/433	12,430			11,060				11,150				11,610	10,660			
002-031	206/434				12,600			12,480	12,770		12,470						
002-033	211/008	13,390	13,100						12,120			14,120	14,920				
002-033	211/009									7,530							
002-034	211/000	4,960	4,870	4,960	5,190	4,900	5,810	6,080	6,630	6,210	7,380	8,040	5,340	5,760	5,880		
002-034	211/001	7,660	7,870		8,110	7,940	8,940	8,840	9,920	10,350	10,830	11,600	9,330	9,770	9,890		
002-035	211/819	9,070	9,160	9,140	9,170	9,150	9,280	9,130	9,030	9,190	9,170	9,340	9,560		9,780		9,410
002-035	211/820	9,130	9,280	8,940	9,000	9,220		9,320	10,000	10,230	10,580	10,770	10,900		10,990		
002-036	211/420																14,500
002-036	211/421		11,280	11,130	11,080			19,400	20,700			14,690	15,270		15,610		13,900
002-037	211/434																
002-038	211/428	10,660	10,520														
002-038	211/429	7,310	7,380														10,230
002-039	211/760																
002-039	211/761					19,110	19,760	20,300			21,100		21,800		22,100		
002-039	211/763																
002-040	201/645	5,070	5,030		5,040	5,160	5,100	5,170	5,230	5,290	5,420	5,340	5,060	5,270			4,830
002-040	201/646	5,400	5,420	5,730	5,710	5,980	6,040	6,160	6,310	6,300	6,340	6,320	6,010	6,500			6,030
002-040	201/647					6,650	6,530	6,870						6,800	7,370		6,740
002-040	201/648																
002-040	201/650							5,350					5,800	6,030			
002-040	201/651	5,930				5,760		6,630					6,880	7,250			
002-040	201/654	3,310	3,310			3,290	3,340	3,330	3,360	3,370	3,360	3,370	3,430	3,410			3,170
002-040	201/655							4,410						4,010			
002-041	203/307				8,260												
002-042	202/938			19,290				13,680				17,950	17,830			19,290	
002-042	202/939		8,660				9,270		10,510	11,070	11,300	11,700		11,690			10,070
002-042	202/940											16,520	16,040				
002-043	203/386						11,720			11,430							
002-043	203/387		15,170	16,590						18,340		20,340					
002-044	203/388			11,980			12,020	12,790	13,460	13,950		14,550	14,610				12,550
002-045	203/390		15,260	15,220	14,420	14,180	14,430	15,160	15,490	15,660	16,040	15,880			15,630		
002-045	203/391									15,450							
002-045	203/392																

APPENDIX D ELECTRICAL CONDUCTIVITY PER WELL (μScm^{-1}) - PHASE 2

Farm No.	Well No.	Sep.97	Oct.97	Nov.97	Dec.97	Jan.98	Feb.98	Mar.98	Apr.98	May.98	Jun.98	Jul.98	Aug.98	Sep.98	Oct.98	Nov.98	Dec.98
002-045	203/393							17,620	18,510		19,200	19,050	19,370		18,740		18,090
002-046	203/373																
002-047	203/350		3,730	3,930				4,270	4,280	4,070			4,180		4,160		3,910
002-047	203/351	4,300		4,440					4,960	4,940	4,810		5,070		5,020		4,550
002-048	203/402	12,300	12,280	11,730	12,210	11,710	12,450	13,590	13,930	14,140							
002-048	203/403	11,600	11,950	12,170	11,050				13,970	14,200							15,510
002-048	203/404		10,070	10,500	9,480		10,940	10,930	11,000	11,160	11,350	11,690	11,800	12,600	12,120		
002-049	202/930			15,600	16,790	16,030				20,400			19,400				
002-049	202/931		13,340	13,010	12,690				14,110	14,230			13,690	13,510			
002-049	202/932	8,690	7,010	6,570	6,330	5,970	5,800		6,340	6,630		6,640		6,540			
002-050	201/741			12,260				10,130	11,930		11,520						
002-050	201/742				18,640					16,840		18,650			15,000		
002-050	202/743	9,280	12,420	12,860	12,730		12,700	13,060	13,440	13,790	13,740	13,810		14,240			13,480
002-051	201/824		9,430		9,450			9,170	9,180	9,030	9,100		9,100				
002-051	201/825	8,630		7,860					7,570			7,090					
002-052	204/467	2,300			2,190	1,830	1,920	2,110					2,380		1,650		
002-052	204/468	1,610			1,670	1,710		1,660		1,740	1,600	1,620	1,610	1,630	1,620		
002-053	204/442																
002-053	204/443	1,630		1,570	1,620	1,610			1,480	1,550	1,470	1,540	1,510	1,530	1,530		
002-053	204/444	1,220		1,230	1,240		1,230	1,230	1,230	1,210	1,200	1,210	1,200	1,200	1,200		
002-053	204/445	1,970		2,050	2,110	2,130	2,170	2,190	2,170	2,160	2,160	2,150	2,230	2,190	2,300		
002-053	204/447	1,410		1,410				1,400		1,380		1,380	1,390				
002-054	204/419	1,420		1,400				1,390	1,410	1,400	1,390		1,380	1,390	1,390		
002-054	204/420	2,000		1,920	1,820	1,900		1,880	1,900	1,880	1,900	1,910	1,930	1,940	2,000		
002-055	205/333																
002-055	205/336	2,930			2,930	2,900	2,930	2,970	2,950	2,980	3,010		2,830	2,850			
002-056	205/255								1,360	1,300	780	980		1,140	1,120		
002-056	205/256	890		890				880	890	890			780				
002-057	205/216	2,030		2,030	2,050				2,020	2,030	2,020	2,040	2,040	2,060			1,860
002-057	205/217	1,890		1,880	1,940	1,960	1,930	1,920	1,900	1,910	1,890	1,890	1,900	1,900			1,700
002-057	205/219	1,170		1,270	1,270	1,270	1,260	1,240	1,240	1,260	1,300	1,280	1,280	1,350			1,050
002-058	205/206	2,560						2,620	2,680	2,670							
002-058	205/209	3,350							3,460								
002-059	205/174	3,560		3,470	3,450	3,540	3,590	3,620	3,690	3,730	3,640	3,880	3,890	3,980			3,860
002-059	205/177																
002-060	205/195	4,250			4,660				4,810	4,760	4,740	5,170	4,940	5,050	5,060		

APPENDIX D ELECTRICAL CONDUCTIVITY PER WELL (μScm^{-1}) - PHASE 2

Farm No.	Well No.	Sep.97	Oct.97	Nov.97	Dec.97	Jan.98	Feb.98	Mar.98	Apr.98	May.98	Jun.98	Jul.98	Aug.98	Sep.98	Oct.98	Nov.98	Dec.98
002-060	205/196	4,830							5,220	5,280	5,270	5,400	5,450	5,530			
002-061	205/185	4,130	4,120		4,090			4,090	4,160	4,170	4,520	4,230		4,470	4,460		
002-061	205/186	4,620	4,640			4,930	4,480	4,870	4,660	4,620	4,510	4,500	4,570	4,620			
002-062	205/201	2,670	2,380		2,080		1,500		2,590			1,440	2,710	3,120	2,140		2,240
002-062	205/202	1,450	1,400		1,250	980	1,230		1,460		1,410	1,440	1,470	1,450	1,450		1,350
002-063	205/226					870	850	990	850					810			760
002-063	205/229								1,060								1,050
002-064	205/198												1,670				
002-064	205/199				1,470								1,630	1,650			
002-065	211/645	1,050	1,060		1,100	1,170		1,130	1,200	1,190	1,130	1,140	1,160	1,190	1,220		1,030
002-065	211/646	820	840			880		930	930	890	870	930	950	910	940		800
002-066	002/052			770	760	770	770	770	770	780	770	770			780		610
002-066	002/053																
002-066	002/054																
002-066	002/055		930				870	920		880		970	890		900		
002-066	002/056																
002-066	002/057	800	810	810		810	810		820	820	820	820	830	830	810		740
002-066	002/060	850	850	850	840	850	850	860	850	860	840	850	860	860	860		750
002-066	002/061	840	840	810	820	820	850	840	820	830	820	830	840	840	830		740
002-067	206/491		700	710	690	710		700	730	740			770	740			700
002-068	211/625	1,050	1,050		1,050	1,090		1,090	1,100	1,110	1,100	1,120	1,140	1,140	1,150		
002-068	211/626		950			1,020		1,000	1,000	980	940	950	960	950	960		
002-069	211/784				5,680	5,950	6,230		6,390	6,580		7,260					
002-069	211/785	2,590			2,690	2,760	2,800		2,900			3,080					
002-069	211/786				2,530	2,620		2,700	2,800	2,790	3,130	3,160	3,210		3,550		
002-069	211/787																
002-070	000/003	2,140	2,090			2,440	2,490		2,680	2,640	2,580	2,400	2,420	2,280	2,280		
002-070	211/780	3,520			3,620	3,620	3,690		3,760	3,710	3,800	3,800	3,830	3,750	3,970		
002-071	211/775	6,610					7,190			7,520	7,680	7,930	8,120		8,630		
002-071	211/776	8,660		9,120	9,050					10,360	10,880		11,010	11,140			
002-072	211/772	1,740		1,760	1,720		1,810	1,780	1,820	1,860	1,860	1,910			2,040		
002-072	211/773	4,440	4,150				4,580		4,670	4,760	4,790	5,020			5,630		
002-073	211/800	2,400	2,420		2,440				2,470			2,490	2,580	2,580			
002-073	211/801	1,990			2,090			2,080	2,100	2,120	2,140	2,200	2,180	2,320			
002-074	211/912		1,780		1,790			1,580				1,780	1,790				
002-074	211/913	1,290		1,260	1,260			1,290		1,320	1,320	1,320	1,320	1,320	1,330		

APPENDIX D ELECTRICAL CONDUCTIVITY PER WELL (μScm^{-1}) - PHASE 2

Farm No.	Well No.	Sep.97	Oct.97	Nov.97	Dec.97	Jan.98	Feb.98	Mar.98	Apr.98	May.98	Jun.98	Jul.98	Aug.98	Sep.98	Oct.98	Nov.98	Dec.98
002-074	211/914			1,900	1,800		1,780	1,790		1,850	1,750	1,750	1,740	1,710	1,700		
002-075	211/700	910		900			920		940	940	930				970		
002-075	211/701	960	950	920		950		940	920	930		920	930	910	920		
002-075	211/704																
002-076	211/720	930	930	930	930			980			990	1,000	1,020	1,000			
002-076	211/722	880	870	860	820	910				840	850	840	840	890	810		
002-076	211/723	930	940	900	840	810		830			980	920	930	970	910		
002-076	211/724	1,490	1,460	1,130	1,280	1,350	1,180	990		1,320		1,420	1,400	1,430	1,430		
002-076	211/725	810	770	750	660	680	700	700		740	800	780	760	800	770		
002-077	211/726																
002-077	211/727	740	710	700	750	770	770	760			740	680	670	690	700		620
002-078	211/452	840	720			760	860	830	860	720	810	870		820	840		730
002-078	211/453	560	560			550	550	550	550	560	550	550	560	560	550		500
002-079	211/732		580	580				590	590	580	600		600				
002-079	211/733	540	530	530	530			530	540	540	530	540	540	540	540		
002-079	211/734	640	640	630	620	640	640	620	630		640	630	640	610	630		
002-079	211/735	590	590	570				560	570	590	600	590	680	600	590		
002-079	211/736	720	700					710	720	720	730	710		710	720		
002-079	211/737	570		570	560			570	570			570			570		
002-079	211/738																
002-080	211/706	560	560		540	550											
002-080	211/707		920					910			940	920	930	920			
002-081	211/742	520	520	510	510	540	550	560		550	520	520	520	530	530		
002-081	211/743	530	550	560	560			580		550	540	540	540	540	550		
002-082	211/740	620	620		600	640	620	610		620	620	620	620	620	630		
002-083	211/881								1,460	1,420	1,370						
002-083	211/883								1,330	1,320	1,320						
002-083	211/884								2,880	2,870							
002-083	211/886			720			850	770	770	750	740		830	790			720
002-083	211/887								1,120	1,000	990		1,010				940
002-084	211/874	1.710	1,720	1,700	1,680	1,680	1,680	1,670	1,730		1,680	1,710	1,750	1,740	1,760		
002-084	211/875	1.440	1,430	1,400	1,420	1,440		1,470		1,450	1,440	1,460	1,490	1,510	1,620		
002-084	211/876	1.070	1,080	1,090	1,090	1,170		1,130	1,140	1,130			1,160	1,180	1,210		
002-084	211/877																
002-086	211/895	1.240	1,240	1,230	1,230	1,250		1,270	1,320	1,350	1,330			1,340	1,370		1,170
002-086	211/896	1.270	1,300	1,270	1,320	1,310	1,310	1,330	1,370	1,360	1,430	1,430		1,550	1,560		1,340

APPENDIX D ELECTRICAL CONDUCTIVITY PER WELL (μScm^{-1}) - PHASE 2

Farm No.	Well No.	Sep.97	Oct.97	Nov.97	Dec.97	Jan.98	Feb.98	Mar.98	Apr.98	May.98	Jun.98	Jul.98	Aug.98	Sep.98	Oct.98	Nov.98	Dec.98
002-087	211/749		640			640		630	640	650	650	660	670	680	690		630
002-088	000/000					700	700	680			680			730	720		520
002-088	211/599	2,400	2,300		2,400	2,570	2,590	2,530	2,420	2,380	2,480	2,540	2,590	2,590	2,650		
002-088	211/600	1,360															
002-089	211/579							1,210		1,310	1,300	1,330	1,370				
002-089	211/581																
002-089	211/582		1,130						1,180							.	
002-089	211/583		1,850	1,890		1,910		1,770	1,820	2,050	2,140		2,280				
002-089	211/584	2,760	2,790						2,650	2,830	2,520	2,820	2,970	2,980			
002-090	211/601	1,180	1,210	1,190		1,220			1,290								990
002-090	211/602							900	890	900	920				950		710
002-090	211/603	1,390	1,400		1,390	1,410		1,410		1,400		1,420	1,420				
002-091	211/609	5,130	5,100			5,140		5,280	5,150	5,130	5,330		5,370				
002-091	211/612							3,180							3,430		
002-091	211/613									6,130			8,000				
002-092	211/575	3,310	3,380			3,550		3,650	3,730	3,840	3,920		4,170	4,200			
002-092	211/576								7,210	7,110							
002-092	211/577																
002-092	211/578	1,350		1,370	1,350			1,310				1,340	1,360	1,380			1,050
002-093	211/604	1,130	1,120		850	1,210		1,210	1,180	1,190	1,150	1,210					
002-094	211/666	810	810	840	850	900		870	850	840	810	820	860	2,580	2,850		2,470
002-095	211/650	890	860	950	990	990	950	1,000	930	860	1,000	930	970				
002-095	211/651	670		680	660	680	690	700	680		640		650	580	670		520
002-096	206/388	740		740		740	750	740	750	750	750			730	760		
002-096	206/413	710	720	710		740	720	720	730	700	730			690			
002-097	000/001	860	860	860	860	870	870	870	870	880	880	880	890	830	880		560
002-097	206/401	760	770						740	750		770			850		560
002-098	206/381	1,300		1,300	1,310		1,310	1,300	1,290	1,300	1,220	1,230	1,240	1,250	1,260		
002-098	206/382	1,250	1,260	1,160	1,280	1,290	1,280	1,250	1,250	1,260	1,250	1,270	1,260	1,250	1,250		
002-098	206/383	1,690	1,720	1,650	1,640	1,660		1,650	1,620	1,610	1,590	1,610	1,690	1,630	1,670		
002-099	206/377		1,100		1,120		1,200		1,170	1,160	1,150	1,140	1,160	1,150	1,140		
002-099	206/378	1,230	1,230	1,230	1,210	1,230		1,230	1,240	1,220		1,220	1,220		1,210		
002-099	206/406	1,130		1,070			1,100		1,130	1,120		1,070	1,060		1,000		
002-100	211/677	1,100	1,090	1,130	1,060	1,080		1,080	1,110	1,120	1,110	1,100	1,120	1,150	1,150		
002-100	211/678	960	960	960					980	980	990	990	1,010	1,010	1,030		
002-100	211/679	1,130	1,100	1,110					1,080	1,060	1,060		1,060	1,080			

APPENDIX D ELECTRICAL CONDUCTIVITY PER WELL (μScm^{-1}) - PHASE 2

Farm No.	Well No.	Sep.97	Oct.97	Nov.97	Dec.97	Jan.98	Feb.98	Mar.98	Apr.98	May.98	Jun.98	Jul.98	Aug.98	Sep.98	Oct.98	Nov.98	Dec.98
002-100	211/680	890	890	900	890			910	920	920	920	920	940	940	950		
002-100	211/681	770						810	810		840		840		860		
002-101	204/206	1,210			1,210	1,300		1,220		1,240	1,170	1,200	1,230	1,240	1,220		1,050
002-102	204/200	5,320	5,530	5,510	5,850	6,000		6,120	6,190	6,360		6,690	7,130	7,350	7,570		
002-103	201/680																
002-104	201/657						7,720	8,340		9,600	10,300	11,700		10,760	11,280		
002-104	201/658	4,930						4,110		4,740	4,760	5,000	4,950	4,940			3,580
002-104	201/659																
002-104	201/660	7,180	7,290	7,180	7,280	7,210	7,180	7,120	7,200	7,250	7,250	7,370	7,500	7,640	7,740		6,700
002-105	211/500																
002-105	211/501	8,460				9,060		8,770		9,220	9,300			9,860			
002-105	211/502																
002-106	000/004																
002-106	201/720	17,470	17,140		15,300												
002-106	201/721																
002-106	201/723																
002-106	201/725	15,730		15,950	16,690												
002-106	201/726	13,600	13,480														
002-107	000/002	9,550	9,570	9,470	9,320		8,010	6,770	8,830	9,180	9,060	9,610	10,250	9,800	10,170		
002-108	201/677	10,850	11,070		11,190			11,650	11,940	12,180	12,180	12,470	12,680	13,010	12,800		11,130
002-108	201/678		17,970		18,560	19,190			19,750	19,560	18,390	18,310		19,910	19,180		
002-108	201/679																
002-109	206/360	7,430	7,190		7,130	7,180	7,070	7,160	7,750	7,970		7,850	7,950				6,560
002-110	201/697																
002-110	201/698	17,340	16,170		16,560		15,520	16,810	16,710	16,650	17,710	18,340	18,690	19,150			17,150
002-110	201/699	10,020	10,660		11,230	11,010		10,440	10,130	10,030		10,800		11,920	11,920		10,440
002-111	000/006	5,830	5,600		5,450	5,600	5,690	5,550		5,700	5,560	5,860	5,970	5,920	5,970		5,030
002-111	206/363					3,440		3,820		3,600							
002-111	206/364																
002-111	206/375																
002-112	206/361				6,390		7,070	6,590	6,860			7,350	7,900	7,420	7,260		6,430
002-112	206/362				8,060	8,190		8,310	8,670	9,260	9,260	9,740		9,830	9,830		8,580
002-112	206/373								5,620				5,900		5,980		5,250
002-112	206/374													6,290	6,350		5,730
002-113	204/713																
002-113	204/719			7,650					8,980	8,980							

APPENDIX D ELECTRICAL CONDUCTIVITY PER WELL (μScm^{-1}) - PHASE 2

Farm No.	Well No.	Sep.97	Oct.97	Nov.97	Dec.97	Jan.98	Feb.98	Mar.98	Apr.98	May.98	Jun.98	Jul.98	Aug.98	Sep.98	Oct.98	Nov.98	Dec.98
002-113	204/721		5,220					5,330	5,160	5,130	4,980	5,160		5,620			5,120
002-113	204/722							9,000		9,280			9,690		8,170		7,350
002-114	204/728	3,860				3,910			4,010	4,060	4,020	4,090	4,220	3,880			
002-114	204/729	4,270			4,340		4,530		4,560	4,550	4,600		4,800	4,780			
002-114	204/730		7,750	7,810				7,840	8,240	8,200	8,060		8,340	8,500			
002-114	204/732		3,390	3,400					3,540	3,540	3,560	3,590	3,370	3,680			
002-115	204/752																

APPENDIX D ELECTRICAL CONDUCTIVITY PER WELL (μScm^{-1}) - PHASE 2

Farm No.	Well No.	Jan.99	Feb.99	Mar.99	Apr.99	May.99	Jun.99	Jul.99
002-001	002/120					1,070	1,040	1,010
002-001	002/121	640			840	850	860	850
002-001	002/122	750				1,020	1,020	850
002-002	201/000					7,190	7,290	
002-002	201/002	5,950			7,250	7,270		7,190
002-002	201/012							
002-003	201/001	3,040			3,690			3,650
002-003	201/004							
002-004	201/006	2,520				2,950	3,100	3,320
002-004	201/007	3,060		3,720	3,870	3,880	3,880	3,890
002-004	201/008	3,390		3,790	3,980	3,970		4,040
002-004	201/009	3,770			4,290	4,280	4,300	4,290
002-005	201/014	1,880		2,380		2,550	2,620	
002-006	201/016	5,500			7,470	7,660	7,670	5,200
002-006	201/017							
002-006	000/008				3,840	4,020	4,300	
002-007	201/043	2,690		3,460	3,830		4,050	
002-007	201/047	3,420		4,570	5,180		5,830	6,500
002-007	201/048	2,620				3,890	4,330	4,340
002-008	201/060							
002-008	201/061							
002-009	000/007	6,820		8,620	9,180	9,390	10,120	10,530
002-009	201/064						14,730	
002-009	201/065							
002-009	201/066							
002-009	201/067							
002-009	000/009							
002-009	000/010	4,160		5,650	6,370	6,930	7,540	
002-010	201/076					2,120		
002-010	201/077							
002-011	201/078	1,450			1,680	1,820	1,700	1,690
002-012	201/080						2,710	2,700
002-012	201/081	2,280		2,630		2,590	2,610	2,690
002-012	201/871	2,130			2,510	2,570		2,290
002-013	201/094	5,330				6,410	6,400	6,570
002-014	201/154	2,260				2,630	2,610	2,620

APPENDIX D ELECTRICAL CONDUCTIVITY PER WELL (μScm^{-1}) - PHASE 2

Farm No.	Well No.	Jan.99	Feb.99	Mar.99	Apr.99	May.99	Jun.99	Jul.99
002-014	201/155	1,730		1,940	1,990	1,970	2,040	
002-015	201/203	3,890			5,150	5,350	5,670	
002-015	201/204	3,450			4,470	5,030	5,290	5,310
002-015	201/205	4,640			6,510	6,840	6,850	
002-015	201/206				2,270	2,340		2,340
002-016	201/252	2,380					2,930	2,870
002-017	201/259							
002-017	201/390							
002-018	201/306	2,420			2,920	2,910	2,920	2,900
002-019	201/393	3,320			3,320			
002-020	201/394	8,520			9,620	9,900	10,870	10,630
002-020	201/395	6,700			10,000	9,690	9,930	11,330
002-021	203/227	730			920		910	920
002-021	203/228	1,050					1,260	1,240
002-022	203/237				1,740	1,750	1,750	
002-023	203/240				1,810	1,780	1,760	1,810
002-024	211/181				990	1,010	1,020	1,010
002-025	211/183				1,490	1,490	1,500	
002-026	211/185				1,340	1,360	1,360	1,330
002-026	211/187				1,520	1,520	1,520	1,500
002-026	211/188				1,150	1,140	1,150	1,130
002-027	211/194				1,640	1,670	1,710	
002-027	211/195							
002-027	211/196					1,130	1,120	
002-027	211/197							
002-028	211/166							
002-028	211/200							
002-028	211/201				1,110	1,140	1,120	
002-028	211/202				2,120	2,050	2,010	1,990
002-028	211/203					1,850	1,850	1,840
002-028	211/204							
002-028	211/205							
002-028	211/206				1,160	1,050	1,030	990
002-029	204/256							
002-029	204/260							
002-029	204/261				12,750	13,070	13,420	

APPENDIX D ELECTRICAL CONDUCTIVITY PER WELL (μScm^{-1}) - PHASE 2

Farm No.	Well No.	Jan.99	Feb.99	Mar.99	Apr.99	May.99	Jun.99	Jul.99
002-030	203/441							
002-030	203/443							
002-031	206/433					11,660		
002-031	206/434			11,160				
002-033	211/008	12,850						
002-033	211/009						11,240	
002-034	211/000	6,670		7,020	8,580	8,390	10,000	
002-034	211/001	9,940		10,230	11,640	11,450	12,680	
002-035	211/819	9,290			9,880	10,130	10,020	10,170
002-035	211/820	9,970				10,550	10,920	11,080
002-036	211/420	13,770						
002-036	211/421	15,070		16,850	16,410	18,040		23,600
002-037	211/434							
002-038	211/428							
002-038	211/429	10,320						
002-039	211/760							
002-039	211/761	20,400						23,400
002-039	211/763	12,570						
002-040	201/645			5,390	5,460	5,540	5,480	5,650
002-040	201/646			7,440	7,630	7,720	7,820	7,780
002-040	201/647			8,030				
002-040	201/648							
002-040	201/650							
002-040	201/651							
002-040	201/654				3,540	3,550	3,600	3,650
002-040	201/655				4,010			
002-041	203/307				7,410			
002-042	202/938							
002-042	202/939	9,370		9,860	10,480			
002-042	202/940							
002-043	203/386							
002-043	203/387							
002-044	203/388			12,400	13,870	13,920	14,990	
002-045	203/390	13,520		14,860		15,980		
002-045	203/391							
002-045	203/392							

APPENDIX D ELECTRICAL CONDUCTIVITY PER WELL (μScm^{-1}) - PHASE 2

Farm No.	Well No.	Jan.99	Feb.99	Mar.99	Apr.99	May.99	Jun.99	Jul.99
002-045	203/393			17,750				
002-046	203/373							
002-047	203/350							4,770
002-047	203/351	4,840		5,640	5,500	5,570	5,690	5,590
002-048	203/402							
002-048	203/403				17,270	17,420	17,550	
002-048	203/404				13,960	13,210	14,000	
002-049	202/930					24,100		
002-049	202/931	10,740		12,290	12,480	12,440	12,360	
002-049	202/932			6,420	6,900	7,390	7,310	
002-050	201/741			9,720				
002-050	201/742					12,940		
002-050	202/743			13,690		14,660	14,940	
002-051	201/824							
002-051	201/825			6,100				
002-052	204/467	1,590				1,900	1,900	1,930
002-052	204/468			1,650	1,660	1,660	1,650	1,630
002-053	204/442							
002-053	204/443			1,406	1,470	1,370	1,480	1,480
002-053	204/444			1,190	1,170	1,200	1,210	1,190
002-053	204/445			2,380		2,320	2,390	2,340
002-053	204/447						1,350	1,340
002-054	204/419	1,330		1,400	1,430	1,420		1,370
002-054	204/420					1,950		1,940
002-055	205/333							
002-055	205/336				3,000	3,250	2,980	
002-056	205/255			990	1,710			790
002-056	205/256				880			
002-057	205/216	1,930		2,030	2,040	2,060	2,170	2,070
002-057	205/217	1,740		1,830	1,880	1,880	1,890	1,910
002-057	205/219	1,130		1,250	1,250	1,260	1,320	1,300
002-058	205/206							
002-058	205/209							
002-059	205/174	4,100		4,110	4,240	4,410	4,490	4,650
002-059	205/177							
002-060	205/195	5,260		5,210	5,160	5,150		

APPENDIX D ELECTRICAL CONDUCTIVITY PER WELL (μScm^{-1}) - PHASE 2

Farm No.	Well No.	Jan.99	Feb.99	Mar.99	Apr.99	May.99	Jun.99	Jul.99
002-060	205/196	5.190			5,320	5,390		
002-061	205/185				4,580	4,600	4,600	
002-061	205/186							
002-062	205/201	1,420			2,550	2,600	2,670	2,540
002-062	205/202	1,230				1,500	1,470	1,470
002-063	205/226				1,130			
002-063	205/229				1,240			
002-064	205/198						1,810	
002-064	205/199							1,820
002-065	211/645	1,230		1,280	1,290	1,310	1,300	1,290
002-065	211/646				1,004		1,040	1,060
002-066	002/052	720						
002-066	002/053							
002-066	002/054							
002-066	002/055	800	890					
002-066	002/056		690	830		870		880
002-066	002/057	770	900	820	840	840		850
002-066	002/060	790	910	840	860	870		870
002-066	002/061	780	850	820	840			
002-067	206/491	690			770			
002-068	211/625		1,240	1,160	1,200	1,210		1,240
002-068	211/626	910			970	950		960
002-069	211/784						9,870	
002-069	211/785					4,320		4,800
002-069	211/786	3.670		3,770	4,980	4,000	4,230	4,360
002-069	211/787							
002-070	000/003			2,690	2,870	2,850	2,730	2,620
002-070	211/780			3,750	3,760	3,830	3,870	3,930
002-071	211/775						9,440	
002-071	211/776	11.590		12,280	12,330		12,740	
002-072	211/772	1.960				2,160	2,160	2,200
002-072	211/773			5,770		5,800		6,530
002-073	211/800	2.590		2,730			2,750	2,750
002-073	211/801			2,380		2,410	2,480	2,440
002-074	211/912							1,900
002-074	211/913			1,330		1,360		1,360

APPENDIX D ELECTRICAL CONDUCTIVITY PER WELL (μScm^{-1}) - PHASE 2

Farm No.	Well No.	Jan.99	Feb.99	Mar.99	Apr.99	May.99	Jun.99	Jul.99
002-074	211/914			1,570		1,580	1,550	1,530
002-075	211/700					980		
002-075	211/701			910	920	920		940
002-075	211/704							
002-076	211/720				1,100	1,100	1,070	1,070
002-076	211/722			970		980	1,050	1,050
002-076	211/723						930	920
002-076	211/724				1,360	1,300		1,350
002-076	211/725			700	730	770	780	780
002-077	211/726							
002-077	211/727	650			730	710	760	750
002-078	211/452	750	730	780	700	860	800	880
002-078	211/453	510		520	560	560	550	550
002-079	211/732				610		590	600
002-079	211/733		570			540	540	540
002-079	211/734					600	640	
002-079	211/735		700	620	630	630	660	620
002-079	211/736							700
002-079	211/737				570	570	570	570
002-079	211/738							
002-080	211/706							
002-080	211/707			900	920	930	950	950
002-081	211/742			560	540	530	520	520
002-081	211/743			590	580	570	550	550
002-082	211/740			640	640	670	660	660
002-083	211/881					1,230		
002-083	211/883					1,390		
002-083	211/884							
002-083	211/886						760	
002-083	211/887					1,010	1,020	
002-084	211/874			1,840	1,800	1,850	1,880	1,920
002-084	211/875						1,560	
002-084	211/876			1,260	1,260	1,280	1,250	
002-084	211/877							
002-086	211/895			1,340	1,640	1,520	1,510	
002-086	211/896	1,470		1,550	1,640	1,720	1,740	1,970

APPENDIX D ELECTRICAL CONDUCTIVITY PER WELL (μScm^{-1}) - PHASE 2

Farm No.	Well No.	Jan.99	Feb.99	Mar.99	Apr.99	May.99	Jun.99	Jul.99
002-087	211/749	710		730	720	750	740	740
002-088	000/000	650	740	720	720	730	760	
002-088	211/599					3,070	3,180	3,120
002-088	211/600							
002-089	211/579				1,430	1,410	1,430	1,540
002-089	211/581						1,440	
002-089	211/582					1,370	1,380	
002-089	211/583				2,570	2,710	2,810	2,970
002-089	211/584			2,970		3,020	3,100	
002-090	211/601		1,150		1,250	1,250	1,250	1,250
002-090	211/602	890	930		980	990		1,060
002-090	211/603						1,500	
002-091	211/609	5,060	5,060		5,610			
002-091	211/612					5,110	5,480	
002-091	211/613							
002-092	211/575	4,220			4,750	4,760	4,850	5,000
002-092	211/576						8,560	8,600
002-092	211/577							
002-092	211/578	1,300	1,320				1,400	1,500
002-093	211/604		1,100				1,170	
002-094	211/666		2,470	3,330	3,530	3,820	4,090	4,500
002-095	211/650		900	830	950	810	1,050	
002-095	211/651	590			640	660	660	710
002-096	206/388					790	770	790
002-096	206/413			710	720	730	740	750
002-097	000/001		920	890	870	910	910	900
002-097	206/401		820	800		770		
002-098	206/381					1,300		1,320
002-098	206/382			1,230	1,250	1,280		1,320
002-098	206/383				1,550	1,560	1,540	1,620
002-099	206/377			1,140	1,160	1,220		1,180
002-099	206/378				1,220	1,250	1,230	1,230
002-099	206/406		960		980		1,000	1,000
002-100	211/677		1,180	1,120	1,110	1,130	1,120	1,150
002-100	211/678			1,010	1,010	1,050	1,030	1,070
002-100	211/679			1,120	1,030		1,010	1,050

APPENDIX D ELECTRICAL CONDUCTIVITY PER WELL (μScm^{-1}) - PHASE 2

Farm No.	Well No.	Jan.99	Feb.99	Mar.99	Apr.99	May.99	Jun.99	Jul.99
002-100	211/680		940			950	920	950
002-100	211/681		930		900	920	910	920
002-101	204/206			1,260	1,250	1,270	1,270	
002-102	204/200			8,040		8,150	8,410	
002-103	201/680							
002-104	201/657	8,620						
002-104	201/658	3,480		4,480	4,740	5,090		5,200
002-104	201/659							
002-104	201/660	7,050	7,050		7,920	8,120	8,170	8,340
002-105	211/500					32,200		
002-105	211/501	9,480		8,920				
002-105	211/502							
002-106	000/004							
002-106	201/720							
002-106	201/721							
002-106	201/723							
002-106	201/725							
002-106	201/726							
002-107	000/002			9,900	9,830	9,930	9,680	
002-108	201/677	12,220	12,220		12,800	13,160	12,980	13,560
002-108	201/678	18,370	18,370		19,950	20,030	19,360	
002-108	201/679							
002-109	206/360	7,150				8,620	7,730	
002-110	201/697							
002-110	201/698	17,210			37,620		20,030	18,340
002-110	201/699	10,890	10,890				11,810	12,030
002-111	000/006		5,030		5,800	5,900		
002-111	206/363							
002-111	206/364				9,120		9,250	9,680
002-111	206/375							
002-112	206/361	6,750	6,750		7,030	7,380	8,000	
002-112	206/362	9,200	9,200		10,100	10,350	10,270	
002-112	206/373				6,500			
002-112	206/374				13,810		7,130	
002-113	204/713							
002-113	204/719							

APPENDIX D ELECTRICAL CONDUCTIVITY PER WELL (μScm^{-1}) - PHASE 2

Farm No.	Well No.	Jan.99	Feb.99	Mar.99	Apr.99	May.99	Jun.99	Jul.99
002-113	204/721							
002-113	204/722					7,720		
002-114	204/728					4,380		
002-114	204/729					5,140		
002-114	204/730					8,490		
002-114	204/732				3,870	3,950		
002-115	204/752							

APPENDIX E

METER DATABASE

APPENDIX E

METER DATABASE

1. Meter Database

A database was developed for storage and querying of data on abstraction and water quality per well. Listed below is an outline of the database and explanation of the method for computation of abstraction and water quality. It is supported with samples of the various forms on which field data was recorded for data entry.

2. Field Activities

2.1. Meter Reading

All operational wells were routinely visited to record meter reading and water electrical conductivity and temperature. The frequency of reading was initially fortnightly on Phase 1 wells from March 1994 to October 1995, and after which all readings were on a monthly basis. Farms were visited in a systematic order, based on proximity from east to west, over the month, with between 5 to 8 farms visited per day dependent on the number of wells per farm. Readings and comments were recorded on the "Meter Reading" form, listing farm, well and meter numbers, meter reading, and water EC and temperature. (Form 1).

2.2. Meter Maintenance

During farm visits for metering reading any operational problems with the water meter were noted and recorded on a 'Meter Fault' form, for follow-up maintenance. The form listed details of date, farm, well, meter and type of fault (Form 2). The farm was subsequently visited to repair or, if necessary, replace the meter. A range of faults were encountered including stone blockages, internal corrosion, malfunction of meter registers and mechanical faults. Meters were disassembled on site to identify the faults and repaired if possible or when not possible replaced. Details of maintenance activities and meter replacements was recorded on a 'Meter Maintenance' form (Form 3). The form listed date, farm, well, meter, type of fault, as well as details of the remedial action(s), and replacement meter including meter readings (existing and new).

2.3. Meter Calibration

All meters were routinely calibrated to verify accuracy of reading. Three calibration methods were employed over the research period, these were:

- Volumetric calibration; on wells with a storage tank, the meter reading was compared with the measured tank volume.
- Comparative calibration; were there was no storage tank, a second calibrated meter was coupled to a discharge point, downstream of the well meter, and readings compared for the two meters.
- Meter Test Bench; from October 1997 onwards meters were taken to the MWR Metering Workshop at Barka, which comprises of meter test bench, electromagnetic meter and calibrated storage tank. Meter were tested for accuracy of reading at minimum (Qmin) and maximum (Qmax) flows.

The results of the calibration tests were recorded on a 'Meter Calibration' form (Form 4), on which the accuracy was calculated. The minimum acceptable accuracy of reading was plus or minim 2% for helical vane meters and 5% for proportional meters. Meters that fell outside these ranges were adjusted (with the meter calibration adjustment) and re-calibrated. When it proved not possible to attain an acceptable level of accuracy by adjustment the meter was replaced.

3. Metering Database

During the initial stage of the study programme a database was developed for the storage and querying of information on meters and meter readings. The database was developed in Paradox (version 4.0) software with the compilation of tables, forms and scripts for data entry, data validity checks, querying and reporting. The water meter number (an assigned six digit number between 000-001 to 000-500) was the key field in all tables. Listed below is an outline of the database, it's structure and the method for computation of abstraction.

3.1. Structure

The database comprises a series of menu and submenus for data entry, querying and reporting as presented in Table 1. The structure provides for data entry functions for addition of new water meters, relocation of existing meters, entry of meter reading and editing of existing reading. Abstraction records were queried for all farms and wells or on an individual farm or well basis, over a specified reporting period. Outputs from these queries could be either print

and/or exported to a Lotus spreadsheet, from which the various tables in the appendices were compiled.

Table 1 Database Menu Structure and Functions

Menu	Submenu	Function
Master	Meter Details	Entry of new meter and recording of meter make, meter number, diameter and type.
	Meter Relocation	Entry of relocation of meters, recorded the date and location of meters.
Data Entry	Enter New Reading	Entry of meter reading, date, water EC and temperature.
	Edit Meter Reading	Edit an existing meter reading, water EC and temperature
Abstraction	Summary for all Farms	Total abstraction for all farms over a specified query period
	Summary for a Farm	Total abstraction for an individual farm over a specified query period.
	All Farms and Wells	Total abstraction for all farms and wells over a specified query period.
	Select a Farm	Total abstraction for an individual farm and well(s) over a specified query period.
	Select a Well	Total abstraction for an individual well over a specified query period.

3.1.1. Validity Checks

The database incorporated a number of validity checks to prevent the entry of invalid data, these included:

- Date; date entries could not post date current date nor precede an existing date entered for a meter reading.
- Meter Reading; a meter reading could not be less than an existing meter reading or exceed more than 8 digits (999,999.99)
- Meter Number; a meter number could not be entered on a well (relocation) if that meter existed on another well.

The validity checks formed the primary quality control of data entry. All records were further evaluated post data entry for erroneous records.

3.2. Computation of Abstraction

A methodology was developed within the database for the computation of abstraction for the specified query period. For the purposes of comparison of abstraction between wells and farms, and over time, it was necessary to develop a method of calculating abstraction over standard query periods, typically a calendar month and year. Meters were read through the month, and often the same meter on different days of each month, they were also relocated or replaced. Therefore abstraction records were stored on a farm, well and meter basis, along with the total abstraction and rate (m^3d^{-1}) between the reading dates (start day and end day). The calculation of abstraction was based on the well, and sum of wells for a farm. Individual well abstraction is therefore the sum of the daily rates (m^3d^{-1}) pro rata over the query period. The records for the computation of abstraction were queried on a monthly basis for wells and farms, and the results presented in Appendices F, G, and H.

APPENDIX F

MONTHLY ABSTRACTION PER WELL (1994-2000)

APPENDIX F MONTHLY ABSTRACTION PER WELL (1994-2000) PHASE 1

Farm No	Well No	Mar94	Apr94	May94	Jun94	Jul94	Aug94	Sep94	Oct94	Nov94	Dec94	Jan95	Feb95	Mar95	Apr95	May95	Jun95	Jul95
001-001	211/909	889	5,522	8,746	6,066	1,841	9,767	4,873	5.039	4,280	4,143	2,293	2,123	2,999	3,993	5,469	4,842	4,113
001-001	211/910	3,489	3,929	5,583	5,132	2,998	6,963	4,852	4,989	3,611	4,071	2,279	2,191	2,877	3,296	3,825	4,371	3,818
001-003	205/326	3,504	5,080	5,762	5,681	5,089	6,269	5,279	3,687	211		2	23	1,152	3,238	6,158	5,281	3,709
001-003	205/327			5,670	8,707	9,370	8,876	7,239	8,177	7,757	8,314	8,491	6,599	7,234	6,577	12,974	9,774	7,520
001-003	205/328	2,057	2,982	3,606	3,299	3,000	2,824	2,045	2,084	2,349	2,954	2,749	2,410	2,423	2,256	4,401	3,733	3,487
001-003	205/329																	
001-003	205/330	1,911	2,729	2,664	2,668	2,667	2,786	2,534	2,311	2,190	2,326	2,350	1,874	2,294	3,239	4,025	3,377	2,487
001-004	211/627	3,523	4,366	4,861	4,608	3,407	2,966	3,177	3,382	2,429	2,613	2,393	1,933	3,966	4,980	5,877	4,542	4,297
001-004	211/628	3,077	3,931	5,585	7.258	3.572	6.702	7.272	5,546	3,897	4,073	4,885	3,929	5,672	6,736	8,911	7,258	3,572
001-005	205/319	2,785	3,932	4,900	5,007	5,437	5,777	4,869	4,685	5,501	4,807	5,305	3,833	4,008	4,289	4,905	4,031	4,224
001-005	205/320	4,992	7,441	7,349	7,314	7,464	7,375	6,706	6,590	6,574	6,812	6,763	5,272	5,746	6,417	7,031	6,228	6,649
001-005	205/321	4,895	7,275	7,110	5,738	6,785	6,863	6,222	5,907	5,932	6,128	6,097	4,928	5,446	6,022	6,651	5,772	5,868
001-005	205/322	67	93	327	3,945	4,409	4,259	3,794	3,708	3,705	3,853	3,713	2,945	3,281	3,587	2,268	311	3,369
001-005	205/324	1,973	3,372	6,916	6,480	6,073	5,119	3,694	2,871	2,515	2,812	2,930	2,515	3,062	3,338	4,078	2,630	61
001-005	205/325	3,813	6,002	4,043	8,870	6,271	6,307	5,578	5,317	4,735	6,147	5,836	4,917	5,131	5,981	6,065	4,557	5,207
001-006	211/714	3,100	3,699	3,326	2,823	2,659	2,693	2,687	2,544	2,263	2,762	3,401	2,687	2,702	2,979	3,399	2,506	2,493
001-006	211/715	2,766	3,435	4,462	3,942	3,452	3,996	3,958	4,169	3,660	3,570	784	413	2,861	4,098	4,601	3,631	3,922
001-006	211/716	2,210	2,666	3,054	3,004	2,807	3,148	2,917	2,973	2,891	3,062	3,249	2,696	2,551	2,817	3,368	3,225	3,536
001-007	204/183	6,066	10,681	11,923	11,741	11,365	10,804	9,055	8,607	7,453	8,180	10,647	8,579	6,748	8,345	8,053	8,897	6,964
001-007	204/952								2,373	3,437	3,257	3,532	3,216	2,554	5,531	7,685	7,235	6,896
001-008	201/433	34	35				972	1,687	560	843	778	847	718	716	1,117	1,876	1,922	1,767
001-008	201/434	6,204	7,699	6,165	9.176	6.747	7.842	7.668	8.034	7.120	5.718	5.896	5.770	6.798	7.647	9.231	9.176	6,747
001-009	211/402	2,731	2,904	4,920	5,133	4,666	4,733	3,995	2,333	3,804	2,708	2,299	2,005	2,665	3,514	4,943	4,576	4,897
001-009	211/403	4,660	4,726	6,998	6,920	6,298	6,405	5,471	5,416	3,407	3,852	3,609	2,465	3,149	4,739	6,985	3,259	6,260
001-010	211/413	1,063	1,265	1,681	1,204	1,102	1,439	1,571	1,751	1,451	1,762	1,673	1,213	1,367	1,601	1,804	1,168	1,011
001-010	211/414	1,151	1,401	1,821	1,693	1,432	1,130	1,228	1,576	1,671	1,666	1,574	1,234	1,144	1,629	1,998	1,162	1,091
001-011	211/813			1,145	1,630	1,236	350	740	240	498	167	90	13	100	344	452	1,061	2,267
001-011	211/814	17,274	20,129	21,471	16,040	14,975	14,425	13,597	13,239	9,503	8,810	9,050	6,961	8,244	10,716	15,119	12,150	4,596
001-011	211/908	5,958	6,753	5,317	3,039	1,782	1,292	912	861	827	581	542	641	495	1,064	1,002	98	59
001-012	205/290	1,559	2,155	3,733	5,367	5,541	5,072	2.880	1.908	990	864	908	1.007	1.854	4.602	5.642	5,722	5,904
001-012	205/291	2,761	4,167	6,082	7,846	7,410	6,299	5,549	3,726	3,434	3,373	3,057	2,886	2,064	1,972	3,231	3,313	3,969
001-012	205/293	1,945	2,316	8.578	5.162	5.908	5,935	5.698	2,389	3,478	4,732	6,549	4,677	4,207	5,430	8,578	5,162	5,908
001-013	204/141	4,337	4,658	6,158	7,295	5,306	5,795	5,257	6,170	5,985	4,827	5,733	5,577	4,056	8,298	5,794	5,600	5,311
001-013	204/142	1,968	3,093	8,005	7,324	6,739	6,302	6,819	6,125	5,978	5,471	7,030	4,707	1,834	6,462	5,175	5,753	6,307
001-013	204/143	10,399	13,727	15,143	11,419	877			8,463	13,946	7,363		1,390	8,990	12,062	15,346	10,420	1,595
001-013	204/146	3,986	4,159	11,786	12,509	14,622	8,333		6,521	11,698	7,845	5,691	3,704	3,164	224		2	
001-013	204/147	10,415	13,562	14,636	14,197	13,375	13,867	12,771	13,543	13,597	13,312	14,379	10,751	10,085	13,386	15,285	13,419	14,524

APPENDIX F MONTHLY ABSTRACTION PER WELL (1994-2000) PHASE 1

Farm No	Well No	Mar94	Apr94	May94	Jun94	Jul94	Aug94	Sep94	Oct94	Nov94	Dec94	Jan95	Feb95	Mar95	Apr95	May95	Jun95	Jul95
001-013	204/148	670	1,382	4,380	4,301	3,759	3,855	3,767	3,631	3,138	1,633	1,513	1,375	1,181	2,423	4,387	4,593	4,294
001-013	204/149	618	1,472	3,834	6,445	8,488	5,402	10,755	2,764	328	4,304	5,765	3,342	3,759	5,849	7,688	7,147	7,853
001-013	204/150	30	8,735	8,675	6,273	6,818	4,012	4,820	5,567	5,303	3,538	2,255	1,681	2,092	3,597	6,082	5,712	5,060
001-013	204/151	973	1,327	4,158	4,403	11,983	12,929	12,162	10,468	10,491	10,380	11,657	8,434	8,256	10,967	11,484	10,545	13,584
001-015	201/475	858	1,678	2,071	2,184	1,597	1,994	1,516	1,845	1,767	1,890	1,709	1,199	676	1,352	1,393	1,714	791
001-015	201/476	1,286	2,460	2,727	2,540	1,795	2,595	1,441	1,448	1,264	1,104	1,612	1,490	832	963	1,048	1,170	665
001-015	201/477	166	279	200	274	95	21	286	120	107	80	210	265	117	183	203	189	122
001-016	203/111	835	1,439	1,508	1,529	1,057	898	651	1,346	1,159	1,191	998	822	490	996	545	921	657
001-016	203/112	386	591	270	150	91	83	62	22	162	357	34		210	583	46	3	14
001-017	201/229						0											
001-017	201/332	1,348	2,497	3,372	4,812	2,978	5,421	2,338	548	182	18,828	2,329	2,665	6,707	14,829	1,788	6,212	2,764
001-018	203/185	2,762	5,144	6,159	1,719	2,373	2,653	1,925	1,492	1,582	2,315	2,965	2,043	2,582	2,658	3,528	3,676	2,490
001-018	203/273		6,047	8,281	11,665	9,488	8,960	9,531	8,886	7,607	5,766	6,900	5,390	5,982	7,515	10,123	9,302	8,321
001-019	204/124	2,737	7,359	12,457	9,018		6,759	9,876	9,209	6,706	7,498	6,351	8,726	6,172	8,939	14,235	11,298	9,972
001-019	204/125	819	6,113	18,055	7,171		6,044	7,638	8,013	7,121	6,639	4,990	7,115	4,898	8,449	11,221	9,993	9,711
001-019	204/126	2,946	6,094	7,011	7,427	7,019	7,230	5,652	5,673	4,242	4,516	2,565	5,808	5,806	6,646	8,386	7,339	8,120
001-020	201/100	1,229	3,664	8,379	7,876	5,492	5,298	5,125	4,246	3,152	2,947	4,731	5,191	6,461	9,298	10,402	8,390	7,450
001-020	201/101	1,621	2,895	3,158	3,348	3,479	3,000	395	56	1							0	
001-021	206/276	6,956	12,122	17,419	14,598	15,756	13,878	13,372	11,780	15,829	14,963	10,043	2,845	11,406	14,329	19,151	18,179	19,549
001-021	206/277	3,809	7,052	13,559	9,856	10,570	10,592	11,538	10,561	13,902	6,326	5,866	6,465	7,591	8,661	15,071	11,912	9,774
001-021	206/278	3,224	6,118	12,196	8,963	9,087	8,670	12,277	10,557	8,731	1,802	2,578	2,797	3,987	5,302	12,249	10,250	6,873
001-022	211/261			4,174	5,666	4,869	5,592	5,101	4,820	4,396	4,669	4,384	2,824	5,169	5,171	4,974	5,151	4,726
001-022	211/262	1,718	3,506	4,444	4,636	5,114	5,340	4,810	4,769	4,616	4,981	5,151	3,551	5,474	5,417	5,134	5,535	4,394
001-023	204/060	4,304	7,599	8,884	7,999	8,659	9,373	7,295	7,769	7,745	4,336	7,027	5,096	3,322	8,617	8,319	8,083	7,656
001-024	201/184	2,613	19,595	16,884	15,147	14,496	12,113	11,563	11,332	13,662	11,013	10,753	10,045	11,796	12,526	14,758	13,667	14,496
001-024	201/185	2,166	6,718	18,994	18,535	20,727	19,672	18,293	17,590	16,643	16,753	21,201	16,464	14,476	18,077	20,557	20,533	19,995
001-024	201/186	3,126	5,844	7,348	9,126	9,661	7,053	5,035	5,673	6,137	4,810	5,037	3,812	4,075	5,461	8,499	9,489	9,570
001-024	201/187	2,210	3,779	7,006	4,069	5,078	4,475	5,959	4,307	2,658	4,082	4,410	2,544	2,877	3,098	4,667	4,435	3,610
001-025	206/543	3,360	11,041	11,984	14,728	13,389	12,013	13,343	13,317	11,022	11,818	11,815	8,004	8,075	11,130	13,073	13,345	12,545
001-025	206/544	1,522	1,761	2,034	2,420	2,100	2,089	1,827	1,828	1,242	1,838	1,674	1,228	1,522	1,761	2,034	2,420	2,100
001-025	206/545	1,874	6,739	7,464	9,175	8,135	7,528	7,405	8,074	6,841	7,844	7,807	5,103	5,443	5,975	6,033	7,264	8,161
001-026	201/671	816	6,213	4,774	2,152		2,680	2,963	3,483	3,184	2,588	4,057	2,807	2,633	4,267	4,073	3,189	3,008
001-026	201/672	288	856	240			128	200	186	1	163	348	92	1	301	504	3	3
001-026	201/673			2,853	2,163	1,621	1,466	982	1,446	753	1,714	1,239	575	747	1,116	2,223	587	18
001-027	205/266	225	323	69	534	140	860	507	312	731	621	263	530	642	689	788	615	599
001-027	205/267				58	62	62	60	28	40	25	59	1	38	65	52	49	51

APPENDIX F MONTHLY ABSTRACTION PER WELL (1994-2000) PHASE 1

Farm No	Well No	Aug95	Sep95	Oct95	Nov95	Dec95	Jan96	Feb96	Mar96	Apr96	May96	Jun96	Jul96	Aug96	Sep96	Oct96	Nov96	Dec96
001-001	211/909	4,696	4,328	2,739	1,539	1,764	2,044	2,882	3,966	5,155	6,838	6,416	4,260	6,281	4,679	5,013	4,379	3,333
001-001	211/910	4,733	4,630	5,575	4,570	1,998	2,398	2,734	3,793	5,052	6,335	5,635	6,580	4,810	3,722	4,435	4,164	3,055
001-003	205/326	2,576	3,542	3,550	1,804	1,749	1,684	1,825	2,681	3,155	2,168	4,445	4,570	4,450	1,804	3,414	3,396	3,498
001-003	205/327	4,453	8,895	2,358	391						8,574	12,730	13,549	14,170	14,542	15,380	14,447	14,881
001-003	205/328	4,088	3,899	4,208	4,176	1,788	3,428	2,721	3,860	4,332	4,281	3,479	3,229	3,209	3,418	3,335	1,847	2,718
001-003	205/329			190	47	5	9	2	0	0								
001-003	205/330	696	137	1,897	2,512	1,838	1,891	1,570	2,600	2,881	3,006	2,522	2,745	3,035	3,261	3,322	2,911	2,933
001-004	211/627	3,843	3,333	3,337	3,091	2,419	4,031	3,767	4,449	4,360	4,545	4,192	4,094	3,798	3,685	3,910	3,776	4,031
001-004	211/628	6,702	7,272	7,491	7,047	3,407	4,539	4,128	5,944	7,314	8,268	7,999	7,823	7,800	6,873	6,751	5,368	3,827
001-005	205/319	4,138	4,053	4,188	3,938	3,314	3,428	3,371	4,657	3,449	3,720	3,971	4,156	3,929	3,687	3,685	3,667	3,912
001-005	205/320	6,523	5,799	5,918	5,685	4,940	4,443	4,361	2,224	4,519	5,886	6,086	6,492	6,113	5,488	5,469	5,506	5,848
001-005	205/321	5,659	5,064	4,990	4,781	4,038	3,818	3,647	4,369	6,733	2,363	3,908	4,629	4,372	4,324	4,303	4,223	4,742
001-005	205/322	3,870	1,893	2,583	3,140	2,934	2,790	2,903	3,546	3,476	3,369	3,256	3,550	3,171	3,244	3,135	3,113	3,356
001-005	205/324			2,672	1,382	994	2,977	3,936	3,949	2,923	3,735	4,204	3,736	3,522	3,389	3,284	2,106	1,486
001-005	205/325	5,447	4,973	4,572	4,836	4,464	4,122	4,378	4,597	4,457	4,255	4,384	4,552	4,396	4,436	4,369	4,531	4,602
001-006	211/714	2,859	3,124	2,554	2,497	2,378	1,939	2,438	2,820	2,789	2,799	2,708	2,765	3,526	3,676	2,709	2,214	2,064
001-006	211/715	4,078	3,958	3,961	3,882	3,664	3,528	3,284	3,845	4,266	4,355	4,000	4,679	4,254	4,209	4,394	3,499	2,917
001-006	211/716	3,162	1,943	3,797	3,512	3,498	3,248	3,015	3,128	3,494	3,786	3,805	3,185	1,334	493	3,088	2,861	2,484
001-007	204/183	7,046	5,699	5,075	5,098	5,182	6,447	5,492	7,240	8,562	7,345	6,478	5,696	5,203	4,768	3,538	2,433	2,230
001-007	204/952	6,147	5,729	6,887	6,387	3,122	3,445	4,138	5,966	7,834	9,435	6,863	6,320	5,716	6,989	5,080	8,024	6,060
001-008	201/433	1,602	1,574	1,372	1,133	448	1,585	2,030	1,035	1,086	1,821	2,052	2,806	2,091	1,543	1,520	1,434	1,117
001-008	201/434	7,842	7,668	8,034	7,120	5,718	5,896	5,770	6,798	7,647	9,231	9,176	9,855	9,280	8,407	8,395	7,246	5,774
001-009	211/402	5,476	4,742	4,509	4,138	2,849	2,732	3,767	3,391	4,412	5,182	5,419	5,066	4,975	3,488	3,979	3,508	2,425
001-009	211/403	7,294	6,107	6,099	5,360	3,593	3,372	4,582	4,115	5,284	5,604	6,106	5,673	6,060	4,132	4,828	4,064	2,763
001-010	211/413	1,377	1,720	2,302	1,807	1,754	1,550	268	780	2,251	2,923	2,896	2,586	2,342	2,392	2,454	2,191	2,270
001-010	211/414	1,245	1,357	2,489	1,873	1,788	1,637	2,595	3,184	3,194	2,957	2,906	2,731	2,412	2,182	2,356	2,222	2,300
001-011	211/813	540	253	338	1,145	1,061	82	71	15	1							4	1
001-011	211/814	10,503	11,514	9,447	6,055	4,036	6,827	8,106	10,744	13,570	15,285	14,685	14,175	14,249	13,870	12,396	11,660	9,424
001-011	211/908	2			9	2	0									2	0	0
001-012	205/290	4,821	4,232	2,687	1,031	3,749	3,632	3,001	3,808	4,489	5,510	5,530	3,865	1,598	2,880	1,908	990	864
001-012	205/291	2,358	4,321	3,185	3,367	3,041	2,447	2,111	2,056	2,643	3,689	985	6,232	2,562	1,106	2,246	2,060	1,675
001-012	205/293	5,935	5,698	6,446	6,107	5,182	4,693	4,877	5,025	5,831	7,166	6,812	6,459	6,746	5,900	6,192	5,040	4,469
001-013	204/141	4,557	1,114	659	3,946	4,179	3,203	4,110	4,272	5,104	5,958	5,692	6,007	6,059	5,047	3,474	2,838	3,125
001-013	204/142	5,903	5,827	5,880	5,848	4,526	1,146	2,985	4,723	4,403	6,784	6,275	6,335	5,460	5,029	5,248	4,837	5,685
001-013	204/143	1,884	15,253	15,939	15,193	11,994	6,816	10,556	11,183	12,882	14,622	13,581	14,027	13,375	13,532	13,036	14,336	14,235
001-013	204/146																	
001-013	204/147	1,395	3,613	4,308	7,682	6,098	4,230	5,718	6,518	7,456	9,194	8,383	8,954	8,595	8,810	8,698	11,921	14,074

APPENDIX F MONTHLY ABSTRACTION PER WELL (1994-2000) PHASE 1

Farm No	Well No	Aug95	Sep95	Oct95	Nov95	Dec95	Jan96	Feb96	Mar96	Apr96	May96	Jun96	Jul96	Aug96	Sep96	Oct96	Nov96	Dec96
001-013	204/148	3,722	3,054	3,012	2,072	767	651	1,404	1,763	2,452	2,586	2,633	2,255	1,911	1,606	1,025	1,118	674
001-013	204/149	7,624	8,488	8,848	8,574	6,203	0	0	0	0	6,621	8,177	9,272	7,431	8,607	8,705	7,638	6,758
001-013	204/150	4,983	5,028	5,148	4,453	2,896	1,414	2,679	3,107	4,043	4,515	4,993	4,213	661				985
001-013	204/151	7,903	11,121	12,162	11,620	12,475	3,483	8,391	9,322	10,643	12,829	12,376	13,238	12,423	12,669	13,298	10,985	11,477
001-015	201/475	1,006	231	46	10			889	1,354	1,304	1,177	1,001	487	538	752	300	28	0
001-015	201/476	685	705	718	708	730	213	671	776	732	983	745	655	1,122	1,517	1,713	1,625	1,616
001-015	201/477	148	164	170	38		63	37	116	160	209	136	90	221	287	272	300	296
001-016	203/111	460	1,051	1,177	1,130	1,028	234	333	620	573	976	641	543	709	936	941	906	1,032
001-016	203/112	33	154	174	169	28	17	16	10	28	41	40	41	195	424	281	386	496
001-017	201/229																	
001-017	201/332	1,797	2,005	2,128	2,778	4,254	2,266	2,357	2,942	2,143	2,011	2,339	2,328	1,660	1,153	2,532	7,424	8,850
001-018	203/185	2,366	3,330	3,867	2,791	1,360	1,199	1,966	1,768	1,263	5,402	6,720	6,021	6,189	5,655	4,016	3,373	3,052
001-018	203/273	8,212	8,643	9,168	7,868	5,178	4,255	6,909	8,324	10,623	11,536	9,155	10,326	7,499	8,113	8,557	6,107	4,684
001-019	204/124	9,357	8,231	8,544	6,681	3,596	5,204	7,140	6,453	9,683	12,235	11,606	12,540	10,146	10,506	7,690	5,351	3,897
001-019	204/125	8,903	7,694	7,830	4,613	2,725	3,852	4,872	5,551	8,066	10,282	9,533	8,071	9,153	6,980	6,554	3,085	2,716
001-019	204/126	7,485	6,566	6,581	5,739	3,407	4,676	5,230	5,743	6,373	7,419	7,322	7,559	6,858	5,925	5,132	4,934	4,541
001-020	201/100	7,525	5,875	5,891	4,599	3,371	3,767	6,863	4,233	6,885	10,302	9,372	7,523	7,941	8,504	8,058	5,542	5,387
001-020	201/101	463	983	1,049	786	349	192	82	43	28	6	18	852	324	134	929	1,282	1,232
001-021	206/276	18,189	15,852	15,717	16,751	18,911	19,524	14,947	14,111	12,442	15,141	18,418	19,038	19,072	19,966	21,066	20,576	19,449
001-021	206/277	12,052	10,982	10,711	10,989	4,853	1,169	5,716	8,710	12,128	10,880	9,941	11,444	11,747	6,650	7,098	7,027	5,344
001-021	206/278	11,457	8,906	7,688	4,813	1,816	535	3,283	5,074	8,803	13,321	12,943	6,158	4,851	4,217	3,712	3,981	3,067
001-022	211/261	4,428	3,933	4,063	3,342	2,599	2,511	3,711	3,544	3,985	4,849	4,613	1,419	138	672	3,102	2,816	3,074
001-022	211/262	5,512	5,607	5,787	4,985	3,514	3,667	4,253	4,781	4,979	6,181	6,128	5,975	5,388	4,712	3,787	2,797	2,425
001-023	204/060	8,123	7,522	7,460	7,102	5,905	5,482	5,202	6,103	6,032	7,399	7,431	8,660	8,669	7,481	7,391	6,542	6,466
001-024	201/184	12,113	11,563	11,864	10,178	5,650	7,168	2,495			14,914	19,154	18,798	18,786	16,354	14,216	10,518	9,851
001-024	201/185	19,639	18,860	19,284	17,337	10,679	15,451	17,591	14,766	15,877	18,995	18,367	17,855	18,014	16,749	16,792	14,307	15,359
001-024	201/186	8,067	8,525	8,689	5,979	3,684	4,393	2,697	2,828	2,623	8,875	8,714	8,228	7,797	7,063	6,260	5,099	4,908
001-024	201/187	5,037	4,099	4,015	2,966	2,786	2,108	2,908	3,630	4,069	3,281	4,264	6,427	6,156	4,235	2,746	379	
001-025	206/543	12,557	12,526	12,991	11,543	9,765	10,575	10,292	10,667	11,219	12,967	14,583	15,476	11,915	9,558	12,481	11,060	10,295
001-025	206/544	2,089	1,763	1,678	1,651	1,576	1,518	1,203	1,007	1,610	2,706	2,543	1,630	2,128	1,528	2,432	2,052	1,570
001-025	206/545	8,475	7,771	7,642	6,843	6,139	5,240	6,177	7,769	8,495	9,558	7,069	8,105	9,028	8,269	9,167	8,494	8,275
001-026	201/671	3,510	4,484	4,923	4,103	1,521	503	1,619	3,065	2,632	2,939	3,739	3,377	2,043	2,637	2,829	1,734	1,539
001-026	201/672	1	3	4	1	1	746	362	37	3	0						0	0
001-026	201/673	2	0	0	0	1	0		30	36	110	176	156	109	81	135	87	83
001-027	205/266	607	638	708	566	487	634	603	551	582	694	684	570	494	418	503	475	382
001-027	205/267	54	52	56	51	37	34	32	38	13	79	66	49	42	29	34	35	28

APPENDIX F MONTHLY ABSTRACTION PER WELL (1994-2000) PHASE 1

Farm No	Well No	Jan97	Feb97	Mar97	Apr97	May97	Jun97	Jul97	Aug97	Sep97	Oct97	Nov97	Dec97	Jan98	Feb98	Mar98	Apr98	May98
001-001	211/909	2,762	3,199	2,877	4,046	5,293	5,384	5,535	5,114	5,075	4,169	3,608	3,583	3,535	3,603	5,248	5,924	6,788
001-001	211/910	2,671	3,126	2,598	3,560	4,493	4,801	5,322	4,128	4,051	3,379	1,718	2,231	2,328	2,156	3,590	3,739	4,090
001-003	205/326	3,367	3,626	4,210	4,672	7,220	6,222	5,870	5,575	5,702	5,957	4,652	4,686	4,158	4,804	5,855	5,449	5,807
001-003	205/327	13,769	14,354	12,502	12,144	13,960	13,958	15,647	16,975	15,352	11,421	9,825	8,822	7,759	7,926	9,465	10,459	11,253
001-003	205/328	2,651	2,655	2,147	1,999	3,246	3,029	3,752	4,059	3,470	3,859	3,767	3,160	3,345	2,702	4,162	4,560	4,699
001-003	205/329																	
001-003	205/330	2,523	2,584	2,167	2,343	3,062	2,719	2,926	3,182	2,998	2,676	2,602	2,205	2,360	2,436	2,242	1,146	1,067
001-004	211/627	3,115	3,162	3,526	4,130	5,747	4,624	4,666	4,287	4,639	4,906	4,054	4,753	4,130	4,402	5,460	6,590	6,516
001-004	211/628	3,596	3,592	3,842	4,082	5,450	7,476	7,708	6,547	4,992	4,753	3,554	4,082	3,714	4,961	5,604	5,941	6,778
001-005	205/319	3,557	3,242	2,384	3,508	4,184	3,971	4,250	4,218	4,905	4,263	3,164	3,749	2,999	2,716	3,193	3,712	3,262
001-005	205/320	5,302	4,646	4,350	4,681	6,188	5,830	6,127	5,718	5,514	5,456	5,184	5,809	4,445	4,983	5,653	4,853	5,373
001-005	205/321	4,258	3,886	3,387	3,769	4,614	4,748	5,122	5,108	5,097	4,839	4,636	4,613	1,828	2,606	5,228	4,679	5,169
001-005	205/322	3,095	2,693	2,578	2,589	1,336	3,267	3,640	3,297	3,322	3,322	3,213	1,922	2,247	1,421	2,698	3,413	3,885
001-005	205/324	972	1,852	1,135	1,772	2,785	2,303	2,174	2,396	2,350	2,193	2,110	1,308	1,092	979	1,467	1,123	1,196
001-005	205/325	4,429	3,988	3,804	3,279	4,778	4,764	5,351	5,238	2,729	3,058	4,000	4,774	3,784	3,693	4,046	4,081	5,346
001-006	211/714	2,279	2,167	2,023	2,477	2,750	2,594	2,328	2,252	2,223	1,742	1,185	1,612	2,172	2,366	2,693	2,560	3,007
001-006	211/715	3,005	3,064	3,139	3,546	4,178	3,512	3,865	3,649	3,362	3,142	2,212	2,246	2,807	2,879	3,980	4,566	5,438
001-006	211/716	2,631	2,542	2,522	2,522	3,501	3,023	2,722	2,786	2,518	2,153	1,538	1,571	1,109	1,099	1,987	2,633	2,987
001-007	204/183	2,305	3,247	3,388	5,090	6,463	5,959	5,299	4,276	3,929	3,415	1,814	1,936	2,043	1,657	2,802	3,908	4,889
001-007	204/952	4,565	4,506	4,833	4,294	6,383	6,112	6,594	7,329	7,280	6,549	4,977	4,932	4,493	5,050	7,592	8,676	9,855
001-008	201/433	1,014	1,912	1,376	2,206	1,418	1,748	3,081	2,491	1,766	1,666	992	960	989	1,043	1,653	2,309	3,062
001-008	201/434	6,069	6,153	6,720	7,093	9,034	9,922	9,724	9,738	9,405	9,099	6,533	5,371	5,419	6,372	8,835	9,529	10,294
001-009	211/402	3,841	3,434	3,079	3,372	4,883	4,655	4,440	4,261	3,786	3,906	2,262	3,126	3,141	2,868	3,945	4,657	4,850
001-009	211/403	4,671	4,082	3,479	3,853	5,532	5,947	5,828	5,753	4,376	4,411	2,445	3,330	3,388	3,283	4,353	5,221	5,527
001-010	211/413	2,383	2,754	2,575	2,883	3,299	3,112	3,201	3,154	2,799	2,586	2,362	2,522	2,295	2,125	2,857	3,427	3,923
001-010	211/414	2,475	2,739	2,193	2,657	2,933	2,848	3,025	2,976	2,776	2,656	2,338	2,123	2,142	1,673	2,745	3,251	3,495
001-011	211/813			88	16	19	87	16				13	1				1,218	281
001-011	211/814	9,383	9,176	7,804	11,272	15,393	14,858	15,373	14,233	13,646	13,517	9,415	10,226	9,156	8,050	12,023	10,437	13,360
001-011	211/908	0							0	0	0	20	2				7	107
001-012	205/290	908	1,007	1,854	4,602	5,642	5,722	5,904	4,821	4,232	2,687	1,031	3,749	3,632	3,001	3,808	4,489	5,510
001-012	205/291	1,384	1,380	1,290	524	4,929	6,283	6,508	5,119	4,801	6,805	6,656	4,542	3,713	2,982	4,785	5,917	7,239
001-012	205/293	4,382	4,016	2,526	374										11	1		
001-013	204/141	2,571	605	140	1,510	3,026	2,478	4,092	3,480	2,461	1,795	290	7		0	0	978	2,359
001-013	204/142	4,247	2,644	3,702	5,769	8,143	8,094	8,268	7,668	7,739	6,214	5,781	6,474	4,803	4,447	7,499	8,102	8,159
001-013	204/143	11,077	9,225	8,099	10,080	14,872	15,802	15,443	15,214	15,126	13,365	11,125	11,832	10,930	9,681	12,855	13,804	15,123
001-013	204/146					2,571	4,030	5,997	5,455	5,485	5,154	3,490	3,741	3,506	3,476	4,457	4,108	4,633
001-013	204/147	10,681	9,385	8,902	6,641	11,099	15,298	17,051	13,956	10,530	6,276	4,057	6,263	4,037	3,361	4,804	9,323	10,999

APPENDIX F MONTHLY ABSTRACTION PER WELL (1994-2000) PHASE 1

Farm No	Well No	Jan97	Feb97	Mar97	Apr97	May97	Jun97	Jul97	Aug97	Sep97	Oct97	Nov97	Dec97	Jan98	Feb98	Mar98	Apr98	May98
001-013	204/148	776	1,832	1,166	1,402	5,272	6,154	5,473	4,324	2,660	1,525	2,094	2,710	2,698	2,639	2,962	3,990	5,207
001-013	204/149	4,991	4,548	4,402	5,402	8,717	9,451	8,941	7,180	7,135	6,844	5,465	4,717	5,031	3,181	4,662	6,307	7,445
001-013	204/150	1,213	2,175	1,880	1,945	2,765	1,687	857	763	731	377	291	69	832	2,124	3,087	2,575	526
001-013	204/151	9,044	7,334	7,238	8,441	13,386	13,988	15,101	14,155	12,495	12,125	9,154	8,535	7,541	6,931	6,850	7,027	7,552
001-015	201/475	503	155	217	728	862	649	431	456	1,345	1,922	1,690	993	703	450	864	1,598	2,527
001-015	201/476	1,651	1,435	813	1,090	1,445	1,149	949	844	187	1,333	1,595	1,135	610	414	862	1,358	1,953
001-015	201/477	278	224	185	224	338	336	229	219	202	168	25	0	0	121	197	232	222
001-016	203/111	895	422	637	701	896	846	653	1,050	995	898	750	338	149	182	564	281	361
001-016	203/112	404	87	59	60	265	120	20	566	530	495	418	151	38	100	365	176	44
001-017	201/229													8,220	5,006	2,840	1,707	3,784
001-017	201/332	7,786	8,677	9,370	14,768	16,714	3,748	6,207	4,358	9,625	7,460	8,022	7,356	9,747	8,402	8,121	6,061	9,070
001-018	203/185	3,121	4,690	3,075	5,456	6,427	7,568	7,099	5,793	6,105	4,417	3,315	2,785	2,822	3,335	4,393	6,161	7,329
001-018	203/273	3,772	6,026	4,837	5,897	8,521	8,844	8,937	6,705	7,715	7,037	6,062	6,093	5,848	6,105	8,516	9,384	9,667
001-019	204/124	4,877	5,862	5,422	8,096	10,551	9,837	10,321	10,823	8,515	6,872	3,249	6,625	5,374	4,167	7,011	9,723	11,029
001-019	204/125	4,472	4,916	5,085	5,515	8,346	8,198	9,898	8,028	7,595	3,783	4,688	3,477	2,446	2,490	5,942	7,462	9,974
001-019	204/126	4,280	4,287	4,354	5,645	7,354	7,600	7,670	7,534	6,689	5,644	4,729	5,440	4,927	5,269	7,053	7,174	7,461
001-020	201/100	5,695	6,160	6,486	6,796	8,943	7,537	7,200	7,623	6,721	6,249	4,903	4,620	4,759	4,953	7,336	9,564	10,701
001-020	201/101	1,132	782	369	79	19	121	339	374	296	179	166	206	284	303	538	783	1,100
001-021	206/276	19,124	17,433	16,234	15,831	19,547	15,848	17,604	17,835	18,324	18,550	18,436	18,529	17,792	17,501	18,432	16,740	16,789
001-021	206/277	1,367	4,823	5,985	5,795	7,346	6,198	3,783	517	0				1,424	6,787	10,179	9,714	9,646
001-021	206/278	2,349	4,153	8,636	9,233	13,046	11,051	11,577	11,978	11,114	11,370	11,692	11,509	9,869	8,779	12,069	11,167	9,182
001-022	211/261	2,709	2,780	2,597	2,141	3,779	4,394	4,598	3,945	2,832	2,900	2,839	3,055	2,493	2,592	3,711	4,433	5,132
001-022	211/262	2,105	2,101	1,715	2,532	4,548	4,689	4,912	4,789	4,508	4,548	3,957	3,681	3,696	3,706	4,533	5,046	5,619
001-023	204/060	6,187	6,073	5,287	6,622	7,596	7,459	7,549	7,095	6,902	6,342	6,090	6,145	5,932	6,032	7,648	7,283	7,637
001-024	201/184	7,493	1,952	4,346	9,169	17,535	15,559	13,581	9,329	9,878	8,709	5,922	6,184	5,674	7,613	11,209	12,571	15,497
001-024	201/185	14,985	14,285	14,202	14,478	17,718	17,916	17,536	15,940	14,090	13,109	13,568	11,657	11,310	11,641	15,378	16,476	19,183
001-024	201/186	3,299	3,587	2,839	1,827	7,004	7,596	7,867	5,265	3,979	4,925	2,344	2,400	2,383	2,075	4,543	7,070	8,793
001-024	201/187		1,235	1,240	1,584	3,560	4,992	3,264	1,804	1,911	1,951	2,950	1,734	1,499	1,378	2,205	2,688	3,101
001-025	206/543	9,593	9,756	8,464	9,656	12,261	10,940	11,473	10,476	10,206	6,429	7,038	7,263	8,778	8,962	8,348	11,007	13,669
001-025	206/544	1,630	1,475	1,514	1,844	2,292	1,988	2,072	1,866	861	558	846	985	992	1,355	1,635	860	2,623
001-025	206/545	7,288	8,309	6,840	6,997	8,995	8,439	9,893	8,581	9,866	8,679	9,721	9,956	8,775	8,989	11,325	11,240	11,484
001-026	201/671	1,020	113		1	0							2	1				
001-026	201/672																	
001-026	201/673	457	976	762	3,010	4,289	4,129	3,063	1,522	2,248	2,110	2,269	2,344	2,380	2,099	3,679	3,733	2,243
001-027	205/266	357	299	343	497	606	279	52	46	21	167	351	384	441	557	682	697	785
001-027	205/267	25	22	27	39	50	67	84	75	58	42	31	33	36	48	59	61	69

APPENDIX F MONTHLY ABSTRACTION PER WELL (1994-2000) PHASE 1

Farm No	Well No	Jun98	Jul98	Aug98	Sep98	Oct98	Nov98	Dec98	Jan99	Feb99	Mar99	Apr99	May99	Jun99	Jul99
001-001	211/909	7,663	5,927	5,813	6,055	6,009	4,169	4,105	3,130	3,544	4,843	6,170	8,454	7,952	1,312
001-001	211/910	4,649	3,564	3,334	4,239	5,011	3,223	2,973	2,269	2,952	3,508	4,631	5,669	5,023	820
001-003	205/326	5,208	5,379	5,788	6,223	6,390	3,166	4,836	3,476	3,310	4,326	4,145	5,949	7,024	948
001-003	205/327	13,044	13,786	13,495	12,275	12,201	8,288	10,153	7,966	9,304	12,008	12,512	13,353	12,760	1,700
001-003	205/328	4,943	2,877	164	0										
001-003	205/329														
001-003	205/330	2,520	3,647	3,858	3,556	3,450	2,360	2,204	1,924	2,428	3,396	3,573	1,899	114	
001-004	211/627	5,544	5,269	5,240	4,870	5,042	4,581	5,351	3,749	4,214	5,484	5,713	6,862	6,158	1,007
001-004	211/628	6,411	6,343	5,733	5,039	5,015	4,494	4,801	4,414	5,075	5,223	6,088	7,801	6,883	1,121
001-005	205/319	4,489	4,471	4,083	3,217	3,198	3,372	3,807	3,451	2,892	3,173	3,359	4,595	4,446	737
001-005	205/320	5,504	5,697	5,631	4,576	5,013	4,363	4,243	3,541	3,456	5,103	5,163	6,224	5,827	962
001-005	205/321	5,303	5,330	5,048	4,222	4,639	4,389	3,995	2,953	3,173	4,419	3,693	1,642	578	69
001-005	205/322	3,781	3,837	1,978	287	1,961	3,061	3,218	2,874	1,635	163	872	1,293	1,948	348
001-005	205/324	1,425	1,310	839	533	411	86	9		376	831	735	1,909	1,819	298
001-005	205/325	5,009	4,982	4,310	3,326	2,624	2,089	2,354	1,162	1,310	2,042	3,279	4,681	4,322	710
001-006	211/714	3,053	3,084	2,797	2,700	2,945	2,662	2,592	2,463	1,412	3,847	3,675	3,918	3,136	500
001-006	211/715	4,784	4,695	3,954	3,713	3,657	3,297	3,032	2,723	3,130	3,930	4,948	5,317	4,821	793
001-006	211/716	2,817	2,664	3,037	2,705	2,470	2,279	1,158	90				136	2,094	414
001-007	204/183	4,383	4,529	5,137	3,362	3,941	3,088	1,960	2,380	2,234	2,819	3,373	4,164	3,923	903
001-007	204/952	9,206	8,290	6,996	7,045	8,066	7,420	6,381	5,535	4,678	7,278	9,129	9,946	9,298	2,151
001-008	201/433	3,103	3,186	2,771	2,520	2,430	1,657	1,627	1,507	1,826	2,237	3,242	3,497	3,678	623
001-008	201/434	9,903	9,922	9,861	9,329	9,541	8,247	7,380	6,093	6,022	7,999	9,344	9,838	8,846	1,453
001-009	211/402	4,559	4,909	4,123	3,968	3,165	4,089	3,316	3,539	4,309	4,089	4,945	5,719	6,337	852
001-009	211/403	5,228	5,691	4,811	4,285	3,771	4,595	3,813	3,938	4,610	4,208	5,501	5,917	5,676	756
001-010	211/413	3,557	3,249	3,404	3,105	3,257	3,458	3,652	3,105	2,569	3,228	3,452	3,804	3,339	650
001-010	211/414	3,205	3,140	2,903	2,799	2,931	2,919	3,040	2,654	2,631	3,045	3,153	3,397	3,090	608
001-011	211/813	10													
001-011	211/814	12,324	12,978	13,347	13,488	14,403	12,840	12,397	10,125	8,765	10,487	12,481	14,257	12,415	2,021
001-011	211/908	68	12	3	0			0	0						
001-012	205/290	5,530	5,639	5,061	5,027	4,596	4,159	3,293	2,867	2,366	3,668	4,988	5,608	5,430	905
001-012	205/291	7,156	6,690	5,465	5,509	5,043	4,401	3,247	2,591	2,051	3,385	5,065	6,072	6,188	1,041
001-012	205/293														
001-013	204/141	2,399	2,611	2,989	2,384	2,156	2,137	1,494	1,445	1,232	1,741	2,403	2,825	2,462	555
001-013	204/142	7,215	7,128	5,178	4,657	6,414	6,527	3,993	4,376	4,656	5,870	7,022	7,741	7,169	1,653
001-013	204/143	15,085	16,381	17,468	16,766	17,271	15,118	12,016	10,520	8,366	10,399	13,632	16,091	14,718	3,372
001-013	204/146	4,386	5,367	917	10,080	5,247	4,509	3,580	2,768	2,205	2,788	2,936	3,743	3,481	794
001-013	204/147	8,126	6,559	6,155	3,809	736	33	10					1,869	4,634	1,257

APPENDIX F MONTHLY ABSTRACTION PER WELL (1994-2000) PHASE 1

Farm No	Well No	Jun98	Jul98	Aug98	Sep98	Oct98	Nov98	Dec98	Jan99	Feb99	Mar99	Apr99	May99	Jun99	Jul99
001-013	204/148	5,744	5,287	4,879	4,475	4,366	4,060	3,310	3,543	3,230	4,221	4,489	5,441	5,806	1,384
001-013	204/149	7,632	8,763	8,957	8,428	8,588	7,334	5,595	6,001	4,004	5,581	7,786	9,464	8,150	1,826
001-013	204/150	2,066	2,914	3,252	2,673	1,401	1,404	1,121	160						
001-013	204/151	6,577	6,366	3,338	4,408	11,134	10,808	8,321	7,542	6,396	8,363	11,116	12,450	10,941	2,482
001-015	201/475	1,892	1,121	2,086	2,008	2,302	2,345	2,552	1,343	1,027	1,976	2,459	2,792	2,538	580
001-015	201/476	1,338	785	1,471	1,493	1,597	633	1,125	760	392	910	1,515	1,786	1,474	327
001-015	201/477	200	175	176	172	157	415	589	717	612	827	1,104	1,201	1,057	240
001-016	203/111	838	582	543	914	986	910	1,094	341	350	727	1,008	857	523	104
001-016	203/112	20	3	20	22	19	4	65	14		0	0	6	5	1
001-017	201/229	4,758	4,323	2,583	3,651	4,297	4,051	4,433	3,967	3,908	7,056	4,468	7,076	4,533	864
001-017	201/332	5,377	2,595	2,343	5,746	6,348	6,762	8,603	7,330	7,234	14,594	8,244	11,850	7,886	1,541
001-018	203/185	7,158	7,080	6,242	5,071	5,130	3,561	3,500	2,375	3,892	5,251	6,014	6,833	7,201	1,468
001-018	203/273	9,060	8,655	7,536	6,949	6,746	5,127	4,255	3,789	4,195	5,455	6,996	7,362	7,409	1,501
001-019	204/124	10,584	9,922	9,472	9,507	7,600	8,222	8,399	6,085	6,497	7,652	9,555	11,293	8,134	1,698
001-019	204/125	7,546	8,463	7,503	6,727	4,514	6,136	4,378	4,325	4,085	5,523	8,484	9,637	9,111	2,122
001-019	204/126	7,004	6,930	6,845	6,530	6,361	5,985	5,697	5,149	5,076	6,377	6,894	7,444	6,781	1,553
001-020	201/100	9,019	7,251	7,636	8,149	7,557	7,867	6,575	5,238	5,723	7,847	8,365	8,712	6,963	1,523
001-020	201/101	1,018	834	655	468	418	435	297	154	96	22				
001-021	206/276	15,931	16,966	17,565	15,791	17,324	17,377	17,292	14,630	14,695	15,806	16,293	17,932	16,756	3,318
001-021	206/277	9,541	10,144	10,233	10,284	10,791	10,517	9,546	6,583	8,407	9,277	9,603	11,663	9,903	1,902
001-021	206/278	10,278	12,084	12,640	11,909	12,262	12,736	7,034	4,896	8,807	11,798	11,514	14,654	8,970	1,513
001-022	211/261	4,348	3,920	3,697	3,323	2,988	3,325	3,565	3,448	3,539	3,381	3,309	3,463	3,339	668
001-022	211/262	5,509	5,391	4,748	4,528	4,453	3,914	3,344	2,898	2,730	2,313	2,552	2,602	2,100	401
001-023	204/060	7,437	7,642	7,482	5,465	5,405	4,592	3,756	2,094	1,699	2,506	3,853	4,644	3,982	771
001-024	201/184	16,408	17,666	16,185	14,647	14,590	13,384	12,295	11,206	11,285	14,160	14,586	13,916	13,337	2,671
001-024	201/185	18,716	18,520	18,216	15,735	17,838	16,786	15,323	12,807	12,773	15,084	15,701	16,178	15,553	3,110
001-024	201/186	7,839	4,823	6,680	7,501	3,537	3,078	3,571	2,424	3,517	4,835	6,828	7,456	8,448	1,756
001-024	201/187	3,125	2,463	2,612	1,817	3,024	2,061	1,553	1,235	1,131	1,983	1,730	2,225	2,357	477
001-025	206/543	8,999	9,268	12,635	11,997	14,009	18,370	15,487	12,968	11,057	12,941	14,100	16,303	22,777	4,898
001-025	206/544	2,697	2,736	2,187	856	1,228	791	697	591	1,239	3,068	3,372	4,285	1,656	201
001-025	206/545	12,552	13,850	12,100	11,025	5,964	605								
001-026	201/671														
001-026	201/672														
001-026	201/673	1,873	1,935	1,935	1,873	1,935	1,598	311							
001-027	205/266	757	730	648	332	401	888	642	332	238	268	233	267	66	1
001-027	205/267	66	64	55	32	14	40	35	15	17	25	27	35	37	9

APPENDIX F MONTHLY ABSTRACTION PER WELL (1994-2000) PHASE 1

Farm No	Well No	May_99	Jun_99	Jul_99	Aug_99	Sep_99	Oct_99	Nov_99	Dec_99	Jan_00	Feb_00	Mar_00	Apr_00	Total
001-013	204/149	9,464	8,150	8,574	6,553	6,838	7,809	6,698	5,999	5,701	3,640	3,662	3,558	76,647
001-013	204/150													0
001-013	204/151	12,450	10,941	11,052	10,705	9,994	9,138	2,290	4,418	7,270	6,438	7,894	8,933	101,523
001-015	201/475	2,792	2,538	2,211	2,164	2,545	2,834	2,680	2,568	2,320	2,402	2,870	2,820	30,744
001-015	201/476	1,786	1,474	781	1,204	1,498	1,856	1,405	1,166	1,067	1,325	2,006	2,028	17,597
001-015	201/477	1,201	1,057	697	560	521	657	728	913	1,135	788	1,004	1,158	10,419
001-016	203/111	857	523	423	604	751	868	828	901	952	560	370	210	7,847
001-016	203/112	6	5	3	48	41	15	3	0				0	121
001-017	201/229	7,076	4,533	4,244	3,062	4,379	5,609	4,651	3,167	4,685	3,333	4,157	2,314	51,210
001-017	201/332	11,850	7,886	6,260	4,556	6,927	9,507	7,244	5,852	8,293	6,760	8,069	3,479	86,684
001-018	203/185	6,833	7,201	6,123	6,086	5,597	4,749	4,656	2,893	3,545	4,789	7,220	8,468	68,162
001-018	203/273	7,362	7,409	5,755	5,719	5,120	5,666	5,336	4,600	4,848	4,764	6,483	6,699	69,761
001-019	204/124	11,293	8,134	10,586	9,599	9,629	9,312	7,039	6,692	8,943	7,331	9,605	9,855	108,018
001-019	204/125	9,637	9,111	9,162	9,195	7,812	8,696	6,313	5,914	6,824	4,908	6,854	7,320	91,746
001-019	204/126	7,444	6,781	7,133	6,528	6,055	6,025	5,477	5,200	5,235	4,556	5,562	6,258	72,255
001-020	201/100	8,712	6,963	7,254	6,436	6,792	8,782	8,178	7,404	7,651	6,912	8,721	8,987	92,792
001-020	201/101													0
001-021	206/276	17,932	16,756	19,603	18,019	16,627	2,750		12,630	17,866	16,068	17,541	16,122	171,915
001-021	206/277	11,663	9,903	11,166	10,135	9,047	10,890	10,679	10,671	7,807	8,500	10,178	9,456	120,096
001-021	206/278	14,654	8,970	5,536	16,065	16,962	11,852	10,185	17,336	12,251	15,457	20,734	19,949	169,953
001-022	211/261	3,463	3,339	3,944	3,550	2,575	2,959	3,182	2,793	3,309	3,280	3,694	4,036	40,123
001-022	211/262	2,602	2,100	1,989	2,742	2,155	1,802	1,090	591	654	606	701	1,231	18,263
001-023	204/060	4,644	3,982	4,584	5,868	5,767	6,224	6,195	6,617	5,504	5,509	6,859	6,916	68,670
001-024	201/184	13,916	13,337	14,545	13,802	12,208	12,723	11,590	9,877	9,921	9,654	10,959	12,349	144,880
001-024	201/185	16,178	15,553	13,074	2,987	16,362	16,445	14,851	14,819	15,384	14,522	16,338	17,035	173,548
001-024	201/186	7,456	8,448	12,569	11,092	8,364	9,597	7,157	6,730	7,233	5,934	8,917	8,698	102,195
001-024	201/187	2,225	2,357	2,844	2,443	2,319	2,206	1,998	1,476	1,595	1,803	1,754	2,343	25,360
001-025	206/543	16,303	22,777	23,562	23,465	19,169	18,878	16,348	14,151	16,173	18,190	18,750	15,487	223,254
001-025	206/544	4,285	1,656	1,877	1,536	1,013	1,370	1,553	1,503	1,270	1,130	1,206	4,166	22,566
001-025	206/545													0
001-026	201/671													0
001-026	201/672													0
001-026	201/673													0
001-027	205/266	267	66	23	28	725	1,100	961	360	264	669	1,058	956	6,477
001-027	205/267	35	37	40	40	18	18	17	13	14	15	18	23	289
	Total	404,018	373,384	374,448	354,000	327,529	312,529	272,275	263,320	274,610	263,824	320,122	903,711	3,874,992

APPENDIX F MONTHLY ABSTRACTION PER WELL (1994-2000) PHASE 1

Farm No	Well No	May_99	Jun_99	Jul_99	Aug_99	Sep_99	Oct_99	Nov_99	Dec_99	Jan_00	Feb_00	Mar_00	Apr_00	Total
001-001	211/909	8,454	7,952	8,095	8,550	7,665	6,215	5,112	4,437	4,373	4,342	6,125	6,471	77,792
001-001	211/910	5,669	5,023	4,849	5,266	3,754	5,434	3,382	3,094	2,678	2,584	2,726	4,895	49,354
001-003	205/326	5,949	7,024	1,799	63	0	0	4,028	3,754	231		0	1,733	24,582
001-003	205/327	13,353	12,760	12,890	13,013	10,792	6,227	6,862	6,347	6,083	5,529	7,229	6,284	107,367
001-003	205/328													0
001-003	205/329													0
001-003	205/330	1,899	114							657	1,144	1,761	1,593	7,168
001-004	211/627	6,862	6,158	5,578	5,280	4,814	5,219	4,662	4,571	4,581	4,041	5,781	5,879	63,427
001-004	211/628	7,801	6,883	6,879	6,037	5,216	5,474	5,082	4,843	4,726	4,917	5,775	6,347	69,979
001-005	205/319	4,595	4,446	4,776	4,502	4,407	4,401	4,191	3,216	2,148	845	1,529	1,820	40,877
001-005	205/320	6,224	5,827	5,693	5,312	4,138	526	249	65		2,278	3,389	3,748	37,447
001-005	205/321	1,642	578	69			657	682	440	860	1,002	875	324	7,129
001-005	205/322	1,293	1,948	2,265	994	1,878	2,056	1,333	745	1,357	1,429	1,557	1,708	18,563
001-005	205/324	1,909	1,819	1,248	774	492	373	35		254	549	1,026	1,034	9,513
001-005	205/325	4,681	4,322	4,939	4,407	700	0				194	1,890	3,642	24,776
001-006	211/714	3,918	3,136	3,276	3,645	3,202	3,328	2,985	2,833	2,998	2,874	1,548	121	33,863
001-006	211/715	5,317	4,821	5,015	5,207	4,311	3,888	3,428	3,141	3,291	3,305	4,168	4,886	50,778
001-006	211/716	136	2,094	2,001	1,036	616	319	156	78	31	4	1,893	4,055	12,421
001-007	204/183	4,164	3,923	4,083	3,845	2,260	2,696	2,514	2,173	2,159	2,144	2,698	3,549	36,209
001-007	204/952	9,946	9,298	9,681	8,996	8,023	8,353	7,004	6,155	6,516	6,370	7,372	9,245	96,958
001-008	201/433	3,497	3,678	4,304	4,060	3,141	3,794	3,498	3,498	3,525	3,624	4,597	4,755	45,970
001-008	201/434	9,838	8,846	9,138	9,034	8,282	8,951	8,348	7,791	8,522	7,655	9,362	10,598	106,364
001-009	211/402	5,719	6,337	4,221	5,608	5,162	4,519	4,438	3,614	4,277	4,428	4,451	4,921	57,695
001-009	211/403	5,917	5,676	4,570	5,207	1,472	91							22,933
001-010	211/413	3,804	3,339	3,317	3,499	3,340	3,236	2,832	2,979	3,029	2,812	3,058	3,359	38,604
001-010	211/414	3,397	3,090	3,094	3,188	2,960	3,184	2,538	2,806	3,099	2,774	3,098	3,154	36,381
001-011	211/813													0
001-011	211/814	14,257	12,415	12,915	11,239	8,454	8,333	8,245	6,085	7,083	7,097	9,668	12,205	117,996
001-011	211/908			0	0									0
001-012	205/290	5,608	5,430	5,880	4,809	3,242	805	3,188	1,083	34			7,257	37,337
001-012	205/291	6,072	6,188	6,387	6,539	6,040	7,362	4,766	4,400	6,047	5,617	6,297	616	66,330
001-012	205/293					1	0							1
001-013	204/141	2,825	2,462	2,579	2,556	2,058	2,027	1,982	1,619	1,337	759	146		20,348
001-013	204/142	7,741	7,169	7,733	7,389	6,675	6,887	6,454	4,824	5,322	4,724	4,947	1,739	71,604
001-013	204/143	16,091	14,718	15,711	14,997	14,012	14,441	13,158	11,308	11,238	10,577	12,085	13,136	161,471
001-013	204/146	3,743	3,481	3,910	3,070	2,904	3,789	3,063	2,315	2,193	2,373	2,913	3,676	37,431
001-013	204/147	1,869	4,634	5,848	5,383	5,043	5,206	4,723	4,312	4,081	3,931	4,491	4,873	54,393
001-013	204/148	5,441	5,806	6,088	5,701	4,666	4,398	4,005	3,543	4,168	4,060	4,482	6,457	58,815

APPENDIX F MONTHLY ABSTRACTION PER WELL (1996-2000) PHASE 2

Farm No	Well No	Dec95	Jan96	Feb96	Mar96	Apr96	May96	Jun96	Jul96	Aug96	Sep96	Oct96	Nov96	Dec96	Jan97	Feb97	Mar97
002-001	002/120		2,306	4,179	4,467	4,323	3,422	3,750	4,169	4,394	3,493	1,281	607	1,319	1,540	1,366	1,970
002-001	002/121		1,856	3,588	3,835	3,711	4,655	5,107	5,224	5,384	5,028	4,862	4,312	4,618	4,148	3,832	3,941
002-001	002/122		2,898	5,253	5,615	5,434	6,256	6,713	6,775	6,634	6,703	6,578	5,756	5,978	5,364	4,741	4,860
002-002	201/000	1,621	12,566	11,756	12,566	12,161	18,520	20,999	18,721	18,684	16,670	15,133	11,645	9,534	10,840	13,035	13,793
002-002	201/002	1,787	11,080	10,365	11,080	10,722	15,098	17,181	14,907	14,576	12,595	11,140	8,286	7,395	9,047	9,966	6,185
002-002	201/012	105	648	606	648	627	342	54	1	0	0	0	0	1	0	1	2
002-003	201/001			3,673	8,134	7,871	6,013	4,523	4,945	4,198	4,090	2,409	1,423	3,205	5,630	5,961	6,471
002-003	201/004	726	5,629	5,266	5,629	5,447	7,203	8,632	6,768	3,440	1,955	2,481	2,786	2,923	1,860	1,344	1,106
002-004	201/006	348	10,773	10,078	10,773	10,425	13,052	12,889	12,761	11,745	9,477	8,693	7,114	6,611	6,568	6,733	6,818
002-004	201/007	274	8,490	7,942	8,490	8,216	11,223	11,701	12,031	12,119	9,758	8,611	7,738	7,145	6,355	6,495	6,646
002-004	201/008	269	8,339	7,801	8,339	8,070	9,390	9,147	8,495	8,242	6,905	6,135	5,377	5,173	4,757	5,076	5,512
002-004	201/009	1,491	9,246	8,650	9,246	8,948	10,769	10,782	11,231	11,011	7,813	8,824	9,379	8,197	7,053	7,180	7,049
002-005	201/014		4,055	4,355	4,656	4,506	5,304	5,363	4,759	4,939	3,880	2,882	2,791	2,758	2,465	2,909	3,510
002-006	000/008																
002-006	201/016	245	7,600	7,110	7,600	7,355	9,455	10,061	8,923	9,116	9,058	8,674	6,236	3,964	3,984	4,700	5,043
002-006	201/017	274	8,496	7,948	8,496	8,222	10,555	11,749	11,292	10,970	10,158	10,222	9,300	8,542	7,972	7,816	8,536
002-007	201/043		8,254	8,865	9,477	9,171	11,836	12,943	12,857	10,353	5,564	5,060	5,594	5,552	6,023	6,436	6,442
002-007	201/047		4,189	4,499	4,810	4,654	6,524	7,323	7,415	7,917	8,678	8,968	7,068	6,752	6,952	6,952	6,980
002-007	201/048		3,704	3,978	4,252	4,115	5,555	6,272	6,566	6,553	6,485	6,311	4,320	3,167	3,091	3,252	3,888
002-008	201/060		1,238	1,436	1,535	1,485	9,737	6,699	4,490	4,245	5,376	6,893	6,431	4,783	4,252	4,832	7,701
002-008	201/061		4,722	5,478	5,856	5,667	6,610	6,430	5,437	5,137	4,986	4,983	4,792	3,637	3,803	5,668	6,369
002-009	000/007													5,044	7,405	6,328	5,987
002-009	000/009																
002-009	000/010																
002-009	201/064		11,787	15,537	16,609	16,073	24,899	24,461	27,086	29,282	25,853	25,528	21,197	18,027	17,177	18,428	20,416
002-009	201/065		7,060	8,531	9,120	8,825	16,372	16,935	11,502	8,852	9,856	9,014	3,611	796	169	356	1,535
002-009	201/066		1,538	1,859	1,987	1,923	2,456	2,565	1,254	500	98	2,681	1,787				
002-009	201/067		4,505	5,681	6,072	5,877	10,441	10,381	9,232	8,396	7,683	6,937	3,470	2,176	2,270	2,048	3,211
002-010	201/076	8,007	13,064	12,221	13,064	12,643	13,064	15,613	16,921	16,520	14,506	13,921	12,966	12,268	11,377	10,469	12,064
002-010	201/077	5,798	9,460	8,850	9,460	9,155	9,460	10,693	15,379	14,935	11,686	10,409	9,437	8,209	7,830	8,767	7,356
002-011	201/078	4,324	7,054	6,599	7,054	6,827	7,054	7,425	8,391	7,710	7,417	7,123	6,046	5,845	6,056	5,985	5,960
002-012	201/080	1,613	10,000	9,354	10,000	9,677	14,652	16,476	13,999	13,726	12,377	11,878	10,360	9,120	7,279	6,738	7,691
002-012	201/081	1,002	6,214	5,813	6,214	6,013	7,423	7,767	7,959	7,426	6,453	6,181	5,685	5,323	4,800	4,979	5,642
002-012	201/871		3,002	10,882	11,632	11,257	16,069	17,918	16,843	13,515	11,606	11,036	9,559	8,830	6,897	5,962	6,419
002-013	201/094		7,801	9,049	9,673	9,361	10,420	9,863	10,040	9,864	8,480	7,959	7,442	7,431	7,411	7,677	8,235

APPENDIX F MONTHLY ABSTRACTION PER WELL (1996-2000) PHASE 2

Farm No	Well No	Dec95	Jan96	Feb96	Mar96	Apr96	May96	Jun96	Jul96	Aug96	Sep96	Oct96	Nov96	Dec96	Jan97	Feb97	Mar97
002-014	201/154		4,089	6,976	7,457	7,217	8,956	9,750	10,189	11,382	11,082	10,910	9,733	9,055	8,003	7,841	8,299
002-014	201/155		4,063	4,713	5,038	4,876	7,137	6,954	6,678	5,970	4,552	3,361	2,908	2,837	2,216	2,605	2,468
002-015	201/203		2,902	3,506	3,748	3,627	4,946	5,204	5,354	5,061	4,497	4,224	3,056	2,606	2,489	2,453	2,104
002-015	201/204		743	861	921	891	1,007	887	833	849	800	908	801	1,035	1,200	1,110	987
002-015	201/205		2,140	2,586	2,764	2,675	3,678	3,980	4,249	4,048	3,313	3,040	2,223	1,968	1,822	1,866	2,079
002-015	201/206		1,035	1,251	1,337	1,294	2,057	2,103	1,525	1,432	1,193	1,092	1,356	1,452	1,066	1,044	1,009
002-016	201/252		4,381	5,775	6,173	5,974	6,888	6,809	6,598	6,453	6,125	5,779	4,705	4,210	3,684	3,468	3,838
002-017	201/259		995	1,312	1,402	1,357	2,168	2,789	1,682	834	901	883	801	549	372	698	443
002-017	201/390		1,888	2,489	2,661	2,575	3,280	2,874	3,473	3,828	3,941	3,792	3,233	2,016	1,498	1,439	1,159
002-018	201/306			10,743	12,809	12,396	12,646	12,472	12,276	11,295	10,521	9,058	6,440	5,963	5,918	7,338	8,246
002-019	201/393		2,565	3,234	3,457	3,345	4,333	4,090	4,298	4,256	4,053	4,219	3,972	3,625	2,953	3,175	3,403
002-020	201/394		6,076	7,660	8,189	7,925	9,273	9,343	8,781	8,248	7,535	7,595	6,220	6,078	6,284	6,415	5,683
002-020	201/395		2,646	3,337	3,567	3,452	5,195	6,048	6,468	6,422	5,655	5,566	4,877	4,467	3,923	3,788	3,614
002-021	203/227		2,192	5,778	6,177	5,977	9,559	10,655	10,478	10,201	9,125	8,551	6,917	7,267	7,023	6,589	7,307
002-021	203/228		1,434	2,969	3,174	3,072	4,258	5,315	5,920	5,883	4,840	4,066	3,634	4,189	3,989	3,726	4,037
002-022	203/237		5,280	10,208	10,913	10,561	12,877	13,702	14,326	11,553	10,355	11,285	10,218	9,422	10,061	9,617	10,321
002-023	203/240		2,300	4,765	5,094	4,930	9,107	12,500	12,874	11,283	9,479	7,476	7,164	6,496	5,778	6,371	6,544
002-024	211/181		7,408	10,231	10,936	10,583	13,869	16,318	17,656	17,005	15,311	15,385	12,758	10,863	9,051	8,155	9,051
002-025	211/183		2,741	3,786	4,047	3,916	4,298	4,698	4,814	4,598	4,963	4,823	4,707	3,987	3,612	3,987	3,860
002-026	211/185		3,250	5,890	6,296	6,093	8,817	8,523	7,551	8,006	6,844	5,720	5,942	5,425	5,082	5,721	5,918
002-026	211/187		5,891	10,678	11,414	11,046	14,078	17,384	18,825	17,464	13,626	12,875	11,338	9,128	8,578	9,329	9,599
002-026	211/188		4,954	9,578	10,239	9,908	14,850	17,272	16,158	15,718	12,112	11,253	10,453	8,582	8,198	9,227	9,935
002-027	211/194		6,732	9,761	10,434	10,097	13,135	13,964	13,651	12,921	11,691	12,509	11,557	11,900	11,400	11,132	12,315
002-027	211/195		5,180	7,153	7,646	7,399	11,003	13,966	13,634	12,176	10,279	11,467	10,437	5,320	6,118	6,436	6,758
002-027	211/196		0	0	15,866	26,212	21,201	23,282	26,634	25,073	22,456	22,251	18,437	17,401	16,662	14,047	15,866
002-027	211/197		10,236	14,842	15,865	15,353	18,189	18,670	16,730	5,152		0	0		3,899	3,542	607
002-028	211/166		0	1	1	1	0										
002-028	211/200		9,603	15,471	16,538	16,004	22,044	24,879	13,142	14,170	17,332	14,740	13,418	11,357	11,175	14,356	15,460
002-028	211/201		4,641	7,477	7,992	7,735	10,745	14,493	21,719	21,252	14,463	12,362	9,188	7,906	7,036	6,891	7,049
002-028	211/202		1,289	2,199	2,351	2,275	2,942	3,264	3,499	3,093	837	1	10	5		0	0
002-028	211/203		7,219	12,314	13,164	12,739	17,602	21,364	21,368	20,117	18,222	18,973	15,270	8,522	9,656	11,971	12,142
002-028	211/204		7,329	10,627	11,360	10,994	13,591	17,657	19,303	17,888	14,430	15,341	10,115	6,945	6,760	7,594	8,952
002-028	211/205		6,067	9,774	10,448	10,111	12,445	14,871	16,348	15,716	13,235	12,714	8,845	6,620	6,489	7,338	8,404
002-028	211/206		1,759	2,833	3,029	2,931	3,962	3,437	796	1,941	4,130	4,867	3,746	3,940	3,319	2,712	2,093
002-029	204/256									565	618	757	834	627	205	29	59

APPENDIX F MONTHLY ABSTRACTION PER WELL (1996-2000) PHASE 2

Farm No	Well No	Dec95	Jan96	Feb96	Mar96	Apr96	May96	Jun96	Jul96	Aug96	Sep96	Oct96	Nov96	Dec96	Jan97	Feb97	Mar97
002-029	204/260									2	0	0	0	0	0	0	0
002-029	204/261					3,524	3,100	1,871	1,106	1,109	1,481	1,709	1,510	1,356	1,247	1,185	1,546
002-030	203/441		1	11	12	11	16	20	5								
002-030	203/443		3	86	92	89	62	14	5								
002-031	206/433		160	2,319	2,479	2,399	2,565	2,523	2,176	1,865	1,897	2,779	2,028	709	1,186	666	822
002-031	206/434		14	199	213	206	233	217	174	131	101	156	310	635	583	289	368
002-033	211/008		167	4,854	5,189	5,022	6,973	8,894	6,830	4,027	2,850	3,434	3,098	2,829	2,726	2,397	3,347
002-033	211/009		225	3,258	3,482	3,370	3,405	3,853	4,248	2,608	1,049	1,720	1,751	1,230	497		
002-034	211/000		197	1,907	2,038	1,973	2,220	2,469	2,386	2,343	2,481	2,310	1,843	1,691	1,741	1,746	2,431
002-034	211/001		428	4,142	4,428	4,285	3,289	3,189	3,388	2,834	3,950	3,966	3,857	2,436	1,697	3,313	4,802
002-035	211/819		690	6,674	7,134	6,904	7,725	9,130	10,075	9,469	8,623	9,465	10,032	10,319	9,262	8,085	7,783
002-035	211/820		582	5,623	6,011	5,817	6,751	7,258	6,949	4,829	3,404	5,480	5,848	5,510	4,867	4,700	5,348
002-036	211/420		57	416	444	430	625	934	777	474	718	950	844	979	1,000	793	804
002-036	211/421		248	1,795	1,919	1,857	2,275	2,544	2,359	2,090	1,720	1,515	1,309	1,284	1,275	1,163	1,464
002-037	211/434		144	1,390	1,486	1,438	2,215	2,282	1,768	1,698	1,779	1,660	1,180	1,259	1,464	1,648	1,857
002-038	211/428					5,944	7,059	7,584	10,528	11,023	9,312	9,748	9,235	8,480	7,804	7,867	7,850
002-038	211/429					3,896	4,310	4,263	3,779	3,049	3,052	2,500	1,331	775	310	595	1,381
002-039	211/760		318	1,318	1,409	1,364	2,703	4,500	3,145	1,668	733	0	0	0	0	0	0
002-039	211/761		441	1,827	1,953	1,890	1,936	1,471	2,443	3,722	4,241	3,488	3,680	5,247	4,603	4,197	4,486
002-039	211/763		37	179	192	186	93		445	1,204	1,787	2,312	2,122	1,610	1,413	1,236	1,310
002-040	201/645		3,618	14,988	16,021	15,505	17,927	18,974	17,884	17,643	12,587	7,677	7,791	7,171	5,433	4,966	6,524
002-040	201/646		1,640	7,929	8,475	8,202	5,464	2,312	1,768	1,376	2,996	6,784	7,766	7,544	7,516	7,546	7,807
002-040	201/647		1,561	7,545	8,065	7,805	7,320	6,141	4,864	2,441	1,307	3,719	5,812	7,297	7,339	6,473	5,223
002-040	201/648		1,514	7,319	7,823	7,571	9,052	9,288	7,258	3,721	514	193	28	24	17	4	6
002-040	201/650		890	3,687	3,941	3,814	2,276	921	1,708	2,484	6,433	11,791	13,900	16,060	15,344	13,355	13,419
002-040	201/651		106	771	824	798	746	604	732	1,099	1,192	999	916	852	756	685	787
002-040	201/654		3,995	19,310	20,642	19,976	22,356	23,065	22,989	21,650	14,113	9,243	11,297	13,809	12,270	10,126	12,131
002-040	201/655		0	1	1	1	1	11	20	9	0	0	0	0	0	0	0
002-041	203/307				690	1,217	1,285	1,133	1,030	1,158	1,202	1,128	1,048	1,042	1,077	1,063	1,064
002-042	202/938		787	2,536	2,711	2,624	3,393	4,112	4,266	4,247	3,843	2,516	1,309	938	1,044	1,679	2,009
002-042	202/939		1,410	3,717	3,974	3,846	4,029	3,741	3,636	3,757	3,903	4,173	4,003	3,767	3,470	2,904	2,892
002-042	202/940		557	1,467	1,569	1,518	1,899	2,021	1,775	1,351	1,029	874	636	461	175	150	390
002-043	203/386		453	1,878	2,008	1,943	2,170	1,987	1,697	1,437	1,074	1,007	907	899	983	1,118	1,158
002-043	203/387		127	411	439	425	610	705	617	613	574	468	415	412	352	306	220
002-044	203/388		2,418	7,792	8,330	8,061	8,330	7,266	6,527	5,934	4,499	3,686	3,000	2,892	2,998	3,170	3,462

APPENDIX F MONTHLY ABSTRACTION PER WELL (1996-2000) PHASE 2

Farm No	Well No	Dec95	Jan96	Feb96	Mar96	Apr96	May96	Jun96	Jul96	Aug96	Sep96	Oct96	Nov96	Dec96	Jan97	Feb97	Mar97
002-045	203/390		1,394	5,053	5,401	5,227	5,600	5,230	5,398	5,536	4,695	4,181	3,554	3,806	3,900	3,435	3,483
002-045	203/391		381	1,004	1,073	1,038	1,592	1,292	292	28	161	182	296	259	358	490	424
002-045	203/392		142	374	400	387	426	508	489	450	456	431	286	105	2	1	0
002-045	203/393																
002-046	203/373		910	2,399	2,565	2,482	2,994	2,627	1,939	1,750	1,765	1,785	1,389	1,008	907	1,165	1,409
002-047	203/350		476	3,454	3,692	3,573	7,926	12,062	14,930	13,640	8,686	6,539	6,326	8,596	10,090	9,712	7,665
002-047	203/351		2,047	5,396	5,768	5,582	10,243	13,911	12,985	12,133	10,516	7,215	5,403	5,769	6,658	5,610	4,300
002-048	203/402		2,706	7,133	7,625	7,379	8,333	8,311	8,098	7,766	6,493	5,450	4,266	3,537	3,886	4,303	5,075
002-048	203/403		2,438	6,428	6,871	6,649	7,593	7,430	6,734	6,330	5,504	4,833	3,856	3,786	4,199	4,509	5,070
002-048	203/404		1,828	4,820	5,152	4,986	5,778	4,284	1,710	1,103	1,259	1,667	3,572	4,543	4,200	5,223	5,764
002-049	202/930		764	2,015	2,154	2,084	2,888	2,553	1,162	699	493	431	406	811	1,151	828	614
002-049	202/931		3,155	10,166	10,867	10,516	10,951	10,245	4,860	5,940	6,521	7,630	10,348	8,713	7,374	7,469	8,913
002-049	202/932		1,647	4,342	4,641	4,491	6,604	4,180	3,475	6,506	7,061	6,996	5,977	5,450	4,839	3,313	3,098
002-050	201/741		1,038	3,764	4,024	3,894	4,693	4,721	4,325	3,928	3,215	2,681	2,831	3,141	2,646	2,567	2,859
002-050	201/742		1,100	3,986	4,261	4,124	4,923	3,400	2,208	3,186	4,994	6,304	5,157	3,430	2,531	2,988	4,015
002-050	202/743		2,102	7,619	8,145	7,882	9,723	9,773	9,577	8,747	7,194	6,015	4,531	4,836	4,910	4,617	5,288
002-051	201/824		1,115	4,042	4,321	4,181	4,213	4,030	4,111	4,088	3,721	3,523	3,023	2,581	2,433	2,487	2,462
002-051	201/825		703	2,725	2,913	2,819	1,591	1,183	2,480	3,047	3,140	3,336	3,174	3,141	2,893	2,824	2,600
002-052	204/467			5,255	6,266	6,063	6,569	7,803	9,498	9,025	7,709	7,224	6,417	5,256	4,297	4,266	5,253
002-052	204/468			3,141	3,745	3,624	4,009	4,570	5,117	5,158	4,125	3,665	3,542	3,320	3,183	3,233	3,853
002-053	204/442			1,866	2,066	2,000	1,726	981	1,139	1,119	690	609	481	193	18	53	56
002-053	204/443			5,783	6,895	6,673	7,256	7,951	8,583	7,905	7,258	8,876	7,289	4,789	2,998	3,129	3,924
002-053	204/444			1,341	1,484	1,436	1,523	1,596	1,678	1,282	421	172	214	761	1,552	1,599	1,855
002-053	204/445			213	235	228	1,139	3,322	3,998	3,443	2,225	2,126	1,754	1,537	1,230	1,134	1,229
002-053	204/447			2,192	2,466	2,456	5,393	4,859	3,421	5,401	3,989	4,154	3,612	3,198	2,479	2,192	2,466
002-054	204/419			4,936	5,886	5,696	6,802	7,908	7,193	6,406	5,812	6,181	5,123	4,730	4,100	4,170	4,976
002-054	204/420			4,514	5,382	5,208	5,969	7,201	7,288	6,186	5,441	5,732	4,656	4,194	3,606	3,655	4,259
002-055	205/333			1,587	1,968	1,904	1,333										
002-055	205/336													1,802	3,441	2,791	3,235
002-056	205/255			2,243	2,398	2,321	2,092	1,058	811	1,163	1,313	1,671	1,623	1,538	1,346	1,226	1,357
002-056	205/256			1,730	1,850	1,790	1,642	819	589	944	1,071	1,210	1,042	1,057	825	654	774
002-057	205/216		28	801	856	829	918	929	886	900	855	913	921	926	920	850	968
002-057	205/217		107	3,093	3,306	3,200	3,457	3,295	3,214	3,387	3,132	2,540	2,338	3,163	2,970	2,761	2,976
002-057	205/219			3,394	3,628	3,511	4,058	4,449	4,579	4,660	4,453	4,547	4,421	4,366	4,071	3,661	3,908
002-058	205/206			10,643	11,377	11,010	11,543	7,490	2,528	2,619	6,497	12,465	14,027	13,053	11,590	12,436	12,877

APPENDIX F MONTHLY ABSTRACTION PER WELL (1996-2000) PHASE 2

Farm No	Well No	Dec95	Jan96	Feb96	Mar96	Apr96	May96	Jun96	Jul96	Aug96	Sep96	Oct96	Nov96	Dec96	Jan97	Feb97	Mar97
002-058	205/209			1,632	1,745	1,688	2,107	1,728	815	826	1,560	2,147	679	1,297	2,442	2,556	2,537
002-059	205/174			8,992	11,615	11,240	12,837	14,689	15,468	13,280	10,055	9,297	9,630	11,454	13,096	12,776	13,336
002-059	205/177			2,313	2,868	2,776	4,880	8,998	9,277	8,071	6,391	5,367	2,100				
002-060	205/195			4,185	5,189	5,021	5,663	6,122	5,751	5,458	4,679	4,408	3,839	3,792	4,326	4,063	4,291
002-060	205/196			3,163	3,922	3,795	5,029	6,763	6,461	6,165	5,378	5,059	3,902	2,977	2,295	3,559	4,658
002-061	205/185			5,839	7,240	7,006	8,165	9,597	9,664	10,019	10,242	10,364	9,443	7,880	6,037	6,137	6,811
002-061	205/186			4,078	5,057	4,894	6,306	8,274	7,876	7,755	7,387	7,067	4,993	3,328	4,488	4,240	5,724
002-062	205/201			1,771	1,893	1,832	2,035	2,034	1,840	1,787	1,382	931	445	408	397	359	274
002-062	205/202			2,611	2,791	2,701	3,071	3,300	3,171	3,185	2,964	2,867	2,238	2,076	2,059	1,987	2,249
002-063	205/226			3,863	4,277	4,139	4,256	4,003	3,651	3,213	2,981	2,842	2,596	2,603	2,673	2,302	3,046
002-063	205/229					2,574	4,065	3,919	3,772	3,741	3,423	2,922	2,567	2,426	2,650	2,290	3,080
002-064	205/198			871	1,125	1,089	1,445	2,113	2,190	2,066	1,926	1,829	1,504	1,190	1,012	808	849
002-064	205/199			5,091	7,174	6,942	9,135	12,327	12,214	12,012	10,580	9,930	7,534	7,268	6,737	6,361	6,429
002-065	211/645			2,537	3,575	3,460	6,219	9,311	6,136	5,637	4,895	4,686	4,514	4,186	3,562	3,288	3,942
002-065	211/646			88	118	114	120	119	131	121	57	38	17	10	7	0	1
002-066	002/052				1,179	1,861	2,352	3,610	2,684	2,634	1,533	1,243	1,378	1,373	1,096	542	417
002-066	002/053				3,887	5,830	7,195	7,589	6,609	4,751	6,661	5,428	2,271		257	942	0
002-066	002/054				495	781	2,142	2,915	2,831	2,167	0			0	86	853	2,811
002-066	002/055				613	968	917	783	962	1,726	2,683	2,919	2,694	2,151	895	790	673
002-066	002/056				1,925	3,040	3,136	3,261	3,811	3,988	3,312	3,556	3,543	3,456	3,254	3,052	3,559
002-066	002/057				2,393	3,590	4,215	4,570	4,895	4,790	4,400	4,658	4,255	3,732	3,815	3,212	3,665
002-066	002/060				1,825	2,737	3,297	3,400	3,360	3,263	2,724	2,927	2,873	2,916	2,924	2,699	3,067
002-066	002/061				3,597	5,396	6,423	6,672	6,729	6,543	5,558	6,149	5,802	6,026	6,254	5,612	6,398
002-067	206/491			2,244	4,969	4,809	5,559	5,544	5,402	5,429	5,218	4,832	4,039	3,845	3,732	3,504	4,397
002-068	211/625			1,336	2,436	2,358	2,689	2,771	2,821	2,687	2,211	2,310	2,037	2,072	1,946	1,467	1,502
002-068	211/626			3,478	6,342	6,137	6,714	6,685	6,713	6,279	5,063	5,292	4,552	4,813	4,333	2,639	2,248
002-069	211/784			6,880	8,886	8,600	8,843	10,881	14,202	12,489	10,534	8,806	6,940	6,254	5,466	5,810	6,711
002-069	211/785			1,197	1,547	1,497	1,709	2,535	2,681	2,499	2,059	1,663	1,179	1,066	1,080	1,159	1,307
002-069	211/786			3,337	4,498	4,353	4,890	8,136	9,954	8,398	7,084	6,222	5,177	4,448	3,725	4,126	4,820
002-069	211/787			542	730	707	642	185	190	153	129	112	67	29	74	68	83
002-070	000/003			8,433	11,366	10,999	11,563	12,187	12,547	12,289	11,003	9,772	8,955	9,055	7,779	6,533	7,946
002-070	211/780			9,921	13,372	12,940	13,819	15,634	16,062	15,769	15,056	14,497	10,714	8,413	6,719	6,937	9,823
002-071	211/775			3,043	4,492	4,347	5,162	6,731	4,331	4,004	3,619	3,944	3,854	4,140	4,473	4,184	5,604
002-071	211/776			3,392	5,007	4,845	5,307	5,001	4,929	5,165	5,210	6,649	5,195	4,562	4,779	4,516	5,290
002-072	211/772			9,609	13,540	13,103	17,413	17,876	17,262	16,559	11,448	12,267	12,609	14,706	17,052	13,028	12,606

APPENDIX F MONTHLY ABSTRACTION PER WELL (1996-2000) PHASE 2

Farm No	Well No	Dec95	Jan96	Feb96	Mar96	Apr96	May96	Jun96	Jul96	Aug96	Sep96	Oct96	Nov96	Dec96	Jan97	Feb97	Mar97
002-072	211/773			8,395	12,392	11,992	15,859	17,086	16,878	15,798	13,776	13,567	10,537	10,869	14,263	9,096	9,703
002-073	211/800			4,381	6,173	5,974	8,913	10,265	10,701	8,856	4,237	4,195	3,654	3,173	2,479	2,361	3,050
002-073	211/801			5,095	7,179	6,947	10,309	11,124	9,595	7,905	6,589	5,952	5,101	4,534	3,234	2,842	4,148
002-074	211/912			1,457	4,105	3,973	4,186	4,043	4,009	3,815	3,455	2,460	1,695	1,603	1,536	1,646	2,250
002-074	211/913				2,132	952	813	908	1,794	2,664	1,529	5,608	3,506	3,029	2,849	2,145	2,132
002-074	211/914			1,895	4,896	4,738	7,013	7,745	7,490	7,185	5,427	6,689	5,078	4,025	4,250	4,563	4,423
002-075	211/700			1,968	3,588	3,472	4,579	4,681	4,041	3,836	4,188	4,190	3,473	3,259	2,915	3,613	4,267
002-075	211/701			5,401	10,465	10,127	9,070	8,027	7,667	6,141	6,067	8,744	7,539	6,113	6,182	7,641	9,256
002-075	211/704			1	1	1	1	0									
002-076	211/720			2,608	4,755	4,602	4,764	4,485	4,435	4,522	4,321	4,143	3,967	3,864	3,761	3,620	4,293
002-076	211/722			1,067	2,066	2,000	2,138	1,880	1,829	2,455	2,355	2,278	2,154	2,075	1,973	1,828	2,144
002-076	211/723			.166	303	293	1,626	2,227	2,218	2,232	2,125	2,142	2,015	1,952	1,903	1,804	2,098
002-076	211/724			2,416	4,405	4,263	3,693	3,328	3,525	3,201	3,175	3,666	3,782	4,124	4,554	4,194	4,635
002-076	211/725			1,367	2,493	2,413	2,520	2,458	2,573	2,613	2,446	2,417	2,345	2,354	2,310	2,180	2,603
002-077	211/726			1,210	2,500	2,420	1,928	1,437	1,052	609	342	143	29	162	745	1,197	769
002-077	211/727			1,770	3,659	3,541	1,534	99	1,277	3,336	3,341	2,355				727	3,825
002-078	211/452			2,597	5,032	4,870	4,275	3,633	3,782	3,587	3,214	3,209	3,020	3,185	3,438	3,523	4,369
002-078	211/453			998	1,933	1,871	2,356	2,620	2,774	2,516	2,117	1,903	1,818	1,571	1,367	1,752	2,567
002-079	211/732			2,358	3,847	3,723	3,868	3,210	1,826	579	353	1,726	1,499	603	2,637	2,367	2,627
002-079	211/733			6,574	10,726	10,380	11,796	12,000	12,106	10,862	8,616	9,207	9,186	8,479	7,945	8,067	8,438
002-079	211/734			265	457	442	6,151	9,181	9,763	9,517	8,810	8,707	8,349	8,559	8,787	6,346	7,052
002-079	211/735			344	592	573	3,427	4,485	4,046	4,126	4,108	4,175	4,034	3,988	3,752	3,014	2,820
002-079	211/736			7,021	12,092	11,702	8,840	6,577	6,161	5,732	5,609	6,187	5,805	5,047	3,644	6,439	6,592
002-079	211/737			1,865	3,213	3,109	3,571	3,623	3,598	2,790	1,045	2,176	1,985	1,146	972	486	996
002-079	211/738			40	69	66	62	58	50	31	34	39	76	33	8	7	3
002-080	211/706			3,881	5,730	5,545	6,087	4,299	3,916	9,002	6,904	6,398	5,669	5,447	4,342	3,391	4,835
002-080	211/707			4,416	6,519	6,308	7,674	8,221	9,422	10,550	9,623	9,545	8,472	7,431	6,299	5,818	6,332
002-081	211/742			3,822	7,898	7,644	8,910	8,878	8,429	7,765	6,883	6,756	6,289	6,259	6,045	5,449	6,151
002-081	211/743			2,590	5,352	5,179	6,757	6,873	6,201	5,817	5,400	5,106	4,389	4,300	4,215	3,961	4,567
002-082	211/740			6,316	13,054	12,633	15,912	16,303	15,706	15,098	12,841	10,711	8,686	16,098	11,035	8,824	9,175
002-083	211/881			79	2,442	2,363	1,808	1,413	3,490	2,410	2,370	2,135	1,741	1,043	745	653	581
002-083	211/883			45	1,408	1,363	1,408	1,847	2,626	1,714	1,710	1,495	1,305	759	543	472	415
002-083	211/884			26	795	770	795	1,081	1,542	999	977	833	307	453	310	274	245
002-083	211/886			84	2,597	2,513	2,597	4,015	5,435	5,055	2,893	3,297	2,622	2,837	2,009	2,029	1,899
002-083	211/887			58	1,793	1,735	1,793	2,622	3,999	3,539	2,281	2,557	1,646	1,556	1,378	1,351	1,841

APPENDIX F MONTHLY ABSTRACTION PER WELL (1996-2000) PHASE 2

Farm No	Well No	Dec95	Jan96	Feb96	Mar96	Apr96	May96	Jun96	Jul96	Aug96	Sep96	Oct96	Nov96	Dec96	Jan97	Feb97	Mar97
002-084	211/874			7,611	11,235	10,873	15,725	17,467	17,397	17,820	16,707	12,518	8,555	7,370	6,892	4,900	8,574
002-084	211/875			7,038	11,482	11,112	10,141	8,744	7,865	6,554	4,393	6,074	8,502	6,162	11,027	6,770	6,447
002-084	211/876			6,395	10,434	10,098	14,560	16,680	16,630	15,310	13,951	12,784	8,064	8,151	10,299	10,465	12,768
002-084	211/877			5,285	8,624	8,345	7,582	6,480	6,163	5,910	6,013	6,154	6,259	6,242	3,400	1	816
002-086	211/895			3,490	7,727	7,478	9,764	10,379	9,213	9,556	9,174	7,793	7,194	7,038	6,708	6,309	7,385
002-086	211/896			2,403	5,321	5,149	6,932	8,107	8,823	8,365	7,518	7,315	5,451	4,026	2,768	3,586	4,288
002-087	211/749				2,590	4,317	5,123	5,389	5,320	4,824	3,679	4,255	3,626	2,879	3,063	2,929	3,273
002-088	000/005			3,511	9,895	9,576	10,850	10,991	11,184	10,319	7,251	8,055	7,602	6,989	5,948	5,387	5,511
002-088	211/599			4,343	12,240	11,845	13,646	14,287	15,085	13,678	8,853	13,722	8,366	7,860	7,146	6,209	7,453
002-088	211/600			161	453	439	503	508	477	456	327	512	538	531	383	266	304
002-089	211/579			2,357	9,132	8,838	11,164	11,645	9,335	8,494	8,456	8,767	7,211	5,537	4,973	6,006	6,854
002-089	211/581					6	181	247	560	1,853	2,113	4,272	4,508	5,697	3,960	2,533	3,978
002-089	211/582			2,176	8,432	8,160	10,512	11,338	10,254	9,351	8,308	7,686	5,855	4,961	3,448	2,752	1,675
002-089	211/583			2,117	8,204	7,939	9,569	9,594	7,216	6,720	6,227	7,242	6,165	5,600	4,453	3,851	6,209
002-089	211/584			360	1,593	1,541	4,699	6,994	8,075	7,087	6,671	8,999	7,636	6,416	5,348	4,279	4,784
002-090	211/601			2,878	8,921	8,633	3,758	23	2	1,018	5,436	2,253	396	5,033	6,699	6,691	6,873
002-090	211/602			312	968	936	11,595	18,701	19,645	18,684	11,029	7,279	3,327	2,446	2,073	1,826	2,160
002-090	211/603			7,062	21,893	21,187	25,204	26,687	25,708	21,553	26,536	29,131	24,776	23,017	18,635	13,902	16,949
002-091	211/609			1,960	7,593	7,348	6,816	6,052	7,862	8,385	6,017	7,254	6,908	5,501	4,140	3,102	4,054
002-091	211/612			1,389	4,307	4,168	4,197	3,507	3,464	2,624	2,660	1,701	2,136	1,695	806	778	1,792
002-091	211/613			2,306	7,148	6,918	7,679	10,101	9,375	8,244	6,969	7,225	4,666	5,476	3,923	4,579	4,049
002-092	211/575			4,232	10,933	10,580	11,447	13,471	12,648	10,875	8,482	9,464	8,451	5,391	5,123	5,346	6,086
002-092	211/576			2,673	8,287	8,020	8,637	9,685	7,697	5,851	3,851	3,208	2,592	5,122	5,694	5,342	7,950
002-092	211/577			5,732	14,808	14,330	15,628	18,307	15,144	14,311	6,345	66	0				
002-092	211/578			2,753	7,111	6,881	8,112	12,083	8,202	5,623	6,789	9,663	9,506	9,769	8,038	7,321	7,396
002-093	211/604			1,953	8,650	8,371	10,548	18,640	13,544	13,220	10,175	9,461	7,577	6,498	6,339	6,421	7,047
002-094	211/666			1,351	5,235	5,066	3,906	2,566	1,436	553	4,181	4,609	3,367	3,122	4,533	4,134	4,332
002-095	211/650			741	11,483	11,113	11,765	11,343	9,681	6,005	7,158	7,570	6,755	5,846	4,722	4,896	5,076
002-095	211/651			850	8,787	8,503	9,881	10,346	10,293	9,883	9,013	9,224	7,960	7,132	5,308	5,792	5,904
002-096	206/388			1,024	15,865	15,353	19,121	21,151	21,239	18,228	15,775	16,332	10,560	8,547	9,739	10,597	14,475
002-096	206/413			843	13,072	12,650	15,375	16,547	16,483	16,058	13,785	14,330	9,381	7,783	9,094	10,362	10,652
002-097	000/001			506	7,848	7,594	8,632	8,810	8,411	7,782	6,118	6,424	5,677	6,245	6,425	6,188	6,715
002-097	206/401			16	246	238	268	263	221	264	603	650	514	324	168	68	204
002-098	206/381			760	7,858	7,605	8,988	9,801	10,572	9,617	8,535	8,196	7,476	6,744	6,710	6,237	7,502
002-098	206/382			678	7,003	6,777	9,115	10,867	12,096	10,774	10,129	12,980	10,292	9,211	9,099	8,374	9,299

APPENDIX F MONTHLY ABSTRACTION PER WELL (1996-2000) PHASE 2

Farm No	Well No	Dec95	Jan96	Feb96	Mar96	Apr96	May96	Jun96	Jul96	Aug96	Sep96	Oct96	Nov96	Dec96	Jan97	Feb97	Mar97
002-098	206/383			880	9,092	8,798	10,493	11,245	11,407	10,741	8,641	6,711	5,522	5,280	5,794	5,787	7,259
002-099	206/377			1,216	9,421	9,117	9,679	9,111	7,666	6,939	5,937	5,378	4,721	3,045	3,641	4,867	4,880
002-099	206/378			905	7,016	6,790	8,304	8,936	8,551	7,757	7,739	6,828	6,130	4,471	4,116	4,144	4,606
002-099	206/406			541	4,191	4,056	4,654	4,854	5,055	5,257	4,080	4,342	4,560	3,774	3,584	3,738	3,338
002-100	211/677			547	5,650	5,468	6,080	5,689	4,609	6,386	5,041	3,980	3,592	2,741	1,906	2,330	2,581
002-100	211/678			803	8,302	8,035	8,911	8,748	7,886	7,933	6,240	5,471	5,323	3,649	2,802	3,120	3,352
002-100	211/679			1,294	10,029	9,705	12,178	13,829	15,417	14,802	9,988	8,472	5,050	4,684	1,847	2,067	2,657
002-100	211/680			1,454	11,272	10,909	13,352	15,012	16,749	15,480	11,786	11,135	8,608	6,474	3,539	3,993	3,966
002-100	211/681			1,149	8,907	8,619	12,190	14,566	15,466	14,758	11,614	9,944	7,417	4,324	3,357	5,259	6,587
002-101	204/206			322	1,994	1,930	9,231	18,871	9,615	8,082	6,719	7,352	4,345	1,738	5,861	9,227	6,008
002-102	204/200			1,130	7,004	6,778	7,152	7,594	7,951	7,287	6,434	5,975	6,200	6,279	4,592	5,690	5,979
002-103	201/680			301	1,867	1,807	2,105	3,063	2,312	1,839	1,452	1,420	1,142	899	740	734	700
002-104	201/657			2,469	15,306	14,813	16,948	19,396	19,277	10,572	12,815	17,152	15,566	10,901	5,831	6,180	6,622
002-104	201/658			714	4,428	4,285	5,048	6,063	6,149	2,373	2,933	3,395	3,542	2,623	1,037	1,198	2,074
002-104	201/659			127	562	544	954	1,364	108	19	0	0	0	0	0	0	
002-104	201/660			2,119	9,385	9,082	10,257	11,151	9,501	6,583	6,058	8,598	6,994	4,770	3,476	3,716	4,215
002-105	211/500			63	277	268	693	1,259	986	1,662	716	452	753	328	354	238	633
002-105	211/501			524	2,319	2,244	2,818	3,555	3,588	3,905	3,520	3,646	2,622	1,891	1,626	1,476	510
002-105	211/502			341	2,113	2,045	1,932	1,614	2,083	2,378	1,193	135	150	75	3	15	18
002-106	000/004				572	592	611	513		0	0	0	35	288	955	2,067	1,382
002-106	201/720				7,508	7,266	8,292	9,673	8,635	8,798	7,560	6,162	7,243	4,982	3,808	4,013	5,697
002-106	201/721				3,632	3,515	4,121	5,027	4,454	4,649	3,478	4,246	3,565	2,402	1,811	1,773	2,461
002-106	201/723				5,140	4,974	5,585	6,474	6,946	7,870	6,797	7,242	6,918	6,263	5,680	3,807	5,275
002-106	201/725				4,992	4,831	6,113	7,952	4,164	4,619	3,313	1,624	3,227	4,187	3,752	4,237	5,301
002-106	201/726				6,279	6,077	6,553	6,883	6,350	5,868	4,700	4,559	3,499	2,837	2,990	2,966	2,908
002-107	000/002				3,747	3,876	4,012	3,898	4,028	4,245	3,995	4,194	3,875	3,253	3,293	3,127	3,509
002-108	201/677				12,274	12,697	13,685	14,537	14,708	13,519	10,741	11,709	9,879	8,817	9,161	8,315	8,929
002-108	201/678				8,372	8,660	9,572	10,741	11,103	10,153	7,074	6,830	4,228	1,768	1,504	3,011	4,352
002-108	201/679				211	219	579	1,236	202	0	0	0	0		0	0	
002-109	206/360				4,239	4,710	4,915	4,862	4,983	5,229	4,665	5,067	3,975	4,206	3,785	2,248	2,456
002-110	201/697				214	229	182	47	48	61	227	46	64	64	34	35	43
002-110	201/698				7,082	7,587	10,725	17,127	15,522	17,216	17,430	16,705	6,988	6,406	5,034	6,300	6,095
002-110	201/699				10,897	11,676	11,633	10,285	12,084	9,680	9	1,285	10,446	10,650	9,471	9,795	8,739
002-111	000/006													1,634	4,146	4,002	3,985
002-111	206/363				2,189	2,986	3,039	2,839	3,130	2,919	2,959	2,723	2,307	2,040	386		

APPENDIX F MONTHLY ABSTRACTION PER WELL (1996-2000) PHASE 2

Farm No	Well No	Dec95	Jan96	Feb96	Mar96	Apr96	May96	Jun96	Jul96	Aug96	Sep96	Oct96	Nov96	Dec96	Jan97	Feb97	Mar97
002-111	206/364				4,367	5,954	6,329	6,821	6,630	5,865	5,717	5,101	3,059	1,306	121	1	41
002-111	206/375				213	291	344	493	116	0	1				0	0	0
002-112	206/361				5,840	8,342	9,134	10,766	10,172	10,459	10,512	10,601	6,754	5,556	4,877	4,312	4,585
002-112	206/362				7,263	10,375	11,193	11,935	12,254	12,528	12,295	12,558	7,901	6,328	5,437	4,786	5,213
002-112	206/373				6,580	9,401	9,978	10,222	10,152	9,661	10,862	7,431	8,228	5,078	4,416	5,372	4,154
002-112	206/374				5,112	7,303	8,192	9,346	8,910	8,593	10,656	10,351	7,460	4,913	4,573	5,052	3,973
002-113	204/713				1	2	1										
002-113	204/719				13,728	15,840	17,122	19,517	17,447	16,946	14,075	14,193	11,602	9,472	7,875	8,264	10,667
002-113	204/721				13,916	16,057	17,255	19,317	18,305	16,948	14,466	13,989	12,242	10,243	7,131	10,320	10,080
002-113	204/722				1,762	1,958	1,684	256	126	106	208	104	1,213	6,451	4,681	7,864	7,912
002-114	204/728				4,320	4,984	5,162	5,030	4,854	3,988	3,129	1,628	1,539	1,472	1,578	1,583	1,092
002-114	204/729				4,786	5,318	5,598	5,852	6,624	5,516	3,913	2,840	2,574	2,359	2,115	2,189	2,174
002-114	204/730				2,983	3,315	3,615	4,272	4,666	3,921	2,660	2,133	1,828	1,588	1,440	1,631	1,368
002-114	204/732				3,444	3,974	4,094	3,902	3,763	4,274	2,955	2,736	3,180	3,642	3,887	3,431	2,858
002-115	204/752				1,758	2,930	2,985	2,716	2,765	2,093	2,066	1,533	1,595	1,676	1,342	1,659	1,625

APPENDIX F MONTHLY ABSTRACTION PER WELL (1996-2000) PHASE 2

Farm No	Well No	Apr97	May97	Jun97	Jul97	Aug97	Sep97	Oct97	Nov97	Dec97	Jan98	Feb98	Mar98	Apr98	May98	Jun98	Jul98
002-001	002/120	1,354	4,329	6,874	7,908	8,145	7,615	4,041	712				1,521	1,817	3,169	5,633	7,908
002-001	002/121	4,023	4,414	3,791	2,920	2,661	3,637	4,820	5,020	4,693	3,877	4,507	5,134	4,867	6,094	5,953	6,652
002-001	002/122	4,820	5,960	7,173	6,677	6,298	6,299	5,319	4,274	5,061	4,723	4,975	5,627	5,247	6,422	7,002	7,298
002-002	201/000	15,360	20,990	20,481	19,002	18,201	17,349	17,611	13,172	12,402	11,848	11,502	15,959	17,939	20,995	18,637	17,264
002-002	201/002	7,880	9,831	6,842	4,525	5,516	7,048	7,199	5,281	5,878	6,361	5,025	8,521	10,263	13,686	11,396	7,759
002-002	201/012	1	0			1	1	1				1	0				
002-003	201/001	6,939	7,697	6,681	6,583	7,181	7,532	7,249	5,441	5,009	5,442	5,720	7,165	6,772	6,062	4,671	3,216
002-003	201/004	795	1,096	1,047	1,121	1,328	1,648	2,040	2,033	1,866	2,779	2,715	3,485	2,827	2,277	2,047	1,389
002-004	201/006	8,195	11,651	11,788	11,823	11,190	10,044	8,348	5,792	5,990	5,429	5,236	7,342	8,753	10,112	9,374	9,658
002-004	201/007	8,361	11,477	10,897	10,939	9,675	7,481	5,878	4,069	4,614	4,595	4,584	6,937	8,169	9,572	9,654	10,074
002-004	201/008	6,863	9,726	9,074	8,427	7,545	6,788	5,381	3,659	3,962	3,741	3,784	5,776	6,659	7,766	7,924	7,701
002-004	201/009	8,040	10,832	11,486	12,490	11,230	9,913	7,993	4,833	5,198	5,162	5,263	8,864	11,189	13,774	14,565	14,406
002-005	201/014	3,855	5,010	5,666	5,459	5,110	4,798	4,598	4,113	4,037	3,774	3,389	4,691	5,060	5,252	5,283	5,803
002-006	000/008																
002-006	201/016	5,686	5,107	4,848	3,481	5,571	6,776	6,545	5,764	5,746	5,406	5,437	7,071	7,525	7,893	7,128	6,622
002-006	201/017	9,951	11,969	11,274	11,204	11,163	9,226	8,010	6,386	5,517	5,097	5,678	7,176	6,711	7,501	6,724	6,098
002-007	201/043	7,565	10,867	11,843	12,186	12,471	11,801	10,559	9,207	9,752	10,046	9,851	13,007	14,237	16,335	15,857	15,603
002-007	201/047	7,069	9,672	10,207	10,036	9,884	10,527	10,463	7,996	7,139	6,921	6,401	8,626	10,207	10,416	8,597	8,782
002-007	201/048	3,185	3,969	4,160	4,077	4,514	3,549	4,571	4,398	3,070	2,922	3,419	5,573	6,325	6,232	5,228	3,962
002-008	201/060	12,830	13,191	16,485	17,411	15,070	11,881	9,801	6,895	4,346	3,818	3,354	3,929	3,950	2,914	1,689	1,224
002-008	201/061	6,794	4,771	6,041	9,617	9,401	7,499	6,124	4,037	2,989	2,590	2,125	3,131	3,878	3,287	1,808	772
002-009	000/007	7,283	11,030	12,851	16,828	13,280	8,371	8,380	6,474	6,110	6,748	6,403	7,126	8,270	11,043	11,427	11,051
002-009	000/009	2,312	3,431	2,476	4,343	5,064	4,071	3,658	2,752	2,733	2,919	2,561	3,048	3,353	4,421	4,334	4,619
002-009	000/010																
002-009	201/064	22,437	28,448	27,319	28,958	26,024	24,339	24,472	19,034	16,465	14,732	14,034	20,391	21,548	25,846	25,362	23,592
002-009	201/065																
002-009	201/066																
002-009	201/067	4,111	9,019	10,023	5,377	3,077	2,307	687	3	1							2
002-010	201/076	12,478	16,155	16,096	15,652	14,451	12,731	11,919	9,671	9,138	9,115	8,811	11,058	11,353	13,111	12,726	11,873
002-010	201/077	6,825	11,920	12,510	16,222	12,945	12,198	7,674	5,841	4,398	4,061	5,781	8,816	11,005	12,502	12,176	10,656
002-011	201/078	7,523	11,090	10,957	10,857	11,042	9,817	7,887	5,906	6,980	6,667	5,585	9,745	11,509	12,737	11,203	10,120
002-012	201/080	9,973	15,584	16,337	15,883	13,146	11,816	11,232	11,295	13,125	11,522	10,691	13,308	12,945	13,993	13,860	15,089
002-012	201/081	5,807	7,105	6,951	7,180	6,410	6,416	6,531	5,416	5,328	5,567	6,153	7,234	7,344	7,661	7,962	8,298
002-012	201/871	8,432	13,932	15,497	15,318	14,333	12,618	10,961	9,759	12,582	11,210	9,714	13,688	13,601	14,011	13,810	14,960
002-013	201/094	8,824	11,213	10,640	9,542	8,240	7,137	6,852	6,355	6,547	5,976	5,852	7,635	8,076	7,588	8,305	7,992

APPENDIX F MONTHLY ABSTRACTION PER WELL (1996-2000) PHASE 2

Farm No	Well No	Apr97	May97	Jun97	Jul97	Aug97	Sep97	Oct97	Nov97	Dec97	Jan98	Feb98	Mar98	Apr98	May98	Jun98	Jul98
002-014	201/154	8,551	10,184	7,875	7,979	8,572	8,251	8,116	7,299	6,816	6,187	4,242	5,967	6,222	7,206	6,000	5,770
002-014	201/155	2,249	4,533	5,693	3,822	3,309	5,053	5,343	4,019	3,317	3,297	3,541	4,036	4,160	5,311	5,230	4,536
002-015	201/203	2,635	4,556	4,923	5,055	5,169	4,613	4,193	3,220	3,147	2,834	2,715	3,985	4,335	5,011	4,498	4,349
002-015	201/204	1,376	1,933	1,877	1,657	1,424	1,200	1,109	972	1,490	1,799	1,942	2,757	3,071	3,848	3,560	3,295
002-015	201/205	2,380	3,521	3,751	3,736	3,397	3,026	3,204	2,766	2,214	1,794	1,997	2,633	3,536	4,792	4,919	4,709
002-015	201/206	1,270	2,174	1,846	1,411	1,226	1,311	1,070	619	944	778	874	1,569	1,936	2,331	1,897	1,761
002-016	201/252	4,590	6,573	7,038	7,423	6,928	6,070	5,428	3,252	2,347	2,238	2,253	3,111	3,369	3,192	2,046	1,583
002-017	201/259	443	307	26	152	602	254					4	2		0	0	
002-017	201/390	1,357	3,252	3,759	3,354	1,541	249	4				6	3				
002-018	201/306	7,891	10,485	8,209	9,830	8,795	8,039	6,589	4,951	4,743	4,362	3,940	5,081	2,543	1,445	1,904	1,601
002-019	201/393	3,365	4,259	4,691	5,014	5,205	4,981	4,616	3,594	3,436	3,778	3,806	4,232	4,293	4,340	3,845	4,119
002-020	201/394	6,385	9,745	9,669	9,124	8,746	8,705	8,038	6,063	6,309	6,157	6,184	7,628	7,931	8,095	7,481	9,160
002-020	201/395	3,951	5,162	5,274	4,898	4,341	3,931	3,087	2,287	2,931	2,820	3,174	4,413	4,721	5,617	5,431	5,209
002-021	203/227	7,861	10,181	10,415	10,646	9,468	8,778	7,302	6,227	2,631	584	4,524	7,785	8,835	10,934	10,508	9,678
002-021	203/228	4,079	5,855	6,217	6,727	6,141	5,482	4,141	3,740	3,886	2,696	580	1,665	4,486	7,079	6,251	5,448
002-022	203/237	12,407	15,874	15,043	13,820	11,808	10,670	9,113	6,677	6,352	5,432	6,308	11,582	13,486	16,674	17,161	14,818
002-023	203/240	7,301	11,926	12,599	11,686	12,281	11,683	11,182	9,474	9,125	10,385	10,167	12,543	12,558	13,197	11,601	10,355
002-024	211/181	9,601	13,297	15,602	15,797	15,425	14,442	14,268	9,487	8,088	7,418	7,334	10,192	11,735	14,798	14,967	15,646
002-025	211/183	5,130	6,989	7,533	7,235	6,880	6,085	4,634	3,772	3,984	3,350	3,340	4,974	6,093	7,312	6,503	6,100
002-026	211/185	6,579	9,092	9,795	7,746	7,841	8,012	7,967	7,130	6,360	6,178	6,054	7,745	9,325	10,133	11,506	12,337
002-026	211/187	10,800	14,343	16,536	17,091	15,965	13,501	11,719	9,394	8,789	8,541	8,151	10,305	9,790	13,518	15,033	15,523
002-026	211/188	11,121	11,652	19,607	19,899	17,301	14,320	12,718	10,361	9,922	9,844	9,518	12,450	14,392	17,124	18,054	18,685
002-027	211/194	13,846	17,506	18,328	19,226	19,297	18,491	14,422	12,175	12,570	12,091	12,237	16,098	17,690	17,641	16,647	17,701
002-027	211/195	8,012	10,067	9,330	9,538	9,865	9,214	7,222	6,194	6,112	6,118	6,436	8,314	9,332	9,433	8,909	9,203
002-027	211/196	18,423	21,201	23,282	26,634	25,073	22,456	22,251	15,061	18,393	18,467	18,241	24,000	26,212	21,201	23,282	26,634
002-027	211/197		9,753	18,765	14,451	8,822	2,172			5	2						0
002-028	211/166									8	4						
002-028	211/200	15,095	22,911	24,486	25,406	25,017	20,905	18,455	10,480	8,752	9,649	11,878	17,952	19,800	21,675	23,029	21,872
002-028	211/201	8,839	12,761	13,066	12,966	8,793	8,477	11,371	7,903	6,896	6,678	8,962	13,450	13,748	13,281	13,671	16,466
002-028	211/202									3	2	330	3,278	4,109	3,510	3,694	3,924
002-028	211/203	14,456	17,567	18,682	18,603	18,540	18,218	8,905	1,402	4	2	885	10,747	14,311	15,401	14,996	15,362
002-028	211/204	10,763	15,141	17,786	16,548	14,481	16,133	13,000	7,098	5,727	5,435	7,304	12,739	12,653	16,907	18,375	17,196
002-028	211/205	10,408	14,631	17,123	15,917	14,822	15,534	12,270	6,690	5,358	5,130	7,044	12,238	11,964	15,773	17,177	16,403
002-028	211/206	2,913	4,642	5,162	5,144	4,971	4,571	5,246	5,830	6,240	6,029	5,516	5,456	5,197	5,208	5,138	5,317
002-029	204/256	40	29	13	5	39	122	210	204	163	82	0					

APPENDIX F MONTHLY ABSTRACTION PER WELL (1996-2000) PHASE 2

Farm No	Well No	Apr97	May97	Jun97	Jul97	Aug97	Sep97	Oct97	Nov97	Dec97	Jan98	Feb98	Mar98	Apr98	May98	Jun98	Jul98
002-029	204/260	0	0	0				2	2								
002-029	204/261	1,642	2,200	1,714	1,177	1,345	1,778	1,793	1,394	1,529	1,528	1,141	1,881	2,453	3,162	2,872	2,236
002-030	203/441																
002-030	203/443																
002-031	206/433	666	1,062	924	777	1,116	1,313	1,537	976	881	1,007	882	1,370	1,490	1,505	1,159	798
002-031	206/434	316	404	253	207	380	635	677	348	359	467	489	898	998	1,210	786	476
002-033	211/008	3,712	4,726	4,395	4,873	4,981	4,097	3,208	2,920	3,030	2,744	1,787	1,806	2,417	3,566	4,598	4,855
002-033	211/009									476	853	535	730	1,132	2,165	2,635	2,077
002-034	211/000	2,498	3,420	3,703	3,422	3,371	3,443	3,967	4,375	3,952	3,115	2,869	3,634	3,948	4,414	5,546	5,064
002-034	211/001	4,841	6,763	7,538	6,640	6,966	7,066	7,049	4,318	2,948	4,653	4,970	5,927	6,647	8,561	7,061	5,066
002-035	211/819	6,051	7,306	7,566	7,357	8,190	8,402	8,039	6,174	5,827	6,054	5,176	6,267	7,236	9,280	9,591	9,962
002-035	211/820	5,223	6,786	6,238	6,375	6,827	6,331	5,392	4,298	4,688	4,657	4,096	5,311	5,654	6,327	6,157	6,039
002-036	211/420	1,094	1,979	2,280	2,168	1,638	1,292	1,371	1,037	791	603	498	954	1,338	2,033	1,796	1,573
002-036	211/421	1,405	1,865	1,829	1,798	1,672	1,783	1,947	1,656	1,702	1,672	1,524	1,891	1,920	2,049	1,990	2,025
002-037	211/434	1,492	1,952	2,005	1,618	921	617	456	347	420	347	192	270	345	385	387	480
002-038	211/428	5,217	4,433	8,061	8,476	8,638	8,693	8,614	3,750	885	826	1,455	2,137	1,390	1,964	1,465	43
002-038	211/429	2,015	3,942	2,512	2,401	3,403	3,195	3,516	1,773	223	202	304	723	1,175	598	451	452
002-039	211/760	0	0	0	0	0	0	0	0	0	1	1	0	0	0		0
002-039	211/761	4,223	5,781	5,960	5,574	4,799	4,175	3,559	2,831	3,068	3,486	3,739	4,972	5,102	5,252	4,563	4,060
002-039	211/763	1,122	1,686	1,880	1,578	1,586	1,497	1,284	938	815	774	809	1,301	1,396	1,362	1,537	1,639
002-040	201/645	6,270	9,423	9,020	9,340	8,597	7,308	6,510	6,028	6,742	6,280	5,895	7,026	7,335	10,179	9,418	8,932
002-040	201/646	6,108	6,088	4,564	2,616	2,286	2,585	4,172	6,864	8,242	7,818	6,738	7,492	6,539	5,430	4,300	3,275
002-040	201/647	2,362	794	865	542	676	749	1,210	1,993	2,477	2,924	1,869	1,030	1,024	798	1,074	877
002-040	201/648	188	571	361	123	14	5	0	0	1	1	0					
002-040	201/650	10,492	12,754	14,784	15,067	15,090	15,761	16,548	12,966	12,690	12,984	11,800	15,540	16,164	13,777	11,088	15,142
002-040	201/651	774	849	858	804	884	858	716	553	530	514	403	438	488	589	595	650
002-040	201/654	13,112	16,717	14,593	15,347	12,566	10,489	11,996	11,966	12,589	10,899	8,903	11,767	12,146	12,819	11,580	10,666
002-040	201/655			0	0	0	0	0		1	2	0	0	0		0	2
002-041	203/307	923	1,145	1,256	1,326	1,253	1,170	1,215	1,094	1,058	1,002	913	914	898	1,220	1,180	1,119
002-042	202/938	2,485	3,625	4,081	3,894	3,162	3,915	4,485	3,718	2,910	2,220	751	2				
002-042	202/939	2,730	3,389	3,315	3,437	3,766	3,274	2,997	2,120	1,451	1,335	3,229	4,748	4,708	4,946	4,666	4,650
002-042	202/940	513	1,088	1,470	1,059	626	598	509	262	83	83	268	527	480	483	458	333
002-043	203/386	1,116	1,502	1,514	1,420	1,078	716	467	245	219	246	218	144	214	445	377	286
002-043	203/387	223	912	1,328	1,082	1,104	834	567	360	436	429	406	463	422	503	652	656
002-044	203/388	3,305	4,562	3,599	4,000	4,698	4,089	3,996	3,212	3,403	3,622	4,049	6,081	7,023	7,239	4,048	3,955

APPENDIX F MONTHLY ABSTRACTION PER WELL (1996-2000) PHASE 2

Farm No	Well No	Apr97	May97	Jun97	Jul97	Aug97	Sep97	Oct97	Nov97	Dec97	Jan98	Feb98	Mar98	Apr98	May98	Jun98	Jul98
002-045	203/390	3,190	4,211	4,794	4,591	4,169	3,803	3,337	2,014	1,337	1,941	2,833	3,421	3,016	3,339	3,663	3,348
002-045	203/391	388	286	122	48	46	36	45	350	1,043	756	140	324	608	739	337	74
002-045	203/392	0	1	2	1	0	0	0	0	0	6	4					
002-045	203/393										245	865	1,327	1,501	1,857	2,013	2,058
002-046	203/373	1,342	1,633	1,473	620	113	59	21	4	0		10	7				
002-047	203/350	5,916	12,776	17,823	17,056	10,203	7,530	9,120	4,102	7,818	8,883	9,009	8,700	10,211	11,295	8,864	7,258
002-047	203/351	5,415	9,261	11,480	10,612	10,671	11,606	10,327	6,361	5,147	5,437	5,589	8,852	11,299	7,865	13,211	10,612
002-048	203/402	5,794	6,785	6,774	6,631	5,685	5,303	5,275	4,702	4,538	4,500	4,345	5,377	5,446	5,282	3,651	2,343
002-048	203/403	5,432	6,972	6,758	5,904	5,143	4,813	4,015	2,705	2,908	2,829	2,123	3,457	4,286	4,802	4,324	2,990
002-048	203/404	5,003	6,312	6,253	5,106	4,874	5,019	4,498	2,959	2,717	1,289	2,759	5,270	5,332	5,653	5,380	5,390
002-049	202/930	1,395	2,616	1,986	833	516	779	825	399	442	481	294	470	712	903	691	631
002-049	202/931	9,327	11,926	11,795	12,446	12,667	11,533	10,508	7,185	7,032	7,469	7,009	9,843	11,509	12,547	9,381	7,693
002-049	202/932	1,602	3,872	6,654	6,854	6,513	5,857	5,486	4,364	4,317	4,554	4,689	5,608	6,017	5,705	5,138	5,620
002-050	201/741	2,773	3,660	3,614	3,449	3,553	3,049	3,168	1,861	1,889	2,183	2,034	3,485	4,166	3,605	2,529	1,938
002-050	201/742	4,759	5,424	5,008	4,391	3,811	2,396	885	1,895	1,685	1,519	1,253	421	266	1,573	1,932	1,298
002-050	202/743	5,604	7,308	7,452	7,008	6,371	5,596	5,274	4,245	4,336	4,116	4,500	5,043	5,065	5,298	3,959	3,484
002-051	201/824	2,244	2,899	2,331	1,643	1,630	1,595	1,388	943	926	1,060	1,012	1,285	1,421	1,570	1,449	1,521
002-051	201/825	1,974	2,112	1,805	2,280	2,439	1,983	1,440	1,082	977	1,014	715	933	1,070	809	672	780
002-052	204/467	4,599	7,289	7,798	8,803	7,918	4,598	3,936	4,790	4,655	5,014	4,505	6,890	8,238	9,424	9,771	13,056
002-052	204/468	3,541	5,109	5,144	5,396	5,100	4,529	4,360	3,003	2,377	2,678	2,881	3,520	4,546	5,203	5,132	5,193
002-053	204/442	2	39	517	775	278	90	72	30	8	4						
002-053	204/443	3,541	8,022	9,159	8,442	7,561	6,353	6,563	5,064	4,573	3,402	4,030	5,692	6,132	8,653	9,210	9,346
002-053	204/444	1,428	2,808	3,090	2,926	2,591	1,761	820	663	1,367	2,112	2,348	2,876	3,254	3,393	3,293	3,378
002-053	204/445	1,365	3,389	3,377	3,166	3,832	3,479	3,521	2,399	1,897	1,495	282	1,943	3,892	3,551	3,316	4,033
002-053	204/447	2,456	5,393	4,859	3,421	4,148	3,887	3,742	2,742	2,638	3,258	3,560	3,915	3,846	4,790	4,976	5,163
002-054	204/419	4,721	7,154	8,064	8,045	7,385	7,009	5,924	4,194	4,157	4,332	4,579	6,117	6,847	8,181	8,270	7,755
002-054	204/420	3,918	6,112	7,203	7,335	6,621	6,137	5,320	3,926	3,371	3,367	3,524	4,791	5,526	6,839	7,187	7,869
002-055	205/333												16	20			
002-055	205/336	3,346	3,638	3,557	3,661	3,879	3,973	3,901	3,215	2,772	2,768	2,652	2,973	3,357	4,532	4,429	4,539
002-056	205/255	1,088	1,169	607	1,032	1,352	1,410	1,287	561	529	664	1,452	3,988	5,136	4,564	2,510	1,714
002-056	205/256	681	870	793	1,228	1,249	1,244	1,204	677	584	596	431	639	1,024	804	178	79
002-057	205/216	927	885	808	811	809	778	789	796	581	188	0	435	939	1,229	1,179	1,224
002-057	205/217	2,774	3,258	3,189	3,261	3,071	2,847	2,880	2,033	1,894	2,612	2,720	3,256	3,220	3,220	3,066	3,074
002-057	205/219	3,614	4,629	4,711	4,886	4,686	4,387	4,448	4,019	4,053	4,090	3,764	4,501	4,483	4,720	4,576	4,596
002-058	205/206	10,524	10,004	8,606	6,246	5,002	5,366	3,498	1,173	765	2,620	4,347	6,779	8,564	4,532		

APPENDIX F MONTHLY ABSTRACTION PER WELL (1996-2000) PHASE 2

Farm No	Well No	Apr97	May97	Jun97	Jul97	Aug97	Sep97	Oct97	Nov97	Dec97	Jan98	Feb98	Mar98	Apr98	May98	Jun98	Jul98
002-058	205/209	2,251	2,542	1,980	921	688	691	115	41	4	7	88	274	266	68		
002-059	205/174	11,484	16,236	18,337	18,685	16,676	14,445	13,495	10,839	10,219	10,642	9,707	11,249	10,882	9,062	7,233	8,215
002-059	205/177		0	0		0	0							0	0		
002-060	205/195	3,926	4,875	2,790	2,144	1,881	1,382	960	947	1,010	1,058	1,082	924	3,027	3,337	1,543	1,075
002-060	205/196	4,673	5,169	3,644	2,117	1,550	1,426	1,416	1,450	1,371	1,377	1,308	1,435	1,609	1,615	1,478	912
002-061	205/185	6,228	9,051	9,022	9,030	7,922	6,269	5,670	4,854	4,656	4,351	3,908	5,656	7,462	8,812	8,390	8,371
002-061	205/186	5,813	8,647	8,775	8,640	7,852	7,054	6,860	5,035	4,475	4,856	4,970	7,047	8,388	9,363	8,515	7,901
002-062	205/201	356	1,716	2,444	2,630	2,489	2,171	1,936	1,400	1,176	1,195	1,156	1,660	2,003	2,422	2,299	2,289
002-062	205/202	2,040	2,836	3,273	3,393	3,155	2,722	2,385	1,689	1,470	1,450	1,388	2,171	2,648	3,069	2,945	1,954
002-063	205/226	2,745	3,826	3,683	3,722	3,633	3,548	3,420	2,468	1,891	2,113	2,113	3,593	4,249	4,360	4,256	4,003
002-063	205/229	2,574	4,065	3,919	3,772	3,741	3,423	2,922	2,567	2,426	2,258	1,982	2,572	3,505	3,726	3,599	3,470
002-064	205/198	877	1,471	1,717	1,612	1,413	1,317	2,262	2,599	2,075	3,190	1,867	1,199	1,264	1,642	1,750	1,591
002-064	205/199	5,234	8,339	8,756	8,358	9,045	8,848	6,100	4,223	4,192	3,497	4,069	6,145	8,339	11,380	12,493	12,459
002-065	211/645	3,683	5,100	5,696	5,584	4,898	4,265	3,644	3,299	3,233	3,078	2,919	3,842	4,243	4,414	4,422	4,170
002-065	211/646		15	24	93	179	220	496	266	104	124	281	414	454	1,224	1,419	1,392
002-066	002/052	397	528	164				1,629	4,743	4,731	4,891	4,429	5,118	4,768	4,505	4,090	4,125
002-066	002/053	0	1,037	5,210	6,521	5,646	8,406	7,836	6,059	6,627	6,565	5,815	6,543	6,004	6,982	7,330	8,064
002-066	002/054	2,812	3,058	3,073	3,167	3,175	3,036	3,106	2,817	2,962	2,978	2,759	3,278	2,921	3,166	3,411	3,740
002-066	002/055	131	73	573	1,233	859	753	1,188	947	819	914	1,303	2,164	2,002	2,432	2,697	2,716
002-066	002/056	3,121	3,134	3,484	3,828	3,712	2,344						2	9	17	16	45
002-066	002/057	3,402	4,189	3,965	3,487	3,771	3,627	3,780	3,859	3,410	3,485	2,854	3,657	3,637	4,054	3,953	4,151
002-066	002/060	3,128	3,408	3,514	3,534	3,517	3,399	3,476	3,142	3,160	3,098	2,840	3,335	3,231	3,416	3,367	3,788
002-066	002/061	6,311	6,983	7,029	6,944	6,765	6,744	6,838	6,116	6,132	6,011	5,422	6,050	5,948	6,903	7,136	7,617
002-067	206/491	5,291	6,338	6,037	5,167	5,920	6,441	6,186	5,036	4,495	4,369	4,054	5,753	7,127	8,345	7,899	7,222
002-068	211/625	1,568	2,997	2,904	2,891	2,867	2,556	2,497	1,832	1,831	1,624	1,442	2,467	2,799	3,268	3,130	3,155
002-068	211/626	1,300	4,657	3,745	3,590	4,125	3,849	4,270	2,735	2,665	2,252	2,115	3,513	3,879	4,680	3,451	2,580
002-069	211/784	6,533	11,753	13,526	14,181	13,431	11,133	7,276	6,097	6,023	4,790	4,317	6,263	7,386	9,075	8,976	7,532
002-069	211/785	1,297	2,519	2,251	2,134	2,089	1,924	946	819	793	812	814	1,150	1,403	1,873	1,826	1,336
002-069	211/786	4,102	7,798	9,180	9,705	9,100	7,637	6,073	5,550	5,613	5,602	4,974	6,352	7,273	8,530	8,418	7,363
002-069	211/787	106	200	149	92	89	99	94	71	51	43	26	32	42	45	70	80
002-070	000/003	7,805	13,589	14,696	13,337	11,744	11,358	10,786	7,944	7,175	8,490	8,016	10,819	11,539	12,387	12,683	12,969
002-070	211/780	9,973	17,661	19,005	16,582	14,226	13,657	12,507	10,429	9,340	10,488	10,093	12,996	13,359	14,126	14,433	14,927
002-071	211/775	5,743	5,935	5,815	5,335	4,132	4,281	4,129	3,419	3,485	3,903	3,675	4,289	4,834	5,835	5,723	4,433
002-071	211/776	5,492	5,675	5,839	6,684	6,464	5,585	5,362	4,674	4,046	3,032	2,280	2,975	3,301	4,321	4,183	3,378
002-072	211/772	11,431	15,102	13,418	11,507	10,546	10,214	9,913	7,476	6,295	6,011	5,822	8,406	9,607	10,652	10,963	10,397

APPENDIX F MONTHLY ABSTRACTION PER WELL (1996-2000) PHASE 2

Farm No	Well No	Apr97	May97	Jun97	Jul97	Aug97	Sep97	Oct97	Nov97	Dec97	Jan98	Feb98	Mar98	Apr98	May98	Jun98	Jul98
002-072	211/773	9,328	13,269	11,686	9,439	7,668	7,590	7,009	3,862	3,999	4,931	6,056	7,186	6,712	7,336	7,389	6,541
002-073	211/800	2,934	6,760	8,755	8,144	8,028	7,924	7,634	5,037	3,990	4,122	3,747	6,137	7,864	9,491	9,012	8,649
002-073	211/801	4,045	7,107	8,493	8,082	7,155	6,541	6,524	5,052	4,303	4,269	3,298	5,087	6,157	6,782	7,043	6,544
002-074	211/912	2,765	4,785	6,856	6,574	3,912	1,345	2,462	3,637	2,899	2,094	1,931	2,972	3,741	4,597	4,524	4,892
002-074	211/913	952	813	908	1,794	2,664	4,001	4,489	3,783	3,018	2,897	3,531	6,001	6,493	8,310	8,246	7,314
002-074	211/914	4,106	5,437	5,393	3,115	1,826	1,843	2,561	2,794	2,429	2,507	2,736	3,758	3,176	3,318	3,598	3,246
002-075	211/700	3,430	4,438	4,303	3,824	3,783	4,188	4,274	3,422	2,882	2,914	2,979	3,504	4,133	3,798	3,676	4,143
002-075	211/701	8,755	9,425	8,849	8,612	7,226	7,992	11,172	7,796	4,414	5,634	2,334	80	2,193	12,097	9,316	8,835
002-075	211/704			0	0										1	2	
002-076	211/720	4,460	5,050	4,474	4,489	4,129	3,952	4,126	4,244	4,532	3,481	2,329	5,105	5,017	4,147	4,386	4,357
002-076	211/722	2,322	2,787	2,732	2,943	2,385	1,762	1,712	1,652	1,709	1,801	1,447	1,674	2,293	1,538	1,231	1,327
002-076	211/723	1,680	483	1,343	1,846	2,235	2,083	2,121	2,059	2,112	1,661	810	1,357	2,096	2,167	2,032	2,078
002-076	211/724	4,627	4,503	3,808	3,344	4,346	5,923	6,171	6,140	6,870	7,164	6,740	7,072	5,919	7,197	6,330	6,063
002-076	211/725	2,639	2,922	2,795	2,634	2,554	2,499	2,556	1,863	1,053	1,483	2,532	3,252	3,418	3,136	2,760	2,697
002-077	211/726	0													2	3	
002-077	211/727	3,931	3,632	2,283	4,072	4,269	4,106	3,997	4,161	4,574	3,568	1,969	4,490	4,623	4,435	3,827	2,796
002-078	211/452	5,395	5,651	3,929	3,921	3,873	3,631	3,694	3,344	3,480	3,850	4,124	4,346	3,725	3,637	3,446	3,352
002-078	211/453	2,676	3,263	3,200	3,108	2,850	2,645	2,495	1,555	816	1,239	1,536	2,238	2,652	3,027	2,857	2,847
002-079	211/732	2,110	4,683	3,606	4,810	4,236	3,883	3,405	2,575	2,327	2,014	2,391	3,437	4,555	5,643	5,329	4,733
002-079	211/733	8,039	10,484	8,783	9,919	10,565	9,456	8,932	8,053	8,273	7,824	7,769	9,887	11,080	13,872	12,396	9,840
002-079	211/734	7,478	8,938	8,051	7,909	7,741	7,588	7,524	7,157	7,868	7,957	7,137	8,074	7,731	7,448	8,043	8,396
002-079	211/735	533	1,023	4,178	3,988	3,991	3,909	3,769	2,634	1,131	285	319	2,221	4,296	4,869	4,547	4,566
002-079	211/736	6,189	7,333	7,179	7,650	7,393	6,738	6,352	6,225	7,170	6,514	6,536	7,410	7,365	8,067	7,268	7,489
002-079	211/737	1,901	3,547	3,570	3,603	2,715	2,557	2,263	2,058	1,776	660	85	988	2,142	627	114	1,190
002-079	211/738													1	3		
002-080	211/706	5,540	6,760	7,416	7,220	7,002	6,822	6,462	4,681	4,362	3,360	245	924	1,728	0		2
002-080	211/707	6,609	8,353	9,341	12,336	11,784	3,183	8,624	6,176	5,213	5,955	6,776	9,569	10,851	11,731	10,889	11,020
002-081	211/742	6,536	10,110	10,977	10,752	10,562	9,922	9,090	6,623	5,894	6,152	6,373	8,898	10,149	12,230	11,684	11,213
002-081	211/743	4,940	6,721	6,837	6,464	6,146	5,820	5,583	4,554	4,440	4,768	5,021	6,688	7,254	7,600	6,866	6,295
002-082	211/740	9,468	12,816	14,232	14,228	13,192	12,011	10,344	8,366	7,693	7,473	7,544	10,986	12,500	14,591	14,070	13,997
002-083	211/881	1,121	3,141	2,198	2,328	1,373	2,664	3,065	2,193	1,808	2,009	2,020	3,206	3,811	5,000	4,956	4,799
002-083	211/883	827	2,325	1,656	1,865	2,474	3,224	2,433	1,788	1,534	1,668	1,608	2,527	3,001	4,068	3,918	3,790
002-083	211/884	458	1,112	1,174	1,274	1,733	2,096	1,368	185	296	294	459	993	1,757	2,512	1,044	97
002-083	211/886	2,032	3,825	4,422	5,185	4,494	3,492	3,552	2,668	2,609	1,872	2,110	2,323	1,911	5,052	4,829	4,935
002-083	211/887	2,382	3,682	3,117	3,110	2,407	2,560	2,845	1,815	2,082	1,464	1,803	2,485	2,603	3,362	3,168	3,169

APPENDIX F MONTHLY ABSTRACTION PER WELL (1996-2000) PHASE 2

Farm No	Well No	Apr97	May97	Jun97	Jul97	Aug97	Sep97	Oct97	Nov97	Dec97	Jan98	Feb98	Mar98	Apr98	May98	Jun98	Jul98
002-084	211/874	8,461	17,987	18,835	18,654	16,701	15,301	14,137	8,882	6,238	7,021	8,519	13,431	14,929	16,815	16,804	18,080
002-084	211/875	10,889	12,091	8,573	9,145	11,391	12,109	12,239	9,442	7,457	9,501	9,927	10,023	5,867	3,255	6,567	8,129
002-084	211/876	15,225	21,191	20,114	21,319	20,805	19,811	20,428	19,828	21,692	22,023	18,906	22,765	21,827	21,082	19,637	20,167
002-084	211/877	2,199												1	2		
002-086	211/895	6,792	11,005	10,465	11,596	9,722	10,061	10,161	8,579	7,618	7,184	4,846	9,376	12,710	14,947	13,009	10,905
002-086	211/896	4,152	6,377	6,250	5,230	7,934	6,078	7,413	5,069	4,536	4,875	4,460	4,340	5,021	5,107	5,502	5,296
002-087	211/749	3,078	4,508	4,394	4,943	3,931	3,455	2,927	1,752	2,024	2,888	2,437	4,163	6,388	14,871	17,426	18,528
002-088	000/005	5,565	6,147	3,116	3,427	4,559	3,640	3,531	2,854	3,214	3,441	2,965	4,740	5,546	5,907	6,498	6,280
002-088	211/599	8,042	14,914	14,781	14,776	12,350	10,952	9,803	7,195	6,371	6,556	4,164	7,288	12,990	15,692	15,231	14,617
002-088	211/600	355	423	418	326	208	229	187	150	180	132	75	127	195	157	263	356
002-089	211/579	6,510	10,397	9,273	4,468	4,440	5,753	5,632	5,409	5,102	5,289	4,781	5,824	6,957	10,180	11,330	10,656
002-089	211/581	4,540	4,821	4,177	7,300	7,050	5,561	5,377	4,163	3,609	3,170	3,417	3,533	4,760	7,146	8,250	8,498
002-089	211/582	5,165	9,703	11,798	11,538	10,766	9,289	8,679	6,787	6,552	5,194	3,738	5,000	6,977	6,948	6,415	5,833
002-089	211/583	5,478	7,209	7,935	8,340	8,205	6,680	5,241	4,550	3,260	1,371	4,915	5,468	5,973	6,318	5,735	8,084
002-089	211/584	4,783	8,302	8,784	8,527	6,332	6,110	5,460	4,621	4,194	4,171	2,977	3,438	5,908	8,082	9,108	9,284
002-090	211/601	5,909	6,171	13,100	11,281	14,107	13,150	12,467	7,680	7,329	7,947	6,304	3,825	3,209	4,228		
002-090	211/602	3,405	10,000	14,325	8,431				2	5		1,414	10,115	16,780	20,457	18,584	6,699
002-090	211/603	18,836	22,678	22,445	27,914	25,930	25,364	22,946	15,970	14,069	16,990	17,667	19,786	18,483	19,482	25,007	29,835
002-091	211/609	4,052	8,384	7,200	8,300	7,262	6,340	5,894	5,199	4,670	3,340	1,901	4,393	5,257	3,473	1,970	2,222
002-091	211/612	1,502	2,997	3,777	7,530	3,429	1,329	1,181	982	1,711	1,686	1,209	2,379	2,087	2,290	1,694	1,733
002-091	211/613	4,330	8,701	6,146	585	3							5	60	367	316	241
002-092	211/575	6,871	10,531	11,378	11,554	10,810	10,302	9,293	6,680	6,789	7,633	7,058	10,034	13,128	13,880	11,477	10,422
002-092	211/576	8,354	10,315	8,761	4,813	3,381	5,605	6,443	4,454	5,287	4,994	2,847	3,910	3,919	6,736	7,930	6,098
002-092	211/577																2
002-092	211/578	7,471	9,748	9,484	9,246	5,984	2,136	2,467	1,991	1,247	952	1,910	2,752	2,412	4,030	4,175	6,185
002-093	211/604	7,234	11,387	11,574	11,565	9,323	7,192	7,197	5,288	4,369	3,920	3,538	4,631	5,811	5,882	4,896	4,330
002-094	211/666	3,366	2,539	3,320	5,736	5,211	4,552	4,266	3,713	4,249	3,971	3,464	4,635	5,111	5,541	5,285	5,325
002-095	211/650	4,318	5,739	4,946	5,037	5,077	5,816	5,593	3,497	4,072	4,055	3,941	5,174	5,738	6,340	4,208	5,341
002-095	211/651	5,640	7,847	9,069	8,112	8,188	7,806	7,021	5,236	5,339	5,717	5,210	7,242	8,576	10,719	17,413	17,072
002-096	206/388	14,027	20,707	17,649	15,875	15,748	16,160	13,021	10,481	10,451	8,675	8,624	12,394	16,166	18,997	20,729	15,364
002-096	206/413	5,732	9,445	15,446	14,214	13,782	14,096	11,231	9,301	8,919	5,724	7,883	11,203	14,267	14,925	12,217	12,520
002-097	000/001	5,958	7,215	7,035	6,736	6,794	6,175	5,869	4,707	5,356	4,810	4,543	5,592	5,752	6,184	6,182	9,144
002-097	206/401	203	670	714	592	650	574	532	310	416	377	428	617	995	929	472	500
002-098	206/381	7,698	9,201	10,620	10,498	10,039	8,649	8,253	6,763	6,797	6,224	6,621	8,491	9,984	10,757	11,440	13,547
002-098	206/382	9,783	13,133	13,040	13,553	12,364	11,239	9,398	6,392	6,457	7,015	7,240	10,335	11,162	12,863	13,250	12,186

APPENDIX F MONTHLY ABSTRACTION PER WELL (1996-2000) PHASE 2

Farm No	Well No	Apr97	May97	Jun97	Jul97	Aug97	Sep97	Oct97	Nov97	Dec97	Jan98	Feb98	Mar98	Apr98	May98	Jun98	Jul98
002-098	206/383	7,098	8,430	9,846	10,827	9,307	8,546	7,506	6,019	5,965	6,222	6,116	7,381	7,775	8,577	8,005	7,187
002-099	206/377	4,754	7,000	8,112	7,521	6,423	5,244	4,053	2,971	3,420	3,801	3,999	5,169	6,761	7,769	7,171	6,783
002-099	206/378	5,611	7,503	7,648	6,929	5,937	5,512	5,115	3,712	3,584	3,288	3,020	3,901	4,292	5,186	5,073	4,820
002-099	206/406	3,623	4,822	4,748	4,282	3,824	4,208	4,323	4,057	4,367	3,318	2,918	4,047	4,058	4,160	3,891	2,934
002-100	211/677	2,263	4,626	7,226	10,164	9,603	8,867	7,989	6,378	5,698	4,581	4,694	6,708	8,385	7,916	12,731	12,419
002-100	211/678	2,715	4,417	4,311	7,992	10,781	10,701	10,749	9,087	6,934	4,533	5,313	8,708	11,992	13,985	13,954	13,915
002-100	211/679	3,401	7,083	10,665	11,593	10,870	11,079	10,963	9,608	7,016	5,161	4,662	8,333	14,434	15,181	13,604	15,875
002-100	211/680	4,830	10,295	10,510	5,808	10,164	5,140	2,667	639	1,561	2,999	3,773	3,342	3,423	10,611	10,274	8,759
002-100	211/681	6,356	13,998	15,221	15,200	15,187	13,941	13,096	9,829	9,562	8,952	9,089	12,443	14,196	14,923	14,046	14,643
002-101	204/206	6,658	8,991	7,997	8,452	7,608	6,871	3,828	10.814	9.239	5,925	5,745	6,610	12,727	12,372	7,914	16,875
002-102	204/200	6,343	10,389	9,692	9,457	9,255	8,869	8,266	6,278	6,253	5,227	5,029	6,511	7,125	7,805	7,940	7,984
002-103	201/680	677	1,081	. 895	870	690	556	241	112	199	262	231	334	396	472	388	333
002-104	201/657	5,288	11,284	10,327	1,304						476	3,094	4,609	2,213	8,035	10,110	10,935
002-104	201/658	4,638	5,871	7,592	7,523	7,054	5,267	4,349	2,860	2,880	2,854	3,037	3,561	4,456	5,320	4,995	5,250
002-104	201/659																
002-104	201/660	3,350	6,604	8,581	10,319	10,098	8,553	8,421	6,225	6,124	4,925	3,300	2,811	4,531	5,033	4,994	5,601
002-105	211/500	495	1,116	1,122	1,339	1,524	2,063	2,061	850	841	120	388	798	867	1,764	2,002	1,138
002-105	211/501	53	823	1,005	1,700	498	336	1,532	741	1,107	1,254	1,159	1,424	1,828	2,249	1,837	1,728
002-105	211/502	5	9	10	17	58	262	371	93	56	18			1	5	0	0
002-106	000/004	203	1,338	2,052	1,539	1,677	1,485	2,193	2,064	1,534							
002-106	201/720	7,216	8,941	9,796	11,388	10,923	10,880	11,263	7,863	6,090							
002-106	201/721	2,790	4,095	3,770	4,928	2,969	483	0	3	11							
002-106	201/723	5,834	6,376	4,627	5,772	4,462	2,304	2,359	2,122	1,560							
002-106	201/725	4,258	5,557	4,645	3,527	4,796	6,833	5,474	5,386	4,137							
002-106	201/726	2,542	4,529	5,168	5,954	5,831	5,693	4,791	2,582	1,198							
002-107	000/002	3,023	3,832	4,080	4,514	4,861	4,997	5,313	4,468	3,865	2,770	2,281	3,330	3,678	4,327	4,529	4,889
002-108	201/677	11,427	13,939	13,145	13,296	12,292	11,160	10,720	9,326	11,004	10,377	9,111	12,092	12,233	13,448	12,866	11,955
002-108	201/678	7,371	8,036	7,808	7,620	6,673	5,502	5,016	4,706	4,684	4,309	3,940	4,444	4,822	5,386	6,439	6,409
002-108	201/679			5	71	0	0	0						7	56		
002-109	206/360	4.846	5,406	5,076	4,953	4,662	4,662	3,721	3.866	4.147	3,734	3,035	4,318	4,982	5,896	5,265	4,753
002-110	201/697	26	27	12	18	13	23	22	31	34	22	33	45	28	27	17	18
002-110	201/698	9,787	18,547	18,395	14,288	13,393	12,457	11,339	7,281	8,003	7,064	6,030	9,780	14,746	17,377	16,503	16,479
002-110	201/699	10,707	16,199	15,903	13,374	14,460	11,772	10,994	8,832	9,175	9,798	9,369	11,418	12,047	12,817	12,682	12,422
002-111	000/006	5,878	8,228	8,949	4,308	8,470	6,554	6,662	3,917	3,687	3,294	4,410	2,750	2,545	3,112	5,721	5,449
002-111	206/363		146	1,457	1,351	149	481	822	542	750	1,861	1,607	2,128	2,772	4,225	2,929	969

APPENDIX F MONTHLY ABSTRACTION PER WELL (1996-2000) PHASE 2

Farm No	Well No	Apr97	May97	Jun97	Jul97	Aug97	Sep97	Oct97	Nov97	Dec97	Jan98	Feb98	Mar98	Apr98	May98	Jun98	Jul98
002-111	206/364	556	2,078	1,302	3,061									119	1,028	5	
002-111	206/375	0	0	0											1	7	
002-112	206/361	5,311	8,622	9,535	9,987	8,729	7,801	7,581	5,873	5,798	5,511	4,803	6,532	7,620	8,015	7,650	8,092
002-112	206/362	5,807	9,425	10,489	10,759	9,226	8,220	7,764	5,329	5,899	5,622	5,221	7,469	8,732	10,572	10,391	10,518
002-112	206/373	4,389	12,504	12,163	10,866	11,189	10,627	8,957	5,080	5,520	6,171	4,751	9,552	12,429	15,002	14,515	12,064
002-112	206/374	4,354	11,716	11,467	10,117	10,110	9,424	8,031	4,351	4,280	4,469	3,502	6,904	7,166	13,158	13,245	11,947
002-113	204/713														5	25	
002-113	204/719	9,377	13,422	13,918	16,090	16,467	13,318	10,112	5,359	6,121	6,204	4,520	8,847	8,807	9,465	4,757	4,263
002-113	204/721	12,261	21,175	20,599	23,030	20,557	17,166	15,792	8,268	6,772	5,203	2,678	2,670	4,636	9,238	7,942	6,533
002-113	204/722	5,314	18,037	17,001	19,989	13,126	13,290	11,925	2,610	1,238	881	2,772	4,178	6,042	5,046	7,847	8,523
002-114	204/728	1,803	3,859	4,828	4,171	4,784	4,361	4,120	4,003	3,985	3,684	4,215	3,292	4,567	5,001	5,294	4,381
002-114	204/729	3,240	5,133	5,863	5,075	4,686	4,628	7,054	4,267	3,773	4,554	3,962	4,113	5,213	5,573	6,163	4,656
002-114	204/730	2,022	3,444	4,238	4,095	4,011	2,911	5,416	3,607	1,801	1,317	1,047	2,348	3,597	4,462	4,880	3,674
002-114	204/732	3,038	4,109	5,405	5,095	4,321	5,276	4,927	4,524	4,185	2,908	1,576	3,516	4,611	4,829	4,608	3,880
002-115	204/752	1,926	2,232	1,865	1,815	1,752	1,957	1,615	1,375	1,228	822	701	478	601	1,034	780	934

APPENDIX F MONTHLY ABSTRACTION PER WELL (1996-2000) PHASE 2

Farm No	Well No	Aug98	Sep98	Oct98	Nov98	Dec98	Jan99	Feb99	Mar99	Apr99	May99	Jun99	Jul99
002-001	002/120	8,145	7,615	4,041	712	2,495	1,300	173		2,559	7,253	7,123	2,271
002-001	002/121	6,532	5,695	5,694	4,947	4,079	3,295	4,162	4,614	4,819	5,205	3,619	1,041
002-001	002/122	6,792	5,945	6,162	5,354	4,731	4,567	4,975	5,627	5,247	6,422	7,002	7,298
002-002	201/000	16,067	14,753	14,192	12,321	10,928	11,002	8,334	11,994	13,904	17,150	18,033	7,303
002-002	201/002	7,806	6,757	8,837	7,005	6,546	6,968	8,241	12,207	13,373	14,151	9,647	2,819
002-002	201/012	2	1										
002-003	201/001	3,129	4,074	4,980	5,316	5,285	4,775	4,366	7,063	8,107	7,552	6,321	2,400
002-003	201/004	1,149	1,408	1,480	2,168	2,485	2,574	1,865	2,613	2,422	1,300	698	220
002-004	201/006	8,588	7,046	6,532	5,807	4,660	4,075	3,814	5,868	7,369	8,068	7,334	2,857
002-004	201/007	8,898	7,572	6,995	6,530	5,247	4,734	2,875	5,547	8,983	10,844	9,727	3,724
002-004	201/008	5,596	3,924	3,242	2,578	2,151	2,003	1,313	1,413	3,045	4,649	4,595	1,851
002-004	201/009	10,931	8,485	7,120	5,771	4,901	4,013	4,218	7,174	8,155	9,096	8,763	3,443
002-005	201/014	5,607	5,142	5,095	4,775	4,239	3,734	3,204	4,650	5,172	6,043	6,103	2,438
002-006	000/008								2,744	3,657	4,687	4,961	2,042
002-006	201/016	7,114	8,055	8,176	7,352	6,550	5,732	5,683	6,991	6,860	6,924	6,450	2,527
002-006	201/017	4,557	3,146	2,441	2,618	1,914	1,454	1,469					
002-007	201/043	14,500	13,082	12,010	10,235	9,429	9,134	8,354	10,460	11,468	12,376	10,887	4,088
002-007	201/047	8,993	8,885	9,079	7,682	6,904	6,455	6,128	5,736	2,319	3,619	2,786	479
002-007	201/048	3,165	4,972	5,999	4,853	3,542	3,165	2,749	3,868	4,609	5,764	6,293	2,630
002-008	201/060	1,145	944	971	1,485	1,515	930	487	145				
002-008	201/061	142	2	1	2	1							
002-009	000/007	9,094	8,371	8,277	7,966	6,959	6,585	5,762	6,902	7,472	8,734	8,235	3,159
002-009	000/009	5,935											
002-009	000/010		9,794	12,053	11,369	10,116	9,810	8,631	10,535	11,418	13,330	8,480	2,092
002-009	201/064	15,471	6,642	4,035	3,456	3,131	3,402	4,744	6,985	7,589	9,593	9,836	3,917
002-009	201/065												
002-009	201/066												
002-009	201/067	1											
002-010	201/076	10,281	8,346	5,672	2,915	2,456	2,851	3,386	6,047	7,365	8,303	7,894	2,865
002-010	201/077	11,035	8,816	9,596	7,331	6,779	5,545	7,661	8,862	11,421	13,341	13,154	4,932
002-011	201/078	9,289	8,729	8,686	6,342	5,172	6,133	5,131	8,113	10,383	11,730	10,258	3,595
002-012	201/080	14,824	13,583	13,701	13,395	11,713	9,422	7,571	10,711	12,692	17,285	16,720	6,297
002-012	201/081	7,386	6,805	7,255	7,340	6,961	5,672	4,660	5,199	4,986	5,759	5,612	2,172
002-012	201/871	14,772	13,515	13,257	11,358	10,550	9,450	7,371	10,890	13,056	17,571	15,914	5,689
002-013	201/094	6,403	5,241	5,007	4,069	3,300	3,014	2,418	4,680	5,480	5,261	3,596	1,113

APPENDIX F MONTHLY ABSTRACTION PER WELL (1996-2000) PHASE 2

Farm No	Well No	Aug98	Sep98	Oct98	Nov98	Dec98	Jan99	Feb99	Mar99	Apr99	May99	Jun99	Jul99
002-014	201/154	5,762	5,419	5,322	4,865	4,577	4,372	4,129	5,159	5,574	6,560	6,270	2,428
002-014	201/155	4,067	4,067	3,491	3,396	3,142	2,759	2,583	3,782	4,582	5,554	5,147	1,955
002-015	201/203	4,412	4,234	3,726	2,651	2,151	2,134	1,785	2,602	2,584	3,019	2,798	974
002-015	201/204	3,056	2,991	2,694	2,069	2,024	2,071	2,189	2,979	3,461	3,769	3,456	1,246
002-015	201/205	3,629	3,410	3,545	2,876	2,019	2,093	2,493	3,447	3,850	4,039	3,503	1,233
002-015	201/206	1,733	2,019	1,983	1,405	1,150	758	789	1,744	2,526	2,562	2,176	780
002-016	201/252	1,549	2,181	2,682	2,143	1,706	1,555	1,776	3,081	2,957	2,590	2,142	738
002-017	201/259		5	8	2								
002-017	201/390	0	0										
002-018	201/306	2,478	1,664	1,168	2,179	2,612	2,559	2,355	3,782	4,901	6,927	7,361	2,725
002-019	201/393	3,747	3,519	3,336	3,299	3,196	3,014	2,335	3,589	4,174	4,542	3,853	1,325
002-020	201/394	11,290	11,088	7,115	6,063	8,074	7,900	4,928	5,811	6,355	7,682	10,360	4,196
002-020	201/395	4,817	4,331	4,092	3,722	3,227	2,450	2,560	1,435	309	6,722	6,123	1,767
002-021	203/227	9,634	8,066	8,123	7,824	6,667	5,174	5,575	7,671	8,974	11,052	10,511	3,775
002-021	203/228	5,805	4,741	4,729	4,353	3,564	2,692	3,272	4,201	4,686	5,784	4,895	1,656
002-022	203/237	12,551	11,551	11,461	9,187	7,481	6,122	7,411	10,697	12,920	13,800	12,754	4,655
002-023	203/240	11,175	8,671	7,833	6,241	5,758	5,519	5,219	7,601	9,473	11,112	11,524	4,336
002-024	211/181	14,379	12,857	13,636	12,106	11,011	11,116	9,531	6,090	11,735	14,798	14,967	15,646
002-025	211/183	5,555	5,408	5,220	5,074	3,711	3,415	3,445	4,585	6,366	7,467	6,623	2,146
002-026	211/185	11,751	9,693	9,128	7,930	7,167	6,218	6,378	7,745	9,325	10,133	11,506	12,337
002-026	211/187	15,004	12,626	11,938	10,275	9,326	9,065	5,595	11,825	16,144	18,926	16,486	5,250
002-026	211/188	18,057	15,245	14,385	12,264	10,946	9,180	8,460	12,288	15,129	18,134	16,134	5,170
002-027	211/194	17,586	15,160	13,433	9,985	8,727	7,456	5,083	6,350	5,879	5,105	11,383	4,595
002-027	211/195	9,207	8,134	7,571	5,177	5,312	5,305	4,687	6,178	6,896	9,594	8,292	2,559
002-027	211/196	25,073	22,456	22,251	18,437	17,401	16,662	14,047	15,866	18,423	27,140	25,536	8,173
002-027	211/197	0											
002-028	211/166												
002-028	211/200	20,226	19,673	18,361	12,860	9,434	8,618	6,902	12,770	17,295	21,887	18,210	5,633
002-028	211/201	14,873	12,571	13,091	9,713	7,171	6,536	5,450	8,950	11,312	14,031	13,216	4,311
002-028	211/202	3,646	2,171	3,034	2,895	2,026	1,948	2,040	3,423	3,850	4,146	3,731	1,208
002-028	211/203	16,051	16,021	14,813	11,637	7,883	7,766	7,419	11,469	15,118	18,185	17,229	5,676
002-028	211/204	17,380	14,483	12,710	10,022	6,774	6,016	4,647	9,949	12,140	14,885	15,350	5,157
002-028	211/205	16,460	13,746	12,162	9,437	6,420	5,659	4,427	9,406	11,588	14,561	15,094	5,072
002-028	211/206	5,315	5,164	5,080	4,151	2,669	2,869	2,970	1,641	3,712	5,907	5,349	1,730
002-029	204/256					4	4						

APPENDIX F MONTHLY ABSTRACTION PER WELL (1996-2000) PHASE 2

Farm No	Well No	Aug98	Sep98	Oct98	Nov98	Dec98	Jan99	Feb99	Mar99	Apr99	May99	Jun99	Jul99
002-029	204/260					3	3						
002-029	204/261	2,050	1,571	553	702	980	279	0	1,156	2,765	5,389	4,153	998
002-030	203/441												
002-030	203/443												
002-031	206/433	996	1,003	789	599	446	283	12	314	935	1,407	1,081	545
002-031	206/434	611	675	468	329	219	264	294	368	300	40	3	1
002-033	211/008	3,591	3,012	2,416	1,454	944	825	456	1,162	3,161	4,168	2,420	925
002-033	211/009	1,576	1,370	1,077	743	481	316	538	703	282	334	674	409
002-034	211/000	2,009	1,226	1,504	1,716	1,581	1,372	1,340	1,765	1,900	2,170	2,168	1,187
002-034	211/001	4,151	2,203	2,464	2,260	1,729	1,334	1,230	1,830	2,008	2,458	2,801	1,674
002-035	211/819	10,028	8,183	7,352	7,413	6,361	5,048	3,929	5,401	6,684	7,116	6,829	3,163
002-035	211/820	6,038	5,376	4,730	4,003	3,995	3,863	2,914	3,586	4,593	5,821	5,509	2,441
002-036	211/420	1,533	1,452	1,372	1,338	1,224	895	589	830	1,331	1,790	1,773	831
002-036	211/421	1,891	1,901	2,074	2,003	1,914	1,904	1,756	1,994	1,990	1,979	1,876	864
002-037	211/434	341	150	139	140	94	73	121	191	195	229	299	161
002-038	211/428	16	14	1,112	1,508	520	2	1	1	0	0		
002-038	211/429	290	798	633	976	1,989	2,521	2,602	4,062	4,716	4,751	3,965	1,615
002-039	211/760	0											
002-039	211/761	4,005	4,009	3,424	2,184	2,317	2,980	2,587	3,717	4,066	3,389	3,113	1,423
002-039	211/763	1,432	1,227	1,051	1,045	1,264	1,549	1,242	1,179	1,492	1,839	1,787	857
002-040	201/645	9,166	8,817	7,137	6,707	6,045	5,721	6,070	8,532	9,579	9,879	9,418	4,359
002-040	201/646	2,581	2,429	4,134	6,675	8,337	9,332	8,007	8,543	9,269	7,306	4,619	1,866
002-040	201/647	367	735	2,205	3,691	4,468	4,658	3,667	2,735	1,292			
002-040	201/648												
002-040	201/650	14,442	13,630	16,514	17,057	15,222	14,286	11,764	10,321	8,746	8,407	9,091	4,202
002-040	201/651	657	577	472	400	457	581	581	653	584	525	496	222
002-040	201/654	10,874	11,249	10,065	9,952	11,380	11,110	8,933	10,558	11,431	11,398	9,876	4,165
002-040	201/655	5	3	2	3	2				0	0		
002-041	203/307	985	900	852	864	895	854	785	1,004	1,123	1,185	1,084	488
002-042	202/938					2	1						
002-042	202/939	3,908	2,774	1,613	1,473	1,998	2,032	1,692	2,098	2,023	2,117	2,009	795
002-042	202/940	446	275	36		2	1						
002-043	203/386	221	160	264	329	318	338	319	384	387	272	87	
002-043	203/387	423	150	3	78	235	411	466	510	633	701	244	
002-044	203/388	4,748	4,177	1,831	3,212	1,347	2,287	950	1,694	3,608	5,690	5,755	2,444

APPENDIX F MONTHLY ABSTRACTION PER WELL (1996-2000) PHASE 2

Farm No	Well No	Aug98	Sep98	Oct98	Nov98	Dec98	Jan99	Feb99	Mar99	Apr99	May99	Jun99	Jul99
002-045	203/390	2,919	2,791	2,688	2,554	2,510	2,291	2,083	3,421	3,016	3,339	3,663	3,348
002-045	203/391	57	48	50	57	41	42	47	68	69	117	93	23
002-045	203/392					3	2						
002-045	203/393	1,926	1,860	1,881	1,565	1,278	987	732	535	602	1,822	1,914	730
002-046	203/373												
002-047	203/350	6,639	5,681	5,491	6,543	7,040	7,677	8,306	10,924	12,133	16,005	13,930	5,312
002-047	203/351	10,671	5,704	4,537	6,710	8,455	7,884	8,561	11,997	13,307	16,567	14,941	6,016
002-048	203/402	1,230	715	716	743	926	915	806	1,022	1,273	1,965	1,702	615
002-048	203/403	2,689	1,349	25	1,921	2,129	1,886	2,035	3,294	4,240	3,739	2,385	837
002-048	203/404	5,007	4,592	4,555	3,371	2,766	2,096	1,712	2,485	3,133	4,310	4,130	1,699
002-049	202/930	502	677	738	701	529	401	389	446	644	646	336	106
002-049	202/931	5,508	4,776	4,853	2,843	2,474	2,805	2,668	3,836	3,007	3,060	3,916	1,667
002-049	202/932	3,685	3,436	3,638	3,424	2,748	4,074	3,755	5,403	6,387	6,802	6,050	2,490
002-050	201/741	1,838	1,918	1,795	1,373	1,293	1,221	1,160	1,838	2,206	2,635	2,428	979
002-050	201/742	362	215	163	76	56	53	60	122	174	206	161	56
002-050	202/743	2,824	2,154	1,633	1,519	2,143	2,327	2,082	3,132	3,776	4,182	3,560	1,387
002-051	201/824	1,332	1,012	750	929	937	773	671	793	626	442	532	248
002-051	201/825	1,052	1,139	814	477	581	533	391	448	363	355	354	136
002-052	204/467	12,005	11,529	11,388	9,305	6,729	5,075	5,498	7,759	9,929	6,804	1,838	1,336
002-052	204/468	4,847	4,450	4,239	3,634	2,964	2,492	2,530	3,186	4,096	4,758	4,546	2,661
002-053	204/442												
002-053	204/443	8,605	6,132	4,203	5,616	4,840	4,922	4,931	7,460	8,723	4,934	2,569	3,989
002-053	204/444	3,148	3,329	3,191	2,804	2,140	1,954	1,792	1,954	1,198	1,128	1,941	1,112
002-053	204/445	4,645	4,301	1,798	1,208	1,622	1,125	1,901	2,688	2,021	2,946	3,533	503
002-053	204/447	4,933	4,818	4,039	3,305	2,812	2,608	2,013	3,046	3,850	4,445	3,883	1,894
002-054	204/419	7,285	8,075	7,857	7,252	3,798	346	996	1,073	997	1,537	1,408	820
002-054	204/420	7,660	6,634	4,946	1,432		1	2	0	2,458	7,390	7,235	4,071
002-055	205/333												
002-055	205/336	4,607	4,766	5,262	3,587	1,317	1,642	2,720	2,843	2,984	3,970	3,296	1,610
002-056	205/255	1,838	2,799	4,312	3,817	2,727	2,327	3,188	4,962	5,408	3,389	1,075	569
002-056	205/256	107	170	361	422	316	282	291	538	932	1,035	683	439
002-057	205/216	1,212	1,037	923	876	954	1,044	1,046	1,213	1,163	1,114	986	518
002-057	205/217	2,965	2,718	2,559	2,431	2,463	2,460	2,386	2,589	1,730	673	581	212
002-057	205/219	4,501	4,260	4,145	4,036	3,867	3,726	3,750	4,499	4,637	4,758	4,260	2,247
002-058	205/206												

APPENDIX F MONTHLY ABSTRACTION PER WELL (1996-2000) PHASE 2

Farm No	Well No	Aug98	Sep98	Oct98	Nov98	Dec98	Jan99	Feb99	Mar99	Apr99	May99	Jun99	Jul99
002-058	205/209												
002-059	205/174	9,272	9,158	10,129	10,311	9,792	9,176	8,725	11,308	11,952	13,814	13,995	8,139
002-059	205/177		128	921	1,106	549	460	1	2	0	0	0	0
002-060	205/195	1,205	1,223	1,195	1,125	1,023	907	838	1,561	2,128	1,800	863	297
002-060	205/196	680	694	719	505	325	293	246	435	661	826	574	263
002-061	205/185	7,694	7,970	9,634	9,220	8,493	7,159	6,769	9,290	10,292	8,555	7,616	4,364
002-061	205/186	7,172	4,997	755	6								
002-062	205/201	2,265	2,139	2,009	1,618	1,407	1,301	1,214	1,675	2,154	2,629	2,733	1,625
002-062	205/202	212	115	91	54	31	22	16	10	27	74	75	40
002-063	205/226	3,813	3,477	3,270	3,183	3,240	2,609	1,149	1,815	3,921	4,466	4,088	2,527
002-063	205/229	3,377	3,014	3,050	2,717	2,494	2,228	2,401	3,687	3,700	3,744	3,485	2,078
002-064	205/198	1,338	989	835	818	974	847	625	1,264	1,454	2,530	3,330	908
002-064	205/199	9,779	8,130	8,316	7,427	6,636	6,468	5,978	6,541	7,537	8,788	9,243	7,492
002-065	211/645	3,805	3,447	3,457	3,252	3,291	3,174	3,030	3,656	3,726	4,189	4,106	2,514
002-065	211/646	1,264	1,137	1,087	762	309	141	251	417	774	1,420	1,528	935
002-066	002/052	2,228	408	2,528	4,727	4,265	3,057	2,808	2,364	3,178	2,565	1,572	780
002-066	002/053	7,679	7,294	7,044	6,079	6,482	6,864	6,384	7,571	7,749	9,019	9,043	6,192
002-066	002/054	3,631	3,343	2,883	1,137	0		89	658	1,867	3,820	3,930	2,606
002-066	002/055	2,658	2,887	2,835	2,764	2,350	1,726	1,770	1,997	2,229	3,228	4,439	3,676
002-066	002/056			92	1,067	2,739	2,303	2,451	2,324	3,410	4,741	4,943	3,245
002-066	002/057	4,076	3,920	4,064	3,782	3,950	3,712	3,137	3,634	3,929	4,266	4,193	2,809
002-066	002/060	3,824	3,555	3,694	3,324	3,403	3,394	3,300	3,540	3,764	4,449	4,396	3,021
002-066	002/061	7,253	6,856	7,064	6,309	6,447	6,475	6,130	6,758	5,134	721	4	
002-067	206/491	6,695	6,575	6,749	6,509	5,634	4,322	3,913	4,785	5,950	7,372	7,858	5,292
002-068	211/625	3,108	2,791	2,835	2,394	2,135	1,567	1,983	2,569	3,201	3,279	3,064	2,131
002-068	211/626	3,013	3,641	3,609	3,099	1,729	376	1,197	2,479	2,334	1,661	766	1,091
002-069	211/784	6,737	6,075	5,242	4,130	3,148	2,567	2,803	3,017	3,514	4,403	4,698	3,221
002-069	211/785	1,236	1,151	1,084	887	653	565	713	1,028	1,244	1,573	1,641	1,087
002-069	211/786	6,755	6,475	6,324	5,511	4,792	4,356	4,872	6,541	7,589	9,067	9,084	5,660
002-069	211/787	68	48	23	9	19	40	56	70	81	86	87	53
002-070	000/003	12,516	11,943	11,862	10,962	9,966	8,376	8,924	10,735	12,144	14,041	13,978	8,493
002-070	211/780	14,386	13,776	13,535	12,281	11,231	9,346	8,941	11,469	14,178	16,060	15,928	9,732
002-071	211/775	4,067	3,836	3,190	2,858	3,035	2,976	2,432	3,091	3,157	3,357	3,544	2,234
002-071	211/776	3,182	3,484	3,623	2,621	2,141	2,003	1,834	2,577	3,389	4,503	4,340	2,372
002-072	211/772	8,669	8,374	8,988	7,696	5,573	4,684	5,285	6,675	7,567	8,645	8,446	4,402

APPENDIX F MONTHLY ABSTRACTION PER WELL (1996-2000) PHASE 2

Farm No	Well No	Aug98	Sep98	Oct98	Nov98	Dec98	Jan99	Feb99	Mar99	Apr99	May99	Jun99	Jul99
002-072	211/773	4,747	4,400	5,286	4,833	3,723	3,174	4,035	5,417	5,206	5,272	5,688	3,603
002-073	211/800	8,367	7,744	7,384	5,715	4,354	3,832	4,157	1,970	582	9,362	9,664	6,161
002-073	211/801	6,576	6,826	6,939	4,297	3,284	2,998	2,836	3,536	5,050	5,658	5,982	4,387
002-074	211/912	4,955	4,896	4,865	3,461	2,816	2,646	2,274	2,804	3,777	4,624	4,704	2,979
002-074	211/913	6,834	6,555	6,758	6,227	5,458	3,949	3,475	5,660	6,632	7,614	7,645	5,128
002-074	211/914	2,716	2,878	3,300	2,695	2,279	2,698	3,864	5,765	6,699	7,858	7,902	4,904
002-075	211/700	3,052	3,065	4,421	4,527	4,146	3,175	3,319	4,241	4,491	3,614	1,837	879
002-075	211/701	7,930	8,459	11,921	12,643	11,411	9,759	8,980	11,336	12,899	13,115	9,531	5,172
002-075	211/704												
002-076	211/720	4,107	3,673	3,428	3,334	2,674	1,644	875	1,120	1,873	2,784	3,318	2,321
002-076	211/722	1,327	1,265	1,168	754	517	553	1,511	3,029	3,013	2,989	2,903	1,856
002-076	211/723	2,057	1,953	1,980	1,724	1,472	1,253	877	588	968	1,319	1,433	991
002-076	211/724	5,977	5,783	6,138	6,000	5,815	5,386	5,440	6,317	5,984	5,844	5,554	3,555
002-076	211/725	2,604	2,475	2,472	2,181	1,935	1,453	1,047	2,361	2,985	3,095	2,918	1,817
002-077	211/726												
002-077	211/727	2,771	3,148	3,532	3,093	2,818	2,716	2,627	3,228	3,440	4,115	4,319	2,687
002-078	211/452	2,687	3,176	3,344	2,972	2,802	2,789	2,636	3,111	3,183	3,034	2,895	2,011
002-078	211/453	2,602	2,294	749	417	1,259	1,050	1,087	1,798	2,336	2,537	2,455	1,645
002-079	211/732	3,227	3,257	2,525	1,759	2,091	2,525	3,081	3,928	4,310	4,484	4,030	2,897
002-079	211/733	11,395	10,430	10,351	10,036	9,341	8,906	8,930	10,984	11,961	14,511	13,988	8,903
002-079	211/734	7,609	6,423	7,532	5,883	715		1	4	176	3,809	7,657	3,832
002-079	211/735	4,944	4,439	4,417	4,412	4,586	4,583	4,692	5,247	5,164	5,403	5,259	3,412
002-079	211/736	7,584	7,530	6,728	6,845	9,369	9,695	9,054	11,287	12,103	11,051	7,448	5,766
002-079	211/737	2,802	2,062	2,232	3,026	2,491	1,167	66	1,046	3,324	4,030	3,044	1,168
002-079	211/738												
002-080	211/706	6	4										
002-080	211/707	9,739	8,484	9,155	8,536	7,347	6,176	7,059	8,821	10,441	11,946	11,340	7,533
002-081	211/742	10,315	9,439	9,499	8,666	8,179	7,739	6,441	8,199	9,251	5,311	0	0
002-081	211/743	5,690	5,170	5,173	4,825	4,900	4,937	4,392	5,665	6,576	6,985	6,177	3,692
002-082	211/740	13,288	12,900	13,019	10,723	8,492	7,102	6,574	8,436	10,781	11,981	12,067	7,895
002-083	211/881	4,258	3,529	3,106	1,859	1,612	745	1,398	1,645	2,947	4,589	4,648	4,146
002-083	211/883	3,478	2,885	2,556	1,591	1,383	658	1,232	1,434	2,522	3,842	3,676	3,325
002-083	211/884								0	53	578	691	48
002-083	211/886	3,934	4,090	3,806	2,714	2,381	1,736	2,191	2,747	1,790	4,337	4,375	4,246
002-083	211/887	2,734	2,205	2,112	1,698	1,628	1,031	1,332	1,333	2,962	3,794	3,870	3,059

APPENDIX F MONTHLY ABSTRACTION PER WELL (1996-2000) PHASE 2

Farm No	Well No	Aug98	Sep98	Oct98	Nov98	Dec98	Jan99	Feb99	Mar99	Apr99	May99	Jun99	Jul99
002-084	211/874	17,517	14,675	15,178	9,524	7,735	7,147	5,682	8,503	12,336	14,706	13,861	8,140
002-084	211/875	5,006	3,294	2,706	2,080	1,259	1,201	547	691	1,409	652	61	13
002-084	211/876	20,010	19,316	20,763	20,036	21,169	21,301	19,152	19,208	18,801	19,605	18,780	12,350
002-084	211/877		0	0									
002-086	211/895	7,085	8,606	8,060	7,267	6,737	4,883	4,776	7,966	10,313	12,842	13,779	10,134
002-086	211/896	7,503	7,931	7,512	6,600	6,019	4,791	4,444	4,392	5,572	4,860	2,711	2,769
002-087	211/749	16,978	15,518	16,515	14,997	14,593	14,903	13,973	16,472	17,238	17,696	16,764	10,671
002-088	000/005	5,853	5,423	4,990	4,808	4,344	4,115	4,522	5,230	6,751	7,202	5,936	4,285
002-088	211/599	13,177	11,335	10,809	8,505	6,164	5,716	5,730	7,123	9,877	12,928	12,888	10,013
002-088	211/600	171	156	159	113	116	101	90	173	279	230	182	149
002-089	211/579	9,333	6,047	6,324	5,947	5,532	5,223	4,542	6,129	9,352	11,823	12,905	9,858
002-089	211/581	6,598	5,124	5,728	5,360	4,209	4,051	2,697	4,996	8,842	11,293	11,465	9,439
002-089	211/582	5,462	4,997	5,051	5,496	5,311	4,977	4,529	6,013	7,867	9,800	11,036	9,358
002-089	211/583	6,566	5,206	5,300	5,059	3,792	3,710	2,252	90	215	19	0	
002-089	211/584	7,409	5,546	6,034	6,116	5,493	4,724	3,865	4,411	8,013	9,722	9,126	6,760
002-090	211/601		0	2,150	9,188	9,995	11,359	9,913	11,735	15,532	17,552	15,573	13,927
002-090	211/602	3,299	6,232	7,032	9,931	8,879	9,458	7,227	8,101	11,448	14,026	8,600	3,750
002-090	211/603	19,867	17,950	17,709							345	4,418	10,725
002-091	211/609	4,742	6,347	6,762	5,667	4,663	4,010	4,050	4,235	6,049	6,780	5,824	3,788
002-091	211/612	3,582	6,727	10,810	11,268	10,122	8,806	8,731	8,558	11,616	12,146	11,521	7,622
002-091	211/613	904	181	16	50	377	1,090	0	1	761	2,760	2,213	
002-092	211/575	11,050	13,137	15,435	10,533	9,150	5,620	4,209	7,391	11,539	11,894	10,722	6,555
002-092	211/576	6,153	4,623	1,761	4,799	2,225	3,985	5,402	5,957	7,630	7,716	6,882	4,383
002-092	211/577	6											
002-092	211/578	7,808	7,960	8,003	6,388	5,353	4,219	2,007	2,637	1,987	3,053	2,660	2,150
002-093	211/604	2,407	2,330	2,407	2,544	3,356	3,416	3,622	4,881	4,723	5,010	5,142	4,103
002-094	211/666	5,207	5,506	5,544	4,626	4,626	4,205	4,482	6,093	7,096	7,393	6,844	6,227
002-095	211/650	8,128	8,014	5,227	3,674	3,888	5,527	5,461	8,948	13,627	15,574	14,342	12,612
002-095	211/651	15,311	13,853	15,188	14,659	14,339	10,827	8,920	12,469	14,115	15,975	15,592	13,492
002-096	206/388	17,719	13,654	15,710	10,806	7,905	6,778	6,032	7,583	11,507	14,859	13,874	12,605
002-096	206/413	14,255	9,640	3,614	7,903	6,589	5,721	5,294	6,554	9,823	12,506	11,564	10,372
002-097	000/001	9,628	9,304	8,698	7,094	6,776	5,598	5,896	7,817	9,259	12,185	12,759	9,681
002-097	206/401	419	267	74	155	376	348	388	676	827	1,022	635	77
002-098	206/381	11,927	9,509	10,323	8,788	8,968	8,225	7,715	9,287	10,203	10,735	10,653	8,639
002-098	206/382	11,677	10,527	9,736	8,946	7,924	8,267	7,731	8,046	9,697	10,247	9,977	8,144

APPENDIX F MONTHLY ABSTRACTION PER WELL (1996-2000) PHASE 2

Farm No	Well No	Aug98	Sep98	Oct98	Nov98	Dec98	Jan99	Feb99	Mar99	Apr99	May99	Jun99	Jul99
002-098	206/383	6,353	6,019	6,582	6,356	7,089	7,037	7,277	8,139	8,995	8,806	9,193	6,137
002-099	206/377	6,715	5,728	5,586	5,055	4,675	3,718	2,853	4,286	5,175	5,891	5,335	4,097
002-099	206/378	5,490	5,301	5,454	4,842	4,107	3,072	3,009	3,686	4,207	4,427	4,255	3,602
002-099	206/406	2,332	2,186	2,530	2,096	1,824	2,784	3,316	4,091	5,268	5,988	5,655	4,649
002-100	211/677	11,401	8,757	7,906	6,231	5,753	4,717	4,832	6,207	7,281	8,416	8,229	7,099
002-100	211/678	12,716	7,239	9,845	7,614	6,708	5,464	4,584	7,242	10,714	12,149	13,005	11,454
002-100	211/679	15,555	12,655	10,995	6,847	4,787	4,732	3,837	6,360	10,233	12,435	12,526	11,657
002-100	211/680	10,080	7,122	5,432	7,578	6,195	5,143	4,747	7,775	9,682	11,408	11,353	9,992
002-100	211/681	14,521	13,498	12,876	9,396	8,821	7,688	7,657	10,519	12,210	14,060	14,189	11,883
002-101	204/206	18,243	17,345	18,509	17,283	16,740	13,412	11,340	15,451	17,716	16,241	11,986	6,661
002-102	204/200	8,320	7,229	6,236	4,055	3,230	2,820	2,774	3,658	4,686	5,518	5,710	4,584
002-103	201/680	119	60	71	39	27	44						
002-104	201/657	8,783	7,352	8,876	6,921	4,299	3,510	4,074	5,595	7,832	8,693	7,280	5,858
002-104	201/658	4,871	4,136	3,979	2,649	1,655	2,168	2,641	3,431	4,035	4,664	4,470	3,620
002-104	201/659												
002-104	201/660	4,968	4,274	4,787	3,464	2,165	1,681	2,263	3,136	4,300	4,603	4,627	3,781
002-105	211/500	1,595	1,238	640	173	75	290	692	830	1,077	1,585	2,453	2,202
002-105	211/501	1,582	792	768	1,078	985	899	931	1,408	1,034	1,179	999	572
002-105	211/502					0	0		0	0	1	0	
002-106	000/004												
002-106	201/720												
002-106	201/721												
002-106	201/723												
002-106	201/725												
002-106	201/726												
002-107	000/002	4,882	4,403	4,094	3,784	3,866	3,464	4,048	3,900	3,834	4,303	3,911	2,284
002-108	201/677	10,469	8,921	8,853	8,768	9,155	8,706	8,967	8,411	9,534	10,474	11,119	8,586
002-108	201/678	6,256	6,539	4,860	3,735	2,394	3,984	4,358	4,438	3,142	3,920	4,186	2,048
002-108	201/679					0	0						
002-109	206/360	4,960	4,440	3,877	3,756	4,088	1,730	3,912	4,425	5,064	5,510	5,366	4,426
002-110	201/697	15	16	14	22	26	28	27	26	19	20	13	10
002-110	201/698	15,326	13,720	12,061	9,641	10,020	10,339	9,711	10,129	15,221	16,102	14,655	11,835
002-110	201/699	12,520	10,985	10,198	9,465	9,940	9,260	9,090	10,654	11,264	12,143	12,356	11,840
002-111	000/006	5,010	4,169	4,154	3,472	2,480	1,748	2,225	2,673	3,178	4,195	3,292	1,916
002-111	206/363												

APPENDIX F MONTHLY ABSTRACTION PER WELL (1996-2000) PHASE 2

Farm No	Well No	Aug98	Sep98	Oct98	Nov98	Dec98	Jan99	Feb99	Mar99	Apr99	May99	Jun99	Jul99
002-111	206/364		5	61	296	1,012	729	1,127	1,166	2,243	2,403	2,894	3,867
002-111	206/375												
002-112	206/361	7,773	6,271	5,339	4,541	5,096	3,765	3,581	3,470	3,973	5,629	6,595	7,305
002-112	206/362	10,775	8,918	7,848	5,626	5,698	4,751	5,439	5,816	8,471	8,989	7,060	6,522
002-112	206/373	14,753	12,558	10,723	8,731	7,555	5,361	6,648	7,418	11,634	15,048	14,607	12,509
002-112	206/374	13,457	10,443	9,334	7,263	6,577	4,936	5,246	6,492	11,951	13,957	13,408	10,971
002-113	204/713												
002-113	204/719	2,482	493		0	2	0	26	760	1,986	1,169	1,731	1,788
002-113	204/721	6,949	6,143	8,077	6,600	3,436	1,108	1,994	2,663	3,368	1,997	4,406	4,553
002-113	204/722	10,129	8,546	10,047	9,782	7,528	3,254	3,386	2,625	2,179	1,863	3,054	3,156
002-114	204/728	3,296	4,679	4,366	2,286	2,607	2,553	2,751	2,978	3,441	3,823	3,952	3,248
002-114	204/729	4,046	5,856	4,587	4,463	3,030	3,003	2,898	2,896	3,332	4,523	4,306	4,647
002-114	204/730	3,109	4,278	3,574	3,105	2,880	1,716	1,785	1,888	2,446	3,361	3,276	2,421
002-114	204/732	3,418	3,689	3,907	3,105	2,375	1,758	1,657	2,154	2,458	3,037	3,231	2,404
002-115	204/752	707	295	163	245	340	244	395	592	373	458	486	

APPENDIX F MONTHLY ABSTRACTION PER WELL (1996-2000) PHASE 2

Farm No	Well No	May_99	Jun_99	Jul_99	Aug_99	Sep_99	Oct_99	Nov_99	Dec_99	Jan_00	Feb_00	Mar_00	Apr_00	Total
001-001	211/909	8,454	7,952	8,095	8,550	7,665	6,215	5,112	4,437	4,373	4,342	6,125	6,471	77,792
001-001	211/910	5,669	5,023	4,849	5,266	3,754	5,434	3,382	3,094	2,678	2,584	2,726	4,895	49,354
001-003	205/326	5,949	7,024	1,799	63	0	0	4,028	3,754	231		0	1,733	24,582
001-003	205/327	13,353	12,760	12,890	13,013	10,792	6,227	6,862	6,347	6,083	5,529	7,229	6,284	107,367
001-003	205/328													0
001-003	205/329													0
001-003	205/330	1,899	114							657	1,144	1,761	1,593	7,168
001-004	211/627	6,862	6,158	5,578	5,280	4,814	5,219	4,662	4,571	4,581	4,041	5,781	5,879	63,427
001-004	211/628	7,801	6,883	6,879	6,037	5,216	5,474	5,082	4,843	4,726	4,917	5,775	6,347	69,979
001-005	205/319	4,595	4,446	4,776	4,502	4,407	4,401	4,191	3,216	2,148	845	1,529	1,820	40,877
001-005	205/320	6,224	5,827	5,693	5,312	4,138	526	249	65		2,278	3,389	3,748	37,447
001-005	205/321	1,642	578	69			657	682	440	860	1,002	875	324	7,129
001-005	205/322	1,293	1,948	2,265	994	1,878	2,056	1,333	745	1,357	1,429	1,557	1,708	18,563
001-005	205/324	1,909	1,819	1,248	774	492	373	35		254	549	1,026	1,034	9,513
001-005	205/325	4,681	4,322	4,939	4,407	700	0				194	1,890	3,642	24,776
001-006	211/714	3,918	3,136	3,276	3,645	3,202	3,328	2,985	2,833	2,998	2,874	1,548	121	33,863
001-006	211/715	5,317	4,821	5,015	5,207	4,311	3,888	3,428	3,141	3,291	3,305	4,168	4,886	50,778
001-006	211/716	136	2,094	2,001	1,036	616	319	156	78	31	4	1,893	4,055	12,421
001-007	204/183	4,164	3,923	4,083	3,845	2,260	2,696	2,514	2,173	2,159	2,144	2,698	3,549	36,209
001-007	204/952	9,946	9,298	9,681	8,996	8,023	8,353	7,004	6,155	6,516	6,370	7,372	9,245	96,958
001-008	201/433	3,497	3,678	4,304	4,060	3,141	3,794	3,498	3,498	3,525	3,624	4,597	4,755	45,970
001-008	201/434	9,838	8,846	9,138	9,034	8,282	8,951	8,348	7,791	8,522	7,655	9,362	10,598	106,364
001-009	211/402	5,719	6,337	4,221	5,608	5,162	4,519	4,438	3,614	4,277	4,428	4,451	4,921	57,695
001-009	211/403	5,917	5,676	4,570	5,207	1,472	91							22,933
001-010	211/413	3,804	3,339	3,317	3,499	3,340	3,236	2,832	2,979	3,029	2,812	3,058	3,359	38,604
001-010	211/414	3,397	3,090	3,094	3,188	2,960	3,184	2,538	2,806	3,099	2,774	3,098	3,154	36,381
001-011	211/813													0
001-011	211/814	14,257	12,415	12,915	11,239	8,454	8,333	8,245	6,085	7,083	7,097	9,668	12,205	117,996
001-011	211/908			0	0									0
001-012	205/290	5,608	5,430	5,880	4,809	3,242	805	3,188	1,083	34			7,257	37,337
001-012	205/291	6,072	6,188	6,387	6,539	6,040	7,362	4,766	4,400	6,047	5,617	6,297	616	66,330
001-012	205/293					1	0							1
001-013	204/141	2,825	2,462	2,579	2,556	2,058	2,027	1,982	1,619	1,337	759	146		20,348
001-013	204/142	7,741	7,169	7,733	7,389	6,675	6,887	6,454	4,824	5,322	4,724	4,947	1,739	71,604
001-013	204/143	16,091	14,718	15,711	14,997	14,012	14,441	13,158	11,308	11,238	10,577	12,085	13,136	161,471
001-013	204/146	3,743	3,481	3,910	3,070	2,904	3,789	3,063	2,315	2,193	2,373	2,913	3,676	37,431
001-013	204/147	1,869	4,634	5,848	5,383	5,043	5,206	4,723	4,312	4,081	3,931	4,491	4,873	54,393

APPENDIX F MONTHLY ABSTRACTION PER WELL (1996-2000) PHASE 2

Farm No	Well No	May_99	Jun_99	Jul_99	Aug_99	Sep_99	Oct_99	Nov_99	Dec_99	Jan_00	Feb_00	Mar_00	Apr_00	Total
001-013	204/148	5,441	5,806	6,088	5,701	4,666	4,398	4,005	3,543	4,168	4,060	4,482	6,457	58,815
001-013	204/149	9,464	8,150	8,574	6,553	6,838	7,809	6,698	5,999	5,701	3,640	3,662	3,558	76,647
001-013	204/150													0
001-013	204/151	12,450	10,941	11,052	10,705	9,994	9,138	2,290	4,418	7,270	6,438	7,894	8,933	101,523
001-015	201/475	2,792	2,538	2,211	2,164	2,545	2,834	2,680	2,568	2,320	2,402	2,870	2,820	30,744
001-015	201/476	1,786	1,474	781	1,204	1,498	1,856	1,405	1,166	1,067	1,325	2,006	2,028	17,597
001-015	201/477	1,201	1,057	697	560	521	657	728	913	1,135	788	1,004	1,158	10,419
001-016	203/111	857	523	423	604	751	868	828	901	952	560	370	210	7,847
001-016	203/112	6	5	3	48	41	15	3	0				0	121
001-017	201/229	7,076	4,533	4,244	3,062	4,379	5,609	4,651	3,167	4,685	3,333	4,157	2,314	51,210
001-017	201/332	11,850	7,886	6,260	4,556	6,927	9,507	7,244	5,852	8,293	6,760	8,069	3,479	86,684
001-018	203/185	6,833	7,201	6,123	6,086	5,597	4,749	4,656	2,893	3,545	4,789	7,220	8,468	68,162
001-018	203/273	7,362	7,409	5,755	5,719	5,120	5,666	5,336	4,600	4,848	4,764	6,483	6,699	69,761
001-019	204/124	11,293	8,134	10,586	9,599	9,629	9,312	7,039	6,692	8,943	7,331	9,605	9,855	108,018
001-019	204/125	9,637	9,111	9,162	9,195	7,812	8,696	6,313	5,914	6,824	4,908	6,854	7,320	91,746
001-019	204/126	7,444	6,781	7,133	6,528	6,055	6,025	5,477	5,200	5,235	4,556	5,562	6,258	72,255
001-020	201/100	8,712	6,963	7,254	6,436	6,792	8,782	8,178	7,404	7,651	6,912	8,721	8,987	92,792
001-020	201/101													0
001-021	206/276	17,932	16,756	19,603	18,019	16,627	2,750		12,630	17,866	16,068	17,541	16,122	171,915
001-021	206/277	11,663	9,903	11,166	10,135	9,047	10,890	10,679	10,671	7,807	8,500	10,178	9,456	120,096
001-021	206/278	14,654	8,970	5,536	16,065	16,962	11,852	10,185	17,336	12,251	15,457	20,734	19,949	169,953
001-022	211/261	3,463	3,339	3,944	3,550	2,575	2,959	3,182	2,793	3,309	3,280	3,694	4,036	40,123
001-022	211/262	2,602	2,100	1,989	2,742	2,155	1,802	1,090	591	654	606	701	1,231	18,263
001-023	204/060	4,644	3,982	4,584	5,868	5,767	6,224	6,195	6,617	5,504	5,509	6,859	6,916	68,670
001-024	201/184	13,916	13,337	14,545	13,802	12,208	12,723	11,590	9,877	9,921	9,654	10,959	12,349	144,880
001-024	201/185	16,178	15,553	13,074	2,987	16,362	16,445	14,851	14,819	15,384	14,522	16,338	17,035	173,548
001-024	201/186	7,456	8,448	12,569	11,092	8,364	9,597	7,157	6,730	7,233	5,934	8,917	8,698	102,195
001-024	201/187	2,225	2,357	2,844	2,443	2,319	2,206	1,998	1,476	1,595	1,803	1,754	2,343	25,360
001-025	206/543	16,303	22,777	23,562	23,465	19,169	18,878	16,348	14,151	16,173	18,190	18,750	15,487	223,254
001-025	206/544	4,285	1,656	1,877	1,536	1,013	1,370	1,553	1,503	1,270	1,130	1,206	4,166	22,566
001-025	206/545													0
001-026	201/671													0
001-026	201/672													0
001-026	201/673													0
001-027	205/266	267	66	23	28	725	1,100	961	360	264	669	1,058	956	6,477
001-027	205/267	35	37	40	40	18	18	17	13	14	15	18	23	289
002-001	002/120	7,253	7,123	8,546	9,035	8,141	7,797	6,790	5,881	3,175	4,178	5,705	6,341	79,964

APPENDIX F MONTHLY ABSTRACTION PER WELL (1996-2000) PHASE 2

Farm No	Well No	May_99	Jun_99	Jul_99	Aug_99	Sep_99	Oct_99	Nov_99	Dec_99	Jan_00	Feb_00	Mar_00	Apr_00	Total
002-001	002/121	5,205	3,619	3,234	4,098	4,211	4,572	4,013	3,431	4,297	3,696	3,936	3,993	48,306
002-001	002/122	2	2	2	1	1	0	0	0	0	0			8
002-002	201/000	17,150	18,033	14,851	13,482	11,819	13,647	12,479	9,853	8,883	7,295	11,760	16,375	155,628
002-002	201/002	14,151	9,647	7,515	10,686	11,072	7,942	3,793	2,989	4,345	6,387	7,669	7,321	93,517
002-002	201/012						0	0						0
002-003	201/001	7,552	6,321	5,123	4,159	4,154	4,584	3,902	4,140	4,985	5,110	5,361	4,691	60,083
002-003	201/004	1,300	698	228	13	6	1	1	7	7	2	1		2,264
002-004	201/006	8,068	7,334	8,033	7,133	5,341	5,162	4,764	4,414	4,696	5,128	5,694	6,105	71,872
002-004	201/007	10,844	9,727	9,858	8,789	7,467	7,014	5,935	5,594	5,744	5,825	7,282	8,357	92,435
002-004	201/008	4,649	4,595	4,182	3,606	3,491	3,480	2,949	2,995	3,705	4,256	4,948	5,711	48,568
002-004	201/009	9,096	8,763	8,876	8,132	7,375	7,312	6,434	6,394	7,302	7,935	9,191	9,871	96,681
002-005	201/014	6,043	6,103	6,647	6,144	5,255	5,244	5,174	4,837	4,753	4,827	5,443	6,467	66,938
002-006	000/008	4,687	4,961	5,357	5,370	5,089	5,800	5,188	4,059	3,670	4,095	5,013	5,348	58,636
002-006	201/016	6,924	6,450	6,661	6,611	5,780	6,376	6,089	4,689	2,026			3,993	55,599
002-006	201/017													0
002-007	201/043	12,376	10,887	10,809	10,433	8,633	6,622	4,743	4,195	5,067	5,352	6,555	8,124	93,796
002-007	201/047	3,619	2,786	3,171	5,297	5,605	5,914	4,777	3,776	3,741	3,949	4,850	5,838	53,322
002-007	201/048	5,764	6,293	5,760	4,408	3,612	3,346	3,284	3,268	3,256	3,433	4,043	5,011	51,479
002-008	201/060					25	43	41	43	43	40	54	329	617
002-008	201/061					527	907	878	907	907	848	2,857	3,242	11,072
002-009	000/007	8,734	8,235	8,651	6,902	4,576	2,459	745	1,021	1,450	1,531	4,558	4,653	53,515
002-009	000/009													0
002-009	000/010	13,330	8,480	15,485	17,210	11,912	9,128	7,284	5,346	3,685	3,495	6,961	6,509	108,825
002-009	201/064	9,593	9,836	8,821	8,065	6,724	4,360	2,928	2,593	3,124	2,447	648		59,140
002-009	201/065													0
002-009	201/066													0
002-009	201/067													0
002-010	201/076	8,303	7,894	8,268	8,548	7,509	5,806	4,149	3,865	4,071	3,155	4,229	4,673	70,469
002-010	201/077	13,341	13,154	11,859	11,504	9,882	10,056	7,452	6,878	6,241	4,202	7,315	8,843	110,729
002-011	201/078	11,730	10,258	10,161	10,144	3,874	147	4,549	6,753	6,711	6,127	8,126	9,626	88,206
002-012	201/080	17,285	16,720	14,797	14,803	13,403	14,425	13,517	13,731	13,890	12,607	14,638	14,713	174,528
002-012	201/081	5,759	5,612	5,662	5,283	4,512	4,546	4,478	3,859	3,562	3,386	3,283	3,349	53,293
002-012	201/871	17,571	15,914	14,407	14,971	13,644	14,738	14,948	15,093	14,295	6,565	6,148	12,721	161,017
002-013	201/094	5,261	3,596	2,200	644	147	74	56	52	71	30	3	4	12,137
002-014	201/154	6,560	6,270	6,326	5,959	5,089	4,402	3,627	2,968	2,745	3,904	5,469	5,799	59,118
002-014	201/155	5,554	5,147	5,031	4,381	3,375	3,237	2,865	2,158	1,914	3,164	4,993	5,222	47,039
002-015	201/203	3,019	2,798	2,565	2,171	1,671	1,560	1,445	1,406	1,451	1,240	2,705	4,219	26,252

APPENDIX F MONTHLY ABSTRACTION PER WELL (1996-2000) PHASE 2

Farm No	Well No	May_99	Jun_99	Jul_99	Aug_99	Sep_99	Oct_99	Nov_99	Dec_99	Jan_00	Feb_00	Mar_00	Apr_00	Total
002-015	201/204	3,769	3,456	3,261	3,228	2,990	3,121	2,807	2,153	2,154	2,336	4,445	8,154	41,874
002-015	201/205	4,039	3,503	2,770	3,004	3,036	3,455	2,860	2,283	2,239	1,765	2,734	5,373	37,061
002-015	201/206	2,562	2,176	2,007	2,003	1,880	2,039	1,711	1,387	1,510	881	677	3,308	22,140
002-016	201/252	2,590	2,142	2,115	1,982	1,754	2,024	1,794	1,674	1,690	1,508	1,868	2,240	23,381
002-017	201/259													0
002-017	201/390													0
002-018	201/306	6,927	7,361	8,025	6,532	6,971	6,929	5,136	3,561	3,867	5,000	6,145	6,422	72,875
002-019	201/393	4,542	3,853	3,702	3,496	3,291	3,231	2,844	2,758	2,864	2,642	3,257	3,406	39,886
002-020	201/394	7,682	10,360	11,767	10,505	7,128	7,076	6,951	6,195	6,472	7,764	10,103	10,004	102,006
002-020	201/395	6,722	6,123	5,129	4,919	4,708	4,703	3,981	3,633	3,778	3,717	4,510	4,664	56,587
002-021	203/227	11,052	10,511	10,740	10,524	8,495	8,081	8,062	7,757	6,898	6,740	8,706	9,583	107,149
002-021	203/228	5,784	4,895	5,447	5,773	4,475	5,032	5,122	4,450	4,189	3,922	4,443	4,846	58,379
002-022	203/237	13,800	12,754	13,570	12,442	9,823	10,341	9,792	9,831	10,177	8,739	10,768	12,893	134,930
002-023	203/240	11,112	11,524	11,179	10,802	9,325	8,238	8,108	7,536	7,180	7,009	9,423	9,671	111,108
002-024	211/181						5,754	9,389	8,976	8,273	8,169	10,939	11,525	63,025
002-025	211/183	7,467	6,623	7,291	6,413	5,174	5,467	4,071	3,684	3,494	3,526	5,413	5,727	64,351
002-026	211/185	174	190	101	175	91	205	6,702	7,098	5,909	5,426	6,577	7,398	40,045
002-026	211/187	18,926	16,486	18,377	16,555	14,091	10,663	3,344	5,982	9,803	9,805	10,589	12,038	146,658
002-026	211/188	18,134	16,134	14,828	14,964	13,647	12,198	12,768	11,649	10,432	9,877	11,662	13,361	159,653
002-027	211/194	5,105	11,383	25,192	11,713	13,375	16,806	16,384	14,614	13,321	12,985	22,280	26,806	189,964
002-027	211/195	9,594	8,292	9,563	5,976	1,150	2,409	5,086	5,144	4,609	4,524	7,694	9,241	73,281
002-027	211/196	27,140	25,536	9,113	20,112	20,014	13,842	10,548	8,716	7,771	7,401	13,351	14,375	177,920
002-027	211/197						3	1						4
002-028	211/166													0
002-028	211/200	21,887	18,210	24,237	21,370	15,496	15,029	11,826	10,436	10,336	10,997	18,232	21,306	199,362
002-028	211/201	14,031	13,216	13,939	10,717	8,381	8,470	8,255	7,326	6,947	7,266	10,499	13,612	122,659
002-028	211/202	4,146	3,731	4,738	4,474	2,871	2,439	2,342	2,040	2,026	2,264	3,359	3,803	38,233
002-028	211/203	18,185	17,229	12,148	10,060	11,679	12,362	10,970	9,018	8,610	9,058	11,976	14,678	145,972
002-028	211/204	14,885	15,350	16,038	13,232	12,633	10,875	8,090	2,986	4,242	6,092	1,513	9,741	115,677
002-028	211/205	14,561	15,094	15,781	4,080	9,372	10,881	8,108	5,973	6,419	8,295	10,209	14,201	122,974
002-028	211/206	5,907	5,349	6,163	6,249	4,513	3,890	3,083	2,904	2,927	3,380	5,242	5,761	55,370
002-029	204/256													0
002-029	204/260				0	0								0
002-029	204/261	5,389	4,153	2,645	3,563	3,380	3,514	3,278	3,228	3,239	2,571	3,033	4,380	42,373
002-030	203/441													0
002-030	203/443													0
002-031	206/433	1,407	1,081	1,266	1,404	1,012	1,019	1,047	807	691	644	495	950	11,823

APPENDIX F MONTHLY ABSTRACTION PER WELL (1996-2000) PHASE 2

Farm No	Well No	May_99	Jun_99	Jul_99	Aug_99	Sep_99	Oct_99	Nov_99	Dec_99	Jan_00	Feb_00	Mar_00	Apr_00	Total
002-031	206/434	40	3	53	63	31	41	149	442	694	689	800	840	3,846
002-033	211/008	4,168	2,420	1,149	1,214	1,115	216	355	568	327	920	1,840	2,816	17,108
002-033	211/009	334	674	529	447	599	854	569	1	0	0			4,008
002-034	211/000	2,170	2,168	2,297	2,178	1,710	1,540	1,448	1,450	1,399	2,000	2,716	2,563	23,637
002-034	211/001	2,458	2,801	3,181	3,030	2,638	2,531	2,337	2,223	1,947	1,436	979	1,567	27,129
002-035	211/819	7,116	6,829	7,419	7,463	6,404	6,329	5,494	4,633	4,039	3,707	4,928	5,009	69,369
002-035	211/820	5,821	5,509	5,680	5,396	4,306	4,217	3,786	3,612	4,044	4,191	5,458	6,216	58,236
002-036	211/420	1,790	1,773	1,646	1,504	1,712	1,810	1,198	725	837	996	1,413	2,003	17,408
002-036	211/421	1,979	1,876	2,059	2,208	2,205	2,131	1,978	2,024	1,847	1,584	1,728	1,390	23,007
002-037	211/434	229	299	267	133	153	103	63	85	49	56	88	123	1,646
002-038	211/428	0												0
002-038	211/429	4,751	3,965	3,908	3,907	3,997	4,441	4,062	4,003	3,691	3,147	4,497	5,659	50,028
002-039	211/760													0
002-039	211/761	3,389	3,113	3,288	3,615	2,602	3,209	2,614	1,259	1,562	2,009	3,396	4,038	34,095
002-039	211/763	1,839	1,787	1,706	1,652	1,070	268	648	1,019	903	1,046	1,233	1,559	14,731
002-040	201/645	9,879	9,418	9,083	9,269	8,244	7,058	3,299						56,250
002-040	201/646	7,306	4,619	4,734	4,748	3,923	4,086	3,744	3,404	3,749	3,967	5,196	6,006	55,481
002-040	201/647													0
002-040	201/648													0
002-040	201/650	8,407	9,091	5,169	797	0	0	2,527	5,116	5,610	5,513	6,469	7,375	56,074
002-040	201/651	525	496	525	597	393	87	1	3	3	0	0	0	2,630
002-040	201/654	11,398	9,876	8,717	8,817	7,796	7,483	6,402	5,606	6,284	5,184	3,181	1,695	82,439
002-040	201/655	0		0	0	122	261	270	323	367	553	1,439	2,052	5,387
002-041	203/307	1,185	1,084	1,111	1,046	968	907	862	1,044	1,193	1,136	1,295	1,239	13,069
002-042	202/938													0
002-042	202/939	2,117	2,009	1,342	942	3,765	1,889	1,626	1,708	1,687	1,635	1,947	1,896	22,563
002-042	202/940													0
002-043	203/386	272	223	248	217	273	429	395	274	270	253	257	451	3,562
002-043	203/387	701	691	814	763	980	768	394	429	295				5,834
002-044	203/388	5,690	5,755	5,784	5,323	4,561	4,178	3,676	3,611	3,504	3,419	4,712	4,020	54,234
002-045	203/390			215	1,423	874	28	2						2,542
002-045	203/391	117	93	36	35	1,980	1,621	184	22	27	37	108	662	4,923
002-045	203/392													0
002-045	203/393	1,822	1,914	1,858	1,670	1,390	788	344	299	306	341	563	620	11,916
002-046	203/373													0
002-047	203/350	16,005	13,930	10,863	8,520	3,252	1,757	4,793	6,131	4,891	4,152	5,751	7,348	87,393
002-047	203/351	16,567	14,941	12,702	12,046	12,215	13,350	6,521	33	1,143	4,619	8,501	10,799	113,439

APPENDIX F MONTHLY ABSTRACTION PER WELL (1996-2000) PHASE 2

Farm No	Well No	May_99	Jun_99	Jul_99	Aug_99	Sep_99	Oct_99	Nov_99	Dec_99	Jan_00	Feb_00	Mar_00	Apr_00	Total
002-048	203/402	1,965	1,702	1,479	1,230	662	318	361	553	661	616	581	573	10,700
002-048	203/403	3,739	2,385	1,968	1,232	594	311	271	235	145	150	213	245	11,488
002-048	203/404	4,310	4,130	2,102	1,966	2,648	2,095	1,699	1,444	2,021	2,575	2,479	2,357	29,825
002-049	202/930	646	336	198	384	497	573	441	294	346	576	663	603	5,558
002-049	202/931	3,060	3,916	3,054	1,845	1,581	921	236	74	111	1,839	4,255	4,905	25,798
002-049	202/932	6,802	6,050	6,000	5,961	5,505	5,471	5,208	4,826	4,563	4,655	4,512	1,678	61,232
002-050	201/741	2,635	2,428	2,069	1,888	1,696	1,709	1,918	2,184	2,201	2,083	2,643	3,078	26,534
002-050	201/742	206	161	182	209	103	202	175	33	19	43	127	261	1,721
002-050	202/743	4,182	3,560	2,945	2,715	2,249	2,139	2,225	2,011	1,855	1,968	2,608	3,568	32,025
002-051	201/824													0
002-051	201/825	355	354	216	49									974
002-052	204/467	6,804	1,838	4,731	10,957	12,832	10,601	7,265	5,957	6,210	7,180	8,739	7,459	90,572
002-052	204/468	4,758	4,546	4,607	3,668	1,536	37	211	887	1,574	1,698	2,559	2,797	28,878
002-053	204/442										1	2		3
002-053	204/443	4,934	2,569	8,501	6,432	1,088	48	0	1	5	10	3	144	23,735
002-053	204/444	1,128	1,941	1,894	1,732	1,490	1,406	1,183	886	551	445	292	164	13,112
002-053	204/445	2,946	3,533	2,583	4,686	3,360	1,334	227		419	1,774	2,031	2,297	25,191
002-053	204/447	4,445	3,883	3,468	3,332	5,409	8,720	7,174	6,177	4,648	5,551	6,237	7,251	66,294
002-054	204/419	1,537	1,408	1,207	814	652	570	505	690	869	507	282	184	9,224
002-054	204/420	7,390	7,235	7,426	7,592	6,900	7,276	7,136	7,444	7,755	7,055	8,084	8,612	89,905
002-055	205/333													0
002-055	205/336	3,970	3,296	3,402	3,735	3,397	3,353	2,729	2,051	1,885	2,842	3,655	4,394	38,709
002-056	205/255	3,389	1,075	1,552	2,177	2,933	3,939	2,564	2,313	3,362	4,797	5,878	4,878	38,857
002-056	205/256	1,035	683	780	743	690	689	472	341	351	636	1,006	1,147	8,574
002-057	205/216	1,114	986	885	393									3,378
002-057	205/217	673	581	404	429	536	451	233	483	750	884	1,262	1,048	7,733
002-057	205/219	4,758	4,260	4,450	3,955	3,804	4,379	4,123	3,908	3,378	4,398	4,617	4,268	50,299
002-058	205/206													0
002-058	205/209													0
002-059	205/174	13,814	13,995	13,778	12,791	11,429	10,216	9,036	10,374	10,372	6,904	3,921		116,629
002-059	205/177	0	0	0	0	0	0	0	0	0	0	0	0	0
002-060	205/195	1,800	863	466	442	846	1,459	1,012	678	1,482	2,637	2,797	1,645	16,129
002-060	205/196	826	574	511	447	312	392	350	280	657	1,487	1,463	916	8,215
002-061	205/185	8,555	7,616	6,963	6,682	6,192	5,377	4,469	4,700	4,587	3,933	3,961	5,250	68,286
002-061	205/186													0
002-062	205/201	2,629	2,733	2,706	2,195	1,710	1,759	1,631	1,526	1,482	1,496	1,879	2,271	24,019
002-062	205/202	74	75	84	89	61	35	20	17	2	3	24	40	522

APPENDIX F MONTHLY ABSTRACTION PER WELL (1996-2000) PHASE 2

Farm No	Well No	May_99	Jun_99	Jul_99	Aug_99	Sep_99	Oct_99	Nov_99	Dec_99	Jan_00	Feb_00	Mar_00	Apr_00	Total
002-063	205/226	4,466	4,088	4,150	3,717	3,516	4,143	4,471	4,462	4,283	3,947	3,970	4,517	49,729
002-063	205/229	3,744	3,485	3,571	3,581	3,693	3,955	3,697	3,644	2,994	2,621	3,070	3,545	41,599
002-064	205/198	2,530	3,330	1,427	1,262	1,020	819	763	844	891	762	654	462	14,764
002-064	205/199	8,788	9,243	11,919	10,007	7,463	7,253	7,006	6,545	8,003	6,599	6,214	8,374	97,415
002-065	211/645	4,189	4,106	3,986	3,561	3,192	3,246	2,923	2,883	2,986	2,834	2,858	3,306	40,070
002-065	211/646	1,420	1,528	1,480	1,230	759	686	1,018	995	1,088	1,080	1,199	1,468	13,950
002-066	002/052	2,565	1,572	1,391	2,194	2,499	1,956	2,590	4,965	5,009	4,674	4,462	3,466	37,344
002-066	002/053	9,019	9,043	9,014	8,689	8,161	7,871	7,133	7,208	7,240	7,014	7,786	6,935	95,114
002-066	002/054	3,820	3,930	3,719	3,451	2,636	1,297	2,054	2,987	3,002	2,915	3,225	2,685	35,721
002-066	002/055	3,228	4,439	5,104	4,583	4,528	3,960	3,585	3,673	2,983	2,454	2,912	3,784	45,232
002-066	002/056	4,741	4,943	4,710	4,514	4,259	4,253	3,962	3,782	3,843	3,616	3,839	4,697	51,159
002-066	002/057	4,266	4,193	3,878	3,580	3,974	3,963	3,559	3,205	3,153	2,744	2,864	3,021	42,400
002-066	002/060	4,449	4,396	4,348	4,070	3,877	4,101	3,855	3,589	3,733	3,596	3,901	4,227	48,142
002-066	002/061	721	4											725
002-067	206/491	7,372	7,858	7,578	7,113	7,030	7,299	6,644	6,303	5,372	5,315	5,840	6,526	80,250
002-068	211/625	3,279	3,064	3,150	3,121	2,980	2,938	2,396	2,364	2,551	2,308	2,558	3,036	33,745
002-068	211/626	1,661	766	2,455	4,096	3,833	3,561	2,378	3,293	4,108	3,850	4,399	4,974	39,372
002-069	211/784	4,403	4,698	4,836	3,860	3,456	3,616	3,315	2,935	2,267	2,807	2,999	3,405	42,597
002-069	211/785	1,573	1,641	1,608	1,314	1,203	1,186	1,036	805	805	1,063	1,227	1,426	14,889
002-069	211/786	9,067	9,084	8,877	8,096	7,295	7,045	6,569	5,883	5,293	5,464	6,382	7,239	86,292
002-069	211/787	86	87	86	78	63	55	54	75	87	96	137	155	1,059
002-070	000/003	14,041	13,978	13,480	12,229	11,423	11,965	10,759	10,581	10,903	12,087	12,226	12,160	145,832
002-070	211/780	16,060	15,928	16,115	15,301	13,457	13,518	11,966	11,431	10,392	7,554	11,683	13,796	157,201
002-071	211/775	3,357	3,544	3,611	3,248	2,594	2,064	1,459	1,073	828	822	787		23,388
002-071	211/776	4,503	4,340	3,962	3,912	3,097	2,188	1,474	904	1,246	1,328	1,411		28,366
002-072	211/772	8,645	8,446	6,851	5,688	4,811	4,300	3,215	3,218	3,174	4,882	5,630	6,092	64,951
002-072	211/773	5,272	5,688	5,192	3,676	3,135	3,168	2,428	1,670	1,523	2,176	3,184	3,784	40,897
002-073	211/800	9,362	9,664	9,668	8,971	7,678	5,707	4,365	3,640	3,094	3,409	6,075	9,106	80,737
002-073	211/801	5,658	5,982	6,661	5,772	5,042	4,354	4,380	5,320	5,879	6,287	6,879	7,095	69,310
002-074	211/912	4,624	4,704	4,540	4,215	3,849	3,652	2,684	1,985	2,030	2,637	2,884	3,524	41,326
002-074	211/913	7,614	7,645	7,706	6,714	5,720	6,118	6,026	5,475	5,658	6,017	7,628	7,528	79,850
002-074	211/914	7,858	7,902	7,572	7,059	5,979	6,000	5,975	5,515	5,711	6,123	7,803	7,909	81,406
002-075	211/700	3,614	1,837	1,399	2,143	3,930	6,147	5,762	4,607	3,711	4,213	5,178	3,979	46,519
002-075	211/701	13,115	9,531	8,138	9,349	11,752	14,533	13,141	11,702	8,934	11,420	14,567	13,912	140,092
002-075	211/704													0
002-076	211/720	2,784	3,318	3,471	3,192	2,758	2,271	1,781	1,286	2,275	2,744	3,057	3,543	32,480
002-076	211/722	2,989	2,903	2,821	1,579	746	2,306	2,196	2,106	1,629	844	1,466	1,698	23,281

Farm No	Well No	May_99	Jun_99	Jul_99	Aug_99	Sep_99	Oct_99	Nov_99	Dec_99	Jan_00	Feb_00	Mar_00	Apr_00	Total
002-076	211/723	1,319	1,433	1,490	1,388	1,282	1,123	937	960	666	573	589	725	12,484
002-076	211/724	5,844	5,554	5,530	5,276	4,755	5,045	4,876	4,799	4,829	4,978	5,453	4,909	61,849
002-076	211/725	3,095	2,918	2,761	2,607	2,393	2,330	2,194	2,168	2,086	2,157	2,351	2,443	29,503
002-077	211/726									0	0			0
002-077	211/727	4,115	4,319	4,121	4,126	4,153	4,211	3,806	4,015	4,313	4,412	4,634	4,316	50,540
002-078	211/452	3,034	2,895	2,987	3,048	3,067	3,233	2,925	3,071	3,255	3,067	3,071	2,976	36,629
002-078	211/453	2,537	2,455	2,283	1,777	1,185	822	644	657	641	666	1,252	1,934	16,851
002-079	211/732	4,484	4,030	4,065	3,499	3,085	3,180	3,220	2,971	2,668	3,019	3,724	4,047	41,992
002-079	211/733	14,511	13,988	12,766	11,880	11,264	10,975	9,386	8,675	7,643	8,673	10,203	10,440	130,403
002-079	211/734	3,809	7,657	3,832	2,410	7,293	7,790	7,652	7,636	6,792	3,051	713	5,513	64,148
002-079	211/735	5,403	5,259	4,769	2,850			0	0	224	2,215	5,471	4,803	30,993
002-079	211/736	11,051	7,448	9,849	11,147	7,731	8,057	7,863	8,061	7,939	5,863	1,084	7,915	94,009
002-079	211/737	4,030	3,044	1,168	1,045	3,181	3,388	3,193	3,071	2,480	813	1,806	3,166	30,386
002-079	211/738													0
002-080	211/706		19	60	60	40	2							180
002-080	211/707	11,946	11,340	11,660	11,326	9,912	9,039	8,976	9,139	8,660	8,597	9,856	25,646	136,095
002-081	211/742	5,311	0	0	0	1	0	0	0	0	0	0	0	5,313
002-081	211/743	6,985	6,177	5,522	5,030	4,737	4,888	4,704	4,898	4,479	4,701	5,458	6,151	63,731
002-082	211/740	11,981	12,067	12,416	11,920	10,853	11,575	10,023	8,986	7,665	3,918	204	13	101,623
002-083	211/881	4,589	4,648	4,464	3,288	3,168	2,730	2,097	2,009	3,088	1,678	2,971	3,306	38,036
002-083	211/883	3,842	3,676	3,588	2,720	2,642	2,269	1,815	1,794	2,488	1,414	2,540	2,769	31,557
002-083	211/884	578	691	48	0	0	4	28	69	54	0	0		1,473
002-083	211/886	4,337	4,375	4,637	3,991	3,314	3,755	3,547	2,600	2,527	2,490	3,216	3,805	42,594
002-083	211/887	3,794	3,870	3,335	2,811	2,126	2,256	2,448	1,525	1,892	1,762	2,173	2,923	30,915
002-084	211/874	14,706	13,861	12,377	11,150	8,615	7,837	8,568	6,305	5,661	6,039	6,451	6,255	107,826
002-084	211/875	652	61	175	461	519	718	531	47	130				3,294
002-084	211/876	19,605	18,780	18,771	18,163	17,477	17,803	15,056	11,140	14,679	14,863	15,979	16,324	198,638
002-084	211/877			14	1,831	3,959	3,754	4,233	5,540	5,867	5,575	5,212	5,527	41,512
002-086	211/895	12,842	13,779	12,913	12,554	12,549	12,206	11,744	11,421	10,535	8,778	12,161	12,722	144,205
002-086	211/896	4,860	2,711	3,497	3,376	3,749	4,102	3,975	3,521	3,239	2,647	3,909	3,814	43,398
002-087	211/749	17,696	16,764	16,611	16,296	15,106	15,358	14,721	15,558	16,396	15,966	17,368	17,706	195,545
002-088	000/005	7,202	5,936	5,335	4,694	10,371	3,233	3,350	4,242	4,376	4,334	6,022	6,576	65,670
002-088	211/599	12,928	12,888	11,642	5,351	0	0	0	0	0				42,808
002-088	211/600	230	182	179	122	131	28	37	70	64	53	68	58	1,223
002-089	211/579	11,823	12,905	12,237	9,249	5,468	5,950	5,605	4,948	4,472	3,264	4,958	5,956	86,836
002-089	211/581	11,293	11,465	11,529	8,689	6,145	3,379	324						52,824
002-089	211/582	9,800	11,036	11,346	7,812	5,083	6,578	7,786	7,581	6,729	3,772	5,258	4,986	87,767

APPENDIX F MONTHLY ABSTRACTION PER WELL (1996-2000) PHASE 2

Farm No	Well No	May_99	Jun_99	Jul_99	Aug_99	Sep_99	Oct_99	Nov_99	Dec_99	Jan_00	Feb_00	Mar_00	Apr_00	Total
002-089	211/583	19	0											19
002-089	211/584	9,722	9,126	8,462	6,719	4,484	5,632	6,306	6,474	5,359	4,351	6,650	7,190	80,477
002-090	211/601	17,552	15,573	17,993	15,398	8,956	13,639	14,830	15,459	18,473	16,072	17,898	15,923	187,766
002-090	211/602	14,026	8,600	5,845	8,401	5,357	3,388	1			2,564	11,913	16,591	76,687
002-090	211/603	345	4,418	13,143	9,825	9,783	15,371	7,561	6,439	5,601	4,659	4,461	7,507	89,114
002-091	211/609	6,780	5,824	5,037	5,249	4,311	4,223	3,732	5,350	5,097	4,425	5,416	4,900	60,345
002-091	211/612	12,146	11,521	9,857	10,305	10,764	10,213	10,151	10,666	8,985	8,535	12,228	11,195	126,567
002-091	211/613	2,760	2,213											4,973
002-092	211/575	11,894	10,722	8,169	6,901	5,964	6,886	8,723	8,711	9,391	8,796	11,232	11,040	108,429
002-092	211/576	7,716	6,882	5,589	5,055	4,106	3,473	1,156	1,161	1,219	1,705	3,147	3,265	44,473
002-092	211/577													0
002-092	211/578	3,053	2,660	2,635	2,016	1,389	758	508	946	1,289	1,136	1,619	1,931	19,941
002-093	211/604	5,010	5,142	4,985	4,515	3,794	2,271	4,131	3,859	3,824	2,853	1,947	1,508	43,840
002-094	211/666	7,393	6,844	7,677	7,267	6,381	6,856	5,576	4,902	5,557	5,667	6,465	7,233	77,818
002-095	211/650	15,574	14,342	15,382	14,965	17,122	16,535	11,485	10,865	12,283	9,624	11,539	12,464	162,178
002-095	211/651	15,975	15,592	16,575	13,117	1,328	3,197	10,579	8,625	7,760	11,439	14,536	14,734	133,456
002-096	206/388	14,859	13,874	15,368	14,354	13,881	11,461	8,775	8,329	7,707	6,213	5,291	12,413	132,527
002-096	206/413	12,506	11,564	12,628	11,752	11,490	9,585	7,418	7,048	6,561	5,865	9,697	10,564	116,676
002-097	000/001	12,185	12,759	11,748	10,168	7,829	8,110	6,388	4,972	5,055	5,991	8,339	9,838	103,382
002-097	206/401	1,022	635	106	314	967	1,055	934	587	448	348			6,417
002-098	206/381	10,735	10,653	10,493	10,065	10,827	6,057	8,644	6,023	5,498	8,051	8,740	8,255	104,042
002-098	206/382	10,247	9,977	10,288	11,232	10,644	5,973	8,850	8,696	8,376	7,068	8,430	9,086	108,865
002-098	206/383	8,806	9,193	7,415	6,645	6,739	7,791	7,192	7,083	7,086	7,651	8,168	8,719	92,487
002-099	206/377	5,891	5,335	5,278	5,760	4,492	4,726	3,771	3,670	3,347	3,850	5,308	6,040	57,467
002-099	206/378	4,427	4,255	4,507	4,408	3,485	3,971	3,305	2,847	2,605	2,674	3,301	4,050	43,834
002-099	206/406	5,988	5,655	5,623	5,054	4,875	4,560	4,262	4,130	3,590	3,211	3,981	5,211	56,141
002-100	211/677	8,416	8,229	8,762	8,473	7,549	6,301	5,533	5,807	5,417	5,304	6,178	5,607	81,575
002-100	211/678	12,149	13,005	14,165	13,816	12,368	10,432	8,697	8,808	8,679	8,188	9,741	10,027	130,075
002-100	211/679	12,435	12,526	14,505	14,629	13,086	9,114	7,137	5,934	5,914	5,668	7,807	10,889	119,645
002-100	211/680	11,408	11,353	12,393	12,226	10,901	9,259	8,197	8,488	7,517	5,912	6,792	9,068	113,515
002-100	211/681	14,060	14,189	14,649	13,853	11,282	8,694	9,069	5,609	5,226	8,581	8,555	13,777	127,545
002-101	204/206	16,241	11,986	8,099	8,923	13,759	14,643	12,080	9,369	9,322	10,600	15,179	17,046	147,247
002-102	204/200	5,518	5,710	5,548	4,710	3,585	3,114	2,380	2,073	2,197	2,090	2,465	3,090	42,479
002-103	201/680													0
002-104	201/657	8,693	7,280	6,701	4,220	3,308	1,380	128	131	166	148	190	248	32,593
002-104	201/658	4,664	4,470	4,452	4,128	3,374	3,380	3,682	3,114	3,142	2,861	3,725	3,742	44,733
002-104	201/659													0

APPENDIX F MONTHLY ABSTRACTION PER WELL (1996-2000) PHASE 2

Farm No	Well No	May_99	Jun_99	Jul_99	Aug_99	Sep_99	Oct_99	Nov_99	Dec_99	Jan_00	Feb_00	Mar_00	Apr_00	Total
002-102	204/200	5,518	5,710	5,548	4,710	3,585	3,114	2,380	2,073	2,197	2,090	2,465	3,090	42,479
002-103	201/680													0
002-104	201/657	8,693	7,280	6,701	4,220	3,308	1,380	128	131	166	148	190	248	32,593
002-104	201/658	4,664	4,470	4,452	4,128	3,374	3,380	3,682	3,114	3,142	2,861	3,725	3,742	44,733
002-104	201/659													0
002-104	201/660	4,603	4,627	4,574	4,135	3,944	3,255	3,357	2,474	1,661	1,011	1,896	1,916	37,452
002-105	211/500	1,585	2,453	2,646	2,424	2,644	1,854	1,153	842	97	197	245	159	16,298
002-105	211/501	1,179	999	764	954	827	950	895	816	432	630	515	464	9,423
002-105	211/502	1	0											1
002-106	000/004													0
002-106	201/720													0
002-106	201/721													0
002-106	201/723													0
002-106	201/725													0
002-106	201/726													0
002-107	000/002	4,303	3,911	3,131	4,144	3,238	4,420	3,975	3,462	3,521	4,085	4,344	4,197	46,730
002-108	201/677	10,474	11,119	9,752	8,864	7,132	8,119	8,569	7,483	8,390	7,075	8,834	10,848	106,659
002-108	201/678	3,920	4,186	2,114	480	188	315	318	258	2	57	17	14	11,869
002-108	201/679													0
002-109	206/360	5,510	5,366	5,075	4,981	4,421	4,585	4,249	4,111	4,350	4,109	4,449	4,835	56,042
002-110	201/697	20	13	12	17	17	15	7	0					102
002-110	201/698	16,102	14,655	13,465	12,213	7,854	6,303	7,188	6,500	7,990	9,320	9,283	10,667	121,540
002-110	201/699	12,143	12,356	13,504	12,796	11,401	10,710	11,057	10,272	10,605	8,448	11,235	7,098	131,624
002-111	000/006	4,195	3,292	2,097	1,386	1,310	2,271	1,887	1,828	2,389	2,434	3,895	3,493	30,478
002-111	206/363						140	846	870	28	817	849	0	3,551
002-111	206/364	2,403	2,894	4,506	4,875	3,861	2,518	1,704	1,385	1,191	1,264	953	3,168	30,724
002-111	206/375							0	0					0
002-112	206/361	5,629	6,595	8,220	6,972	5,546	4,767	4,238	3,479	3,317	3,563	3,895	4,230	60,451
002-112	206/362	8,989	7,060	7,431	6,929	5,532	4,775	4,238	3,150	2,955	3,117	3,421	3,712	61,309
002-112	206/373	15,048	14,607	14,317	13,717	10,583	9,258	4,251	4,293	4,353	5,377	4,569	4,256	104,628
002-112	206/374	13,957	13,408	12,562	12,059	9,231	9,083	6,484	4,615	3,503	4,310	3,931	3,349	96,492
002-113	204/713													0
002-113	204/719	1,057	1,166	1,205	1,088									4,516
002-113	204/721	1,709	2,968	3,067	2,770									10,515
002-113	204/722	1,663	2,058	2,126	1,921									7,768
002-114	204/728	3,823	3,952	3,631	3,948	3,774	3,693	3,925	2,804	3,214	3,847	5,512	4,105	46,224
002-114	204/729	4,523	4,306	5,020	3,863	3,833	3,773	3,510	4,187	3,800	3,832	4,481	4,172	49,298
002-114	204/730	3,361	3,276	2,685	2,756	3,007	2,486	2,421	1,233	1,196	1,815	2,724	3,478	30,440
002-114	204/732	3,037	3,231	2,591	1,911	1,603	1,909	1,588	1,372	1,414	1,425	397	3,815	24,291
002-115	204/752	458	486											944
	Total	2,019,834	1,893,659	1,870,677	1,734,820	1,537,084	1,467,844	1,308,554	1,214,761	1,213,729	1,190,135	1,456,463	1,632,053	18,539,613

APPENDIX G

SUMMARY OF WELL ABSTRACTION (1994-2000)

APPENDIX G SUMMARY OF ANNUAL WELL ABSTRACTION (1994-2900 PHASE 1

Farm No	Well No	Total	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00
001-001	211/909	351,861	56,162	43,536	54,082	56,072	64,217	77,792
001-001	211/910	282,764	48,842	47,497	50,692	41,936	44,443	49,354
001-003	205/326	266,510	36,391	37,713	43,621	66,150	58,053	24,582
001-003	205/327	685,639	93,010	46,365	161,043	141,568	136,285	107,367
001-003	205/328	166,884	31,998	44,122	34,969	43,112	12,683	0
001-003	205/329	253	0	253	0	0	0	0
001-003	205/330	160,874	29,905	25,910	33,353	30,554	33,984	7,168
001-004	211/627	317,287	40,716	47,346	45,966	58,258	61,575	63,427
001-004	211/628	408,705	65,127	73,584	69,821	64,782	65,413	69,979
001-005	205/319	278,504	58,418	47,696	43,418	45,322	42,773	40,877
001-005	205/320	371,438	80,382	64,319	65,867	65,759	57,664	37,447
001-005	205/321	295,314	73,179	61,391	48,163	53,118	52,332	7,129
001-005	205/322	190,971	41,527	33,082	37,148	33,098	27,553	18,563
001-005	205/324	144,665	48,325	25,603	31,195	22,280	7,750	9,513
001-005	205/325	290,735	69,132	57,675	51,025	50,296	37,832	24,776
001-006	211/714	191,305	33,527	31,798	31,406	26,475	34,236	33,863
001-006	211/715	269,524	39,366	46,621	45,060	40,399	47,300	50,778
001-006	211/716	164,612	35,167	38,927	31,252	26,639	20,206	12,421
001-007	204/183	366,727	113,448	79,756	51,720	43,500	42,096	36,209
001-007	204/952	430,859	23,900	71,470	72,685	75,967	89,878	96,958
001-008	201/433	141,813	8,238	17,431	20,890	20,116	29,168	45,970
001-008	201/434	574,908	84,582	87,648	93,400	98,979	103,935	106,364
001-009	211/402	294,462	42,774	50,433	47,768	45,932	49,862	57,695
001-009	211/403	309,133	58,729	62,311	55,316	53,866	55,978	22,933
001-010	211/413	178,557	17,816	17,790	30,649	33,739	39,958	38,604
001-010	211/414	175,321	17,798	23,613	30,129	31,485	35,915	36,381
001-011	211/813	15,591	6,553	7,286	108	1,354	290	0
001-011	211/814	814,396	147,031	112,668	143,379	146,326	146,995	117,996
001-011	211/908	18,746	17,353	1,172	3	29	190	0
001-012	205/290	253,719	34,726	48,717	31,517	48,717	52,705	37,337
001-012	205/291	302,088	53,700	36,042	25,132	63,041	57,843	66,330
001-012	205/293	192,279	62,743	69,441	60,081	13	0	1
001-013	204/141	225,636	70,457	47,848	43,026	18,607	25,349	20,348
001-013	204/142	419,317	72,795	58,478	62,015	83,230	71,194	71,604
001-013	204/143	847,604	79,652	129,062	149,225	160,048	168,146	161,471
001-013	204/146	224,415	86,095	2	0	51,470	49,417	37,431
001-013	204/147	559,259	157,898	90,246	114,239	106,056	36,427	54,393
001-013	204/148	240,238	34,956	32,172	18,985	42,501	52,809	58,815
001-013	204/149	446,406	61,034	62,425	82,552	77,632	86,116	76,647
001-013	204/150	159,487	54,629	50,605	22,579	16,158	15,517	0
001-013	204/151	691,106	116,287	122,732	131,353	127,288	91,923	101,523
001-015	201/475	100,768	19,800	8,738	5,886	11,962	23,639	30,744
001-015	201/476	87,045	19,811	8,822	14,965	11,881	13,970	17,597
001-015	201/477	23,943	1,960	1,410	2,722	2,067	5,365	10,419
001-016	203/111	54,816	12,645	8,729	9,339	7,603	8,654	7,847
001-016	203/112	8,810	2,026	691	2,516	3,243	213	121
001-017	201/229	120,261	0	0	0	17,773	51,278	51,210
001-017	201/332	434,093	65,008	33,435	68,898	95,821	84,246	86,684
001-018	203/185	876,608	30,466	29,604	56,771	60,222	62,605	58,162
001-018	203/273	517,368	95,972	96,927	86,510	89,769	78,430	69,761
001-019	204/124	595,948	91,709	100,395	98,230	93,069	104,526	108,018

APPENDIX G SUMMARY OF ANNUAL WELL ABSTRACTION (1994-2900 PHASE 1

Farm No	Well No	Total	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00
001-019	204/125	489,285	86,133	85,031	76,361	72,355	77,659	91,746
001-019	204/126	439,144	69,595	75,647	68,255	77,083	76,310	72,255
001-020	201/100	496,339	68,196	75,252	87,765	80,407	91,928	92,792
001-020	201/101	33,654	13,437	3,976	7,138	3,608	5,496	0
001-021	206/276 .	1,164,402	156,219	203,323	221,349	215,137	196,458	171,915
001-021	206/277	598,269	115,485	114,068	88,100	45,948	114,572	120,096
001-021	206/278	675,627	86,948	81,746	76,620	135,219	125,141	169,953
001-022	211/261	260,381	56,835	46,967	30,909	41,571	43,976	40,123
001-022	211/262	281,175	58,304	58,148	45,846	52,614	47,999	18,263
001-023	204/060	463,629	86,123	82,988	84,208	82,073	59,568	68,670
001-024	201/184	841,386	151,330	103,951	145,551	123,765	171,907	144,880
001-024	201/185	1,168,955	217,425	210,569	194,390	176,341	196,683	173,548
001-024	201/186	439,836	73,228	75,043	68,495	57,450	63,426	102,195
001-024	201/187	207,572	50,563	44,332	31,545	29,935	25,836	25,360
001-025	206/543	909,474	140,639	141,098	135,804	113,182	155,498	223,254
001-025	206/544	126,230	21,565	20,651	23,053	16,311	22,086	22,566
001-025	206/545	452,241	86,793	86,009	97,401	114,457	67,581	0
001-026	201/671	94,196	35,590	36,630	21,973	3	0	0
001-026	201/672	3,330	1,661	1,669	0	0	0	0
001-026	201/673	73,286	16,675	2,898	6,143	33,867	13,703	0
001-027	205/266	36,004	5,898	7,377	5,716	4,281	6,254	6,477
001-027	205/267	2,881	496	520	475	642	459	289
	TOTAL	24,796,871	4,242,904	3,899,428	4,027,765	4,081,529	4,101,476	3,874,992
	AVERAGE	339,683	58,122	53,417	55,175	55,911	56,185	
	MAXIMUM	1,168,955	217,425	210,569	221,349	215,137	196,683	
	MINIMUM	253	0	0	0	0	0	

APPENDIX G SUMMARY OF ANNUAL WELL ABSTRACTION (1999-2000) PHASE 2

Farm No	Well No	Total	1996-97	1997-98	1998-99	1999-00
002-001	002/120	202,595	28,663	42,963	51,004	79,964
002-001	002/121	221,524	55,135	50,343	67,740	48,306
002-001	002/122	215,364	71,179	67,633	76,544	8
002-002	201/000	722,560	182,937	196,455	187,540	155,628
002-002	201/002	434,794	134,254	82,290	124,733	93,517
002-002	201/012	410	403	4	3	0
002-003	201/001	262,957	55,806	78,471	68,596	60,083
002-003	201/004	92,719	41,294	23,984	25,177	2,264
002-004	201/006	376,886	110,655	103,387	90,973	71,872
002-004	201/007	387,458	108,183	89,315	97,525	92,435
002-004	201/008	257,470	81,074	74,522	53,306	48,568
002-004	201/009	421,070	107,328	104,453	112,608	96,681
002-005	201/014	232,059	45,416	55,705	64,000	66,938
002-006	000/008	69,723	0	0	11,088	58,636
002-006	201/016	300,858	84,900	69,278	91,081	55,599
002-006	201/017	254,397	117,063	99,413	37,921	0
002-007	201/043	484,693	96,227	135,827	158,843	93,796
002-007	201/047	343,595	88,598	108,080	93,594	53,322
002-007	201/048	218,778	58,647	50,547	58,106	51,479
002-008	201/060	202,467	78,269	110,132	13,450	617
002-008	201/061	143,938	64,647	62,204	6,015	11,072
002-009	000/007	307,074	32,046	111,871	109,642	53,515
002-009	000/009	62,032	2,312	40,410	19,310	0
002-009	000/010	205,880	0	0	97,055	108,825
002-009	201/064	739,544	274,791	265,765	139,848	59,140
002-009	201/065	78,998	78,998	0	0	0
002-009	201/066	11,340	11,340	0	0	0
002-009	201/067	100,854	70,357	30,494	4	0
002-010	201/076	474,116	162,166	146,148	95,332	70,469
002-010	201/077	470,807	120,987	113,372	125,720	110,729
002-011	201/078	392,547	82,535	108,040	113,766	88,206
002-012	201/080	633,518	134,269	156,884	167,838	174,528
002-012	201/081	292,320	75,447	77,636	85,943	53,293
002-012	201/871	611,888	133,087	153,212	164,572	161,017
002-013	201/094	278,608	103,646	94,065	68,760	12,137
002-014	201/154	331,294	113,753	87,710	70,713	59,118
002-014	201/155	199,601	49,937	50,123	52,502	47,039
002-015	201/203	162,778	44,629	48,744	43,154	26,252
002-015	201/204	112,903	11,793	21,231	38,005	41,874
002-015	201/205	153,101	34,646	35,575	45,819	37,061
002-015	201/206	77,153	16,599	15,758	22,657	22,140
002-016	201/252	171,599	63,148	56,030	29,041	23,381
002-017	201/259	13,925	12,562	1,347	15	0
002-017	201/390	44,058	31,890	12,168	1	0
002-018	201/306	296,082	110,064	77,568	35,575	72,875
002-019	201/393	184,589	45,742	51,907	47,055	39,886
002-020	201/394	385,188	87,839	94,299	101,044	102,006
002-020	201/395	213,523	59,974	47,039	49,924	56,587
002-021	203/227	405,939	101,534	87,377	109,878	107,149
002-021	203/228	226,538	53,937	51,617	62,606	58,379
002-022	203/237	549,074	136,146	126,164	151,834	134,930

APPENDIX G SUMMARY OF ANNUAL WELL ABSTRACTION (1999-2000) PHASE 2

Farm No	Well No	Total	1996-97	1997-98	1998-99	1999-00
002-023	203/240	462,845	102,373	135,609	113,755	111,108
002-024	211/181	523,800	155,022	143,084	162,668	63,025
002-025	211/183	252,859	53,478	64,869	70,161	64,351
002-026	211/185	332,859	80,129	93,244	119,441	40,045
002-026	211/187	608,606	153,024	144,126	164,798	146,658
002-026	211/188	654,471	144,880	161,986	187,951	159,653
002-027	211/194	676,870	150,021	190,131	146,753	189,964
002-027	211/195	382,235	115,606	97,742	95,606	73.281
002-027	211/196	949,802	241,735	261,271	268,876	177,920
002-027	211/197	120,763	66,789	53,970	0	4
002-028	211/166	13	0	12	0	0
002-028	211/200	816,823	187,166	215,692	214,603	199.362
002-028	211/201	536,790	141,943	125,071	147,117	122,659
002-028	211/202	99,911	13,651	7,721	40,306	38,233
002-028	211/203	635,623	189,663	127,867	172,122	145,972
002-028	211/204	570,546	149,339	144,045	161,485	115,677
002-028	211/205	548,346	133,432	138,721	153,219	122,974
002-028	211/206	212,370	37,857	64,005	55,139	55,370
002-029	204/256	4,610	3,733	869	8	0
002-029	204/260	12	2	5	6	0
002-029	204/261	104,882	18,863	19,932	23,715	42,373
002-030	203/441	41	41	0	0	0
002-030	203/443	80	80	0	0	0
002-031	206/433	55,282	19,881	13,335	10,244	11,823
002-031	206/434	19,516	3,513	6,116	6,041	3,846
002-033	211/008	143,418	51,117	40,984	34,209	17,108
002-033	211/009	42,390	20,362	3,726	14,295	4,008
002-034	211/000	124,624	26,159	43.219	31.608	23,637
002-034	211/001	182.529	41,561	71,484	42.355	27,129
002-035	211/819	355,329	106,018	83,594	96,347	69,369
002-035	211/820	254,498	66,168	66,653	63,441	58,236
002-036	211/420	61,106	9,992	15,950	17,756	17,408
002-036	211/421	90,140	20,404	21,258	25,470	23,007
002-037	211/434	34,362	20,300	9,490	2,926	1,646
002-038	211/428	165,713	101,707	57,358	6,647	0
002-038	211/429	125,597	27,362	23,369	24,838	50,028
002-039	211/760	12,753	12,749	3	0	0
002-039	211/761	177,431	43,738	53,045	46,554	34,095
002-039	211/763	62,789	14,654	15,545	17,859	14,731
002-040	201/645	382,780	130,846	89,503	106,181	56,250
002-040	201/646	266,090	64,985	66,005	79,619	55,481
002-040	201/647	103,018	60,299	16,152	26,567	0
002-040	201/648	31,370	30,293	1,077	0	0
002-040	201/650	506,801	108,182	172,149	170,396	56,074
002-040	201/651	27,990	10,142	7,896	7,321	2,630
002-040	201/654	560,594	186,163	149,976	142,016	82,439
002-040	201/655	5,449	41	4	17	5,387
002-041	203/307	52,433	13,153	13,243	12,967	13,069
002-042	202/938	64,609	31,842	32,764	3	0
002-042	202/939	139,327	43,004	37,769	35,991	22,563
002-042	202/940	20,359	11,274	7,053	2,033	0

APPENDIX C SUMMARY OF ANNUAL WELL ABSTRACTION (1999-2000) PHASE 2

Farm No	Well No	Total	1996-97	1997-98	1998-99	1999-00
002-043	203/386	31,196	15,553	7,981	4,100	3,562
002-043	203/387	25,112	5,514	8,343	5,421	5,834
002-044	203/388	206,425	55,069	52,334	44,788	54,234
002-045	203/390	131,977	52,008	39,466	37,960	2,542
002-045	203/391	16,235	5,762	3,803	1,747	4,923
002-045	203/392	3,173	3,154	13	6	0
002-045	203/393	34,968	0	3,938	19,114	11,916
002-046	203/373	24,020	20,080	3,939	0	0
002-047	203/350	436,567	112,087	123,231	113,856	87,393
002-047	203/351	446,318	100,159	106,641	126,079	113,439
002-048	203/402	168,962	71,313	65,362	21,586	10,700
002-048	203/403	164,100	65,276	51,912	35,423	11,488
002-048	203/404	176,768	44,106	52,388	50,449	29,825
002-049	202/930	37,239	13,431	10,352	7,898	5,558
002-049	202/931	310,465	98,292	120,922	65,454	25,798
002-049	202/932	244,931	59,102	64,785	59,813	61,232
002-050	201/741	128,377	40,380	36,111	25,351	26,534
002-050	201/742	84,857	47,894	28,953	6,289	1,721
002-050	202/743	217,667	80,815	66,314	38,512	32,025
002-051	201/824	69,854	38,915	18,134	12,805	0
002-051	201/825	58,619	31,382	17,850	8,413	974
002-052	204/467	361,198	77,919	74,435	118,272	90,572
002-052	204/468	177,563	47,317	48,643	52,726	28,878
002-053	204/442	8,884	7,068	1,812	0	3
002-053	204/443	259,801	73,498	74,993	87,575	23,735
002-053	204/444	86,513	14,082	26,617	32,703	13,112
002-053	204/445	117,515	24,502	32,670	35,153	25,191
002-053	204/447	206,122	43,620	45,411	50,797	66,294
002-054	204/419	214,575	68,121	73,808	63,422	9,224
002-054	204/420	267,658	62,103	63,233	52,417	89,905
002-055	205/333	1,369	1,333	36	0	0
002-055	205/336	140,868	14,615	40,346	47,198	38,709
002-056	205/255	117,886	16,287	19,187	43,555	38,857
002-056	205/256	35,937	11,308	10,540	5,515	8,574
002-057	205/216	36,324	10,912	7,820	14,214	3,378
002-057	205/217	110,318	36,008	34,240	32,336	7,733
002-057	205/219	209,815	50,789	52,657	56,070	50,299
002-058	205/206	185,152	117,650	62,971	4,532	0
002-058	205/209	28,629	20,945	7,616	68	0
002-059	205/174	553,588	147,403	161,412	128,144	116,629
002-059	205/177	48,253	45,084	0	3,168	0
002-060	205/195	113,489	56,320	22,079	18,961	16,129
002-060	205/196	98,399	56,921	23,874	9,389	8,215
002-061	205/185	357,373	100,588	77,851	110,648	68,286
002-061	205/186	194,559	73,251	82,599	38,709	0
002-062	205/201	83,663	12,248	21,976	25,420	24,019
002-062	205/202	68,932	31,208	28,581	8,621	522
002-063	205/226	168,464	36,912	38,259	43,565	49,729
002-063	205/229	157,388	37,430	37,152	41,207	41,599
002-064	205/198	71,216	17,808	21,988	16,657	14,764
002-064	205/199	395,022	105,763	79,912	111,932	97,415

APPENDIX G SUMMARY OF ANNUAL WELL ABSTRACTION (1999-2000) PHASE 2

Farm No	Well No	Total	1996-97	1997-98	1998-99	1999-00
002-065	211/645	197,962	60,059	49,799	48,034	40,070
002-065	211/646	28,834	620	2,668	11,596	13,950
002-066	002/052	128,453	19,259	31,002	40,848	37,344
002-066	002/053	303,626	41,703	72,268	94,541	95,114
002-066	002/054	116,417	16,619	36,331	27,746	35,721
002-066	002/055	107,674	17,323	12,828	32,290	45,232
002-066	002/056	127,927	41,049	16,514	19,205	51,159
002-066	002/057	186,359	49,609	43,722	50,628	42,400
002-066	002/060	171,191	36,578	39,654	46,817	48,142
002-066	002/061	232,989	74,479	76,982	80,804	725
002-067	206/491	285,935	56,792	66,922	81,971	80,250
002-068	211/625	123,952	26,083	28,709	35,416	33,745
002-068	211/626	171,244	56,630	41,394	33,847	39,372
002-069	211/784	319,462	103,468	106,177	67,221	42,597
002-069	211/785	67,947	20,234	17,655	15,169	14,889
002-069	211/786	328,823	71,083	84,856	86,593	86,292
002-069	211/787	4,581	1,838	990	694	1,059
002-070	000/003	542,265	117,434	129,493	149,507	145,832
002-070	211/780	629,647	143,416	160,342	168,688	157,201
002-071	211/775	180,400	55,789	53,232	47,990	23,388
002-071	211/776	187,621	62,096	55,918	41,241	28,366
002-072	211/772	457,692	174,256	114,317	104,168	64,951
002-072	211/773	354,421	156,759	89,406	67,359	40,897
002-073	211/800	304,319	64,819	78,143	80,621	80,737
002-073	211/801	285,123	75,378	72,068	68,368	69,310
002-074	211/912	169,129	33,463	43,209	51,131	41,326
002-074	211/913	231,203	27,930	40,392	83,031	79,850
002-074	211/914	237,889	67,993	37,575	50,915	81,406
002-075	211/700	187,306	46,474	44,646	49,667	46,519
002-075	211/701	445,718	91,201	75,726	138,698	140,092
002-075	211/704	3	1	0	3	0
002-076	211/720	172,447	50,636	50,929	38,403	32,480
002-076	211/722	93,830	25,431	24,896	20,222	23,281
002-076	211/723	77,180	24,021	20,206	20,468	12,484
002-076	211/724	254,627	46,505	68,000	78,272	61,849
002-076	211/725	119,725	29,457	29,562	31,202	29,503
002-077	211/726	8,419	8,414	0	5	0
002-077	211/727	159,255	20,426	45,743	42,546	50,540
002-078	211/452	168,997	44,631	47,568	40,170	36,629
002-078	211/453	95,346	26,037	27,597	24,861	16,851
002-079	211/732	154,213	23,404	41,923	46,893	41,992
002-079	211/733	499,123	114,743	111,026	142,952	130,403
002-079	211/734	312,563	98,700	93,675	56,041	64,148
002-079	211/735	167,115	42,508	31,745	61,869	30,993
002-079	211/736	364,765	72,819	83,866	114,071	94,009
002-079	211/737	104,814	24,287	25,963	24,177	30,386
002-079	211/738	404	400	1	3	0
002-080	211/706	123,005	65,830	56,982	12	180
002-080	211/707	451,595	95,997	98,161	121,342	136,095
002-081	211/742	313,330	84,350	105,502	118,164	5,313
002-081	211/743	271,625	62,527	70,295	75,073	63,731

APPENDIX G SUMMARY OF ANNUAL WELL ABSTRACTION (1999-2000) PHASE 2

Farm No	Well No	Total	1996-97	1997-98	1998-99	1999-00
002-082	211/740	528,815	149,857	131,383	145,953	101,623
002-083	211/881	127,807	19,512	29,817	40,442	38,036
002-083	211/883	106,138	15,120	26,103	33,357	31,557
002-083	211/884	26,774	8,274	12,742	4,285	1,473
002-083	211/886	162,319	36,722	38,463	44,540	42,594
002-083	211/887	118,360	26,945	29,972	30,527	30,915
002-084	211/874	575,549	142,386	160,635	164,701	107,826
002-084	211/875	251,425	93,568	117,765	36,798	3,294
002-084	211/876	864,481	154,887	250,709	260,246	198,638
002-084	211/877	98,733	57,218	1	2	41,512
002-086	211/895	472,230	97,305	113,323	117,398	144,205
002-086	211/896	257,841	71,331	67,584	75,529	43,398
002-087	211/749	496,498	47,437	43,810	209,707	195,545
002-088	000/005	280,426	95,653	47,180	71,923	65,670
002-088	211/599	426,199	124,347	122,141	136,903	42,808
002-088	211/600	11,396	5,160	2,650	2,363	1,223
002-089	211/579	357,533	94,952	73,326	102,419	86,836
002-089	211/581	226,995	34,441	56,937	82,793	52,824
002-089	211/582	343,793	81,304	96,021	78,700	87,767
002-089	211/583	199,837	78,325	69,146	52,347	19
002-089	211/584	312,879	75,771	68,824	87,808	80,477
002-090	211/601	430,077	44,091	106,569	91,652	187,766
002-090	211/602	371,299	102,167	61,071	131,374	76,687
002-090	211/603	740,483	270,933	250,242	130,195	89,114
002-091	211/609	259,599	70,143	68,141	60,971	60,345
002-091	211/612	281,809	26,861	30,297	98,084	126,567
002-091	211/613	104,152	76,616	15,500	7,064	4,973
002-092	211/575	463,012	103,655	115,190	135,738	108,429
002-092	211/576	254,201	73,984	64,729	71,016	44,473
002-092	211/577	69,810	69,802	0	8	0
002-092	211/578	234,049	99,973	50,330	63,805	19,941
002-093	211/604	296,145	116,705	85,796	49,804	43,840
002-094	211/666	239,619	40,105	50,767	70,930	77,818
002-095	211/650	399,957	85,137	58,686	93,956	162,178
002-095	211/651	496,057	96,378	85,362	180,861	133,456
002-096	206/388	645,909	179,791	165,950	167,642	132,527
002-096	206/413	519,331	145,583	135,510	121,561	116,676
002-097	000/001	361,117	83,385	70,584	103,766	103,382
002-097	206/401	23,495	3,750	6,875	6,453	6,417
002-098	206/381	435,681	98,077	102,140	131,422	104,042
002-098	206/382	483,312	122,021	121,329	131,097	108,865
002-098	206/383	378,830	95,980	93,941	96,422	92,487
002-099	206/377	263,963	70,618	64,474	71,405	57,467
002-099	206/378	240,142	77,192	60,441	58,675	43,834
002-099	206/406	199,373	50,860	48,971	43,402	56,141
002-100	211/677	318,261	47,199	84,920	104,568	81,575
002-100	211/678	417,870	66,150	95,518	126,127	130,075
002-100	211/679	458,598	94,391	111,467	133,095	119,645
002-100	211/680	393,565	114,922	60,322	104,806	113,515
002-100	211/681	544,957	111,838	150,715	154,859	127,545
002-101	204/206	535,201	93,706	94,807	199,441	147,247

APPENDIX G SUMMARY OF ANNUAL WELL ABSTRACTION (1999-2000) PHASE 2

Farm No	Well No	Total	1996-97	1997-98	1998-99	1999-00
002-102	204/200	284,561	77,477	92,351	72,254	42,479
002-103	201/680	24,504	17,082	5,868	1,554	0
002-104	201/657	307,464	146,547	33,308	95,016	32,593
002-104	201/658	192,906	41,073	57,304	49,795	44,733
002-104	201/659	2,446	2,446	0	0	0
002-104	201/660	247,883	78,670	80,491	51,270	37,452
002-105	211/500	51,054	8,568	13,089	13,100	16,298
002-105	211/501	68,510	29,210	13,407	16,470	9,423
002-105	211/502	10,504	9,602	895	6	1
002-106	000/004	19,934	6,053	13,881	0	0
002-106	201/720	159,226	82,080	77,146	0	0
002-106	201/721	57,035	40,776	16,259	0	0
002-106	201/723	104,274	74,692	29,581	0	0
002-106	201/725	93,102	52,745	40,357	0	0
002-106	201/726	88,400	52,655	35,746	0	0
002-107	000/002	193,491	44,451	47,990	54,320	46,730
002-108	201/677	511,308	135,425	138,696	130,528	106,659
002-108	201/678	218,998	77,709	67,560	61,860	11,869
002-108	201/679	2,157	2,018	83	56	0
002-109	206/360	217,516	51,238	52,560	57,677	56,042
002-110	201/697	1,562	876	309	275	102
002-110	201/698	570,826	135,333	141,324	172,630	121,540
002-110	201/699	523,188	104,784	143,341	143,439	131,624
002-111	000/006	161,483	19,645	63,775	47,585	30,478
002-111	206/363	48,082	22,341	14,067	8,123	3,551
002-111	206/364	88,904	41,548	6,559	10,073	30,724
002-111	206/375	962	954	0	8	0
002-112	206/361	315,078	93,038	88,392	73,197	60,451
002-112	206/362	367,513	108,235	94,155	103,814	61,309
002-112	206/373	446,392	89,942	109,811	142,012	104,628
002-112	206/374	402,411	86,373	91,537	128,008	96,492
002-113	204/713	31	1	0	30	0
002-113	204/719	309,661	156,556	123,185	25,405	4,516
002-113	204/721	387,665	162,557	148,545	66,048	10,515
002-113	204/722	235,529	35,917	111,089	80,754	7,768
002-114	204/728	176,406	32,856	49,871	47,456	46,224
002-114	204/729	207,642	44,995	58,324	55,025	49,298
002-114	204/730	140,572	31,143	37,831	41,158	30,440
002-114	204/732	157,379	41,760	50,454	40,873	24,291
002-115	204/752	47,927	23,981	16,441	6,560	944
	TOTAL	70,069,829	18,938,335	18,223,070	18,243,802	########
	AVERAGE	237,525	64,198	61,773	61,843	49,711
	MAXIMUN	949,802	274,791	265,765	268,876	199,362
	MINIMUM	3	0	0	0	0

APPENDIX H

MONTHLY ABSTRACTION PER FARM (1994-2000)

APPENDIX H MONTHLY ABSTRACTION PER FARM (1994-2000) PHASE 1

Farm no	Mar.94	Apr.94	May.94	Jun.94	Jul.94	Aug.94	Sep.94	Oct.94	Nov.94	Dec.94	Jan.95	Feb.95
001-001	4,378	9,451	14,329	11,198	4,839	16,730	9,726	10,027	7,891	8,213	4,571	4,315
001-003	7,472	10,791	17,702	20,356	20,125	20,755	17,098	16,259	12,507	13,593	13,591	10,905
001-004	6,599	8,297	10,447	11,866	6,979	9,668	10,449	8,929	6,326	6,687	7,277	5,863
001-005	18,525	28,116	30,646	37,354	36,439	35,700	30,863	29,077	28,963	30,560	30,642	24,410
001-006	8,076	9,801	10,841	9,769	8,919	9,837	9,562	9,686	8,814	9,394	7,434	5,795
001-007	6,066	10,681	11,923	11,741	11,365	10,804	9,055	10,980	10,890	11,437	14,179	11,795
001-008	6,238	7,734	6,165	9,176	6,747	8,814	9,355	8,594	7,963	6,496	6,743	6,489
001-009	7,391	7,631	11,918	12,052	10,964	11,138	9,466	7,749	7,211	6,560	5,908	4,470
001-010	2,214	2,667	3,502	2,897	2,534	2,568	2,799	3,327	3,122	3,428	3,248	2,447
001-011	23,232	26,882	27,933	20,709	17,993	16,067	15,249	14,339	10,827	9,558	9,683	7,615
001-012	6,264	8,638	18,393	18,375	18,859	17,306	14,127	8,023	7,902	8,969	10,514	8,570
001-013	33,396	52,116	76,774	74,166	71,967	60,493	56,351	63,251	70,464	58,672	54,022	40,959
001-015	2,311	4,416	4,998	4,999	3,486	4,610	3,243	3,414	3,139	3,074	3,531	2,955
001-016	1,221	2,030	1,778	1,678	1,148	981	713	1,368	1,321	1,549	1,033	822
001-017	1,348	2,497	3,372	4,812	2,978	5,421	2,338	548	182	18,828	2,329	2,665
001-018	2,762	11,191	14,440	13,384	11,861	11,613	11,456	10,377	9,190	8,082	9,865	7,433
001-019	6,502	19,566	37,523	23,616	7,019	20,032	23,167	22,895	18,069	18,653	13,906	21,649
001-020	2,850	6,559	11,537	11,224	8,971	8,297	5,520	4,302	3,153	2,947	4,731	5,191
001-021	13,988	25,293	43,174	33,417	35,413	33,140	37,187	32,897	38,462	23,091	18,488	12,107
001-022	1,718	3,506	8,618	10,302	9,983	10,932	9,911	9,589	9,012	9,650	9,536	6,375
001-023	4,304	7,599	8,884	7,999	8,659	9,373	7,295	7,769	7,745	4,336	7,027	5,096
001-024	10,115	35,936	50,231	46,877	49,962	43,314	40,850	38,902	39,101	36,657	41,401	32,865
001-025	6,756	19,541	21,483	26,323	23,623	21,630	22,575	23,218	19,104	21,501	21,297	14,336
001-026	1,104	7,069	7,868	4,314	1,621	4,274	4,146	5,115	3,937	4,465	5,645	3,474
001-027	225	323	69	592	202	922	566	340	771	645	322	531

APPENDIX H MONTHLY ABSTRACTION PER FARM (1994-2000) PHASE 1

Farm no	Mar.95	Apr.95	May.95	Jun.95	Jul.95	Aug.95	Sep.95	Oct.95	Nov.95	Dec.95	Jan.96	Feb.96
001-001	5,876	7,289	9,294	9,213	7,931	9,429	8,959	8,314	6,108	3,762	4,442	5,616
001-003	13,103	15,310	27,558	22,164	17,203	11,813	16,473	12,204	8,929	5,380	7,012	6,118
001-004	9,638	11,716	14,788	11,800	7,869	10,545	10,604	10,828	10,138	5,826	8,569	7,895
001-005	26,675	29,634	30,998	23,530	25,377	25,636	21,782	24,923	23,762	20,683	21,578	22,597
001-006	8,114	9,893	11,369	9,361	9,952	10,099	9,026	10,312	9,891	9,540	8,715	8,737
001-007	9,302	13,877	15,737	16,132	13,861	13,193	11,428	11,962	11,485	8,304	9,892	9,630
001-008	7,515	8,764	11,108	11,098	8,514	9,445	9,241	9,406	8,253	6,166	7,481	7,801
001-009	5,815	8,253	11,928	7,835	11,157	12,770	10,849	10,608	9,498	6,442	6,104	8,349
001-010	2,511	3,229	3,802	2,330	2,102	2,622	3,077	4,791	3,679	3,542	3,187	2,863
001-011	8,838	12,124	16,574	13,309	6,922	11,045	11,768	9,785	7,209	5,099	6,909	8,177
001-012	8,125	12,004	17,450	14,197	15,781	13,114	14,251	12,318	10,505	11,972	10,772	9,989
001-013	43,417	63,267	71,240	63,191	58,528	37,970	53,498	55,958	59,388	49,138	20,944	35,843
001-015	1,624	2,498	2,644	3,072	1,578	1,839	1,100	933	757	730	276	1,597
001-016	700	1,580	591	924	671	493	1,205	1,352	1,299	1,056	251	349
001-017	6,707	14,829	1,788	6,212	2,764	1,797	2,005	2,128	2,778	4,254	2,266	2,357
001-018	8,565	10,173	13,652	12,978	10,812	10,579	11,972	13,035	10,659	6,537	5,454	8,875
001-019	16,875	24,034	33,843	28,630	27,803	25,745	22,491	22,955	17,033	9,728	13,733	17,242
001-020	6,461	9,298	10,402	8,390	7,450	7,988	6,857	6,940	5,386	3,719	3,959	6,946
001-021	22,983	28,293	46,470	40,342	36,197	41,698	35,740	34,115	32,553	25,580	21,228	23,945
001-022	10,643	10,588	10,108	10,686	9,120	9,940	9,540	9,850	8,327	6,113	6,177	7,964
001-023	3,322	8,617	8,319	8,083	7,656	8,123	7,522	7,460	7,102	5,905	5,482	5,202
001-024	33,224	39,162	48,482	48,123	47,672	44,856	43,047	43,852	36,460	22,800	29,120	25,691
001-025	15,040	18,866	21,140	23,029	22,807	23,121	22,060	22,312	20,038	17,480	17,333	17,672
001-026	3,382	5,684	6,800	3,779	3,030	3,513	4,487	4,928	4,105	1,523	1,249	1,981
001-027	680	754	840	664	650	661	690	764	617	524	668	635

APPENDIX H MONTHLY ABSTRACTION PER FARM (1994-2000) PHASE 1

Farm no	Mar.96	Apr.96	May.96	Jun.96	Jul.96	Aug.96	Sep.96	Oct.96	Nov.96	Dec.96	Jan.97	Feb.97
001-001	7,759	10,207	13,173	12,052	10,839	11,091	8,401	9,449	8,543	6,388	5,433	6,325
001-003	9,141	10,368	18,029	23,177	24,093	24,864	23,026	25,451	22,602	24,029	22,310	23,220
001-004	10,393	11,674	12,813	12,192	11,918	11,599	10,558	10,661	9,144	7,859	6,711	6,754
001-005	23,342	25,558	23,329	25,809	27,116	25,502	24,568	24,244	23,147	23,946	21,613	20,308
001-006	9,793	10,549	10,939	10,512	10,629	9,115	8,378	10,191	8,574	7,464	7,914	7,773
001-007	13,205	16,396	16,780	13,341	12,016	10,918	11,758	8,618	10,457	8,290	6,870	7,753
001-008	7,834	8,733	11,052	11,228	12,661	11,371	9,950	9,914	8,680	6,891	7,083	8,065
001-009	7,506	9,696	10,786	11,526	10,738	11,035	7,620	8,807	7,572	5,189	8,512	7,516
001-010	3,964	5,445	5,879	5,802	5,317	4,754	4,574	4,809	4,413	4,570	4,857	5,494
001-011	10,759	13,571	15,285	14,685	14,175	14,249	13,870	12,398	11,664	9,425	9,383	9,176
001-012	10,889	12,963	16,365	13,327	16,556	10,906	9,887	10,345	8,090	7,007	6,674	6,403
001-013	40,888	46,985	63,109	62,111	64,300	55,915	55,299	53,483	53,674	57,014	44,599	37,747
001-015	2,246	2,197	2,369	1,882	1,233	1,880	2,556	2,286	1,952	1,913	2,431	1,814
001-016	630	601	1,018	681	584	903	1,360	1,222	1,292	1,528	1,299	509
001-017	2,942	2,143	2,011	2,339	2,328	1,660	1,153	2,532	7,424	8,850	7,786	8,677
001-018	10,092	11,886	16,938	15,875	16,346	13,688	13,769	12,573	9,480	7,737	6,893	10,716
001-019	17,747	24,123	29,936	28,461	28,170	26,157	23,412	19,377	13,370	11,153	13,629	15,065
001-020	4,276	6,913	10,308	9,390	8,375	8,265	8,638	8,987	6,824	6,618	6,826	6,941
001-021	27,895	33,373	39,343	41,301	36,641	35,670	30,833	31,875	31,585	27,860	22,840	26,408
001-022	8,324	8,965	11,029	10,741	7,394	5,526	5,383	6,889	5,613	5,499	4,814	4,881
001-023	6,103	6,032	7,399	7,431	8,660	8,669	7,481	7,391	6,542	6,466	6,187	6,073
001-024	21,224	22,569	46,064	50,499	51,308	50,752	44,401	40,014	30,303	30,119	25,777	21,059
001-025	19,443	21,324	25,232	24,195	25,212	23,071	19,356	24,079	21,605	20,141	18,512	19,540
001-026	3,132	2,671	3,049	3,915	3,534	2,153	2,719	2,964	1,821	1,622	1,478	1,089
001-027	589	596	772	751	619	536	447	537	510	410	382	321

APPENDIX H MONTHLY ABSTRACTION PER FARM (1994-2000) PHASE 1

Farm no	Mar.97	Apr.97	May.97	Jun.97	Jul.97	Aug.97	Sep.97	Oct.97	Nov.97	Dec.97	Jan.98	Feb.98
001-001	5,475	7,606	9,786	10,184	10,857	9,242	9,126	7,548	5,326	5,814	5,863	5,758
001-003	21,026	21,159	27,488	25,929	28,194	29,792	27,521	23,912	20,845	18,873	17,622	17,868
001-004	7,368	8,211	11,197	12,100	12,374	10,834	9,631	9,659	7,608	8,835	7,844	9,362
001-005	17,637	19,597	23,885	24,883	26,663	25,975	23,917	23,130	22,306	22,173	16,395	16,398
001-006	7,684	8,544	10,428	9,129	8,916	8,686	8,103	7,037	4,934	5,428	6,088	6,343
001-007	8,220	9,384	12,845	12,071	11,893	11,605	11,209	9,964	6,791	6,868	6,535	6,708
001-008	8,095	9,299	10,451	11,670	12,805	12,230	11,171	10,765	7,525	6,331	6,408	7,415
001-009	6,558	7,225	10,415	10,602	10,268	10,014	8,162	8,317	4,707	6,456	6,529	6,151
001-010	4,768	5,540	6,232	5,961	6,226	6,130	5,575	5,241	4,699	4,644	4,438	3,798
001-011	7,892	11,288	15,412	14,944	15,389	14,233	13,646	13,517	9,447	10,229	9,156	8,050
001-012	5,669	5,501	10,570	12,005	12,412	9,941	9,033	9,492	7,688	8,291	7,345	5,994
001-013	35,531	41,190	69,849	76,982	81,223	72,196	64,362	53,675	41,748	44,348	39,377	35,839
001-015	1,215	2,042	2,645	2,134	1,609	1,518	1,734	3,423	3,310	2,129	1,312	985
001-016	696	761	1,160	967	673	1,616	1,525	1,393	1,168	488	188	282
001-017	9,370	14,768	16,714	3,748	6,207	4,358	9,625	7,460	8,022	7,356	17,967	13,408
001-018	7,913	11,354	14,948	16,412	16,037	12,499	13,820	11,455	9,377	8,878	8,670	9,441
001-019	14,861	19,257	26,251	25,635	27,889	26,385	22,799	16,300	12,666	15,543	12,747	11,926
001-020	6,855	6,875	8,962	7,658	7,539	7,996	7,017	6,428	5,068	4,826	5,043	5,256
001-021	30,855	30,859	39,938	33,098	32,963	30,331	29,439	29,920	30,128	30,037	29,085	33,066
001-022	4,312	4,674	8,327	9,083	9,510	8,735	7,340	7,448	6,796	6,736	6,189	6,298
001-023	5,287	6,622	7,596	7,459	7,549	7,095	6,902	6,342	6,090	6,145	5,932	6,032
001-024	22,628	27,058	45,818	46,063	42,248	32,339	29,858	28,693	24,784	21,975	20,866	22,707
001-025	16,818	18,497	23,549	21,367	23,438	20,924	20,933	15,666	17,604	18,204	18,546	19,305
001-026	762	3,011	4,289	4,129	3,063	1,522	2,248	2,110	2,269	2,346	2,381	2,099
001-027	370	536	656	346	136	121	78	208	382	417	476	604

APPENDIX H MONTHLY ABSTRACTION PER FARM (1994-2000) PHASE 1

Farm no	Mar.98	Apr.98	May.98	Jun.98	Jul.98	Aug.98	Sep.98	Oct.98	Nov.98	Dec.98	Jan.99	Feb.99
001-001	8,839	9,663	10,878	12,312	9,492	9,147	10,294	11,020	7,392	7,078	5,399	6,495
001-003	21,725	21,614	22,827	25,715	25,688	23,305	22,055	22,041	13,814	17,193	13,366	15,042
001-004	11,064	12,531	13,295	11,955	11,612	10,974	9,908	10,057	9,075	10,152	8,163	9,289
001-005	22,285	21,861	24,230	25,510	25,627	21,888	16,162	17,846	17,360	17,626	13,981	12,843
001-006	8,661	9,759	11,432	10,653	10,442	9,787	9,118	9,073	8,238	6,782	5,277	4,542
001-007	10,394	12,584	14,744	13,589	12,819	12,133	10,407	12,007	10,509	8,341	7,915	6,911
001-008	10,488	11,837	13,356	13,006	13,107	12,632	11,850	11,971	9,904	9,007	7,600	7,848
001-009	8,299	9,877	10,378	9,787	10,601	8,933	8,253	6,935	8,684	7,129	7,476	8,919
001-010	5,602	6,678	7,418	6,762	6,389	6,307	5,904	6,188	6,377	6,692	5,759	5,200
001-011	12,023	11,661	13,748	12,401	12,989	13,350	13,489	14,403	12,840	12,397	10,125	8,765
001-012	8,594	10,406	12,749	12,687	12,329	10,526	10,537	9,639	8,560	6,540	5,458	4,417
001-013	47,178	56,212	62,004	59,231	61,376	53,133	57,680	57,315	51,930	39,440	36,356	30,088
001-015	1,923	3,188	4,702	3,430	2,081	3,732	3,673	4,057	3,393	4,265	2,819	2,031
001-016	929	457	405	858	585	563	936	1,005	915	1,159	355	350
001-017	10,961	7,768	12,854	10,135	6,918	4,926	9,397	10,645	10,813	13,036	11,296	11,142
001-018	12,910	15,545	16,996	16,219	15,735	13,778	12,020	11,875	8,688	7,756	6,164	8,087
001-019	20,006	24,360	28,464	25,135	25,316	23,821	22,765	18,475	20,342	18,475	15,558	15,658
001-020	7,874	10,347	11,801	10,037	8,085	8,291	8,616	7,975	8,302	6,872	5,392	5,819
001-021	40,681	37,620	35,618	35,750	39,193	40,438	37,985	40,378	40,629	33,872	26,109	31,909
001-022	8,244	9,479	10,751	9,857	9,311	8,445	7,851	7,442	7,240	6,909	6,346	6,268
001-023	7,648	7,283	7,637	7,437	7,642	7,482	5,465	5,405	4,592	3,756	2,094	1,699
001-024	33,335	38,805	46,574	46,088	43,472	43,693	39,699	38,989	35,309	32,743	27,672	28,706
001-025	21,307	23,107	27,776	24,248	25,854	26,922	23,878	21,201	19,765	16,184	13,559	12,296
001-026	3,679	3,733	2,243	1,873	1,935	1,935	1,873	1,935	1,598	311		
001-027	740	758	854	823	794	703	364	415	928	677	346	255

APPENDIX H MONTHLY ABSTRACTION PER FARM (1994-2000) PHASE 1

Farm no	Mar.99	Apr.99	May.99	Jun.99	Jul.99	Total	1994-95	1995-96	1996-97	1997-98	1998-99
001-001	8,351	10,801	14,124	12,976	2,132	507,480	105,005	91,033	104,774	98,008	108,660
001-003	19,730	20,231	21,202	19,898	2,647	1,141,043	191,304	154,363	272,985	281,384	241,006
001-004	10,707	11,801	14,664	13,042	2,128	592,587	105,843	120,930	115,787	123,040	126,988
001-005	15,731	17,100	20,342	18,939	3,124	1,433,322	370,962	289,766	276,816	269,873	225,904
001-006	7,776	8,623	9,371	10,051	1,707	528,379	108,060	117,345	107,718	93,514	101,742
001-007	10,097	12,502	14,110	13,221	3,054	664,419	137,348	151,226	124,405	119,466	131,974
001-008	10,236	12,586	13,335	12,524	2,076	564,387	92,820	105,079	114,289	119,095	133,103
001-009	8,297	10,446	11,636	12,013	1,609	522,968	101,503	112,744	103,084	99,797	105,840
001-010	6,273	6,605	7,201	6,429	1,258	278,893	35,614	41,404	60,778	65,224	75,873
001-011	10,487	12,481	14,257	12,415	2,021	730,737	170,937	121,126	143,490	147,709	147,475
001-012	7,053	10,053	11,681	11,618	1,946	644,418	151,169	154,201	116,730	111,770	110,548
001-013	38,962	49,386	59,623	57,361	13,324	3,231,236	733,803	593,570	623,973	682,990	596,899
001-015	3,713	5,077	5,779	5,069	1,147	152,997	41,571	18,969	23,573	25,910	42,974
001-016	727	1,008	862	528	105	55,658	14,671	9,420	11,855	10,846	8,867
001-017	21,650	12,712	18,926	12,420	2,405	416,460	65,009	33,435	68,898	113,594	135,525
001-018	10,707	13,010	14,196	14,610	2,969	687,276	126,438	126,531	143,281	149,990	141,035
001-019	19,552	24,934	28,374	24,027	5,372	1,252,357	247,437	261,073	242,847	242,507	258,494
001-020	7,869	8,365	8,712	6,963	1,523	437,202	81,633	79,227	94,902	84,015	97,424
001-021	36,881	37,409	44,249	35,629	6,734	1,976,333	358,652	399,136	386,069	396,304	436,171
001-022	5,694	5,861	6,065	5,439	1,069	483,169	115,139	105,115	76,755	94,185	91,975
001-023	2,506	3,853	4,644	3,982	771	394,960	86,123	82,988	84,208	82,073	59,568
001-024	36,063	38,845	39,774	39,695	8,014	2,211,766	492,546	433,895	439,981	387,491	457,852
001-025	16,010	17,472	20,588	24,433	5,099	1,242,125	248,997	247,758	256,257	243,950	245,165
001-026						170,812	53,926	41,197	28,116	33,870	13,703
001-027	293	261	302	104	10	32,119	6,394	7,896	6,192	4,924	6,713

APPENDIX H MONTHLY ABSTRACTION PER FARM (1994-2000) PHASE 1

Farm no	May_99	Jun_99	Jul_99	Aug_99	Sep_99	Oct_99	Nov_99	Dec_99	Jan_00	Feb_00	Mar_00	Apr_00	Total
001-001	14,124	12,976	12,944	13,817	11,419	11,648	8,495	7,530	7,052	6,926	8,851	11,366	127,146
001-003	21,202	19,898	14,689	13,076	10,792	6,227	10,889	10,100	6,971	6,673	8,990	9,610	139,117
001-004	14,664	13,042	12,457	11,317	10,030	10,692	9,744	9,414	9,307	8,958	11,556	12,225	133,406
001-005	20,342	18,939	18,991	15,989	11,615	8,014	6,491	4,466	4,619	6,297	10,267	12,275	138,306
001-006	9,371	10,051	10,292	9,888	8,129	7,534	6,570	6,053	6,320	6,184	7,609	9,063	97,063
001-007	14,110	13,221	13,764	12,841	10,283	11,049	9,518	8,328	8,676	8,515	10,070	12,794	133,167
001-008	13,335	12,524	13,442	13,094	11,423	12,745	11,846	11,288	12,046	11,279	13,959	15,353	152,334
001-009	11,636	12,013	8,791	10,815	6,633	4,611	4,438	3,614	4,277	4,428	4,451	4,921	80,628
001-010	7,201	6,429	6,412	6,686	6,300	6,419	5,370	5,785	6,128	5,586	6,156	6,513	74,985
001-011	14,257	12,415	12,915	11,239	8,454	8,333	8,245	6,085	7,083	7,097	9,668	12,205	117,996
001-012	11,681	11,618	12,267	11,349	9,283	8,167	7,954	5,483	6,080	5,617	6,297	7,872	103,669
001-013	59,623	57,361	61,495	56,354	52,190	53,696	42,372	38,338	41,309	36,503	40,620	42,372	582,233
001-015	5,779	5,069	3,689	3,928	4,564	5,347	4,813	4,648	4,521	4,515	5,880	6,005	58,759
001-016	862	528	426	651	792	884	831	901	952	560	370	210	7,967
001-017	18,926	12,420	10,504	7,618	11,306	15,117	11,895	9,019	12,978	10,093	12,227	5,793	137,893
001-018	14,196	14,610	11,878	11,805	10,717	10,415	9,993	7,493	8,394	9,553	13,703	583,945	706,700
001-019	28,374	24,027	26,881	25,323	23,495	24,033	18,829	17,806	21,002	16,795	22,021	23,433	272,019
001-020	8,712	6,963	7,254	6,436	6,792	8,782	8,178	7,404	7,651	6,912	8,721	8,987	92,792
001-021	44,249	35,629	36,305	44,219	42,637	25,493	20,863	40,637	37,924	40,025	48,454	45,528	461,964
001-022	6,065	5,439	5,933	6,292	4,730	4,761	4,272	3,384	3,963	3,886	4,394	5,268	58,387
001-023	4,644	3,982	4,584	5,868	5,767	6,224	6,195	6,617	5,504	5,509	6,859	6,916	68,670
001-024	39,774	39,695	43,032	30,324	39,253	40,971	35,595	32,901	34,133	31,912	37,968	40,425	445,983
001-025	20,588	24,433	25,439	25,002	20,182	20,249	17,901	15,654	17,442	19,320	19,956	19,653	245,820
001-026													-
001-027	302	104	63	68	743	1,118	978	373	278	683	1,076	979	6,766
Total	**404,018**	**373,384**	**374,448**	**354,000**	**327,529**	**312,529**	**272,275**	**263,320**	**274,610**	**263,824**	**320,122**	**903,711**	**4,443,770**

APPENDIX H MONTHLY ABSTRACTION PER FARM (1996-2000) PHASE 2

Farm no	Dec.95	Jan.96	Feb.96	Mar.96	Apr.96	May.96	Jun.96	Jul.96	Aug.96	Sep.96	Oct.96	Nov.96
002-001		7,060	13,020	13,918	13,469	14,333	15,570	16,168	16,412	15,224	12,721	10,675
002-002	3,513	24,294	22,727	24,294	23,510	33,960	38,234	33,629	33,261	29,265	26,273	19,931
002-003	726	5,629	8,939	13,763	13,319	13,216	13,155	11,713	7,638	6,045	4,890	4,209
002-004	2,382	36,847	34,470	36,847	35,658	44,434	44,518	44,519	43,118	33,953	32,263	29,609
002-005		4,055	4,355	4,656	4,506	5,304	5,363	4,759	4,939	3,880	2,882	2,791
002-006	519	16,096	15,057	16,096	15,577	20,011	21,811	20,214	20,085	19,217	18,896	15,536
002-007		16,146	17,343	18,539	17,941	23,915	26,538	26,838	24,823	20,727	20,340	16,982
002-008		5,960	6,914	7,391	7,152	16,347	13,129	9,927	9,382	10,362	11,876	11,223
002-009		24,891	31,608	33,788	32,698	54,168	54,342	49,074	47,031	43,489	44,160	30,066
002-010	13,805	22,524	21,071	22,524	21,798	22,524	26,306	32,300	31,455	26,192	24,330	22,402
002-011	4,324	7,054	6,599	7,054	6,827	7,054	7,425	8,391	7,710	7,417	7,123	6,046
002-012	2,615	19,215	26,049	27,845	26,947	38,145	42,161	38,801	34,666	30,436	29,095	25,604
002-013		7,801	9,049	9,673	9,361	10,420	9,863	10,040	9,864	8,480	7,959	7,442
002-014		8,153	11,689	12,496	12,093	16,094	16,704	16,867	17,352	15,635	14,271	12,641
002-015		6,819	8,204	8,770	8,487	11,688	12,174	11,962	11,390	9,803	9,264	7,436
002-016		4,381	5,775	6,173	5,974	6,888	6,809	6,598	6,453	6,125	5,779	4,705
002-017		2,883	3,801	4,063	3,932	5,448	5,663	5,155	4,662	4,841	4,675	4,033
002-018			10,743	12,809	12,396	12,646	12,472	12,276	11,295	10,521	9,058	6,440
002-019		2,565	3,234	3,457	3,345	4,333	4,090	4,298	4,256	4,053	4,219	3,972
002-020		8,722	10,997	11,756	11,376	14,468	15,392	15,248	14,669	13,190	13,160	11,097
002-021		3,625	8,748	9,351	9,049	13,817	15,971	16,398	16,084	13,965	12,617	10,551
002-022		5,280	10,208	10,913	10,561	12,877	13,702	14,326	11,553	10,355	11,285	10,218
002-023		2,300	4,765	5,094	4,930	9,107	12,500	12,874	11,283	9,479	7,476	7,164
002-024		7,408	10,231	10,936	10,583	13,869	16,318	17,656	17,005	15,311	15,385	12,758
002-025		2,741	3,786	4,047	3,916	4,298	4,698	4,814	4,598	4,963	4,823	4,707
002-026		14,095	26,146	27,949	27,047	37,746	43,179	42,534	41,188	32,583	29,848	27,733
002-027		22,147	31,755	49,811	59,062	63,529	69,882	70,648	55,322	44,427	46,227	40,431
002-028		37,906	60,697	64,883	62,790	83,330	99,963	96,175	94,178	82,650	78,998	60,592
002-029					3,524	3,100	1,871	1,106	1,675	2,099	2,467	2,344
002-030		4	97	104	101	77	34	9				
002-031		174	2,518	2,692	2,605	2,799	2,740	2,350	1,996	1,998	2,935	2,338
002-033		392	8,112	8,671	8,392	10,378	12,747	11,078	6,634	3,899	5,154	4,849
002-034		626	6,049	6,466	6,257	5,509	5,658	5,774	5,176	6,432	6,276	5,700
002-035		1,272	12,298	13,146	12,722	14,476	16,388	17,024	14,298	12,026	14,946	15,880
002-036		305	2,211	2,364	2,287	2,901	3,478	3,135	2,564	2,439	2,465	2,153
002-037		144	1,390	1,486	1,438	2,215	2,282	1,768	1,698	1,779	1,660	1,180

APPENDIX H MONTHLY ABSTRACTION PER FARM (1996-2000) PHASE 2

Farm no	Dec.95	Jan.96	Feb.96	Mar.96	Apr.96	May.96	Jun.96	Jul.96	Aug.96	Sep.96	Oct.96	Nov.96
002-038					9,840	11,369	11,847	14,308	14,072	12,364	12,248	10,566
002-039		796	3,324	3,554	3,439	4,732	5,971	6,034	6,593	6,761	5,801	5,802
002-040		13,325	61,548	65,793	63,671	65,142	61,317	57,223	50,423	39,142	40,405	47,510
002-041				690	1,217	1,285	1,133	1,030	1,158	1,202	1,128	1,048
002-042		2,754	7,721	8,254	7,988	9,320	9,874	9,677	9,356	8,775	7,562	5,948
002-043		581	2,289	2,446	2,367	2,780	2,692	2,314	2,050	1,648	1,475	1,322
002-044		2,418	7,792	8,330	8,061	8,330	7,266	6,527	5,934	4,499	3,686	3,000
002-045		1,916	6,430	6,874	6,652	7,618	7,031	6,180	6,014	5,312	4,794	4,136
002-046		910	2,399	2,565	2,482	2,994	2,627	1,939	1,750	1,765	1,785	1,389
002-047		2,523	8,850	9,460	9,155	18,169	25,973	27,916	25,772	19,201	13,754	11,729
002-048		6,972	18,381	19,648	19,015	21,703	20,025	16,542	15,199	13,255	11,950	11,695
002-049		5,566	16,522	17,661	17,092	20,444	16,978	9,498	13,145	14,075	15,057	16,732
002-050		4,240	15,370	16,430	15,900	19,338	17,893	16,110	15,860	15,404	15,000	12,519
002-051		1,818	6,767	7,234	7,001	5,804	5,212	6,591	7,134	6,861	6,860	6,197
002-052			8,396	10,011	9,688	10,578	12,373	14,615	14,183	11,835	10,889	9,959
002-053			11,395	13,147	12,793	17,038	18,710	18,818	19,150	14,583	15,936	13,350
002-054			9,450	11,267	10,904	12,771	15,108	14,481	12,592	11,253	11,913	9,778
002-055			1,587	1,968	1,904	1,333						
002-056			3,974	4,248	4,111	3,734	1,878	1,399	2,107	2,384	2,881	2,665
002-057		134	7,288	7,791	7,539	8,433	8,672	8,680	8,947	8,439	8,000	7,681
002-058			12,275	13,122	12,699	13,650	9,218	3,343	3,445	8,057	14,612	14,706
002-059			11,306	14,483	14,016	17,716	23,687	24,745	21,351	16,446	14,665	11,731
002-060			7,347	9,111	8,817	10,692	12,885	12,212	11,623	10,057	9,468	7,742
002-061			9,917	12,297	11,900	14,471	17,871	17,540	17,774	17,629	17,431	14,437
002-062			4,382	4,684	4,533	5,106	5,334	5,011	4,972	4,347	3,798	2,682
002-063			3,863	4,277	6,714	8,321	7,922	7,422	6,954	6,405	5,765	5,162
002-064			5,962	8,299	8,031	10,580	14,440	14,405	14,078	12,506	11,760	9,038
002-065			2,625	3,693	3,574	6,339	9,429	6,267	5,758	4,953	4,724	4,532
002-066				15,914	24,204	29,677	32,802	31,881	29,861	26,871	26,880	22,816
002-067			2,244	4,969	4,809	5,559	5,544	5,402	5,429	5,218	4,832	4,039
002-068			4,814	8,778	8,495	9,403	9,456	9,534	8,966	7,274	7,602	6,589
002-069			11,956	15,661	15,156	16,084	21,738	27,028	23,538	19,805	16,802	13,363
002-070			18,353	24,737	23,939	25,383	27,821	28,609	28,058	26,058	24,269	19,669
002-071			6,434	9,499	9,192	10,469	11,732	9,260	9,169	8,829	10,593	9,050
002-072			18,004	25,932	25,096	33,272	34,962	34,140	32,357	25,224	25,834	23,146
002-073			9,476	13,352	12,922	19,222	21,389	20,296	16,761	10,826	10,148	8,755

APPENDIX H MONTHLY ABSTRACTION PER FARM (1996-2000) PHASE 2

Farm no	Dec.95	Jan.96	Feb.96	Mar.96	Apr.96	May.96	Jun.96	Jul.96	Aug.96	Sep.96	Oct.96	Nov.96
002-074			3,352	11,133	9,662	12,011	12,696	13,293	13,664	10,410	14,757	10,279
002-075			7,370	14,054	13,601	13,649	12,708	11,708	9,977	10,255	12,934	11,012
002-076			7,623	14,022	13,570	14,742	14,377	14,580	15,023	14,422	14,646	14,262
002-077			2,980	6,159	5,961	3,462	1,536	2,329	3,945	3,683	2,499	29
002-078			3,595	6,965	6,740	6,631	6,253	6,556	6,103	5,331	5,112	4,838
002-079			18,467	30,995	29,995	37,715	39,133	37,549	33,636	28,575	32,216	30,935
002-080			8,297	12,248	11,853	13,761	12,520	13,339	19,552	16,528	15,943	14,141
002-081			6,411	13,250	12,823	15,667	15,752	14,630	13,582	12,283	11,862	10,678
002-082			6,316	13,054	12,633	15,912	16,303	15,706	15,098	12,841	10,711	8,686
002-083			291	9,035	8,744	8,402	10,978	17,093	13,716	10,231	10,317	7,621
002-084			26,329	41,776	40,428	48,009	49,370	48,055	45,594	41,064	37,530	31,380
002-086			5,893	13,048	12,627	16,697	18,486	18,035	17,921	16,692	15,108	12,644
002-087				2,590	4,317	5,123	5,389	5,320	4,824	3,679	4,255	3,626
002-088			8,015	22,589	21,860	24,999	25,786	26,746	24,453	16,431	22,290	16,506
002-089			7,009	27,361	26,484	36,125	39,817	35,440	33,506	31,775	36,966	31,376
002-090			10,252	31,781	30,756	40,557	45,411	45,355	41,255	43,000	38,662	28,498
002-091			5,655	19,049	18,434	18,691	19,661	20,701	19,253	15,646	16,180	13,710
002-092			15,390	41,139	39,812	43,824	53,546	43,691	36,660	25,468	22,402	20,549
002-093			1,953	8,650	8,371	10,548	18,640	13,544	13,220	10,175	9,461	7,577
002-094			1,351	5,235	5,066	3,906	2,566	1,436	553	4,181	4,609	3,367
002-095			1,591	20,270	19,616	21,647	21,689	19,974	15,888	16,171	16,794	14,715
002-096			1,867	28,937	28,003	34,496	37,698	37,722	34,286	29,559	30,662	19,942
002-097			522	8,094	7,832	8,900	9,073	8,632	8,046	6,722	7,074	6,190
002-098			2,318	23,953	23,180	28,597	31,914	34,076	31,133	27,305	27,887	23,290
002-099			2,662	20,628	19,963	22,638	22,902	21,272	19,953	17,756	16,547	15,411
002-100			5,248	44,160	42,735	52,711	57,843	60,127	59,358	44,669	39,002	29,990
002-101			322	1,994	1,930	9,231	18,871	9,615	8,082	6,719	7,352	4,345
002-102			1,130	7,004	6,778	7,152	7,594	7,951	7,287	6,434	5,975	6,200
002-103			301	1,867	1,807	2,105	3,063	2,312	1,839	1,452	1,420	1,142
002-104			5,429	29,681	28,724	33,207	37,974	35,036	19,547	21,806	29,144	26,102
002-105			927	4,709	4,557	5,443	6,428	6,657	7,945	5,429	4,233	3,525
002-106				28,123	27,254	31,275	36,521	30,548	31,803	25,849	23,833	24,488
002-107				3,747	3,876	4,012	3,898	4,028	4,245	3,995	4,194	3,875
002-108				20,857	21,576	23,836	26,514	26,013	23,673	17,815	18,539	14,107
002-109				4,239	4,710	4,915	4,862	4,983	5,229	4,665	5,067	3,975
002-110				18,193	19,492	22,539	27,460	27,655	26,957	17,666	18,036	17,497

APPENDIX H MONTHLY ABSTRACTION PER FARM (1996-2000) PHASE 2

Farm no	Dec.95	Jan.96	Feb.96	Mar.96	Apr.96	May.96	Jun.96	Jul.96	Aug.96	Sep.96	Oct.96	Nov.96
002-111				6,770	9,231	9,712	10,153	9,876	8,784	8,676	7,823	5,366
002-112				24,795	35,422	38,497	42,270	41,488	41,240	44,325	40,941	30,344
002-113				29,408	33,857	36,062	39,090	35,878	33,999	28,749	28,286	25,057
002-114				15,533	17,591	18,469	19,056	19,906	17,698	12,656	9,337	9,120
002-115				1,758	2,930	2,985	2,716	2,765	2,093	2,066	1,533	1,595

APPENDIX H MONTHLY ABSTRACTION PER FARM (1996-2000) PHASE 2

Farm no	Dec.95	Jan.96	Feb.96	Mar.96	Apr.96	May.96	Jun.96	Jul.96	Aug.96	Sep.96	Oct.96	Nov.96
002-111				6,770	9,231	9,712	10,153	9,876	8,784	8,676	7,823	5,366
002-112				24,795	35,422	38,497	42,270	41,488	41,240	44,325	40,941	30,344
002-113				29,408	33,857	36,062	39,090	35,878	33,999	28,749	28,286	25,057
002-114				15,533	17,591	18,469	19,056	19,906	17,698	12,656	9,337	9,120
002-115				1,758	2,930	2,985	2,716	2,765	2,093	2,066	1,533	1,595

APPENDIX H MONTHLY ABSTRACTION PER FARM (1996-2000) PHASE 2

Farm no	Dec.96	Jan.97	Feb.97	Mar.97	Apr.97	May.97	Jun.97	Jul.97	Aug.97	Sep.97	Oct.97	Nov.97
002-001	11,915	11,051	9,939	10,772	10,197	14,703	17,838	17,506	17,104	17,551	14,181	10,005
002-002	16,930	19,887	23,002	19,981	23,242	30,822	27,322	23,526	23,718	24,398	24,811	18,453
002-003	6,128	7,489	7,305	7,577	7,734	8,793	7,728	7,704	8,508	9,180	9,289	7,474
002-004	27,126	24,733	25,485	26,024	31,459	43,686	43,244	43,679	39,641	34,226	27,600	18,352
002-005	2,758	2,465	2,909	3,510	3,855	5,010	5,666	5,459	5,110	4,798	4,598	4,113
002-006	12,505	11,956	12,517	13,579	15,637	17,076	16,122	14,685	16,735	16,003	14,555	12,151
002-007	15,472	16,066	16,640	17,311	17,819	24,508	26,210	26,299	26,869	25,876	25,593	21,601
002-008	8,421	8,055	10,500	14,069	19,624	17,963	22,526	27,028	24,470	19,380	15,925	10,932
002-009	26,043	27,020	27,159	31,148	36,143	51,927	52,670	55,507	47,446	39,087	37,197	28,263
002-010	20,477	19,208	19,236	19,421	19,303	28,075	28,606	31,874	27,396	24,929	19,593	15,512
002-011	5,845	6,056	5,985	5,960	7,523	11,090	10,957	10,857	11,042	9,817	7,887	5,906
002-012	23,274	18,977	17,680	19,752	24,213	36,621	38,786	38,382	33,889	30,849	28,725	26,470
002-013	7,431	7,411	7,677	8,235	8,824	11,213	10,640	9,542	8,240	7,137	6,852	6,355
002-014	11,892	10,219	10,446	10,768	10,801	14,717	13,568	11,802	11,881	13,304	13,459	11,318
002-015	7,062	6,576	6,474	6,178	7,662	12,184	12,396	11,859	11,215	10,150	9,577	7,577
002-016	4,210	3,684	3,468	3,838	4,590	6,573	7,038	7,423	6,928	6,070	5,428	3,252
002-017	2,565	1,870	2,136	1,602	1,800	3,560	3,784	3,506	2,143	503	4	
002-018	5,963	5,918	7,338	8,246	7,891	10,485	8,209	9,830	8,795	8,039	6,589	4,951
002-019	3,625	2,953	3,175	3,403	3,365	4,259	4,691	5,014	5,205	4,981	4,616	3,594
002-020	10,545	10,207	10,203	9,298	10,336	14,907	14,943	14,022	13,087	12,636	11,124	8,350
002-021	11,457	11,012	10,315	11,344	11,941	16,036	16,632	17,373	15,609	14,261	11,443	9,967
002-022	9,422	10,061	9,617	10,321	12,407	15,874	15,043	13,820	11,808	10,670	9,113	6,677
002-023	6,496	5,778	6,371	6,544	7,301	11,926	12,599	11,686	12,281	11,683	11,182	9,474
002-024	10,863	9,051	8,155	9,051	9,601	13,297	15,602	15,797	15,425	14,442	14,268	9,487
002-025	3,987	3,612	3,987	3,860	5,130	6,989	7,533	7,235	6,880	6,085	4,634	3,772
002-026	23,136	21,858	24,277	25,451	28,501	35,087	45,939	44,737	41,107	35,833	32,404	26,885
002-027	34,622	38,080	35,157	35,546	40,281	58,527	69,706	69,848	63,057	52,333	43,895	33,430
002-028	45,293	44,435	50,861	54,101	62,474	87,654	96,306	94,584	86,623	83,839	69,247	39,403
002-029	1,983	1,452	1,213	1,605	1,682	2,229	1,727	1,182	1,384	1,900	2,005	1,600
002-030												
002-031	1,344	1,770	955	1,190	982	1,466	1,177	983	1,496	1,948	2,215	1,324
002-033	4,060	3,223	2,397	3,347	3,712	4,726	4,395	4,873	4,981	4,097	3,208	2,920
002-034	4,127	3,438	5,059	7,233	7,339	10,183	11,241	10,062	10,337	10,509	11,016	8,693
002-035	15,829	14,128	12,785	13,132	11,275	14,092	13,804	13,732	15,017	14,733	13,430	10,473
002-036	2,263	2,275	1,956	2,268	2,500	3,844	4,109	3,967	3,310	3,075	3,317	2,693
002-037	1,259	1,464	1,648	1,857	1,492	1,952	2,005	1,618	921	617	456	347

APPENDIX II MONTHLY ABSTRACTION PER FARM (1996-2000) PHASE 2

Farm no	Dec.96	Jan.97	Feb.97	Mar.97	Apr.97	May.97	Jun.97	Jul.97	Aug.97	Sep.97	Oct.97	Nov.97
002-038	9,255	8,115	8,462	9,231	7,232	8,376	10,573	10,877	12,041	11,888	12,130	5,523
002-039	6,857	6,017	5,433	5,797	5,345	7,467	7,840	7,152	6,385	5,672	4,843	3,769
002-040	52,757	48,674	43,155	45,897	39,306	47,196	45,044	43,839	40,113	37,755	41,153	40,371
002-041	1,042	1,077	1,063	1,064	923	1,145	1,256	1,326	1,253	1,170	1,215	1,094
002-042	5,165	4,689	4,734	5,291	5,729	8,101	8,865	8,391	7,554	7,788	7,991	6,100
002-043	1,311	1,335	1,424	1,378	1,338	2,414	2,842	2,502	2,182	1,550	1,034	604
002-044	2,892	2,998	3,170	3,462	3,305	4,562	3,599	4,000	4,698	4,089	3,996	3,212
002-045	4,170	4,260	3,925	3,907	3,578	4,497	4,918	4,640	4,215	3,838	3,382	2,364
002-046	1,008	907	1,165	1,409	1,342	1,633	1,473	620	113	59	21	4
002-047	14,365	16,748	15,322	11,965	11,332	22,037	29,303	27,668	20,873	19,137	19,447	10,463
002-048	11,866	12,285	14,036	15,909	16,230	20,070	19,785	17,641	15,702	15,134	13,787	10,366
002-049	14,974	13,364	11,610	12,625	12,323	18,413	20,435	20,133	19,696	18,170	16,819	11,948
002-050	11,407	10,087	10,172	12,162	13,137	16,392	16,075	14,848	13,736	11,041	9,327	8,000
002-051	5,722	5,326	5,311	5,062	4,218	5,011	4,136	3,924	4,069	3,578	2,827	2,026
002-052	8,576	7,481	7,499	9,107	8,140	12,398	12,942	14,200	13,019	9,127	8,297	7,793
002-053	10,478	8,277	8,107	9,530	8,792	19,650	21,002	18,730	18,411	15,570	14,718	10,899
002-054	8,924	7,706	7,825	9,235	8,638	13,266	15,267	15,380	14,006	13,147	11,244	8,121
002-055	1,802	3,441	2,791	3,235	3,346	3,638	3,557	3,661	3,879	3,973	3,901	3,215
002-056	2,595	2,171	1,880	2,131	1,769	2,039	1,400	2,260	2,602	2,654	2,491	1,238
002-057	8,455	7,961	7,273	7,852	7,315	8,772	8,708	8,958	8,566	8,012	8,117	6,849
002-058	14,350	14,033	14,992	15,414	12,776	12,545	10,585	7,168	5,690	6,057	3,613	1,214
002-059	11,454	13,096	12,776	13,336	11,484	16,236	18,337	18,685	16,676	14,445	13,495	10,839
002-060	6,770	6,620	7,622	8,950	8,600	10,043	6,433	4,261	3,431	2,808	2,376	2,397
002-061	11,208	10,525	10,377	12,535	12,040	17,699	17,797	17,670	15,774	13,323	12,530	9,889
002-062	2,485	2,455	2,346	2,523	2,396	4,553	5,717	6,023	5,644	4,893	4,320	3,090
002-063	5,029	5,324	4,592	6,126	5,319	7,890	7,602	7,494	7,373	6,971	6,342	5,035
002-064	8,458	7,749	7,169	7,278	6,111	9,810	10,474	9,970	10,458	10,165	8,362	6,822
002-065	4,196	3,568	3,288	3,943	3,683	5,115	5,720	5,676	5,077	4,485	4,139	3,565
002-066	19,655	18,580	17,703	20,589	19,303	22,410	27,013	28,714	27,445	28,309	27,852	27,683
002-067	3,845	3,732	3,504	4,397	5,291	6,338	6,037	5,167	5,920	6,441	6,186	5,036
002-068	6,885	6,279	4,106	3,750	2,868	7,655	6,649	6,481	6,992	6,405	6,767	4,568
002-069	11,797	10,345	11,164	12,921	12,038	22,271	25,107	26,112	24,709	20,793	14,389	12,537
002-070	17,468	14,498	13,470	17,769	17,777	31,250	33,700	29,919	25,970	25,016	23,293	18,372
002-071	8,701	9,252	8,699	10,894	11,236	11,610	11,654	12,020	10,596	9,867	9,491	8,093
002-072	25,574	31,315	22,124	22,309	20,759	28,371	25,103	20,946	18,214	17,804	16,923	11,338
002-073	7,708	5,713	5,203	7,198	6,979	13,868	17,248	16,226	15,183	14,465	14,158	10,089

APPENDIX H MONTHLY ABSTRACTION PER FARM (1996-2000) PHASE 2

Farm no	Dec.96	Jan.97	Feb.97	Mar.97	Apr.97	May.97	Jun.97	Jul.97	Aug.97	Sep.97	Oct.97	Nov.97
002-074	8,657	8,635	8,354	8,806	7,823	11,034	13,157	11,483	8,402	7,189	9,512	10,214
002-075	9,372	9,097	11,254	13,523	12,185	13,863	13,152	12,436	11,009	12,179	15,446	11,218
002-076	14,369	14,501	13,626	15,772	15,728	15,743	15,153	15,257	15,649	16,219	16,686	15,958
002-077	162	745	1,924	4,594	3,931	3,632	2,283	4,072	4,269	4,106	3,997	4,161
002-078	4,756	4,805	5,275	6,936	8,071	8,914	7,129	7,029	6,723	6,276	6,189	4,899
002-079	27,855	27,745	26,726	28,528	26,249	36,008	35,368	37,879	36,641	34,131	32,245	28,702
002-080	12,878	10,642	9,209	11,167	12,149	15,113	16,757	19,556	18,786	10,005	15,086	10,856
002-081	10,560	10,259	9,410	10,719	11,475	16,832	17,813	17,215	16,708	15,742	14,673	11,176
002-082	16,098	11,035	8,824	9,175	9,468	12,816	14,232	14,228	13,192	12,011	10,344	8,366
002-083	6,648	4,986	4,779	4,981	6,821	14,084	12,567	13,763	12,482	14,036	13,262	8,649
002-084	27,926	31,619	22,136	28,605	36,773	51,269	47,522	49,118	48,897	47,221	46,804	38,152
002-086	11,064	9,476	9,895	11,673	10,944	17,382	16,715	16,826	17,656	16,139	17,574	13,648
002-087	2,879	3,063	2,929	3,273	3,078	4,508	4,394	4,943	3,931	3,455	2,927	1,752
002-088	15,380	13,477	11,862	13,268	13,963	21,485	18,315	18,529	17,116	14,821	13,522	10,199
002-089	28,211	22,183	19,420	23,500	26,476	40,432	41,968	40,173	36,794	33,393	30,388	25,531
002-090	30,496	27,407	22,418	25,982	28,149	38,850	49,870	47,626	40,037	38,514	35,413	23,651
002-091	12,672	8,868	8,460	9,895	9,883	20,081	17,123	16,415	10,693	7,669	7,076	6,181
002-092	20,282	18,855	18,009	21,433	22,696	30,594	29,624	25,613	20,175	18,043	18,203	13,125
002-093	6,498	6,339	6,421	7,047	7,234	11,387	11,574	11,565	9,323	7,192	7,197	5,288
002-094	3,122	4,533	4,134	4,332	3,366	2,539	3,320	5,736	5,211	4,552	4,266	3,713
002-095	12,979	10,030	10,688	10,981	9,958	13,586	14,015	13,149	13,265	13,622	12,614	8,733
002-096	16,330	18,834	20,958	25,128	19,759	30,152	33,095	30,089	29,531	30,255	24,252	19,782
002-097	6,570	6,593	6,256	6,919	6,161	7,885	7,749	7,328	7,443	6,749	6,402	5,018
002-098	21,236	21,603	20,398	24,060	24,580	30,764	33,506	34,878	31,709	28,434	25,158	19,174
002-099	11,290	11,340	12,749	12,824	13,988	19,326	20,508	18,732	16,184	14,964	13,490	10,740
002-100	21,871	13,451	16,768	19,144	19,566	40,419	47,935	50,757	56,606	49,728	45,464	35,542
002-101	1,738	5,861	9,227	6,008	6,658	8,991	7,997	8,452	7,608	6,871	3,828	10,814
002-102	6,279	4,592	5,690	5,979	6,343	10,389	9,692	9,457	9,255	8,869	8,266	6,278
002-103	899	740	734	700	677	1,081	895	870	690	556	241	112
002-104	18,294	10,345	11,094	12,911	13,275	23,759	26,500	19,146	17,152	13,820	12,770	9,085
002-105	2,293	1,983	1,729	1,161	552	1,947	2,138	3,056	2,080	2,661	3,964	1,684
002-106	20,958	18,997	18,863	23,024	22,841	30,836	30,058	33,109	30,658	27,678	26,081	20,020
002-107	3,253	3,293	3,127	3,509	3,023	3,832	4,080	4,514	4,861	4,997	5,313	4,468
002-108	10,585	10,664	11,326	13,281	18,798	21,975	20,958	20,988	18,965	16,662	15,737	14,032
002-109	4,206	3,785	2,248	2,456	4,846	5,406	5,076	4,953	4,662	4,662	3,721	3,866
002-110	17,120	14,538	16,130	14,877	20,519	34,773	34,310	27,680	27,865	24,253	22,355	16,145

APPENDIX H MONTHLY ABSTRACTION PER FARM (1996-2000) PHASE 2

Farm no	Dec.96	Jan.97	Feb.97	Mar.97	Apr.97	May.97	Jun.97	Jul.97	Aug.97	Sep.97	Oct.97	Nov.97
002-111	4,980	4,653	4,003	4,026	6,435	10,452	11,708	8,720	8,619	7,036	7,485	4,459
002-112	21,875	19,302	19,522	17,924	19,861	42,267	43,655	41,729	39,255	36,072	32,334	20,633
002-113	26,166	19,687	26,448	28,658	26,951	52,634	51,517	59,109	50,150	43,773	37,829	16,238
002-114	9,060	9,020	8,835	7,492	10,103	16,545	20,334	18,437	17,803	17,176	21,518	16,402
002-115	1,676	1,342	1,659	1,625	1,926	2,232	1,865	1,815	1,752	1,957	1,615	1,375

APPENDIX H MONTHLY ABSTRACTION PER FARM (1996-2000) PHASE 2

Farm no	Dec.97	Jan.98	Feb.98	Mar.98	Apr.98	May.98	Jun.98	Jul.98	Aug.98	Sep.98	Oct.98	Nov.98
002-001	9,754	8,600	9,482	12,282	11,931	15,685	18,588	21,858	21,469	19,256	15,897	11,012
002-002	18,280	18,208	16,528	24,481	28,202	34,682	30,033	25,022	23,875	21,511	23,030	19,326
002-003	6,875	8,221	8,435	10,650	9,599	8,338	6,718	4,605	4,278	5,482	6,460	7,484
002-004	19,763	18,927	18,868	28,919	34,770	41,224	41,518	41,840	34,014	27,027	23,889	20,685
002-005	4,037	3,774	3,389	4,691	5,060	5,252	5,283	5,803	5,607	5,142	5,095	4,775
002-006	11,263	10,503	11,115	14,247	14,236	15,394	13,852	12,720	11,671	11,200	10,617	9,970
002-007	19,961	19,889	19,671	27,206	30,769	32,982	29,682	28,347	26,659	26,939	27,088	22,771
002-008	7,335	6,408	5,479	7,060	7,828	6,201	3,496	1,996	1,287	946	973	1,487
002-009	25,309	24,399	22,998	30,565	33,171	41,311	41,123	39,264	30,501	24,807	24,364	22,791
002-010	13,535	13,176	14,592	19,874	22,358	25,614	24,902	22,529	21,316	17,161	15,268	10,246
002-011	6,980	6,667	5,585	9,745	11,509	12,737	11,203	10,120	9,289	8,729	8,686	6,342
002-012	31,035	28,298	26,558	34,230	33,890	35,665	35,633	38,347	36,982	33,902	34,213	32,093
002-013	6,547	5,976	5,852	7,635	8,076	7,588	8,305	7,992	6,403	5,241	5,007	4,069
002-014	10,133	9,485	7,782	10,003	10,381	12,517	11,230	10,306	9,830	9,486	8,813	8,261
002-015	7,794	7,206	7,529	10,944	12,878	15,982	14,874	14,113	12,830	12,654	11,948	9,001
002-016	2,347	2,238	2,253	3,111	3,369	3,192	2,046	1,583	1,549	2,181	2,682	2,143
002-017			10	5		0	0		0	5	8	2
002-018	4,743	4,362	3,940	5,081	2,543	1,445	1,904	1,601	2,478	1,664	1,168	2,179
002-019	3,436	3,778	3,806	4,232	4,293	4,340	3,845	4,119	3,747	3,519	3,336	3,299
002-020	9,240	8,977	9,358	12,041	12,652	13,711	12,913	14,369	16,107	15,420	11,207	9,785
002-021	6,517	3,280	5,104	9,450	13,321	18,013	16,759	15,127	15,439	12,807	12,852	12,177
002-022	6,352	5,432	6,308	11,582	13,486	16,674	17,161	14,818	12,551	11,551	11,461	9,187
002-023	9,125	10,385	10,167	12,543	12,558	13,197	11,601	10,355	11,175	8,671	7,833	6,241
002-024	8,088	7,418	7,334	10,192	11,735	14,798	14,967	15,646	14,379	12,857	13,636	12,106
002-025	3,984	3,350	3,340	4,974	6,093	7,312	6,503	6,100	5,555	5,408	5,220	5,074
002-026	25,072	24,562	23,723	30,500	33,507	40,775	44,593	46,545	44,811	37,564	35,451	30,469
002-027	37,079	36,679	36,914	48,412	53,234	48,275	48,839	53,538	51,866	45,750	43,255	33,599
002-028	32,989	32,929	41,919	75,860	81,781	91,753	96,081	96,540	93,951	83,828	79,252	60,715
002-029	1,692	1,609	1,141	1,881	2,453	3,162	2,872	2,236	2,050	1,571	553	702
002-030												
002-031	1,240	1,474	1,371	2,268	2,488	2,715	1,944	1,274	1,608	1,678	1,257	928
002-033	3,506	3,598	2,322	2,535	3,549	5,731	7,233	6,932	5,167	4,381	3,492	2,197
002-034	6,900	7,769	7,838	9,560	10,595	12,975	12,607	10,130	6,160	3,429	3,969	3,976
002-035	10,515	10,711	9,272	11,578	12,891	15,607	15,748	16,001	16,066	13,559	12,082	11,416
002-036	2,493	2,275	2,022	2,845	3,258	4,082	3,786	3,598	3,425	3,353	3,446	3,341
002-037	420	347	192	270	345	385	387	480	341	150	139	140

APPENDIX H MONTHLY ABSTRACTION PER FARM (1996-2000) PHASE 2

Farm no	Dec.97	Jan.98	Feb.98	Mar.98	Apr.98	May.98	Jun.98	Jul.98	Aug.98	Sep.98	Oct.98	Nov.98
002-038	1,108	1,028	1,759	2,859	2,565	2,562	1,916	494	306	812	1,745	2,484
002-039	3,883	4,261	4,550	6,272	6,498	6,614	6,100	5,699	5,437	5,236	4,475	3,230
002-040	43,272	41,421	35,608	43,294	43,697	43,592	38,055	39,543	38,092	37,440	40,530	44,485
002-041	1,058	1,002	913	914	898	1,220	1,180	1,119	985	900	852	864
002-042	4,444	3,638	4,249	5,277	5,188	5,429	5,124	4,983	4,353	3,049	1,648	1,473
002-043	655	674	623	607	636	948	1,029	943	644	310	267	408
002-044	3,403	3,622	4,049	6,081	7,023	7,239	4,048	3,955	4,748	4,177	1,831	3,212
002-045	2,380	2,947	3,842	5,072	5,124	5,935	6,013	5,479	4,902	4,699	4,619	4,176
002-046	0		10	7								
002-047	12,965	14,320	14,598	17,552	21,510	19,160	22,074	17,870	17,310	11,384	10,028	13,254
002-048	10,163	8,618	9,228	14,105	15,063	15,737	13,354	10,723	8,927	6,656	5,296	6,035
002-049	11,792	12,504	11,991	15,921	18,238	19,155	15,210	13,944	9,696	8,890	9,229	6,967
002-050	7,911	7,818	7,787	8,949	9,496	10,476	8,419	6,720	5,024	4,287	3,591	2,968
002-051	1,903	2,074	1,727	2,218	2,491	2,379	2,121	2,301	2,384	2,151	1,564	1,406
002-052	7,031	7,691	7,386	10,409	12,784	14,626	14,903	18,249	16,852	15,979	15,628	12,939
002-053	10,483	10,271	10,220	14,425	17,124	20,387	20,794	21,920	21,331	18,580	13,230	12,934
002-054	7,527	7,699	8,103	10,908	12,373	15,020	15,457	15,623	14,945	14,709	12,803	8,685
002-055	2,772	2,768	2,652	2,990	3,377	4,532	4,429	4,539	4,607	4,766	5,262	3,587
002-056	1,113	1,260	1,884	4,626	6,160	5,369	2,688	1,793	1,945	2,969	4,673	4,239
002-057	6,529	6,891	6,484	8,192	8,641	9,168	8,821	8,894	8,678	8,016	7,627	7,342
002-058	769	2,627	4,435	7,053	8,830	4,600						
002-059	10,219	10,642	9,707	11,249	10,882	9,062	7,233	8,215	9,272	9,286	11,050	11,417
002-060	2,381	2,436	2,391	2,359	4,637	4,953	3,020	1,986	1,885	1,917	1,914	1,630
002-061	9,131	9,207	8,878	12,703	15,850	18,175	16,905	16,272	14,865	12,967	10,389	9,226
002-062	2,646	2,645	2,544	3,831	4,651	5,491	5,244	4,243	2,476	2,255	2,100	1,672
002-063	4,318	4,371	4,095	6,165	7,754	8,086	7,855	7,473	7,190	6,492	6,320	5,900
002-064	6,267	6,687	5,937	7,344	9,604	13,022	14,243	14,050	11,117	9,119	9,151	8,245
002-065	3,337	3,201	3,200	4,256	4,696	5,638	5,841	5,562	5,069	4,584	4,543	4,014
002-066	27,842	27,943	25,423	30,147	28,520	31,476	32,001	34,246	31,350	28,263	30,203	29,188
002-067	4,495	4,369	4,054	5,753	7,127	8,345	7,899	7,222	6,695	6,575	6,749	6,509
002-068	4,496	3,877	3,557	5,980	6,678	7,948	6,581	5,734	6,121	6,432	6,444	5,493
002-069	12,480	11,247	10,131	13,798	16,104	19,522	19,290	16,311	14,796	13,749	12,672	10,537
002-070	16,515	18,978	18,109	23,815	24,898	26,513	27,117	27,896	26,902	25,720	25,397	23,242
002-071	7,531	6,935	5,955	7,264	8,135	10,156	9,906	7,811	7,249	7,320	6,814	5,480
002-072	10,294	10,943	11,877	15,592	16,319	17,988	18,351	16,938	13,416	12,774	14,274	12,529
002-073	8,293	8,391	7,045	11,224	14,021	16,273	16,055	15,193	14,943	14,570	14,322	10,013

APPENDIX H MONTHLY ABSTRACTION PER FARM (1996-2000) PHASE 2

Farm no	Dec.97	Jan.98	Feb.98	Mar.98	Apr.98	May.98	Jun.98	Jul.98	Aug.98	Sep.98	Oct.98	Nov.98
002-074	8,346	7,498	8,199	12,731	13,411	16,225	16,369	15,451	14,506	14,329	14,924	12,383
002-075	7,296	8,548	5,314	3,584	6,327	15,896	12,993	12,978	10,981	11,524	16,342	17,169
002-076	16,277	15,590	13,858	18,459	18,742	18,185	16,739	16,522	16,072	15,150	15,185	13,993
002-077	4,574	3,568	1,969	4,490	4,623	4,437	3,830	2,796	2,771	3,148	3,532	3,093
002-078	4,296	5,089	5,660	6,584	6,377	6,664	6,303	6,199	5,288	5,470	4,093	3,390
002-079	28,545	25,254	24,238	32,017	37,170	40,529	37,698	36,215	37,561	34,140	33,784	31,961
002-080	9,575	9,315	7,021	10,492	12,580	11,731	10,889	11,022	9,745	8,488	9,155	8,536
002-081	10,334	10,920	11,394	15,586	17,403	19,830	18,549	17,508	16,004	14,609	14,672	13,491
002-082	7,693	7,473	7,544	10,986	12,500	14,591	14,070	13,997	13,288	12,900	13,019	10,723
002-083	8,329	7,308	8,000	11,533	13,082	19,994	17,914	16,790	14,404	12,710	11,580	7,862
002-084	35,387	38,545	37,352	46,218	42,623	41,155	43,008	46,377	42,532	37,285	38,647	31,640
002-086	12,154	12,059	9,306	13,717	17,732	20,054	18,511	16,201	14,588	16,537	15,572	13,867
002-087	2,024	2,888	2,437	4,163	6,388	14,871	17,426	18,528	16,978	15,518	16,515	14,997
002-088	9,765	10,130	7,204	12,155	18,731	21,756	21,992	21,253	19,200	16,914	15,958	13,427
002-089	22,716	19,194	19,828	23,262	30,575	38,675	40,838	42,355	35,368	26,921	28,437	27,979
002-090	21,402	24,937	25,385	33,726	38,471	44,168	43,591	36,534	23,166	24,181	26,890	19,118
002-091	6,381	5,027	3,110	6,778	7,404	6,130	3,981	4,196	9,229	13,255	17,588	16,986
002-092	13,323	13,579	11,815	16,697	19,458	24,647	23,582	22,706	25,017	25,721	25,199	21,721
002-093	4,369	3,920	3,538	4,631	5,811	5,882	4,896	4,330	2,407	2,330	2,407	2,544
002-094	4,249	3,971	3,464	4,635	5,111	5,541	5,285	5,325	5,207	5,506	5,544	4,626
002-095	9,411	9,772	9,151	12,416	14,314	17,058	21,622	22,413	23,440	21,868	20,414	18,332
002-096	19,370	14,398	16,507	23,597	30,433	33,922	32,945	27,884	31,974	23,293	19,324	18,709
002-097	5,772	5,186	4,970	6,209	6,747	7,113	6,654	9,644	10,047	9,571	8,772	7,249
002-098	19,219	19,461	19,978	26,208	28,922	32,197	32,695	32,920	29,957	26,054	26,641	24,091
002-099	11,370	10,407	9,937	13,117	15,111	17,115	16,136	14,538	14,536	13,215	13,570	11,993
002-100	30,772	26,225	27,531	39,535	52,429	62,617	64,609	65,611	64,274	49,271	47,054	37,665
002-101	9,239	5,925	5,745	6,610	12,727	12,372	7,914	16,875	18,243	17,345	18,509	17,283
002-102	6,253	5,227	5,029	6,511	7,125	7,805	7,940	7,984	8,320	7,229	6,236	4,055
002-103	199	262	231	334	396	472	388	333	119	60	71	39
002-104	9,004	8,255	9,432	10,981	11,200	18,388	20,099	21,786	18,622	15,762	17,643	13,035
002-105	2,003	1,392	1,547	2,222	2,696	4,018	3,839	2,866	3,177	2,030	1,409	1,251
002-106	14,530											
002-107	3,865	2,770	2,281	3,330	3,678	4,327	4,529	4,889	4,882	4,403	4,094	3,784
002-108	15,687	14,687	13,051	16,536	17,062	18,891	19,304	18,364	16,725	15,461	13,713	12,503
002-109	4,147	3,734	3,035	4,318	4,982	5,896	5,265	4,753	4,960	4,440	3,877	3,756
002-110	17,212	16,884	15,432	21,243	26,821	30,222	29,201	28,919	27,861	24,721	22,274	19,127

APPENDIX H MONTHLY ABSTRACTION PER FARM (1996-2000) PHASE 2

Farm no	Dec.97	Jan.98	Feb.98	Mar.98	Apr.98	May.98	Jun.98	Jul.98	Aug.98	Sep.98	Oct.98	Nov.98
002-111	4,437	5,155	6,017	4,878	5,436	8,367	8,662	6,418	5,010	4,174	4,215	3,768
002-112	21,497	21,773	18,277	30,456	35,947	46,747	45,802	42,622	46,758	38,191	33,245	26,162
002-113	14,131	12,288	9,969	15,696	19,485	23,754	20,572	19,320	19,559	15,182	18,125	16,382
002-114	13,744	12,464	10,801	13,269	17,988	19,865	20,944	16,591	13,869	18,502	16,435	12,959
002-115	1,228	822	701	478	601	1,034	780	934	707	295	163	245

APPENDIX H MONTHLY ABSTRACTION PER FARM (1996-2000) PHASE 2

Farm no	Dec.98	Jan.99	Feb.99	Mar.99	Apr.99	May.99	Jun.99	Jul.99	Total	1996-97	1997-98	1998-99
002-001	11,305	9,162	9,311	10,240	12,626	18,881	17,743	10,609	492,324	154,978	160,939	183,662
002-002	17,474	17,970	16,575	24,200	27,277	31,301	27,680	10,121	877,318	317,594	278,749	280,975
002-003	7,770	7,350	6,231	9,676	10,529	8,852	7,019	2,620	284,478	97,100	102,455	84,922
002-004	16,959	14,825	12,220	20,002	27,553	32,657	30,419	11,875	1,100,671	407,240	371,676	321,755
002-005	4,239	3,734	3,204	4,650	5,172	6,043	6,103	2,438	159,077	45,416	55,705	57,956
002-006	8,464	7,186	7,151	9,736	10,517	11,610	11,410	4,569	499,133	201,963	168,691	128,480
002-007	19,875	18,753	17,231	20,063	18,396	21,758	19,967	7,197	826,712	243,472	294,454	288,786
002-008	1,517	930	487	145					334,716	142,916	172,335	19,465
002-009	20,206	19,796	19,137	24,422	26,478	31,657	26,552	9,169	1,252,585	469,844	448,540	334,201
002-010	9,235	8,395	11,046	14,909	18,786	21,645	21,048	7,797	742,080	283,153	259,520	199,407
002-011	5,172	6,133	5,131	8,113	10,383	11,730	10,258	3,595	292,611	82,535	108,040	102,037
002-012	29,224	24,544	19,602	26,799	30,734	40,614	38,247	14,158	1,108,274	342,803	387,732	377,739
002-013	3,300	3,014	2,418	4,680	5,480	5,261	3,596	1,113	261,210	103,646	94,065	63,499
002-014	7,719	7,131	6,712	8,941	10,155	12,114	11,417	4,383	412,624	163,690	137,833	111,101
002-015	7,343	7,055	7,255	10,770	12,421	13,388	11,934	4,234	365,221	107,667	121,307	136,247
002-016	1,706	1,555	1,776	3,081	2,957	2,590	2,142	738	145,628	63,148	56,030	26,450
002-017									57,983	44,452	13,515	16
002-018	2,612	2,559	2,355	3,782	4,901	6,927	7,361	2,725	216,280	110,064	77,568	28,649
002-019	3,196	3,014	2,335	3,589	4,174	4,542	3,853	1,325	140,162	45,742	51,907	42,513
002-020	11,302	10,350	7,489	7,246	6,664	14,404	16,483	5,963	425,714	147,813	141,337	136,564
002-021	10,230	7,866	8,847	11,872	13,660	16,836	15,406	5,431	450,114	155,471	138,995	155,649
002-022	7,481	6,122	7,411	10,697	12,920	13,800	12,754	4,655	400,344	136,146	126,164	138,033
002-023	5,758	5,519	5,219	7,601	9,473	11,112	11,524	4,336	340,626	102,373	135,609	102,644
002-024	11,011	11,116	9,531	6,090	11,735	14,798	14,967	15,646	445,978	155,022	143,084	147,871
002-025	3,711	3,415	3,445	4,585	6,366	7,467	6,623	2,146	181,040	53,478	64,869	62,694
002-026	27,439	24,462	20,432	31,857	40,598	47,194	44,126	22,757	1,202,386	378,033	399,356	424,997
002-027	31,440	29,423	23,818	28,394	31,197	41,840	45,211	15,328	1,646,661	574,151	603,114	469,395
002-028	42,378	39,414	33,855	57,608	75,015	93,601	88,180	28,786	2,526,575	853,050	823,134	850,390
002-029	987	286	0	1,156	2,765	5,389	4,153	998	61,742	22,598	20,805	18,339
002-030									121	121	0	0
002-031	665	546	305	682	1,235	1,448	1,084	547	57,682	23,394	19,451	14,837
002-033	1,425	1,141	994	1,864	3,442	4,502	3,094	1,334	160,191	71,479	44,710	44,002
002-034	3,310	2,706	2,571	3,595	3,908	4,627	4,968	2,861	251,759	67,721	114,703	69,336
002-035	10,356	8,911	6,843	8,987	11,276	12,937	12,338	5,603	469,285	172,187	150,247	146,852
002-036	3,138	2,799	2,344	2,824	3,321	3,769	3,649	1,695	107,062	30,396	37,208	39,457
002-037	94	73	121	191	195	229	299	161	32,488	20,300	9,490	2,697

APPENDIX H MONTHLY ABSTRACTION PER FARM (1996-2000) PHASE 2

Farm no	Dec.98	Jan.99	Feb.99	Mar.99	Apr.99	May.99	Jun.99	Jul.99	Total	1996-97	1997-98	1998-99
002-038	2,509	2,523	2,603	4,063	4,716	4,751	3,965	1,615	236,530	129,069	80,727	26,733
002-039	3,581	4,529	3,830	4,896	5,558	5,229	4,900	2,280	198,919	71,141	68,593	59,185
002-040	45,910	45,688	39,023	41,342	40,901	37,515	33,499	14,813	1,588,316	590,951	502,763	494,602
002-041	895	854	785	1,004	1,123	1,185	1,084	488	38,179	13,153	13,243	11,783
002-042	2,002	2,035	1,692	2,098	2,023	2,117	2,009	795	199,616	86,120	77,586	35,910
002-043	554	749	785	894	1,020	973	332		45,940	21,067	16,324	8,549
002-044	1,347	2,287	950	1,694	3,608	5,690	5,755	2,444	146,501	55,069	52,334	39,098
002-045	3,832	3,323	2,862	4,024	3,687	5,278	5,671	4,101	161,693	60,924	47,219	53,549
002-046									24,020	20,080	3,939	0
002-047	15,495	15,561	16,867	22,921	25,440	32,572	28,872	11,328	649,482	212,247	229,872	207,363
002-048	5,821	4,896	4,554	6,801	8,646	10,014	8,218	3,152	447,801	180,695	169,662	97,444
002-049	5,750	7,280	6,812	9,686	10,038	10,509	10,302	4,263	489,540	170,825	196,059	122,656
002-050	3,492	3,601	3,303	5,092	6,156	7,023	6,150	2,421	363,596	169,089	131,378	63,129
002-051	1,517	1,306	1,062	1,241	989	797	886	384	126,703	70,297	35,984	20,422
002-052	9,693	7,567	8,028	10,946	14,025	11,561	6,384	3,996	407,750	125,236	123,077	159,437
002-053	11,414	10,609	10,637	15,148	15,792	13,452	11,927	7,497	537,048	162,769	181,503	192,776
002-054	3,798	347	998	1,073	3,455	8,927	8,643	4,891	374,177	130,225	137,041	106,912
002-055	1,317	1,642	2,720	2,843	2,984	3,970	3,296	1,610	99,559	15,948	40,382	43,228
002-056	3,043	2,609	3,479	5,500	6,340	4,424	1,759	1,008	101,969	27,595	29,728	44,646
002-057	7,285	7,230	7,182	8,300	7,530	6,546	5,827	2,977	288,500	97,709	94,717	96,074
002-058									213,781	138,595	70,587	4,600
002-059	10,341	9,636	8,726	11,309	11,952	13,814	13,995	8,139	471,399	192,488	161,412	117,499
002-060	1,348	1,199	1,085	1,997	2,790	2,626	1,437	559	184,918	113,241	45,953	25,724
002-061	8,493	7,159	6,769	9,290	10,292	8,555	7,616	4,364	475,091	173,838	160,450	140,802
002-062	1,438	1,323	1,230	1,685	2,181	2,703	2,808	1,665	125,351	43,456	50,557	31,337
002-063	5,735	4,837	3,550	5,503	7,621	8,210	7,572	4,605	226,315	74,342	75,411	76,562
002-064	7,610	7,315	6,603	7,805	8,991	11,318	12,573	8,400	342,742	123,571	101,900	117,271
002-065	3,601	3,315	3,282	4,073	4,500	5,610	5,634	3,449	167,167	60,679	52,467	54,021
002-066	29,637	27,531	26,069	28,846	31,260	32,810	32,520	22,330	985,992	296,619	329,302	360,071
002-067	5,634	4,322	3,913	4,785	5,950	7,372	7,858	5,292	198,313	56,792	66,922	74,598
002-068	3,864	1,943	3,180	5,048	5,536	4,940	3,829	3,222	217,140	82,713	70,103	64,323
002-069	8,612	7,528	8,445	10,656	12,428	15,130	15,510	10,020	560,847	196,624	209,677	154,547
002-070	21,197	17,722	17,865	22,204	26,322	30,100	29,906	18,225	838,779	260,849	289,834	288,096
002-071	5,177	4,979	4,266	5,668	6,546	7,861	7,884	4,605	308,406	117,885	109,150	81,370
002-072	9,296	7,858	9,321	12,092	12,773	13,917	14,134	8,005	692,348	331,015	203,724	157,609
002-073	7,638	6,830	6,993	5,506	5,631	15,020	15,646	10,547	424,376	140,197	150,210	133,968

APPENDIX H MONTHLY ABSTRACTION PER FARM (1996-2000) PHASE 2

Farm no	Dec.98	Jan.99	Feb.99	Mar.99	Apr.99	May.99	Jun.99	Jul.99	Total	1996-97	1997-98	1998-99
002-074	10,552	9,293	9,613	14,228	17,108	20,097	20,251	13,011	415,542	129,386	121,176	164,981
002-075	15,557	12,934	12,299	15,577	17,390	16,729	11,367	6,051	429,687	137,675	120,372	171,639
002-076	12,412	10,289	9,750	13,415	14,824	16,032	16,126	10,539	542,178	176,050	193,593	172,535
002-077	2,818	2,716	2,627	3,228	3,440	4,115	4,319	2,687	113,018	28,839	45,743	38,436
002-078	4,061	3,839	3,723	4,909	5,519	5,570	5,349	3,656	205,293	70,668	75,165	59,460
002-079	28,593	26,876	25,824	32,496	37,038	43,289	41,426	25,979	1,167,776	376,861	388,198	402,717
002-080	7,347	6,176	7,059	8,821	10,441	11,946	11,340	7,533	426,378	161,827	155,143	109,408
002-081	13,079	12,676	10,833	13,864	15,827	12,296	6,177	3,692	503,615	146,877	175,797	180,941
002-082	8,492	7,102	6,574	8,436	10,781	11,981	12,067	7,895	415,212	149,857	131,383	133,972
002-083	7,004	4,170	6,152	7,159	10,274	17,140	17,261	14,825	379,681	106,573	137,096	136,012
002-084	30,163	29,649	25,381	28,402	32,545	34,963	32,702	20,502	1,403,954	448,060	529,109	426,785
002-086	12,756	9,674	9,220	12,358	15,886	17,703	16,489	12,903	524,766	168,636	180,907	175,224
002-087	14,593	14,903	13,973	16,472	17,238	17,696	16,764	10,671	283,257	47,437	43,810	192,011
002-088	10,623	9,932	10,342	12,525	16,906	20,360	19,005	14,446	587,960	225,160	171,971	190,828
002-089	24,338	22,685	17,885	21,639	34,290	42,657	44,532	35,416	1,090,458	364,794	364,254	361,410
002-090	18,874	20,817	17,140	19,836	26,980	31,923	28,591	28,402	1,156,370	417,191	417,881	321,297
002-091	15,162	13,906	12,781	12,794	18,426	21,686	19,558	11,410	431,990	173,620	113,938	144,432
002-092	16,728	13,824	11,618	15,984	21,157	22,663	20,264	13,087	825,566	347,414	230,249	247,904
002-093	3,356	3,416	3,622	4,881	4,723	5,010	5,142	4,103	247,295	116,705	85,796	44,793
002-094	4,626	4,205	4,482	6,093	7,096	7,393	6,844	6,227	154,408	40,105	50,767	63,537
002-095	18,227	16,355	14,382	21,417	27,741	31,549	29,934	26,104	568,831	181,514	144,048	243,269
002-096	14,494	12,500	11,326	14,137	21,330	27,365	25,439	22,977	888,671	325,374	301,460	261,838
002-097	7,152	5,946	6,284	8,493	10,086	13,207	13,394	9,758	261,605	87,135	77,458	97,012
002-098	23,981	23,528	22,722	25,472	28,895	29,788	29,823	22,920	962,641	316,077	317,411	329,153
002-099	10,606	9,574	9,178	12,063	14,651	16,306	15,245	12,348	529,730	198,670	173,885	157,175
002-100	32,263	27,745	25,656	38,102	50,121	58,467	59,303	52,084	1,502,430	434,500	502,942	564,987
002-101	16,740	13,412	11,340	15,451	17,716	16,241	11,986	6,661	371,714	93,706	94,807	183,201
002-102	3,230	2,820	2,774	3,658	4,686	5,518	5,710	4,584	236,564	77,477	92,351	66,736
002-103	27	44							24,504	17,082	5,868	1,554
002-104	8,119	7,360	8,978	12,163	16,168	17,959	16,377	13,259	617,961	268,736	171,103	178,122
002-105	1,060	1,189	1,623	2,238	2,111	2,765	3,452	2,774	101,582	47,379	27,391	26,812
002-106									521,972	309,001	212,971	0
002-107	3,866	3,464	4,048	3,900	3,834	4,303	3,911	2,284	142,458	44,451	47,990	50,018
002-108	11,548	12,690	13,325	12,849	12,677	14,394	15,305	10,635	599,542	215,152	206,339	178,050
002-109	4,088	1,730	3,912	4,425	5,064	5,510	5,366	4,426	155,964	51,238	52,560	52,166
002-110	19,985	19,627	18,828	20,809	26,503	28,265	27,025	23,686	814,045	240,993	284,973	288,078

APPENDIX H MONTHLY ABSTRACTION PER FARM (1996-2000) PHASE 2

Farm no	Dec.98	Jan.99	Feb.99	Mar.99	Apr.99	May.99	Jun.99	Jul.99	Total	1996-97	1997-98	1998-99
002-111	3,492	2,478	3,351	3,838	5,421	6,598	6,186	5,784	228,081	84,488	84,400	59,192
002-112	24,926	18,814	20,914	23,197	36,029	43,623	41,670	37,306	1,164,891	377,589	383,895	403,407
002-113	10,967	4,362	5,406	6,048	7,533	5,029	9,191	9,497	905,058	355,031	382,818	167,208
002-114	10,891	9,030	9,090	9,917	11,677	14,743	14,765	12,720	517,003	150,754	196,480	169,769
002-115	340	244	395	592	373	458	486		46,524	23,981	16,441	6,102

APPENDIX H MONTHLY ABSTRACTION PER FARM (1996-2000) PHASE 2

Farm no	May_99	Jun_99	Jul_99	Aug_99	Sep_99	Oct_99	Nov_99	Dec_99	Jan_00	Feb_00	Mar_00	Apr_00	Total
002-040	37,515	33,499	28,227	24,227	20,479	18,975	16,242	14,451	16,013	15,217	16,286	17,129	258,261
002-041	1,185	1,084	1,111	1,046	968	907	862	1,044	1,193	1,136	1,295	1,239	13,069
002-042	2,117	2,009	1,342	942	3,765	1,889	1,626	1,708	1,687	1,635	1,947	1,896	22,563
002-043	973	914	1,062	980	1,252	1,196	789	702	565	253	257	451	9,396
002-044	5,690	5,755	5,784	5,323	4,561	4,178	3,676	3,611	3,504	3,419	4,712	4,020	54,234
002-045	1,939	2,008	2,109	3,129	4,244	2,437	531	321	333	377	671	1,282	19,381
002-046													-
002-047	32,572	28,872	23,565	20,566	15,467	15,107	11,314	6,164	6,034	8,771	14,252	18,147	200,832
002-048	10,014	8,218	5,548	4,428	3,904	2,724	2,331	2,232	2,827	3,340	3,272	3,176	52,014
002-049	10,509	10,302	9,252	8,190	7,584	6,965	5,884	5,194	5,020	7,070	9,430	7,186	92,587
002-050	7,023	6,150	5,196	4,812	4,048	4,051	4,318	4,229	4,076	4,093	5,378	6,907	60,281
002-051	355	354	216	49									974
002-052	11,561	6,384	9,339	14,625	14,368	10,637	7,476	6,844	7,784	8,877	11,298	10,256	119,450
002-053	13,452	11,927	16,446	16,182	11,346	11,507	8,585	7,064	5,623	7,780	8,565	9,856	128,335
002-054	8,927	8,643	8,632	8,407	7,552	7,846	7,640	8,133	8,624	7,562	8,366	8,796	99,129
002-055	3,970	3,296	3,402	3,735	3,397	3,353	2,729	2,051	1,885	2,842	3,655	4,394	38,709
002-056	4,424	1,759	2,331	2,921	3,623	4,628	3,036	2,654	3,713	5,433	6,883	6,026	47,431
002-057	6,546	5,827	5,739	4,777	4,340	4,830	4,356	4,391	4,127	5,282	5,879	5,316	61,411
002-058													-
002-059	13,814	13,995	13,778	12,791	11,429	10,216	9,036	10,374	10,372	6,904	3,921	0	116,629
002-060	2,626	1,437	977	889	1,158	1,851	1,362	959	2,140	4,124	4,260	2,561	24,344
002-061	8,555	7,616	6,963	6,682	6,192	5,377	4,469	4,700	4,587	3,933	3,961	5,250	68,286
002-062	2,703	2,808	2,790	2,283	1,771	1,794	1,650	1,543	1,485	1,499	1,903	2,311	24,541
002-063	8,210	7,572	7,720	7,298	7,209	8,098	8,168	8,106	7,278	6,568	7,041	8,062	91,328
002-064	11,318	12,573	13,346	11,270	8,482	8,072	7,769	7,389	8,894	7,361	6,868	8,837	112,179
002-065	5,610	5,634	5,466	4,791	3,951	3,932	3,941	3,878	4,074	3,914	4,057	4,773	54,020
002-066	32,810	32,520	32,163	31,081	29,935	27,401	26,738	29,409	28,963	27,012	28,989	28,815	355,835
002-067	7,372	7,858	7,578	7,113	7,030	7,299	6,644	6,303	5,372	5,315	5,840	6,526	80,250
002-068	4,940	3,829	5,605	7,217	6,813	6,499	4,774	5,657	6,658	6,158	6,957	8,010	73,117
002-069	15,130	15,510	15,407	13,348	12,017	11,902	10,974	9,698	8,451	9,429	10,745	12,225	144,836
002-070	30,100	29,906	29,595	27,530	24,880	25,483	22,725	22,011	21,295	19,641	23,909	25,956	303,033
002-071	7,861	7,884	7,573	7,159	5,691	4,253	2,934	1,977	2,074	2,150	2,198		51,754
002-072	13,917	14,134	12,043	9,364	7,946	7,467	5,643	4,888	4,697	7,058	8,814	9,877	105,848
002-073	15,020	15,646	16,329	14,742	12,720	10,061	8,745	8,959	8,973	9,696	12,953	16,202	150,046
002-074	20,097	20,251	19,819	17,989	15,548	15,770	14,685	12,975	13,398	14,776	18,314	18,961	202,582
002-075	16,729	11,367	9,536	11,491	15,681	20,681	18,903	16,309	12,645	15,633	19,745	17,890	186,611
002-076	16,032	16,126	16,073	14,042	11,934	13,075	11,984	11,319	11,485	11,295	12,915	13,317	159,597
002-077	4,115	4,319	4,121	4,126	4,153	4,211	3,806	4,015	4,313	4,412	4,634	4,316	50,540

APPENDIX H MONTHLY ABSTRACTION PER FARM (1996-2000) PHASE 2

Farm no	May_99	Jun_99	Jul_99	Aug_99	Sep_99	Oct_99	Nov_99	Dec_99	Jan_00	Feb_00	Mar_00	Apr_00	Total
002-001	12,460	10,743	11,782	13,135	12,352	12,369	10,803	9,312	7,472	7,875	9,641	10,334	128,279
002-002	31,301	27,680	22,367	24,168	22,891	21,589	16,272	12,842	13,228	13,682	19,429	23,697	249,145
002-003	8,852	7,019	5,352	4,171	4,160	4,586	3,904	4,146	4,992	5,112	5,362	4,691	62,347
002-004	32,657	30,419	30,950	27,659	23,673	22,968	20,082	19,397	21,447	23,144	27,115	30,045	309,556
002-005	6,043	6,103	6,647	6,144	5,255	5,244	5,174	4,837	4,753	4,827	5,443	6,467	66,938
002-006	11,610	11,410	12,019	11,981	10,869	12,176	11,278	8,748	5,696	4,095	5,013	9,341	114,235
002-007	21,758	19,967	19,739	20,138	17,850	15,882	12,805	11,239	12,064	12,735	15,447	18,973	198,597
002-008					551	950	919	950	950	888	2,911	3,571	11,689
002-009	31,657	26,552	32,957	32,178	23,212	15,946	10,957	8,961	8,259	7,473	12,168	11,162	221,481
002-010	21,645	21,048	20,127	20,052	17,391	15,861	11,601	10,743	10,311	7,358	11,544	13,517	181,198
002-011	11,730	10,258	10,161	10,144	3,874	147	4,549	6,753	6,711	6,127	8,126	9,626	88,206
002-012	40,614	38,247	34,866	35,057	31,560	33,710	32,944	32,682	31,747	22,558	24,070	30,784	388,838
002-013	5,261	3,596	2,200	644	147	74	56	52	71	30	3	4	12,137
002-014	12,114	11,417	11,357	10,340	8,464	7,639	6,492	5,125	4,659	7,068	10,462	11,020	106,157
002-015	13,388	11,934	10,603	10,406	9,576	10,176	8,823	7,230	7,354	6,223	10,561	21,054	127,326
002-016	2,590	2,142	2,115	1,982	1,754	2,024	1,794	1,674	1,690	1,508	1,868	2,240	23,381
002-017													-
002-018	6,927	7,361	8,025	6,532	6,971	6,929	5,136	3,561	3,867	5,000	6,145	6,422	72,875
002-019	4,542	3,853	3,702	3,496	3,291	3,231	2,844	2,758	2,864	2,642	3,257	3,406	39,886
002-020	14,404	16,483	16,896	15,424	11,836	11,779	10,933	9,828	10,250	11,480	14,613	14,668	158,593
002-021	16,836	15,406	16,187	16,297	12,971	13,113	13,184	12,208	11,087	10,662	13,149	14,428	165,527
002-022	13,800	12,754	13,570	12,442	9,823	10,341	9,792	9,831	10,177	8,739	10,768	12,893	134,930
002-023	11,112	11,524	11,179	10,802	9,325	8,238	8,108	7,536	7,180	7,009	9,423	9,671	111,108
002-024						5,754	9,389	8,976	8,273	8,169	10,939	11,525	63,025
002-025	7,467	6,623	7,291	6,413	5,174	5,467	4,071	3,684	3,494	3,526	5,413	5,727	64,351
002-026	37,235	32,810	33,306	31,694	27,828	23,065	22,814	24,729	26,143	25,108	28,829	32,797	346,357
002-027	41,840	45,211	43,869	37,801	34,539	33,059	32,019	28,474	25,701	24,909	43,325	50,421	441,169
002-028	93,601	88,180	93,045	70,181	64,946	63,946	52,673	40,684	41,506	47,353	61,029	83,103	800,247
002-029	5,389	4,153	2,645	3,563	3,380	3,514	3,278	3,228	3,239	2,571	3,033	4,380	42,373
002-030													-
002-031	1,448	1,084	1,318	1,467	1,043	1,060	1,196	1,248	1,385	1,333	1,295	1,790	15,668
002-033	4,502	3,094	1,678	1,660	1,715	1,070	924	569	327	920	1,840	2,816	21,115
002-034	4,627	4,968	5,479	5,208	4,348	4,071	3,785	3,674	3,346	3,436	3,695	4,130	50,766
002-035	12,937	12,338	13,098	12,859	10,710	10,546	9,280	8,245	8,083	7,898	10,386	11,225	127,605
002-036	3,769	3,649	3,705	3,712	3,917	3,941	3,175	2,748	2,684	2,580	3,141	3,393	40,415
002-037	229	299	267	133	153	103	63	85	49	56	88	123	1,646
002-038	4,751	3,965	3,908	3,907	3,997	4,441	4,062	4,003	3,691	3,147	4,497	5,659	50,028
002-039	5,229	4,900	4,994	5,267	3,672	3,477	3,262	2,278	2,466	3,055	4,630	5,597	48,826

APPENDIX H MONTHLY ABSTRACTION PER FARM (1996-2000) PHASE 2

Farm no	May_99	Jun_99	Jul_99	Aug_99	Sep_99	Oct_99	Nov_99	Dec_99	Jan_00	Feb_00	Mar_00	Apr_00	Total
002-078	5,570	5,349	5,270	4,825	4,252	4,056	3,569	3,728	3,895	3,732	4,322	4,910	53,480
002-079	43,289	41,426	36,449	32,831	32,554	33,390	31,314	30,415	27,745	23,634	23,002	35,884	391,931
002-080	11,946	11,359	11,719	11,385	9,952	9,042	8,976	9,139	8,660	8,597	9,856	25,646	136,276
002-081	12,296	6,177	5,522	5,031	4,738	4,888	4,705	4,898	4,479	4,701	5,458	6,151	69,044
002-082	11,981	12,067	12,416	11,920	10,853	11,575	10,023	8,986	7,665	3,918	204	13	101,623
002-083	17,140	17,261	16,072	12,810	11,251	11,014	9,935	7,998	10,048	7,344	10,901	12,804	144,576
002-084	34,963	32,702	31,337	31,605	30,570	30,111	28,388	23,032	26,338	26,477	27,641	28,106	351,271
002-086	17,703	16,489	16,410	15,930	16,297	16,308	15,719	14,943	13,774	11,425	16,070	16,536	187,603
002-087	17,696	16,764	16,611	16,296	15,106	15,358	14,721	15,558	16,396	15,966	17,368	17,706	195,545
002-088	20,360	19,005	17,156	10,167	10,502	3,261	3,387	4,312	4,440	4,387	6,090	6,634	109,701
002-089	42,657	44,532	43,573	32,469	21,181	21,539	20,022	19,003	16,560	11,387	16,867	18,132	307,923
002-090	31,923	28,591	36,981	33,624	24,096	32,398	22,392	21,898	24,074	23,296	34,273	40,021	353,567
002-091	21,686	19,558	14,894	15,554	15,075	14,436	13,883	16,016	14,082	12,960	17,645	16,095	191,884
002-092	22,663	20,264	16,393	13,973	11,459	11,118	10,387	10,818	11,900	11,636	15,998	16,236	172,843
002-093	5,010	5,142	4,985	4,515	3,794	2,271	4,131	3,859	3,824	2,853	1,947	1,508	43,840
002-094	7,393	6,844	7,677	7,267	6,381	6,856	5,576	4,902	5,557	5,667	6,465	7,233	77,818
002-095	31,549	29,934	31,957	28,081	18,450	19,731	22,064	19,489	20,042	21,063	26,075	27,198	295,633
002-096	27,365	25,439	27,995	26,106	25,371	21,046	16,193	15,377	14,269	12,079	14,988	22,977	249,203
002-097	13,207	13,394	11,854	10,482	8,797	9,165	7,322	5,559	5,503	6,339	8,339	9,838	109,799
002-098	29,788	29,823	28,195	27,942	28,209	19,821	24,686	21,802	20,960	22,770	25,338	26,061	305,394
002-099	16,306	15,245	15,408	15,222	12,851	13,256	11,337	10,647	9,542	9,735	12,590	15,302	157,441
002-100	58,467	59,303	64,474	62,998	55,186	43,800	38,633	34,646	32,753	33,653	39,073	49,368	572,354
002-101	16,241	11,986	8,099	8,923	13,759	14,643	12,080	9,369	9,322	10,600	15,179	17,046	147,247
002-102	5,518	5,710	5,548	4,710	3,585	3,114	2,380	2,073	2,197	2,090	2,465	3,090	42,479
002-103													-
002-104	17,959	16,377	15,727	12,483	10,626	8,015	7,167	5,718	4,969	4,020	5,811	5,906	114,778
002-105	2,765	3,452	3,409	3,377	3,471	2,804	2,049	1,657	528	826	760	623	25,721
002-106													-
002-107	4,303	3,911	3,131	4,144	3,238	4,420	3,975	3,462	3,521	4,085	4,344	4,197	46,730
002-108	14,394	15,305	11,866	9,344	7,320	8,434	8,887	7,741	8,392	7,132	8,850	10,862	118,528
002-109	5,510	5,366	5,075	4,981	4,421	4,585	4,249	4,111	4,350	4,109	4,449	4,835	56,042
002-110	28,265	27,025	26,981	25,027	19,271	17,028	18,253	16,771	18,595	17,768	20,517	17,765	253,266
002-111	6,598	6,186	6,604	6,261	5,171	4,929	4,438	4,083	3,608	4,516	5,698	6,662	64,753
002-112	43,623	41,670	42,530	39,677	30,893	27,881	19,211	15,537	14,128	16,368	15,815	15,546	322,880
002-113	4,429	6,192	6,398	5,779									22,799
002-114	14,743	14,765	13,926	12,478	12,217	11,861	11,443	9,595	9,624	10,918	13,113	15,569	150,253
002-115	458	486											944
Total	**1,615,816**	**1,520,275**	**1,496,229**	**1,380,820**	**1,209,555**	**1,155,314**	**1,036,279**	**951,441**	**939,119**	**926,311**	**1,136,341**	**1,297,120**	**14,664,621**

APPENDIX H SUMMARY OF ANNUAL ABSTRACTION

Farm No	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	Total
001-001	105,005	91,033	104,774	98,008	108,660	127,146	634,626
001-003	191,304	154,363	272,985	281,384	241,006	139,117	1,280,160
001-004	105,843	120,930	115,787	123,040	126,988	133,406	725,993
001-005	370,962	289,766	276,816	269,873	225,904	138,306	1,571,627
001-006	108,060	117,345	107,718	93,514	101,742	97,063	625,442
001-007	137,348	151,226	124,405	119,466	131,974	133,167	797,586
001-008	92,820	105,079	114,289	119,095	133,103	152,334	716,721
001-009	101,503	112,744	103,084	99,797	105,840	80,628	603,596
001-010	35,614	41,404	60,778	65,224	75,873	74,985	353,878
001-011	170,937	121,126	143,490	147,709	147,475	117,996	848,733
001-012	151,169	154,201	116,730	111,770	110,548	103,669	748,086
001-013	733,803	593,570	623,973	682,990	596,899	582,233	3,813,469
001-015	41,571	18,969	23,573	25,910	42,974	58,759	211,756
001-016	14,671	9,420	11,855	10,846	8,867	7,967	63,626
001-017	65,009	33,435	68,898	113,594	135,525	137,893	554,354
001-018	126,438	126,531	143,281	149,990	141,035	137,922	825,179
001-019	247,437	261,073	242,847	242,507	258,494	272,019	1,524,376
001-020	81,633	79,227	94,902	84,015	97,424	92,792	529,994
001-021	358,652	399,136	386,069	396,304	436,171	461,964	2,438,297
001-022	115,139	105,115	76,755	94,185	91,975	58,387	541,555
001-023	86,123	82,988	84,208	82,073	59,568	68,670	463,629
001-024	492,546	433,895	439,981	387,491	457,852	445,983	2,657,749
001-025	248,997	247,758	256,257	243,950	245,165	245,820	1,487,945
001-026	53,926	41,197	28,116	33,870	13,703	-	170,812
001-027	6,394	7,896	6,192	4,924	6,713	6,766	38,885
002-001			154,978	160,939	183,662	128,279	627,856
002-002			317,594	278,749	280,975	249,145	1,126,463
002-003			97,100	102,455	84,922	62,347	346,824
002-004			407,240	371,676	321,755	309,556	1,410,227
002-005			45,416	55,705	57,956	66,938	226,016
002-006			201,963	168,691	128,480	114,235	613,369
002-007			243,472	294,454	288,786	198,597	1,025,309
002-008			142,916	172,335	19,465	11,689	346,405
002-009			469,844	448,540	334,201	221,481	1,474,066
002-010			283,153	259,520	199,407	181,198	923,278
002-011			82,535	108,040	102,037	88,206	380,818
002-012			342,803	387,732	377,739	388,838	1,497,112
002-013			103,646	94,065	63,499	12,137	273,347
002-014			163,690	137,833	111,101	106,157	518,781
002-015			107,667	121,307	136,247	127,326	492,547
002-016			63,148	56,030	26,450	23,381	169,009
002-017			44,452	13,515	16	-	57,983
002-018			110,064	77,568	28,649	72,875	289,155
002-019			45,742	51,907	42,513	39,886	180,048
002-020			147,813	141,337	136,564	158,593	584,307
002-021			155,471	138,995	155,649	165,527	615,642
002-022			136,146	126,164	138,033	134,930	535,273
002-023			102,373	135,609	102,644	111,108	451,733
002-024			155,022	143,084	147,871	63,025	509,003
002-025			53,478	64,869	62,694	64,351	245,392
002-026			378,033	399,356	424,997	346,357	1,548,743
002-027			574,151	603,114	469,395	441,169	2,087,830
002-028			853,050	823,134	850,390	800,247	3,326,821
002-029			22,598	20,805	18,339	42,373	104,115
002-030			121			-	121

APPENDIX H SUMMARY OF ANNUAL ABSTRACTION

Farm No	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	Total
002-031			23,394	19,451	14,837	15,668	73,350
002-033			71,479	44,710	44,002	21,115	181,306
002-034			67,721	114,703	69,336	50,766	302,526
002-035			172,187	150,247	146,852	127,605	596,890
002-036			30,396	37,208	39,457	40,415	147,477
002-037			20,300	9,490	2,697	1,646	34,134
002-038			129,069	80,727	26,733	50,028	286,558
002-039			71,141	68,593	59,185	48,826	247,745
002-040			590,951	502,763	494,602	258,261	1,846,577
002-041			13,153	13,243	11,783	13,069	51,248
002-042			86,120	77,586	35,910	22,563	222,179
002-043			21,067	16,324	8,549	9,396	55,336
002-044			55,069	52,334	39,098	54,234	200,735
002-045			60,924	47,219	53,549	19,381	181,075
002-046			20,080	3,939		-	24,020
002-047			212,247	229,872	207,363	200,832	850,314
002-048			180,695	169,662	97,444	52,014	499,815
002-049			170,825	196,059	122,656	92,587	582,127
002-050			169,089	131,378	63,129	60,281	423,877
002-051			70,297	35,984	20,422	974	127,677
002-052			125,236	123,077	159,437	119,450	527,200
002-053			162,769	181,503	192,776	128,335	665,383
002-054			130,225	137,041	106,912	99,129	473,306
002-055			15,948	40,382	43,228	38,709	138,268
002-056			27,595	29,728	44,646	47,431	149,400
002-057			97,709	94,717	96,074	61,411	349,911
002-058			138,595	70,587	4,600	-	213,781
002-059			192,488	161,412	117,499	116,629	588,028
002-060			113,241	45,953	25,724	24,344	209,262
002-061			173,838	160,450	140,802	68,286	543,377
002-062			43,456	50,557	31,337	24,541	149,892
002-063			74,342	75,411	76,562	91,328	317,643
002-064			123,571	101,900	117,271	112,179	454,921
002-065			60,679	52,467	54,021	54,020	221,187
002-066			296,619	329,302	360,071	355,835	1,341,827
002-067			56,792	66,922	74,598	80,250	278,563
002-068			82,713	70,103	64,323	73,117	290,257
002-069			196,624	209,677	154,547	144,836	705,684
002-070			260,849	289,834	288,096	303,033	1,141,812
002-071			117,885	109,150	81,370	51,754	360,160
002-072			331,015	203,724	157,609	105,848	798,196
002-073			140,197	150,210	133,968	150,046	574,422
002-074			129,386	121,176	164,981	202,582	618,124
002-075			137,675	120,372	171,639	186,611	616,298
002-076			176,050	193,593	172,535	159,597	701,775
002-077			28,839	45,743	38,436	50,540	163,559
002-078			70,668	75,165	59,460	53,480	258,773
002-079			376,861	388,198	402,717	391,931	1,559,707
002-080			161,827	155,143	109,408	136,276	562,653
002-081			146,877	175,797	180,941	69,044	572,659
002-082			149,857	131,383	133,972	101,623	516,834
002-083			106,573	137,096	136,012	144,576	524,257
002-084			448,060	529,109	426,785	351,271	1,755,225
002-086			168,636	180,907	175,224	187,603	712,369
002-087			47,437	43,810	192,011	195,545	478,802

APPENDIX H SUMMARY OF ANNUAL ABSTRACTION

Farm No	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	Total
002-088			225,160	171,971	190,828	109,701	697,661
002-089			364,794	364,254	361,410	307,923	1,398,380
002-090			417,191	417,881	321,297	353,567	1,509,937
002-091			173,620	113,938	144,432	191,884	623,874
002-092			347,414	230,249	247,904	172,843	998,409
002-093			116,705	85,796	44,793	43,840	291,135
002-094			40,105	50,767	63,537	77,818	232,226
002-095			181,514	144,048	243,269	295,633	864,465
002-096			325,374	301,460	261,838	249,203	1,137,874
002-097			87,135	77,458	97,012	109,799	371,405
002-098			316,077	317,411	329,153	305,394	1,268,036
002-099			198,670	173,885	157,175	157,441	687,172
002-100			434,500	502,942	564,987	572,354	2,074,784
002-101			93,706	94,807	183,201	147,247	518,961
002-102			77,477	92,351	66,736	42,479	279,043
002-103			17,082	5,868	1,554	-	24,504
002-104			268,736	171,103	178,122	114,778	732,739
002-105			47,379	27,391	26,812	25,721	127,303
002-106			309,001	212,971		-	521,972
002-107			44,451	47,990	50,018	46,730	189,189
002-108			215,152	206,339	178,050	118,528	718,069
002-109			51,238	52,560	52,166	56,042	212,006
002-110			240,993	284,973	288,078	253,266	1,067,311
002-111			84,488	84,400	59,192	64,753	292,834
002-112			377,589	383,895	403,407	322,880	1,487,771
002-113			355,031	382,818	167,208	22,799	927,857
002-114			150,754	196,480	169,769	150,253	667,256
002-115			23,981	16,441	6,102	944	47,468
Total	4,242,904	3,899,428	22,966,100	22,304,600	20,701,157	18,539,612	92,653,800

APPENDIX I

SUMMARY OF CROP SURVEYS (1994-1998)

APPENDIX I SUMMARY OF CROP SURVEY - PHASE 1 - 1994

Fmcrop	Aa	Bb	Cc	Dd	Gg	Hh	Ll	Mm	Tt	Ww	Xx	Zz	Total
001-001	1,170			3,502	7,668		2,955	7,408	12,333		20,016	8,048	63,100
001-003	14,400			31,107			33,462	23,617	81,160		149,240	1,014	334,000
001-004				4,991	24,191		5,300		4,800	1,080	8,045	12,166	60,573
001-005				104,193	56,800		40,370		33,350		38,062	1,425	274,200
001-006	14,690			9,340	648		9,400	6,340	11,494	360	33,728		86,000
001-007	29,125		250	4,920	5,525		5,400	2,750			29,349	4,825	82,144
001-008		66		15,135	3,731		2,450	721	7,770		19,819	4,308	54,000
001-009				12,550	32,555		1,400	3,670			11,714		61,889
001-010				9,265	4,158		675	870	1,200	1,800	22,032		40,000
001-011	3,845			4,934	29,530		3,965		5,700	720	16,276	20,030	85,000
001-012				17,795	39,080	33,380	3,570		6,775		1,400		102,000
001-013		8,424		19,606	407,978		13,455	7,973			42,564		500,000
001-015				27,504	1,120			440			8,392		37,456
001-016	1,290			79,593	1,139						6,385		88,407
001-017				3,468					19,000		32,032	43,000	97,500
001-018							36,800	2,320			16,620	50,260	106,000
001-019		350		38,495	28,460				630		27,930	12,000	107,865
001-020					16,142					20,500	66,863		103,505
001-021					800		18,165	46,100	27,700		26,105	2,080	120,950
001-022	16,468			2,652				12,920			65,704	1,728	99,472
001-023				120	24,400				862		17,326		42,708
001-024					168,038						16,262		184,300
001-025					97,900						8,940	11,260	118,100
001-026			1,850	14,165			4,750		10,690			3,480	34,935
001-027				4,356			8,470		1,230		41,744		55,800
TOTAL	**80,988**	**8,840**	**2,100**	**407,691**	**949,863**	**33,380**	**190,587**	**115,129**	**224,694**	**24,460**	**726,548**	**175,624**	**2,939,904**

APPENDIX I SUMMARY OF CROP SURVEY - PHASE 1-1998

Fmcrop	Aa	Bb	Cc	Dd	Gg	Hh	Ll	Mm	Tt	Ww	Xx	Zz	Total
001-001				3,502	13,293		2,955	7,408	6,244	1,170	20,480	8,048	63,100
001-003	14,400			31,107	7,200		33,462	23,617	81,160		137,240	5,814	334,000
001-004				5,261	32,236		5,300		4,800	1,080		11,896	60,573
001-005				112,593	83,100		5,670		33,350		38,062	1,425	274,200
001-006	6,600			9,340	4,498		9,400	10,540	11,494	360	33,768		86,000
001-007	22,800		250	4,920	11,400		5,400	2,750			29,799	4,825	82,144
001-008	1,920	66		14,895	2,955		2,450	721	7,770	3,456	15,459	4,308	54,000
001-009	1,617			12,550	32,555		1,400	3,670			10,097		61,889
001-010				9,265			675	870		15,383	13,807		40,000
001-011	3,465			4,934	21,110		3,965		5,700	4,840	15,326	25,660	85,000
001-012				12,545	41,410	33,380	3,570		2,955		5,220	2,920	102,000
001-013	6,300	8,424		19,606	401,678		13,455	7,973			42,564		500,000
001-015				27,504							9,952		37,456
001-016				79,593							8,814		88,407
001-017				3,468					19,000	61,700	13,332		97,500
001-018					39,400			2,320	2,700		24,470	37,110	106,000
001-019	6,050	350		38,495	17,910				630		32,430	12,000	107,865
001-020										58,400	36,273	8,832	103,505
001-021							18,165	46,100	27,700	1,500	25,405	2,080	120,950
001-022	18,904			2,652				12,920		39,800	16,268	8,928	99,472
001-023				120	24,400				480		17,708		42,708
001-024					168,038						16,262		184,300
001-025					97,900						8,940	11,260	118,100
001-026			1,850	14,165			4,750		10,690			3,480	34,935
001-027				4,356			8,470		1,230		41,744		55,800
TOTAL	**82,056**	**8,840**	**2,100**	**410,871**	**999,083**	**33,380**	**119,087**	**118,889**	**215,903**	**187,689**	**613,420**	**148,586**	**2,939,904**

APPENDIX I SUMMARY OF CROP SURVEY - PHASE 2 - 1996

Farm no	Aa	Bb	Cc	Dd	Gg	Hh	Ll	Mm	Tt	Ww	Xx	Zz	Total
002-001				62,483		29,900	11,400	29,673			12,500	13,800	**159,756**
002-002	12,400			18,786	28,440						21,960		**81,586**
002-003				10,788						91,651		1,590	**104,029**
002-004	98,306			8,552		894	1,800	3,360		1,200	46,888		**161,000**
002-005	6,040			12,240	5,940		3,600				118,980		**146,800**
002-006	29,520			4,200	27,760	5,600	1,240				15,550	8,930	**92,800**
002-007	24,399				14,536						46,465		**85,400**
002-008	25,278	2,162		22,086			1,236			13,798	21,108		**85,668**
002-009	52,800			5,000	99,600		2,800				26,100		**186,300**
002-010	15,727			13,098	37,427						17,941	512	**84,705**
002-011				7,358	5,919		3,013	4,480			43,627	19,686	**84,083**
002-012				6,250	121,125						33,375	11,250	**172,000**
002-013	21,474										70,981	2,353	**94,808**
002-014	7,940			20,776	6,196		9,549				15,453	29,961	**89,875**
002-015	10,620	840		8,550	5,062	880		16,120	1,368		70,756	2,378	**116,574**
002-016	12,899			21,230							57,980	13,773	**105,882**
002-017	10,900										90,219	881	**102,000**
002-018						1,608	5,460				55,936	20,778	**83,782**
002-019	6,920			3,640							57,520	1,200	**69,280**
002-020	32,057			9,826	2,024	4,684					32,963	1,760	**83,314**
002-021				5,650	64,299		1,479				4,519		**75,947**
002-022	3,872				29,600		3,854	12,800		8,136	7,991		**66,253**
002-023	5,873			1,462	22,351		5,023	4,844	10,078	2,886	26,737		**79,254**
002-024	2,605				39,400							1,740	**43,745**
002-025	440			6,400	12,520	520	2,160	7,840	960		7,240	5,920	**44,000**
002-026				15,500	50,400		97,700	14,700	7,280			14,700	**200,280**
002-027	17,920			15,520	227,800						26,240		**287,480**
002-028					415,520						48,160		**463,680**
002-029				50,400		4,926					169,900		**225,226**
002-030				5,800		150					95,330		**101,280**
002-031				24,560		800					36,680		**62,040**
002-033				13,280		3,102		18,974	3,392		35,620	8,280	**82,648**
002-034				12,559	28,423			32,521	1,983		11,237		**86,723**
002-035	19,310			2,364	5,430		6,428	13,853			16,401	10,564	**74,350**
002-036	17,241			6,594		4,919					99,516		**128,270**
002-037				26,188		540			900		80,099	6,160	**113,887**
002-038				3,122	40,882	1,440					23,675	12,674	**81,793**
002-039				51,960	490	1,066					171,734		**225,250**

APPENDIX I SUMMARY OF CROP SURVEY - PHASE 2 - 1996

Farm no	Aa	Bb	Cc	Dd	Gg	Hh	Ll	Mm	Tt	Ww	Xx	Zz	Total
002-040				27,800	86,394	13,000	80,088	13,930		241,639	34,126	19,543	**516,520**
002-041	2,552			10,100			96				57,400		**70,148**
002-042	14,242			11,523			1,260		7,567		63,060	3,848	**101,500**
002-043				13,233							76,562		**89,795**
002-044	2,948			4,108	30,938						71,453		**109,447**
002-045	33,042			2,511		960	810				48,746		**86,069**
002-046	1,000			1,063		450					221,287		**223,800**
002-047				20,900	28,000						17,607	44,493	**111,000**
002-048	37,990			12,115							69,995		**120,100**
002-049	40,994			9,671	4,290		1,596	3,270			29,290		**89,111**
002-050	27,079			15,162		6,151					61,400		**109,792**
002-051	24,764			8,704		200					38,798		**72,466**
002-052	1,768			4,548	41,376	1,380	9,520	2,240	240				**61,072**
002-053				47,040	84,320	13,760					129,480	23,736	**298,336**
002-054	1,500			9,822	25,100	1,280		2,186			43,208	4,993	**88,089**
002-055				48,360		150	11,400	12,880	4,040		16,765	16,120	**109,715**
002-056				7,506	26,900	2,961	5,700			28,581	1,561		**73,209**
002-057				6,822	19,341	1,451	3,913	2,715		18,695		12,254	**65,191**
002-058				16,000			21,120			77,600	152,464		**267,184**
002-059				2,400	115,500	2,928	13,700		5,093		74,318	10,100	**224,039**
002-060				14,900	20,160	1,420		22,936			10,380	36,660	**106,456**
002-061	7,629			4,910	7,890	7,419				13,378	19,857	4,022	**65,105**
002-062				15,000	12,325	942	7,425	27,650			7,200	13,875	**84,417**
002-063				19,354	10,600	979	9,514		1,870		232,120	7,019	**281,456**
002-064				5,419	10,700	948	10,548	3,838	2,665	2,082	2,131		**38,331**
002-065				8,946	16,489	575	5,752				42,056	3,387	**77,205**
002-066				14,940		52,824	136,712	17,640			134,148		**356,264**
002-067	3,938				10,063	1,313		14,938		18,313	18,187	35,500	**102,252**
002-068				14,890	47,510	720					9,040	32,920	**105,080**
002-069				16,910	44,292	4,825		4,247			35,977	5,900	**112,151**
002-070	22,888			35,371	26,724	4,616		8,908			19,766	26,334	**144,607**
002-071					10,875	1,563					47,313	16,600	**76,351**
002-072				11,099			18,819	8,626	1,870	33,174		2,292	**75,880**
002-073	1,107			6,830	17,505		35,300	12,000	2,203			14,799	**89,744**
002-074				16,344		12,900	17,300	12,900	14,688	929	19,690		**94,751**
002-075				21,250	1,705	6,160		2,178	10,820	20,025	24,304	31,605	**118,047**
002-076				6,724	31,108	729	10,253	9,209	14,972	46,160	4,942	5,995	**130,092**
002-077				8,553		3,863	2,400	5,450	3,000		70,535	2,400	**96,201**

APPENDIX I SUMMARY OF CROP SURVEY - PHASE 2 - 1996

Farm no	Aa	Bb	Cc	Dd	Gg	Hh	Ll	Mm	Tt	Ww	Xx	Zz	Total
002-078	3,820			15,001	29,919	3,600					49,897	5,880	**108,117**
002-079					211,400	11,750					78,200		**301,350**
002-080				18,000	43,300	680	18,300	16,759	3,000	6,087	12,801	2,920	**121,847**
002-081	4,000			11,860	12,720	1,104	21,596	11,310			7,810	13,080	**83,480**
002-082				9,744	37,420	514		38,734			960	2,340	**89,712**
002-083				33,743	10,200	10,945	1,862	25,774			122,300	13,526	**218,350**
002-084				17,850	41,770	9,640	7,125	14,837	568	16,120	9,210	21,030	**138,150**
002-086	5,688			11,563		1,001		6,875	9,313		14,055	42,312	**90,807**
002-087	6,670			3,920	3,000		8,400	6,500	8,520		29,640	8,176	**74,826**
002-088	3,103				62,744	1,053				7,807	16,957	52,500	**144,164**
002-089				25,060	63,860	1,240		4,780				5,280	**100,220**
002-090				17,406	95,541					6,010	44,900		**163,857**
002-091	1,200		6,800	7,600	34,800				1,000		2,000	47,850	**101,250**
002-092				22,018	76,728	6,918	2,640			10,800	30,668	17,330	**167,102**
002-093	15,000					1,102		4,664			134,984	1,000	**156,750**
002-094	1,500			5,560			19,760	9,360			11,240	3,360	**50,780**
002-095				6,920	35,920							51,640	**94,480**
002-096				8,000	151,730	270							**160,000**
002-097				3,600	37,160	1,640	610	3,460		1,152	19,100	12,000	**78,722**
002-098				1,687	65,399	10,436		9,250		5,250	5,662	39,548	**137,232**
002-099	25,970			20,976	11,520	2,000	5,412	2,562	700	4,340	46,408	4,550	**124,438**
002-100				10,260	22,889	2,282					33,314	57,260	**126,005**
002-101				6,680	5,056	930	5,600	3,680			43,890		**65,836**
002-102	5,831			6,300	4,920	4,120	7,650				31,734	7,050	**67,605**
002-103	3,000			3,280		84		996			17,834	6,856	**32,050**
002-104				47,002	22,100	1,636	86,037		6,540		279,172	11,376	**453,863**
002-105				3,932	2,290	12,227	30,923				85,202	7,469	**142,043**
002-106	4,956			5,658	10,400	23,821		20,123	8,340	5,789	23,026	99,200	**201,313**
002-107			4,800		22,800	2,600			15,680		17,640		**63,520**
002-108	17,847			8,686	12,320	4,408	8,935				34,711	2,400	**89,307**
002-109	9,498			9,635	4,878	2,707					85,891		**112,609**
002-110	1,260			15,488	35,162	7,292						4,543	**63,745**
002-111				4,833	27,360	5,400	15,920		1,440	2,560			**57,513**
002-112	1,800			3,200	150,564	7,100			700		33,296	59,600	**256,260**
002-113				19,441	140,700	15,893		12,892			189,900		**378,826**
002-114				25,056	18,960	3,566		12,980	792	7,520	3,960	2,962	**75,796**
002-115					1,188	875				440	60,247	7,726	**70,476**
TOTAL	**769,125**	**3,002**	**11,600**	**1,387,009**	**3,527,967**	**366,330**	**800,738**	**552,442**	**151,582**	**692,122**	**5,199,156**	**1,174,049**	**14,635,122**

APPENDIX I SUMMARY OF CROP SURVEY - PHASE 2 - 1997

Farm no	Aa	Bb	Cc	Dd	Gg	Hh	Ll	Mm	Tt	Ww	Xx	Zz	Total
002-001				62,483		29,900	11,400	29,673			12,500	13,800	**159,756**
002-002	12,400			18,786	28,440						21,960		**81,586**
002-003				10,788						91,651		1,590	**104,029**
002-004	56,898			8,552		894	1,800	3,360			89,496		**161,000**
002-005	6,040			12,240	5,940						122,580		**146,800**
002-006	29,520			4,200	27,760	5,600	1,240				15,550	8,930	**92,800**
002-007	19,166				11,879					12,000	42,355		**85,400**
002-008	25,278	2,162		22,086			1,236			13,798	21,108		**85,668**
002-009	12,000			5,000	128,400						40,900		**186,300**
002-010	15,727			13,098	37,427						17,941	512	**84,705**
002-011				7,358	5,919		3,013	4,480			43,627	19,686	**84,083**
002-012				6,250	121,125						33,375	11,250	**172,000**
002-013	17,588										74,867	2,353	**94,808**
002-014				20,776	6,196		9,549				23,393	29,961	**89,875**
002-015	10,620	840		8,550	5,062	880		16,120	1,368		70,756	2,378	**116,574**
002-016	12,899			21,230							57,980	13,773	**105,882**
002-017	10,900										90,219	881	**102,000**
002-018						1,608	5,460				55,936	20,778	**83,782**
002-019	6,920			10,560	3,480	2,960					44,160	1,200	**69,280**
002-020	24,560			9,826	2,024	4,684					40,460	1,760	**83,314**
002-021				5,650	37,969		1,479				30,849		**75,947**
002-022	3,872				29,600		3,854	12,800		8,136	7,991		**66,253**
002-023	5,873			1,462	22,351		5,023	4,844	10,078	2,886	26,737		**79,254**
002-024	2,605				39,400							1,740	**43,745**
002-025	440			6,400	17,880	520	2,160	7,840	960		1,880	5,920	**44,000**
002-026				15,500	50,400		97,700	14,700	7,280			14,700	**200,280**
002-027	17,920			15,520	227,800						26,240		**287,480**
002-028					415,520						48,160		**463,680**
002-029				50,400		4,926					169,900		**225,226**
002-030				5,800		150					95,330		**101,280**
002-031				24,560		800					36,680		**62,040**
002-033				13,280		3,102		18,974	3,392		35,620	8,280	**82,648**
002-034				12,559	28,423			32,521	1,983		11,237		**86,723**
002-035	24,334			2,364	5,430		6,428	13,853			11,377	10,564	**74,350**
002-036	3,081			6,594	2,810	4,919					110,866		**128,270**
002-037				25,188		540					81,999	6,160	**113,887**
002-038				4,504	39,500	1,440					23,675	12,674	**81,793**
002-039				51,960	490	1,066					171,734		**225,250**
002-040				45,266		13,000	99,631	13,930		266,986	77,707		**516,520**

APPENDIX I SUMMARY OF CROP SURVEY - PHASE 2 - 1997

Farm no	Aa	Bb	Cc	Dd	Gg	Hh	Ll	Mm	Tt	Ww	Xx	Zz	Total
002-041	2,552			10,100			96				57,400		**70,148**
002-042	8,192			11,523			1,260		7,567		69,110	3,848	**101,500**
002-043				13,233							76,562		**89,795**
002-044	2,948			4,108	30,938						71,453		**109,447**
002-045	33,042			2,511		960	810				48,746		**86,069**
002-046	1,000			1,063		450					221,287		**223,800**
002-047				20,900	28,000					30,787	17,607	13,706	**111,000**
002-048	16,170			12,115							91,815		**120,100**
002-049	40,994			9,671	4,290		1,596	3,270			29,290		**89,111**
002-050	6,403			15,162	670	6,151					81,406		**109,792**
002-051	24,764			8,704		200					38,798		**72,466**
002-052				4,548	43,144	1,380	9,520	2,240	240				**61,072**
002-053				47,040	90,640	13,760					123,160	23,736	**298,336**
002-054	1,500			9,822	25,100	1,280		2,186			43,208	4,993	**88,089**
002-055				48,360		150	11,400	12,880	4,040		16,765	16,120	**109,715**
002-056				7,506		2,961	10,700			42,932	9,110		**73,209**
002-057				6,822	38,036	1,451	3,913	2,715				12,254	**65,191**
002-058				16,000			21,120			137,120	92,944		**267,184**
002-059				2,400	70,900	2,928				17,000	120,711	10,100	**224,039**
002-060				19,900	16,360	1,420		22,636			10,380	35,760	**106,456**
002-061	10,503			4,910	7,890	7,419				13,378	16,983	4,022	**65,105**
002-062				15,000	12,325	942	7,425	27,650			7,200	13,875	**84,417**
002-063				19,354	10,600	979	9,514		1,870		232,120	7,019	**281,456**
002-064				5,419	10,700	948	10,548	3,838	2,191	2,082	2,605		**38,331**
002-065				8,946	16,489	575	5,752				42,056	3,387	**77,205**
002-066				14,940		52,824	136,712	17,640			134,148		**356,264**
002-067	3,938				10,063	1,313		14,938		11,938	18,187	41,875	**102,252**
002-068				14,890	40,760	720					15,790	32,920	**105,080**
002-069				16,910	32,812	4,825		4,247			43,797	9,560	**112,151**
002-070	24,384			35,371	19,962	4,616		8,908			25,032	26,334	**144,607**
002-071					10,875	1,563					47,313	16,600	**76,351**
002-072				11,099			18,819	8,626	1,870	33,174		2,292	**75,880**
002-073	1,107			6,830	17,505		35,300	12,000	2,203			14,799	**89,744**
002-074				16,344		12,900	17,300	12,900	14,688	929	19,690		**94,751**
002-075				21,250	1,705	6,160			12,998	30,440	13,889	31,605	**118,047**
002-076				6,724	15,408	729	10,253	18,348	19,914	37,021	15,700	5,995	**130,092**
002-077				8,553		3,863	2,400	5,450	3,000		70,535	2,400	**96,201**
002-078	3,820			15,001	29,919	3,600					49,897	5,880	**108,117**
002-079					208,400	11,750			3,000		78,200		**301,350**

APPENDIX I SUMMARY OF CROP SURVEY - PHASE 2 - 1997

Farm no	Aa	Bb	Cc	Dd	Gg	Hh	Ll	Mm	Tt	Ww	Xx	Zz	Total
002-080				18,000	43,300	680	18,300	16,759	3,000	9,007	9,881	2,920	**121,847**
002-081	4,000			11,860	14,520	1,104	20,096	9,660	3,000		6,160	13,080	**83,480**
002-082				9,744	37,420	514		38,734			960	2,340	**89,712**
002-083				33,743	27,300	10,945	1,862	25,774			105,200	13,526	**218,350**
002-084				17,850	41,770	9,640	7,125	14,837	568	16,120	9,210	21,030	**138,150**
002-086	5,688			11,563	10,470	1,001		7,835	9,313		2,625	42,312	**90,807**
002-087	6,670			3,920	3,000		8,400	6,500	8,520		29,640	8,176	**74,826**
002-088	3,103				62,744	1,053				7,807	16,957	52,500	**144,164**
002-089				25,060	63,860	1,240		4,780				5,280	**100,220**
002-090				17,406	95,541					6,010	44,900		**163,857**
002-091	1,200		6,800	7,600	34,800				1,000		2,000	47,850	**101,250**
002-092				22,018	76,728	6,918	2,640			13,176	28,292	17,330	**167,102**
002-093	19,602			6,823		1,102		4,664			123,559	1,000	**156,750**
002-094	1,500			5,560		200	19,760	9,360			11,040	3,360	**50,780**
002-095				6,920	35,920							51,640	**94,480**
002-096				8,000	151,730	270							**160,000**
002-097				3,600	37,160	1,640	610	3,460		1,152	19,100	12,000	**78,722**
002-098				1,687	65,399	10,436		9,250		5,250	5,662	39,548	**137,232**
002-099	10,010			20,976	11,520	2,000	5,412	21,462	700	4,340	43,468	4,550	**124,438**
002-100	15,600			10,260	22,889	2,282					17,714	57,260	**126,005**
002-101				6,680	5,056	930	5,600	3,680			43,890		**65,836**
002-102	5,831			6,300	4,920	4,120	7,650				31,734	7,050	**67,605**
002-103	3,000			3,280		84		996			17,834	6,856	**32,050**
002-104				47,002	22,100	1,636	86,037		6,540		279,172	11,376	**453,863**
002-105				3,932	2,290	12,227	30,923				85,202	7,469	**142,043**
002-106	4,956			5,658	11,426	23,821		18,089	4,955	3,385	22,000	107,023	**201,313**
002-107			4,800		22,800	2,600			15,680		17,640		**63,520**
002-108				8,686	19,911	4,408			3,672		50,230	2,400	**89,307**
002-109	9,498			9,635	4,878	2,707					85,891		**112,609**
002-110	1,260			15,488	35,162	7,292						4,543	**63,745**
002-111				4,833	27,360	5,400	15,920		1,440	2,560			**57,513**
002-112	1,800			3,200	150,564	7,100			700		33,296	59,600	**256,260**
002-113	3,153			19,441	140,700	15,893		12,892			186,747		**378,826**
002-114				29,016	18,960	3,566		12,980	792	9,120		1,362	**75,796**
002-115					1,188	875				440	60,247	7,726	**70,476**
TOTAL	596,829	3,002	11,600	1,427,560	3,398,102	369,490	794,746	575,279	158,522	830,625	5,330,290	1,139,077	14,635,122

APPENDIX I SUMMARY OF CROP SURVEY - PHASE 2 - 1998

Farm no	Aa	Bb	Cc	Dd	Gg	Hh	Ll	Mm	Tt	Ww	Xx	Zz	Total	Crop
002-001				62,483	2,000	29,900	5,800	34,673			17,400	7,500	**159,756**	112,456
002-002	4,600			18,786	28,440						29,760		**81,586**	51,826
002-003				10,788						91,651		1,590	**104,029**	104,029
002-004	49,758			8,552		894	1,800	3,360			96,636		**161,000**	63,470
002-005	6,040			12,240	5,940		3,600				118,980		**146,800**	27,820
002-006	20,760			4,200	27,760	5,600	1,240				24,310	8,930	**92,800**	62,890
002-007	10,377				28,555					12,000	34,468		**85,400**	50,932
002-008	3,243			25,386			1,236				55,803		**85,668**	29,865
002-009	12,000			5,000	97,800						71,500		**186,300**	114,800
002-010	6,300			13,098	37,427						27,368	512	**84,705**	57,337
002-011				7,358	32,896		3,013	4,480			16,650	19,686	**84,083**	67,433
002-012	12,344			6,250	99,113						43,043	11,250	**172,000**	128,957
002-013	19,037										73,418	2,353	**94,808**	21,390
002-014	5,540			20,776							36,414	27,145	**89,875**	53,461
002-015	10,620	840		8,550	5,062	880		16,120	1,368		70,756	2,378	**116,574**	44,938
002-016				21,230				3,780		1,120	65,979	13,773	**105,882**	39,903
002-017											102,000		**102,000**	0
002-018						1,608	5,460				55,936	20,778	**83,782**	26,238
002-019	6,920			10,560	3,480	2,960					44,160	1,200	**69,280**	22,160
002-020	25,304			10,356	500	3,880					40,134	3,140	**83,314**	39,300
002-021				5,650	37,969		1,479				30,849		**75,947**	45,098
002-022	3,872			640	28,960		9,806	12,800	2,184		7,991		**66,253**	58,262
002-023	5,873			1,462	22,351		5,023	4,844	10,078	2,886	26,737		**79,254**	52,517
002-024	2,605				39,400							1,740	**43,745**	43,745
002-025	440			6,400	17,880	520	2,160	7,840	960		1,880	5,920	**44,000**	41,600
002-026				15,500	50,400		97,700	14,700	7,280			14,700	**200,280**	200,280
002-027	17,920			15,520	227,800						26,240		**287,480**	261,240
002-028					415,520						48,160		**463,680**	415,520
002-029				50,400		4,926					169,900		**225,226**	50,400
002-030				5,800		150					95,330		**101,280**	5,800
002-031				24,560		800					36,680		**62,040**	24,560
002-033				14,264		3,102					56,234	9,048	**82,648**	23,312
002-034				12,559	28,423			32,521	1,983		11,237		**86,723**	75,486
002-035	18,452			2,364	23,782			8,016			9,812	11,924	**74,350**	64,538
002-036				6,594	2,810	4,919					113,947		**128,270**	9,404
002-037				25,188		540					81,999	6,160	**113,887**	31,348
002-038				4,504	39,500	1,440					23,675	12,674	**81,793**	56,678
002-039				51,960		1,066					172,224		**225,250**	51,960
002-040				45,266		13,000	89,846	13,930		42,588	302,105	9,785	**516,520**	201,415

APPENDIX I SUMMARY OF CROP SURVEY - PHASE 2 - 1998

Farm no	Aa	Bb	Cc	Dd	Gg	Hh	Ll	Mm	Tt	Ww	Xx	Zz	Total	Crop
002-041	4,400			1,400							64,348		**70,148**	5,800
002-042	2,784			9,147							85,721	3,848	**101,500**	15,779
002-043				13,233							76,562		**89,795**	13,233
002-044	2,948			4,108							102,391		**109,447**	7,056
002-045	1,467			2,511		960	810				80,321		**86,069**	4,788
002-046				1,063		450					222,287		**223,800**	1,063
002-047				20,900	28,000					30,787	17,607	13,706	**111,000**	93,393
002-048	11,870			12,115							96,115		**120,100**	23,985
002-049	15,016			9,671	4,290		1,596	3,270			55,268		**89,111**	33,843
002-050	6,403			15,162	670	6,151					81,406		**109,792**	22,235
002-051	25,722			8,704		200					37,840		**72,466**	34,426
002-052				4,548	43,144	1,380	9,520	2,240	240				**61,072**	59,692
002-053				47,040	90,640	13,760					123,160	23,736	**298,336**	161,416
002-054				26,522	25,100	1,280		2,186			28,008	4,993	**88,089**	58,801
002-055				48,360		150	11,400	12,880	4,040		16,765	16,120	**109,715**	92,800
002-056				7,506		2,961	10,700			48,932	3,110		**73,209**	67,138
002-057				6,822	38,036	1,451	3,913	2,715				12,254	**65,191**	63,740
002-058				16,000							251,184		**267,184**	16,000
002-059				2,400	70,900	2,928				17,000	120,711	10,100	**224,039**	100,400
002-060				19,900	16,360	1,420		22,636		5,000	17,510	23,630	**106,456**	87,526
002-061	7,629			4,910	7,890	7,419				13,378	19,857	4,022	**65,105**	37,829
002-062				15,000	12,325	942	7,425	27,650			7,200	13,875	**84,417**	76,275
002-063				19,354	10,600	979	9,514		1,870		232,120	7,019	**281,456**	48,357
002-064				5,419	10,700	948	10,548	3,838	2,971	2,082	1,825		**38,331**	35,558
002-065	1,470			7,093	2,301	575	19,940					45,826	**77,205**	76,630
002-066				14,940		52,824	136,712	17,640			134,148		**356,264**	169,292
002-067	3,938					1,313		14,938		11,938	28,250	41,875	**102,252**	72,689
002-068				14,890	40,760	720					15,790	32,920	**105,080**	88,570
002-069				16,910	32,812	4,825		4,247			43,797	9,560	**112,151**	63,529
002-070	9,753			35,371	43,142	4,616		8,908			16,483	26,334	**144,607**	123,508
002-071					10,875	1,563				3,000	44,313	16,600	**76,351**	30,475
002-072	986			11,099	1,360		15,140	8,626	1,870		34,507	2,292	**75,880**	41,373
002-073				5,525	17,505		23,800	13,305	2,203		12,607	14,799	**89,744**	77,137
002-074				16,344	25,114	12,900		12,900	10,000	3,786	13,707		**94,751**	68,144
002-075				18,250	1,705	6,160			12,998	38,164	9,165	31,605	**118,047**	102,722
002-076				9,757	10,464	15,700	8,467	22,620	6,724	39,270	13,940	3,150	**130,092**	100,452
002-077				8,553		3,863	2,400	5,450	3,000		70,535	2,400	**96,201**	21,803
002-078	3,820			15,001	29,919	3,600					49,897	5,880	**108,117**	54,620
002-079					208,400	11,750			3,000		78,200		**301,350**	211,400

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APPENDIX I SUMMARY OF CROP SURVEY - PHASE 2 - 1998

Farm no	Aa	Bb	Cc	Dd	Gg	Hh	Ll	Mm	Tt	Ww	Xx	Zz	Total	Crop
002-080				18,000	43,300	680	18,300	16,759	3,000	9,007	9,881	2,920	**121,847**	111,286
002-081				11,860	18,520	1,104	20,096	9,660	3,000		6,160	13,080	**83,480**	76,216
002-082				9,744	36,980	514		40,134				2,340	**89,712**	89,198
002-083				17,343	27,300	10,945	1,862	25,774	16,400		105,200	13,526	**218,350**	102,205
002-084				17,850	41,770	9,640	7,125	14,837	568	16,120	9,210	21,030	**138,150**	119,300
002-086	5,688			11,563		1,001	6,875	960	9,313		13,095	42,312	**90,807**	76,711
002-087	5,840			3,920	3,450		8,400	6,500	8,520		30,020	8,176	**74,826**	44,806
002-088	3,103				25,900	1,053				585	61,023	52,500	**144,164**	82,088
002-089				25,060	63,860	1,240		4,780				5,280	**100,220**	98,980
002-090				17,406	95,541					6,010	44,900		**163,857**	118,957
002-091			6,800	7,600	17,400				1,000		32,150	36,300	**101,250**	69,100
002-092				22,018	2,520	6,918	2,640			13,176	102,500	17,330	**167,102**	57,684
002-093	12,455			6,823		1,102		4,664			130,706	1,000	**156,750**	24,942
002-094	1,500			5,560		200	19,760	9,360			11,040	3,360	**50,780**	39,540
002-095				5,120	30,736	1,800			1,800		3,384	51,640	**94,480**	89,296
002-096				8,000	120,730	270					31,000		**160,000**	128,730
002-097	3,034			3,600	20,530	1,640	610	3,460		2,958	30,890	12,000	**78,722**	46,192
002-098				1,687	56,124	10,436		9,250		8,125	12,062	39,548	**137,232**	114,734
002-099	11,520			15,600		2,000	5,412	21,462	700	4,340	58,854	4,550	**124,438**	63,584
002-100	15,600			10,260	31,816	2,282					8,787	57,260	**126,005**	114,936
002-101				6,680	5,056	930	5,600	3,680		26,340	17,550		**65,836**	47,356
002-102	5,831			6,300	4,920	4,120	7,650				31,734	7,050	**67,605**	31,751
002-103				3,280		84		996			20,834	6,856	**32,050**	11,132
002-104	5,521			47,002	55,000	1,636	41,937		6,540	5,051	279,800	11,376	**453,863**	172,427
002-105				3,932	2,290	12,227	23,186				92,939	7,469	**142,043**	36,877
002-106	4,956			5,658	11,426	23,821		18,089	4,955	3,385	22,000	107,023	**201,313**	155,492
002-107			4,800		22,800	2,600			15,680		17,640		**63,520**	43,280
002-108				8,686	14,880	4,408			3,672		55,261	2,400	**89,307**	29,638
002-109	9,498			9,635	6,828	2,707					83,941		**112,609**	25,961
002-110	1,260			15,488	27,362	7,292					7,800	4,543	**63,745**	48,653
002-111				4,833	27,360	5,400	15,920		1,440	2,560			**57,513**	52,113
002-112	1,800			3,200	150,564	7,100			700		33,296	59,600	**256,260**	215,864
002-113	3,153			19,441	29,700	15,893		12,892			297,747		**378,826**	65,186
002-114				29,016	18,960	3,566		12,980	792	9,120		1,362	**75,796**	72,230
002-115					1,188	875				440	60,247	7,726	**70,476**	9,354
TOTAL	430,970	840	11,600	1,411,937	3,101,591	385,457	685,421	559,350	150,849	470,799	6,268,021	1,158,287	**14,635,122**	

APPENDIX J

CROP DISTRIBUTION PER FARM (%)

APPENDIX J SUMMARY OF CROP DISTRIBUTION (%)

Fmcrop	Alfalfa	Banana	Coconut	Datepalm	Grass	Limes	Mango	Other Trees	Vegetables	Mixed Trees
001-001	2.72	0.00	0.00	8.13	17.80	6.86	17.19	28.63	0.00	18.68
001-003	7.79	0.00	0.00	16.84	0.00	18.11	12.78	43.93	0.00	0.55
001-004	0.00	0.00	0.00	9.50	46.05	10.09	0.00	9.14	2.06	23.16
001-005	0.00	0.00	0.00	44.12	24.05	17.10	0.00	14.12	0.00	0.60
001-006	28.10	0.00	0.00	17.87	1.24	17.98	12.13	21.99	0.69	0.00
001-007	55.17	0.00	0.47	9.32	10.47	10.23	5.21	0.00	0.00	9.14
001-008	0.00	0.19	0.00	44.28	10.92	7.17	2.11	22.73	0.00	12.60
001-009	0.00	0.00	0.00	25.01	64.88	2.79	7.31	0.00	0.00	0.00
001-010	0.00	0.00	0.00	51.56	23.14	3.76	4.84	6.68	10.02	0.00
001-011	5.59	0.00	0.00	7.18	42.97	5.77	0.00	8.29	1.05	29.15
001-012	0.00	0.00	0.00	26.47	58.14	5.31	0.00	10.08	0.00	0.00
001-013	0.00	1.84	0.00	4.29	89.19	2.94	1.74	0.00	0.00	0.00
001-015	0.00	0.00	0.00	94.63	3.85	0.00	1.51	0.00	0.00	0.00
001-016	1.57	0.00	0.00	97.04	1.39	0.00	0.00	0.00	0.00	0.00
001-017	0.00	0.00	0.00	5.30	0.00	0.00	0.00	29.02	0.00	65.68
001-018	0.00	0.00	0.00	0.00	0.00	41.17	2.60	0.00	0.00	56.23
001-019	0.00	0.44	0.00	48.16	35.60	0.00	0.00	0.79	0.00	15.01
001-020	0.00	0.00	0.00	0.00	44.05	0.00	0.00	0.00	55.95	0.00
001-021	0.00	0.00	0.00	0.00	0.84	19.15	48.61	29.21	0.00	2.19
001-022	48.77	0.00	0.00	7.85	0.00	0.00	38.26	0.00	0.00	5.12
001-023	0.00	0.00	0.00	0.47	96.13	0.00	0.00	3.40	0.00	0.00
001-024	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00
001-025	0.00	0.00	0.00	0.00	89.68	0.00	0.00	0.00	0.00	10.32
001-026	0.00	0.00	5.30	40.55	0.00	13.60	0.00	30.60	0.00	9.96
001-027	0.00	0.00	0.00	30.99	0.00	60.26	0.00	8.75	0.00	0.00
002-001	0.00	0.00	0.00	53.24	0.00	9.71	25.28	0.00	0.00	11.76
002-002	20.80	0.00	0.00	31.51	47.70	0.00	0.00	0.00	0.00	0.00
002-003	0.00	0.00	0.00	10.37	0.00	0.00	0.00	0.00	88.10	1.53
002-004	86.83	0.00	0.00	7.55	0.00	1.59	2.97	0.00	1.06	0.00
002-005	21.71	0.00	0.00	44.00	21.35	12.94	0.00	0.00	0.00	0.00
002-006	41.20	0.00	0.00	5.86	38.74	1.73	0.00	0.00	0.00	12.46
002-007	62.67	0.00	0.00	0.00	37.33	0.00	0.00	0.00	0.00	0.00
002-008	39.15	3.35	0.00	34.21	0.00	1.91	0.00	0.00	21.37	0.00
002-009	32.96	0.00	0.00	3.12	62.17	1.75	0.00	0.00	0.00	0.00
002-010	23.56	0.00	0.00	19.62	56.06	0.00	0.00	0.00	0.00	0.77
002-011	0.00	0.00	0.00	18.19	14.63	7.45	11.07	0.00	0.00	48.66

APPENDIX J SUMMARY OF CROP DISTRIBUTION (%)

Fmcrop	Alfalfa	Banana	Coconut	Datepalm	Grass	Limes	Mango	Other Trees	Vegetables	Mixed Trees
002-012	0.00	0.00	0.00	4.51	87.38	0.00	0.00	0.00	0.00	8.12
002-013	90.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.88
002-014	10.67	0.00	0.00	27.92	8.33	12.83	0.00	0.00	0.00	40.26
002-015	23.63	1.87	0.00	19.03	11.26	0.00	35.87	3.04	0.00	5.29
002-016	26.93	0.00	0.00	44.32	0.00	0.00	0.00	0.00	0.00	28.75
002-017	92.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.48
002-018	0.00	0.00	0.00	0.00	0.00	20.81	0.00	0.00	0.00	79.19
002-019	58.84	0.00	0.00	30.95	0.00	0.00	0.00	0.00	0.00	10.20
002-020	70.20	0.00	0.00	21.52	4.43	0.00	0.00	0.00	0.00	3.85
002-021	0.00	0.00	0.00	7.91	90.02	2.07	0.00	0.00	0.00	0.00
002-022	6.65	0.00	0.00	0.00	50.80	6.61	21.97	0.00	13.96	0.00
002-023	11.18	0.00	0.00	2.78	42.56	9.56	9.22	19.19	5.50	0.00
002-024	5.95	0.00	0.00	0.00	90.07	0.00	0.00	0.00	0.00	3.98
002-025	1.21	0.00	0.00	17.66	34.55	5.96	21.63	2.65	0.00	16.34
002-026	0.00	0.00	0.00	7.74	25.16	48.78	7.34	3.63	0.00	7.34
002-027	6.86	0.00	0.00	5.94	87.20	0.00	0.00	0.00	0.00	0.00
002-028	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00
002-029	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
002-030	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
002-031	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
002-033	0.00	0.00	0.00	30.23	0.00	0.00	43.20	7.72	0.00	18.85
002-034	0.00	0.00	0.00	16.64	37.65	0.00	43.08	2.63	0.00	0.00
002-035	33.32	0.00	0.00	4.08	9.37	11.09	23.91	0.00	0.00	18.23
002-036	72.33	0.00	0.00	27.67	0.00	0.00	0.00	0.00	0.00	0.00
002-037	0.00	0.00	0.00	78.77	0.00	0.00	0.00	2.71	0.00	18.53
002-038	0.00	0.00	0.00	5.51	72.13	0.00	0.00	0.00	0.00	22.36
002-039	0.00	0.00	0.00	99.07	0.93	0.00	0.00	0.00	0.00	0.00
002-040	0.00	0.00	0.00	5.92	18.41	17.06	2.97	0.00	51.48	4.16
002-041	20.02	0.00	0.00	79.23	0.00	0.75	0.00	0.00	0.00	0.00
002-042	37.05	0.00	0.00	29.98	0.00	3.28	0.00	19.69	0.00	10.01
002-043	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
002-044	7.76	0.00	0.00	10.81	81.43	0.00	0.00	0.00	0.00	0.00
002-045	90.87	0.00	0.00	6.91	0.00	2.23	0.00	0.00	0.00	0.00
002-046	48.47	0.00	0.00	51.53	0.00	0.00	0.00	0.00	0.00	0.00
002-047	0.00	0.00	0.00	22.38	29.98	0.00	0.00	0.00	0.00	47.64
002-048	75.82	0.00	0.00	24.18	0.00	0.00	0.00	0.00	0.00	0.00

APPENDIX J SUMMARY OF CROP DISTRIBUTION (%)

Fmcrop	Alfalfa	Banana	Coconut	Datepalm	Grass	Limes	Mango	Other Trees	Vegetables	Mixed Trees
002-049	68.53	0.00	0.00	16.17	7.17	2.67	5.47	0.00	0.00	0.00
002-050	64.11	0.00	0.00	35.89	0.00	0.00	0.00	0.00	0.00	0.00
002-051	73.99	0.00	0.00	26.01	0.00	0.00	0.00	0.00	0.00	0.00
002-052	2.96	0.00	0.00	7.62	69.32	15.95	3.75	0.40	0.00	0.00
002-053	0.00	0.00	0.00	30.33	54.37	0.00	0.00	0.00	0.00	15.30
002-054	3.44	0.00	0.00	22.53	57.57	0.00	5.01	0.00	0.00	11.45
002-055	0.00	0.00	0.00	52.11	0.00	12.28	13.88	4.35	0.00	17.37
002-056	0.00	0.00	0.00	10.93	39.16	8.30	0.00	0.00	41.61	0.00
002-057	0.00	0.00	0.00	10.70	30.34	6.14	4.26	0.00	29.33	19.22
002-058	0.00	0.00	0.00	13.95	0.00	18.41	0.00	0.00	67.64	0.00
002-059	0.00	0.00	0.00	1.63	78.68	9.33	0.00	3.47	0.00	6.88
002-060	0.00	0.00	0.00	15.74	21.30	0.00	24.23	0.00	0.00	38.73
002-061	20.17	0.00	0.00	12.98	20.86	0.00	0.00	0.00	35.36	10.63
002-062	0.00	0.00	0.00	19.67	16.16	9.73	36.25	0.00	0.00	18.19
002-063	0.00	0.00	0.00	40.02	21.92	19.67	0.00	3.87	0.00	14.51
002-064	0.00	0.00	0.00	15.37	30.35	29.92	10.89	7.56	5.91	0.00
002-065	0.00	0.00	0.00	25.87	47.69	16.64	0.00	0.00	0.00	9.80
002-066	0.00	0.00	0.00	8.82	0.00	80.76	10.42	0.00	0.00	0.00
002-067	4.76	0.00	0.00	0.00	12.16	0.00	18.05	0.00	22.13	42.90
002-068	0.00	0.00	0.00	15.62	49.84	0.00	0.00	0.00	0.00	34.54
002-069	0.00	0.00	0.00	23.70	62.08	0.00	5.95	0.00	0.00	8.27
002-070	19.04	0.00	0.00	29.42	22.23	0.00	7.41	0.00	0.00	21.90
002-071	0.00	0.00	0.00	0.00	39.58	0.00	0.00	0.00	0.00	60.42
002-072	0.00	0.00	0.00	14.63	0.00	24.80	11.37	2.46	43.72	3.02
002-073	1.23	0.00	0.00	7.61	19.51	39.33	13.37	2.45	0.00	16.49
002-074	0.00	0.00	0.00	26.29	0.00	27.83	20.75	23.63	1.49	0.00
002-075	0.00	0.00	0.00	24.26	1.95	0.00	2.49	12.35	22.86	36.09
002-076	0.00	0.00	0.00	5.40	25.00	8.24	7.40	12.03	37.10	4.82
002-077	0.00	0.00	0.00	39.23	0.00	11.01	25.00	13.76	0.00	11.01
002-078	6.99	0.00	0.00	27.46	54.78	0.00	0.00	0.00	0.00	10.77
002-079	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00
002-080	0.00	0.00	0.00	16.61	39.96	16.89	15.47	2.77	5.62	2.69
002-081	5.36	0.00	0.00	15.91	17.06	28.96	15.17	0.00	0.00	17.54
002-082	0.00	0.00	0.00	11.04	42.41	0.00	43.90	0.00	0.00	2.65
002-083	0.00	0.00	0.00	39.65	11.99	2.19	30.28	0.00	0.00	15.89
002-084	0.00	0.00	0.00	14.96	35.01	5.97	12.44	0.48	13.51	17.63

APPENDIX J SUMMARY OF CROP DISTRIBUTION (%)

Fmcrop	Alfalfa	Banana	Coconut	Datepalm	Grass	Limes	Mango	Other Trees	Vegetables	Mixed Trees
002-086	7.51	0.00	0.00	15.26	0.00	0.00	9.08	12.29	0.00	55.86
002-087	14.76	0.00	0.00	8.68	6.64	18.59	14.38	18.86	0.00	18.09
002-088	2.46	0.00	0.00	0.00	49.74	0.00	0.00	0.00	6.19	41.62
002-089	0.00	0.00	0.00	25.32	64.52	0.00	4.83	0.00	0.00	5.33
002-090	0.00	0.00	0.00	14.63	80.32	0.00	0.00	0.00	5.05	0.00
002-091	1.21	0.00	6.85	7.66	35.06	0.00	0.00	1.01	0.00	48.21
002-092	0.00	0.00	0.00	17.00	59.24	2.04	0.00	0.00	8.34	13.38
002-093	72.59	0.00	0.00	0.00	0.00	0.00	22.57	0.00	0.00	4.84
002-094	3.79	0.00	0.00	14.06	0.00	49.97	23.67	0.00	0.00	8.50
002-095	0.00	0.00	0.00	7.32	38.02	0.00	0.00	0.00	0.00	54.66
002-096	0.00	0.00	0.00	5.01	94.99	0.00	0.00	0.00	0.00	0.00
002-097	0.00	0.00	0.00	6.21	64.09	1.05	5.97	0.00	1.99	20.70
002-098	0.00	0.00	0.00	1.39	53.99	0.00	7.64	0.00	4.33	32.65
002-099	34.16	0.00	0.00	27.59	15.15	7.12	3.37	0.92	5.71	5.98
002-100	0.00	0.00	0.00	11.35	25.32	0.00	0.00	0.00	0.00	63.33
002-101	0.00	0.00	0.00	31.79	24.06	26.65	17.51	0.00	0.00	0.00
002-102	18.36	0.00	0.00	19.84	15.50	24.09	0.00	0.00	0.00	22.20
002-103	21.23	0.00	0.00	23.21	0.00	0.00	7.05	0.00	0.00	48.51
002-104	0.00	0.00	0.00	27.16	12.77	49.72	0.00	3.78	0.00	6.57
002-105	0.00	0.00	0.00	8.81	5.13	69.31	0.00	0.00	0.00	16.74
002-106	3.21	0.00	0.00	3.66	6.73	0.00	13.03	5.40	3.75	64.22
002-107	0.00	0.00	11.09	0.00	52.68	0.00	0.00	36.23	0.00	0.00
002-108	35.56	0.00	0.00	17.31	24.55	17.80	0.00	0.00	0.00	4.78
002-109	39.56	0.00	0.00	40.13	20.32	0.00	0.00	0.00	0.00	0.00
002-110	2.23	0.00	0.00	27.44	62.29	0.00	0.00	0.00	0.00	8.05
002-111	0.00	0.00	0.00	9.27	52.50	30.55	0.00	2.76	4.91	0.00
002-112	0.83	0.00	0.00	1.48	69.75	0.00	0.00	0.32	0.00	27.61
002-113	0.00	0.00	0.00	11.24	81.31	0.00	7.45	0.00	0.00	0.00
002-114	0.00	0.00	0.00	36.70	27.77	0.00	19.01	1.16	11.02	4.34
002-115	0.00	0.00	0.00	0.00	12.70	0.00	0.00	0.00	4.70	82.60
TOTAL	8.48	0.03	0.13	15.29	38.90	8.83	6.09	1.67	7.63	12.94

APPENDIX K

SUMMARY OF IRRIGATION METHODS

APPENDIX K SUMMARY OF IRRIGATION METHODS - PHASE 1

1994	Bubbler	Drip	Flood	Spray Gun	Sprinkler	Total
Alfalfa			80,988			80,988
Banana		8,774	66			8,840
Coconut			2,100			2,100
Datepalm	73,531	148,993	140,238			362,762
Grass		6,698	26,352	5,989	38,940	77,979
Limes	79,827	96,645	14,115	502,460	414,353	1,107,400
Mango	95,978	2,320	16,831			115,129
Other Trees	112,289	87,705	15,250		9,450	224,694
Vegetables		3,960	20,500			24,460
Mixed Trees	37,738	125,795	12,091			175,624
Total	399,363	480,890	328,531	508,449	462,743	2,179,976
1998	Bubbler	Drip	Flood	Spray Gun	Sprinkler	Total
Alfalfa			82,056			82,056
Banana		8,774	66			8,840
Coconut			2,100			2,100
Datepalm	73,801	152,143	139,998	5,989	38,940	410,871
Grass		13,738	5,555	496,160	483,630	999,083
Limes	79,827	25,145	14,115			119,087
Mango	100,178	2,320	16,391			118,889
Other Trees	107,269	81,234	17,950		9,450	215,903
Vegetables		122,463	65,226			187,689
Mixed Trees	42,268	81,397	24,921			148,586
Total	403,343	487,214	368,378	502,149	532,020	2,293,104

APPENDIX K SUMMARY OF IRRIGATION METHODS - PHASE 2

1996	Lined Flood	Unlined Flood	Drip/Bubbler	Sprinkler	Pipe	Total
Alfalfa	446,956	165,768	2,605	70,518	83,278	769,125
Banana	840	2,162				3,002
Coconut			11,600			11,600
Datepalm	206,177	205,109	919,213	15,750	40,760	1,387,009
Grass	20,827	23,602		3,483,052	486	3,527,967
Limes	43,967	32,711	710,657		13,403	800,738
Mango	34,640	80,961	405,067		31,774	552,442
Other Trees	17,387	3,931	126,872		3,392	151,582
Vegetables	1,640	2,082	608,311	66,291	13,798	692,122
Mixed Trees	170,982	48,856	838,040	62,567	53,604	1,174,049
	943,416	565,182	3,622,365	3,698,178	240,495	9,069,636
1997	Lined Flood	Unlined Flood	Drip/Bubbler	Sprinkler	Pipe	Total
Alfalfa	310,326	141,053	2,605	46,410	96,435	596,829
Banana	840	2,162				3,002
Coconut	6,800		4,800			11,600
Datepalm	208,702	212,029	950,319	15,750	40,760	1,427,560
Grass	21,497	23,602		3,352,517	486	3,398,102
Limes	37,567	32,711	711,065		13,403	794,746
Mango	34,640	80,961	427,904		31,774	575,279
Other Trees	21,059	3,931	130,140		3,392	158,522
Vegetables	12,440	5,002	686,622	112,763	13,798	830,625
Mixed Trees	170,982	48,856	827,480	38,155	53,604	1,139,077
	824,853	550,307	3,740,935	3,565,595	253,652	8,935,342
1998	Lined Flood	Unlined Flood	Drip/Bubbler	Sprinkler	Pipe	Total
Alfalfa	241,212	95,959	2,605	51,056	40,138	430,970
Banana	840					840
Coconut			11,600			11,600
Datepalm	221,755	190,425	941,623	15,750	42,384	1,411,937
Grass	87,399	20,222	2,550	2,927,844	63,576	3,101,591
Limes	18,379	36,215	621,021		9,806	685,421
Mango	30,123	80,946	435,481		12,800	559,350
Other Trees	13,492	3,931	131,242		2,184	150,849
Vegetables	16,025	5,002	394,556	55,216		470,799
Mixed Trees	175,402	46,215	853,254	31,780	51,556	1,158,207
	804,627	478,915	3,393,932	3,081,646	222,444	7,981,564

APPENDIX L

IRRIGATION METHODS PER FARM

APPENDIX L SUMMARY OF IRRIGATION METHOD PER FARM - PHASE 1 -1998

Fmcrop	Bubbler	Drip	Flood	Spray Gun	Sprinkler
001-001	21,734	4,599	2,994		13,293
001-003	165,735	9,425	14,400		7,200
001-004	25,007	1,080			34,486
001-005		153,038			83,100
001-006	21,834	1,960	16,740		11,698
001-007			40,945		11,400
001-008		27,245	11,296		
001-009	17,620		1,617		32,555
001-010	10,810	15,383			
001-011	19,364	11,740	17,460		21,110
001-012	6,165	17,640	1,440		38,155
001-013	7,973	38,914	6,300	404,249	
001-015			27,504		
001-016			79,593		
001-017		84,168			
001-018		39,430	5,300		36,800
001-019		19,600	6,050		49,785
001-020		8,832	58,400		
001-021	93,045	2,500			
001-022		39,800	43,404		
001-023		600			24,400
001-024					168,038
001-025		11,260		97,900	
001-026			34,935		
001-027	14,056				
Total	403,343	487,214	368,378	502,149	532,020

APPENDIX L SUMMARY OF IRRIGATION METHOD PER FARM - PHASE 1 -1994

Fmcrop	Bubbler	Drip	Flood	Spray Gun	Sprinkler
001-001	21,734	11,048	2,994		7,308
001-003	160,935	9,425	14,400		
001-004	25,007	1,080			26,441
001-005		179,338			56,800
001-006	17,634	1,960	24,830		7,848
001-007			47,270		5,525
001-008		27,245	6,936		
001-009	17,620				32,555
001-010	12,010	1,800			4,158
001-011	19,364	9,820	13,430		26,110
001-012	9,985	12,570	1,440		43,225
001-013	7,973	38,914		410,549	
001-015			29,064		
001-016			82,022		
001-017		65,468			
001-018		89,380			
001-019		19,600			60,335
001-020			36,642		
001-021	93,045	1,000	800		
001-022			33,768		
001-023		982			24,400
001-024					168,038
001-025		11,260		97,900	
001-026			34,935		
001-027	14,056				
Total	399,363	480,890	328,531	508,449	462,743

APPENDIX L SUMMARY OF IRRIGATION METHOD PER FARM - PHASE 2 -1996

Farm no	Flood Lined	Flood Unlined	Drip/Bubbler	Sprinkler	Pipe
002-001			117,356		
002-002		31,186		28,440	
002-003		10,788	91,651		1,590
002-004	101,306	11,912			
002-005	3,600	24,220			
002-006	43,890			27,760	
002-007	24,399			14,536	
002-008	47,364	3,398			13,798
002-009	55,600		5,000	99,600	
002-010		13,610		37,427	15,727
002-011	31,205	9,251			
002-012	11,250			121,125	6,250
002-013	17,818				6,009
002-014		26,972			47,450
002-015	22,708	22,230			
002-016					47,902
002-017		11,781			
002-018	5,460	20,778			
002-019		11,760			
002-020		45,667			
002-021	7,129			64,299	
002-022	3,872		8,136	29,600	16,654
002-023		5,873	24,293	22,351	
002-024	1,740		2,605	39,400	
002-025		23,280		12,960	
002-026			149,880	50,400	
002-027	15,520			245,720	
002-028				415,520	
002-029	50,400				
002-030		5,800			
002-031		24,560			
002-033					43,926
002-034			47,063	28,423	
002-035	50,155	2,364		5,430	
002-036	23,835				
002-037			33,248		
002-038	15,796			40,882	
002-039			51,960	490	
002-040			383,000	86,394	
002-041		12,748			
002-042	38,440				
002-043		13,233			
002-044	2,948	4,108		30,938	
002-045	33,042	3,321			
002-046	1,063	1,000			
002-047			26,793	66,600	
002-048		37,990	12,115		
002-049	46,151	13,670			
002-050	38,424				3,817
002-051		33,468			
002-052	1,768		16,548	41,376	
002-053			70,776	84,320	

APPENDIX L SUMMARY OF IRRIGATION METHOD PER FARM - PHASE 2 -1996

Farm no	Flood Lined	Flood Unlined	Drip/Bubbler	Sprinkler	Pipe
002-054			17,001	25,100	1,500
002-055			92,800		
002-056			41,787	26,900	
002-057			44,399	19,341	
002-058			114,720		
002-059			31,293	115,500	
002-060			74,496	20,160	
002-061			8,932	28,897	
002-062			63,950	12,325	
002-063			37,757	10,600	
002-064		2,082	22,470	10,700	
002-065			18,085	16,489	
002-066			169,292		
002-067			50,438	32,314	
002-068			47,810	47,510	
002-069			12,307	59,042	
002-070			70,613	26,724	22,888
002-071	16,600			10,875	
002-072			75,880		
002-073	11,500	60,739		17,505	
002-074			62,161		
002-075			85,878	1,705	
002-076			58,713	65,708	
002-077			21,803		
002-078	5,498		19,943	29,179	
002-079				211,400	
002-080			65,066	43,300	
002-081			57,846	16,720	
002-082		50,818		37,420	
002-083			74,905	10,200	
002-084			77,530	41,770	
002-086	5,688		70,063		
002-087	45,186				
002-088	55,603		7,807	62,744	
002-089	39,900			59,080	
002-090			23,416	95,541	
002-091	1,200		62,250	35,800	
002-092			37,558	91,958	
002-093	5,664	15,000			
002-094			38,040	1,500	
002-095			58,560	35,920	
002-096			8,000	151,730	
002-097			20,822	37,160	
002-098			46,998	74,136	
002-099	10,010		38,540	27,480	
002-100			67,520	22,889	
002-101			15,960	5,056	
002-102	3,526	2,905	21,000	4,320	
002-103			11,132		3,000
002-104			150,955	22,100	
002-105		2,290	42,324		
002-106			139,110	15,356	

APPENDIX L SUMMARY OF IRRIGATION METHOD PER FARM - PHASE 2 -1996

Farm no	Flood Lined	Flood Unlined	Drip/Bubbler	Sprinkler	Pipe
002-107			20,480	22,800	
002-108	9,358		14,335	26,495	
002-109	7,455	2,180		4,878	9,498
002-110	21,291			34,676	486
002-111			24,753	27,360	
002-112	700	4,200	62,800	148,164	
002-113			32,333	140,700	
002-114			49,310	18,960	
002-115	9,354				
	943,416	565,182	3,622,365	3,698,178	240,495

APPENDIX L SUMMARY OF IRRIGATION METHOD PER FARM - PHASE 2 -1997

Farm no	Flood Lined	Flood Unlined	Drip/Bubbler	Sprinkler	Pipe
002-001			117,356		
002-002		31,186		28,440	
002-003		10,788	91,651		1,590
002-004	58,698	11,912			
002-005		24,220			
002-006	43,890			27,760	
002-007	31,166			11,879	
002-008	47,364	3,398			13,798
002-009	12,000		5,000	128,400	
002-010		13,610		37,427	15,727
002-011	31,205	9,251			
002-012	11,250			121,125	6,250
002-013	19,941				
002-014		26,972			39,510
002-015	22,708	22,230			
002-016					47,902
002-017		11,781			
002-018	5,460	20,778			
002-019		18,680		3,480	
002-020		38,170			
002-021	7,129			37,969	
002-022	3,872		8,136	29,600	16,654
002-023		5,873	24,293	22,351	
002-024	1,740		2,605	39,400	
002-025		23,280		18,320	
002-026			149,880	50,400	
002-027	15,520			245,720	
002-028				415,520	
002-029	50,400				
002-030		5,800			
002-031		24,560			
002-033					43,926
002-034			47,063	28,423	
002-035	55,179	2,364		5,430	
002-036	9,675			2,810	
002-037			31,348		
002-038	17,178			39,500	
002-039			51,960	490	
002-040			400,466	25,347	
002-041		12,748			
002-042	32,390				
002-043		13,233			
002-044	2,948	4,108		30,938	
002-045	33,042	3,321			
002-046	1,063	1,000			
002-047			57,580	35,813	
002-048		16,170	12,115		
002-049	46,151	13,670			
002-050	18,418				3,817
002-051		33,468			
002-052			16,548	43,144	
002-053			70,776	90,640	

APPENDIX L SUMMARY OF IRRIGATION METHOD PER FARM - PHASE 2 -1997

Farm no	Flood Lined	Flood Unlined	Drip/Bubbler	Sprinkler	Pipe
002-054			17,001	25.100	1,500
002-055			92,800		
002-056			34,238	26,900	
002-057			25,704	38.036	
002-058			174,240		
002-059			29,500	70,900	
002-060			78,296	16,360	
002-061			8,932	31.771	
002-062			63,950	12,325	
002-063			37,757	10,600	
002-064		2,082	21,996	10,700	
002-065			18,085	16,489	
002-066			169,292		
002-067			50,438	32,314	
002-068			47,810	40,760	
002-069			15,967	47,562	
002-070			70,613	19,962	24,384
002-071	16,600			10,875	
002-072			75,880		
002-073	11,500	60,739		17,505	
002-074			62,161		
002-075			95,693	2,305	
002-076			63,655	50,008	
002-077			21,803		
002-078	5,498		19,943	29,179	
002-079			3,000	208,400	
002-080		2,920	65,066	43,300	
002-081			57,696	18,520	
002-082		50,818		37,420	
002-083			74,905	27,300	
002-084			77,530	41,770	
002-086	5,688		71,023	10,470	
002-087	45,186				
002-088	55,603		7,807	62,744	
002-089	39,900			59,080	
002-090			23,416	95,541	
002-091	8,000		55,450	35,800	
002-092			39,934	91,958	
002-093	6,807	19,602	5,680		
002-094			38,040	1,500	
002-095			58,560	35,920	
002-096			8,000	151,730	
002-097			20,822	37,160	
002-098			46,998	74,136	
002-099			57,440	11,520	10,010
002-100			67,520	22,889	15,600
002-101			15,960	5,056	
002-102	3,526	2,905	21,000	4,320	
002-103			11,132		3,000
002-104			150,955	22,100	
002-105		2,290	42,324		
002-106			139.110	16.382	

APPENDIX L SUMMARY OF IRRIGATION METHOD PER FARM - PHASE 2 -1997

Farm no	Flood Lined	Flood Unlined	Drip/Bubbler	Sprinkler	Pipe
002-107			20,480	22,800	
002-108	9,358		5,400	19,911	
002-109	7,455	2,180		4,878	9,498
002-110	21,291			34,676	486
002-111			24,753	27,360	
002-112	700	4,200	62,800	148,164	
002-113			32,333	143,853	
002-114			53,270	18,960	
002-115	9,354				
Total	824,853	550,307	3,740,935	3,565,595	253,652

APPENDIX L SUMMARY OF IRRIGATION METHODS PER FARM - PHASE 2 - 1998

Farm no	Flood Lined	Flood Unlined	Drip/Bubbler	Sprinkler	Pipe
002-001			110,456	2,000	
002-002	4,600	18,786		28,440	
002-003		10,788	91,651		1,590
002-004	52,878	10,592			
002-005		27,820			
002-006	60,130			2,760	
002-007	22,377			28,555	
002-008	28,629	1,236			
002-009	12,000		5,000	97,800	
002-010	6,300	13,610		37,427	
002-011	31,205	9,251		26,977	
002-012	23,594			99,113	6,250
002-013	21,390				
002-014		26,316			27,145
002-015	22,708	22,230			
002-016			4,900		35,003
002-017					
002-018	5,460	20,778			
002-019		22,160			
002-020	38,800			500	
002-021	7,129				37,969
002-022	3,872			28,960	25,430
002-023		5,873	24,293	22,351	
002-024	1,740		2,605	39,400	
002-025		23,280		18,320	
002-026			149,880	50,400	
002-027	15,520			245,720	
002-028				415,520	
002-029	50,400				
002-030		5,800			
002-031		24,560			
002-033					23,312
002-034			47,063	28,423	
002-035	40,165	591		23,782	
002-036	6,594				2,810
002-037			31,348		
002-038	17,178			39,500	
002-039			51,960		
002-040			201,415		
002-041		5,800			
002-042	15,779				
002-043		13,233			
002-044	2,948	4,108			
002-045		4,788			
002-046	1,063				
002-047			57,580	35,813	
002-048		11,870	12,115		
002-049	20,173	13,670			
002-050	18,418				3,817
002-051		34,426			
002-052			16,548	43,144	
002-053			70,776	90,640	

APPENDIX L SUMMARY OF IRRIGATION METHODS PER FARM - PHASE 2 - 1998

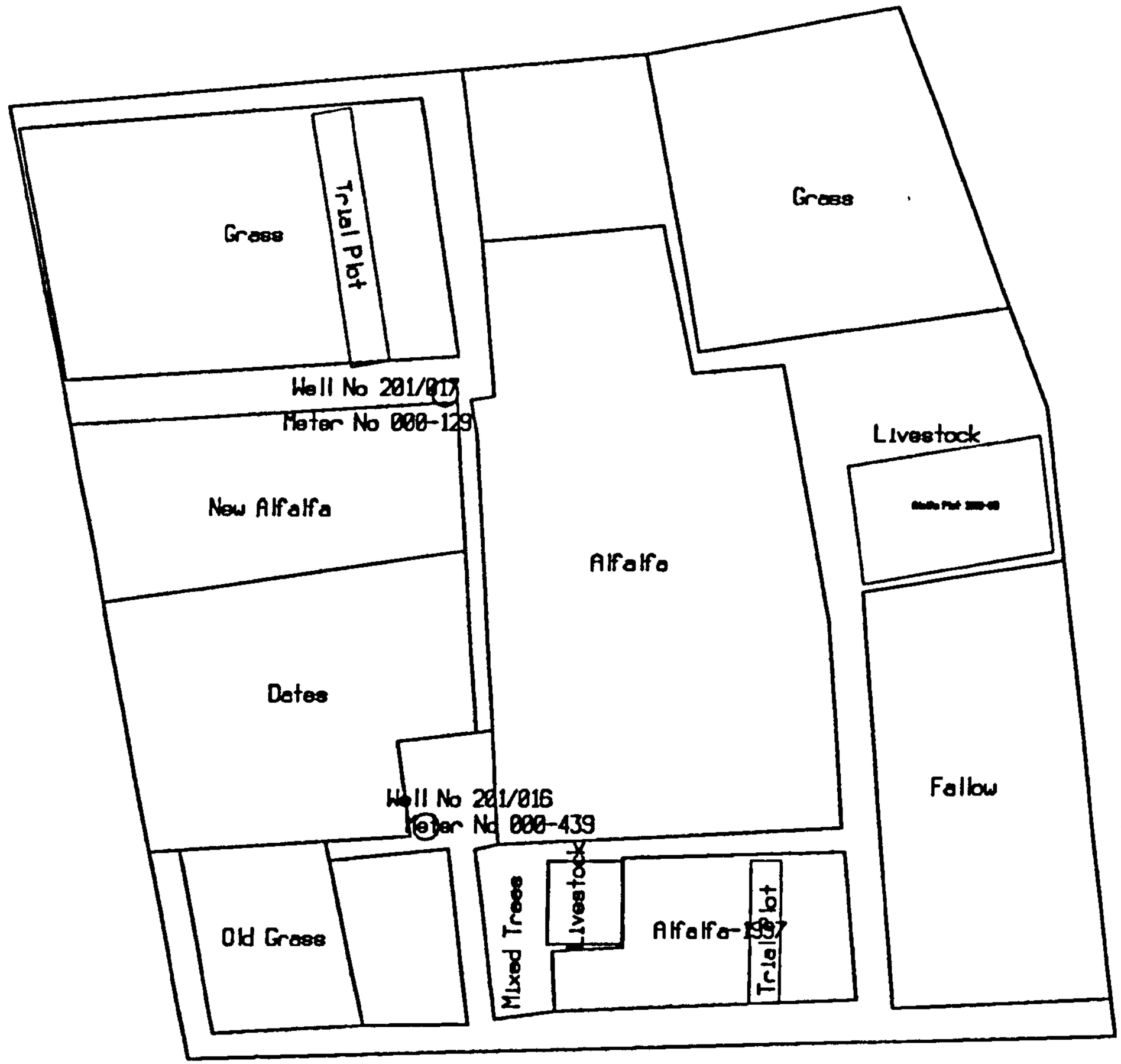
Farm no	Flood Lined	Flood Unlined	Drip/Bubbler	Sprinkler	Pipe
002-054			33,701	25,100	
002-055			92,800		
002-056			40.238	26,900	
002-057			25,704	38,036	
002-058			16,000		
002-059			29,500	70,900	
002-060			71,166	16,360	
002-061			8,932	28,897	
002-062			63,950	12,325	
002-063			37,757	10,600	
002-064		2,082	22,776	10,700	
002-065			72,859	2,301	1,470
002-066			169,292		
002-067			56,813	15,876	
002-068			47,810	40,760	
002-069	23,062		18,517	21,950	
002-070			70.613	43,142	9,753
002-071	19,600				10,875
002-072		2,346	39,027		
002-073		59,632		17,505	
002-074			43.030	25,114	
002-075			98,017	4,705	
002-076			89,988	10,464	
002-077			21,803		
002-078	5,498		19,943	29,179	
002-079			3,000	208,400	
002-080		2,920	65,066	43,300	
002-081			57,696	18,520	
002-082		50,818	1,400	36,980	
002-083			74,905	27,300	
002-084			77,530	41,770	
002-086	5,688		71,023		
002-087	44,806				
002-088	56,188			25,900	
002-089	39,900			59,080	
002-090			23,416	95,541	
002-091			50,700	18,400	
002-092			39,934	17,750	
002-093	6,807	12,455	5,680		
002-094			38,040	1,500	
002-095			58,560	30,736	
002-096			8,000	120,730	
002-097	3,034		22,628	20,530	
002-098			49,873	64,861	
002-099			52,064	11,520	
002-100			67,520	31,816	15,600
002-101			42,300	5,056	
002-102	3,526	2,905	21,000	4,320	
002-103			11,132		
002-104		5,521	111,906	55,000	
002-105		2,290	34,587		
002-106			139,110	16,382	

APPENDIX L SUMMARY OF IRRIGATION METHODS PER FARM - PHASE 2 - 1998

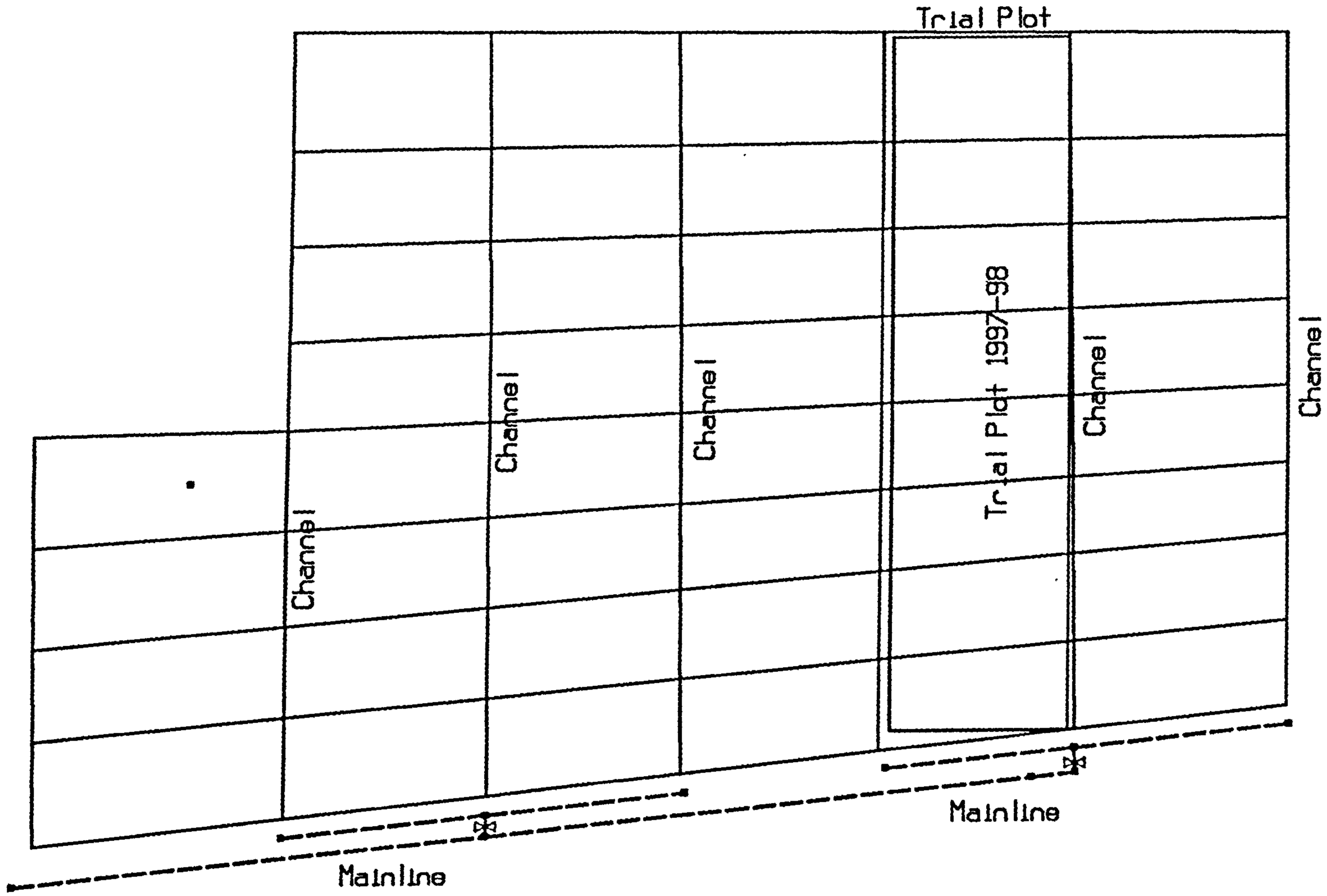
Farm no	Flood Lined	Flood Unlined	Drip/Bubbler	Sprinkler	Pipe
002-107			20,480	22,800	
002-108	9,358		5,400	14,880	
002-109	9,405	2,180		4,878	9,498
002-110	36,731				11,922
002-111			24,753	27,360	
002-112	700	4,200	62,800	148,164	
002-113			32,333	32,853	
002-114			53,270	18,960	
002-115	9,354				
Total	804,707	478,915	3,393,932	3,081,646	222,444

APPENDIX M

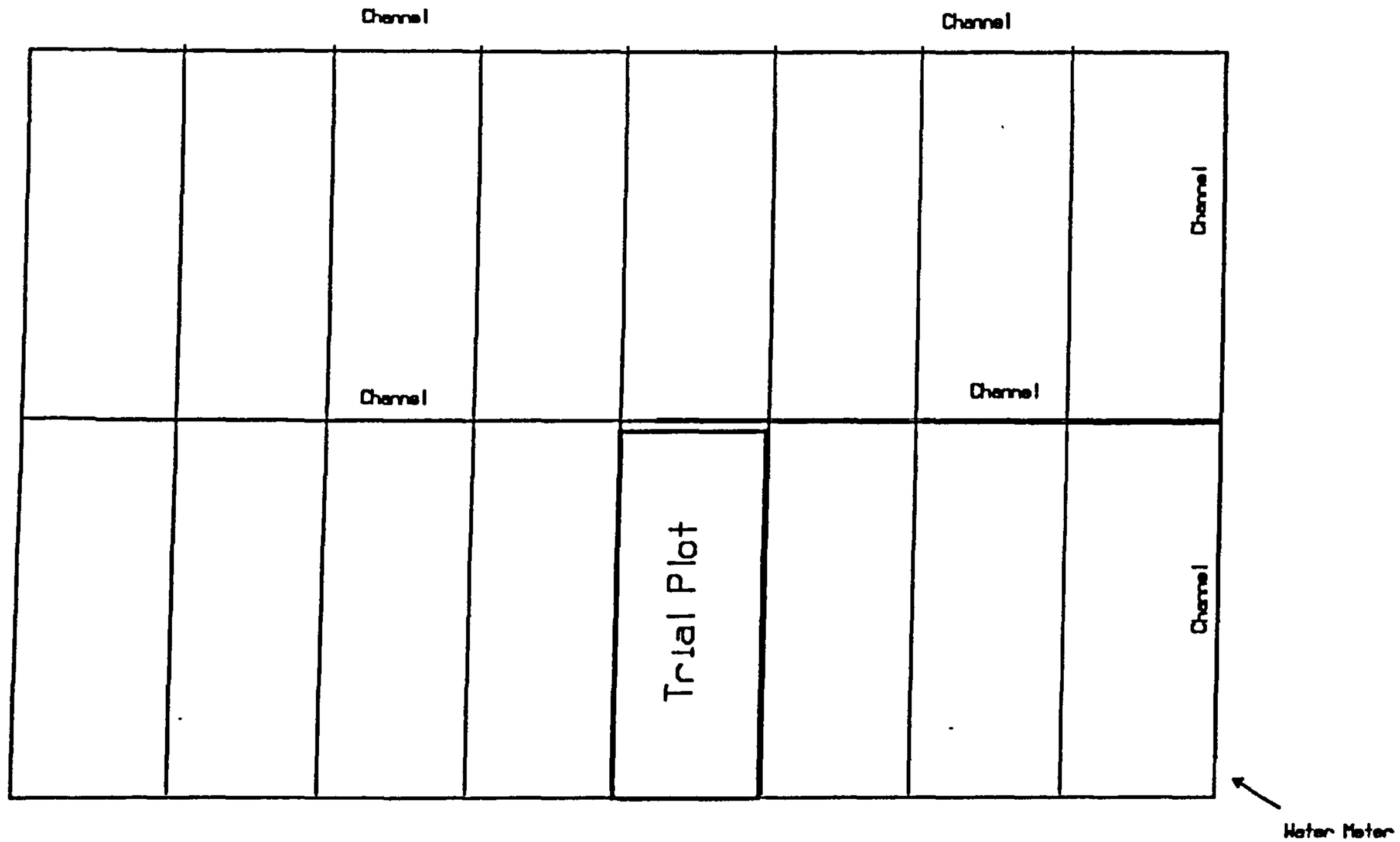
CASE STUDY FARM MAPS



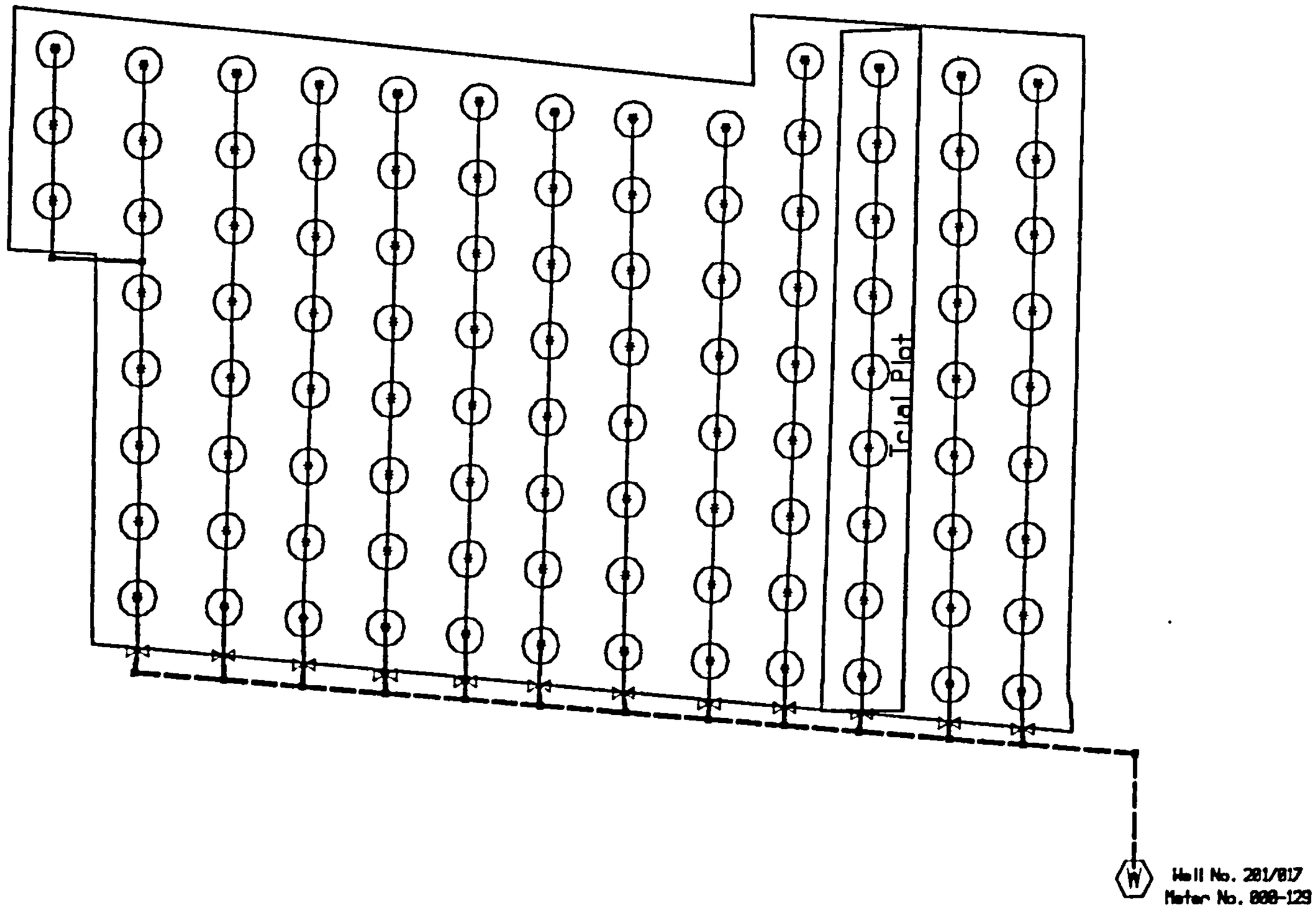
IRRIGATION CASE STUDY . Farm No. 002-006 Layout DRWG No: 2061 6th April 2000 1 : 2500



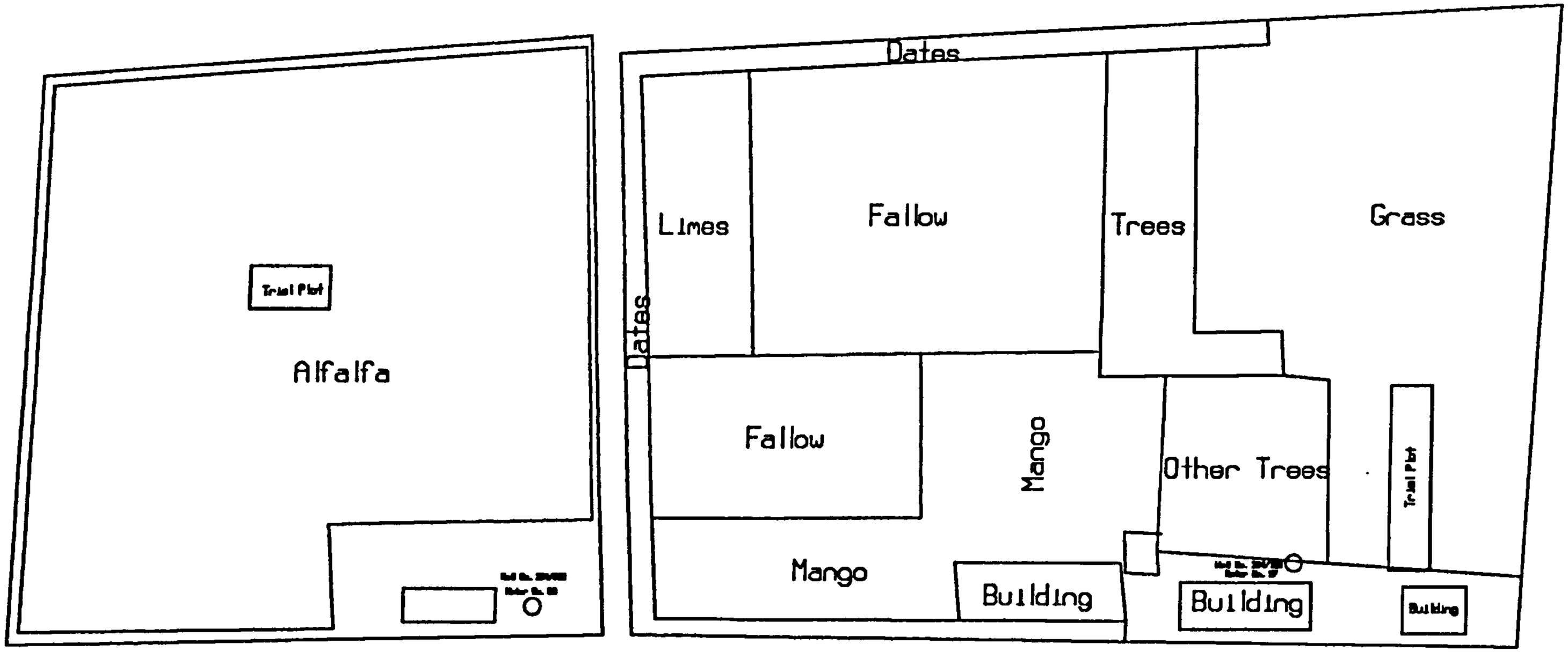
IRRIGATION CASE STUDY Farm No 002-006 Alfalfa DRWG No: 2063 23rd June 1999 1 : 500



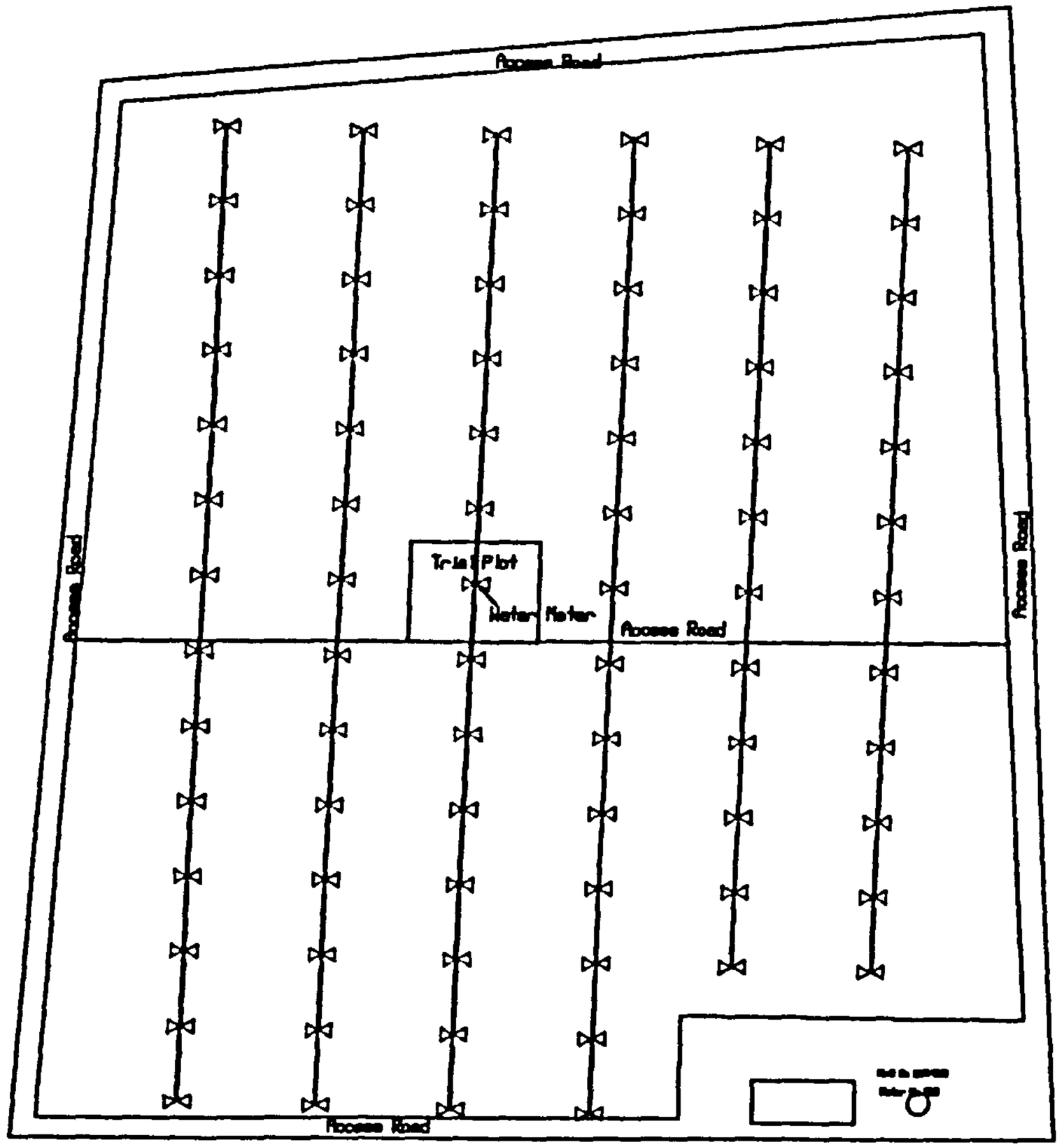
IRRIGATION CASE STUDY Farm No 002-006 Alfalfa 1999 DRWG No: 2064 26th June 1999 1 : 300



IRRIGATION CASE STUDY | Farm No 002-006 Grass 1997 | DRWG No: 2062 | 23rd June 1999 | 1 : 1000

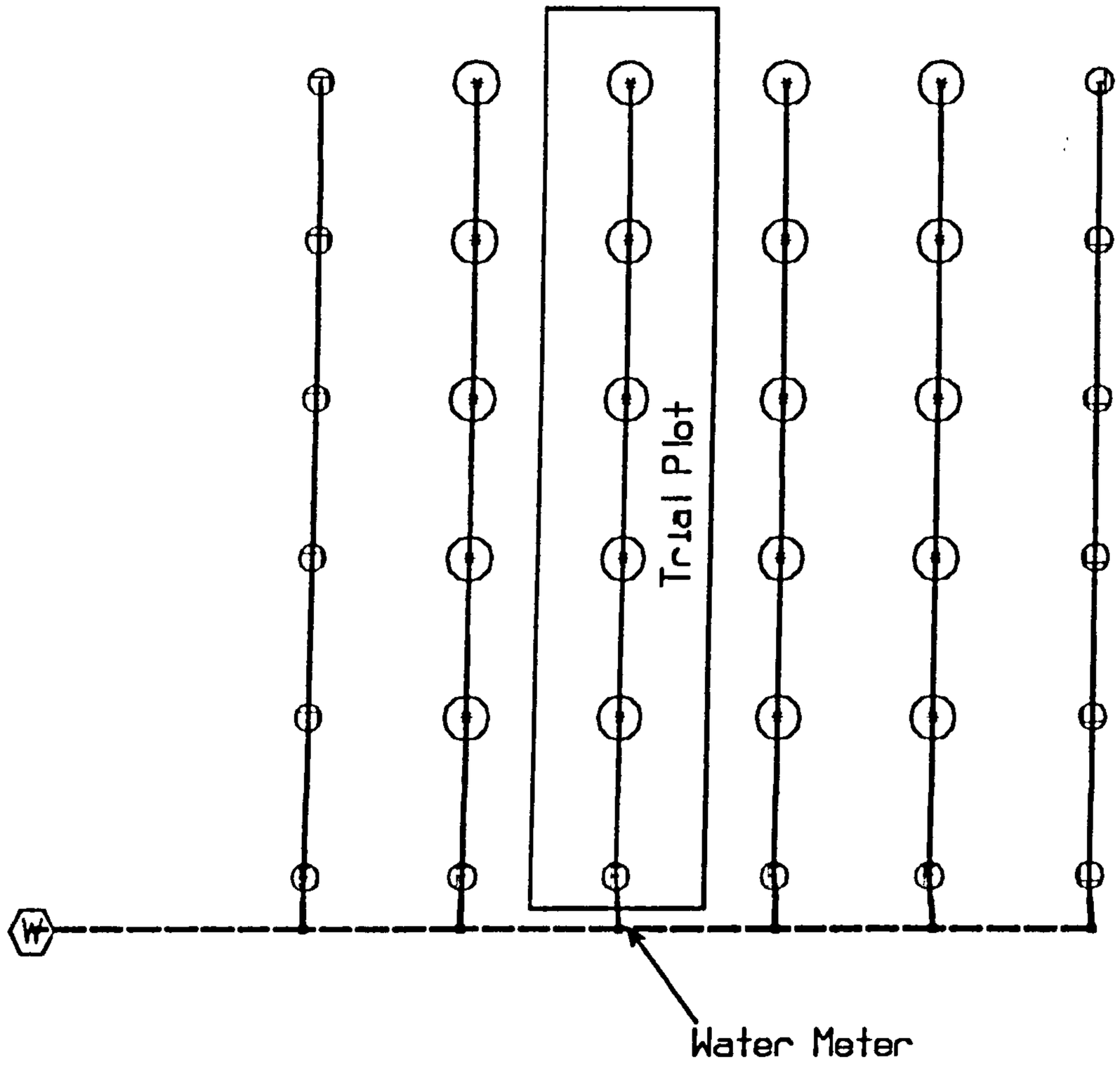


IRRIGATION CASE STUDY	Farm No 002-007	Layout	DRWG No: 2071	24th June 1999	1 : 2500

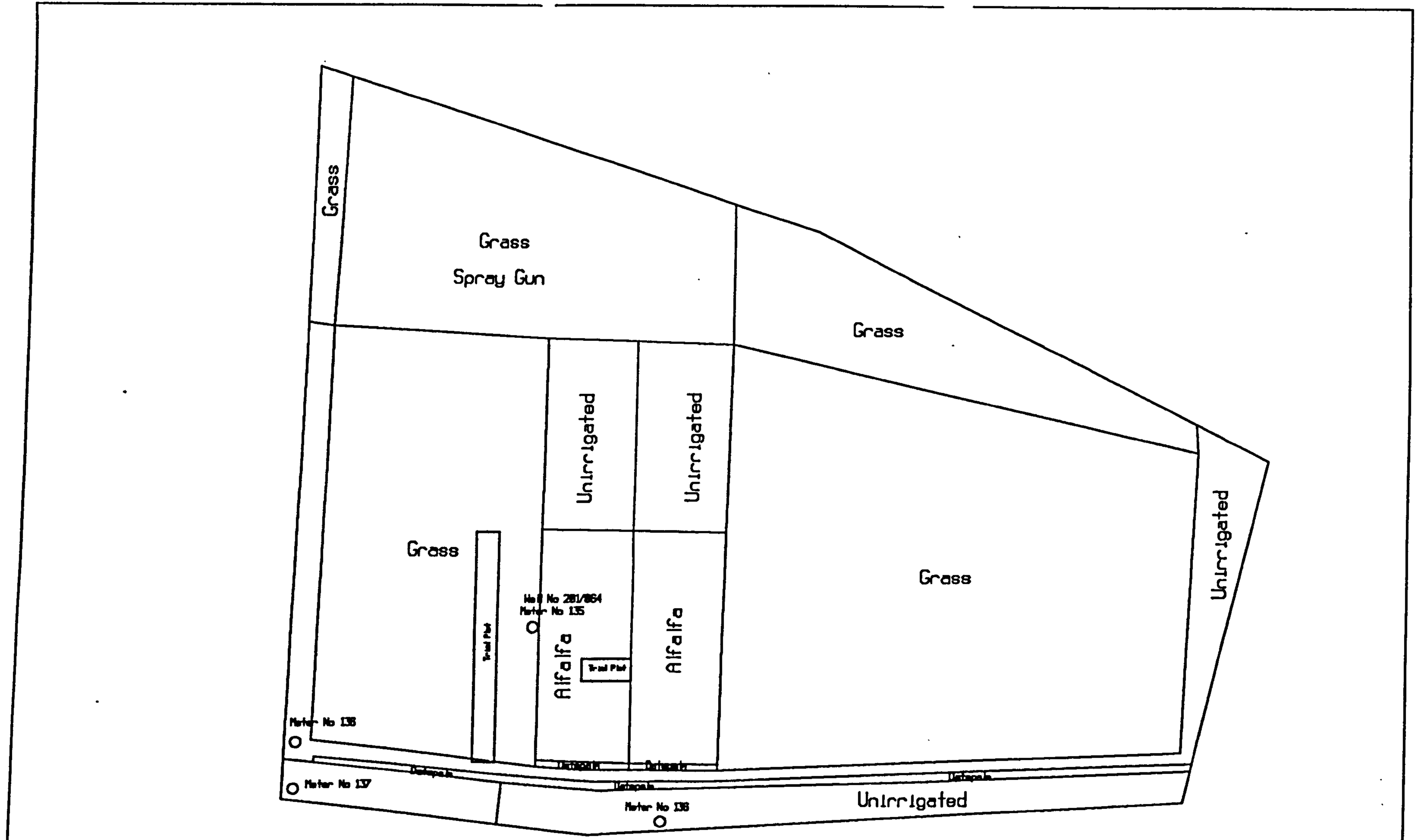


Cropped from 25888 m2

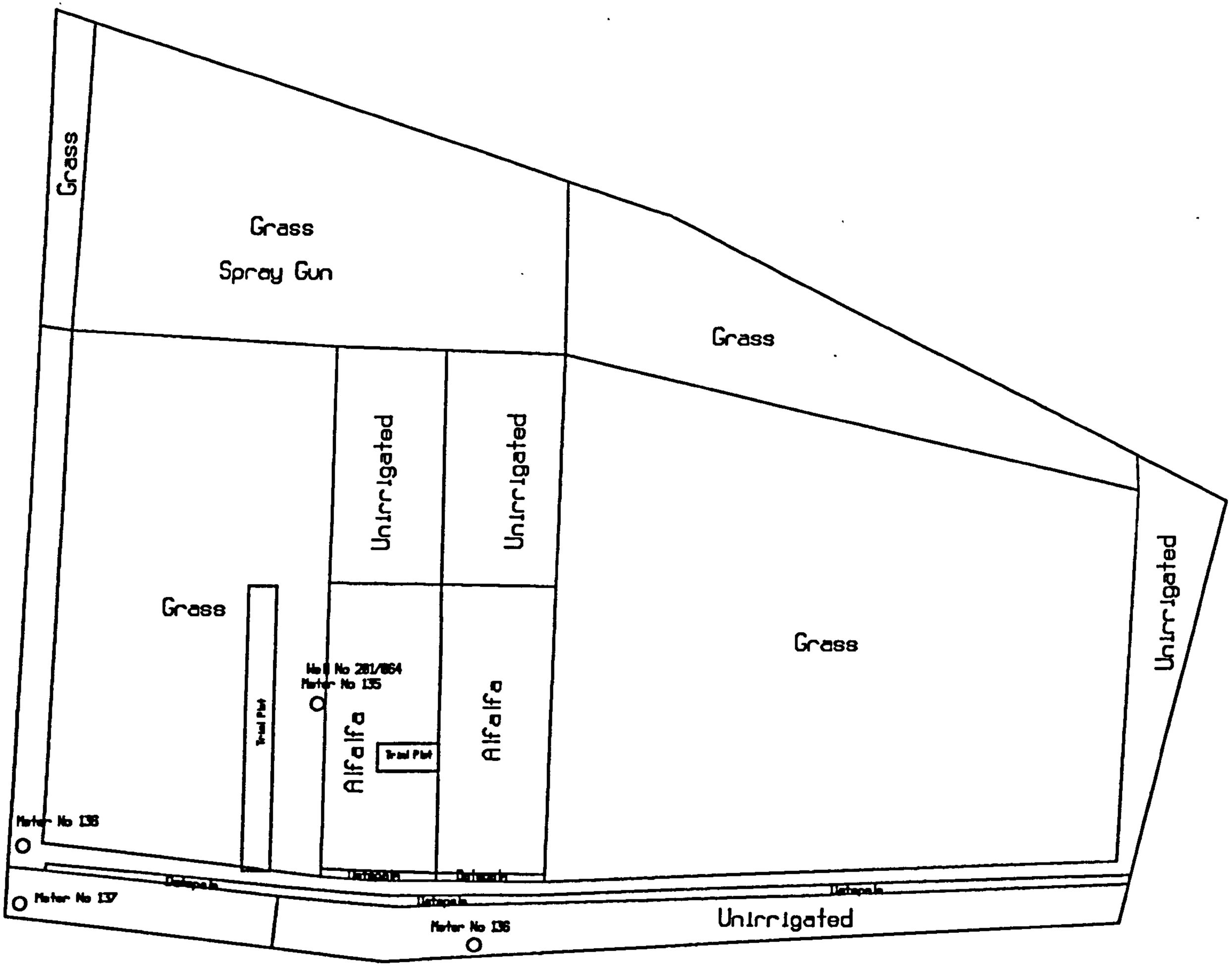
IRRIGATION CASE STUDY	Farm No 002-007	Alfalfa	DRWG No: 2072	24th June 1999	1 : 1500



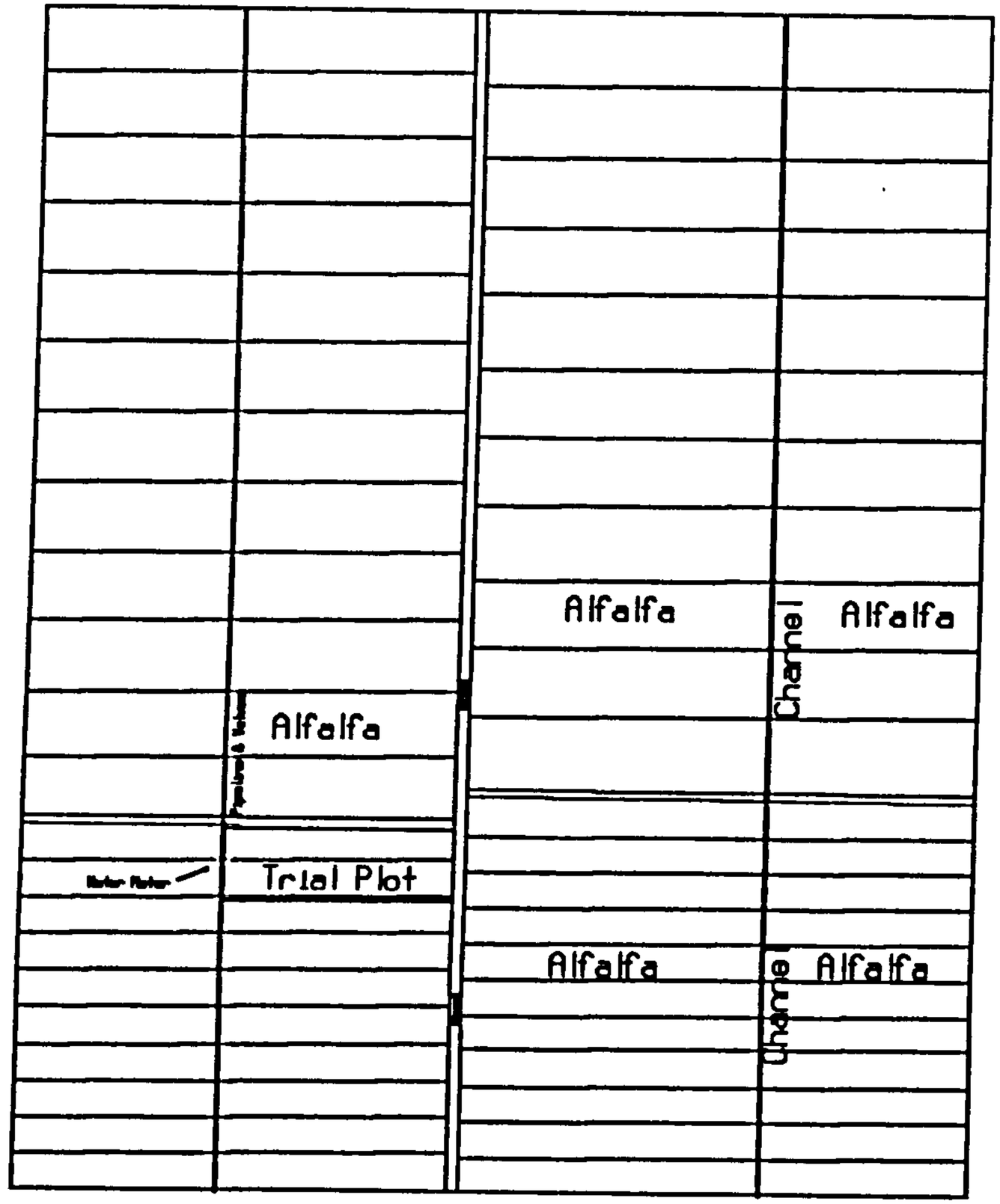
IRRIGATION CASE STUDY	Farm No 7	Grass	DRWG No: 2073	24th June 1999	1 : 700



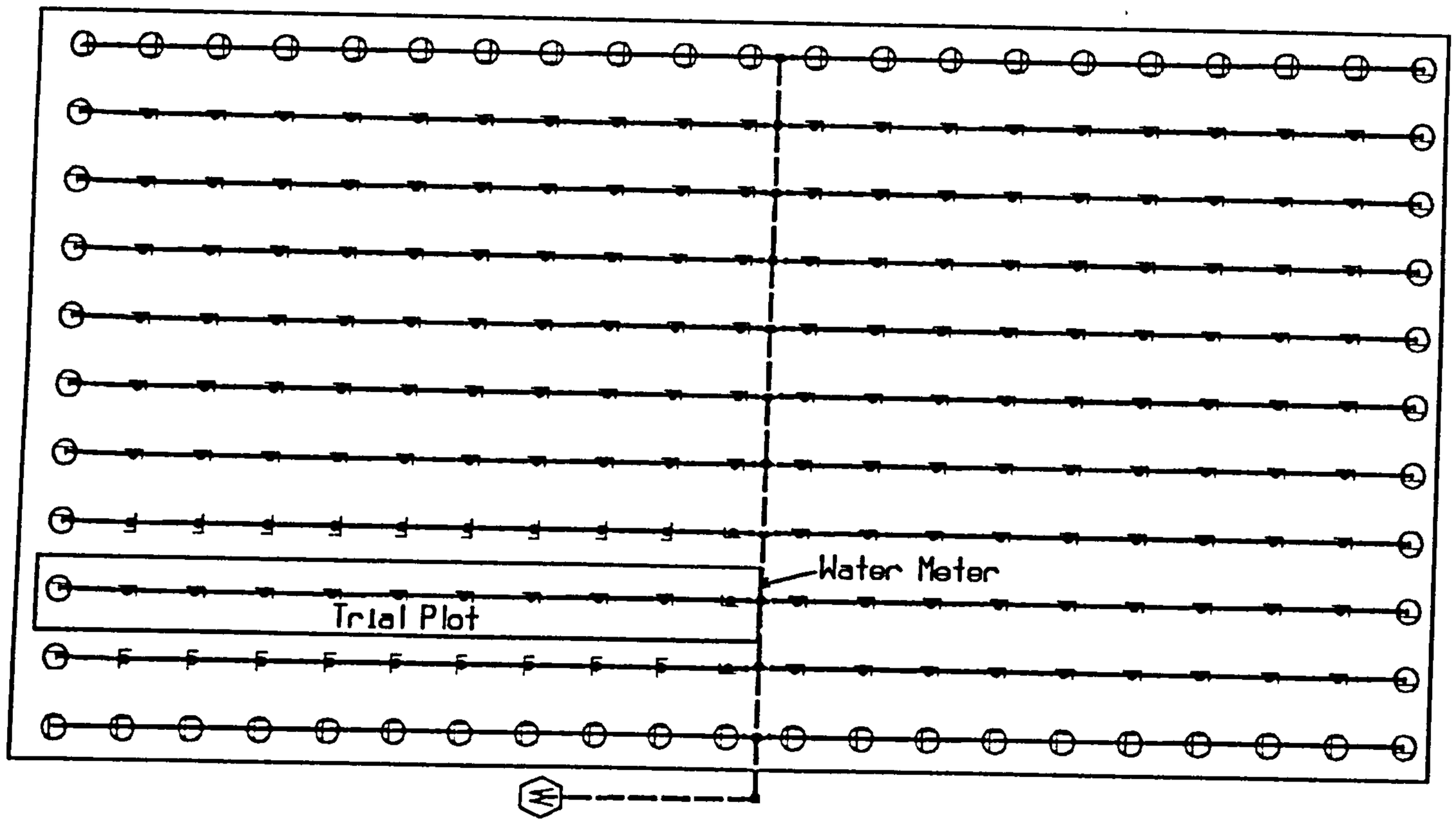
IRRIGATION CASE STUDY | Farm No 002-009 | Layout | DRWG No: 2091 | 24th June 1999 | 1 : 3000



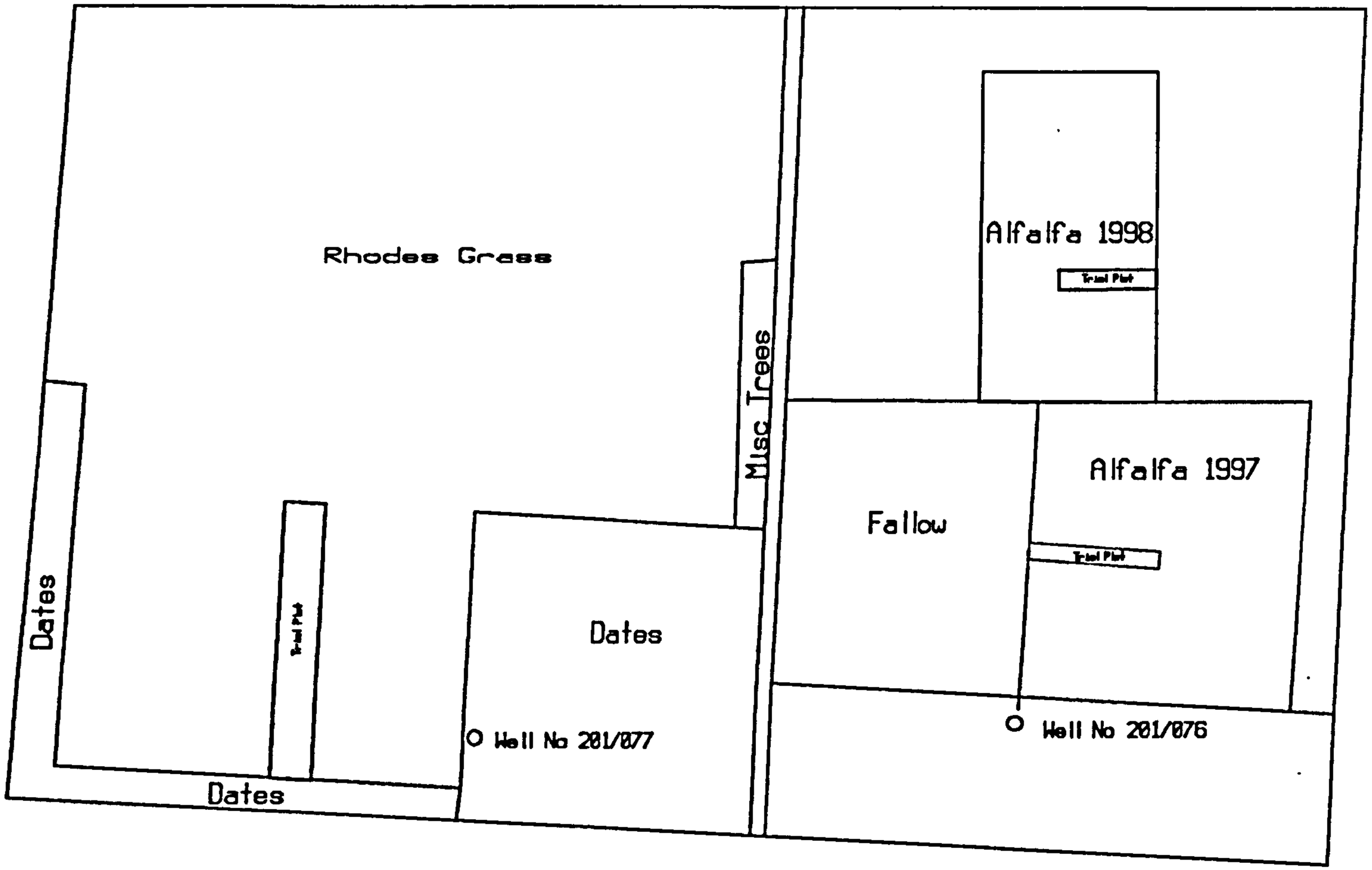
IRRIGATION CASE STUDY | Farm No 002-009 | Layout | DRWG No: 2091 | 24th June 1999 | 1 : 3000



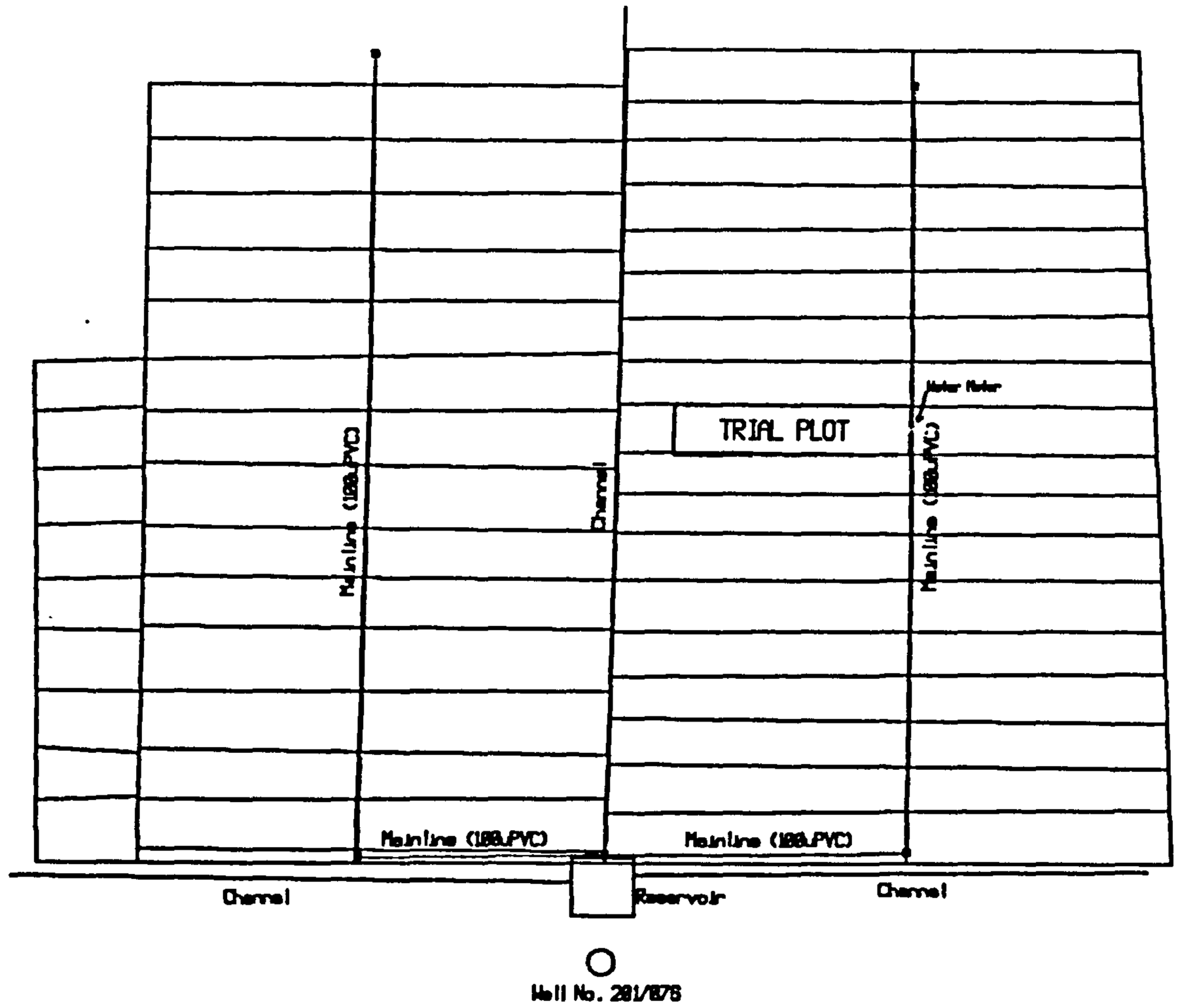
IRRIGATION CASE STUDY Farm No 002-009 Alfalfa Plot DRWG No: 2094 26th June 1999 1 : 1000



IRRIGATION CASE STUDY | Farm No 002-009 | Grass | DRWG No: 2095 | 24th June 1999 | 1 : 1500

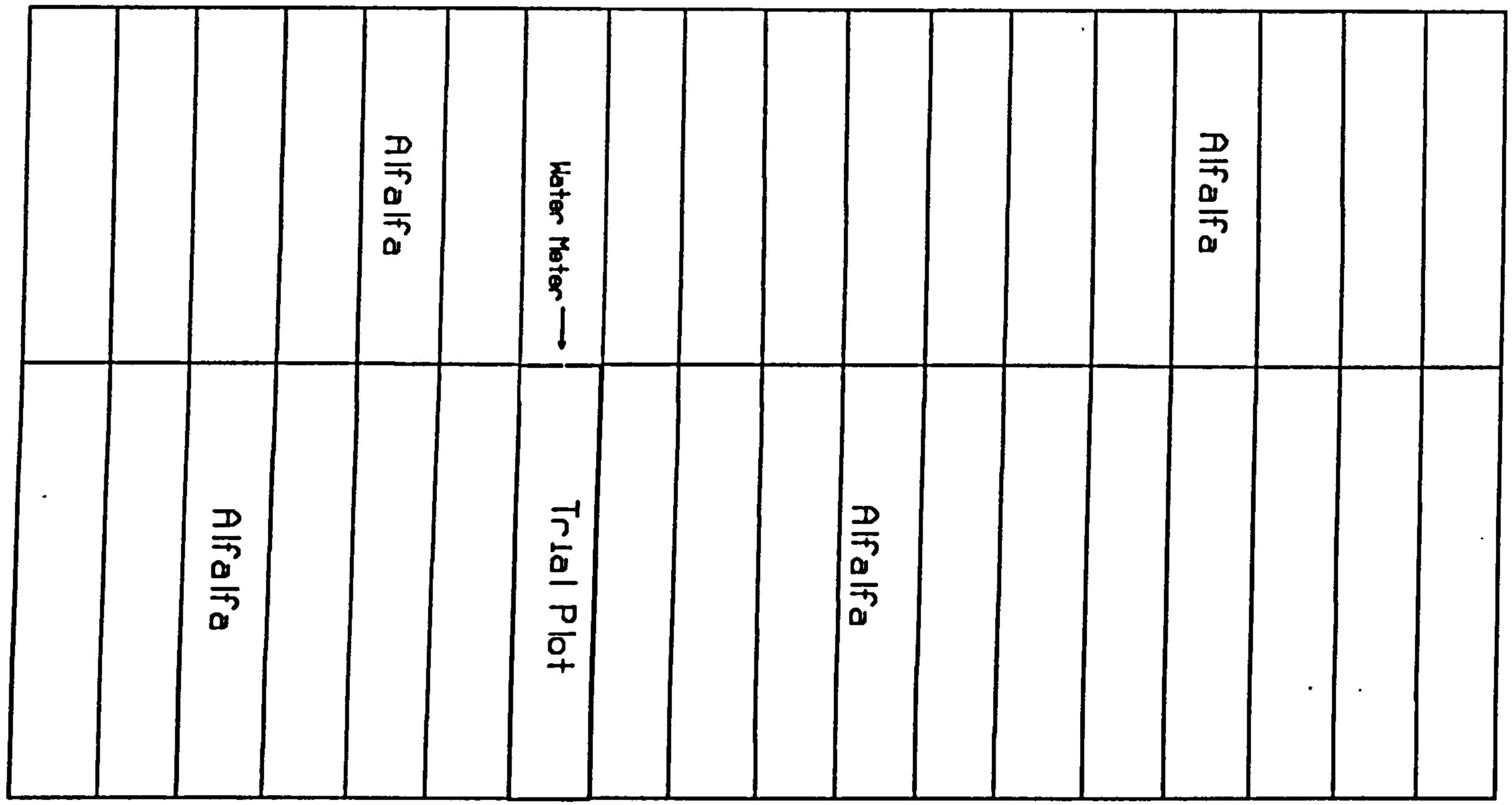


IRRIGATION CASE STUDY | FARM 002-010 | LAYOUT | DRWG No: 2101 | 23rd June 1999 | 1 : 2000

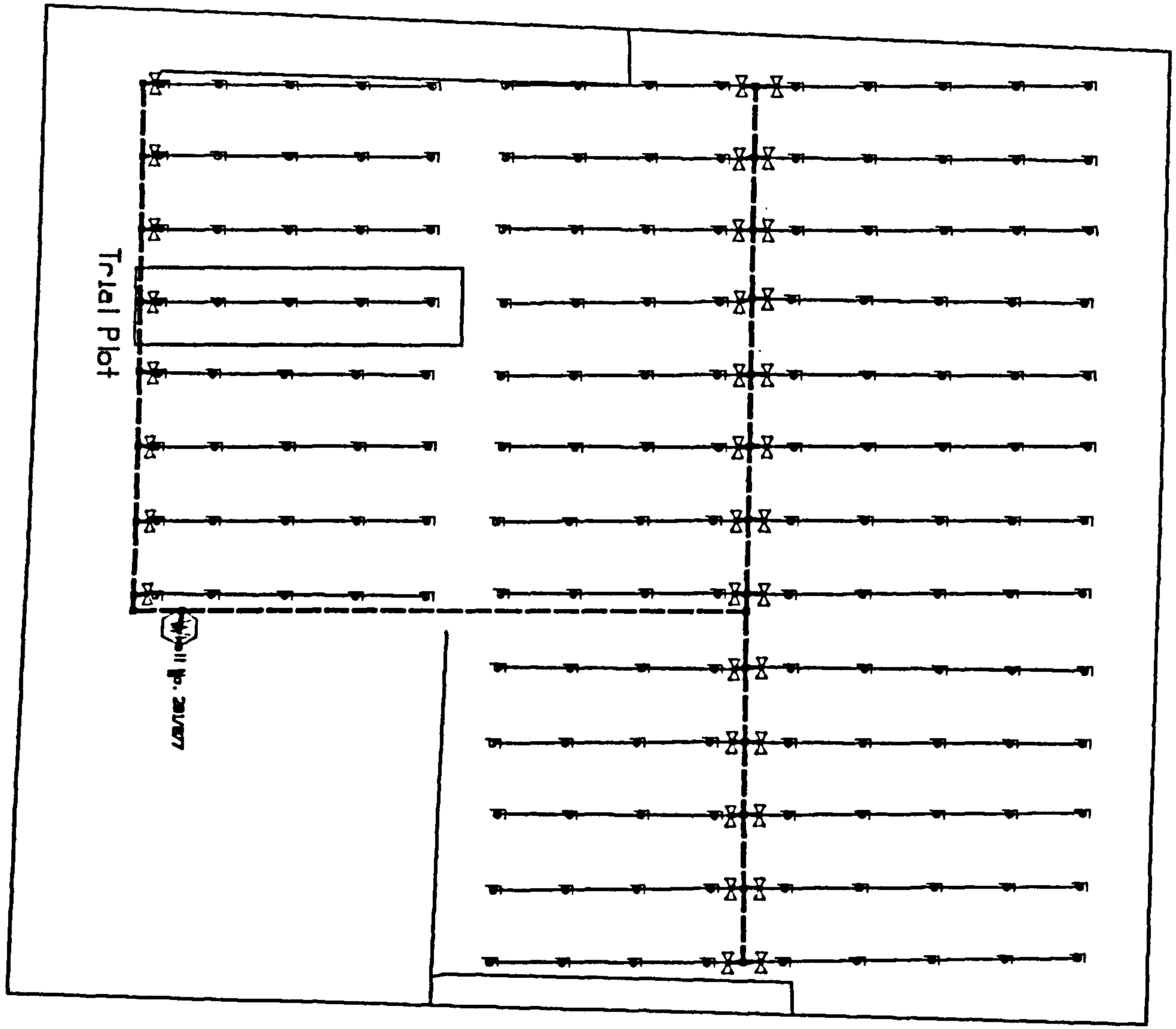


IRRIGATION CASE STUDY	Farm 002-010	Alfalfa 1997	DRWG No: 2103	26th June 1999	1 : 1000

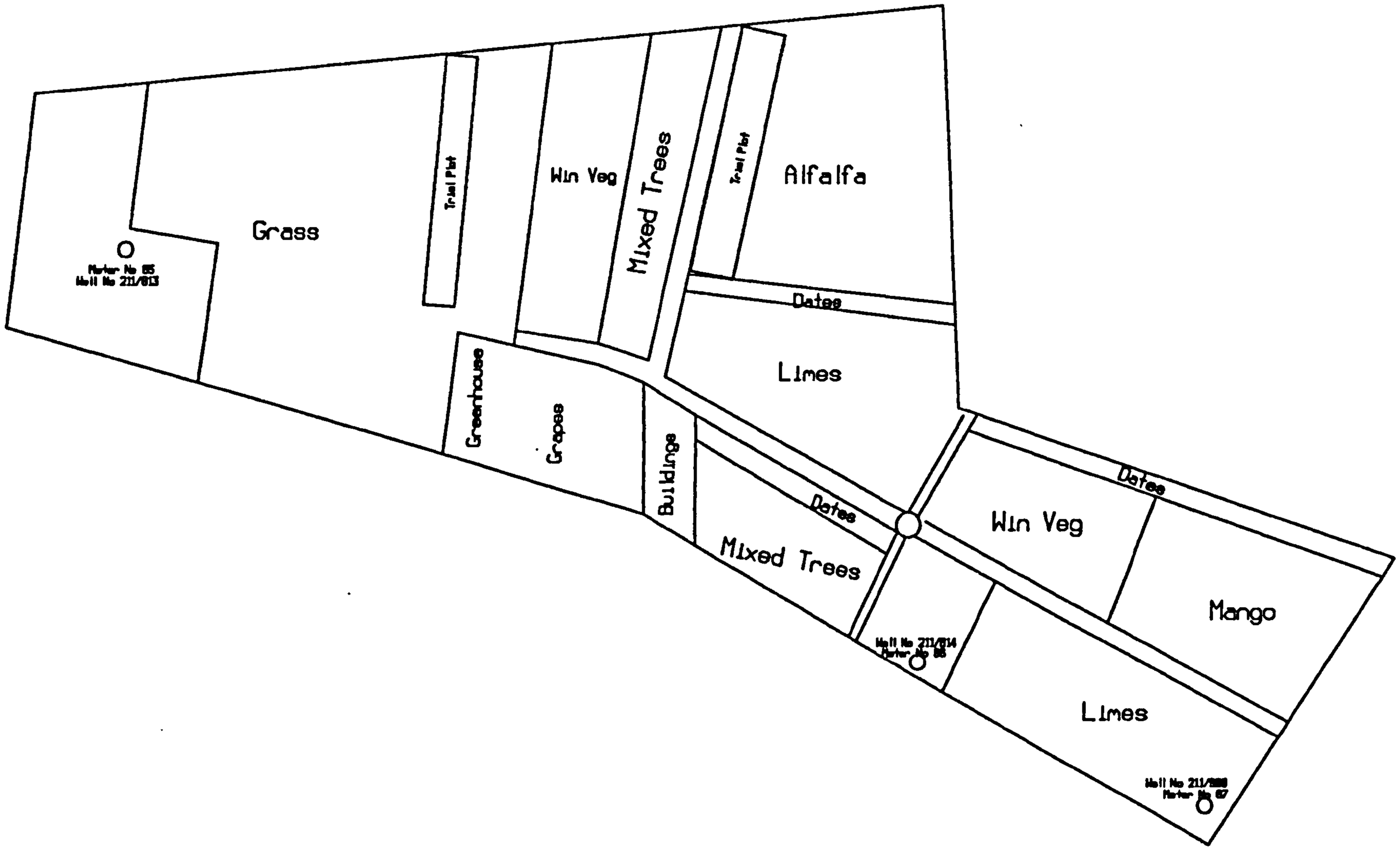
397



IRRIGATION CASE STUDY . Farm No 002-010Alfalfa - 1998 DRWG No: 2105 26th June 1999 1 : 500

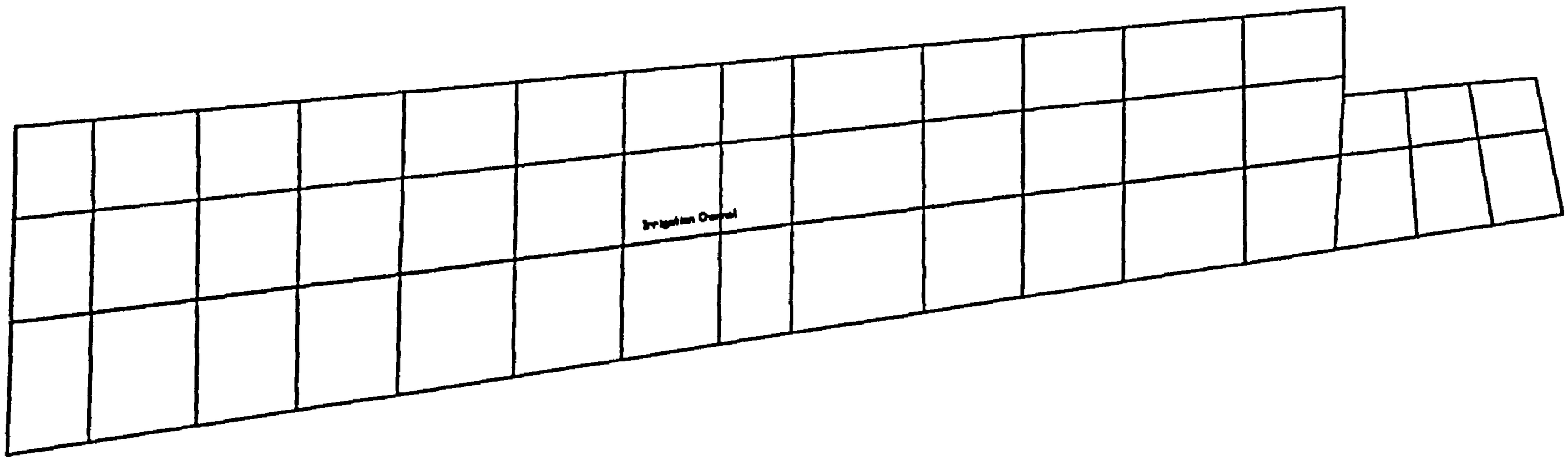


IRRIGATION CASE STUDY	Farm 002-010	Grass	DRWG No: 2016	24th June 1999	1 : 1500

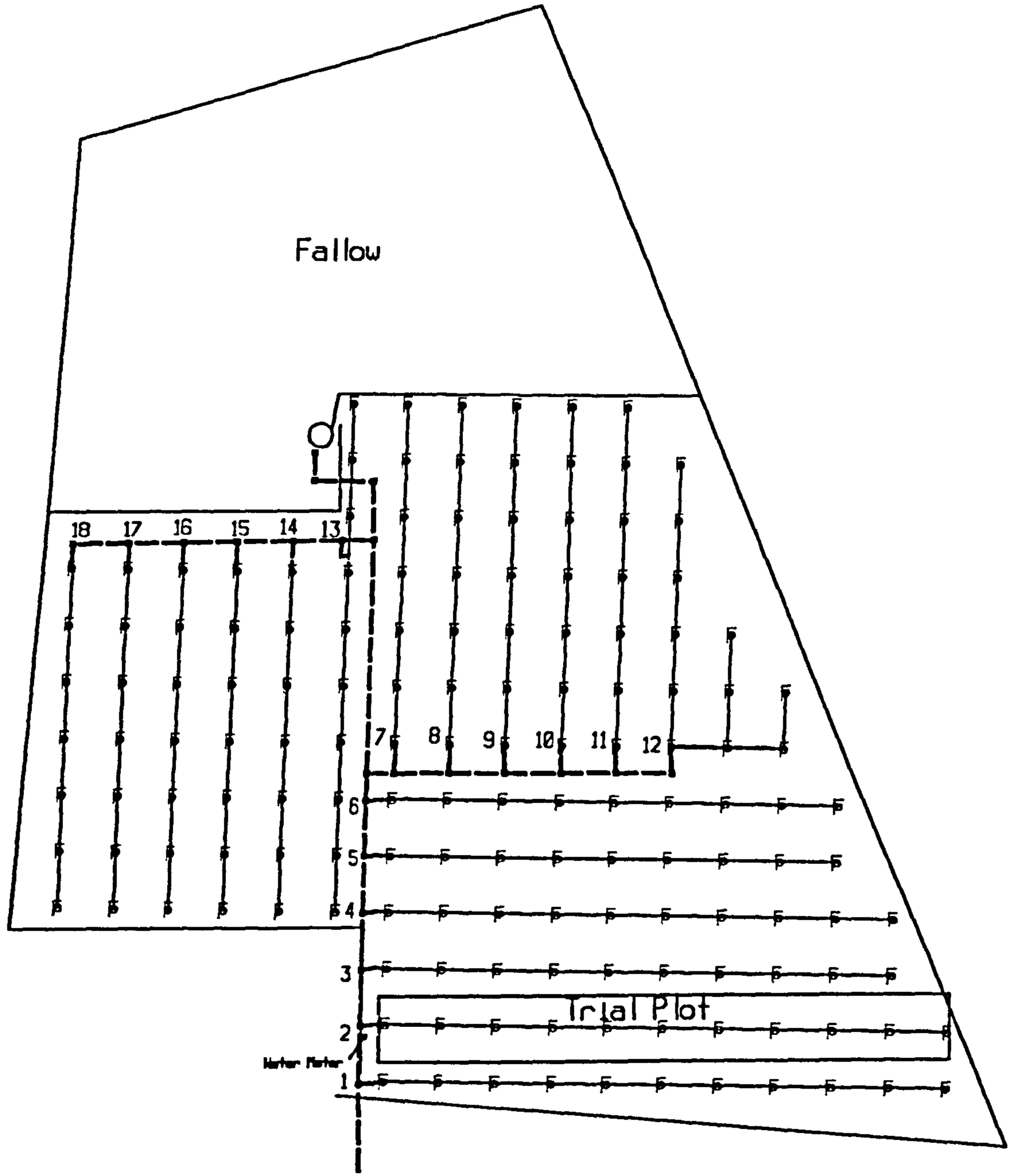


IRRIGATION CASE STUDY | Farm No 002-011 | Layout | DRWG No: 2111 | 24th June 1999 | 1 : 2500

Plot Area = 670 m2



IRRIGATION CASE STUDY	Farm No 002-011 Alfalfa Plot	DRWG No: 2113	24th June 1999	1 : 300



IRRIGATION CASE STUDY | Farm No 002-011 Grass Plot | DRWG No: 2114 | 26th June 1999 | 1 : 1500

APPENDIX N

IRRIGATION RATES & PLOT WATER BALANCE- GRASS

APPENDIX N IRRIGATION APPLICATION RATE - GRASS - FARM 002-006

Month	ETo	ETcrop	ECmax	ECw	Lf	EU %	Kc
Jan	3.10	3.10	15000	7500	1.333333	70	1
Feb	3.84	3.84					
Mar	4.92	4.92					
Apr	6.50	6.50					
May	7.69	7.69					
Jun	7.79	7.79					
Jul	7.18	7.18					
Aug	6.48	6.48					
Sep	6.08	6.08					
Oct	5.21	5.21					
Nov	3.80	3.80					
Dec	3.05	3.05					

Farm 6 Plot Water Balanee - Grass

Date	Irrigation (mm)	Soil Water Content (%)	Avail Water (mm)	Rootzone AW at FC (mm)	ETo (mm)	ETc (mm)	Adj ETc (mm)	Exc Irr (mm)	Rtzn Depth (mm)
19.12.97	5	102	145	142	3.05	3.05	3.05	0	750
20.12.97	0	99	142	142	3.05	3.05	3.05	0	750
21.12.97	0	97	139	142	3.05	3.05	3.05	0	750
22.12.97	0	95	136	142	3.05	3.05	3.05	0	750
23.12.97	7	98	139	142	3.05	3.05	3.05	0	750
24.12.97	0	96	136	142	3.05	3.05	3.05	0	750
25.12.97	0	94	133	142	3.05	3.05	3.05	0	750
26.12.97	0	91	130	142	3.05	3.05	3.05	0	750
27.12.97	7	94	134	142	3.05	3.05	3.05	0	750
28.12.97	0	92	131	142	3.05	3.05	3.05	0	750
29.12.97	0	90	128	142	3.05	3.05	3.05	0	750
30.12.97	13	97	138	142	3.05	3.05	3.05	0	750
31.12.97	0	95	135	142	3.05	3.05	3.05	0	750
01.01.98	0	93	132	142	3.10	3.10	3.10	0	750
02.01.98	0	91	129	142	3.10	3.10	3.10	0	750
03.01.98	33	105	150	142	3.10	3.10	3.10	9	750
04.01.98	0	103	147	142	3.10	3.10	3.10	0	750
05.01.98	0	101	144	142	3.10	3.10	3.10	0	750
06.01.98	0	98	140	142	3.10	3.10	3.10	0	750
07.01.98	10	104	148	142	3.10	3.10	3.10	0	750
08.01.98	0	101	145	142	3.10	3.10	3.10	0	750
09.01.98	0	99	141	142	3.10	3.10	3.10	0	750
10.01.98	0	97	138	142	3.10	3.10	3.10	0	750
11.01.98	8	100	143	142	3.10	3.10	3.10	0	750
12.01.98	0	98	140	142	3.10	3.10	3.10	0	750
13.01.98	0	96	137	142	3.10	3.10	3.10	0	750
14.01.98	0	94	134	142	3.10	3.10	3.10	0	750
15.01.98	7	97	138	142	3.10	3.10	3.10	0	750
16.01.98	0	94	134	142	3.12	3.12	3.12	0	750
17.01.98	0	92	131	142	3.15	3.15	3.15	0	750
18.01.98	7	95	135	142	3.18	3.18	3.18	0	750
19.01.98	0	93	132	142	3.20	3.20	3.20	0	750
20.01.98	0	90	129	142	3.23	3.23	3.23	0	750
21.01.98	0	88	125	142	3.25	3.25	3.25	0	750
22.01.98	8	91	130	142	3.28	3.28	3.28	0	750
23.01.98	0	89	127	142	3.30	3.30	3.30	0	750
24.01.98	0	87	124	142	3.33	3.33	3.33	0	750
25.01.98	0	84	120	142	3.35	3.35	3.35	0	750
26.01.98	8	88	125	142	3.38	3.38	3.38	0	750
27.01.98	0	86	122	142	3.40	3.40	3.40	0	750
28.01.98	0	83	119	142	3.43	3.43	3.43	0	750
29.01.98	0	81	115	142	3.45	3.45	3.45	0	750
30.01.98	0	78	112	142	3.48	3.48	3.48	0	750
31.01.98	6	80	114	142	3.51	3.51	3.51	0	750
01.02.98	0	77	110	142	3.53	3.53	3.53	0	750
02.02.98	0	75	107	142	3.56	3.56	3.56	0	750
03.02.98	0	72	103	142	3.56	3.56	3.56	0	750
04.02.98	0	70	100	142	3.58	3.58	3.58	0	750
05.02.98	3	69	99	142	3.61	3.61	3.61	0	750
06.02.98	8	73	103	142	3.63	3.63	3.63	0	750
07.02.98	0	70	100	142	3.66	3.66	3.66	0	750
08.02.98	0	67	96	142	3.68	3.68	3.68	0	750
09.02.98	0	65	92	142	3.71	3.71	3.71	0	750
10.02.98	0	62	88	142	3.73	3.73	3.73	0	750
11.02.98	0	59	85	142	3.76	3.76	3.76	0	750

Farm 6 Plot Water Balanee - Grass

Date	Irrigation (mm)	Soil Water Content (%)	Avail Water (mm)	Rootzone AW at FC (mm)	ETo (mm)	ETc (mm)	Adj ETc (mm)	Exc Irr (mm)	Rtzn Depth (mm)
12.02.98	12	65	93	142	3.78	3.78	3.78	0	750
13.02.98	1	63	90	142	3.81	3.81	3.81	0	750
14.02.98	0	60	86	142	3.84	3.84	3.84	0	750
15.02.98	8	63	90	142	3.89	3.89	3.89	0	750
16.02.98	15	71	102	142	3.91	3.91	3.91	0	750
17.02.98	0	68	98	142	3.94	3.94	3.94	0	750
18.02.98	0	66	93	142	3.99	3.99	3.99	0	750
19.02.98	6	67	96	142	4.01	4.01	4.01	0	750
20.02.98	0	64	92	142	4.06	4.06	4.06	0	750
21.02.98	12	70	100	142	4.09	4.09	4.09	0	750
22.02.98	0	67	95	142	4.14	4.14	4.14	0	750
23.02.98	8	70	99	142	4.17	4.17	4.17	0	750
24.02.98	0	67	95	142	4.19	4.19	4.19	0	750
25.02.98	0	64	91	142	4.24	4.24	4.24	0	750
26.02.98	17	72	103	142	4.27	4.27	4.27	0	750
27.02.98	1	70	100	142	4.32	4.32	4.32	0	750
28.02.98	7	72	103	142	4.34	4.34	4.34	0	750
01.03.98	0	69	98	142	4.37	4.37	4.37	0	750
02.03.98	0	66	94	142	4.42	4.42	4.42	0	750
03.03.98	0	63	89	142	4.45	4.45	4.45	0	750
04.03.98	8	65	92	142	4.50	4.50	4.50	0	750
05.03.98	0	62	88	142	4.52	4.52	4.52	0	750
06.03.98	0	58	83	142	4.57	4.57	4.57	0	750
07.03.98	10	62	89	142	4.60	4.60	4.60	0	750
08.03.98	0	59	84	142	4.62	4.62	4.62	0	750
09.03.98	24	73	104	142	4.67	4.67	4.67	0	750
10.03.98	0	70	99	142	4.70	4.70	4.70	0	750
11.03.98	5	70	100	142	4.75	4.75	4.75	0	750
12.03.98	0	66	95	142	4.78	4.78	4.78	0	750
13.03.98	0	63	90	142	4.80	4.80	4.80	0	750
14.03.98	5	63	90	142	4.85	4.85	4.85	0	750
15.03.98	0	60	85	142	4.88	4.88	4.88	0	750
16.03.98	6	61	86	142	4.93	4.93	4.93	0	750
17.03.98	0	57	81	142	4.98	4.98	4.98	0	750
18.03.98	8	60	85	142	5.03	5.03	5.03	0	750
19.03.98	0	56	80	142	5.08	5.08	5.08	0	750
20.03.98	0	52	74	142	5.13	5.13	5.13	0	750
21.03.98	7	54	77	142	5.18	5.18	5.18	0	750
22.03.98	0	50	71	142	5.23	5.23	5.23	0	750
23.03.98	6	51	72	142	5.28	5.28	5.28	0	750
24.03.98	0	47	67	142	5.33	5.33	5.33	0	750
25.03.98	0	43	62	142	5.38	5.38	5.08	0	750
26.03.98	15	51	73	142	5.44	5.44	4.75	0	750
27.03.98	1	48	68	142	5.51	5.51	5.51	0	750
28.03.98	0	44	62	142	5.56	5.56	5.28	0	750
29.03.98	0	40	58	142	5.61	5.61	4.93	0	750
30.03.98	8	43	61	142	5.66	5.66	4.57	0	750
31.03.98	0	40	57	142	5.72	5.72	4.93	0	750
01.04.98	8	42	60	142	5.77	5.77	4.57	0	750
02.04.98	0	39	55	142	5.82	5.82	4.93	0	750
03.04.98	12	44	63	142	5.87	5.87	4.57	0	750
04.04.98	0	41	58	142	5.92	5.92	5.23	0	750
05.04.98	9	43	62	142	5.97	5.97	4.85	0	750
06.04.98	0	40	57	142	6.02	6.02	5.23	0	750
07.04.98	0	36	52	142	6.07	6.07	4.83	0	750

Farm 6 Plot Water Balanee - Grass

Date	Irrigation (mm)	Soil Water Content (%)	Avail Water (mm)	Rootzone AW at FC (mm)	ETo (mm)	ETc (mm)	Adj ETc (mm)	Exc Irr (mm)	Rtzn Depth (mm)
08.04.98	11	41	58	142	6.12	6.12	4.45	0	750
09.04.98	0	37	53	142	6.17	6.17	5.03	0	750
10.04.98	15	44	63	142	6.25	6.25	4.65	0	750
11.04.98	0	40	58	142	6.30	6.30	5.59	0	750
12.04.98	14	47	66	142	6.35	6.35	5.13	0	750
13.04.98	0	42	60	142	6.40	6.40	5.94	0	750
	391				482	482	464	9	

APPENDIX N IRRIGATION APPLICATION RATE - GRASS - FARM 002-007

Month	ETo	ETcrop	ECmax	ECw	Lf	EU %	Kc
Jan	3.10	3.10	15000	2500	1.0909091	70	1
Feb	3.84	3.84					
Mar	4.92	4.92					
Apr	6.50	6.50					
May	7.69	7.69					
Jun	7.79	7.79					
Jul	7.18	7.18					
Aug	6.48	6.48					
Sep	6.08	6.08					
Oct	5.21	5.21					
Nov	3.80	3.80					
Dec	3.05	3.05					

Farm 7 Plot Water Balanee - Grass										
Date	Irrigation (mm)	Soil Water Content (%)	Avail Water (mm)	Rootzone AW at FC (mm)	ETo (mm)	ETc (mm)	Adj ETc (mm)	Exc Irr (mm)	Rtzn Depth (mm)	Annual (mm)
25.01.98	8	103	147	142	3	3	3	0	750	
26.01.98	0	101	144	142	3	3	3	0	750	
27.01.98	0	99	141	142	3	3	3	0	750	
28.01.98	8	102	145	142	3	3	3	0	750	
29.01.98	0	99	141	142	3	3	3	0	750	
30.01.98	0	97	138	142	3	3	3	0	750	
31.01.98	9	101	144	142	4	4	4	0	750	
01.02.98	4	101	144	142	4	4	4	0	750	
02.02.98	0	99	141	142	4	4	4	0	750	
03.02.98	0	96	137	142	4	4	4	0	750	
04.02.98	0	94	133	142	4	4	4	0	750	
05.02.98	0	91	130	142	4	4	4	0	750	
06.02.98	0	89	126	142	4	4	4	0	750	
07.02.98	6	90	129	142	4	4	4	0	750	
08.02.98	0	88	125	142	4	4	4	0	750	
09.02.98	0	85	121	142	4	4	4	0	750	
10.02.98	0	82	117	142	4	4	4	0	750	
11.02.98	0	80	114	142	4	4	4	0	750	
12.02.98	0	77	110	142	4	4	4	0	750	
13.02.98	9	81	115	142	4	4	4	0	750	
14.02.98	0	78	111	142	4	4	4	0	750	
15.02.98	0	75	107	142	4	4	4	0	750	
16.02.98	0	72	103	142	4	4	4	0	750	
17.02.98	0	70	99	142	4	4	4	0	750	
18.02.98	6	71	101	142	4	4	4	0	750	
19.02.98	0	68	97	142	4	4	4	0	750	
20.02.98	0	65	93	142	4	4	4	0	750	
21.02.98	0	62	89	142	4	4	4	0	750	
22.02.98	0	59	85	142	4	4	4	0	750	
23.02.98	0	57	81	142	4	4	4	0	750	
24.02.98	0	53	76	142	4	4	4	0	750	
25.02.98	9	57	81	142	4	4	4	0	750	
26.02.98	4	57	81	142	4	4	4	0	750	
27.02.98	0	54	77	142	4	4	4	0	750	
28.02.98	0	51	72	142	4	4	4	0	750	
01.03.98	0	48	68	142	4	4	4	0	750	
02.03.98	0	45	64	142	4	4	4	0	750	
03.03.98	0	42	60	142	4	4	4	0	750	
04.03.98	0	39	56	142	4	4	4	0	750	
05.03.98	3	39	55	142	5	5	4	0	750	
06.03.98	6	40	57	142	5	5	4	0	750	
07.03.98	8	43	61	142	5	5	4	0	750	
08.03.98	7	45	64	142	5	5	4	0	750	
09.03.98	6	46	66	142	5	5	4	0	750	
10.03.98	5	47	67	142	5	5	4	0	750	
11.03.98	8	50	71	142	5	5	4	0	750	
12.03.98	7	51	73	142	5	5	5	0	750	
13.03.98	14	58	82	142	5	5	5	0	750	
14.03.98	0	54	77	142	5	5	5	0	750	
15.03.98	5	54	77	142	5	5	5	0	750	
16.03.98	0	50	72	142	5	5	5	0	750	
17.03.98	0	47	67	142	5	5	5	0	750	
18.03.98	4	47	66	142	5	5	5	0	750	
19.03.98	0	43	62	142	5	5	5	0	750	
20.03.98	7	45	64	142	5	5	4	0	750	
21.03.98	0	42	60	142	5	5	5	0	750	
22.03.98	3	41	59	142	5	5	4	0	750	
23.03.98	4	41	58	142	5	5	4	0	750	
24.03.98	0	38	54	142	5	5	4	0	750	
25.03.98	9	42	59	142	5	5	4	0	750	
26.03.98	0	38	55	142	5	5	5	0	750	
27.03.98	5	39	55	142	6	6	4	0	750	
28.03.98	0	36	51	142	6	6	4	0	750	
29.03.98	19	46	66	142	6	6	4	0	750	
30.03.98	4	45	64	142	6	6	5	0	750	
31.03.98	0	42	59	142	6	6	5	0	750	
01.04.98	8	44	62	142	6	6	5	0	750	
02.04.98	4	43	61	142	6	6	5	0	750	
03.04.98	6	44	62	142	6	6	5	0	750	
04.04.98	2	42	59	142	6	6	5	0	750	
05.04.98	2	40	56	142	6	6	5	0	750	
06.04.98	8	42	59	142	6	6	5	0	750	
07.04.98	8	44	62	142	6	6	5	0	750	
08.04.98	5	43	62	142	6	6	5	0	750	

Farm 7 Plot Water Balanee - Grass										
Date	Irrigation (mm)	Soil Water Content (%)	Avail Water (mm)	Rootzone AW at FC (mm)	ETo (mm)	ETc (mm)	Adj ETc (mm)	Exc Irr (mm)	Rtzn Depth (mm)	Annual (mm)
09.04.98	6	43	62	142	6	6	5	0	750	
10.04.98	4	43	61	142	6	6	5	0	750	
11.04.98	5	43	61	142	6	6	5	0	750	
12.04.98	4	41	59	142	6	6	5	0	750	
13.04.98	8	43	61	142	6	6	5	0	750	
14.04.98	9	45	65	142	6	6	6	0	750	
15.04.98	7	46	66	142	7	7	6	0	750	
16.04.98	0	42	59	142	7	7	6	0	750	
17.04.98	0	38	54	142	7	7	5	0	750	
18.04.98	5	38	54	142	7	7	5	0	750	
19.04.98	4	37	52	142	7	7	5	0	750	
20.04.98	6	37	53	142	7	7	5	0	750	
21.04.98	7	38	55	142	7	7	5	0	750	
22.04.98	4	37	53	142	7	7	5	0	750	
23.04.98	13	43	61	142	7	7	5	0	750	
24.04.98	4	42	59	142	7	7	6	0	750	
25.04.98	4	41	58	142	7	7	6	0	750	
26.04.98	5	40	57	142	7	7	6	0	750	
27.04.98	5	40	56	142	7	7	6	0	750	
28.04.98	7	40	58	142	7	7	6	0	750	
29.04.98	6	41	58	142	7	7	6	0	750	
30.04.98	5	41	58	142	7	7	6	0	750	
01.05.98	8	43	61	142	7	7	6	0	750	
02.05.98	4	41	59	142	7	7	6	0	750	
03.05.98	9	43	61	142	7	7	6	0	750	
04.05.98	9	45	64	142	7	7	6	0	750	
05.05.98	11	48	69	142	7	7	7	0	750	
06.05.98	6	47	67	142	7	7	7	0	750	
07.05.98	6	46	66	142	7	7	7	0	750	
08.05.98	8	47	67	142	7	7	7	0	750	
09.05.98	12	50	72	142	7	7	7	0	750	
10.05.98	7	50	72	142	7	7	7	0	750	
11.05.98	9	52	73	142	8	8	8	0	750	
12.05.98	14	56	80	142	8	8	8	0	750	
13.05.98	9	57	82	142	8	8	8	0	750	
14.05.98	8	58	83	142	8	8	8	0	750	
15.05.98	10	60	85	142	8	8	8	0	750	
16.05.98	2	56	79	142	8	8	8	0	750	
17.05.98	8	56	80	142	8	8	8	0	750	
18.05.98	8	56	80	142	8	8	8	0	750	
19.05.98	4	53	76	142	8	8	8	0	750	
20.05.98	6	52	74	142	8	8	8	0	750	
21.05.98	15	58	82	142	8	8	8	0	750	
22.05.98	5	56	79	142	8	8	8	0	750	
23.05.98	8	56	80	142	8	8	8	0	750	
24.05.98	9	57	81	142	8	8	8	0	750	
25.05.98	9	58	82	142	8	8	8	0	750	
26.05.98	2	54	76	142	8	8	8	0	750	
27.05.98	19	61	88	142	8	8	8	0	750	
28.05.98	5	59	85	142	8	8	8	0	750	
29.05.98	14	64	91	142	8	8	8	0	750	
30.05.98	8	64	91	142	8	8	8	0	750	
31.05.98	7	63	90	142	8	8	8	0	750	
01.06.98	3	60	86	142	8	8	8	0	750	
02.06.98	5	58	83	142	8	8	8	0	750	
03.06.98	8	58	83	142	8	8	8	0	750	
04.06.98	7	58	82	142	8	8	8	0	750	
05.06.98	0	52	74	142	8	8	8	0	750	
06.06.98	0	47	67	142	8	8	8	0	750	
07.06.98	0	42	59	142	8	8	7	0	750	
08.06.98	13	46	66	142	8	8	6	0	750	
09.06.98	7	46	65	142	8	8	7	0	750	
10.06.98	7	46	65	142	8	8	7	0	750	
11.06.98	7	45	65	142	8	8	7	0	750	
12.06.98	7	45	64	142	8	8	7	0	750	
13.06.98	5	44	62	142	8	8	7	0	750	
14.06.98	7	44	63	142	8	8	7	0	750	
15.06.98	4	42	60	142	8	8	7	0	750	
16.06.98	5	41	59	142	8	8	7	0	750	
17.06.98	9	43	62	142	8	8	7	0	750	
18.06.98	7	43	61	142	8	8	6	0	750	
19.06.98	11	46	66	142	8	8	7	0	750	
20.06.98	0	41	59	142	8	8	7	0	750	
21.06.98	16	48	69	142	8	8	6	0	750	

Farm 7 Plot Water Balanee - Grass										
Date	Irrigation (mm)	Soil Water Content (%)	Avail Water (mm)	Rootzone AW at FC (mm)	ETo (mm)	ETc (mm)	Adj ETc (mm)	Exc Irr (mm)	Rtzn Depth (mm)	Annual (mm)
22.06.98	10	50	71	142	8	8	7	0	750	
23.06.98	10	52	74	142	8	8	8	0	750	
24.06.98	15	57	82	142	8	8	8	0	750	
25.06.98	6	56	80	142	8	8	8	0	750	
26.06.98	6	55	79	142	8	8	8	0	750	
27.06.98	14	60	85	142	8	8	8	0	750	
28.06.98	15	65	93	142	8	8	8	0	750	
29.06.98	6	64	91	142	7	7	7	0	750	
30.06.98	12	67	96	142	7	7	7	0	750	
01.07.98	14	71	102	142	7	7	7	0	750	
02.07.98	8	71	102	142	7	7	7	0	750	
03.07.98	6	71	101	142	7	7	7	0	750	
04.07.98	8	71	101	142	7	7	7	0	750	
05.07.98	8	71	101	142	7	7	7	0	750	
06.07.98	0	66	94	142	7	7	7	0	750	
07.07.98	4	63	90	142	7	7	7	0	750	
08.07.98	6	62	89	142	7	7	7	0	750	
09.07.98	8	63	90	142	7	7	7	0	750	
10.07.98	8	63	90	142	7	7	7	0	750	
11.07.98	5	62	89	142	7	7	7	0	750	
12.07.98	5	61	86	142	7	7	7	0	750	
13.07.98	7	60	86	142	7	7	7	0	750	
14.07.98	13	65	92	142	7	7	7	0	750	
15.07.98	4	63	89	142	7	7	7	0	750	
16.07.98	0	58	82	142	7	7	7	0	750	
17.07.98	2	54	77	142	7	7	7	0	750	
18.07.98	0	49	70	142	7	7	7	0	750	
19.07.98	10	51	73	142	7	7	7	0	750	
20.07.98	40	74	105	142	7	7	7	0	750	
21.07.98	1	70	99	142	7	7	7	0	750	
22.07.98	0	65	92	142	7	7	7	0	750	
23.07.98	0	60	85	142	7	7	7	0	750	
24.07.98	0	55	78	142	7	7	7	0	750	
25.07.98	11	58	83	142	7	7	7	0	750	
26.07.98	0	53	75	142	7	7	7	0	750	
27.07.98	7	53	76	142	7	7	7	0	750	
28.07.98	22	64	91	142	7	7	7	0	750	
29.07.98	25	76	109	142	7	7	7	0	750	
30.07.98	28	91	130	142	7	7	7	0	750	
31.07.98	29	105	150	142	7	7	7	2	750	
01.08.98	29	105	150	142	7	7	7	22	750	
02.08.98	16	105	150	142	7	7	7	10	750	
03.08.98	14	105	150	142	7	7	7	7	750	
04.08.98	7	105	150	142	7	7	7	0	750	
05.08.98	6	105	149	142	7	7	7	0	750	
06.08.98	0	100	142	142	7	7	7	0	750	
07.08.98	2	97	138	142	7	7	7	0	750	
08.08.98	13	102	145	142	7	7	7	0	750	
09.08.98	9	103	147	142	7	7	7	0	750	
10.08.98	5	102	146	142	7	7	7	0	750	
11.08.98	5	101	144	142	7	7	7	0	750	
12.08.98	21	105	150	142	7	7	7	9	750	
13.08.98	0	100	143	142	7	7	7	0	750	
14.08.98	18	105	150	142	7	7	7	4	750	
15.08.98	11	105	150	142	6	6	6	5	750	
16.08.98	6	104	149	142	6	6	6	0	750	
17.08.98	49	105	150	142	6	6	6	41	750	
18.08.98	0	101	143	142	6	6	6	0	750	
19.08.98	0	96	137	142	6	6	6	0	750	
20.08.98	0	91	130	142	6	6	6	0	750	
21.08.98	0	87	124	142	6	6	6	0	750	
22.08.98	0	83	118	142	6	6	6	0	750	
23.08.98	0	78	111	142	6	6	6	0	750	
24.08.98	0	74	105	142	6	6	6	0	750	
25.08.98	16	80	114	142	6	6	6	0	750	
26.08.98	0	76	108	142	6	6	6	0	750	
27.08.98	11	79	112	142	6	6	6	0	750	
28.08.98	0	75	106	142	6	6	6	0	750	
29.08.98	0	70	100	142	6	6	6	0	750	
30.08.98	0	66	93	142	6	6	6	0	750	
31.08.98	0	61	87	142	6	6	6	0	750	
01.09.98	0	57	81	142	6	6	6	0	750	
02.09.98	0	52	75	142	6	6	6	0	750	
03.09.98	0	48	69	142	6	6	6	0	750	

Farm 7 Plot Water Balanee - Grass										
Date	Irrigation (mm)	Soil Water Content (%)	Avail Water (mm)	Rootzone AW at FC (mm)	ETo (mm)	ETc (mm)	Adj ETc (mm)	Exc Irr (mm)	Rtzn Depth (mm)	Annual (mm)
17.11.98	0	28	39	142	4	4	2	0	750	
18.11.98	0	26	37	142	4	4	2	0	750	
19.11.98	0	25	35	142	4	4	2	0	750	
20.11.98	0	24	34	142	4	4	2	0	750	
21.11.98	0	22	32	142	4	4	2	0	750	
22.11.98	7	26	37	142	4	4	2	0	750	
23.11.98	0	25	36	142	4	4	2	0	750	
24.11.98	0	24	34	142	4	4	2	0	750	
25.11.98	7	28	39	142	4	4	2	0	750	
26.11.98	0	26	37	142	4	4	2	0	750	
27.11.98	5	29	41	142	4	4	2	0	750	
28.11.98	0	27	39	142	3	3	2	0	750	
29.11.98	0	26	37	142	3	3	2	0	750	
30.11.98	0	25	35	142	3	3	2	0	750	
01.12.98	1	24	34	142	3	3	2	0	750	
02.12.98	10	30	42	142	3	3	2	0	750	
03.12.98	3	30	43	142	3	3	2	0	750	
04.12.98	0	29	41	142	3	3	2	0	750	
05.12.98	8	33	47	142	3	3	2	0	750	
06.12.98	0	32	45	142	3	3	2	0	750	
07.12.98	0	30	43	142	3	3	2	0	750	
08.12.98	0	29	41	142	3	3	2	0	750	
09.12.98	0	28	39	142	3	3	2	0	750	
10.12.98	0	26	38	142	3	3	2	0	750	
11.12.98	0	25	36	142	3	3	2	0	750	
12.12.98	12	32	46	142	3	3	2	0	750	
13.12.98	0	31	44	142	3	3	2	0	750	
14.12.98	0	30	42	142	3	3	2	0	750	
15.12.98	0	28	40	142	3	3	2	0	750	
16.12.98	0	27	39	142	3	3	2	0	750	
17.12.98	0	26	37	142	3	3	2	0	750	
18.12.98	0	25	35	142	3	3	2	0	750	
19.12.98	0	24	34	142	3	3	2	0	750	
20.12.98	0	23	33	142	3	3	1	0	750	
21.12.98	5	26	37	142	3	3	1	0	750	
22.12.98	6	29	41	142	3	3	2	0	750	
23.12.98	0	27	39	142	3	3	2	0	750	
24.12.98	0	26	37	142	3	3	2	0	750	
25.12.98	0	25	36	142	3	3	2	0	750	
26.12.98	0	24	34	142	3	3	2	0	750	
27.12.98	0	23	33	142	3	3	1	0	750	
28.12.98	14	32	45	142	3	3	1	0	750	
29.12.98	1	31	44	142	3	3	2	0	750	
30.12.98	0	30	42	142	3	3	2	0	750	
31.12.98	0	30	42	142	3	3	2	0	750	
01.01.99	0	30	42	142	3	3	2	0	750	
02.01.99	9	45	64	142	3	3	2	0	750	
03.01.99	9	49	70	142	3	3	3	0	750	
04.01.99	5	51	73	142	3	3	3	0	750	
05.01.99	0	49	69	142	3	3	3	0	750	
06.01.99	4	49	70	142	3	3	3	0	750	
07.01.99	0	47	67	142	3	3	3	0	750	
08.01.99	0	45	64	142	3	3	3	0	750	
09.01.99	1	44	62	142	3	3	3	0	750	
10.01.99	4	45	64	142	3	3	3	0	750	
11.01.99	2	45	64	142	3	3	3	0	750	
12.01.99	1	43	62	142	3	3	3	0	750	
13.01.99	0	42	59	142	3	3	3	0	750	
14.01.99	0	40	57	142	3	3	3	0	750	
15.01.99	0	38	54	142	3	3	2	0	750	
16.01.99	0	36	52	142	3	3	2	0	750	
17.01.99	0	35	50	142	3	3	2	0	750	
18.01.99	0	33	47	142	3	3	2	0	750	
19.01.99	0	32	45	142	3	3	2	0	750	
20.01.99	0	30	43	142	3	3	2	0	750	
21.01.99	0	29	41	142	3	3	2	0	750	
22.01.99	0	28	39	142	3	3	2	0	750	
23.01.99	0	26	37	142	3	3	2	0	750	
24.01.99	0	25	36	142	3	3	2	0	750	
25.01.99	0	24	34	142	3	3	2	0	750	
26.01.99	7	27	39	142	3	3	2	0	750	1678
27.01.99	2	27	39	142	3	3	2	0	750	1670
28.01.99	3	28	40	142	3	3	2	0	750	1677
29 01.99	12	35	50	142	3	3	2	0	750	1674

Farm 7 Plot Water Balanee - Grass										
Date	Irrigation (mm)	Soil Water Content (%)	Avail Water (mm)	Rootzone AW at FC (mm)	ETo (mm)	ETc (mm)	Adj ETc (mm)	Exc Irr (mm)	Rtzn Depth (mm)	Annual (mm)
30.01.99	11	41	59	142	3	3	2	0	750	1686
31.01.99	7	44	62	142	4	4	3	0	750	1697
01.02.99	14	52	73	142	4	4	3	0	750	1694
02.02.99	14	59	84	142	4	4	4	0	750	1705
03.02.99	0	57	81	142	4	4	4	0	750	1719
04.02.99	0	54	77	142	4	4	4	0	750	1719
05.02.99	12	60	85	142	4	4	4	0	750	1719
06.02.99	3	59	85	142	4	4	4	0	750	1731
07.02.99	3	59	84	142	4	4	4	0	750	1734
08.02.99	0	57	81	142	4	4	4	0	750	1731
09.02.99	0	54	77	142	4	4	4	0	750	1731
10.02.99	0	51	73	142	4	4	4	0	750	1731
11.02.99	0	49	69	142	4	4	4	0	750	1731
12.02.99	5	49	70	142	4	4	4	0	750	1731
13.02.99	3	48	69	142	4	4	4	0	750	1736
14.02.99	7	51	73	142	4	4	4	0	750	1729
15.02.99	0	48	69	142	4	4	4	0	750	1737
16.02.99	0	46	65	142	4	4	4	0	750	1737
17.02.99	21	58	82	142	4	4	4	0	750	1737
18.02.99	24	71	102	142	4	4	4	0	750	1757
19.02.99	9	75	107	142	4	4	4	0	750	1775
20.02.99	14	82	117	142	4	4	4	0	750	1785
21.02.99	2	80	115	142	4	4	4	0	750	1799
22.02.99	0	78	110	142	4	4	4	0	750	1800
23.02.99	6	79	112	142	4	4	4	0	750	1800
24.02.99	8	81	115	142	4	4	4	0	750	1806
25.02.99	0	78	111	142	4	4	4	0	750	1814
26.02.99	0	75	107	142	4	4	4	0	750	1804
27.02.99	0	72	103	142	4	4	4	0	750	1800
28.02.99	12	78	110	142	4	4	4	0	750	1800
01.03.99	21	89	126	142	4	4	4	0	750	1812
02.03.99	3	88	125	142	4	4	4	0	750	1833
03.03.99	0	84	120	142	4	4	4	0	750	1835
04.03.99	0	81	116	142	4	4	4	0	750	1835
05.03.99	0	78	111	142	5	5	5	0	750	1835
06.03.99	0	75	107	142	5	5	5	0	750	1833
07.03.99	0	72	102	142	5	5	5	0	750	1827
08.03.99	0	68	98	142	5	5	5	0	750	1819
09.03.99	0	65	93	142	5	5	5	0	750	1813
10.03.99	0	62	88	142	5	5	5	0	750	1807
11.03.99	0	58	83	142	5	5	5	0	750	1802
12.03.99	0	55	78	142	5	5	5	0	750	1793
13.03.99	0	52	74	142	5	5	5	0	750	1787
14.03.99	0	48	69	142	5	5	5	0	750	1772
15.03.99	0	45	64	142	5	5	5	0	750	1772
16.03.99	6	46	66	142	5	5	4	0	750	1768
17.03.99	0	43	61	142	5	5	5	0	750	1774
18.03.99	0	40	57	142	5	5	4	0	750	1774
19.03.99	0	37	53	142	5	5	4	0	750	1770
20.03.99	6	39	55	142	5	5	4	0	750	1770
21.03.99	25	53	76	142	5	5	4	0	750	1769
22.03.99	0	50	71	142	5	5	5	0	750	1793
23.03.99	0	46	66	142	5	5	5	0	750	1790
24.03.99	0	43	61	142	5	5	5	0	750	1786
25.03.99	0	39	56	142	5	5	5	0	750	1786
26.03.99	0	36	52	142	5	5	4	0	750	1777
27.03.99	0	34	48	142	6	6	4	0	750	1777
28.03.99	10	38	54	142	6	6	4	0	750	1772
29.03.99	0	35	50	142	6	6	4	0	750	1782
30.03.99	11	40	57	142	6	6	4	0	750	1763
31.03.99	0	37	52	142	6	6	5	0	750	1770
01.04.99	0	34	48	142	6	6	4	0	750	1770
02.04.99	15	41	59	142	6	6	4	0	750	1762
03.04.99	14	48	68	142	6	6	5	0	750	1773
04.04.99	13	53	76	142	6	6	6	0	750	1781
05.04.99	0	49	70	142	6	6	6	0	750	1792
06.04.99	0	45	65	142	6	6	6	0	750	1791
07.04.99	0	41	59	142	6	6	5	0	750	1783
08.04.99	0	38	54	142	6	6	5	0	750	1775
09.04.99	11	43	61	142	6	6	5	0	750	1770
10.04.99	11	47	66	142	6	6	5	0	750	1776
11.04.99	15	53	76	142	6	6	6	0	750	1782
12.04.99	7	53	76	142	6	6	6	0	750	1792
13.04 99	0	49	70	142	6	6	6	0	750	1796

Farm 7 Plot Water Balanee - Grass										
Date	Irrigation (mm)	Soil Water Content (%)	Avail Water (mm)	Rootzone AW at FC (mm)	ETo (mm)	ETc (mm)	Adj ETc (mm)	Exc Irr (mm)	Rtzn Depth (mm)	Annual (mm)
14.04.99	0	45	64	142	6	6	6	0	750	1788
15.04.99	23	56	80	142	7	7	6	0	750	1779
16.04.99	10	59	84	142	7	7	7	0	750	1795
17.04.99	0	54	77	142	7	7	7	0	750	1805
18.04.99	7	54	77	142	7	7	7	0	750	1805
19.04.99	14	59	85	142	7	7	7	0	750	1807
20.04.99	6	59	84	142	7	7	7	0	750	1817
21.04.99	0	54	77	142	7	7	7	0	750	1818
22.04.99	3	52	74	142	7	7	7	0	750	1811
23.04.99	21	62	88	142	7	7	7	0	750	1811
24.04.99	0	57	82	142	7	7	7	0	750	1819
25.04.99	8	58	83	142	7	7	7	0	750	1815
26.04.99	14	63	90	142	7	7	7	0	750	1819
27.04.99	1	59	85	142	7	7	7	0	750	1829
28.04.99	12	63	90	142	7	7	7	0	750	1825
29.04.99	5	61	88	142	7	7	7	0	750	1830
30.04.99	0	57	81	142	7	7	7	0	750	1829
01.05.99	12	60	86	142	7	7	7	0	750	1823
02.05.99	10	62	89	142	7	7	7	0	750	1827
03.05.99	0	57	82	142	7	7	7	0	750	1833
04.05.99	32	75	106	142	7	7	7	0	750	1825
05.05.99	0	70	99	142	7	7	7	0	750	1848
06.05.99	7	69	98	142	7	7	7	0	750	1837
07.05.99	13	73	104	142	7	7	7	0	750	1838
08.05.99	0	68	96	142	7	7	7	0	750	1845
09.05.99	0	62	89	142	7	7	7	0	750	1836
10.05.99	2	59	84	142	7	7	7	0	750	1825
11.05.99	7	58	83	142	8	8	8	0	750	1820
12.05.99	0	53	76	142	8	8	8	0	750	1818
13.05.99	0	48	68	142	8	8	8	0	750	1803
14.05.99	6	47	67	142	8	8	7	0	750	1794
15.05.99	1	42	60	142	8	8	7	0	750	1792
16.05.99	0	38	54	142	8	8	7	0	750	1783
17.05.99	18	46	66	142	8	8	6	0	750	1780
18.05.99	1	42	60	142	8	8	7	0	750	1790
19.05.99	0	38	54	142	8	8	7	0	750	1784
20.05.99	0	34	48	142	8	8	6	0	750	1780
21.05.99	2	31	44	142	8	8	5	0	750	1774
22.05.99	1	28	40	142	8	8	5	0	750	1760
23.05.99	6	29	42	142	8	8	4	0	750	1756
24.05.99	2	27	39	142	8	8	5	0	750	1754
25.05.99	0	24	35	142	8	8	4	0	750	1746
26.05.99	0	22	31	142	8	8	4	0	750	1737
27.05.99	1	20	28	142	8	8	3	0	750	1735
28.05.99	0	18	25	142	8	8	3	0	750	1718
29.05.99	0	16	23	142	8	8	3	0	750	1713
30.05.99	7	19	27	142	8	8	2	0	750	1699
31.05.99	0	17	24	142	8	8	3	0	750	1698
01.06.99	0	15	22	142	8	8	3	0	750	1691
02.06.99	13	22	32	142	8	8	2	0	750	1687
03.06.99	0	20	29	142	8	8	3	0	750	1695
04.06.99	1	19	26	142	8	8	3	0	750	1688
05.06.99	0	17	24	142	8	8	3	0	750	1682
06.06.99	0	15	21	142	8	8	3	0	750	1682
07.06.99	0	13	19	142	8	8	2	0	750	1682
08.06.99	0	12	17	142	8	8	2	0	750	1682
09.06.99	0	11	15	142	8	8	2	0	750	1670
10.06.99	0	10	14	142	8	8	2	0	750	1663
11.06.99	0	9	12	142	8	8	1	0	750	1656
12.06.99	0	8	11	142	8	8	1	0	750	1649
13.06.99	0	7	10	142	8	8	1	0	750	1643
14.06.99	0	6	9	142	8	8	1	0	750	1638
15.06.99	9	12	17	142	8	8	1	0	750	1630
16.06.99	11	18	25	142	8	8	2	0	750	1634
					2838	2838	2364	102		1765
										1848
										1630

APPENDIX N IRRIGATION APPLICATION RATE - GRASS - FARM 002-009

Month	ETo	ETcrop	ECmax	ECw	Lf	EU %	Kc
Jan	3.10	3.10	15000	8000	1.3636364	70	1
Feb	3.84	3.84					
Mar	4.92	4.92					
Apr	6.50	6.50					
May	7.69	7.69					
Jun	7.79	7.79					
Jul	7.18	7.18					
Aug	6.48	6.48					
Sep	6.08	6.08					
Oct	5.21	5.21					
Nov	3.80	3.80					
Dec	3.05	3.05					

Farm 9 Plot Water Balanee - Grass

Date	Irrigation (mm)	Soil Water Content (%)	Avail Water (mm)	Rootzone AW at FC (mm)	ETo (mm)	ETc (mm)	Adj ETc (mm)	Exc Irr (mm)	Rtzn Depth (mm)	Annual (mm)
19.11.97	28	105	150	142	3.71	3.71	3.71	17	750	
20.11.97	0	102	146	142	3.68	3.68	3.68	0	750	
21.11.97	17	105	150	142	3.66	3.66	3.66	10	750	
22.11.97	0	102	146	142	3.63	3.63	3.63	0	750	
23.11.97	0	100	142	142	3.61	3.61	3.61	0	750	
24.11.97	0	98	139	142	3.58	3.58	3.58	0	750	
25.11.97	12	103	147	142	3.56	3.56	3.56	0	750	
26.11.97	0	101	144	142	3.53	3.53	3.53	0	750	
27.11.97	0	98	140	142	3.51	3.51	3.51	0	750	
28.11.97	0	96	137	142	3.48	3.48	3.48	0	750	
29.11.97	0	93	133	142	3.45	3.45	3.45	0	750	
30.11.97	0	91	130	142	3.43	3.43	3.43	0	750	
01.12.97	13	98	139	142	3.40	3.40	3.40	0	750	
02.12.97	0	95	136	142	3.38	3.38	3.38	0	750	
03.12.97	17	104	149	142	3.35	3.35	3.35	0	750	
04.12.97	0	102	146	142	3.33	3.33	3.33	0	750	
05.12.97	0	100	142	142	3.30	3.30	3.30	0	750	
06.12.97	0	98	139	142	3.28	3.28	3.28	0	750	
07.12.97	14	105	150	142	3.25	3.25	3.25	0	750	
08.12.97	0	103	146	142	3.23	3.23	3.23	0	750	
09.12.97	26	105	150	142	3.20	3.20	3.20	20	750	
10.12.97	0	103	147	142	3.18	3.18	3.18	0	750	
11.12.97	0	101	143	142	3.15	3.15	3.15	0	750	
12.12.97	33	105	150	142	3.12	3.12	3.12	24	750	
13.12.97	0	103	147	142	3.10	3.10	3.10	0	750	
14.12.97	0	101	144	142	3.07	3.07	3.07	0	750	
15.12.97	25	105	150	142	3.05	3.05	3.05	16	750	
16.12.97	0	103	147	142	3.05	3.05	3.05	0	750	
17.12.97	0	101	144	142	3.05	3.05	3.05	0	750	
18.12.97	0	99	140	142	3.05	3.05	3.05	0	750	
19.12.97	24	105	150	142	3.05	3.05	3.05	11	750	
20.12.97	0	103	147	142	3.05	3.05	3.05	0	750	
21.12.97	0	101	144	142	3.05	3.05	3.05	0	750	
22.12.97	0	99	140	142	3.05	3.05	3.05	0	750	
23.12.97	0	96	137	142	3.05	3.05	3.05	0	750	
24.12.97	27	105	150	142	3.05	3.05	3.05	12	750	
25.12.97	0	103	147	142	3.05	3.05	3.05	0	750	
26.12.97	0	101	144	142	3.05	3.05	3.05	0	750	
27.12.97	0	99	140	142	3.05	3.05	3.05	0	750	
28.12.97	26	105	150	142	3.05	3.05	3.05	14	750	
29.12.97	0	103	147	142	3.05	3.05	3.05	0	750	
30.12.97	0	101	144	142	3.05	3.05	3.05	0	750	
31.12.97	0	101	144	142	3.05	3.05	3.05	0	750	
01.01.98	0	98	139	142	3.10	3.10	3.10	0	750	
02.01.98	0	96	136	142	3.10	3.10	3.10	0	750	
03.01.98	0	93	133	142	3.10	3.10	3.10	0	750	
04.01.98	11	99	141	142	3.10	3.10	3.10	0	750	
05.01.98	20	105	150	142	3.10	3.10	3.10	9	750	
06.01.98	0	103	147	142	3.10	3.10	3.10	0	750	
07.01.98	0	101	144	142	3.10	3.10	3.10	0	750	
08.01.98	0	98	140	142	3.10	3.10	3.10	0	750	
09.01.98	25	105	150	142	3.10	3.10	3.10	12	750	
10.01.98	0	103	147	142	3.10	3.10	3.10	0	750	
11.01.98	0	101	144	142	3.10	3.10	3.10	0	750	
12.01.98	0	98	140	142	3.10	3.10	3.10	0	750	
13.01.98	0	96	137	142	3.10	3.10	3.10	0	750	
14.01.98	0	94	134	142	3.10	3.10	3.10	0	750	
15.01.98	0	92	131	142	3.10	3.10	3.10	0	750	
16.01.98	18	102	146	142	3.12	3.12	3.12	0	750	
17.01.98	0	100	142	142	3.15	3.15	3.15	0	750	
18.01.98	0	98	139	142	3.18	3.18	3.18	0	750	
19.01.98	0	95	136	142	3.20	3.20	3.20	0	750	
20.01.98	0	93	133	142	3.23	3.23	3.23	0	750	
21.01.98	12	99	141	142	3.25	3.25	3.25	0	750	

Farm 9 Plot Water Balanee - Grass										
Date	Irrigation (mm)	Soil Water Content (%)	Avail Water (mm)	Rootzone AW at FC (mm)	ETo (mm)	ETc (mm)	Adj ETc (mm)	Exc Irr (mm)	Rtzn Depth (mm)	Annual (mm)
22.01.98	0	97	138	142	3.28	3.28	3.28	0	750	
23.01.98	0	95	135	142	3.30	3.30	3.30	0	750	
24.01.98	0	92	132	142	3.33	3.33	3.33	0	750	
25.01.98	0	90	128	142	3.35	3.35	3.35	0	750	
26.01.98	0	88	125	142	3.38	3.38	3.38	0	750	
27.01.98	0	85	121	142	3.40	3.40	3.40	0	750	
28.01.98	0	83	118	142	3.43	3.43	3.43	0	750	
29.01.98	0	80	115	142	3.45	3.45	3.45	0	750	
30.01.98	0	78	111	142	3.48	3.48	3.48	0	750	
31.01.98	0	76	108	142	3.51	3.51	3.51	0	750	
01.02.98	0	73	104	142	3.53	3.53	3.53	0	750	
02.02.98	25	88	126	142	3.56	3.56	3.56	0	750	
03.02.98	0	86	122	142	3.56	3.56	3.56	0	750	
04.02.98	0	83	118	142	3.58	3.58	3.58	0	750	
05.02.98	0	81	115	142	3.61	3.61	3.61	0	750	
06.02.98	0	78	111	142	3.63	3.63	3.63	0	750	
07.02.98	0	75	107	142	3.66	3.66	3.66	0	750	
08.02.98	0	73	104	142	3.68	3.68	3.68	0	750	
09.02.98	27	89	127	142	3.71	3.71	3.71	0	750	
10.02.98	0	86	123	142	3.73	3.73	3.73	0	750	
11.02.98	0	84	119	142	3.76	3.76	3.76	0	750	
12.02.98	20	95	136	142	3.78	3.78	3.78	0	750	
13.02.98	0	92	132	142	3.81	3.81	3.81	0	750	
14.02.98	0	90	128	142	3.84	3.84	3.84	0	750	
15.02.98	0	87	124	142	3.89	3.89	3.89	0	750	
16.02.98	25	102	145	142	3.91	3.91	3.91	0	750	
17.02.98	0	99	141	142	3.94	3.94	3.94	0	750	
18.02.98	0	96	137	142	3.99	3.99	3.99	0	750	
19.02.98	0	94	133	142	4.01	4.01	4.01	0	750	
20.02.98	0	91	129	142	4.06	4.06	4.06	0	750	
21.02.98	0	88	125	142	4.09	4.09	4.09	0	750	
22.02.98	17	97	138	142	4.14	4.14	4.14	0	750	
23.02.98	0	94	134	142	4.17	4.17	4.17	0	750	
24.02.98	0	91	130	142	4.19	4.19	4.19	0	750	
25.02.98	0	88	125	142	4.24	4.24	4.24	0	750	
26.02.98	11	93	132	142	4.27	4.27	4.27	0	750	
27.02.98	0	90	128	142	4.32	4.32	4.32	0	750	
28.02.98	0	87	124	142	4.34	4.34	4.34	0	750	
01.03.98	0	84	119	142	4.37	4.37	4.37	0	750	
02.03.98	0	81	115	142	4.42	4.42	4.42	0	750	
03.03.98	14	87	124	142	4.45	4.45	4.45	0	750	
04.03.98	0	84	119	142	4.50	4.50	4.50	0	750	
05.03.98	0	81	115	142	4.52	4.52	4.52	0	750	
06.03.98	0	78	110	142	4.57	4.57	4.57	0	750	
07.03.98	20	88	125	142	4.60	4.60	4.60	0	750	
08.03.98	0	85	121	142	4.62	4.62	4.62	0	750	
09.03.98	0	81	116	142	4.67	4.67	4.67	0	750	
10.03.98	0	78	112	142	4.70	4.70	4.70	0	750	
11.03.98	0	75	107	142	4.75	4.75	4.75	0	750	
12.03.98	0	71	102	142	4.78	4.78	4.78	0	750	
13.03.98	15	79	112	142	4.80	4.80	4.80	0	750	
14.03.98	0	75	107	142	4.85	4.85	4.85	0	750	
15.03.98	16	83	119	142	4.88	4.88	4.88	0	750	
16.03.98	0	80	114	142	4.93	4.93	4.93	0	750	
17.03.98	0	76	109	142	4.98	4.98	4.98	0	750	
18.03.98	0	73	104	142	5.03	5.03	5.03	0	750	
19.03.98	18	82	117	142	5.08	5.08	5.08	0	750	
20.03.98	0	78	112	142	5.13	5.13	5.13	0	750	
21.03.98	0	75	106	142	5.18	5.18	5.18	0	750	
22.03.98	0	71	101	142	5.23	5.23	5.23	0	750	
23.03.98	0	67	96	142	5.28	5.28	5.28	0	750	
24.03.98	0	63	90	142	5.33	5.33	5.33	0	750	
25.03.98	10	67	95	142	5.38	5.38	5.38	0	750	
26.03.98	0	63	90	142	5.44	5.44	5.44	0	750	

Farm 9 Plot Water Balanee - Grass

Date	Irrigation (mm)	Soil Water Content (%)	Avail Water (mm)	Rootzone AW at FC (mm)	ETo (mm)	ETc (mm)	Adj ETc (mm)	Exc Irr (mm)	Rtzn Depth (mm)	Annual (mm)
27.03.98	0	59	84	142	5.51	5.51	5.51	0	750	
28.03.98	0	55	79	142	5.56	5.56	5.56	0	750	
29.03.98	8	57	82	142	5.61	5.61	5.61	0	750	
30.03.98	0	53	76	142	5.66	5.66	5.66	0	750	
31.03.98	0	49	70	142	5.72	5.72	5.72	0	750	
01.04.98	0	45	65	142	5.77	5.77	5.66	0	750	
02.04.98	0	42	59	142	5.82	5.82	5.26	0	750	
03.04.98	0	38	54	142	5.87	5.87	4.88	0	750	
04.04.98	0	35	50	142	5.92	5.92	4.52	0	750	
05.04.98	0	32	46	142	5.97	5.97	4.17	0	750	
06.04.98	30	50	71	142	6.02	6.02	3.86	0	750	
07.04.98	0	46	65	142	6.07	6.07	6.07	0	750	
08.04.98	0	42	60	142	6.12	6.12	5.61	0	750	
09.04.98	31	60	85	142	6.17	6.17	5.18	0	750	
10.04.98	0	56	79	142	6.25	6.25	6.25	0	750	
11.04.98	0	51	73	142	6.30	6.30	6.30	0	750	
12.04.98	0	47	67	142	6.35	6.35	6.35	0	750	
13.04.98	21	57	81	142	6.40	6.40	5.97	0	750	
14.04.98	0	52	75	142	6.45	6.45	6.45	0	750	
15.04.98	0	48	68	142	6.50	6.50	6.50	0	750	
16.04.98	0	43	62	142	6.53	6.53	6.27	0	750	
17.04.98	0	40	56	142	6.58	6.58	5.72	0	750	
18.04.98	25	53	76	142	6.63	6.63	5.23	0	750	
19.04.98	0	49	70	142	6.65	6.65	6.65	0	750	
20.04.98	0	44	63	142	6.71	6.71	6.53	0	750	
21.04.98	23	56	80	142	6.73	6.73	5.94	0	750	
22.04.98	0	51	73	142	6.78	6.78	6.78	0	750	
23.04.98	35	71	101	142	6.81	6.81	6.81	0	750	
24.04.98	0	66	94	142	6.86	6.86	6.86	0	750	
25.04.98	0	61	87	142	6.91	6.91	6.91	0	750	
26.04.98	0	56	80	142	6.93	6.93	6.93	0	750	
27.04.98	19	65	92	142	6.99	6.99	6.99	0	750	
28.04.98	0	60	85	142	7.01	7.01	7.01	0	750	
29.04.98	0	55	78	142	7.06	7.06	7.06	0	750	
30.04.98	20	63	90	142	7.09	7.09	7.09	0	750	
01.05.98	0	58	83	142	7.14	7.14	7.14	0	750	
02.05.98	0	53	76	142	7.16	7.16	7.16	0	750	
03.05.98	17	60	86	142	7.21	7.21	7.21	0	750	
04.05.98	0	55	79	142	7.26	7.26	7.26	0	750	
05.05.98	0	50	72	142	7.29	7.29	7.29	0	750	
06.05.98	20	59	84	142	7.34	7.34	7.34	0	750	
07.05.98	0	53	76	142	7.37	7.37	7.37	0	750	
08.05.98	8	54	77	142	7.42	7.42	7.42	0	750	
09.05.98	41	77	110	142	7.44	7.44	7.44	0	750	
10.05.98	0	72	103	142	7.49	7.49	7.49	0	750	
11.05.98	19	80	115	142	7.54	7.54	7.54	0	750	
12.05.98	0	75	107	142	7.57	7.57	7.57	0	750	
13.05.98	20	84	120	142	7.62	7.62	7.62	0	750	
14.05.98	0	79	112	142	7.65	7.65	7.65	0	750	
15.05.98	47	105	150	142	7.70	7.70	7.70	2	750	
16.05.98	0	100	142	142	7.70	7.70	7.70	0	750	
17.05.98	0	94	134	142	7.70	7.70	7.70	0	750	
18.05.98	18	102	145	142	7.70	7.70	7.70	0	750	
19.05.98	0	96	137	142	7.70	7.70	7.70	0	750	
20.05.98	14	100	143	142	7.70	7.70	7.70	0	750	
21.05.98	0	95	135	142	7.72	7.72	7.72	0	750	
22.05.98	0	90	128	142	7.72	7.72	7.72	0	750	
23.05.98	26	103	146	142	7.72	7.72	7.72	0	750	
24.05.98	0	97	139	142	7.72	7.72	7.72	0	750	
25.05.98	0	92	131	142	7.72	7.72	7.72	0	750	
26.05.98	30	105	150	142	7.72	7.72	7.72	4	750	
27.05.98	0	100	142	142	7.72	7.72	7.72	0	750	
28.05.98	0	94	134	142	7.72	7.72	7.72	0	750	
29.05.98	28	105	150	142	7.75	7.75	7.75	5	750	

Farm 9 Plot Water Balanee - Grass

Date	Irrigation (mm)	Soil Water Content (%)	Avail Water (mm)	Rootzone AW at FC (mm)	ETo (mm)	ETc (mm)	Adj ETc (mm)	Exc Irr (mm)	Rtzn Depth (mm)	Annual (mm)
30.05.98	0	100	142	142	7.75	7.75	7.75	0	750	
31.05.98	0	94	134	142	7.75	7.75	7.75	0	750	
01.06.98	0	89	126	142	7.75	7.75	7.75	0	750	
02.06.98	38	105	150	142	7.75	7.75	7.75	7	750	
03.06.98	0	100	142	142	7.75	7.75	7.75	0	750	
04.06.98	21	105	150	142	7.75	7.75	7.75	5	750	
05.06.98	0	100	142	142	7.75	7.75	7.75	0	750	
06.06.98	0	94	134	142	7.77	7.77	7.77	0	750	
07.06.98	0	89	126	142	7.77	7.77	7.77	0	750	
08.06.98	34	105	150	142	7.77	7.77	7.77	3	750	
09.06.98	0	99	142	142	7.77	7.77	7.77	0	750	
10.06.98	31	105	150	142	7.77	7.77	7.77	16	750	
11.06.98	0	99	142	142	7.77	7.77	7.77	0	750	
12.06.98	0	94	134	142	7.77	7.77	7.77	0	750	
13.06.98	52	105	150	142	7.77	7.77	7.77	29	750	
14.06.98	0	99	142	142	7.80	7.80	7.80	0	750	
15.06.98	25	105	150	142	7.80	7.80	7.80	10	750	
16.06.98	0	99	142	142	7.77	7.77	7.77	0	750	
17.06.98	30	105	150	142	7.75	7.75	7.75	15	750	
18.06.98	0	100	142	142	7.72	7.72	7.72	0	750	
19.06.98	0	94	134	142	7.70	7.70	7.70	0	750	
20.06.98	28	105	150	142	7.70	7.70	7.70	4	750	
21.06.98	0	100	142	142	7.67	7.67	7.67	0	750	
22.06.98	14	104	148	142	7.65	7.65	7.65	0	750	
23.06.98	0	99	140	142	7.62	7.62	7.62	0	750	
24.06.98	24	105	150	142	7.59	7.59	7.59	7	750	
25.06.98	0	100	142	142	7.59	7.59	7.59	0	750	
26.06.98	33	105	150	142	7.57	7.57	7.57	18	750	
27.06.98	0	100	142	142	7.54	7.54	7.54	0	750	
28.06.98	0	94	135	142	7.52	7.52	7.52	0	750	
29.06.98	30	105	150	142	7.49	7.49	7.49	7	750	
30.06.98	0	100	142	142	7.49	7.49	7.49	0	750	
01.07.98	0	94	135	142	7.47	7.47	7.47	0	750	
02.07.98	20	103	147	142	7.44	7.44	7.44	0	750	
03.07.98	0	98	140	142	7.42	7.42	7.42	0	750	
04.07.98	0	93	132	142	7.39	7.39	7.39	0	750	
05.07.98	29	105	150	142	7.39	7.39	7.39	5	750	
06.07.98	0	100	142	142	7.37	7.37	7.37	0	750	
07.07.98	0	95	135	142	7.34	7.34	7.34	0	750	
08.07.98	22	105	150	142	7.32	7.32	7.32	0	750	
09.07.98	0	100	142	142	7.29	7.29	7.29	0	750	
10.07.98	0	95	135	142	7.29	7.29	7.29	0	750	
11.07.98	27	105	150	142	7.26	7.26	7.26	6	750	
12.07.98	15	105	150	142	7.24	7.24	7.24	8	750	
13.07.98	0	100	142	142	7.21	7.21	7.21	0	750	
14.07.98	26	105	150	142	7.19	7.19	7.19	12	750	
15.07.98	0	100	142	142	7.19	7.19	7.19	0	750	
16.07.98	0	95	135	142	7.16	7.16	7.16	0	750	
17.07.98	55	105	150	142	7.14	7.14	7.14	33	750	
18.07.98	2	101	144	142	7.11	7.11	7.11	0	750	
19.07.98	0	96	137	142	7.09	7.09	7.09	0	750	
20.07.98	30	105	150	142	7.06	7.06	7.06	10	750	
21.07.98	0	100	142	142	7.04	7.04	7.04	0	750	
22.07.98	40	105	150	142	7.01	7.01	7.01	26	750	
23.07.98	0	100	143	142	7.01	7.01	7.01	0	750	
24.07.98	0	95	136	142	6.99	6.99	6.99	0	750	
25.07.98	0	90	129	142	6.96	6.96	6.96	0	750	
26.07.98	26	104	148	142	6.93	6.93	6.93	0	750	
27.07.98	0	99	141	142	6.91	6.91	6.91	0	750	
28.07.98	48	105	150	142	6.88	6.88	6.88	33	750	
29.07.98	1	101	143	142	6.86	6.86	6.86	0	750	
30.07.98	0	96	136	142	6.83	6.83	6.83	0	750	
31.07.98	21	105	150	142	6.81	6.81	6.81	1	750	
01.08.98	0	100	143	142	6.81	6.81	6.81	0	750	

Farm 9 Plot Water Balanee - Grass										
Date	Irrigation (mm)	Soil Water Content (%)	Avail Water (mm)	Rootzone AW at FC (mm)	ETo (mm)	ETc (mm)	Adj ETc (mm)	Exc Irr (mm)	Rtzn Depth (mm)	Annual (mm)
02.08.98	0	96	136	142	6.78	6.78	6.78	0	750	
03.08.98	0	91	129	142	6.76	6.76	6.76	0	750	
04.08.98	19	99	142	142	6.73	6.73	6.73	0	750	
05.08.98	0	95	135	142	6.71	6.71	6.71	0	750	
06.08.98	19	103	147	142	6.68	6.68	6.68	0	750	
07.08.98	3	101	144	142	6.65	6.65	6.65	0	750	
08.08.98	8	102	145	142	6.63	6.63	6.63	0	750	
09.08.98	32	105	150	142	6.60	6.60	6.60	21	750	
10.08.98	0	100	143	142	6.60	6.60	6.60	0	750	
11.08.98	0	96	136	142	6.58	6.58	6.58	0	750	
12.08.98	0	91	130	142	6.55	6.55	6.55	0	750	
13.08.98	32	105	150	142	6.53	6.53	6.53	6	750	
14.08.98	0	100	143	142	6.50	6.50	6.50	0	750	
15.08.98	25	105	150	142	6.48	6.48	6.48	12	750	
16.08.98	12	105	150	142	6.48	6.48	6.48	5	750	
17.08.98	32	105	150	142	6.45	6.45	6.45	26	750	
18.08.98	0	101	143	142	6.45	6.45	6.45	0	750	
19.08.98	0	96	137	142	6.43	6.43	6.43	0	750	
20.08.98	23	105	150	142	6.43	6.43	6.43	4	750	
21.08.98	0	101	143	142	6.40	6.40	6.40	0	750	
22.08.98	0	96	137	142	6.40	6.40	6.40	0	750	
23.08.98	0	92	131	142	6.38	6.38	6.38	0	750	
24.08.98	27	105	150	142	6.38	6.38	6.38	2	750	
25.08.98	0	101	143	142	6.35	6.35	6.35	0	750	
26.08.98	0	96	137	142	6.35	6.35	6.35	0	750	
27.08.98	0	92	131	142	6.32	6.32	6.32	0	750	
28.08.98	17	99	141	142	6.32	6.32	6.32	0	750	
29.08.98	0	94	135	142	6.30	6.30	6.30	0	750	
30.08.98	0	90	128	142	6.27	6.27	6.27	0	750	
31.08.98	0	86	122	142	6.27	6.27	6.27	0	750	
01.09.98	15	92	131	142	6.25	6.25	6.25	0	750	
02.09.98	0	87	124	142	6.25	6.25	6.25	0	750	
03.09.98	0	83	118	142	6.22	6.22	6.22	0	750	
04.09.98	20	92	132	142	6.22	6.22	6.22	0	750	
05.09.98	0	88	126	142	6.20	6.20	6.20	0	750	
06.09.98	0	84	119	142	6.20	6.20	6.20	0	750	
07.09.98	0	80	113	142	6.17	6.17	6.17	0	750	
08.09.98	0	75	107	142	6.17	6.17	6.17	0	750	
09.09.98	0	71	101	142	6.15	6.15	6.15	0	750	
10.09.98	0	66	95	142	6.15	6.15	6.15	0	750	
11.09.98	0	62	89	142	6.12	6.12	6.12	0	750	
12.09.98	19	71	101	142	6.12	6.12	6.12	0	750	
13.09.98	0	67	95	142	6.10	6.10	6.10	0	750	
14.09.98	0	63	89	142	6.10	6.10	6.10	0	750	
15.09.98	14	68	98	142	6.07	6.07	6.07	0	750	
16.09.98	0	64	91	142	6.05	6.05	6.05	0	750	
17.09.98	0	60	85	142	6.02	6.02	6.02	0	750	
18.09.98	18	68	97	142	5.99	5.99	5.99	0	750	
19.09.98	0	64	91	142	5.97	5.97	5.97	0	750	
20.09.98	0	60	85	142	5.94	5.94	5.94	0	750	
21.09.98	0	55	79	142	5.92	5.92	5.92	0	750	
22.09.98	12	60	85	142	5.87	5.87	5.87	0	750	
23.09.98	0	56	79	142	5.84	5.84	5.84	0	750	
24.09.98	22	67	95	142	5.82	5.82	5.82	0	750	
25.09.98	0	63	89	142	5.79	5.79	5.79	0	750	
26.09.98	14	68	98	142	5.77	5.77	5.77	0	750	
27.09.98	15	75	107	142	5.74	5.74	5.74	0	750	
28.09.98	0	71	101	142	5.72	5.72	5.72	0	750	
29.09.98	23	83	118	142	5.66	5.66	5.66	0	750	
30.09.98	0	79	113	142	5.64	5.64	5.64	0	750	
01.10.98	20	89	127	142	5.61	5.61	5.61	0	750	
02.10.98	0	85	121	142	5.59	5.59	5.59	0	750	
03.10.98	0	81	116	142	5.56	5.56	5.56	0	750	
04.10.98	15	88	126	142	5.54	5.54	5.54	0	750	

Farm 9 Plot Water Balanee - Grass

Date	Irrigation (mm)	Soil Water Content (%)	Avail Water (mm)	Rootzone AW at FC (mm)	ETo (mm)	ETc (mm)	Adj ETc (mm)	Exc Irr (mm)	Rtzn Depth (mm)	Annual (mm)
05.10.98	0	84	120	142	5.51	5.51	5.51	0	750	
06.10.98	0	81	115	142	5.46	5.46	5.46	0	750	
07.10.98	0	77	109	142	5.44	5.44	5.44	0	750	
08.10.98	17	84	120	142	5.41	5.41	5.41	0	750	
09.10.98	0	81	115	142	5.38	5.38	5.38	0	750	
10.10.98	0	77	110	142	5.36	5.36	5.36	0	750	
11.10.98	17	85	121	142	5.33	5.33	5.33	0	750	
12.10.98	0	81	116	142	5.31	5.31	5.31	0	750	
13.10.98	0	77	110	142	5.26	5.26	5.26	0	750	
14.10.98	0	74	105	142	5.23	5.23	5.23	0	750	
15.10.98	29	90	129	142	5.21	5.21	5.21	0	750	
16.10.98	0	87	123	142	5.16	5.16	5.16	0	750	
17.10.98	20	97	139	142	5.13	5.13	5.13	0	750	
18.10.98	0	94	134	142	5.08	5.08	5.08	0	750	
19.10.98	22	105	150	142	5.03	5.03	5.03	1	750	
20.10.98	1	102	145	142	4.98	4.98	4.98	0	750	
21.10.98	0	99	140	142	4.93	4.93	4.93	0	750	
22.10.98	22	105	150	142	4.90	4.90	4.90	8	750	
23.10.98	0	102	145	142	4.85	4.85	4.85	0	750	
24.10.98	0	98	140	142	4.80	4.80	4.80	0	750	
25.10.98	0	95	135	142	4.75	4.75	4.75	0	750	
26.10.98	23	105	150	142	4.70	4.70	4.70	3	750	
27.10.98	0	102	145	142	4.67	4.67	4.67	0	750	
28.10.98	0	99	140	142	4.62	4.62	4.62	0	750	
29.10.98	0	95	136	142	4.57	4.57	4.57	0	750	
30.10.98	17	104	148	142	4.52	4.52	4.52	0	750	
31.10.98	0	101	143	142	4.47	4.47	4.47	0	750	
01.11.98	0	97	139	142	4.45	4.45	4.45	0	750	
02.11.98	21	105	150	142	4.39	4.39	4.39	5	750	
03.11.98	0	102	146	142	4.34	4.34	4.34	0	750	
04.11.98	0	99	141	142	4.29	4.29	4.29	0	750	
05.11.98	15	105	150	142	4.27	4.27	4.27	2	750	
06.11.98	0	102	146	142	4.22	4.22	4.22	0	750	
07.11.98	0	99	141	142	4.17	4.17	4.17	0	750	
08.11.98	0	96	137	142	4.11	4.11	4.11	0	750	
09.11.98	11	101	144	142	4.06	4.06	4.06	0	750	
10.11.98	11	105	150	142	4.04	4.04	4.04	2	750	
11.11.98	18	105	150	142	3.99	3.99	3.99	14	750	
12.11.98	1	103	147	142	3.94	3.94	3.94	0	750	
13.11.98	0	100	143	142	3.89	3.89	3.89	0	750	
14.11.98	19	105	150	142	3.84	3.84	3.84	8	750	
15.11.98	0	102	146	142	3.81	3.81	3.81	0	750	
16.11.98	0	100	142	142	3.78	3.78	3.78	0	750	
17.11.98	0	97	138	142	3.76	3.76	3.76	0	750	
18.11.98	19	105	150	142	3.73	3.73	3.73	4	750	
19.11.98	0	102	146	142	3.71	3.71	3.71	0	750	2526
20.11.98	0	100	142	142	3.68	3.68	3.68	0	750	2498
21.11.98	25	105	150	142	3.66	3.66	3.66	14	750	2498
22.11.98	1	103	147	142	3 63	3.63	3.63	0	750	2506
23.11.98	0	100	143	142	3.61	3.61	3.61	0	750	2506
24.11.98	0	98	139	142	3.58	3.58	3.58	0	750	2506
25.11.98	14	105	150	142	3.56	3.56	3.56	1	750	2506
26.11.98	0	102	146	142	3.53	3.53	3.53	0	750	2509
27.11.98	0	100	142	142	3.51	3.51	3.51	0	750	2509
28.11.98	0	98	139	142	3.48	3.48	3.48	0	750	2509
29.11.98	2	97	138	142	3.45	3.45	3.45	0	750	2509
30.11.98	25	105	150	142	3.43	3.43	3.43	10	750	2511
01.12.98	0	103	146	142	3.40	3.40	3.40	0	750	2536
02.12.98	0	100	143	142	3.38	3.38	3.38	0	750	2523
03.12.98	14	105	150	142	3.35	3.35	3.35	4	750	2523
04.12.98	0	103	146	142	3.33	3.33	3.33	0	750	2521
05.12.98	0	100	143	142	3.30	3.30	3.30	0	750	2521
06.12.98	0	98	140	142	3.28	3.28	3.28	0	750	2521
07.12.98	14	105	150	142	3.25	3.25	3.25	1	750	2521

Farm 9 Plot Water Balanee - Grass

Date	Irrigation (mm)	Soil Water Content (%)	Avail Water (mm)	Rootzone AW at FC (mm)	ETo (mm)	ETc (mm)	Adj ETc (mm)	Exc Irr (mm)	Rtzn Depth (mm)	Annual (mm)
08.12.98	0	103	146	142	3.23	3.23	3.23	0	750	2521
09.12.98	0	101	143	142	3.20	3.20	3.20	0	750	2521
10.12.98	18	105	150	142	3.18	3.18	3.18	8	750	2495
11.12.98	0	103	147	142	3.15	3.15	3.15	0	750	2513
12.12.98	0	101	143	142	3.12	3.12	3.12	0	750	2513
13.12.98	20	105	150	142	3.10	3.10	3.10	11	750	2479
14.12.98	0	103	147	142	3.07	3.07	3.07	0	750	2499
15.12.98	0	101	144	142	3.05	3.05	3.05	0	750	2500
16.12.98	0	99	141	142	3.05	3.05	3.05	0	750	2474
17.12.98	0	97	138	142	3.05	3.05	3.05	0	750	2474
18.12.98	0	94	135	142	3.05	3.05	3.05	0	750	2474
19.12.98	0	92	132	142	3.05	3.05	3.05	0	750	2474
20.12.98	0	90	129	142	3.05	3.05	3.05	0	750	2451
21.12.98	0	88	125	142	3.05	3.05	3.05	0	750	2451
22.12.98	0	86	122	142	3.05	3.05	3.05	0	750	2451
23.12.98	1	84	120	142	3.05	3.05	3.05	0	750	2451
24.12.98	27	101	144	142	3.05	3.05	3.05	0	750	2451
25.12.98	2	100	142	142	3.05	3.05	3.05	0	750	2451
26.12.98	0	98	139	142	3.05	3.05	3.05	0	750	2453
27.12.98	0	96	136	142	3.05	3.05	3.05	0	750	2453
28.12.98	23	105	150	142	3.05	3.05	3.05	7	750	2453
29.12.98	0	103	147	142	3.05	3.05	3.05	0	750	2449
30.12.98	0	101	144	142	3.05	3.05	3.05	0	750	2449
31.12.98	0	101	144	142	3.05	3.05	3.05	0	750	2449
01.01.99	1	99	140	142	3.10	3.10	3.10	0	750	2449
02.01.99	0	96	137	142	3.10	3.10	3.10	0	750	2450
03.01.99	0	94	134	142	3.10	3.10	3.10	0	750	2450
04.01.99	23	105	150	142	3.10	3.10	3.10	4	750	2450
05.01.99	0	103	147	142	3.10	3.10	3.10	0	750	2462
06.01.99	9	105	150	142	3.10	3.10	3.10	4	750	2442
07.01.99	0	103	147	142	3.10	3.10	3.10	0	750	2451
08.01.99	15	105	150	142	3.10	3.10	3.10	9	750	2451
09.01.99	0	103	147	142	3.10	3.10	3.10	0	750	2467
10.01.99	0	101	144	142	3.10	3.10	3.10	0	750	2442
11.01.99	0	98	140	142	3.10	3.10	3.10	0	750	2442
12.01.99	38	105	150	142	3.10	3.10	3.10	25	750	2442
13.01.99	0	103	147	142	3.10	3.10	3.10	0	750	2480
14.01.99	19	105	150	142	3.10	3.10	3.10	12	750	2480
15.01.99	0	103	147	142	3.10	3.10	3.10	0	750	2499
16.01.99	0	101	144	142	3.12	3.12	3.12	0	750	2499
17.01.99	0	99	140	142	3.15	3.15	3.15	0	750	2482
18.01.99	13	105	150	142	3.18	3.18	3.18	1	750	2482
19.01.99	0	103	146	142	3.20	3.20	3.20	0	750	2495
20.01.99	0	101	143	142	3.23	3.23	3.23	0	750	2495
21.01.99	0	98	140	142	3.25	3.25	3.25	0	750	2495
22.01.99	0	96	137	142	3.28	3.28	3.28	0	750	2483
23.01.99	1	94	134	142	3.30	3.30	3.30	0	750	2483
24.01.99	19	105	150	142	3.33	3.33	3.33	0	750	2483
25.01.99	0	103	146	142	3.35	3.35	3.35	0	750	2503
26.01.99	36	105	150	142	3.38	3.38	3.38	29	750	2503
27.01.99	0	103	146	142	3.40	3.40	3.40	0	750	2539
28.01.99	0	100	143	142	3.43	3.43	3.43	0	750	2539
29.01.99	22	105	150	142	3.45	3.45	3.45	11	750	2539
30.01.99	0	102	146	142	3.48	3.48	3.48	0	750	2560
31.01.99	0	100	143	142	3.51	3.51	3.51	0	750	2560
01.02.99	14	105	150	142	3.53	3.53	3.53	3	750	2560
02.02.99	21	105	150	142	3.56	3.56	3.56	17	750	2574
03.02.99	0	102	146	142	3.56	3.56	3.56	0	750	2570
04.02.99	0	100	142	142	3.58	3.58	3.58	0	750	2570
05.02.99	17	105	150	142	3.61	3.61	3.61	6	750	2570
06.02.99	0	102	146	142	3.63	3.63	3.63	0	750	2586
07.02.99	0	100	142	142	3.66	3.66	3.66	0	750	2586
08.02.99	12	105	150	142	3.68	3.68	3.68	1	750	2586
09.02.99	10	105	150	142	3.71	3.71	3.71	6	750	2599

Farm 9 Plot Water Balanee - Grass

Date	Irrigation (mm)	Soil Water Content (%)	Avail Water (mm)	Rootzone AW at FC (mm)	ETo (mm)	ETc (mm)	Adj ETc (mm)	Exc Irr (mm)	Rtzn Depth (mm)	Annual (mm)
10.02.99	0	102	146	142	3.73	3.73	3.73	0	750	2582
11.02.99	0	100	142	142	3.76	3.76	3.76	0	750	2582
12.02.99	14	105	150	142	3.78	3.78	3.78	3	750	2582
13.02.99	0	102	146	142	3.81	3.81	3.81	0	750	2577
14.02.99	0	100	142	142	3.84	3.84	3.84	0	750	2577
15.02.99	0	97	138	142	3.89	3.89	3.89	0	750	2577
16.02.99	11	102	145	142	3.91	3.91	3.91	0	750	2577
17.02.99	0	99	141	142	3.94	3.94	3.94	0	750	2563
18.02.99	0	96	137	142	3.99	3.99	3.99	0	750	2563
19.02.99	15	104	148	142	4.01	4.01	4.01	0	750	2563
20.02.99	0	101	144	142	4.06	4.06	4.06	0	750	2577
21.02.99	0	98	140	142	4.09	4.09	4.09	0	750	2577
22.02.99	0	95	136	142	4.14	4.14	4.14	0	750	2577
23.02.99	15	103	147	142	4.17	4.17	4.17	0	750	2560
24.02.99	0	100	143	142	4.19	4.19	4.19	0	750	2576
25.02.99	0	98	139	142	4.24	4.24	4.24	0	750	2576
26.02.99	15	105	150	142	4.27	4.27	4.27	0	750	2576
27.02.99	0	102	145	142	4.32	4.32	4.32	0	750	2580
28.02.99	0	99	141	142	4.34	4.34	4.34	0	750	2580
01.03.99	0	96	137	142	4.37	4.37	4.37	0	750	2580
02.03.99	0	93	132	142	4.42	4.42	4.42	0	750	2580
03.03.99	21	104	148	142	4.45	4.45	4.45	0	750	2580
04.03.99	7	105	150	142	4.50	4.50	4.50	2	750	2587
05.03.99	0	102	145	142	4.52	4.52	4.52	0	750	2595
06.03.99	0	99	140	142	4.57	4.57	4.57	0	750	2595
07.03.99	4	98	140	142	4.60	4.60	4.60	0	750	2595
08.03.99	0	95	135	142	4.62	4.62	4.62	0	750	2579
09.03.99	0	92	131	142	4.67	4.67	4.67	0	750	2579
10.03.99	16	100	142	142	4.70	4.70	4.70	0	750	2579
11.03.99	0	96	137	142	4.75	4.75	4.75	0	750	2595
12.03.99	13	102	146	142	4.78	4.78	4.78	0	750	2595
13.03.99	0	99	141	142	4.80	4.80	4.80	0	750	2608
14.03.99	0	96	136	142	4.85	4.85	4.85	0	750	2593
15.03.99	0	92	131	142	4.88	4.88	4.88	0	750	2593
16.03.99	15	99	142	142	4.93	4.93	4.93	0	750	2577
17.03.99	0	96	137	142	4.98	4.98	4.98	0	750	2592
18.03.99	0	92	132	142	5.03	5.03	5.03	0	750	2592
19.03.99	14	99	141	142	5.08	5.08	5.08	0	750	2592
20.03.99	0	96	136	142	5.13	5.13	5.13	0	750	2589
21.03.99	0	92	131	142	5.18	5.18	5.18	0	750	2589
22.03.99	16	99	142	142	5.23	5.23	5.23	0	750	2589
23.03.99	0	96	136	142	5.28	5.28	5.28	0	750	2605
24.03.99	0	92	131	142	5.33	5.33	5.33	0	750	2605
25.03.99	19	102	145	142	5.38	5.38	5.38	0	750	2605
26.03.99	0	98	139	142	5.44	5.44	5.44	0	750	2614
27.03.99	18	105	150	142	5.51	5.51	5.51	2	750	2614
28.03.99	0	101	144	142	5.56	5.56	5.56	0	750	2632
29.03.99	0	97	138	142	5.61	5.61	5.61	0	750	2632
30.03.99	0	93	133	142	5.66	5.66	5.66	0	750	2624
31.03.99	25	105	150	142	5.72	5.72	5.72	2	750	2624
01.04.99	0	101	144	142	5.77	5.77	5.77	0	750	2648
02.04.99	25	105	150	142	5.82	5.82	5.82	14	750	2648
03.04.99	0	101	144	142	5.87	5.87	5.87	0	750	2674
04.04.99	0	97	138	142	5.92	5.92	5.92	0	750	2674
05.04.99	0	93	132	142	5.97	5.97	5.97	0	750	2674
06.04.99	15	99	141	142	6.02	6.02	6.02	0	750	2674
07.04.99	0	95	135	142	6.07	6.07	6.07	0	750	2659
08.04.99	17	103	146	142	6.12	6.12	6.12	0	750	2659
09.04.99	4	101	144	142	6.17	6.17	6.17	0	750	2677
10.04.99	0	97	138	142	6.25	6.25	6.25	0	750	2650
11.04.99	0	92	132	142	6.30	6.30	6.30	0	750	2650
12.04.99	22	104	148	142	6.35	6.35	6.35	0	750	2650
13.04.99	0	99	141	142	6.40	6.40	6.40	0	750	2672
14.04.99	0	94	135	142	6.45	6.45	6.45	0	750	2651

Farm 9 Plot Water Balanee - Grass

Date	Irrigation (mm)	Soil Water Content (%)	Avail Water (mm)	Rootzone AW at FC (mm)	ETo (mm)	ETc (mm)	Adj ETc (mm)	Exc Irr (mm)	Rtzn Depth (mm)	Annual (mm)
15.04.99	27	105	150	142	6.50	6.50	6.50	5	750	2651
16.04.99	1	101	144	142	6.53	6.53	6.53	0	750	2678
17.04.99	0	96	137	142	6.58	6.58	6.58	0	750	2679
18.04.99	18	104	148	142	6.63	6.63	6.63	0	750	2679
19.04.99	0	99	141	142	6.65	6.65	6.65	0	750	2671
20.04.99	17	105	150	142	6.71	6.71	6.71	2	750	2671
21.04.99	0	100	143	142	6.73	6.73	6.73	0	750	2688
22.04.99	0	96	136	142	6.78	6.78	6.78	0	750	2665
23.04.99	23	105	150	142	6.81	6.81	6.81	3	750	2665
24.04.99	0	100	143	142	6.86	6.86	6.86	0	750	2654
25.04.99	14	105	150	142	6.91	6.91	6.91	0	750	2654
26.04.99	0	100	143	142	6.93	6.93	6.93	0	750	2668
27.04.99	0	95	136	142	6.99	6.99	6.99	0	750	2668
28.04.99	0	90	129	142	7.01	7.01	7.01	0	750	2649
29.04.99	21	100	143	142	7.06	7.06	7.06	0	750	2649
30.04.99	0	95	136	142	7.09	7.09	7.09	0	750	2670
01.05.99	0	90	129	142	7.14	7.14	7.14	0	750	2651
02.05.99	24	102	146	142	7.16	7.16	7.16	0	750	2651
03.05.99	0	97	138	142	7.21	7.21	7.21	0	750	2675
04.05.99	0	92	131	142	7.26	7.26	7.26	0	750	2658
05.05.99	0	87	124	142	7.29	7.29	7.29	0	750	2658
06.05.99	20	96	136	142	7.34	7.34	7.34	0	750	2658
07.05.99	2	92	131	142	7.37	7.37	7.37	0	750	2658
08.05.99	18	99	141	142	7.42	7.42	7.42	0	750	2660
09.05.99	0	94	134	142	7.44	7.44	7.44	0	750	2670
10.05.99	15	99	142	142	7.49	7.49	7.49	0	750	2629
11.05.99	0	94	134	142	7.54	7.54	7.54	0	750	2644
12.05.99	0	89	126	142	7.57	7.57	7.57	0	750	2625
13.05.99	0	83	119	142	7.62	7.62	7.62	0	750	2625
14.05.99	21	93	132	142	7.65	7.65	7.65	0	750	2605
15.05.99	0	87	124	142	7.70	7.70	7.70	0	750	2625
16.05.99	0	82	117	142	7.70	7.70	7.70	0	750	2578
17.05.99	20	90	129	142	7.70	7 70	7.70	0	750	2578
18.05.99	0	85	121	142	7.70	7.70	7.70	0	750	2598
19.05.99	0	79	113	142	7.70	7.70	7.70	0	750	2579
20.05.99	19	87	124	142	7.70	7.70	7.70	0	750	2579
21.05.99	0	81	116	142	7.72	7.72	7.72	0	750	2584
22.05.99	0	76	108	142	7.72	7.72	7.72	0	750	2584
23.05.99	0	71	101	142	7.72	7.72	7.72	0	750	2584
24.05.99	51	101	144	142	7.72	7.72	7.72	0	750	2558
25.05.99	0	96	136	142	7.72	7.72	7.72	0	750	2609
26.05.99	0	90	129	142	7.72	7.72	7.72	0	750	2609
27.05.99	26	103	147	142	7.72	7.72	7.72	0	750	2578
28.05.99	0	98	139	142	7.72	7.72	7.72	0	750	2605
29.05.99	0	93	132	142	7.75	7.75	7.75	0	750	2605
30.05.99	21	102	145	142	7.75	7.75	7.75	0	750	2577
31.05.99	0	96	137	142	7.75	7.75	7.75	0	750	2598
01.06.99	0	91	130	142	7.75	7.75	7.75	0	750	2598
02.06.99	23	102	145	142	7.75	7.75	7.75	0	750	2598
03.06.99	0	96	137	142	7.75	7.75	7.75	0	750	2583
04.06.99	0	91	130	142	7.75	7.75	7.75	0	750	2583
05.06.99	15	96	137	142	7.75	7.75	7.75	0	750	2562
06.06.99	0	91	130	142	7.77	7.77	7.77	0	750	2577
07.06.99	0	86	122	142	7.77	7.77	7.77	0	750	2577
08.06.99	17	92	131	142	7.77	7.77	7.77	0	750	2577
09.06.99	0	87	124	142	7.77	7.77	7.77	0	750	2560
10.06.99	18	94	134	142	7.77	7.77	7.77	0	750	2560
11.06.99	0	89	126	142	7.77	7.77	7.77	0	750	2547
12.06.99	0	83	118	142	7.77	7.77	7.77	0	750	2547
13.06.99	21	93	132	142	7.77	7.77	7.77	0	750	2547
14.06.99	0	87	124	142	7.80	7.80	7.80	0	750	2516
15.06.99	29	102	146	142	7.80	7.80	7.80	0	750	2516
16.06.99	0	97	138	142	7.77	7.77	7.77	0	750	2520
17.06.99	0	91	130	142	7.75	7.75	7.75	0	750	2520

Farm 9 Plot Water Balanee - Grass

Date	Irrigation (mm)	Soil Water Content (%)	Avail Water (mm)	Rootzone AW at FC (mm)	ETo (mm)	ETc (mm)	Adj ETc (mm)	Exc Irr (mm)	Rtzn Depth (mm)	Annual (mm)
18.06.99	0	86	122	142	7.72	7.72	7.72	0	750	2490
19.06.99	0	81	115	142	7.70	7.70	7.70	0	750	2490
20.06.99	49	105	150	142	7.70	7.70	7.70	6	750	2490
21.06.99	0	100	142	142	7.67	7.67	7.67	0	750	2511
22.06.99	22	105	150	142	7.65	7.65	7.65	7	750	2511
23.06.99	0	100	142	142	7.62	7.62	7.62	0	750	2519
24.06.99	0	94	134	142	7.59	7.59	7.59	0	750	2519
25.06.99	18	102	145	142	7.59	7.59	7.59	0	750	2495
26.06.99	0	97	138	142	7.57	7.57	7.57	0	750	2514
27.06.99	9	105	150	142	7.54	7.54	7.54	74	750	2481
28.06.99	0	100	142	142	7.52	7.52	7.52	0	750	2490
29.06.99	0	94	135	142	7.49	7.49	7.49	0	750	2490
30.06.99	0	89	127	142	7.49	7.49	7.49	0	750	2460
01.07.99	0	84	120	142	7.47	7.47	7.47	0	750	2460
02.07.99	33	102	145	142	7.44	7.44	7.44	0	750	2460
03.07.99	0	97	138	142	7.42	7.42	7.42	0	750	2473
04.07.99	0	91	130	142	7.39	7.39	7.39	0	750	2473
05.07.99	20	100	142	142	7.39	7.39	7.39	0	750	2473
06.07.99	0	95	135	142	7.37	7.37	7.37	0	750	2463
07.07.99	22	105	150	142	7.34	7.34	7.34	0	750	2463
08.07.99	0	100	142	142	7.32	7.32	7.32	0	750	2485
09.07.99	0	95	135	142	7.29	7.29	7.29	0	750	2463
10.07.99	0	90	128	142	7.29	7.29	7.29	0	750	2463
11.07.99	20	99	141	142	7.26	7.26	7.26	0	750	2463
12.07.99	0	94	134	142	7.24	7.24	7.24	0	750	2456
13.07.99	21	103	147	142	7.21	7.21	7.21	0	750	2440
14.07.99	0	98	140	142	7.19	7.19	7.19	0	750	2462
15.07.99	0	93	133	142	7.19	7.19	7.19	0	750	2435
16.07.99	21	103	147	142	7.16	7.16	7.16	0	750	2435
17.07.99	0	98	140	142	7.14	7.14	7.14	0	750	2457
18.07.99	0	93	133	142	7.11	7.11	7.11	0	750	2402
19.07.99	20	103	146	142	7.09	7.09	7.09	0	750	2401
20.07.99	0	98	139	142	7.06	7.06	7.06	0	750	2421
21.07.99	0	93	132	142	7.04	7.04	7.04	0	750	2391
22.07.99	19	101	144	142	7.01	7.01	7.01	0	750	2391
23.07.99	0	96	137	142	7.01	7.01	7.01	0	750	2371
24.07.99	0	91	130	142	6.99	6.99	6.99	0	750	2371
25.07.99	22	102	146	142	6.96	6.96	6.96	0	750	2371
26.07.99	0	97	139	142	6.93	6.93	6.93	0	750	2393
27.07.99	0	93	132	142	6.91	6.91	6.91	0	750	2367
28.07.99	24	105	149	142	6.88	6.88	6.88	0	750	2367
29.07.99	18	105	150	142	6.86	6.86	6.86	10	750	2342
30.07.99	0	100	143	142	6.83	6.83	6.83	0	750	2359
31.07.99	25	105	150	142	6.81	6.81	6.81	11	750	2359
01.08.99	0	100	143	142	6.81	6.81	6.81	0	750	2363
02.08.99	0	96	136	142	6.78	6.78	6.78	0	750	2363
03.08.99	18	104	148	142	6.76	6.76	6.76	0	750	2363
04.08.99	0	99	141	142	6.73	6.73	6.73	0	750	2382
05.08.99	0	94	134	142	6.71	6.71	6.71	0	750	2362
06.08.99	22	105	149	142	6.68	6.68	6.68	0	750	2362
07.08.99	0	100	142	142	6.65	6.65	6.65	0	750	2365
08.08.99	0	95	136	142	6.63	6.63	6.63	0	750	2362
09.08.99	24	105	150	142	6.60	6.60	6.60	4	750	2354
10.08.99	0	100	143	142	6.60	6.60	6.60	0	750	2346
11.08.99	29	105	150	142	6.58	6.58	6.58	16	750	2346
12.08.99	0	100	143	142	6.55	6.55	6.55	0	750	2376
13.08.99	0	96	137	142	6.53	6.53	6.53	0	750	2376
14.08.99	24	105	150	142	6.50	6.50	6.50	5	750	2344
15.08.99	0	101	143	142	6.48	6.48	6.48	0	750	2368
16.08.99	0	96	137	142	6.48	6.48	6.48	0	750	2343
17.08.99	0	91	130	142	6.45	6.45	6.45	0	750	2331
18.08.99	21	101	144	142	6.45	6.45	6.45	0	750	2299
19.08.99	0	97	138	142	6.43	6.43	6.43	0	750	2320
20.08.99	0	92	132	142	6.43	6.43	6.43	0	750	2320

Farm 9 Plot Water Balanee - Grass

Date	Irrigation (mm)	Soil Water Content (%)	Avail Water (mm)	Rootzone AW at FC (mm)	ETo (mm)	ETc (mm)	Adj ETc (mm)	Exc Irr (mm)	Rtzn Depth (mm)	Annual (mm)
21.08.99	0	88	125	142	6.40	6.40	6.40	0	750	2297
22.08.99	29	104	148	142	6.40	6.40	6.40	0	750	2297
23.08.99	1	100	142	142	6.38	6.38	6.38	0	750	2326
24.08.99	0	95	135	142	6.38	6.38	6.38	0	750	2326
25.08.99	0	91	129	142	6.35	6.35	6.35	0	750	2299
26.08.99	0	86	123	142	6.35	6.35	6.35	0	750	2299
27.08.99	0	82	117	142	6.32	6.32	6.32	0	750	2299
28.08.99	38	104	148	142	6.32	6.32	6.32	0	750	2299
29.08.99	1	100	142	142	6.30	6.30	6.30	0	750	2320
30.08.99	0	95	136	142	6.27	6.27	6.27	0	750	2321
31.08.99	37	105	150	142	6.27	6.27	6.27	16	750	2321
01.09.99	1	101	144	142	6.25	6.25	6.25	0	750	2357
02.09.99	0	97	138	142	6.25	6.25	6.25	0	750	2343
03.09.99	30	105	150	142	6.22	6.22	6.22	12	750	2343
04.09.99	0	101	144	142	6.22	6.22	6.22	0	750	2373
05.09.99	0	96	137	142	6.20	6.20	6.20	0	750	2353
06.09.99	19	105	150	142	6.20	6.20	6.20	0	750	2353
07.09.99	0	101	144	142	6.17	6.17	6.17	0	750	2372
08.09.99	37	105	150	142	6.17	6.17	6.17	24	750	2372
09.09.99	1	101	144	142	6.15	6.15	6.15	0	750	2408
10.09.99	0	97	138	142	6.15	6.15	6.15	0	750	2409
11.09.99	0	93	132	142	6.12	6.12	6.12	0	750	2409
12.09.99	26	105	150	142	6.12	6.12	6.12	2	750	2409
13.09.99	0	101	144	142	6.10	6.10	6.10	0	750	2416
14.09.99	26	105	150	142	6.10	6.10	6.10	14	750	2416
15.09.99	0	101	144	142	6.07	6.07	6.07	0	750	2442
16.09.99	0	96	137	142	6.05	6.05	6.05	0	750	2428
17.09.99	15	103	147	142	6.02	6.02	6.02	0	750	2428
18.09.99	0	99	141	142	5.99	5.99	5.99	0	750	2443
19.09.99	0	95	135	142	5.97	5.97	5.97	0	750	2426
20.09.99	1	91	130	142	5.94	5.94	5.94	0	750	2426
21.09.99	14	97	139	142	5.92	5.92	5.92	0	750	2427
22.09.99	0	93	133	142	5.87	5.87	5.87	0	750	2441
23.09.99	0	89	127	142	5.84	5.84	5.84	0	750	2430
24.09.99	12	94	134	142	5.82	5.82	5.82	0	750	2430
25.09.99	0	90	128	142	5.79	5.79	5.79	0	750	2420
26.09.99	0	86	122	142	5.77	5.77	5.77	0	750	2420
27.09.99	17	94	133	142	5.74	5.74	5.74	0	750	2406
28.09.99	1	90	129	142	5.72	5.72	5.72	0	750	2408
29.09.99	0	86	123	142	5.66	5.66	5.66	0	750	2409
30.09.99	14	92	132	142	5.64	5.64	5.64	0	750	2386
01.10.99	0	89	126	142	5.61	5.61	5.61	0	750	2401
02.10.99	0	85	121	142	5.59	5.59	5.59	0	750	2381
03.10.99	0	81	115	142	5.56	5.56	5.56	0	750	2381
04.10.99	14	87	124	142	5.54	5.54	5.54	0	750	2381
05.10.99	0	83	118	142	5.51	5.51	5.51	0	750	2380
06.10.99	0	79	113	142	5.46	5.46	5.46	0	750	2380
07.10.99	11	83	119	142	5.44	5.44	5.44	0	750	2380
08.10.99	11	88	125	142	5.41	5.41	5.41	0	750	2391
09.10.99	0	84	119	142	5.38	5.38	5.38	0	750	2386
10.10.99	0	80	114	142	5.36	5.36	5.36	0	750	2386
11.10.99	18	89	126	142	5.33	5.33	5.33	0	750	2386
12.10.99	0	85	121	142	5.31	5.31	5.31	0	750	2387
13.10.99	14	92	131	142	5.26	5.26	5.26	0	750	2387
14.10.99	19	101	144	142	5.23	5.23	5.23	0	750	2402
15.10.99	1	98	140	142	5.21	5.21	5.21	0	750	2420
16.10.99	16	105	150	142	5.16	5.16	5.16	1	750	2393
17.10.99	0	101	145	142	5.13	5.13	5.13	0	750	2409
18.10.99	0	98	139	142	5.08	5.08	5.08	0	750	2389
19.10.99	21	105	150	142	5.03	5.03	5.03	5	750	2389
20.10.99	1	102	145	142	4.98	4.98	4.98	0	750	2387
21.10.99	21	105	150	142	4.93	4.93	4.93	12	750	2387
22.10.99	0	102	145	142	4.90	4.90	4.90	0	750	2408
23.10.99	0	98	140	142	4.85	4.85	4.85	0	750	2386

Farm 9 Plot Water Balanee - Grass

Date	Irrigation (mm)	Soil Water Content (%)	Avail Water (mm)	Rootzone AW at FC (mm)	ETo (mm)	ETc (mm)	Adj ETc (mm)	Exc Irr (mm)	Rtzn Depth (mm)	Annual (mm)
24.10.99	13	104	148	142	4.80	4.80	4.80	0	750	2386
25.10.99	0	101	143	142	4.75	4.75	4.75	0	750	2399
26.10.99	11	105	150	142	4.70	4.70	4.70	0	750	2399
27.10.99	1	102	146	142	4.67	4.67	4.67	0	750	2387
28.10.99	0	99	141	142	4.62	4.62	4.62	0	750	2388
29.10.99	0	96	136	142	4.57	4.57	4.57	0	750	2388
30.10.99	0	93	132	142	4.52	4.52	4.52	0	750	2388
31.10.99	0	89	128	142	4.47	4.47	4.47	0	750	2371
01.11.99	0	86	123	142	4.45	4.45	4.45	0	750	2371
02.11.99	0	83	119	142	4.39	4.39	4.39	0	750	2371
03.11.99	0	80	114	142	4.34	4.34	4.34	0	750	2351
04.11.99	21	92	131	142	4.29	4.29	4.29	0	750	2350
05.11.99	0	89	127	142	4.27	4.27	4.27	0	750	2371
06.11.99	19	99	142	142	4.22	4.22	4.22	0	750	2356
07.11.99	0	97	138	142	4.17	4.17	4.17	0	750	2375
08.11.99	0	94	134	142	4.11	4.11	4.11	0	750	2375
09.11.99	15	102	145	142	4.06	4.06	4.06	0	750	2375
10.11.99	0	99	141	142	4.04	4.04	4.04	0	750	2379
11.11.99	0	96	137	142	3.99	3.99	3.99	0	750	2368
12.11.99	17	105	150	142	3.94	3.94	3.94	0	750	2351
13.11.99	0	102	146	142	3.89	3.89	3.89	0	750	2367
14.11.99	0	100	142	142	3.84	3.84	3.84	0	750	2367
15.11.99	0	97	138	142	3.81	3.81	3.81	0	750	2348
16.11.99	25	105	150	142	3.78	3.78	3.78	10	750	2348
17.11.99	0	102	146	142	3.76	3.76	3.76	0	750	2373
18.11.99	0	100	142	142	3.73	3.73	3.73	0	750	2373
19.11.99	0	97	138	142	3.71	3.71	3.71	0	750	2354
20.11.99	14	105	149	142	3.68	3.68	3.68	0	750	2354
21.11.99	0	102	146	142	3.66	3.66	3.66	0	750	2368
22.11.99	22	105	150	142	3.63	3.63	3.63	15	750	2343
23.11.99	2	104	148	142	3.61	3.61	3.61	0	750	2364
24.11.99	0	101	144	142	3.58	3.58	3.58	0	750	2366
25.11.99	0	99	141	142	3.56	3.56	3.56	0	750	2366
26.11.99	14	105	150	142	3.53	3.53	3.53	2	750	2352
27.11.99	0	102	146	142	3.51	3.51	3.51	0	750	2366
28.11.99	0	100	143	142	3.48	3.48	3.48	0	750	2366
29.11.99	0	98	139	142	3.45	3.45	3.45	0	750	2366
30.11.99	20	105	150	142	3.43	3.43	3.43	6	750	2364
01.12.99	0	103	146	142	3.40	3.40	3 40	0	750	2359
02.12.99	0	100	143	142	3.38	3.38	3.38	0	750	2359
03.12.99	0	98	139	142	3.35	3.35	3.35	0	750	2359
04.12.99	10	102	146	142	3.33	3.33	3.33	0	750	2345
05.12.99	1	101	144	142	3.30	3.30	3.30	0	750	2355
06.12.99	0	99	141	142	3.28	3.28	3.28	0	750	2356
07.12.99	0	96	137	142	3.25	3.25	3.25	0	750	2356
08.12.99	9	101	143	142	3.23	3.23	3.23	0	750	2341
09.12.99	0	98	140	142	3.20	3.20	3.20	0	750	2351
10.12.99	0	96	137	142	3.18	3.18	3.18	0	750	2351
11.12.99	0	94	134	142	3.15	3.15	3.15	0	750	2333
12.12.99	14	102	145	142	3.12	3.12	3.12	0	750	2333
13.12.99	0	99	141	142	3.10	3.10	3.10	0	750	2347
14.12.99	0	97	138	142	3.07	3.07	3.07	0	750	2327
15.12.99	0	95	135	142	3.05	3.05	3.05	0	750	2327
16.12.99	0	93	132	142	3.05	3.05	3.05	0	750	2327
17.12.99	19	104	148	142	3.05	3.05	3.05	0	750	2327
18.12.99	1	102	146	142	3.05	3.05	3.05	0	750	2346
19.12.99	0	100	143	142	3.05	3.05	3.05	0	750	2346
20.12.99	0	98	140	142	3.05	3.05	3.05	0	750	2346
21.12.99	18	105	150	142	3.05	3.05	3.05	5	750	2346
22.12.99	0	103	147	142	3.05	3.05	3.05	0	750	2364
23.12.99	13	105	150	142	3.05	3.05	3.05	7	750	2364
24.12.99	0	103	147	142	3.05	3.05	3.05	0	750	2377
25.12.99	0	101	144	142	3.05	3.05	3.05	0	750	2350
26.12.99	0	99	140	142	3.05	3.05	3.05	0	750	2348

Farm 9 Plot Water Balanee - Grass										
Date	Irrigation (mm)	Soil Water Content (%)	Avail Water (mm)	Rootzone AW at FC (mm)	ETo (mm)	ETc (mm)	Adj ETc (mm)	Exc Irr (mm)	Rtzn Depth (mm)	Annual (mm)
27.12.99	0	96	137	142	3.05	3.05	3.05	0	750	2348
28.12.99	0	94	134	142	3.05	3.05	3.05	0	750	2348
29.12.99	9	98	140	142	3.05	3.05	3.05	0	750	2325
30.12.99	0	96	137	142	3.05	3.05	3.05	0	750	2334
	5046				4132.25	4132.25	4119.83	1021		2479
										2688
										2297

Farm 002-010

APPENDIX N

Month	ETo	ETcrop	ECmax	ECw	Lf	EU %	Kc
Jan	3.10	3.10	15000	3000	1.111111	70	1
Feb	3.84	3.84					
Mar	4.92	4.92					
Apr	6.50	6.50					
May	7.69	7.69					
Jun	7.79	7.79					
Jul	7.18	7.18					
Aug	6.48	6.48					
Sep	6.08	6.08					
Oct	5.21	5.21					
Nov	3.80	3.80					
Dec	3.05	3.05					

Farm 10 Plot Water Balanee - Grass										
Date	Irrigation (mm)	Soil Water Content (%)	Avail Water (mm)	Rootzone AW at FC (mm)	ETo (mm)	ETc (mm)	Adj ETc (mm)	Exc Irr (mm)	Rtzn Depth (mm)	Annual (mm)
15.11.97	5	100	151	150	4	4	4	0	750	
16.11.97	0	98	147	150	4	4	4	0	750	
17.11.97	0	95	143	150	4	4	4	0	750	
18.11.97	0	93	139	150	4	4	4	0	750	
19.11.97	35	105	157	150	4	4	4	13	750	
20.11.97	1	103	154	150	4	4	4	0	750	
21.11.97	1	101	151	150	4	4	4	0	750	
22.11.97	13	105	157	150	4	4	4	3	750	
23.11.97	27	105	157	150	4	4	4	23	750	
24.11.97	22	105	157	150	4	4	4	19	750	
25.11.97	0	103	154	150	4	4	4	0	750	
26.11.97	0	100	150	150	4	4	4	0	750	
27.11.97	0	98	147	150	4	4	4	0	750	
28.11.97	39	105	157	150	3	3	3	25	750	
29.11.97	47	105	157	150	3	3	3	43	750	
30.11.97	0	103	154	150	3	3	3	0	750	
01.12.97	0	100	151	150	3	3	3	0	750	
02.12.97	0	98	148	150	3	3	3	0	750	
03.12.97	0	96	144	150	3	3	3	0	750	
04.12.97	0	94	141	150	3	3	3	0	750	
05.12.97	0	92	138	150	3	3	3	0	750	
06.12.97	0	90	135	150	3	3	3	0	750	
07.12.97	0	88	131	150	3	3	3	0	750	
08.12.97	0	86	128	150	3	3	3	0	750	
09.12.97	0	83	125	150	3	3	3	0	750	
10.12.97	0	81	122	150	3	3	3	0	750	
11.12.97	0	79	119	150	3	3	3	0	750	
12.12.97	13	86	129	150	3	3	3	0	750	
13.12.97	0	84	126	150	3	3	3	0	750	
14.12.97	0	82	123	150	3	3	3	0	750	
15.12.97	0	80	120	150	3	3	3	0	750	
16.12.97	0	78	117	150	3	3	3	0	750	
17.12.97	0	76	114	150	3	3	3	0	750	
18.12.97	0	74	111	150	3	3	3	0	750	
19.12.97	3	74	111	150	3	3	3	0	750	
20.12.97	0	72	108	150	3	3	3	0	750	
21.12.97	0	70	105	150	3	3	3	0	750	
22.12.97	0	68	102	150	3	3	3	0	750	
23.12.97	0	66	99	150	3	3	3	0	750	
24.12.97	15	74	111	150	3	3	3	0	750	
25.12.97	28	91	136	150	3	3	3	0	750	
26.12.97	22	103	154	150	3	3	3	0	750	
27.12.97	0	101	151	150	3	3	3	0	750	
28.12.97	0	99	148	150	3	3	3	0	750	
29.12.97	0	97	145	150	3	3	3	0	750	
30.12.97	0	95	142	150	3	3	3	0	750	
31.12.97	0	95	142	150	3	3	3	0	750	
01.01.98	0	93	139	150	3	3	3	0	750	
02.01.98	0	91	136	150	3	3	3	0	750	
03.01.98	0	89	133	150	3	3	3	0	750	
04.01.98	0	87	130	150	3	3	3	0	750	
05.01.98	0	85	127	150	3	3	3	0	750	
06.01.98	0	83	124	150	3	3	3	0	750	
07.01.98	0	81	121	150	3	3	3	0	750	
08.01.98	0	78	118	150	3	3	3	0	750	
09.01.98	0	76	115	150	3	3	3	0	750	
10.01.98	0	74	112	150	3	3	3	0	750	
11.01.98	0	72	108	150	3	3	3	0	750	
12.01.98	0	70	105	150	3	3	3	0	750	
13.01.98	0	68	102	150	3	3	3	0	750	
14.01.98	0	66	99	150	3	3	3	0	750	
15.01.98	0	64	96	150	3	3	3	0	750	

Farm 10 Plot Water Balanee - Grass										
Date	Irrigation (mm)	Soil Water Content (%)	Avail Water (mm)	Rootzone AW at FC (mm)	ETo (mm)	ETc (mm)	Adj ETc (mm)	Exc Irr (mm)	Rtzn Depth (mm)	Annual (mm)
16.01.98	20	75	113	150	3	3	3	0	750	
17.01.98	0	73	109	150	3	3	3	0	750	
18.01.98	0	71	106	150	3	3	3	0	750	
19.01.98	20	82	123	150	3	3	3	0	750	
20.01.98	0	80	120	150	3	3	3	0	750	
21.01.98	0	78	117	150	3	3	3	0	750	
22.01.98	0	76	114	150	3	3	3	0	750	
23.01.98	0	74	110	150	3	3	3	0	750	
24.01.98	0	71	107	150	3	3	3	0	750	
25.01.98	0	69	104	150	3	3	3	0	750	
26.01.98	11	74	111	150	3	3	3	0	750	
27.01.98	1	73	109	150	3	3	3	0	750	
28.01.98	0	70	105	150	3	3	3	0	750	
29.01.98	0	68	102	150	3	3	3	0	750	
30.01.98	0	66	99	150	3	3	3	0	750	
31.01.98	21	78	116	150	4	4	4	0	750	
01.02.98	0	75	113	150	4	4	4	0	750	
02.02.98	0	73	109	150	4	4	4	0	750	
03.02.98	0	71	106	150	4	4	4	0	750	
04.02.98	0	68	102	150	4	4	4	0	750	
05.02.98	17	77	116	150	4	4	4	0	750	
06.02.98	0	75	112	150	4	4	4	0	750	
07.02.98	0	72	108	150	4	4	4	0	750	
08.02.98	26	87	130	150	4	4	4	0	750	
09.02.98	0	84	126	150	4	4	4	0	750	
10.02.98	0	82	123	150	4	4	4	0	750	
11.02.98	0	79	119	150	4	4	4	0	750	
12.02.98	16	88	131	150	4	4	4	0	750	
13.02.98	8	90	135	150	4	4	4	0	750	
14.02.98	0	88	132	150	4	4	4	0	750	
15.02.98	33	105	157	150	4	4	4	3	750	
16.02.98	0	102	154	150	4	4	4	0	750	
17.02.98	21	105	157	150	4	4	4	13	750	
18.02.98	0	102	153	150	4	4	4	0	750	
19.02.98	0	100	150	150	4	4	4	0	750	
20.02.98	0	97	146	150	4	4	4	0	750	
21.02.98	0	94	141	150	4	4	4	0	750	
22.02.98	0	91	137	150	4	4	4	0	750	
23.02.98	0	89	133	150	4	4	4	0	750	
24.02.98	0	86	129	150	4	4	4	0	750	
25.02.98	0	83	125	150	4	4	4	0	750	
26.02.98	0	80	120	150	4	4	4	0	750	
27.02.98	0	78	116	150	4	4	4	0	750	
28.02.98	0	75	112	150	4	4	4	0	750	
01.03.98	0	72	108	150	4	4	4	0	750	
02.03.98	37	93	140	150	4	4	4	0	750	
03.03.98	24	105	157	150	4	4	4	2	750	
04.03.98	0	102	153	150	4	4	4	0	750	
05.03.98	0	99	149	150	5	5	5	0	750	
06.03.98	0	96	144	150	5	5	5	0	750	
07.03.98	0	93	139	150	5	5	5	0	750	
08.03.98	0	90	135	150	5	5	5	0	750	
09.03.98	0	87	130	150	5	5	5	0	750	
10.03.98	0	83	125	150	5	5	5	0	750	
11.03.98	0	81	121	150	5	5	5	0	750	
12.03.98	42	105	157	150	5	5	5	1	750	
13.03.98	55	105	157	150	5	5	5	50	750	
14.03.98	25	105	157	150	5	5	5	20	750	
15.03.98	0	102	153	150	5	5	5	0	750	
16.03.98	0	98	148	150	5	5	5	0	750	
17.03.98	0	95	143	150	5	5	5	0	750	
18.03.98	0	92	138	150	5	5	5	0	750	

Farm 10 Plot Water Balanee - Grass										
Date	Irrigation (mm)	Soil Water Content (%)	Avail Water (mm)	Rootzone AW at FC (mm)	ETo (mm)	ETc (mm)	Adj ETc (mm)	Exc Irr (mm)	Rtzn Depth (mm)	Annual (mm)
19.03.98	0	88	133	150	5	5	5	0	750	
20.03.98	0	85	128	150	5	5	5	0	750	
21.03.98	0	82	122	150	5	5	5	0	750	
22.03.98	0	78	117	150	5	5	5	0	750	
23.03.98	0	75	112	150	5	5	5	0	750	
24.03.98	0	71	106	150	5	5	5	0	750	
25.03.98	10	74	111	150	5	5	5	0	750	
26.03.98	0	71	106	150	5	5	5	0	750	
27.03.98	17	78	117	150	6	6	6	0	750	
28.03.98	0	75	112	150	6	6	6	0	750	
29.03.98	50	104	156	150	6	6	6	0	750	
30.03.98	0	100	150	150	6	6	6	0	750	
31.03.98	0	96	145	150	6	6	6	0	750	
01.04.98	0	92	139	150	6	6	6	0	750	
02.04.98	0	89	133	150	6	6	6	0	750	
03.04.98	0	85	127	150	6	6	6	0	750	
04.04.98	0	81	121	150	6	6	6	0	750	
05.04.98	0	77	115	150	6	6	6	0	750	
06.04.98	0	73	109	150	6	6	6	0	750	
07.04.98	84	105	157	150	6	6	6	29	750	
08.04.98	0	101	151	150	6	6	6	0	750	
09.04.98	47	105	157	150	6	6	6	35	750	
10.04.98	0	101	151	150	6	6	6	0	750	
11.04.98	0	97	145	150	6	6	6	0	750	
12.04.98	0	92	139	150	6	6	6	0	750	
13.04.98	0	88	132	150	6	6	6	0	750	
14.04.98	23	99	149	150	6	6	6	0	750	
15.04.98	35	105	157	150	7	7	7	20	750	
16.04.98	0	101	151	150	7	7	7	0	750	
17.04.98	0	96	144	150	7	7	7	0	750	
18.04.98	0	92	138	150	7	7	7	0	750	
19.04.98	0	87	131	150	7	7	7	0	750	
20.04.98	0	83	124	150	7	7	7	0	750	
21.04.98	81	105	157	150	7	7	7	41	750	
22.04.98	37	105	157	150	7	7	7	31	750	
23.04.98	0	100	151	150	7	7	7	0	750	
24.04.98	0	96	144	150	7	7	7	0	750	
25.04.98	0	91	137	150	7	7	7	0	750	
26.04.98	31	105	157	150	7	7	7	4	750	
27.04.98	114	105	157	150	7	7	7	107	750	
28.04.98	66	105	157	150	7	7	7	59	750	
29.04.98	0	100	150	150	7	7	7	0	750	
30.04.98	25	105	157	150	7	7	7	11	750	
01.05.98	0	100	150	150	7	7	7	0	750	
02.05.98	0	95	143	150	7	7	7	0	750	
03.05.98	0	91	136	150	7	7	7	0	750	
04.05.98	0	86	129	150	7	7	7	0	750	
05.05.98	52	105	157	150	7	7	7	16	750	
06.05.98	66	105	157	150	7	7	7	58	750	
07.05.98	11	105	157	150	7	7	7	4	750	
08.05.98	0	100	150	150	7	7	7	0	750	
09.05.98	0	95	143	150	7	7	7	0	750	
10.05.98	0	90	135	150	7	7	7	0	750	
11.05.98	46	105	157	150	8	8	8	17	750	
12.05.98	56	105	157	150	8	8	8	48	750	
13.05.98	0	100	150	150	8	8	8	0	750	
14.05.98	0	95	142	150	8	8	8	0	750	
15.05.98	0	90	135	150	8	8	8	0	750	
16.05.98	13	93	140	150	8	8	8	0	750	
17.05.98	0	88	132	150	8	8	8	0	750	
18.05.98	22	98	147	150	8	8	8	0	750	
19.05.98	0	92	139	150	8	8	8	0	750	

Farm 10 Plot Water Balanee - Grass

Date	Irrigation (mm)	Soil Water Content (%)	Avail Water (mm)	Rootzone AW at FC (mm)	ETo (mm)	ETc (mm)	Adj ETc (mm)	Exc Irr (mm)	Rtzn Depth (mm)	Annual (mm)
20.05.98	24	103	155	150	8	8	8	0	750	
21.05.98	0	98	147	150	8	8	8	0	750	
22.05.98	25	105	157	150	8	8	8	7	750	
23.05.98	8	105	157	150	8	8	8	1	750	
24.05.98	0	100	150	150	8	8	8	0	750	
25.05.98	42	105	157	150	8	8	8	27	750	
26.05.98	0	100	150	150	8	8	8	0	750	
27.05.98	0	95	142	150	8	8	8	0	750	
28.05.98	0	90	134	150	8	8	8	0	750	
29.05.98	0	84	126	150	8	8	8	0	750	
30.05.98	0	79	119	150	8	8	8	0	750	
31.05.98	0	74	111	150	8	8	8	0	750	
01.06.98	0	69	103	150	8	8	8	0	750	
02.06.98	29	83	124	150	8	8	8	0	750	
03.06.98	0	78	117	150	8	8	8	0	750	
04.06.98	28	91	137	150	8	8	8	0	750	
05.06.98	0	86	130	150	8	8	8	0	750	
06.06.98	0	81	122	150	8	8	8	0	750	
07.06.98	0	76	114	150	8	8	8	0	750	
08.06.98	36	94	142	150	8	8	8	0	750	
09.06.98	0	89	134	150	8	8	8	0	750	
10.06.98	0	84	126	150	8	8	8	0	750	
11.06.98	72	105	157	150	8	8	8	33	750	
12.06.98	11	105	157	150	8	8	8	3	750	
13.06.98	0	100	150	150	8	8	8	0	750	
14.06.98	0	95	142	150	8	8	8	0	750	
15.06.98	0	89	134	150	8	8	8	0	750	
16.06.98	32	105	157	150	8	8	8	1	750	
17.06.98	31	105	157	150	8	8	8	23	750	
18.06.98	0	100	150	150	8	8	8	0	750	
19.06.98	0	95	142	150	8	8	8	0	750	
20.06.98	15	100	150	150	8	8	8	0	750	
21.06.98	23	105	157	150	8	8	8	7	750	
22.06.98	0	100	150	150	8	8	8	0	750	
23.06.98	22	105	157	150	8	8	8	6	750	
24.06.98	20	105	157	150	8	8	8	12	750	
25.06.98	0	100	150	150	8	8	8	0	750	
26.06.98	0	95	142	150	8	8	8	0	750	
27.06.98	14	99	149	150	8	8	8	0	750	
28.06.98	21	105	157	150	8	8	8	5	750	
29.06.98	0	100	150	150	7	7	7	0	750	
30.06.98	0	95	142	150	7	7	7	0	750	
01.07.98	37	105	157	150	7	7	7	15	750	
02.07.98	38	105	157	150	7	7	7	30	750	
03.07.98	0	100	150	150	7	7	7	0	750	
04.07.98	0	95	143	150	7	7	7	0	750	
05.07.98	24	105	157	150	7	7	7	1	750	
06.07.98	35	105	157	150	7	7	7	27	750	
07.07.98	31	105	157	150	7	7	7	24	750	
08.07.98	0	100	150	150	7	7	7	0	750	
09.07.98	0	95	143	150	7	7	7	0	750	
10.07.98	22	105	157	150	7	7	7	0	750	
11.07.98	8	105	157	150	7	7	7	72	750	
12.07.98	0	100	150	150	7	7	7	0	750	
13.07.98	0	95	143	150	7	7	7	0	750	
14.07.98	0	91	136	150	7	7	7	0	750	
15.07.98	0	86	129	150	7	7	7	0	750	
16.07.98	0	81	121	150	7	7	7	0	750	
17.07.98	49	105	157	150	7	7	7	6	750	
18.07.98	0	100	150	150	7	7	7	0	750	
19.07.98	0	95	143	150	7	7	7	0	750	
20.07.98	0	91	136	150	7	7	7	0	750	

Farm 10 Plot Water Balanee - Grass

Date	Irrigation (mm)	Soil Water Content (%)	Avail Water (mm)	Rootzone AW at FC (mm)	ETo (mm)	ETc (mm)	Adj ETc (mm)	Exc Irr (mm)	Rtzn Depth (mm)	Annual (mm)
21.07.98	0	86	129	150	7	7	7	0	750	
22.07.98	0	81	122	150	7	7	7	0	750	
23.07.98	0	77	115	150	7	7	7	0	750	
24.07.98	0	72	108	150	7	7	7	0	750	
25.07.98	0	68	101	150	7	7	7	0	750	
26.07.98	0	63	94	150	7	7	7	0	750	
27.07.98	0	58	87	150	7	7	7	0	750	
28.07.98	0	54	81	150	7	7	7	0	750	
29.07.98	0	49	74	150	7	7	7	0	750	
30.07.98	38	70	105	150	7	7	7	0	750	
31.07.98	0	66	98	150	7	7	7	0	750	
01.08.98	33	83	124	150	7	7	7	0	750	
02.08.98	59	105	157	150	7	7	7	19	750	
03.08.98	0	101	151	150	7	7	7	0	750	
04.08.98	0	96	144	150	7	7	7	0	750	
05.08.98	48	105	157	150	7	7	7	28	750	
06.08.98	0	101	151	150	7	7	7	0	750	
07.08.98	0	96	144	150	7	7	7	0	750	
08.08.98	8	97	146	150	7	7	7	0	750	
09.08.98	24	105	157	150	7	7	7	5	750	
10.08.98	0	101	151	150	7	7	7	0	750	
11.08.98	37	105	157	150	7	7	7	23	750	
12.08.98	0	101	151	150	7	7	7	0	750	
13.08.98	0	96	145	150	7	7	7	0	750	
14.08.98	0	92	138	150	7	7	7	0	750	
15.08.98	30	105	157	150	6	6	6	4	750	
16.08.98	40	105	157	150	6	6	6	34	750	
17.08.98	0	101	151	150	6	6	6	0	750	
18.08.98	0	96	145	150	6	6	6	0	750	
19.08.98	61	105	157	150	6	6	6	41	750	
20.08.98	27	105	157	150	6	6	6	21	750	
21.08.98	47	105	157	150	6	6	6	41	750	
22.08.98	0	101	151	150	6	6	6	0	750	
23.08.98	0	97	145	150	6	6	6	0	750	
24.08.98	0	92	138	150	6	6	6	0	750	
25.08.98	56	105	157	150	6	6	6	30	750	
26.08.98	28	105	157	150	6	6	6	21	750	
27.08.98	0	101	151	150	6	6	6	0	750	
28.08.98	0	97	145	150	6	6	6	0	750	
29.08.98	56	105	157	150	6	6	6	37	750	
30.08.98	0	101	151	150	6	6	6	0	750	
31.08.98	0	97	145	150	6	6	6	0	750	
01.09.98	0	92	139	150	6	6	6	0	750	
02.09.98	0	88	132	150	6	6	6	0	750	
03.09.98	28	103	154	150	6	6	6	0	750	
04.09.98	26	105	157	150	6	6	6	16	750	
05.09.98	0	101	151	150	6	6	6	0	750	
06.09.98	0	97	145	150	6	6	6	0	750	
07.09.98	0	93	139	150	6	6	6	0	750	
08.09.98	0	89	133	150	6	6	6	0	750	
09.09.98	0	84	126	150	6	6	6	0	750	
10.09.98	0	80	120	150	6	6	6	0	750	
11.09.98	0	76	114	150	6	6	6	0	750	
12.09.98	0	72	108	150	6	6	6	0	750	
13.09.98	19	81	121	150	6	6	6	0	750	
14.09.98	0	77	115	150	6	6	6	0	750	
15.09.98	0	72	109	150	6	6	6	0	750	
16.09.98	0	68	103	150	6	6	6	0	750	
17.09.98	0	64	97	150	6	6	6	0	750	
18.09.98	0	60	91	150	6	6	6	0	750	
19.09.98	8	62	93	150	6	6	6	0	750	
20.09.98	15	68	102	150	6	6	6	0	750	

Farm 10 Plot Water Balanee - Grass										
Date	Irrigation (mm)	Soil Water Content (%)	Avail Water (mm)	Rootzone AW at FC (mm)	ETo (mm)	ETc (mm)	Adj ETc (mm)	Exc Irr (mm)	Rtzn Depth (mm)	Annual (mm)
21.09.98	0	64	96	150	6	6	6	0	750	
22.09.98	17	71	107	150	6	6	6	0	750	
23.09.98	40	94	141	150	6	6	6	0	750	
24.09.98	0	90	136	150	6	6	6	0	750	
25.09.98	0	87	130	150	6	6	6	0	750	
26.09.98	26	100	150	150	6	6	6	0	750	
27.09.98	18	105	157	150	6	6	6	5	750	
28.09.98	0	101	152	150	6	6	6	0	750	
29.09.98	0	97	146	150	6	6	6	0	750	
30.09.98	25	105	157	150	6	6	6	8	750	
01.10.98	21	105	157	150	6	6	6	15	750	
02.10.98	0	101	152	150	6	6	6	0	750	
03.10.98	0	98	146	150	6	6	6	0	750	
04.10.98	0	94	141	150	6	6	6	0	750	
05.10.98	0	90	135	150	6	6	6	0	750	
06.10.98	22	101	152	150	5	5	5	0	750	
07.10.98	0	98	147	150	5	5	5	0	750	
08.10.98	0	94	141	150	5	5	5	0	750	
09.10.98	0	90	136	150	5	5	5	0	750	
10.10.98	0	87	130	150	5	5	5	0	750	
11.10.98	51	105	157	150	5	5	5	18	750	
12.10.98	12	105	157	150	5	5	5	6	750	
13.10.98	0	101	152	150	5	5	5	0	750	
14.10.98	7	103	154	150	5	5	5	0	750	
15.10.98	0	99	149	150	5	5	5	0	750	
16.10.98	46	105	157	150	5	5	5	32	750	
17.10.98	0	102	152	150	5	5	5	0	750	
18.10.98	0	98	147	150	5	5	5	0	750	
19.10.98	38	105	157	150	5	5	5	23	750	
20.10.98	13	105	157	150	5	5	5	8	750	
21.10.98	0	102	153	150	5	5	5	0	750	
22.10.98	0	98	148	150	5	5	5	0	750	
23.10.98	0	95	143	150	5	5	5	0	750	
24.10.98	42	105	157	150	5	5	5	23	750	
25.10.98	0	102	153	150	5	5	5	0	750	
26.10.98	0	99	148	150	5	5	5	0	750	
27.10.98	0	95	143	150	5	5	5	0	750	
28.10.98	0	92	139	150	5	5	5	0	750	
29.10.98	53	105	157	150	5	5	5	30	750	
30.10.98	0	102	153	150	5	5	5	0	750	
31.10.98	0	99	149	150	4	4	4	0	750	
01.11.98	0	96	144	150	4	4	4	0	750	
02.11.98	0	93	140	150	4	4	4	0	750	
03.11.98	0	90	135	150	4	4	4	0	750	
04.11.98	0	87	131	150	4	4	4	0	750	
05.11.98	0	84	127	150	4	4	4	0	750	
06.11.98	0	82	122	150	4	4	4	0	750	
07.11.98	0	79	118	150	4	4	4	0	750	
08.11.98	0	76	114	150	4	4	4	0	750	
09.11.98	0	73	110	150	4	4	4	0	750	
10.11.98	0	71	106	150	4	4	4	0	750	
11.11.98	0	68	102	150	4	4	4	0	750	
12.11.98	0	66	98	150	4	4	4	0	750	
13.11.98	71	105	157	150	4	4	4	8	750	
14.11.98	0	102	154	150	4	4	4	0	750	
15.11.98	11	105	157	150	4	4	4	3	750	3433
16.11.98	0	102	154	150	4	4	4	0	750	3428
17.11.98	0	100	150	150	4	4	4	0	750	3428
18.11.98	0	98	146	150	4	4	4	0	750	3428
19.11.98	0	95	142	150	4	4	4	0	750	3428
20.11.98	0	93	139	150	4	4	4	0	750	3393
21.11.98	0	90	135	150	4	4	4	0	750	3393

Farm 10 Plot Water Balanee - Grass

Date	Irrigation (mm)	Soil Water Content (%)	Avail Water (mm)	Rootzone AW at FC (mm)	ETo (mm)	ETc (mm)	Adj ETc (mm)	Exc Irr (mm)	Rtzn Depth (mm)	Annual (mm)
22.11.98	0	88	132	150	4	4	4	0	750	3392
23.11.98	51	105	157	150	4	4	4	22	750	3430
24.11.98	0	103	154	150	4	4	4	0	750	3404
25.11.98	21	105	157	150	4	4	4	14	750	3403
26.11.98	14	105	157	150	4	4	4	11	750	3417
27.11.98	0	103	154	150	4	4	4	0	750	3417
28.11.98	0	100	151	150	3	3	3	0	750	3417
29.11.98	32	105	157	150	3	3	3	22	750	3410
30.11.98	0	103	154	150	3	3	3	0	750	3363
01.12.98	24	105	157	150	3	3	3	17	750	3387
02.12.98	0	103	154	150	3	3	3	0	750	3387
03.12.98	10	105	157	150	3	3	3	4	750	3397
04.12.98	0	103	154	150	3	3	3	0	750	3397
05.12.98	0	101	151	150	3	3	3	0	750	3397
06.12.98	11	105	157	150	3	3	3	1	750	3408
07.12.98	0	103	154	150	3	3	3	0	750	3408
08.12.98	0	101	151	150	3	3	3	0	750	3408
09.12.98	32	105	157	150	3	3	3	22	750	3440
10.12.98	0	103	154	150	3	3	3	0	750	3440
11.12.98	15	105	157	150	3	3	3	9	750	3455
12.12.98	0	103	154	150	3	3	3	0	750	3455
13.12.98	17	105	157	150	3	3	3	10	750	3458
14.12.98	0	103	154	150	3	3	3	0	750	3458
15.12.98	12	105	157	150	3	3	3	6	750	3470
16.12.98	0	103	154	150	3	3	3	0	750	3470
17.12.98	10	105	157	150	3	3	3	4	750	3480
18.12.98	0	103	154	150	3	3	3	0	750	3480
19.12.98	8	105	157	150	3	3	3	2	750	3488
20.12.98	9	105	157	150	3	3	3	6	750	3494
21.12.98	0	103	154	150	3	3	3	0	750	3494
22.12.98	24	105	157	150	3	3	3	18	750	3518
23.12.98	0	103	154	150	3	3	3	0	750	3518
24.12.98	19	105	157	150	3	3	3	13	750	3537
25.12.98	0	103	154	150	3	3	3	0	750	3522
26.12.98	0	101	151	150	3	3	3	0	750	3494
27.12.98	28	105	157	150	3	3	3	19	750	3500
28.12.98	0	103	154	150	3	3	3	0	750	3500
29.12.98	20	105	157	150	3	3	3	14	750	3520
30.12.98	0	103	154	150	3	3	3	0	750	3520
31.12.98	0	103	154	150	3	3	3	0	750	3520
01.01.99	0	98	147	150	3	3	3	0	750	3520
02.01.99	0	96	144	150	3	3	3	0	750	3520
03.01.99	22	105	157	150	3	3	3	6	750	3543
04.01.99	0	103	154	150	3	3	3	0	750	3543
05.01.99	0	101	151	150	3	3	3	0	750	3543
06.01.99	0	99	148	150	3	3	3	0	750	3543
07.01.99	0	97	145	150	3	3	3	0	750	3543
08.01.99	0	95	142	150	3	3	3	0	750	3543
09.01.99	0	93	139	150	3	3	3	0	750	3543
10.01.99	0	91	136	150	3	3	3	0	750	3543
11.01.99	33	105	157	150	3	3	3	8	750	3576
12.01.99	0	103	154	150	3	3	3	0	750	3576
13.01.99	0	101	151	150	3	3	3	0	750	3576
14.01.99	0	99	148	150	3	3	3	0	750	3576
15.01.99	0	97	145	150	3	3	3	0	750	3576
16.01.99	47	105	157	150	3	3	3	32	750	3623
17.01.99	0	103	154	150	3	3	3	0	750	3603
18.01.99	0	101	151	150	3	3	3	0	750	3603
19.01.99	0	99	148	150	3	3	3	0	750	3603
20.01.99	0	97	145	150	3	3	3	0	750	3583
21.01.99	0	94	141	150	3	3	3	0	750	3583
22.01.99	0	92	138	150	3	3	3	0	750	3583

Farm 10 Plot Water Balanee - Grass										
Date	Irrigation (mm)	Soil Water Content (%)	Avail Water (mm)	Rootzone AW at FC (mm)	ETo (mm)	ETc (mm)	Adj ETc (mm)	Exc Irr (mm)	Rtzn Depth (mm)	Annual (mm)
23.01.99	0	90	135	150	3	3	3	0	750	3583
24.01.99	0	88	132	150	3	3	3	0	750	3583
25.01.99	0	86	128	150	3	3	3	0	750	3583
26.01.99	0	83	125	150	3	3	3	0	750	3583
27.01.99	0	81	121	150	3	3	3	0	750	3572
28.01.99	0	79	118	150	3	3	3	0	750	3571
29.01.99	9	82	123	150	3	3	3	0	750	3580
30.01.99	0	80	120	150	3	3	3	0	750	3580
31.01.99	0	78	117	150	4	4	4	0	750	3580
01.02.99	39	101	152	150	4	4	4	0	750	3598
02.02.99	0	99	149	150	4	4	4	0	750	3598
03.02.99	9	103	154	150	4	4	4	0	750	3607
04.02.99	0	100	151	150	4	4	4	0	750	3607
05.02.99	0	98	147	150	4	4	4	0	750	3607
06.02.99	0	95	143	150	4	4	4	0	750	3590
07.02.99	36	105	157	150	4	4	4	18	750	3625
08.02.99	0	103	154	150	4	4	4	0	750	3625
09.02.99	0	100	150	150	4	4	4	0	750	3600
10.02.99	20	105	157	150	4	4	4	9	750	3620
11.02.99	46	105	157	150	4	4	4	42	750	3665
12.02.99	23	105	157	150	4	4	4	20	750	3689
13.02.99	0	102	154	150	4	4	4	0	750	3673
14.02.99	0	100	150	150	4	4	4	0	750	3665
15.02.99	18	105	157	150	4	4	4	7	750	3683
16.02.99	0	102	154	150	4	4	4	0	750	3651
17.02.99	0	100	150	150	4	4	4	0	750	3651
18.02.99	23	105	157	150	4	4	4	11	750	3653
19.02.99	0	102	153	150	4	4	4	0	750	3653
20.02.99	0	100	149	150	4	4	4	0	750	3653
21.02.99	16	105	157	150	4	4	4	4	750	3669
22.02.99	0	102	153	150	4	4	4	0	750	3669
23.02.99	0	99	149	150	4	4	4	0	750	3669
24.02.99	21	105	157	150	4	4	4	8	750	3690
25.02.99	0	102	153	150	4	4	4	0	750	3690
26.02.99	0	99	149	150	4	4	4	0	750	3690
27.02.99	0	97	145	150	4	4	4	0	750	3690
28.02.99	0	94	140	150	4	4	4	0	750	3689
01.03.99	27	105	157	150	4	4	4	5	750	3716
02.03.99	0	102	153	150	4	4	4	0	750	3716
03.03.99	0	99	149	150	4	4	4	0	750	3680
04.03.99	0	96	144	150	4	4	4	0	750	3656
05.03.99	31	105	157	150	5	5	5	13	750	3687
06.03.99	0	102	153	150	5	5	5	0	750	3687
07.03.99	0	99	148	150	5	5	5	0	750	3687
08.03.99	0	96	144	150	5	5	5	0	750	3687
09.03.99	0	93	139	150	5	5	5	0	750	3687
10.03.99	71	105	157	150	5	5	5	47	750	3757
11.03.99	0	102	153	150	5	5	5	0	750	3757
12.03.99	0	99	148	150	5	5	5	0	750	3757
13.03.99	0	95	143	150	5	5	5	0	750	3715
14.03.99	32	105	157	150	5	5	5	13	750	3692
15.03.99	0	102	153	150	5	5	5	0	750	3667
16.03.99	0	98	148	150	5	5	5	0	750	3667
17.03.99	0	95	143	150	5	5	5	0	750	3667
18.03.99	0	92	138	150	5	5	5	0	750	3667
19.03.99	33	105	157	150	5	5	5	8	750	3699
20.03.99	10	105	157	150	5	5	5	5	750	3710
21.03.99	0	102	152	150	5	5	5	0	750	3710
22.03.99	0	98	147	150	5	5	5	0	750	3710
23.03.99	0	94	142	150	5	5	5	0	750	3710
24.03.99	47	105	157	150	5	5	5	26	750	3756
25.03.99	21	105	157	150	5	5	5	16	750	3778

Farm 10 Plot Water Balanee - Grass										
Date	Irrigation (mm)	Soil Water Content (%)	Avail Water (mm)	Rootzone AW at FC (mm)	ETo (mm)	ETc (mm)	Adj ETc (mm)	Exc Irr (mm)	Rtzn Depth (mm)	Annual (mm)
26.03.99	0	101	152	150	5	5	5	0	750	3767
27.03.99	0	98	147	150	6	6	6	0	750	3767
28.03.99	0	94	141	150	6	6	6	0	750	3750
29.03.99	0	90	135	150	6	6	6	0	750	3750
30.03.99	0	87	130	150	6	6	6	0	750	3701
31.03.99	0	83	124	150	6	6	6	0	750	3701
01.04.99	0	79	118	150	6	6	6	0	750	3701
02.04.99	0	75	113	150	6	6	6	0	750	3701
03.04.99	0	71	107	150	6	6	6	0	750	3701
04.04.99	0	67	101	150	6	6	6	0	750	3701
05.04.99	0	63	95	150	6	6	6	0	750	3701
06.04.99	0	59	89	150	6	6	6	0	750	3701
07.04.99	27	73	110	150	6	6	6	0	750	3728
08.04.99	0	69	104	150	6	6	6	0	750	3644
09.04.99	0	65	98	150	6	6	6	0	750	3644
10.04.99	0	61	91	150	6	6	6	0	750	3597
11.04.99	31	78	116	150	6	6	6	0	750	3628
12.04.99	0	73	110	150	6	6	6	0	750	3628
13.04.99	0	69	104	150	6	6	6	0	750	3628
14.04.99	0	65	97	150	6	6	6	0	750	3628
15.04.99	23	76	114	150	7	7	7	0	750	3628
16.04.99	30	91	137	150	7	7	7	0	750	3623
17.04.99	0	87	131	150	7	7	7	0	750	3623
18.04.99	0	83	124	150	7	7	7	0	750	3623
19.04.99	0	78	117	150	7	7	7	0	750	3623
20.04.99	0	74	110	150	7	7	7	0	750	3623
21.04.99	41	97	145	150	7	7	7	0	750	3663
22.04.99	24	105	157	150	7	7	7	5	750	3607
23.04.99	0	100	151	150	7	7	7	0	750	3569
24.04.99	33	105	157	150	7	7	7	20	750	3603
25.04.99	0	100	151	150	7	7	7	0	750	3603
26.04.99	49	105	157	150	7	7	7	35	750	3652
27.04.99	0	100	151	150	7	7	7	0	750	3620
28.04.99	0	96	144	150	7	7	7	0	750	3506
29.04.99	22	105	157	150	7	7	7	1	750	3463
30.04.99	0	100	150	150	7	7	7	0	750	3463
01.05.99	0	95	143	150	7	7	7	0	750	3438
02.05.99	25	105	157	150	7	7	7	4	750	3463
03.05.99	0	100	150	150	7	7	7	0	750	3463
04.05.99	17	105	157	150	7	7	7	3	750	3480
05.05.99	20	105	157	150	7	7	7	12	750	3500
06.05.99	0	100	150	150	7	7	7	0	750	3447
07.05.99	29	105	157	150	7	7	7	14	750	3410
08.05.99	0	100	150	150	7	7	7	0	750	3399
09.05.99	25	105	157	150	7	7	7	10	750	3424
10.05.99	0	100	150	150	7	7	7	0	750	3424
11.05.99	24	105	157	150	8	8	8	9	750	3448
12.05.99	0	100	150	150	8	8	8	0	750	3402
13.05.99	63	105	157	150	8	8	8	48	750	3409
14.05.99	0	100	150	150	8	8	8	0	750	3409
15.05.99	0	95	142	150	8	8	8	0	750	3409
16.05.99	31	105	157	150	8	8	8	8	750	3440
17.05.99	0	100	150	150	8	8	8	0	750	3427
18.05.99	24	105	157	150	8	8	8	9	750	3451
19.05.99	0	100	150	150	8	8	8	0	750	3430
20.05.99	31	105	157	150	8	8	8	16	750	3461
21.05.99	0	100	150	150	8	8	8	0	750	3437
22.05.99	0	95	142	150	8	8	8	0	750	3437
23.05.99	33	105	157	150	8	8	8	10	750	3445
24.05.99	0	100	150	150	8	8	8	0	750	3436
25.05.99	15	104	157	150	8	8	8	0	750	3451
26.05.99	0	99	149	150	8	8	8	0	750	3409

Farm 10 Plot Water Balanee - Grass										
Date	Irrigation (mm)	Soil Water Content (%)	Avail Water (mm)	Rootzone AW at FC (mm)	ETo (mm)	ETc (mm)	Adj ETc (mm)	Exc Irr (mm)	Rtzn Depth (mm)	Annual (mm)
27.05.99	0	94	141	150	8	8	8	0	750	3409
28.05.99	0	89	134	150	8	8	8	0	750	3409
29.05.99	0	84	126	150	8	8	8	0	750	3409
30.05.99	46	105	157	150	8	8	8	6	750	3455
31.05.99	0	100	150	150	8	8	8	0	750	3455
01.06.99	21	105	157	150	8	8	8	6	750	3476
02.06.99	0	100	150	150	8	8	8	0	750	3476
03.06.99	20	105	157	150	8	8	8	5	750	3467
04.06.99	0	100	150	150	8	8	8	0	750	3467
05.06.99	75	105	157	150	8	8	8	60	750	3514
06.06.99	0	100	150	150	8	8	8	0	750	3514
07.06.99	25	105	157	150	8	8	8	10	750	3540
08.06.99	0	100	150	150	8	8	8	0	750	3540
09.06.99	0	95	142	150	8	8	8	0	750	3504
10.06.99	30	105	157	150	8	8	8	7	750	3534
11.06.99	36	105	157	150	8	8	8	28	750	3570
12.06.99	0	100	150	150	8	8	8	0	750	3498
13.06.99	7	100	150	150	8	8	8	0	750	3495
14.06.99	21	105	157	150	8	8	8	5	750	3516
15.06.99	0	100	150	150	8	8	8	0	750	3516
16.06.99	25	105	157	150	8	8	8	9	750	3540
17.06.99	55	105	157	150	8	8	8	47	750	3563
18.06.99	0	100	150	150	8	8	8	0	750	3532
19.06.99	44	105	157	150	8	8	8	28	750	3575
20.06.99	0	100	150	150	8	8	8	0	750	3575
21.06.99	52	105	157	150	8	8	8	37	750	3612
22.06.99	0	100	150	150	8	8	8	0	750	3590
23.06.99	0	95	142	150	8	8	8	0	750	3590
24.06.99	19	102	153	150	8	8	8	0	750	3587
25.06.99	0	97	146	150	8	8	8	0	750	3566
26.06.99	20	105	157	150	8	8	8	1	750	3587
27.06.99	0	100	150	150	8	8	8	0	750	3587
28.06.99	18	105	157	150	8	8	8	3	750	3590
29.06.99	0	100	150	150	7	7	7	0	750	3569
30.06.99	0	95	142	150	7	7	7	0	750	3569
01.07.99	44	105	157	150	7	7	7	21	750	3613
02.07.99	0	100	150	150	7	7	7	0	750	3576
03.07.99	28	105	157	150	7	7	7	13	750	3566
04.07.99	0	100	150	150	7	7	7	0	750	3566
05.07.99	24	105	157	150	7	7	7	10	750	3590
06.07.99	0	100	150	150	7	7	7	0	750	3567
07.07.99	40	105	157	150	7	7	7	26	750	3573
08.07.99	0	100	150	150	7	7	7	0	750	3541
09.07.99	0	95	143	150	7	7	7	0	750	3541
10.07.99	41	105	157	150	7	7	7	19	750	3582
11.07.99	0	100	150	150	7	7	7	0	750	3560
12.07.99	0	95	143	150	7	7	7	0	750	3552
13.07.99	36	105	157	150	7	7	7	14	750	3587
14.07.99	0	100	150	150	7	7	7	0	750	3587
15.07.99	0	95	143	150	7	7	7	0	750	3587
16.07.99	0	91	136	150	7	7	7	0	750	3587
17.07.99	0	86	129	150	7	7	7	0	750	3587
18.07.99	0	81	122	150	7	7	7	0	750	3538
19.07.99	20	90	134	150	7	7	7	0	750	3558
20.07.99	22	99	149	150	7	7	7	0	750	3580
21.07.99	47	105	157	150	7	7	7	31	750	3627
22.07.99	0	101	151	150	7	7	7	0	750	3627
23.07.99	27	105	157	150	7	7	7	14	750	3654
24.07.99	0	100	151	150	7	7	7	0	750	3654
25.07.99	20	105	157	150	7	7	7	6	750	3674
26.07.99	0	100	151	150	7	7	7	0	750	3674
27.07.99	30	105	157	150	7	7	7	17	750	3705

Farm 10 Plot Water Balanee - Grass

Date	Irrigation (mm)	Soil Water Content (%)	Avail Water (mm)	Rootzone AW at FC (mm)	ETo (mm)	ETc (mm)	Adj ETc (mm)	Exc Irr (mm)	Rtzn Depth (mm)	Annual (mm)
28.07.99	0	100	151	150	7	7	7	0	750	3705
29.07.99	19	105	157	150	7	7	7	5	750	3723
30.07.99	0	100	151	150	7	7	7	0	750	3723
31.07.99	25	105	157	150	7	7	7	11	750	3710
01.08.99	0	101	151	150	7	7	7	0	750	3710
02.08.99	0	96	144	150	7	7	7	0	750	3677
03.08.99	10	98	147	150	7	7	7	0	750	3628
04.08.99	0	94	140	150	7	7	7	0	750	3628
05.08.99	8	94	141	150	7	7	7	0	750	3636
06.08.99	16	100	150	150	7	7	7	0	750	3604
07.08.99	0	96	144	150	7	7	7	0	750	3604
08.08.99	15	101	152	150	7	7	7	0	750	3619
09.08.99	13	105	157	150	7	7	7	1	750	3624
10.08.99	33	105	157	150	7	7	7	27	750	3633
11.08.99	0	101	151	150	7	7	7	0	750	3633
12.08.99	23	105	157	150	7	7	7	10	750	3620
13.08.99	0	101	151	150	7	7	7	0	750	3620
14.08.99	22	105	157	150	7	7	7	9	750	3642
15.08.99	0	101	151	150	6	6	6	0	750	3642
16.08.99	25	105	157	150	6	6	6	12	750	3637
17.08.99	0	101	151	150	6	6	6	0	750	3597
18.08.99	21	105	157	150	6	6	6	8	750	3618
19.08.99	0	101	151	150	6	6	6	0	750	3618
20.08.99	30	105	157	150	6	6	6	17	750	3587
21.08.99	0	101	151	150	6	6	6	0	750	3559
22.08.99	20	105	157	150	6	6	6	7	750	3532
23.08.99	0	101	151	150	6	6	6	0	750	3532
24.08.99	28	105	157	150	6	6	6	15	750	3561
25.08.99	0	101	151	150	6	6	6	0	750	3561
26.08.99	40	105	157	150	6	6	6	27	750	3544
27.08.99	0	101	151	150	6	6	6	0	750	3517
28.08.99	29	105	157	150	6	6	6	17	750	3546
29.08.99	21	105	157	150	6	6	6	14	750	3567
30.08.99	0	101	151	150	6	6	6	0	750	3510
31.08.99	54	105	157	150	6	6	6	42	750	3564
01.09.99	0	101	151	150	6	6	6	0	750	3564
02.09.99	0	97	145	150	6	6	6	0	750	3565
03.09.99	19	105	157	150	6	6	6	0	750	3583
04.09.99	0	101	151	150	6	6	6	0	750	3555
05.09.99	0	97	145	150	6	6	6	0	750	3530
06.09.99	27	105	157	150	6	6	6	8	750	3557
07.09.99	0	101	151	150	6	6	6	0	750	3557
08.09.99	24	105	157	150	6	6	6	12	750	3581
09.09.99	0	101	151	150	6	6	6	0	750	3581
10.09.99	33	105	157	150	6	6	6	21	750	3614
11.09.99	0	101	152	150	6	6	6	0	750	3615
12.09.99	0	97	146	150	6	6	6	0	750	3615
13.09.99	79	105	157	150	6	6	6	61	750	3694
14.09.99	52	105	157	150	6	6	6	46	750	3727
15.09.99	0	101	151	150	6	6	6	0	750	3727
16.09.99	0	97	146	150	6	6	6	0	750	3727
17.09.99	21	105	157	150	6	6	6	3	750	3749
18.09.99	0	101	151	150	6	6	6	0	750	3749
19.09.99	0	97	146	150	6	6	6	0	750	3749
20.09.99	35	105	157	150	6	6	6	17	750	3775
21.09.99	0	101	152	150	6	6	6	0	750	3760
22.09.99	0	97	146	150	6	6	6	0	750	3760
23.09.99	0	93	140	150	6	6	6	0	750	3744
24.09.99	0	89	134	150	6	6	6	0	750	3704
25.09.99	0	86	128	150	6	6	6	0	750	3704
26.09.99	0	82	122	150	6	6	6	0	750	3704
27.09.99	0	78	117	150	6	6	6	0	750	3677

Farm 10 Plot Water Balance - Grass										
Date	Irrigation (mm)	Soil Water Content (%)	Avail Water (mm)	Rootzone AW at FC (mm)	ETo (mm)	ETc (mm)	Adj ETc (mm)	Exc Irr (mm)	Rtzn Depth (mm)	Annual (mm)
28.09.99	38	100	149	150	6	6	6	0	750	3697
29.09.99	0	96	144	150	6	6	6	0	750	3697
30.09.99	37	105	157	150	6	6	6	17	750	3734
01.10.99	0	101	152	150	6	6	6	0	750	3709
02.10.99	39	105	157	150	6	6	6	28	750	3727
03.10.99	0	101	152	150	6	6	6	0	750	3727
04.10.99	0	98	146	150	6	6	6	0	750	3727
05.10.99	24	105	157	150	6	6	6	8	750	3751
06.10.99	0	101	152	150	5	5	5	0	750	3751
07.10.99	0	98	147	150	5	5	5	0	750	3729
08.10.99	27	105	157	150	5	5	5	11	750	3756
09.10.99	14	105	157	150	5	5	5	9	750	3770
10.10.99	0	101	152	150	5	5	5	0	750	3770
11.10.99	14	105	157	150	5	5	5	4	750	3784
12.10.99	0	101	152	150	5	5	5	0	750	3733
13.10.99	0	98	147	150	5	5	5	0	750	3722
14.10.99	46	105	157	150	5	5	5	30	750	3767
15.10.99	0	102	153	150	5	5	5	0	750	3760
16.10.99	14	105	157	150	5	5	5	4	750	3774
17.10.99	4	104	156	150	5	5	5	0	750	3732
18.10.99	24	105	157	150	5	5	5	17	750	3756
19.10.99	20	105	157	150	5	5	5	15	750	3776
20.10.99	0	102	152	150	5	5	5	0	750	3738
21.10.99	19	105	157	150	5	5	5	9	750	3744
22.10.99	0	102	153	150	5	5	5	0	750	3744
23.10.99	33	105	157	150	5	5	5	23	750	3777
24.10.99	0	102	153	150	5	5	5	0	750	3777
25.10.99	0	99	148	150	5	5	5	0	750	3735
26.10.99	17	105	157	150	5	5	5	3	750	3751
27.10.99	0	102	153	150	5	5	5	0	750	3751
28.10.99	15	105	157	150	5	5	5	5	750	3766
29.10.99	18	105	157	150	5	5	5	13	750	3784
30.10.99	16	105	157	150	5	5	5	12	750	3747
31.10.99	0	102	153	150	4	4	4	0	750	3747
01.11.99	15	105	157	150	4	4	4	6	750	3762
02.11.99	0	102	153	150	4	4	4	0	750	3763
03.11.99	29	105	157	150	4	4	4	20	750	3791
04.11.99	0	102	153	150	4	4	4	0	750	3791
05.11.99	0	99	149	150	4	4	4	0	750	3791
06.11.99	39	105	157	150	4	4	4	27	750	3831
07.11.99	0	102	153	150	4	4	4	0	750	3831
08.11.99	0	99	149	150	4	4	4	0	750	3831
09.11.99	18	105	157	150	4	4	4	6	750	3848
10.11.99	0	102	153	150	4	4	4	0	750	3848
11.11.99	25	105	157	150	4	4	4	17	750	3874
12.11.99	0	102	154	150	4	4	4	0	750	3874
13.11.99	0	100	150	150	4	4	4	0	750	3874
14.11.99	0	98	146	150	4	4	4	0	750	3803
15.11.99	24	105	157	150	4	4	4	9	750	3827
16.11.99	0	102	154	150	4	4	4	0	750	3816
17.11.99	0	100	150	150	4	4	4	0	750	3816
18.11.99	0	98	147	150	4	4	4	0	750	3816
19.11.99	0	95	143	150	4	4	4	0	750	3816
20.11.99	0	93	139	150	4	4	4	0	750	3816
21.11.99	0	90	136	150	4	4	4	0	750	3816
22.11.99	0	88	132	150	4	4	4	0	750	3816
23.11.99	0	86	128	150	4	4	4	0	750	3816
24.11.99	19	96	144	150	4	4	4	0	750	3784
25.11.99	0	93	140	150	4	4	4	0	750	3784
26.11.99	31	105	157	150	4	4	4	11	750	3794
27.11.99	1	103	154	150	4	4	4	0	750	3781
28.11.99	0	101	151	150	3	3	3	0	750	3781

Farm 10 Plot Water Balanee - Grass

Date	Irrigation (mm)	Soil Water Content (%)	Avail Water (mm)	Rootzone AW at FC (mm)	ETo (mm)	ETc (mm)	Adj ETc (mm)	Exc Irr (mm)	Rtzn Depth (mm)	Annual (mm)
29.11.99	0	98	148	150	3	3	3	0	750	3781
30.11.99	26	105	157	150	3	3	3	13	750	3774
01.12.99	0	103	154	150	3	3	3	0	750	3774
02.12.99	0	100	151	150	3	3	3	0	750	3751
03.12.99	0	98	147	150	3	3	3	0	750	3751
04.12.99	14	105	157	150	3	3	3	1	750	3755
05.12.99	0	103	154	150	3	3	3	0	750	3755
06.12.99	0	101	151	150	3	3	3	0	750	3755
07.12.99	10	105	157	150	3	3	3	0	750	3754
08.12.99	4	105	157	150	3	3	3	0	750	3758
09.12.99	0	103	154	150	3	3	3	0	750	3758
10.12.99	12	105	157	150	3	3	3	6	750	3738
11.12.99	45	105	157	150	3	3	3	42	750	3783
12.12.99	12	105	157	150	3	3	3	9	750	3779
13.12.99	0	103	154	150	3	3	3	0	750	3779
14.12.99	27	105	157	150	3	3	3	21	750	3789
15.12.99	5	105	157	150	3	3	3	2	750	3794
16.12.99	0	103	154	150	3	3	3	0	750	3783
17.12.99	0	101	151	150	3	3	3	0	750	3783
18.12.99	0	99	149	150	3	3	3	0	750	3773
19.12.99	10	104	156	150	3	3	3	0	750	3783
20.12.99	0	102	153	150	3	3	3	0	750	3775
21.12.99	0	100	150	150	3	3	3	0	750	3766
22.12.99	13	105	157	150	3	3	3	3	750	3780
23.12.99	0	103	154	150	3	3	3	0	750	3755
24.12.99	0	101	151	150	3	3	3	0	750	3755
25.12.99	29	105	157	150	3	3	3	20	750	3765
26.12.99	0	103	154	150	3	3	3	0	750	3765
27.12.99	14	105	157	150	3	3	3	8	750	3780
28.12.99	0	103	154	150	3	3	3	0	750	3752
29.12.99	0	101	151	150	3	3	3	0	750	3752
30.12.99	0	99	148	150	3	3	3	0	750	3732
Total	7252				3992	3992	3992	3324	Average	3622
									Max	3874
									Min	3363

APPENDIX O

IRRIGATION RATES - ALFALFA

APPENDIX O IRRIGATION APPLICATION RATE - ALFALFA - FARM 002-006

Date	Meter Reading	Alfalfa Applic m3	Alfalfa Rate mm	mm/day	GIR alfalfa
28.12.97	110.91				
04.01.98	227.23	116.32	155.09	22.16	7.10
13.01.98	335.41	108.18	144.24	16.03	
28.01.98	456.43	121.02	161.36	10.76	
03.02.98	538.84	82.41	109.88	18.31	
16.02.98	671.00	132.16	176.21	13.55	8.79
23.02.98	783.80	112.80	150.40	21.49	
02.03.98	902.46	118.66	158.21	22.60	
09.03.98	1082.00	179.54	239.39	34.20	
16.03.98	1082.00	0.00	0.00		11.26
23.03.98	1206.00	124.00	165.33	23.62	
30.03.98	1322.91	116.91	155.88	22.27	
05.04.98	1501.61	178.70	238.27	39.71	
12.04.98	1604.00	102.39	136.52	19.50	14.89
20.04.98	1700.00	96.00	128.00	16.00	
27.04.98	1799.00	99.00	132.00	18.86	
04.05.98	1913.00	114.00	152.00	21.71	
11.05.98	2046.00	133.00	177.33	25.33	
17.05.98	2120.00	74.00	98.67	16.44	17.61
24.05.98	2313.00	193.00	257.33	36.76	
01.06.98	2417.00	104.00	138.67	17.33	17.85
05.07.98	3121.00	704.00	938.67	27.61	16.43
15.08.98					14.85
07.09.98	4249.00	1128.00	1504.00	23.50	13.93
08.02.99	4484.00				
15.02.99	4736.00	252.00	184.89	26.41	
22.02.99	4936.00	200.00	146.74	20.96	
02.03.99	5391.00	455.00	333.82	41.73	
08.03.99	5519.00	128.00	93.91	15.65	
19.03.99	5750.00	231.00	169.48	15.41	11.26
22.03.99	5905.00	155.00	113.72	37.91	
07.04.99	6549.00	644.00	472.49	29.53	
12.04.99	6873.00	324.00	237.71	47.54	14.89
26.04.99	7529.00	656.00	481.29	34.38	
03.05.99	7575.00	46.00	33.75	4.82	
17.05.99	8339.00	764.00	560.53	40.04	17.61
24.05.99	8507.00	168.00	123.26	17.61	
31.05.99	8885.00	378.00	277.33	39.62	
07.06.99	9166.00	281.00	206.16	29.45	
14.06.99	9560.00	394.00	289.07	41.30	17.85
21.06.99	9772.00	212.00	155.54	22.22	
01.07.99	10480.00	708.00	519.44	51.94	
05.07.99	10771.00	291.00	213.50	53.37	
14.07.99	11499.00	728.00	534.12	59.35	16.43
07.08.99	12432.00	933.00	684.52	28.52	14.85
02.09.99	13587.00	1155.00	847.40	32.59	13.93
		13241.09	**12196.10**	**27.57**	**14.35**
				27.57	

APPENDIX O IRRIGATION APPLICATION RATE - ALFALFA - FARM 002-007

Date	Meter Reading	Alfalfa Applic m3	Alfalfa Rate mm	mm/day	GIR Alfalfa
22.01.98	23.12				
03.02.98	34.60	11.48	30.21	2.52	
16.02.98	62.00	27.40	72.11	5.55	7.36
23.02.98	89.90	27.90	73.42	10.49	
09.03.98	126.14	36.24	95.37	6.81	
16.03.98	148.57	22.43	59.03	8.43	9.42
23.03.98	163.91	15.34	40.37	5.77	
30.03.98	195.50	31.59	83.13	11.88	
05.04.98	213.95	18.45	48.55	8.09	
12.04.98	240.73	26.78	70.47	10.07	12.46
20.04.98	302.00	61.27	161.24	20.15	
27.04.98	341.00	39.00	102.63	14.66	
04.05.98	360.00	19.00	50.00	7.14	
11.05.98	416.00	56.00	147.37	21.05	
17.05.98	448.00	32.00	84.21	14.04	14.73
24.05.98	501.00	53.00	139.47	19.92	
01.06.98	564.00	63.00	165.79	20.72	14.93
05.07.98	692.00	128.00	336.84	9.91	13.75
15.08.98					12.43
07.09.98	906.00	214.00	563.16	8.80	11.65
15.09.98					
30.11.98	1342.00	436.00	1147.37	13.66	7.28
14.12.98	1397.00	55.00	144.74	10.34	5.84
24.12.98	1397.00	0.00	0.00		
04.01.99	1449.00	52.00	136.84	6.52	
12.01.99	1461.00	12.00	31.58	3.95	5.94
25.01.99	1502.00	41.00	107.89	8.30	
01.02.99	1502.00	0.00	0.00		
08.02.99	1540.00	38.00	100.00	14.29	
15.02.99	1540.00	0.00	0.00		7.36
22.02.99	1540.00	0.00	0.00		
02.03.99	1577.00	37.00	97.37	12.17	
08.03.99	1607.00	30.00	78.95	13.16	
22.03.99	1652.00	45.00	118.42	8.46	9.42
07.04.99	1762.00	110.00	289.47	18.09	
12.04.99	1762.00	0.00	0.00		
19.04.99	1762.00	0.00	0.00		12.46
26.04.99	1805.00	43.00	113.16	16.17	
03.05.99	1805.00	0.00	0.00		
10.05.99	1849.00	44.00	115.79	16.54	
17.05.99	1849.00	0.00	0.00		14.73
24.05.99	1896.00	47.00	123.68	17.67	
07.06.99	1955.00	59.00	155.26	11.09	
14.06.99	1988.00	33.00	86.84	12.41	14.93
21.06.99	1988.00	0.00	0.00		
30.06.99	2028.00	40.00	105.26	11.70	
05.07.99	2052.00	24.00	63.16	12.63	
12.07.99	2052.00	0.00	0.00		13.75
19.07.99	2088.00	36.00	94.74	13.53	
29.07.99	2133.00	45.00	118.42	11.84	
07.08.99	2156.00	23.00	60.53	6.73	12.43
02.09.99	2275.00	119.00	313.16	12.04	11.65
		2251.88	**5926.00**	**11.72**	**11.18**

APPENDIX O IRRIGATION APPLICATION RATE - ALFALFA - FARM 002-009

Date	Meter Reading	Alfalfa Applic m3	Alfalfa Rate mm	mm/day	GIR alfalfa
20.11.97	6.90				10.17
14.12.97	95.43	88.53	491.83	20.49	8.16
04.01.98	170.00	74.57	414.28	19.73	
13.01.98	204.20	34.20	190.00	21.11	8.30
26.01.98	219.56	15.36	85.33	6.56	
03.02.98	253.44	33.88	188.22	23.53	
16.02.98	301.00	47.56	264.22	20.32	10.28
23.02.98	318.60	17.60	97.78	13.97	
02.03.98	360.00	41.40	230.00	32.86	
09.03.98	373.00	13.00	72.22	10.32	
16.03.98	394.70	21.70	120.56	17.22	13.17
23.03.98	438.00	43.30	240.56	34.37	
30.03.98	474.00	36.00	200.00	28.57	
05.04.98	513.00	39.00	216.67	36.11	
12.04.98	563.00	50.00	277.78	39.68	17.41
20.04.98	598.00	35.00	194.44	24.31	
27.04.98	631.00	33.00	183.33	26.19	
04.05.98	678.00	47.00	261.11	37.30	
11.05.98	727.00	49.00	272.22	38.89	
17.05.98	775.00	48.00	266.67	44.44	20.59
24.05.98	790.00	15.00	83.33	11.90	
01.06.98	860.00	70.00	388.89	48.61	20.87
05.07.98	1070.00	210.00	1166.67	34.31	19.21
15.08.98					17.36
07.09.98	1392.00	322.00	1788.89	27.95	16.28
15.10.98					13.95
15.11.98					10.17
14.12.98	1864.00	472.00	2622.22	26.76	8.16
24.12.98	1892.00	28.00	155.56	15.56	
04.01.99	1923.00	31.00	172.22	15.66	
12.01.99	1940.00	17.00	94.44	11.81	8.30
25.01.99	1976.00	36.00	200.00	15.38	
01.02.99	1987.00	11.00	61.11	8.73	
08.02.99	2001.00	14.00	77.78	11.11	
15.02.99	2038.00	37.00	205.56	29.37	10.28
22.02.99	2071.00	33.00	183.33	26.19	
02.03.99	2102.00	31.00	172.22	21.53	
08.03.99	2125.00	23.00	127.78	21.30	
11.03.99	2155.00	30.00	166.67	55.56	13.17
22.03.99	2187.00	32.00	177.78	16.16	
07.04.99	2263.00	76.00	422.22	26.39	
12.04.99	2262.00	-1.00	-5.56		17.41
19.04.99	2309.00	47.00	261.11	37.30	
26.04.99	2324.00	15.00	83.33	11.90	
03.05.99	2357.00	33.00	183.33	26.19	
10.05.99	2372.00	15.00	83.33	11.90	
17.05.99	2427.00	55.00	305.56	43.65	20.59
23.05.99	2444.00	17.00	94.44	15.74	
31.05.99	2477.00	33.00	183.33	22.92	
07.06.99	2503.00	26.00	144.44	20.63	
18.06.99	2566.00	63.00	350.00	31.82	20.87
21.06.99	2570.00	4.00	22.22	7.41	
30.06.99	2590.00	20.00	111.11	12.35	
05.07.99	2632.00	42.00	233.33	46.67	
12.07.99	2645.00	13.00	72.22	10.32	19.21
19.07.99	2677.00	32.00	177.78	25.40	
07.08.99	2727.00	50.00	277.78	14.62	17.36
		1335.00	**7416.67**	**24.21**	**14.60**

APPENDIX O IRRIGATION APPLICATION RATE - ALFALFA - FARM 002-010

Date	ETo	Alfalfa Reading	Alfalfa Applic m3	Alfalfa Rate mm	mm/day	GIR alfalfa
13.Nov.97		29.38				
20.Nov.97	24.84	65.47	36.09	267.33	38.19	7.29
14.Dec.97	79.16	106.53	41.06	304.15	12.67	5.85
30.Dec.97	.48.76	148.58	42.05	311.48	19.47	
04.Jan.98	15.41	157.59	9.01	66.74	13.35	
13.Jan.98	27.89	175.60	18.01	133.41	14.82	5.95
22.Jan.98	30.11	201.53	25.93	192.07	21.34	
03.Feb.98	43.11	233.10	31.57	233.85	19.49	
16.Feb.98	49.91	280.00	46.90	347.41	26.72	7.37
23.Feb.98	29.39	317.60	37.60	278.52	39.79	
02.Mar.98	31.91	325.48	7.88	58.37	8.34	
09.Mar.98	31.91	353.97	28.49	211.04	30.15	
16.Mar.98	34.42	372.87	18.90	140.00	20.00	9.43
23.Mar.98	38.12	399.55	26.68	197.63	28.23	
30.Mar.98	38.12	420.00	20.45	151.48	21.64	
05.Apr.98	35.84	443.03	23.03	170.59	28.43	
12.Apr.98	45.51	459.00	15.97	118.30	16.90	
20.Apr.98	52.01	484.00	25.00	185.19	23.15	12.47
27.Apr.98	48.28	512.00	28.00	207.41	29.63	
04.May.98	51.06	533.00	21.00	155.56	22.22	
11.May.98	51.06	568.00	35.00	259.26	37.04	
17.May.98	46.14	600.00	32.00	237.04	39.51	14.76
24.May.98	54.07	614.00	14.00	103.70	14.81	
01.Jun.98	62.07	659.00	45.00	333.33	41.67	14.95
05.Jul.98	250.97	835.00	176.00	1303.70	38.34	13.77
15.Aug.98						12.44
07.Sep.98	429.76	995.00	160.00	1185.19	18.52	11.67
15.Oct.98						10.00
15.Nov.98						7.29
03.Dec.98	564.18				24.98	
14.Dec.98	69.85	1124.00				5.85
24.Dec.98	62.15	1124.00	0.00	0.00		
04.Jan.99	66.89	1140.00	16.00	131.15	11.92	
12.Jan.99	46.32	1140.00	0.00	0.00		5.95
25.Jan.99	71.51	1163.00	23.00	188.52	14.50	
01.Feb.99	36.47	1168.00	5.00	40.98	5.85	
08.Feb.99	33.18	1168.00	0.00	0.00		
15.Feb.99	29.89	1184.00	16.00	131.15	18.74	7.37
22.Feb.99	26.60	1184.00	0.00	0.00		
02.Mar.99	28.39	1221.00	37.00	303.28	37.91	
08.Mar.99	19.79	1221.00	0.00	0.00		
15.Mar.99	21.33	1241.00	20.00	163.93	23.42	9.43
19.Mar.99	12.26	1241.00	0.00	0.00		
22.Mar.99		1256.00	15.00	122.95	40.98	
02.Apr.99		1281.00	25.00	204.92	18.63	
19.Apr.99		1323.00	42.00	344.26	20.25	12.47
26.Apr.99		1357.00	34.00	278.69	39.81	
03.May.99		1387.00	30.00	245.90	35.13	
10.May.99		1404.00	17.00	139.34	19.91	
17.May.99		1444.00	40.00	327.87	46.84	14.76
23.May.99		1474.00	30.00	245.90	40.98	

APPENDIX O IRRIGATION APPLICATION RATE - ALFALFA - FARM 002-010

Date	ETo	Alfalfa Reading	Alfalfa Applic m3	Alfalfa Rate mm	mm/day	GIR alfalfa
31.May.99		1482.00	8.00	65.57	8.20	
07.Jun.99		1520.00	38.00	311.48	44.50	
14.Jun.99		1538.00	18.00	147.54	21.08	14.95
21.Jun.99		1551.00	13.00	106.56	15.22	
30.Jun.99		1579.00	28.00	229.51	25.50	
05.Jul.99		1591.00	12.00	98.36	19.67	
12.Jul.99		1615.00	24.00	196.72	28.10	13.77
19.Jul.99		1638.00	23.00	188.52	26.93	
29.Jul.99		1662.00	24.00	196.72	19.67	
07.Aug.99		1677.00	15.00	122.95	13.66	12.44
02.Sep.99		1738.00	61.00	500.00	19.23	11.67
				5032.79	**24.82**	**10.52**

APPENDIX O IRRIGATION APPLICATION RATE - ALFALFAL - FARM 001-011

Date	Alfalfa Reading	Alfalfa Applic m3	Alfalfa Rate mm	mm/day	GIR alfalfa
05.02.98					
16.02.98	32.00				6.71
23.02.98	79.90	47.90			
02.03.98	109.80	29.90	44.63	6.38	
09.03.98	150.84	41.04	61.25	8.75	
16.03.98	242.00	91.16	136.06	19.44	8.60
23.03.98	273.00	31.00	46.27	6.61	
30.03.98	351.00	78.00	116.42	16.63	
12.04.98	466.00	115.00	171.64	13.20	11.37
20.04.98	543.00	77.00	114.93	14.37	
28.04.98	664.00	121.00	180.60	22.57	
04.05.98	720.00	56.00	83.58	13.93	
11.05.98	827.00	107.00	159.70	22.81	
18.05.98	883.00	56.00	83.58	11.94	13.45
24.05.98	984.00	101.00	150.75	25.12	
01.06.98	1057.00	73.00	108.96	13.62	13.63
05.07.98	1486.00	429.00	640.30	18.83	12.55
15.08.98					11.34
07.09.98	1964.00	478.00	713.43	11.15	10.63
15.10.98					9.11
15.11.98					6.64
14.12.98	2981.00	1017.00	1517.91	15.49	5.33
28.12.98	3065.00	84.00	125.37	8.96	
04.01.99	3131.00	66.00	98.51	14.07	
12.01.99	3148.00	17.00	25.37	3.17	5.42
25.01.99	3295.00	147.00	219.40	16.88	
01.02.99	3318.00	23.00	34.33	4.90	
08.02.99	3413.00	95.00	141.79	20.26	
15.02.99	3416.00	3.00	4.48		6.71
22.02.99	3454.00	38.00	56.72	8.10	
02.03.99	3504.00	50.00	74.63	9.33	
08.03.99	3516.00	12.00	17.91	2.99	
19.03.99	3600.00	84.00	125.37	11.40	8.60
22.03.99	3612.00	12.00	17.91	5.97	
07.04.99	3752.00	140.00	208.96	13.06	11.37
26.04.99	3936.00	184.00	274.63	14.45	
03.05.99	4038.00	102.00	152.24	21.75	
10.05.99	4086.00	48.00	71.64	10.23	
17.05.99	4204.00	118.00	176.12	25.16	13.45
24.05.99	4264.00	60.00	89.55	12.79	
31.05.99	4387.00	123.00	183.58	26.23	
07.06.99	4488.00	101.00	150.75	21.54	
18.06.99	4565.00	77.00	114.93	10.45	13.63
21.06.99	4565.00	0.00	0.00		
01.07.99	4663.00	98.00	146.27	14.63	
05.07.99	4712.00	49.00	73.13	18.28	
13.07.99	4758.00	46.00	68.66	8.58	12.55
20.07.99	4822.00	64.00	95.52	13.65	
31.07.99	4957.00	135.00	201.49	18.32	
		4925.00	**7279.25**	**14.05**	**10.06**
				26.23	

APPENDIX P

SOIL MOISTURE MONITORING RESULTS - GRASS

APPENDIX P CASE STUDY FARMS SOIL TENSION - FARM 7 - GRASS

Date	Tension (cb)		Ht
	30cm	60cm	
04.01.99	12	14	60
12.01.99	18	18	60
25.01.99	30	21	5
01.02.99	14	20	10
08.02.99	16	16	15
15.02.99	12	14	20
22.02.99	15	16	30
02.03.99	16	17	50
08.03.99	18	18	70
19.03.99	32	22	80
22.03.99	39	24	90
07.04.99	24	20	
14.04.99	12	24	
19.04.99	15	15	20
26.04.99	16	16	50
03.05.99	14	15	60
10.05.99	17	17	70
17.05.99	26	20	90
24.05.99	65	24	90
31.05.99	65	35	5
07.06.99	65	48	10

APPENDIX P CASE STUDY FARMS SOIL TENSION - FARM 9 - GRASS

	Grass		
Date	Tension (cb)		Ht
	30cm	60cm	cm
04.01.00	8	14	25
12.01.00	8	12	
25.01.00	5	15	40
01.02.00	12	5	30
08.02.00	8	14	70
15.02.00	5	14	70
22.02.00	8	13	80
02.03.00	10	15	5
08.03.00	8	14	
19.03.00	9	15	10
22.03.00	8	14	15
07.04.00	10	12	20
12.04.00	18	18	
19.04.00	12	20	
26.04.00	10	24	45
03.05.00	12	30	60
10.05.00	6	25	7
17.05.00	6	22	20
23.05.00	6	12	20
31.05.00	8	12	30
07.06.00	12	14	30
18.06.00	10	16	60
21.06.00	5	10	70
30.06.00	8	12	0
05.07.00	6	16	10
12.07.00	5	12	20
19.07.00	8	15	30
30.07.00	5	11	30
07.08.00	10	15	30
02.09.00	5	12	10

APPENDIX P CASE STUDY FARMS SOIL TENSION - FARM 10 - GRASS

Date	60cm	30cm	Start	Stop	Time
06.12.98	-15	-15			
08.12.98	-17	-17	14:30	17:30	3:00
10.12.98	-9	-9	19:00	20:00	1:00
12.12.98	-12	-12	16:00	17:40	1:40
14.12.98	-12	-15	20:00	21:15	1:15
16.12.98	-12	-12	20:15	21:30	1:15
18.12.98	-16	-14	16:25	17:20	0:55
19.12.98	-13	-13	16:30	17:30	1:00
20.12.98	-16	-13	19:30	22:00	2:30
22.12.98	-13	-13	20:30	22:30	2:00
26.12.98	-13	-12	8:20	11:20	3:00
28.12.98	-13	-12	9:20	11:10	1:50
02.01.99	-13	-13	16:50	19:00	2:10
10.01.99	-18	-13	10:40	14:00	3:20
15.01.99	-18	-11	9:50	14:50	5:00
28.01.99	-18	-17	4:30	6:00	1:30
30.01.99	-19	-16	10:20	14:20	4:00
02.02.99	-16	-15	8:50	9:50	1:00
04.02.99	-18	-16	10:30	14:02	3:32
09.02.99	-15	-14	9:45	11:40	1:55
11.02.99	-13	-10	6:30	8:40	2:10
13.02.99	-16	-13	2:30	4:30	2:00
15.02.99	-18	-16	8:40	11:00	2:20
18.02.99	-18	-14	8:00	9:40	1:40
20.02.99	-19	-15	7:00	10:00	3:00
24.02.99	-19	-13	8:40	11:00	2:20
28.02.99	-20	-15	10:00	13:00	3:00
04.03.99	-15	-10	2:40	6:10	3:30
09.03.99	-19	-12	8:00	12:00	4:00
13.03.99	-20	-15	9:00	12:30	3:30
19.03.99	-19	-16	12:00	14:00	2:00
21.03.99	-17	-12	10:40	12:00	1:20
25.03.99	-16	-11	11:10	13:00	1:50
01.04.99					
02.04.99	-10	-11			
03.04.99	-11	-11			
04.04.99	-12	-10			
05.04.99	-11	-21			
06.04.99	-4	-4			
07.04.99	-10	-11			
08.04.99	-11	-11			
09.04.99	-11	-11			
10.04.99	-11	-11			
11.04.99	-11	-10			
12.04.99	-10	-10			
13.04.99	-11	-11			
14.04.99	-10	-11			
15.04.99	-10	-11			
16.04.99	-19	-11			
17.04.99	-19	-12			
18.04.99	-12	-11			
19.04.99	-18	-12			

APPENDIX Þ CASE STUDY FARMS SOIL TENSION - FARM 10 - GRASS

Date	60cm	30cm	Start	Stop	Time
20.04.99	-13	-10			
21.04.99	-13	-12			
22.04.99	-13	-11			
23.04.99	-18	-14			
24.04.99	-19	-12			
25.04.99	-19	-18			
26.04.99	-19	-18			
27.04.99	-18	-13			
28.04.99	-19	-19			
29.04.99	-11	-13			
30.04.99	-21	-19			
01.05.99					
02.05.99					
03.05.99					
04.05.99	-3	-9			
05.05.99	-12	-10			
06.05.99	-19	-31			
07.05.99	-11	-10			
08.05.99	-5	-1			
09.05.99	-9	-3			
10.05.99	-11	-2			
11.05.99	-5	-10			
12.05.99	-5	-10			
13.05.99	-5	-3			
14.05.99	-9	-6			
15.05.99	-11	-10			
16.05.99	-10	-3			
17.05.99	-11	-6			
18.05.99	-11	-10			
19.05.99	-12	-10			
20.05.99	-11	-10			
21.05.99	-10	-10			
22.05.99	-11	-10			
23.05.99	-12	-10			
24.05.99	-10	-10			
25.05.99	-10	-11			
26.05.99	-11	-11			
27.05.99	-11	-12			
28.05.99					
29.05.99	-12	-14			
30.05.99	-10	-10			
31.05.99	-10	-12			
01.06.99	-13	-11			
02.06.99	-19	-18			
03.06.99	-19	-18			
04.06.99	-19	-19			
05.06.99	-19	-18			
06.06.99	-19	-18			
07.06.99	-18	-15			
08.06.99	-16	-13			
09.06.99	-19	-19			
10.06.99	-18	-14			

APPENDIX P CASE STUDY FARMS SOIL TENSION - FARM 10 - GRASS

Date	60cm	30cm	Start	Stop	Time
11.06.99	-13	-12			
12.06.99	-17	-12			
13.06.99	-13	-10			
14.06.99	-18	-13			
15.06.99	-18	-13			
16.06.99	-18	-12			
17.06.99	-14	-13			
18.06.99	-13	-12			
19.06.99	-13	-12			
20.06.99	-13	-11			
21.06.99	-13	-12			
22.06.99	-12	-11			
23.06.99	-13	-12			
24.06.99	-13	-11			
25.06.99	-13	-12			
26.06.99	-11	-10			
27.06.99	-13	-12			
28.06.99	-11	-5			
29.06.99	-12	-11			
30.06.99	-11	-10			
01.07.99	-19	-12			
02.07.99	-19	-12			
03.07.99	-18	-12			
04.07.99	-18	-13			
05.07.99	-13	-11			
06.07.99	-13	-10			
07.07.99	-13	-11			
08.07.99	-12	-11			
09.07.99	-18	-14			
10.07.99	-12	-10			
11.07.99	-12	-11			
12.07.99	-14	-11			
13.07.99	-14	-11			
14.07.99	-13	-10			
15.07.99	-19	-19			
16.07.99	-19	-19			
17.07.99	-19	-18			
18.07.99	-19	-18			
19.07.99	-19	-10			
20.07.99	-13	-12			
21.07.99	-13	-12			
22.07.99	-13	-12			
23.07.99	-12	-11			
24.07.99	-14	-14			
25.07.99	-12	-12			
26.07.99	-19	-18			
27.07.99	-13	-13			
28.07.99					
29.07.99	-18	-18			
30.07.99	-18	-18			
31.07.99	-19	-18			
01.08.99	-13	-12			

APPENDIX P CASE STUDY FARMS SOIL TENSION - FARM 10 - GRASS

Date	60cm	30cm	Start	Stop	Time
02.08.99	-14	-11			
03.08.99	-19	-18			
04.08.99	-18	-18			
05.08.99	-19	-12			
06.08.99	-13	-12			
07.08.99	-18	-18			
08.08.99	-18	-13			
09.08.99	-19	-18			
10.08.99	-19	-18			
11.08.99	-12	-11			
12.08.99	-11	-3			
13.08.99	-12	-2			
14.08.99	-18	-13			
15.08.99	-19	-18			
16.08.99	-13	-12			
17.08.99	-19	-18			
18.08.99	-19	-19			
19.08.99	-18	-12			
20.08.99	-19	-12			
21.08.99	-19	-13			
22.08.99	-19	-11			
23.08.99	-19	-19			
24.08.99	-19	-18			
25.08.99	-18	-12			
26.08.99	-13	-17			
27.08.99	-21	-19			
28.08.99					
29.08.99	-19	-12			
30.08.99	-18	-13			
31.08.99	-12	-11			

APPENDIX P CASE STUDY FARM SOIL TENSION - FARM 11 - GRASS

Date	30cm-am	60cm-am	30cm-pm	60cm-pm
25.04.99	57	75	0	75
26.04.99	0	75	0	78
27.04.99	33	78	41	78
28.04.99	32	80	38	76
29.04.99	46	72	58	80
30.04.99	34	70	0	80
01.05.99	0	0	10	45
02.05.99	10	28	18	50
03.05.99	0	0	0	0
04.05.99	0	0	20	30
05.05.99	10	10	15	45
06.05.99	0	20	40	70
07.05.99	0	0	10	45
08.05.99	0	20	0	0
09.05.99	45	70	10	10
10.05.99	10	20	45	60
11.05.99	0	0	45	70
12.05.99	20	45	0	0
13.05.99	0	10	50	60
14.05.99	10	10	45	60
15.05.99	20	45	45	70
16.05.99	0	0	0	0
17.05.99	20	45	0	0
18.05.99	0	10	45	0
19.05.99	10	20	70	0
20.05.99	10	0	0	0
21.05.99	20	30	45	50
22.05.99	0	0	30	45
23.05.99	15	20	60	0
24.05.99	30	65	45	50
25.05.99	0	0	20	0
26.05.99	0	0	0	0
27.05.99	15	30	70	85
28.05.99	40	70	60	35
29.05.99	0	0	45	60
30.05.99	15	20	30	45
31.05.99	40	81	45	60
01.06.99				
02.06.99				
03.06.99				
04.06.99				
05.06.99				
06.06.99				
07.06.99				
08.06.99				
09.06.99				
10.06.99				
11.06.99				
12.06.99				
13.06.99	0	10	40	25
14.06.99	20	0	70	80
15.06.99	20	40	40	70

APPENDIX P CASE STUDY FARM SOIL TENSION - FARM 11 - GRASS

Date	30cm-am	60cm-am	30cm-pm	60cm-pm
16.06.99	0	10	60	0
17.06.99	40	20	30	45
18.06.99	0	10	60	60
19.06.99	0	0	40	60
20.06.99	40	25	30	45
21.06.99	10	60	40	70
22.06.99	30	0	20	0
23.06.99	20	0	40	60
24.06.99	30	10	30	70
25.06.99	40	25	70	75
26.06.99	40	25	40	60
27.06.99	30	20	20	35
28.06.99	0	10	40	50
29.06.99	35	20	40	10
30.06.99	35	0	40	20
01.07.99	40	25	30	70
02.07.99	30	15	45	0
03.07.99	20	40	40	0
04.07.99	0	10	30	20
05.07.99	30	20	0	0
06.07.99	40	70	60	70
07.07.99	0	10	25	40
08.07.99	10	25	40	60
09.07.99	10	10	35	60
10.07.99	40	0	25	40
11.07.99	0	0	40	70
12.07.99	20	0	40	70
13.07.99	10	0	25	40
14.07.99	10	25	50	70
15.07.99	25	60	40	85
16.07.99	30	60	25	40
17.07.99	0	15	40	70
18.07.99	10	0	20	25
19.07.99	10	25	40	60
20.07.99	40	70	45	70
21.07.99	10	25	25	40
22.07.99	0	10	50	70
23.07.99	35	65	30	60
24.07.99	0	10	40	0
25.07.99	25	40	25	10
26.07.99	0	10	0	0
27.07.99	20	40	10	30
28.07.99	0	0	40	45
29.07.99	10	18	30	40
30.07.99	10	20	10	70
31.07.99	20	40	55	75

APPENDIX Q

SOIL MOISTURE MONITORING RESULTS - ALFALFA

APPENDIX Q CASE STUDY FARMS SOIL TENSION - FARM 6 - ALFALFA

Date	30cm	60cm	Meter	m3	
12.04.99	6	10	6876		Irrigation
13.04.99	10	10	6919	43	
14.04.99	11	10	6919	0	Irrigation
15.04.99	10		6960	41	
16.04.99	11	10	7140	180	
17.04.99	11	10	7140	0	
18.04.99	29	19	7140	0	
19.04.99	70	60	7141	1	
20.04.99	10	60	7144	3	
21.04.99	10	2	7334	190	Irrigation
22.04.99	11	10	7336	2	
23.04.99	11	12	7336	0	
24.04.99	13	25	7336	0	
25.04.99	30	5	7388	52	Irrigation
26.04.99	3	8	7530	142	
27.04.99	10	11	7530	0	
28.04.99	10	12	7530	0	
29.04.99	11	21	7531	1	
30.04.99	15	22	7570	39	
01.05.99	20	30	7570	0	
02.05.99	10	15	7570	0	
03.05.99	12	80	7570	0	
04.05.99	5	10	7834	264	
[illegible]	9	10	7874	40	
06.05.99	10	1	7874	0	
07.05.99	10	12	7874	0	
08.05.99	30	32	7874	0	
09.05.99	70	70	7874	0	
10.05.99	15	21	7916	42	
[illegible]	10	10	8127	211	
12.05.99	10	12	8314	187	
13.05.99	19	20	8314	0	
14.05.99	65	70	8314	0	
[illegible]	3	10	8327	13	
16.05.99	25	30	8339	12	
17.05.99	15	15	8339	0	
18.05.99	30	35	8341	2	
[illegible]	10	10	8403	62	
20.05.99	10	11	8482	79	
21.05.99	10	10	8505	23	
22.05.99	10	11	8505	0	
23.05.99	10	10	8507	2	
24.05.99	12	12	8507	0	
[illegible]	9	10	8662	155	
26.05.99	10	11	8688	26	
27.05.99	10	11	8688	0	
28.05.99	11	12	8688	0	
29.05.99	5	65	8716	28	
30.05.99	11	12	8885	169	
31.05.99	9	15	8885	0	
01.06.99	35	35	8885	0	
02.06.99	10	12	8930	45	

APPENDIX Q CASE STUDY FARMS SOIL TENSION - FARM 6 - ALFALFA

03.06.99	9	12	8930	0	
04.06.99	3	10	9160	230	
05.06.99	10	11	9160	0	
[redacted]	30	40	9166	6	
07.06.99	65	65	9166	0	
08.06.99	10	11	9339	173	
09.06.99	10	12	9339	0	
10.06.99	13	14	9340	1	
11.06.99	10	12	9384	44	
[redacted]	10	9	9560	176	
13.06.99	13	15	9560	0	
14.06.99	10	11	9560	0	
15.06.99	12	15	9560	0	
16.06.99	11	12	9560	0	
17.06.99	11	12	9560	0	
[redacted]	10	11	9772	212	
19.06.99	9	10	9772	0	
20.06.99	10	12	9772	0	
21.06.99	10	15	9772	0	
[redacted]	10	11	9956	184	
23.06.99	9	10	9956	0	
24.06.99	10	12	10063	107	
25.06.99	12	15	10063	0	
[redacted]	10	11	10202	139	
27.06.99	11	11	10360	158	
28.06.99	10	12	10360	0	
29.06.99	12	15	10360	0	
30.06.99	12	15	10480	120	
01.07.99	12	15	10560	80	
02.07.99	12	15	10560	0	
03.07.99	10	15	10560	0	
[redacted]	5	11	10560	0	
05.07.99	10	11	10771	211	
06.07.99	11	12	10771	0	
07.07.99	10	12	10771	0	
08.07.99	11	12	10771	0	
09.07.99	15	15	10854	83	
10.07.99	12	15	10855	1	
11.07.99	11	12	10904	49	
12.07.99	9	12	11037	133	
13.07.99	9	11	11168	131	
[redacted]	10	11	11182	14	
15.07.99	9	10	11207	25	
16.07.99	5	10	11329	122	
17.07.99	10	10	11499	170	
18.07.99	10	12	11499	0	
19.07.99	12	15	11499	0	
20.07.99	9	10	11499	0	
[redacted]	9	10	11696	197	
22.07.99	9	10	11696	0	
23.07.99	9	11	11696	0	
24.07.99	10	11	11696	0	
[redacted]	10	12	11882	186	

APPENDIX Q CASE STUDY FARMS SOIL TENSION - FARM 6 - ALFALFA

26.07.99	9	10	11885	3	
27.07.99	10	12	11935	50	
28.07.99	10	12	11935	0	
29.07.99	8	10	11935	0	
30.07.99	9	10	11935	0	
31.07.99	10	11	11935	0	
01.08.99	12	15	12181	246	
02.08.99	15	15	12181	0	
03.08.99	15	15	12181	0	
04.08.99	18	20	12181	0	
05.08.99	25	24	12181	0	
[illegible]	10	12	12332	151	
07.08.99	10	12	12432	100	
08.08.99	11	12	12432	0	
[illegible]	11	12	12670	238	
10.08.99	10	11	12670	0	
11.08.99	20	25	12670	0	
12.08.99	12	15	12670	0	
13.08.99	8	10	12796	126	
[illegible]	10	12	12907	111	
15.08.99	10	10	12907	0	
16.08.99	12	15	12907	0	
17.08.99	10	10	12907	0	
[illegible]	10	10	13060	153	
19.08.99	9	10	13060	0	
20.08.99	10	10	13060	0	
21.08.99	10	12	13060	0	
[illegible]	10	12	13233	173	
23.08.99	10	12	13233	0	
24.08.99	10	12	13233	0	
25.08.99	10	12	13233	0	
[illegible]	10	10	13350	117	
27.08.99	10	10	13424	74	
28.08.99	10	11	13431	7	
29.08.99	10	12	13431	0	
30.08.99	10	12	13431	0	
31.08.99	10	12	13431	0	
01.09.99				-13431	
02.09.99	10	10	13857	13857	
03.09.99	10	12	13857	0	
04.09.99	10	12	13857	0	
[illegible]	8	10	13684	-173	
06.09.99	9	10	13684	0	
07.09.99	10	10	13684	0	
08.09.99	10	10	13684	0	
09.09.99	10	10	13900	216	
[illegible]	8	10	13963	63	
11.09.99	9	10	14086	123	
12.09.99	10	12	14086	0	
13.09.99	12	15	14086	0	
14.09.99	10	12	14086	0	
[illegible]	14	15	14197	111	
16.09.99	15	15	14197	0	

APPENDIX Q CASE STUDY FARMS SOIL TENSION - FARM 6 - ALFALFA

17.09.99	12	15	14197	0	
18.09.99	10	12	14458	261	
[redacted]	10	11	14458	0	
20.09.99	11	12	14458	0	
21.09.99	10	10	14458	0	
22.09.99	12	12	14465	7	
23.09.99	38	54	14634	169	
[redacted]	9	10	14634	0	
25.09.99	10	15	14634	0	
26.09.99	11	12	14685	51	
27.09.99	12	15	14689	4	
28.09.99	11	15	14689	0	
29.09.99	35	35	14689	0	
30.09.99	45	85	14689	0	

APPENDIX Q CASE STUDY SOIL TENSION - FARM 7 - ALFALFA

Date	Tension (cb)		Meter
	30cm	60cm	
17.03.99	25	20	1639
18.03.99	25	20	1639
19.03.99	25	20	1639
20.03.99	52	22	1646
21.03.99	52	22	1646
22.03.99	52	22	1646
23.03.99	52	22	1646
24.03.99	47	24	1646
25.03.99	47	24	1646
26.03.99	80	26	1646
27.03.99	66	32	1652
28.03.99	66	32	1652
29.03.99	66	32	1652
30.03.99			
31.03.99			
01.04.99	10	36	1661
02.04.99	10	36	1661
03.04.99	10	36	1661
04.04.99	10	36	1661
05.04.99	10	36	1661
06.04.99	80	50	1661
07.04.99	80	50	1661
08.04.99	80	50	1661
09.04.99	80	50	1661
10.04.99	80	50	1661
11.04.99			
12.04.99			
13.04.99			
14.04.99			
15.04.99			
16.04.99			
17.04.99			
18.04.99			
19.04.99			
20.04.99			
21.04.99			
22.04.99			
23.04.99			
24.04.99			
25.04.99			
26.04.99			
27.04.99			
28.04.99			
29.04.99	32	30	1805
30.04.99	41	30	1805
01.05.99			
02.05.99	41	30	1805
03.05.99	46	34	1805
04.05.99	48	34	1805
05.05.99	51	37	1805
06.05.99	54	40	1805

APPENDIX Q CASE STUDY SOIL TENSION - FARM 7 - ALFALFA

07.05.99	56	42	1805
08.05.99	2	10	1849
09.05.99	22	18	1849
10.05.99	26	30	1849
11.05.99	27	22	1849
12.05.99			
13.05.99			
14.05.99			
15.05.99			
16.05.99			
17.05.99	35	28	1849
18.05.99	35	28	1849
19.05.99	35	28	1849
20.05.99	22	18	1864
21.05.99	22	18	1896
22.05.99	22	18	1896
23.05.99	26	21	1896
24.05.99	26	21	1896
25.05.99	26	21	1896
26.05.99	26	21	1976
27.05.99	26	21	1976
28.05.99	26	21	1976
29.05.99	26	21	1976
30.05.99			
31.05.99			
01.06.99	28	22	1955
02.06.99	28	22	1955
03.06.99	28	22	1955
04.06.99	28	22	1955
05.06.99	28	22	1955
06.06.99	28	22	1955
07.06.99	24	24	1955
08.06.99	24	24	1955
09.06.99	24	24	1955
10.06.99	24	24	1955
11.06.99	34	26	1955
12.06.99	34	26	1955
13.06.99	12	10	1988
14.06.99	12	10	1988
15.06.99	30	24	1988
16.06.99	30	24	1988
17.06.99	30	24	1988
18.06.99	30	30	1988
19.06.99	30	30	1988
20.06.99	30	30	1988
21.06.99	20	18	1988
22.06.99	20	18	1988
23.06.99	20	18	1988
24.06.99	18	18	2028
25.06.99	18	18	2028
26.06.99	18	18	2028
27.06.99	18	18	2028
28.06.99	18	18	2028

APPENDIX Q CASE STUDY SOIL TENSION - FARM 7 - ALFALFA

29.06.99	18	18	2028
30.06.99	18	18	2028
01.07.99	20	18	2028
02.07.99	22	20	2052
03.07.99	22	20	2052
04.07.99	22	20	2052
05.07.99	24	30	2052
06.07.99	24	30	2052
07.07.99	30	24	2052
08.07.99	30	24	2052
09.07.99	30	24	2052
10.07.99	32	28	2052
11.07.99	32	28	2052
12.07.99	32	29	2052
13.07.99	33	29	2052
14.07.99	35	29	2052
15.07.99	36	30	2052
16.07.99	38	31	2088
17.07.99	20	16	2088
18.07.99	20	1	2088
19.07.99	29	21	2088
20.07.99	29	21	2088
21.07.99	30	22	2088
22.07.99	31	24	2088
23.07.99	31	24	2088
24.07.99	33	27	2088
25.07.99	34	29	2088
26.07.99			
27.07.99			
28.07.99	20	22	2133
29.07.99	27	19	2156
30.07.99	29	20	2156
31.07.99			
01.08.99	29	19	2156
02.08.99	29	20	2156
03.08.99	29	20	2156
04.08.99	30	21	2156
05.08.99	30	21	2156
06.08.99	30	22	2156
07.08.99	30	24	2156
08.08.99	31	24	2156
09.08.99	32	25	2156
10.08.99	16	12	2190
11.08.99	18	13	2190
12.08.99	18	16	2190
13.08.99	20	17	2190
14.08.99	24	19	2190
15.08.99	26	21	2190
16.08.99	29	21	2190
17.08.99	30	22	2190
18.08.99	10	9	2223
19.08.99	10	10	2223
20.08.99	13	10	2223

APPENDIX Q CASE STUDY SOIL TENSION - FARM 7 - ALFALFA

21.08.99	15	12	2223
22.08.99	17	14	2223
23.08.99	24	19	2227
24.08.99	25	20	2227
25.08.99	26	22	2227
26.08.99	26	23	2227
27.08.99	18	12	2275
28.08.99	20	15	2275
29.08.99	22	17	2275
30.08.99	24	18	2275

APPENDIX Q CASE STUDY FARMS SOIL TENSION - FARM 9 - ALFALFA

Date	Tension (cb)		Time		Meter	
	30cm	60cm	Stop	Start	Stop	Start
04.04.99	10	12	8:27	7:35	2373	2359
05.04.99						
06.04.99						
07.04,99						
08.04.99						
09.04.99						
10.04.99						
11.04.99	6	16	7:45	6:45	2388	
12.04.99						
13.04.99						
14.04.99	10	27	8:45	7:40	2414	
15.04.99						
16.04.99						
17.04.99	7	13	7:45	6:30	2428	
18.04.99						
19.04.99						
20.04.99						
21.04.99						
22.04.99	8	10	7:35	6:35	2442	
23.04.99						
24.04.99						
25.04.99						
26.04.99	7	11	8:30	7:40	2457	
27.04.99						
28.04.99						
29.04.99						
30.04.99	12	19	8:25	7:30	2477	
04.06.99	8	11	8:20	7:30	3493	3477
05.06.99						
06.06.99						
07.06.99	12	14	7:20	6:35	3515	
08.06.99						
09.06.99						
10.06.99						
11.06.99						
12.06.99	9	11	8:00	7:10	3535	
13.06.99						
14.06.99	10	12	8:35	8:00	3545	
05.07.99	12	22	8:35	6:45	5524	5490
06.07.99						
07.07.99	10	25	11:00	9:20	5552	
08.07.99						
09.07.99	6	26	4:45	3:00	5576	
10.07.99						
11.07.99						
12.07.99						
13.07.99	7	23	11:00	9:20	5608	
14.07.99						
15.07.99						

APPENDIX Q CASE STUDY FARMS SOIL TENSION - FARM 9 - ALFALFA

16.07.99	7	23	11:00	9:20	5638	
17.07.99						
18.07.99						
19.07.99						
20.07.99	8	19	9:15	7:30	5667	
21.07.99						
22.07.99	19	17	11:00	9:00	5702	
23.07.99	5	11	10:40	8:00	5746	
24.07.99						
25.07.99						
26.07.99	10	18	11:00	9:00	5788	
02.08.99	7	12	11:00	9:00	5857	5821
03.08.99						
04.08.99	11	14	11:00	9:00	5882	
05.08.99						
06.08.99						
07.08.99	13	14	10:50	9:10	5908	
08.08.99						
09.08.99	11	13	5:00	3:30	5936	
10.08.99						
11.08.99						
12.08.99	12	13	5:15	3:30	5970	
13.08.99						
14.08.99	11	12	9:20	7:00	6015	
15.08.99						
16.08.99						
17.08.99	10	11	11:00	8:00	6090	
18.08.99						
19.08.99						
20.08.99						
21.08.99	11	13	10:30	8:40	6125	
22.08.99						
23.08.99						
24.08.99	10	12	10:30	8:45	6154	
25.08.99						
26.08.99	12	14	4:55	4:00	6169	
01.09.99	13	15	9:00	7:30	6220	6190
02.09.99						
03.09.99	12	14	10:30	8:30	6256	
04.09.99						
05.09.99						
06.09.99	11	13	6:45	5:00	6285	
07.09.99						
08.09.99						
09.09.99	9	12	10:30	9:00	6317	
10.09.99						
11.09.99						
12.09.99	7	13	10:30	9:00	6350	
13.09.99						
14.09.99						
15.09.99	7	12	10:30	9:00	6383	

APPENDIX Q CASE STUDY FARMS SOIL TENSION - FARM 9 - ALFALFA

16.09.99						
17.09.99						
18.09.99	9	12	5:00	3:30	6415	
19.09.99						
20.09.99						
21.09.99	7	12	5:00	3:30	6445	
22.09.99						
23.09.99						
24.09.99	8	13	5:00	3:15	6480	
25.09.99						
26.09.99	7	12	5:00	3:30	6517	
27.09.99						
28.09.99						
29.09.99						
30.09.99	7	12	10:30	9:00	6545	

APPENDIX Q CASE STUDY FARM SOIL TENSION - FARM 10 - ALFALFA

Date	30cm	60cm	Meter	m3	Interval	Applic
24.12.98	36	40	1124			
01.01.99	13	13				
04.01.99	0	6	1140	16	11	131
12.01.99	14	20	1140			
21.01.99	10	13				
25.01.99	12	18	1156	16	19	131
29.01.99	9	12				
01.02.99	10	16	1168	12	7	98
08.02.99	15	20	1168			
13.02.99	6	9				
15.02.99	10	15	1184	16	14	131
22.02.99	25	20	1184			
24.02.99	3	9				
28.02.99	4	13				
02.03.99	12	18	1221	37	15	303
04.03.99	3	11				
08.03.99	12	18	1221			
15.03.99	12	18	1241	20	13	164
19.03.99	18	22	1241			
20.03.99	4	10				
22.03.99	10	16	1256	15	14	123
03.04.99	15	18	1281	25	12	205
19.04.99	14	18	1323	42	16	344
26.04.99	14	18	1357	34	7	279
01.05.99						
02.05.99						
03.05.99	17	18	1387	30	23	246
04.05.99	4	20				
05.05.99	8	21	1404	17	2	139
06.05.99	7	21				
07.05.99	10	23				
08.05.99	6	8				
09.05.99	4	7				
10.05.99	1	3				
11.05.99	8	21	1432	28	6	230
12.05.99	7	10	1444	12	1	98
13.05.99	6	3				
14.05.99	12	18				
15.05.99	4	20				
16.05.99	13					
17.05.99	12	14				
18.05.99	11	12	1450	6	6	49
19.05.99	1	4				
20.05.99	10	11				
21.05.99	11	18				
22.05.99	11	18				
23.05.99	12	10	1474	24	5	197
24.05.99	12	19				
25.05.99	10	12				
26.05.99	11	13				
27.05.99	12	20				
28.05.99	12	10				
29.05.99	10	14				
30.05.99						
31.05.99	14	18	1482	8	8	66

APPENDIX Q CASE STUDY FARM SOIL TENSION - FARM 10 - ALFALFA

01.06.99	15	20				
02.06.99	7	21				
03.06.99	11	19				
04.06.99	12	11				
05.06.99	9	12				
06.06.99	11	13				
07.06.99	10	11	1520			
08.06.99	12	14				
09.06.99	10	19				
10.06.99	13	20				
11.06.99	13	21				
12.06.99	13	21				
13.06.99	2	12	1538			
14.06.99	10	13				
15.06.99	12	19				
16.06.99	11	19				
17.06.99	4	12	1551			
18.06.99	10	12				
19.06.99	11	19				
20.06.99	12	19				
21.06.99	12	20				
22.06.99	12	13				
23.06.99	10	18	1563			
24.06.99	11	19				
25.06.99	11	19				
26.06.99	14	19				
27.06.99	12	11				
28.06.99	1	11	1579			
29.06.99	10	12				
30.06.99	14	20	1590			
01.07.99	10	18				
02.07.99	10	12				
03.07.99	13	20				
04.07.99	13	20				
05.07.99	12	20				
06.07.99	11	19				
07.07.99	11	18				
08.07.99	2	12	1615			
09.07.99	12	18				
10.07.99	12	19				
11.07.99	12	20				
12.07.99	12	20				
13.07.99	2	11	1624			
14.07.99	12	18				
15.07.99	12	18				
16.07.99	13	19				
17.07.99	13	20				
18.07.99	11	18				
19.07.99	11	18	1638			
20.07.99	12	19				
21.07.99	13	20				
22.07.99	12	19				
23.07.99	3	11	1651			
24.07.99	10	12				
25.07.99	11	12				
26.07.99	13	19				

APPENDIX Q CASE STUDY FARM SOIL TENSION - FARM 10 - ALFALFA

27.07.99	13	19				
28.07.99	12	19	1662			
29.07.99	10	12				
30.07.99	11	19				
31.07.99						
01.08.99	11	18				
02.08.99	11	16				
03.08.99	14	20				
04.08.99	1	11	1677			
05.08.99	11	19				
06.08.99	12	19				
07.08.99	11	20				
08.08.99	10	13	1691			
09.08.99	11	19				
10.08.99	12	19				
11.08.99	11	13				
12.08.99	11	19				
13.08.99	12	18	1694			
14.08.99	11	18				
15.08.99	11	13				
16.08.99	12	19				
17.08.99	12	19				
18.08.99	2	10	1711			
19.08.99	11	18				
20.08.99	11	19				
21.08.99	12	19				
22.08.99	11	18				
23.08.99	12	19				
24.08.99	4	12	1723			
25.08.99	11	19				
26.08.99	12	18				
27.08.99	11	18				
28.08.99	11	19				
29.08.99	5	10				
30.08.99	11	12	1738			
31.08.99						
01.09.99	19	19				
02.09.99	12	18				
03.09.99	10	13	1756			
04.09.99	11	18				
05.09.99	10	13				
06.09.99	11	19				
07.09.99	12	19				
08.09.99	3	12	1774			
09.09.99	12	19				
10.09.99	11	18				
11.09.99	10	18				
12.09.99	10	19				
13.09.99	12	20				
14.09.99	13	20				
15.09.99	18	20				
16.09.99	18	21				
17.09.99	10	12	1795			
18.09.99	10	12				
19.09.99	11	19				
20.09.99	12	18	1795			

APPENDIX Q CASE STUDY FARM SOIL TENSION - FARM 10 - ALFALFA

21.09.99	10	12				
22.09.99	18	19				
23.09.99	18	19				
24.09.99	11	18				
25.09.99	12	18				
26.09.99	12	19				
27.09.99	13	20				
28.09.99	11	13	1811			
29.09.99	12	18				
30.09.99	11	18				

APPENDIX Q CASE STUDY SOIL TENSION FARM 11 - ALFALFA

Date	30cm-am	60cm-am	30cm-pm	60cm-pm	Time	Meter
09.04.99	42	20			1:30	3770
10.04.99	12	20				3770
11.04.99	10	17			1:30	3792
12.04.99	11	18				3792
13.04.99	13	19				3792
14.04.99	13	18				3792
15.04.99	8	17			1:30	3839
16.04.99	18	18				
17.04.99	20	18				
18.04.99						
19.04.99	10	18				
20.04.99	12	18			1:30	3885
21.04.99	10	18				
22.04.99	20	16	19	60		
23.04.99	20	22	68	53		
24.04.99	20	45	23	68		
25.04.99	8	20	20	17	1:30	3936
26.04.99	8	18	13	18		
27.04.99	15	20	28	22		
28.04.99	20	20	45	23		
29.04.99	45	23	8	15	1:30	3987
30.04.99	8	15	11	18		
01.05.99	0	15	18	22		
02.05.99	8	15	18	18		
03.05.99	18	9	18	15	1:30	4038
04.05.99	10	18	12	22		
05.05.99	15	20	18	22		
06.05.99	15	15	20	20		
07.05.99	10	15	18	20		4084
08.05.99	15	15	18	20		
09.05.99	10	15	18	22		
10.05.99	18	20	20	22		
11.05.99	15	20	18	22		
12.05.99	10	10	15	18		
13.05.99	10	20	18	22		
14.05.99	15	15	20	22		
15.05.99	0	10	0	22		4241
16.05.99	10	20	15	22		
17.05.99	15	15	18	22		
18.05.99	10	18	18	22		
19.05.99	15	40	20	22		
20.05.99	18	45	22	22		4284
21.05.99	10	18	15	22		
22.05.99	10	15	18	20		
23.05.99	20	20	22	22		
24.05.99	0	30	0	22		
25.05.99	10	45	15	22		4328
26.05.99	18	0	20	0		
27.05.99	22	18	22	22		
28.05.99	10	18	18	18		
29.05.99	10	35	15	22		
30.05.99	15	20	18	22		4384

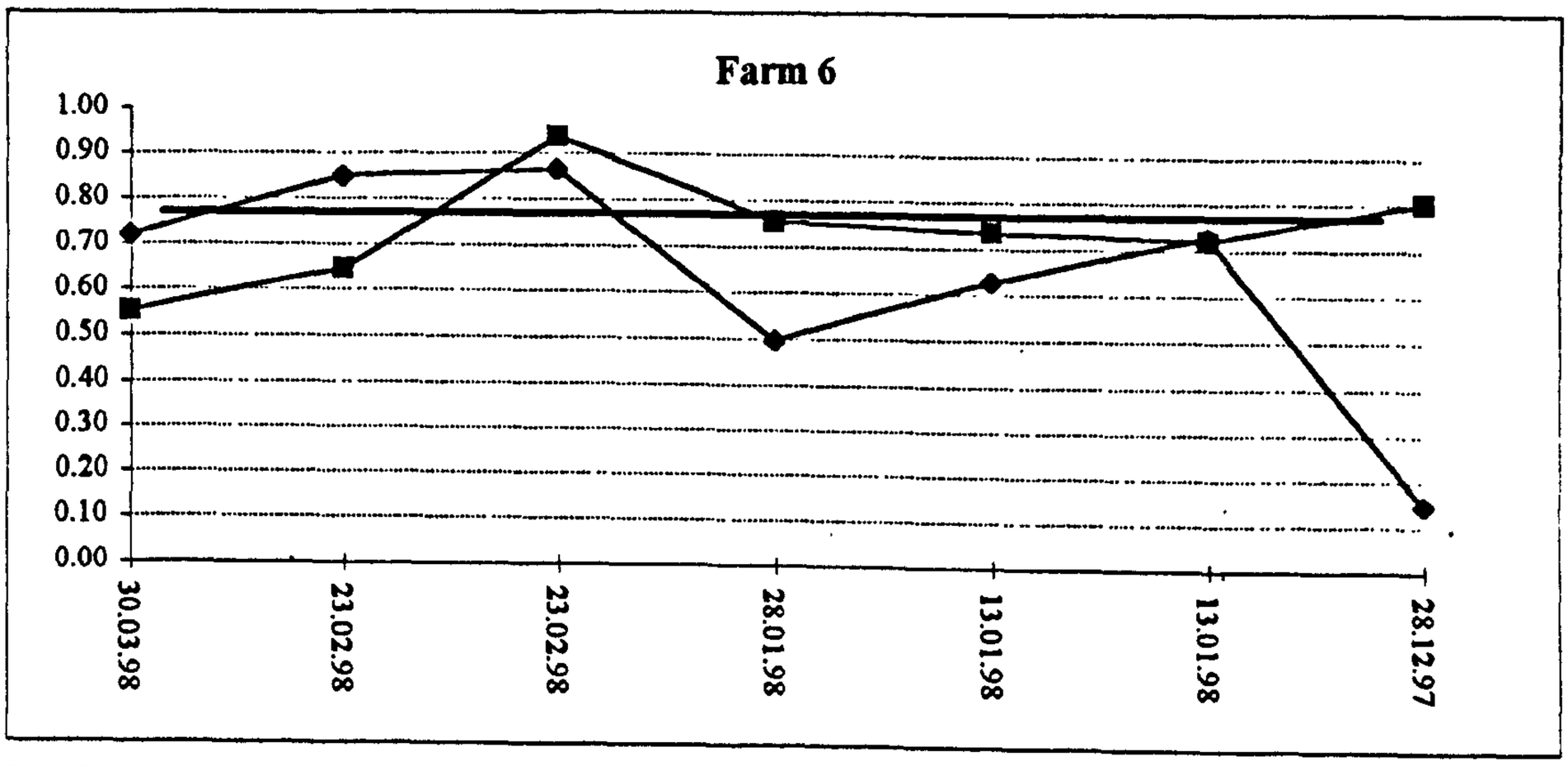
APPENDIX Q CASE STUDY SOIL TENSION FARM 11 - ALFALFA

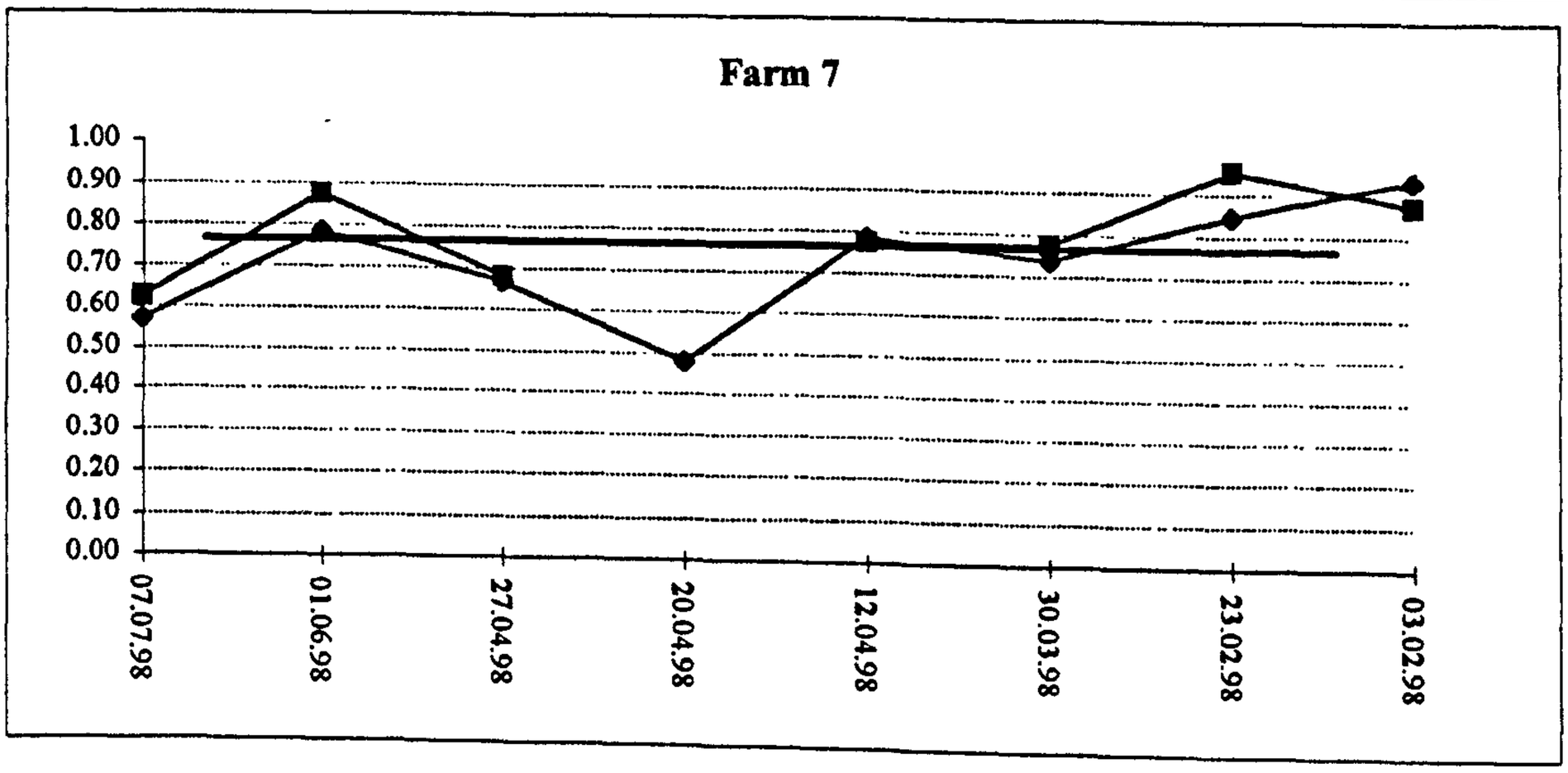
Date	30cm-am	60cm-am	30cm-pm	60cm-pm	Time	Meter
31.05.99	10	18	15	22		
13.06.99	0	20	25	20		
14.06.99	15	18	35	22		
15.06.99	10	18	40	20		
16.06.99	0	18	20	18		
17.06.99	15	18	20	18		
18.06.99	20	22	45	22		
19.06.99	30	22	35	20		
20.06.99	0	18	25	20		
21.06.99	10	18	20	20		
22.06.99	15	18	25	20		
23.06.99	15	18	35	22		
24.06.99	0	18	40	20		
25.06.99	10	18	20	22		
26.06.99	20	20	25	22		
27.06.99	22	22	35	20		
28.06.99	15	18	25	22		
29.06.99	10	18	40	22		
30.06.99	20	22	35	22		
01.07.99	15	18	20	20		
02.07.99	20	20	40	20		
03.07.99	15	18	40	22		
04.07.99	20	22	35	22		
05.07.99	0	20	25	20		
06.07.99	10	18	40	22		
07.07.99	20	22	35	22		
08.07.99	20	20	20	22		
09.07.99	10	20	35	22		
10.07.99	15	18	40	20		
11.07.99	30	22	25	20		
12.07.99	15	18	20	20		
13.07.99	15	18	35	22		
14.07.99	10	20	20	22		
15.07.99	0	22	18	22		
16.07.99	10	20	40	20		
17.07.99	15	18	35	22		
18.07.99	15	18	25	20		
19.07.99	20	22	20	20		
20.07.99	25	20	30	20		
21.07.99	0	22	40	22		
22.07.99	10	20	20	20		
23.07.99	15	18	18	22		
24.07.99	20	22	20	20		
25.07.99	20	22	25	20		
26.07.99	10	22	45	20		
27.07.99	20	20	20	22		
28.07.99	10	20	45	20		
29.07.99	20	18	30	22		
30.07.99	0	20	30	22		
31.07.99	10	18	40	20		

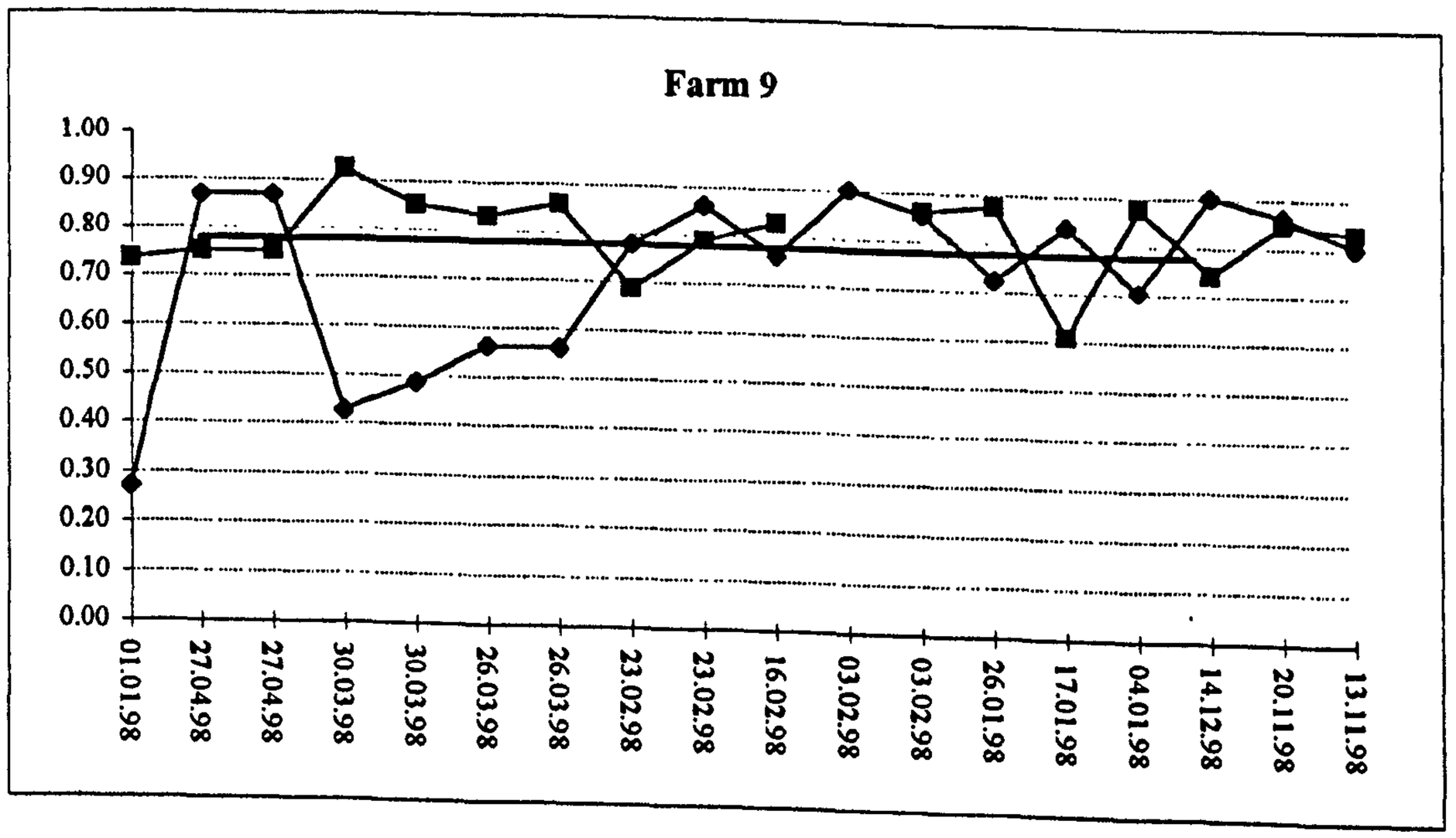
APPENDIX R

COEFFICIENT OF UNIFORMITY
SPRINKLERS ON CASE STUDY FARMS

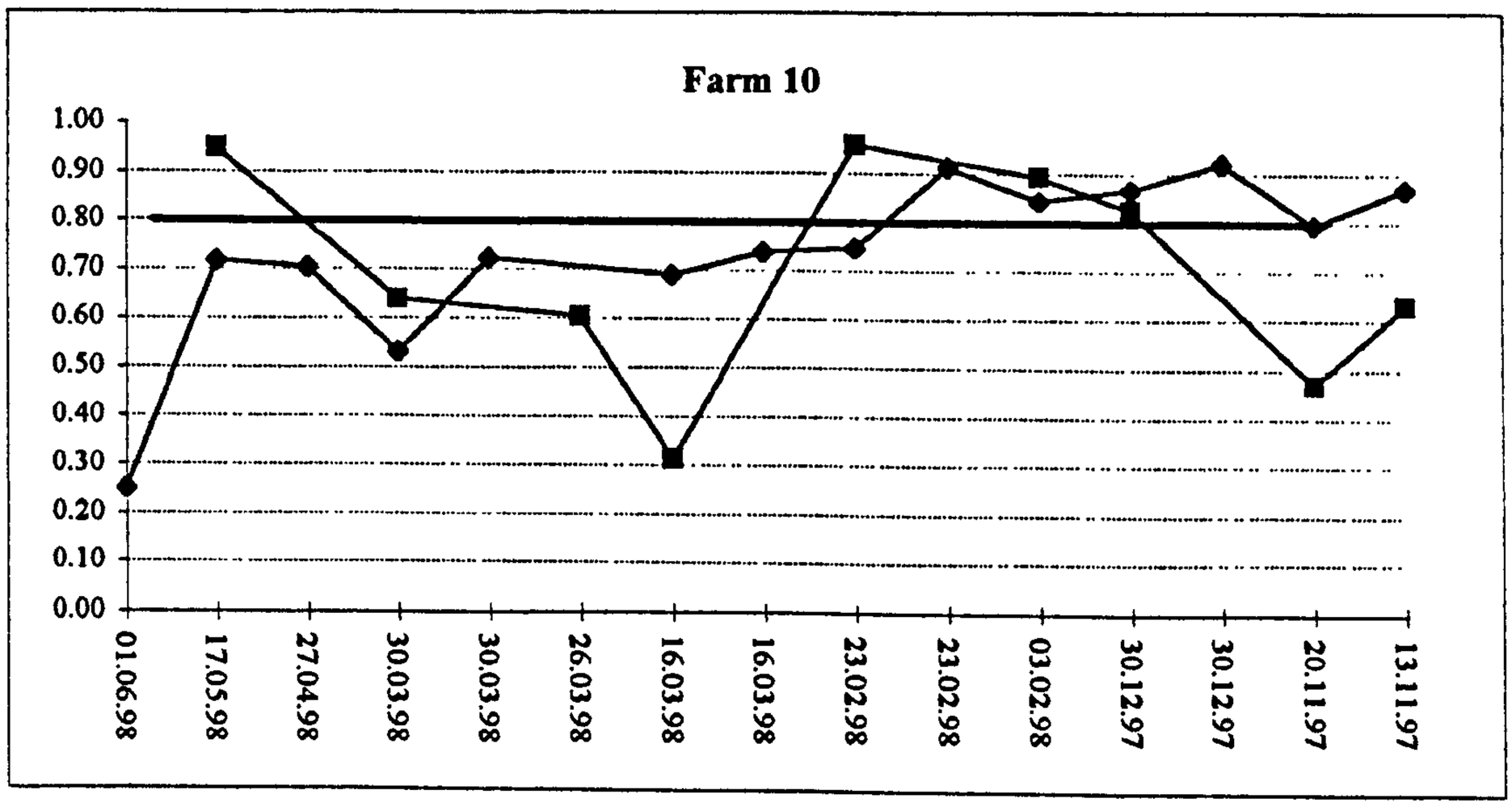
APPENDIX R CATCH-CAN MEASUREMENTS FOR SPRINKLER - ALL FARMS

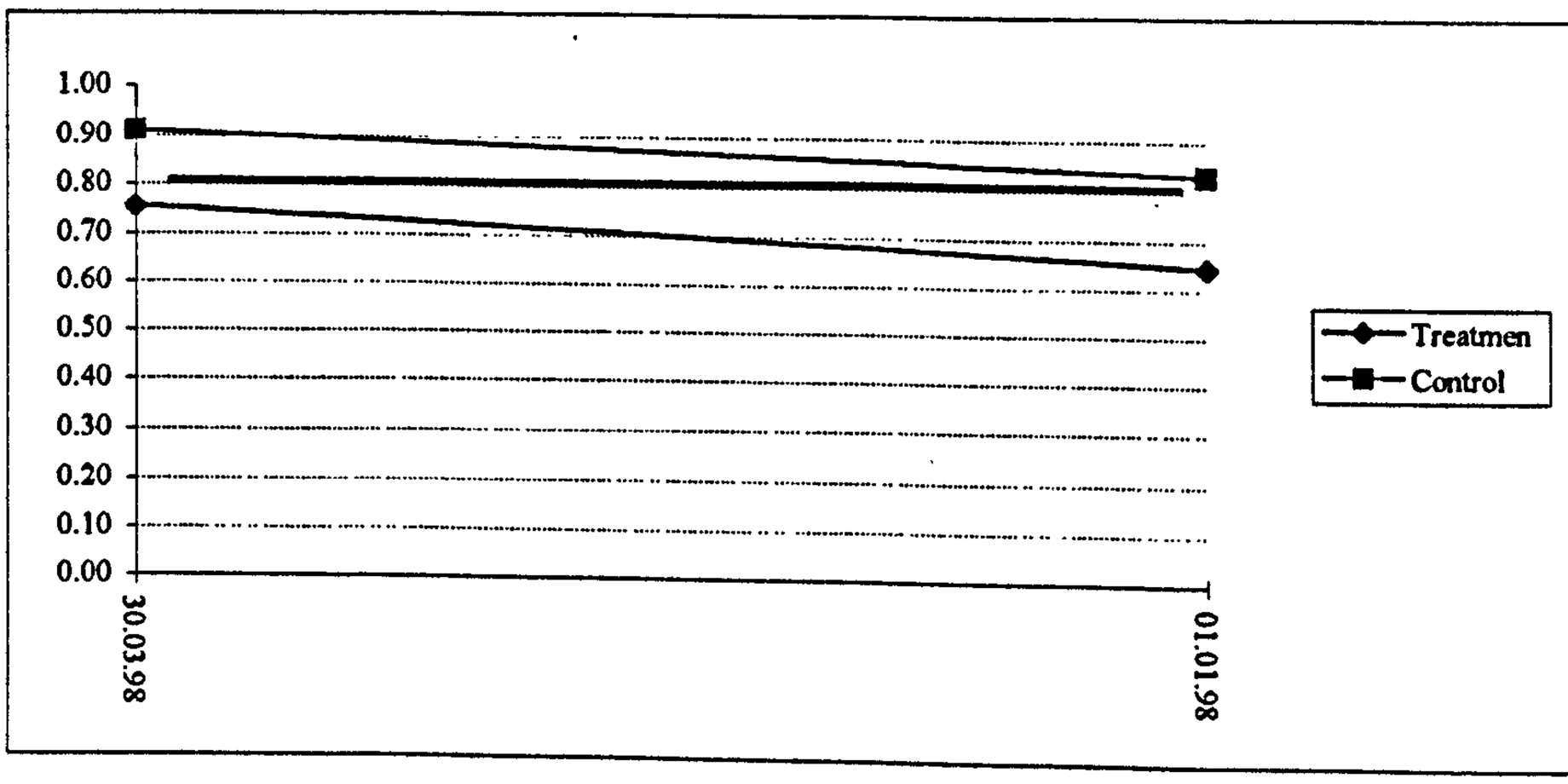






APPENDIX C: CATCH-CAN MEASUREMENTS FOR SPRINKLER - ALL FARMS





APPENDIX R CATCH-CAN MEASUREMENTS FOR SPRINKLERS - FARM 6

30.03.98	Treatment	Variation	Control	Variation	
1	270	199	1090	413	
2	550	81	870	193	
3	405	64	650	28	
4	650	181	100	578	
Mean	469	525	678	1210	
CU	0.72		0.55		
23.02.98	Treatment	Variation	Control	Variation	
1	190	66	225	65	
2	275	19	495	205	
3	245	11	155	135	
4	315	59	285	5	
Mean	256	155	290	410	
CU	0.85		0.65		
23.02.98	Treatment	Variation	Control	Variation	
1	163	11	200	27	
2	210	36	174	1	
3	150	24	170	3	
4			167	6	
5			155	18	
Mean	174	71	173	55	
CU	0.86		0.94		
28.01.98	Treatment	Variation	Control	Variation	
1	63	40	211	53	
2	180	77	200	42	
3	65	38	109	49	
4			138	20	
5			130	28	
Mean	103	155	158	192	
CU	0.50		0.76		
13.01.98	Treatment	Variation	Control	Variation	
1	50	19	44	12	
2	108	39	93	37	
3	50	19	55	1	
4			43	13	
5			45	11	
Mean	69	77	56	74	
CU	0.63		0.74		

APPENDIX R CATCH-CAN MEASUREMENTS FOR SPRINKLERS - FARM 6

13.01.98	Treatment	Variation	Control	Variation	
1	220	72	55	6	
2	245	47	45	16	
3	410	118	80	19	
4			40	21	
5			84	23	
Mean	292	237	61	85	
CU	0.73		0.72		
28.12.97	Treatment	Variation	Control	Variation	
1	9	48	90	25	
2	130	73	71	6	
3	32	25	61	4	
4			43	22	
5			58	7	
Mean	57	146	65	64	
CU	0.15		0.80		
Date	Treatment	Control	Average		
30.03.98	0.72	0.55	0.64		
23.02.98	0.85	0.65	0.75		
23.02.98	0.86	0.94	0.90		
28.01.98	0.50	0.76	0.63		
13.01.98	0.63	0.74	0.68		
13.01.98	0.73	0.72	0.73		
28.12.97	0.15	0.80	0.47		

APPENDIX 8 CATCH-CAN MEASUREMENTS FOR SPRINKLERS - FARM 7

07.07.98	Treatment	Variation	Control	Variation		Date	Treatment	Control
1	290	530	890	237		07.07.98	0.57	0.62
2	970	150	785	132		01.06.98	0.79	0.87
3	1200	380	285	368		27.04.98	0.67	0.68
Mean	820	1060	653	737		20.04.98	0.48	
CU	0.57		0.62			12.04.98	0.79	0.77
						30.03.98	0.74	0.77
01.06.98	Treatment	Variation	Control	Variation		23.02.98	0.85	0.95
1	820	390	1090	80		03.02.98	0.93	0.87
2	1340	130	1120	110		Average	0.76	
3	1470	260	820	190				
Mean	1210	780	1010	380				
CU	0.79		0.87					
27.04.98	Treatment	Variation	Control	Variation				
1	60	60	170	45				
2	140	20	141	16				
3	160	40	65	60				
Mean	120	120	125	121				
CU	0.67		0.68					
20.04.98	Treatment	Variation	Control	Variation				
1	19	68		#VALUE!				
2	119	32		#VALUE!				
3	122	35		#VALUE!				
Mean	87	135		#VALUE!				
CU	0.48		#VALUE!					
12.04.98	Treatment	Variation	Control	Variation				
1	190	90	295	15				
2	320	40	360	80				
3	330	50	185	95				
Mean	280	180	280	190				
CU	0.79		0.77					
30.03.98	Treatment	Variation	Control	Variation				
1	300	183	350	38				
2	475	8	520	132				
3	675	192	295	93				
Mean	483	383	388	263				
CU	0.74		0.77					
23.02.98	Treatment	Variation	Control	Variation				
1	160	32	170	3				
2	180	12	186	13				
3	237	45	164	9				
Mean	192	89	173	25				
CU	0.85		0.95					

APPENDIX R, CATCH-CAN MEASUREMENTS FOR SPRINKLERS - FARM 7

03.02.98	Treatment	Variation	Control	Variation				
1	280	23	305	38				
2	335	32	410	67				
3	295	8	315	28				
Mean	303	63	343	133				
CU	0.93		0.87					

APPENDIX 8. CATCH-CAN MEASUREMENTS FOR SPRINKLERS - FARM 9

01.01.98	Treatment	Variation	Control	Variation		Date	Treatment	Control
1	110	758	1090	95		01.01.98	0.27	0.73
2	360	508	870	315		27.04.98	0.87	0.75
3	240	628	650	535		27.04.98	0.87	0.75
4	1500	632	1500	315		30.03.98	0.43	0.93
5	1500	632	1500	315		30.03.98	0.49	0.85
6	1500	632	1500	315		26.03.98	0.56	0.83
Mean	868	3790	1185	1890		26.03.98	0.56	0.86
CU	0.27		0.73			23.02.98	0.78	0.69
						23.02.98	0.86	0.79
						16.02.98	0.76	0.83
27.04.98	Treatment	Variation	Control	Variation		03.02.98	0.90	
1	575	43	825	108		03.02.98	0.85	0.86
2	355	178	295	422		26.01.98	0.73	0.88
3	520	13	735	18		17.01.98	0.84	0.61
4	645	113	985	268		04.01.98	0.70	0.88
5	585	53	860	143		14.12.98	0.90	0.74
6	515	18	600	117		20.11.98	0.87	0.85
Mean	533	415	717	1077		13.11.98	0.80	0.83
CU	0.87		0.75					
27.04.98	Treatment	Variation	Control	Variation				
1	575	43	825	108				
2	355	178	295	422				
3	520	13	735	18				
4	645	113	985	268				
5	585	53	860	143				
6	515	18	600	117				
Mean	533	415	717	1077				
CU	0.87		0.75					
30.03.98	Treatment	Variation	Control	Variation				
1	26	53	140	9				
2	64	15	142	7				
3	147	68	166	17				
Mean	79	136	149	33				
CU	0.43		0.93					
30.03.98	Treatment	Variation	Control	Variation				
1	18	61	126	32				
2	80	1	193	35				
3	138	59	155	3				
Mean	79	121	158	70				
CU	0.49		0.85					
26.03.98	Treatment	Variation	Control	Variation				
1	545	353	735	250				
2	660	238	1050	65				
3	1490	592	1170	185				
Mean	898	1183	985	500				
CU	0.56		0.83					

APPENDIX R CATCH-CAN MEASUREMENTS FOR SPRINKLERS - FARM 9

26.03.98	Treatment	Variation	Control	Variation				
1	415	485	860	230				
2	790	110	1120	30				
3	1495	595	1290	200				
Mean	900	1190	1090	460				
CU	0.56		0.86					
23.02.98	Treatment	Variation	Control	Variation				
1	355	88	315	280				
2	205	62	660	65				
3	240	27	810	215				
Mean	267	177	595	560				
CU	0.78		0.69					
23.02.98	Treatment	Variation	Control	Variation				
1	320	55	485	223				
2	225	40	725	17				
3	250	15	915	207				
Mean	265	110	708	447				
CU	0.86		0.79					
16.02.98	Treatment	Variation	Treatment	Variation				
1	255	142	410	63				
2	415	18	415	58				
3	520	123	595	122				
Mean	397	283	473	243				
CU	0.76		0.83					
03.02.98	Treatment	Variation	Control	Variation				
1	410	5						
2	360	55						
3	475	60						
Mean	415	120						
CU	0.90							
03.02.98	Treatment	Variation	Control	Variation				
1	370	82	295	30				
2	435	17	210	55				
3	550	98	290	25				
Mean	452	197	265	110				
CU	0.85		0.86					
26.01.98	Treatment	Variation	Control	Variation				
1	208	32	240	20				
2	218	22	220	40				
3	150	90	260	0				
4	405	165	340	80				
5	220	20	240	20				
Mean	240	330	260	160				

APPENDIX R. CATCH-CAN MEASUREMENTS FOR SPRINKLERS - FARM 9

CU	0.73		0.88					
17.01.98	Treatment	Variation	Control	Variation				
1	155	31	250	7				
2	155	31	90	153				
3	244	58	157	86				
4	172	14	378	135				
5	205	19	338	95				
Mean	186	153	243	476				
CU	0.84		0.61					
04.01.98	Treatment	Variation	Control	Variation				
1	590	84	595	76				
2	220	286	430	89				
3	418	88	450	69				
4	790	284	590	71				
5	510	4	530	11				
Mean	506	746	519	316				
CU	0.70		0.88					
14.12.98	Treatment	Variation	Control	Variation				
1	1135	94	1500	530				
2	990	51	833	137				
3	843	198	614	356				
4	1100	59	1060	90				
5	1139	98	841	129				
Mean	1041	500	970	1242				
CU	0.90		0.74					
20.11.98	Treatment	Variation	Control	Variation				
1	232	46	279	56				
2	260	18	205	18				
3	297	19	205	18				
4	249	29	175	48				
5	353	75	252	29				
Mean	278	187	223	169				
CU	0.87		0.85					
13.11.98	Treatment	Variation	Control	Variation				
1	143	65	384	110				
2	174	34	234	40				
3	300	92	280	6				
4	205	3	253	21				
5	220	12	220	54				
Mean	208	206	274	231				
CU	0.80		0.83					

APPENDIX R CATCH-CAN MEASUREMENTS FOR SPRINKLER - FARM 10

01.06.98	Treatment	Variation	Control	Variation	
1	390	81			
2	23	448			
3	1000	529			
Mean	471	1058			
CU	0.25				
17.05.98	Treatment	Variation	Control	Variation	
1	1077	51	775	68	
2	590	436	845	2	
3	1410	384	910	67	
Mean	1026	871	843	137	935
CU	0.72		0.95		
CU					
27.04.98	Treatment	Variation	Control	Variation	
1	760	40			
2	400	320	270		
3	1000	280	745		
Mean	720	640			
CU	0.70				
30.03.98	Treatment	Variation	Control	Variation	
1	100	238	163	100	
2	495	157	220	43	
3	420	82	405	142	
Mean	338	477	263	285	
CU	0.53		0.64		
30.03.98	Treatment	Variation			
1	240	172			
2	520	108			
3	475	63			
Mean	412	343			
CU	0.72				
26.03.98			Control	Variation	
			370	138	
			127	105	
			200	32	
			232	275	
			0.60		
16.03.98	Treatment	Variation	Control	Variation	
1	535	467	220	112	
2	1325	323	85	23	
3	1145	143	20	88	
Mean	1002	933	108	223	
CU	0.69		0.31		

APPENDIX R CATCH-CAN MEASUREMENTS FOR SPRINKLER - FARM 10

01.06.98	Treatment	Variation	Control	Variation	
1	390	81			
2	23	448			
3	1000	529			
Mean	471	1058			
CU	0.25				
17.05.98	Treatment	Variation	Control	Variation	
1	1077	51	775	68	
2	590	436	845	2	
3	1410	384	910	67	
Mean	1026	871	843	137	935
CU	0.72		0.95		
CU					
27.04.98	Treatment	Variation	Control	Variation	
1	760	40			
2	400	320	270		
3	1000	280	745		
Mean	720	640			
CU	0.70				
30.03.98	Treatment	Variation	Control	Variation	
1	100	238	163	100	
2	495	157	220	43	
3	420	82	405	142	
Mean	338	477	263	285	
CU	0.53		0.64		
30.03.98	Treatment	Variation			
1	240	172			
2	520	108			
3	475	63			
Mean	412	343			
CU	0.72				
26.03.98			Control	Variation	
			370	138	
			127	105	
			200	32	
			232	275	
			0.60		
16.03.98	Treatment	Variation	Control	Variation	
1	535	467	220	112	
2	1325	323	85	23	
3	1145	143	20	88	
Mean	1002	933	108	223	
CU	0.69		0.31		

APPENDIX R CATCH-CAN MEASUREMENTS FOR SPRINKLER - FARM 10

16.03.98	Treatment	Variation			
1	675	443			
2	1380	262			
3	1300	182			
Mean	1118	887			
CU	0.74				
23.02.98	Treatment	Variation	Control	Variation	
1	495	70	98	3	
2	780	215	108	7	
3	420	145	98	3	
Mean	565	430	101	13	
CU	0.75		0.96		
23.02.98	Treatment	Variation			
1	700	68			
2	870	102			
3	735	33			
Mean	768	203			
CU	0.91				
03.02.98	Treatment	Variation	Control	Variation	
1	275	85	365	70	
2	395	35	450	15	
3	410	50	490	55	
Mean	360	170	435	140	
CU	0.84		0.89		
30.12.97	Treatment	Variation	Control	Variation	
1	445	87	350	35	
2	392	34	230	85	
3	300	58	295	20	
4	350	8	282	33	
5	305	53	420	105	
Mean	358	240	315	278	
CU	0.87		0.82		
30.12.97	Treatment	Variation	Control	Variation	
1	1179	70	1500	0	
2	1100	149	1500	0	
3	1226	23	1500	0	
4	1500	251	1500	0	
5	1238	11	1500	0	
Mean	1249	503	1500	0	
CU	0.92		1.00		

APPENDIX R CATCH-CAN MEASUREMENTS FOR SPRINKLER - FARM 10

20.11.97	Treatment	Variation	Control	Variation	
1	320	11	1294	738	
2	320	11	475	81	
3	254	77	273	283	
4	260	71	386	170	
5	500	169	354	202	
Mean	331	338	556	1475	
CU	0.80		0.47		
13.11.97	Treatment	Variation	Control	Variation	
1	651	43	1096	327	
2	500	108	1032	263	
3	585	23	730	39	
4	764	156	892	123	
5	539	69	95	674	
Mean	608	399	769	1426	
CU	0.87		0.63		
Date	**Treatment**	**Control**			
01.06.98	0.25				
17.05.98	0.72	0.95			
27.04.98	0.70				
30.03.98	0.53	0.64			
30.03.98	0.72				
26.03.98		0.60			
16.03.98	0.69	0.31			
16.03.98	0.74				
23.02.98	0.75	0.96			
23.02.98	0.91				
03.02.98	0.84	0.89			
30.12.97	0.87	0.82			
30.12.97	0.92				
20.11.97	0.80	0.47			
13.11.97	0.87	0.63			
Average	**0.72**	**0.70**			
	0.72				

APPENDIX R CATCH-CAN MEASUREMENTS FOR SPRINKLER - FARM 11

30.03.98	Treatment	Variation	Control	Variation
1	790	460	1068	168
2	1445	195	1260	24
3	1515	265	1380	144
Mean	1250	920	1236	336
CU	0.75		0.91	
01.01.98	Treatment	Variation	Control	Variation
1	110	127	1090	220
2	360	123	870	0
3	240	3	650	220
Mean	237	253	870	440
CU	0.64		0.83	
Date	Treatment	Control		
30.03.98	0.75	0.91		
01.01.98	0.64	0.83		
Average	0.78			

APPENDIX S

COFFICIENT OF UNIFORMITY - SPRINKLERS ON SAMPLE FARMS

APPENDIX S SUMMARY OF COEFFICIENT OF UNIFORMITY - SPRINKLERS (20 FARMS)

Farm No.	Type	Make	EC	Width	Length	CU
001-005	Sprinkler	W/TEC 10-20		12.5	12.1	0.81
001-005	Sprinkler	W/TEC 10-20		12.5	12.0	0.87
001-005	Sprinkler	W/TEC 10-20		12.8	12.0	0.85
001-009	Sprinkler	WestAG S202-2	940	12.0	11.8	0.75
001-009	Sprinkler	Nelson F33		12.3	12.0	0.86
001-009	Sprinkler	Nelson F33		12.2	12.0	0.82
001-023	Sprinkler	Premier 110	2,700	12.0	11.7	0.83
001-023	Sprinkler	Premier 110		12.0	12.0	0.72
001-023	Sprinkler	Premier 110		12.0	12.0	0.91
001-024	Sprinkler	WestAG S202-2	3,170	11.9	12.6	0.72
001-024	Sprinkler	WestAG S202-2		12.0	12.4	0.67
001-024	Sprinkler	WestAG S202-2		11.8	12.5	0.51
001-025	Spray Gun	S273	1,980			0.23
001-025	Spray Gun	S273				0.74
001-025	Spray Gun	S273				0.82
002-002	Sprinkler	Somlo	7,220	11.8	10.9	0.79
002-002	Sprinkler	Somlo		11.8	11.5	0.70
002-002	Sprinkler	Somlo		11.9	12.1	0.79
002-009	Sprinkler	WestAG S202-2	9,050	12.0	11.7	0.90
002-009	Sprinkler	WestAG S202-2		12.2	11.8	0.71
002-009	Sprinkler	WestAG S202-2		12.0	11.8	0.76
002-010	Sprinkler	WestAG S202-2	3,270	15.5	15.1	0.80
002-010	Sprinkler	WestAG S202-2		12.6	15.3	0.66
002-010	Sprinkler	WestAG S202-2		10.4	15.0	0.64
002-012	Sprinkler	Nelson F33	2,650	18.6	18.1	0.87
002-012	Sprinkler	Nelson F33		18.3	18.0	0.91
002-012	Sprinkler	Nelson F33		17.8	17.7	0.85
002-022	Sprinkler	WestAG S202-2	1,870	13.8	14.2	0.88
002-022	Sprinkler	WestAG S202-2		13.8	14.0	0.93
002-022	Sprinkler	WestAG S202-2		13.9	14.2	0.77
002-027	Sprinkler	Nelson F33	1,610	16.1	16.0	0.81
002-027	Sprinkler	Nelson F33		16.3	16.0	0.69
002-027	Sprinkler	Nelson F33		15.9	15.8	0.57
002-047	Sprinkler	W/TEC 10-20	5,460	12.0	12.0	0.91
002-047	Sprinkler	W/TEC 10-20		12.0	12.0	0.72
002-047	Sprinkler	W/TEC 10-20		12.0	12.0	0.65
002-053	Sprinkler	RC 130H		12.2	12.0	0.85
002-053	Sprinkler	RC 130H				0.83
002-053	Sprinkler	RC 130H				0.88
002-057	Sprinkler	WestAG S201-2x	2,290	12.2	12.0	0.69
002-057	Sprinkler	WestAG S201-2x		12.5	11.8	0.43
002-057	Sprinkler	WestAG S201-2x		12.8	12.0	0.33
002-059	Sprinkler	WestAG S201-2x	5,300	11.8	15.8	0.28
002-059	Sprinkler	WestAG S201-2x		19.0	11.9	0.18
002-059	Sprinkler	WestAG S201-2x		20.0	11.9	0.47
002-068	Sprinkler	Nelson F33	1,150	13.7	16.2	0.91
002-068	Sprinkler	Nelson F33		14.2	16.2	0.87
002-068	Sprinkler	Nelson F33		12.8	16.5	0.51
002-089	Sprinkler	Regren Greece B84	2,940	20.0	18.0	0.65
002-089	Sprinkler	Regren Greece B84		20.5	17.0	0.76
002-089	Sprinkler	Regren Greece B84		17.5	17.0	0.68
002-096	Centre Pivot	Reinke	880			0.82
002-096	Centre Pivot	Reinke				0.97
002-096	Centre Pivot	Reinke				0.91

APPENDIX S SUMMARY OF COEFFICIENT OF UNIFORMITY - SPRINKLERS (20 FARMS)

Farm No.	Type	Make	EC	Width	Length	CU
002-111	Sprinkler	W/TEC 10-20	2,200	11.7	11.6	0.84
002-111	Sprinkler	W/TEC 10-20		12.0	12.0	0.91
002-111	Sprinkler	W/TEC 10-20		12.0	11.9	0.77
002-112	Sprinkler	Nelson F33	3,860			0.28
002-112	Centre Pivot					0.09
002-112	Centre Pivot					0.41
					Average	**0.71**

APPENDIX T

COEFFICIENT OF UNIFORMITY - BUBBLERS ON SAMPLE FARMS

APPENDIX T: COEFFICIENT OF UNIFORMITY - BUBBLERS

Farm No.	Make	Crop	Sample No	CU
001-001	Fitco	Dates	6	0.91
001-001	Fitco	Dates	6	0.80
001-001	Fitco	Lemon	6	0.76
001-001	Fitco	Lemon	6	0.76
001-001	Fitco	Mango	6	0.43
001-001	Fitco	Mango	6	0.62
001-006	Fitco	Mango	8	0.89
001-006	Fitco	Mango	8	0.89
001-006	Fitco	Lemon	8	0.84
001-006	Fitco	Lemon	4	0.88
001-006	Fitco		8	0.77
001-007	Fitco	Mango	6	0.96
001-007	Fitco	Mango	6	0.92
001-007	Fitco	Lemon	6	0.86
001-007	Fitco	Dates	6	0.93
001-007	Fitco	Dates	6	0.85
001-009	Mais KSA	Mango	8	0.92
001-009	Mais KSA	Dates	6	0.93
001-009	Mais KSA	Dates	6	0.88
001-009	Mais KSA	Mango	8	0.87
002-016	RIS		7	0.71
002-016	RIS	Dates	8	0.83
002-016	RIS		8	0.59
001-018	Gaza	Dates	6	0.93
001-018	Gaza	Dates	6	0.92
001-018	Gaza	Lemon	6	0.97
001-018	Gaza	Lemon	6	0.89
001-018	Gaza	Mango	6	0.95
001-018	Gaza	Mango	6	0.89
001-021	RIS	Mango	6	0.97
001-021	RIS	Mango	6	0.92
001-021	RIS	Lemon	6	0.79
001-021	RIS	Lemon	6	0.36
001-021	RIS	Mango	8	0.81
002-054	Mais KSA	Lemon	7	0.79
002-054	Mais KSA.	Dates	8	0.88
002-054	Mais KSA	Mango	8	0.72
002-060	Glendora		7	0.74
002-060	Glendora	Dates	7	0.60
002-060	Glendora		7	0.75
002-065	Al Wassel	Mango	7	0.78
002-065	Al Wassel	Mango	8	0.92
002-065	Al Wassel	Mango	8	0.94
002-067	Mais KSA	Dates	8	0.53
002-067	Mais KSA	Mango	8	0.63
002-067	Mais KSA	Dates	6	0.80

APPENDIX ٦ COEFFICIENT OF UNIFORMITY - BUBBLERS

Farm No.	Make	Crop	Sample No	CU
002-070	Irridelco	Dates	6	0.86
002-070	Irridelco	Dates	6	0.88
002-070	Irridelco		6	0.72
002-070	Irridelco		6	0.66
002-070	Irridelco	Lemon	6	0.72
002-070	Irridelco	Lemon	6	0.72
002-072	Fitco	Mango	6	0.85
002-072	Fitco	Mango	6	0.93
002-072	Fitco	Dates	6	0.92
002-072	Fitco	Dates	6	0.95
002-072	Fitco	Mango	6	0.81
002-072	Fitco	Mango	6	0.70
002-074	Al Wassel	Dates	6	0.82
002-074	Al Wassel	Dates	6	0.92
002-074	Al Wassel	Pomeg.	6	0.92
002-074	Al Wassel	Pomeg.	6	0.84
002-074	Al Wassel	Dates	6	0.92
002-074	Al Wassel	Dates	6	0.97
002-076	Glendora	Dates	8	0.45
002-076	Glendora	Lemon	8	0.88
002-076	Glendora		8	0.89
002-081	Fitco	Lemon	6	0.92
002-081	Fitco	Lemon	6	0.93
002-081	Fitco	Dates	6	0.86
002-081	Fitco	Dates	6	0.91
002-081	Fitco		6	0.89
002-081	Fitco		6	0.87
002-092	Toro	Dates	7	0.63
002-092	Toro	Mango	7	0.79
002-092	Toro	Dates	6	0.83
002-097	Fitco	Lemon	7	0.58
002-097	Fitco		6	0.57
002-097	Fitco	Mango	7	0.67
002-097	Fitco	Mango	7	0.43
002-098	Richdel	Dates	8	0.79
002-098	Richdel	Mango	8	0.72
002-098	Richdel		8	0.93
002-114	Fitco	Dates	6	0.52
002-114	Fitco	Dates	6	0.46
002-114	Fitco	Mango	6	0.83
002-114	Fitco	Mango	6	0.82
002-114	Fitco	Dates	8	0.88
			AVERAGE	**0.80**

APPENDIX U

AVERAGE FARM IRRIGATION ELECTRICAL CONDUCTIVITY (ECav)

APPENDIX U AVERAGE FARM IRRIGATION ELECTRICAL CONDUCTIVITY (ECav) (uScm^{-1}) - PHASE 1

Farm No.	1994-95	1995-96	1996-97	1997-98	1998-99
001-001	1,673	1,548	1,472	1,613	1,598
001-003	2,847	2,908	2,953	3,381	3,279
001-004	1,291	1,065	1,076	1,118	1,051
001-005	4,254	4,387	4,415	4,494	4,675
001-006	876	894	931	991	963
001-007	2,565	2,265	2,281	2,271	2,264
001-008	810	819	837	851	844
001-009	1,142	1,132	1,157	1,286	1,347
001-010	1,076	1,090	1,459	1,428	1,377
001-011	1,033	953	881	928	941
001-012	2,152	2,740	2,763	2,380	2,275
001-013	2,080	2,313	2,402	2,466	2,549
001-015	5,381	6,542	6,739	7,000	6,989
001-016	9,385	11,091	10,592	9,952	11,984
001-017	2,168	2,043	2,024	2,092	2,008
001-018	1,625	1,649	1,604	1,554	1,494
001-019	1,666	1,651	1,744	1,829	1,829
001-020	1,579	1,553	1,564	1,722	1,779
001-021	1,692	1,870	1,467	1,525	1,370
001-022	2,550	3,709	4,384	5,331	6,637
001-023	3,510	3,682	3,957	4,058	4,220
001-024	2,595	2,739	2,888	3,000	3,052
001-025	1,853	1,605	1,956	1,842	1,912
001-026	9,524	12,876	15,919	21,352	21,353
001-027	954	991	947	950	940
Average	2,651	2,965	3,137	3,417	3,549
%		12	6	9	4
% Overall					34

APPENDIX U AVERAGE FARM IRRIGATION ELECTRICAL CONDUCTIVITY (ECav) ($uScm^{-1}$) - PHASE 2

Farm No	1996-97	1997-98	1998-99
002-001	993	991	927
002-002	6,498	6,788	6,957
002-003	4,497	4,252	4,073
002-004	3,052	3,378	3,618
002-005	1,893	2,035	2,272
002-006	5,363	6,418	6,896
002-007	2,068	2,385	3,449
002-008	3,697	5,506	5,264
002-009	6,633	8,191	9,310
002-010	2,870	2,836	2,776
002-011	1,589	1,662	1,679
002-012	1,727	2,012	2,471
002-013	3,992	4,673	5,790
002-014	2,560	2,407	2,357
002-015	2,512	3,229	4,558
002-016	2,033	2,482	2,707
002-017	7,423	7,388	8,551
002-018	3,104	2,900	2,814
002-019	3,388	3,500	3,506
002-020	8,652	9,103	10,000
002-021	1,170	1,174	1,019
002-022	1,651	1,716	1,728
002-023	1,619	1,689	1,692
002-024	976	969	971
002-025	1,275	1,356	1,462
002-026	1,332	1,350	1,334
002-027	1,557	1,335	1,315
002-028	1,316	1,416	1,455
002-029	11,269	12,162	12,489
002-030	6,671	6,671	6,671
002-031	10,770	11,883	11,497
002-033	8,014	12,006	12,614
002-034	3,155	6,761	9,208
002-035	8,642	9,048	10,042
002-036	9,468	11,151	15,590
002-037	16,938	16,938	16,938
002-038	8,410	9,420	10,282
002-039	11,724	16,803	19,212
002-040	4,090	4,795	5,370
002-041	6,987	8,260	7,410
002-042	10,263	12,429	10,992
002-043	11,667	13,846	15,934
002-044	11,668	12,395	13,855
002-045	12,352	14,854	16,452
002-046	10,873	12,710	12,710
002-047	3,388	4,128	4,735
002-048	9,043	11,453	14,080
002-049	8,971	10,984	10,583
002-050	13,176	14,080	12,969
002-051	9,703	8,815	8,093
002-052	1,849	1,976	1,815
002-053	1,619	1,586	1,543

APPENDIX U AVERAGE FARM IRRIGATION ELECTRICAL CONDUCTIVITY (ECav) (uScm^{-1}) - PHASE 2

Farm No	1996-97	1997-98	1998-99
002-054	1,662	1,646	1,635
002-055	3,070	2,958	2,986
002-056	893	1,032	1,073
002-057	1,543	1,554	1,552
002-058	2,637	2,717	2,682
002-059	3,150	3,535	4,062
002-060	3,994	4,631	5,151
002-061	4,010	4,380	4,482
002-062	1,508	1,798	2,110
002-063	1,099	993	1,019
002-064	1,291	1,409	1,705
002-065	1,022	1,089	1,159
002-066	828	818	814
002-067	665	703	735
002-068	953	1,011	1,061
002-069	2,784	4,002	5,400
002-070	2,838	3,024	3,236
002-071	5,692	7,710	9,755
002-072	2,422	2,872	3,375
002-073	2,162	2,238	2,482
002-074	1,591	1,611	1,561
002-075	890	928	931
002-076	971	1,019	1,110
002-077	690	743	700
002-078	732	724	697
002-079	615	609	616
002-080	769	777	929
002-081	497	530	540
002-082	575	612	636
002-083	1,142	1,296	1,148
002-084	1,278	1,351	1,445
002-086	1,163	1,267	1,462
002-087	634	638	694
002-088	1,199	1,885	2,024
002-089	1,443	1,535	1,870
002-090	1,174	1,274	1,182
002-091	4,549	4,554	4,990
002-092	2,622	3,802	4,651
002-093	957	1,100	1,164
002-094	814	835	2,536
002-095	783	798	731
002-096	706	732	745
002-097	807	850	856
002-098	1,284	1,376	1,356
002-099	1,095	1,171	1,148
002-100	974	963	999
002-101	1,159	1,215	1,218
002-102	4,049	5,578	7,463
002-103	8,740	8,740	8,740
002-104	7,645	6,457	8,178
002-105	8,980	15,044	19,474
002-106	13,291	14,838	14,838

APPENDIX U AVERAGE FARM IRRIGATION ELECTRICAL CONDUCTIVITY (ECav) ($uScm^{-1}$) - PHASE 2

Farm No	1996-97	1997-98	1998-99
002-107	7,885	8,712	9,741
002-108	11,171	13,530	14,681
002-109	6,858	7,315	7,690
002-110	12,137	13,386	16,054
002-111	5,713	5,470	5,981
002-112	5,400	6,356	7,541
002-113	5,795	6,998	7,278
002-114	4,211	4,687	5,145
002-115	2,944	3,270	3,270
	4,215	4,805	5,244
%		14	9
% Overall			24

APPENDIX V

TRENDS IN ABSTRACTION AND ECav

APPENDIX V TRENDS IN ABSTRACTION AND ECav

Farm No.	Crop Category	Abstraction (m^3y^{-1}) *		ECav (uScm-1) *		Abstraction Change (%)	ECav Change (%)
		Initial year	Final year	Initial year	Final year		
001-001	xx	105,005	108,660	1,673	1,598	3.48	-4.51
001-003	xx	191,304	241,006	2,847	3,279	25.98	15.16
001-004	xx	105,843	126,988	1,291	1,051	19.98	-18.61
001-005	xx	370,962	225,904	4,254	4,675	-39.10	9.90
001-006	xx	108,060	101,742	876	963	-5.85	9.88
001-007	aa	137,348	131,974	2,565	2,264	-3.91	-11.72
001-008	xx	92,820	133,103	810	844	43.40	4.18
001-009	gg	101,503	105,840	1,142	1,347	4.27	17.89
001-010	dd	35,614	75,873	1,076	1,377	113.04	27.94
001-011	xx	170,937	147,475	1,033	941	-13.73	-8.88
001-012	gg	151,169	110,548	2,152	2,275	-26.87	5.69
001-013	gg	733,803	596,899	2,080	2,549	-18.66	22.56
001-015	dd	41,571	42,974	5,381	6,989	3.37	29.87
001-016	dd	14,671	8,867	9,385	11,984	-39.56	27.69
001-017	zz	65,009	135,525	2,168	2,008	108.47	-7.39
001-018	zz	126,438	141,035	1,625	1,494	11.54	-8.08
001-019	xx	247,437	258,494	1,666	1,829	4.47	9.80
001-020	ww	81,633	97,424	1,579	1,779	19.34	12.70
001-021	xx	358,652	436,171	1,692	1,370	21.61	-19.00
001-022	xx	115,139	91,975	2,550	6,637	-20.12	160.23
001-023	gg	86,123	59,568	3,510	4,220	-30.83	20.23
001-024	gg	492,546	457,852	2,595	3,052	-7.04	17.63
001-025	gg	248,997	245,165	1,853	1,912	-1.54	3.17
001-026	xx	53,926	13,703	9,524	21,353	-74.59	124.21
001-027	ll	6,394	6,713	954	940	4.98	-1.42
002-001	dd	154,978	183,662	993	927	18.51	-6.70
002-002	xx	317,594	280,975	6,498	6,957	-11.53	7.06
002-003	ww	97,100	84,922	4,497	4,073	-12.54	-9.41
002-004	aa	407,240	321,755	3,052	3,618	-20.99	18.57
002-005	xx	45,416	57,956	1,893	2,272	27.61	20.03
002-006	xx	201,963	128,480	5,363	6,896	-36.38	28.57
002-007	aa	243,472	288,786	2,068	3,449	18.61	66.82
002-008	xx	142,916	19,465	3,697	5,264	-86.38	42.36
002-009	gg	469,844	334,201	6,633	9,310	-28.87	40.37
002-010	gg	283,153	199,407	2,870	2,776	-29.58	-3.27
002-011	xx	82,535	102,037	1,589	1,679	23.63	5.65
002-012	gg	342,803	377,739	1,727	2,471	10.19	43.13
002-013	aa	103,646	63,499	3,992	5,790	-38.73	45.05
002-014	xx	163,690	111,101	2,560	2,357	-32.13	-7.96
002-015	xx	107,667	136,247	2,512	4,558	26.54	81.45
002-016	xx	63,148	26,450	2,033	2,707	-58.11	33.11
002-017	aa	44,452	16	7,423	8,551	-99.96	15.20
002-018	zz	110,064	28,649	3,104	2,814	-73.97	-9.34
002-019	aa	45,742	42,513	3,388	3,506	-7.06	3.50
002-020	aa	147,813	136,564	8,652	10,000	-7.61	15.58
002-021	gg	155,471	155,649	1,170	1,019	0.11	-12.87
002-022	gg	136,146	138,033	1,651	1,728	1.39	4.63
002-023	xx	102,373	102,644	1,619	1,692	0.26	4.50
002-024	gg	155,022	147,871	976	971	-4.61	-0.48
002-025	xx	53,478	62,694	1,275	1,462	17.23	14.63

APPENDIX V TRENDS IN ABSTRACTION AND ECav

Farm No.	Crop Category	Abstraction (m^3y^{-1}) *		ECav (uScm-1) *		Abstraction Change (%)	ECav Change (%)
		Initial year	Final year	Initial year	Final year		
002-026	xx	378,033	424,997	1,332	1,334	12.42	0.17
002-027	gg	574,151	469,395	1,557	1,315	-18.25	-15.51
002-028	gg	853,050	850,390	1,316	1,455	-0.31	10.58
002-029	dd	22,598	18,339	11,269	12,489	-18.85	10.83
002-030	dd	121	-	6,671	6,671	-100.00	0.00
002-031	dd	23,394	14,837	10,770	11,497	-36.58	6.76
002-033	xx	71,479	44,002	8,014	12,614	-38.44	57.40
002-034	xx	67,721	69,336	3,155	9,208	2.38	191.86
002-035	xx	172,187	146,852	8.642	10,042	-14.71	16.20
002-036	aa	30,396	39,457	9,468	15,590	29.81	64.66
002-037	dd	20,300	2,697	16,938	16,938	-86.71	0.00
002-038	gg	129,069	26,733	8,410	10,282	-79.29	22.27
002-039	dd	71,141	59,185	11,724	19,212	-16.81	63.86
002-040	ww	590,951	494,602	4,090	5,370	-16.30	31.30
002-041	dd	13,153	11,783	6,987	7,410	-10.42	6.06
002-042	xx	86,120	35,910	10,263	10,992	-58.30	7.10
002-043	dd	21,067	8,549	11,667	15,934	-59.42	36.57
002-044	gg	55,069	39,098	11,668	13,855	-29.00	18.75
002-045	aa	60,924	53,549	12,352	16,452	-12.11	33.19
002-046	dd	20,080	-	10,873	12,710	-100.00	16.90
002-047	xx	212,247	207,363	3,388	4,735	-2.30	39.77
002-048	aa	180,695	97,444	9,043	14,080	-46.07	55.70
002-049	aa	170,825	122,656	8,971	10,583	-28.20	17.97
002-050	aa	169,089	63,129	13,176	12,969	-62.67	-1.57
002-051	aa	70,297	20,422	9,703	8,093	-70.95	-16.60
002-052	gg	125,236	159,437	1,849	1,815	27.31	-1.82
002-053	gg	162,769	192,776	1,619	1,543	18.44	-4.66
002-054	gg	130,225	106,912	1,662	1,635	-17.90	-1.61
002-055	dd	15,948	43,228	3,070	2,986	171.05	-2.74
002-056	xx	27,595	44,646	893	1,073	61.79	20.15
002-057	xx	97,709	96,074	1,543	1,552	-1.67	0.53
002-058	ww	138,595	4,600	2,637	2,682	-96.68	1.72
002-059	gg	192,488	117,499	3,150	4,062	-38.96	28.94
002-060	xx	113,241	25,724	3,994	5,151	-77.28	28.96
002-061	xx	173,838	140,802	4,010	4,482	-19.00	11.79
002-062	xx	43,456	31,337	1,508	2,110	-27.89	39.98
002-063	xx	74,342	76,562	1,099	1,019	2.99	-7.24
002-064	xx	123,571	117,271	1,291	1,705	-5.10	32.06
002-065	xx	60,679	54,021	1,022	1,159	-10.97	13.41
002-066	ll	296,619	360,071	828	814	21.39	-1.68
002-067	xx	56,792	74,598	665	735	31.35	10.53
002-068	xx	82,713	64,323	953	1,061	-22.23	11.38
002-069	gg	196,624	154,547	2,784	5,400	-21.40	94.00
002-070	xx	260,849	288,096	2,838	3,236	10.45	14.02
002-071	zz	117,885	81,370	5,692	9,755	-30.98	71.38
002-072	xx	331,015	157,609	2,422	3,375	-52.39	39.33
002-073	xx	140,197	133,968	2,162	2,482	-4.44	14.77
002-074	xx	129,386	164,981	1,591	1,561	27.51	-1.87
002-075	xx	137,675	171,639	890	931	24.67	4.60
002-076	xx	176,050	172,535	971	1,110	-2.00	14.33

APPENDIX V TRENDS IN ABSTRACTION AND ECav

Farm No.	Crop Category	Abstraction (m^3y^{-1}) *		ECav (uScm-1) *		Abstraction Change (%)	ECav Change (%)
		Initial year	Final year	Initial year	Final year		
002-077	xx	28,839	38,436	690	700	33.28	1.50
002-078	gg	70,668	59,460	732	697	-15.86	-4.80
002-079	gg	376,861	402,717	615	616	6.86	0.17
002-080	xx	161,827	109,408	769	929	-32.39	20.76
002-081	xx	146,877	180,941	497	540	23.19	8.76
002-082	xx	149,857	133,972	575	636	-10.60	10.67
002-083	xx	106,573	136,012	1,142	1,148	27.62	0.45
002-084	xx	448,060	426,785	1,278	1,445	-4.75	13.03
002-086	zz	168,636	175,224	1,163	1,462	3.91	25.70
002-087	xx	47,437	192,011	634	694	304.77	9.48
002-088	xx	225,160	190,828	1,199	2,024	-15.25	68.82
002-089	gg	364,794	361,410	1,443	1,870	-0.93	29.57
002-090	gg	417,191	321,297	1,174	1,182	-22.99	0.68
002-091	xx	173,620	144,432	4,549	4,990	-16.81	9.69
002-092	gg	347,414	247,904	2,622	4,651	-28.64	77.38
002-093	aa	116,705	44,793	957	1,164	-61.62	21.60
002-094	ll	40,105	63,537	814	2,536	58.43	211.57
002-095	zz	181,514	243,269	783	731	34.02	-6.63
002-096	gg	325,374	261,838	706	745	-19.53	5.63
002-097	gg	87,135	97,012	807	856	11.33	5.97
002-098	gg	316,077	329,153	1,284	1,356	4.14	5.61
002-099	xx	198,670	157,175	1,095	1,148	-20.89	4.80
002-100	zz	434,500	564,987	974	999	30.03	2.62
002-101	xx	93,706	183,201	1,159	1,218	95.51	5.11
002-102	xx	77,477	66,736	4,049	7,463	-13.86	84.30
002-103	xx	17,082	1,554	8,740	8,740	-90.90	0.00
002-104	xx	268,736	178,122	7,645	8,178	-33.72	6.97
002-105	ll	47,379	26,812	8,980	19,474	-43.41	116.86
002-106	zz	309,001	-	13,291	14,838	-100.00	11.64
002-107	gg	44,451	50,018	7,885	9,741	12.52	23.55
002-108	xx	215,152	178,050	11,171	14,681	-17.24	31.42
002-109	xx	51,238	52,166	6,858	7,690	1.81	12.13
002-110	gg	240,993	288,078	12,137	16,054	19.54	32.27
002-111	gg	84,488	59,192	5,713	5,981	-29.94	4.69
002-112	gg	377,589	403,407	5,400	7,541	6.84	39.66
002-113	gg	355,031	167,208	5,795	7,278	-52.90	25.60
002-114	xx	150,754	169,769	4,211	5,145	12.61	22.18
002-115	zz	23,981	6,102	2,944	3,270	-74.56	11.07
* Initial year 1994-95 Phase 1 farms and 1996-97 Phase 2 farms							
* Final year 1998-99							

APPENDIX W

CALCULATION OF CROP AND GROSS IRRIGATION REQUIREMENTS

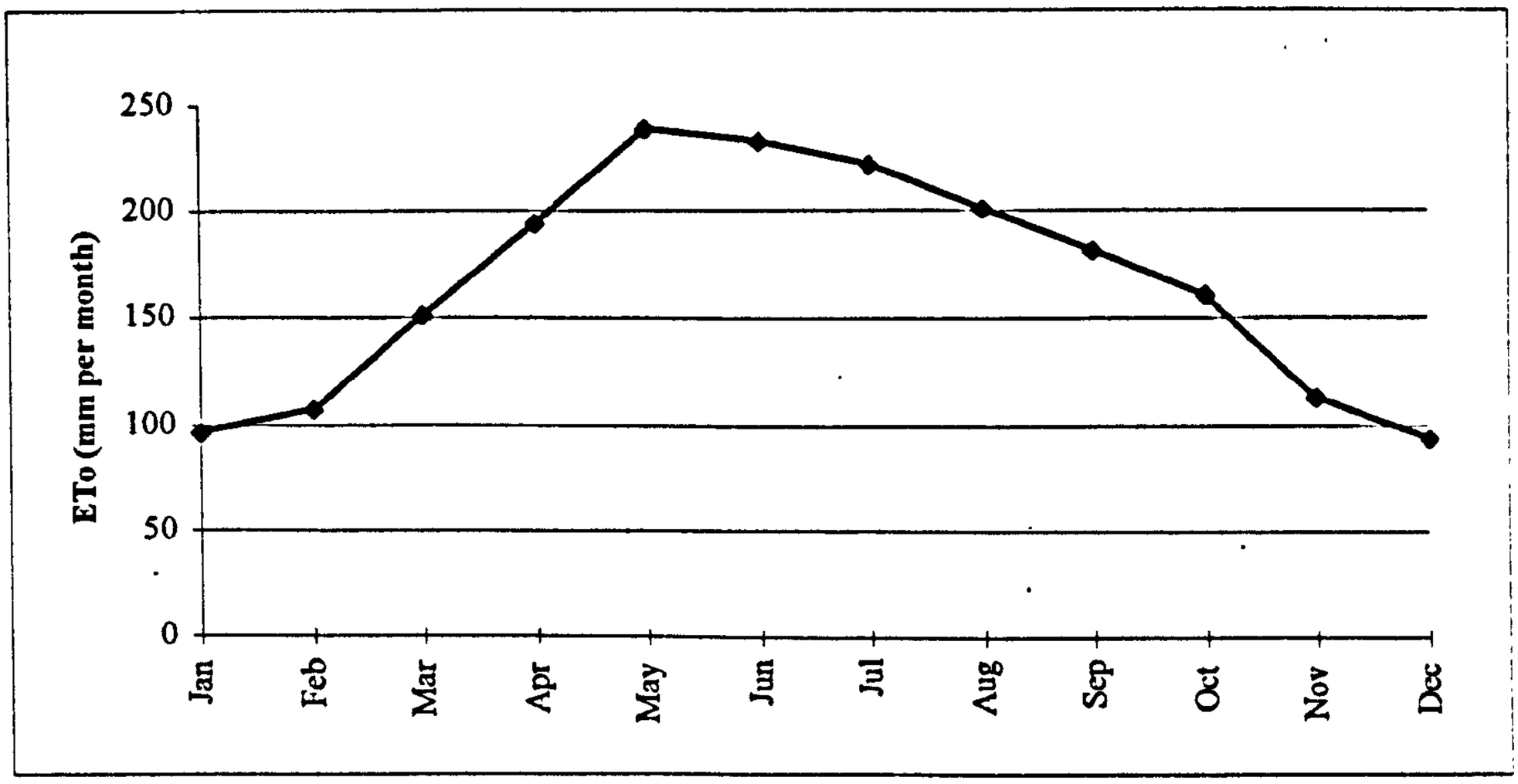


Figure 1 Reference ETo from Muladdah

Net cropped area (NA) was a proportion of the gross plot area, corrected to account for uncropped areas within the plot due to headlands, tracks, irrigation channels and bunds. For grass plots NA is 95% of the plot area. For all other crops (tree, fodder and vegetables) it is 80% of the plot area.

Monthly crop coefficient (Kc) values (Figure 2) were derived from FAO Irrigation and Drainage publication no. 24 (FAO, 1984).

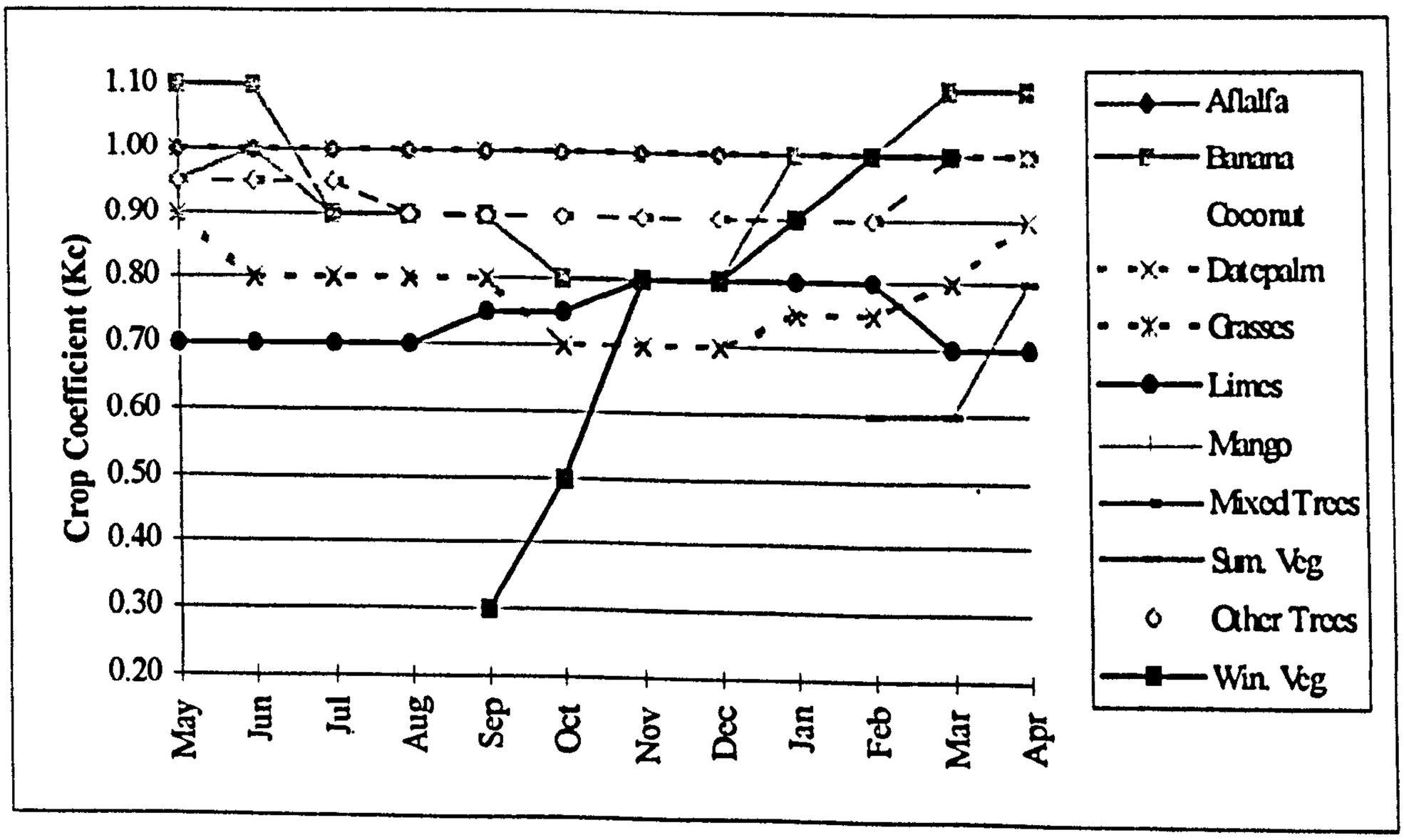


Figure 2 Crop Coefficients

Leaching fraction is calculated from the leaching requirements (LR), using the following equation:

Equation 2 $$LR = 1 / (1-Lf)$$

The LR is the minimum amount of irrigation water drained through the root zone to control soil salinity. Soil types on the study farms ranged from sandy loam to sandy gravel and all have high permeability. Based on the recommendations in FAO Irrigation and Drainage Paper No. 24 (FAO, 1984) for permeable soils with high irrigation frequency the LR was calculated using the following equation:

Equation 3 $$Lf = ECw / (2 \times Max\ ECe)$$

where:

Ecw = electrical conductivity of irrigation water (μScm^{-1})

ECe = maximum tolerable electrical conductivity of the soil saturation extract for a given crop (μScm^{-1})

Table 1 presents the maximum ECe values adopted for the calculation of Lf, derived from a review of international and local salinity research (Mott, 1991) and FAO Irrigation and Drainage Paper No. 48 (FAO, 1991). It also lists the maximum ECw values based on the relationship ECe is approximately 1.5 times ECw.

Table 1 Max ECe and ECw Values

Crop	ECe (μScm^{-1})	ECw (μScm^{-1})
Alfalfa	16,000	10,666
Banana	8,000	5,333
Coconut	32,000	21,333
Datepalm	32,000	21,333
Grasses	18,000	12,000
Limes	8,000	5,333
Mango	8,000	5,333
Mixed Trees Plots	8,000	5,333
Other Trees Sp.	8,000	5,333

Vegetables	10,000	6,666

Crop growth and production is sensitive to soil and water salinity. While the level of sensitivity varies between crops, above a threshold level salinity increases and productivity declines and ultimately ceases above a critical level. The relationship between crop yield and soil water salinity is described as:

Equation 4 $$\mathbf{Yr = 100 - b\,(ECe - a)}$$

where:

Yr = relative yield (%) under saline compared to non saline threshold salinity conditions

a = threshold salinity (above which yield declines)

b = percentage decrement value per unit increase of salinity in excess of a

As soil water salinity increases, (Maas and Hoffman, 1977) relative yield progressively declines from 100% at threshold ECe to 0% at maximum ECe. At maximum ECe the leaching fraction is 0.33. Based on Equation 2, leaching requirements are 1.5 and therefore this was established as the upper limit for leaching requirement for calculation of GIR.

Table 3 presents the irrigation efficiency (EU) values assumed in the calculation of GIR. These assumed values are based on limited research in Oman and values traditionally adopted for system efficiencies.

Table 3 Irrigation Efficiency Values

Method	EU %
Surface Lined	60
Surface Unlined	50
Drip/Bubbler	90
Sprinkler/Spray	70

GIR values were calculated on a monthly basis using an Excel spreadsheet and a Paradox database. These values form the basis for the investigation of the relationship between

irrigation water salinity, abstraction and irrigation demand presented in the following section. The full result of GIR calculations per farm are listed in Appendix X.

APPENDIX X

GROSS IRRIGATION REQUIREMENTS PER FARM

APPENDIX X SUMMARY OF GIR COMPONENTS

Summary of GIR Components (m^3/year)

	GIR	ETcrop	ETcxLR	LR	EU	%ETcrop	% LR	% EU
Phase 1								
1994-95	4,189,489	2,779,924	3,018,845	238,922	1,170,644	66.35	5.70	27.94
1995-96	4,212,920	2,779,924	3,034,823	254,899	1,178,097	65.99	6.05	27.96
1996-97	4,223,026	2,779,924	3,041,251	261,328	1,181,775	65.83	6.19	27.98
1997-98	4,237,979	2,779,924	3,052,305	272,382	1,185,673	65.60	6.43	27.98
1998-99	4,494,370	2,932,942	3,232,629	299,687	1,261,742	65.26	6.67	28.07
Phase 2								
1996-97	21,551,808	13,627,943	15,465,518	1,837,575	6,086,289	63.23	8.53	28.24
1997-98	20,705,022	13,212,768	14,952,599	1,739,832	5,752,423	63.81	8.40	27.78
1998-99	19,310,864	12,023,713	13,923,698	1,899,985	5,387,166	62.26	9.84	27.90
Total								
1996-97	25,774,834	16,407,867	18,506,770	2,098,903	7,268,064	63.66	8.14	28.20
1997-98	24,943,001	15,992,691	18,004,905	2,012,214	6,938,096	64.12	8.07	27.82
1998-99	23,805,234	14,956,654	17,156,327	2,199,672	6,648,908	62.83	9.24	27.93

APPENDIX X GIR COMPONENTS - PHASE 1 1994-95

Phase 1 1994-95

Farm	GIR	ETcrop	ETcxLR	LR	EU	% ETc	% LR	% EU
001-001	72,146	53,818	58,710	4,891	13,436	74.60	6.78	18.62
001-003	189,000	134,332	157,461	23,129	31,539	71.07	12.24	16.69
001-004	95,929	68,820	72,198	3,379	23,730	71.74	3.52	24.74
001-005	349,655	245,558	279,739	34,182	69,915	70.23	9.78	20.00
001-006	87,641	57,262	59,393	2,131	28,247	65.34	2.43	32.23
001-007	124,723	69,743	76,448	6,705	48,275	55.92	5.38	38.71
001-008	48,730	36,837	38,063	1,225	10,667	75.60	2.51	21.89
001-009	103,688	72,678	75,076	2,398	28,612	70.09	2.31	27.59
001-010	20,521	15,627	16,143	516	4,378	76.15	2.51	21.33
001-011	123,017	84,672	87,532	2,860	35,484	68.83	2.33	28.85
001-012	147,256	101,793	108,676	6,884	38,579	69.13	4.67	26.20
001-013	1,209,714	803,262	854,637	51,375	355,077	66.40	4.25	29.35
001-015	47,677	26,013	28,606	2,594	19,071	54.56	5.44	40.00
001-016	147,169	74,719	88,301	13,582	58,868	50.77	9.23	40.00
001-017	35,283	27,561	31,755	4,194	3,528	78.11	11.89	10.00
001-018	32,725	26,461	29,452	2,991	3,272	80.86	9.14	10.00
001-019	166,178	115,647	121,434	5,787	44,744	69.59	3.48	26.93
001-020	72,685	41,293	43,611	2,318	29,074	56.81	3.19	40.00
001-021	107,256	85,705	95,733	10,028	11,523	79.91	9.35	10.74
001-022	76,741	41,365	46,044	4,679	30,696	53.90	6.10	40.00
001-023	74,510	47,167	52,389	5,222	22,121	63.30	7.01	29.69
001-024	491,303	319,125	343,912	24,787	147,391	64.95	5.05	30.00
001-025	288,931	193,016	204,034	11,018	84,897	66.80	3.81	29.38
001-026	66,052	28,005	39,631	11,626	26,421	42.40	17.60	40.00
001-027	10,961	9,445	9,865	420	1,096	86.16	3.84	10.00
	4,188,804	2,779,924	3,018,228	238,305	1,170,575	66.37	5.69	27.95

APPENDIX X GIR COMPONENTS - PHASE 1 1995-96

Phase 1 1995-96

Farm	GIR	ETcrop	ETcxLR	LR	EU	% ETc	% LR	% EU
001-001	71,677	53,818	58,309	4,491	13,368	75.08	6.27	18.65
001-003	189,685	134,332	158,051	23,719	31,634	70.82	12.50	16.68
001-004	95,132	68,820	71,577	2,758	23,554	72.34	2.90	24.76
001-005	351,261	245,558	281,038	35,480	70,224	69.91	10.10	19.99
001-006	87,704	57,262	59,439	2,177	28,264	65.29	2.48	32.23
001-007	123,315	69,743	75,589	5,846	47,727	56.56	4.74	38.70
001-008	48,747	36,837	38,077	1,239	10,671	75.57	2.54	21.89
001-009	103,656	72,678	75,052	2,374	28,603	70.11	2.29	27.59
001-010	20,529	15,627	16,150	523	4,380	76.12	2.55	21.33
001-011	122,666	84,672	87,276	2,604	35,389	69.03	2.12	28.85
001-012	150,054	101,793	110,759	8,966	39,296	67.84	5.98	26.19
001-013	1,218,382	803,262	860,824	57,562	357,558	65.93	4.72	29.35
001-015	48,716	26,013	29,230	3,217	19,487	53.40	6.60	40.00
001-016	152,184	74,719	91,310	16,591	60,874	49.10	10.90	40.00
001-017	34,976	27,561	31,478	3,918	3,498	78.80	11.20	10.00
001-018	32,779	26,461	29,501	3,040	3,278	80.73	9.27	10.00
001-019	166,108	115,647	121,381	5,734	44,728	69.62	3.45	26.93
001-020	72,618	41,293	43,571	2,278	29,047	56.86	3.14	40.00
001-021	108,591	85,705	96,931	11,225	11,660	78.92	10.34	10.74
001-022	81,036	41,365	48,621	7,256	32,414	51.05	8.95	40.00
001-023	74,915	47,167	52,675	5,508	22,239	62.96	7.35	29.69
001-024	493,440	319,125	345,408	26,283	148,032	64.67	5.33	30.00
001-025	286,763	193,016	202,486	9,470	84,277	67.31	3.30	29.39
001-026	66,990	28,005	40,194	12,189	26,796	41.80	18.20	40.00
001-027	10,995	9,445	9,895	451	1,099	85.90	4.10	10.00
	4,212,217	2,779,924	3,034,190	254,266	1,178,027	66.00	6.04	27.97

APPENDIX X GIR COMPONENTS - PHASE 1 1996-97

Phase 1 1996-97								
Farm	GIR	ETcrop	ETcxLR	LR	EU	% ETc	% LR	% EU
001-001	71,394	53,818	58,067	4,249	13,327	75.38	5.95	18.67
001-003	190,199	134,332	158,494	24,162	31,705	70.63	12.70	16.67
001-004	95,170	68,820	71,608	2,788	23,563	72.31	2.93	24.76
001-005	351,594	245,558	281,307	35,749	70,287	69.84	10.17	19.99
001-006	87,834	57,262	59,534	2,272	28,300	65.19	2.59	32.22
001-007	123,391	69,743	75,635	5,892	47,756	56.52	4.78	38.70
001-008	48,785	36,837	38,106	1,268	10,679	75.51	2.60	21.89
001-009	103,731	72,678	75,107	2,429	28,624	70.06	2.34	27.59
001-010	20,765	15,627	16,337	710	4,428	75.26	3.42	21.32
001-011	122,351	84,672	87,047	2,375	35,304	69.20	1.94	28.85
001-012	150,167	101,793	110,842	9,050	39,324	67.79	6.03	26.19
001-013	1,221,758	803,262	863,234	59,972	358,524	65.75	4.91	29.34
001-015	48,897	26,013	29,338	3,326	19,559	53.20	6.80	40.00
001-016	150,731	74,719	90,439	15,720	60,292	49.57	10.43	40.00
001-017	34,930	27,561	31,437	3,877	3,493	78.90	11.10	10.00
001-018	32,676	26,461	29,409	2,947	3,268	80.98	9.02	10.00
001-019	166,560	115,647	121,725	6,079	44,834	69.43	3.65	26.92
001-020	72,645	41,293	43,587	2,294	29,058	56.84	3.16	40.00
001-021	105,621	85,705	94,267	8,562	11,354	81.14	8.11	10.75
001-022	83,820	41,365	50,292	8,927	33,528	49.35	10.65	40.00
001-023	75,574	47,167	53,142	5,975	22,432	62.41	7.91	29.68
001-024	495,656	319,125	346,959	27,834	148,697	64.38	5.62	30.00
001-025	289,848	193,016	204,689	11,673	85,159	66.59	4.03	29.38
001-026	67,955	28,005	40,773	12,768	27,182	41.21	18.79	40.00
001-027	10,972	9,445	9,875	430	1,097	86.08	3.92	10.00
	4,223,026	2,779,924	3,041,251	261,328	1,181,775	65.83	6.19	27.98

APPENDIX X GIR COMPONENTS - PHASE 1 997-98

Phase 1 1997-98								
Farm	GIR	ETcrop	ETcxLR	LR	EU	% ETc	% LR	% EU
001-001	71,921	53,818	58,517	4,699	13,403	74.83	6.53	18.64
001-003	195,260	134,332	162,859	28,527	32,401	68.80	14.61	16.59
001-004	95,317	68,820	71,722	2,902	23,595	72.20	3.04	24.75
001-005	352,558	245,558	282,086	36,529	70,472	69.65	10.36	19.99
001-006	88,045	57,262	59,687	2,425	28,358	65.04	2.75	32.21
001-007	123,342	69,743	75,605	5,862	47,737	56.54	4.75	38.70
001-008	48.812	36,837	38,127	1,290	10,685	75.47	2.64	21.89
001-009	104.121	72.678	75.390	2.712	28.731	69.80	2.60	27.59
001-010	20,745	15,627	16,321	694	4,424	75.33	3.34	21.33
001-011	122,555	84,672	87,196	2,524	35,359	69.09	2.06	28.85
001-012	148,323	101,793	109,470	7,677	38,853	68.63	5.18	26.19
001-013	1,224,158	803,262	864,948	61,686	359,210	65.62	5.04	29.34
001-015	49,140	26,013	29,484	3,472	19,656	52.94	7.06	40.00
001-016	148,820	74,719	89,292	14,573	59,528	50.21	9.79	40.00
001-017	35,096	27,561	31,586	4,026	3,510	78.53	11.47	10.00
001-018	32,563	26,461	29,307	2,846	3,256	81.26	8.74	10.00
001-019	166,976	115,647	122,044	6,397	44,933	69.26	3.83	26.91
001-020	73.059	41.293	43.835	2.542	29.224	56.52	3.48	40.00
001-021	106,038	85,705	94,641	8,936	11,397	80.83	8.43	10.75
001-022	88,158	41,365	52,895	11,530	35,263	46.92	13.08	40.00
001-023	75,817	47,167	53,314	6,147	22,503	62.21	8.11	29.68
001-024	497,339	319,125	348,137	29,012	149,202	64.17	5.83	30.00
001-025	288,836	193,016	203,966	10,950	84,870	66.83	3.79	29.38
001-026	70,020	28,005	42,012	14,007	28,008	40.00	20.00	40.00
001-027	10,960	9,445	9,864	419	1,096	86.18	3.82	10.00
	4,237,979	2,779,924	3,052,305	272,382	1,185.673	65.60	6.43	27.98

APPENDIX X GIR COMPONENTS - PHASE 1 1998-99

Phase 1 1998-99								
Farm	GIR	ETcrop	ETcxLR	LR	EU	% ETc	% LR	% EU
001-001	73,508	53,697	57,884	4,187	15,623	73.05	5.70	21.25
001-003	224,542	154,464	184,960	30,497	39,582	68.79	13.58	17.63
001-004	119,015	84,045	88,276	4,231	30,739	70.62	3.55	25.83
001-005	409,746	278,524	316,952	38,428	92,795	67.97	9.38	22.65
001-006	77,930	52,892	55,124	2,232	22,806	67.87	2.86	29.26
001-007	122,094	69,848	75,652	5,804	46,442	57.21	4.75	38.04
001-008	54,401	40,074	41,478	1,404	12,923	73.66	2.58	23.76
001-009	108,804	75,264	78,223	2,959	30,581	69.17	2.72	28.11
001-010	16,302	13,882	14,672	790	1,630	85.15	4.85	10.00
001-011	119,041	78,628	84,050	5,422	34,991	66.05	4.55	29.39
001-012	146,210	97,567	104,605	7,038	41,605	66.73	4.81	28.46
001-013	1,227,178	801,373	865,282	63,909	361,896	65.30	5.21	29.49
001-015	44,566	23,820	26,740	2,920	17,826	53.45	6.55	40.00
001-016	145,826	71,112	87,496	16,384	58,330	48.76	11.24	40.00
001-017	58,763	47,243	52,887	5,643	5,876	80.40	9.60	10.00
001-018	143,004	97,497	103,070	5,573	39,934	68.18	3.90	27.93
001-019	154,114	107,101	113,040	5,939	41,074	69.49	3.85	26.65
001-020	71,944	43,507	48,118	4,612	23,826	60.47	6.41	33.12
001-021	103,229	84,964	92,906	7,942	10,323	82.31	7.69	10.00
001-022	129,819	60,969	83,043	22,074	46,776	46.96	17.00	36.03
001-023	75,783	46,882	53,207	6,326	22,576	61.86	8.35	29.79
001-024	498,125	319,125	348,688	29,562	149,438	64.07	5.93	30.00
001-025	289,451	193,016	204,406	11,389	85,045	66.68	3.93	29.38
001-026	70,020	28,005	42,012	14,007	28,008	40.00	20.00	40.00
001-027	10,954	9,445	9,859	414	1,095	86.22	3.78	10.00
	4,494,370	2,932,942	3,232,629	299,687	1,261,742	65.26	6.67	28.07

APPENDIX X GIR COMPONENTS - PHASE 2 1996-97

Phase 2 1996-97								
Farm	GIR	ETcrop	ETcxLR	LR	EU	% ETc	% LR	% EU
002-001	156,670	135,278	141,003	5,725	15,667	86.35	3.65	10.00
002-002	192,698	95,754	115,180	19,426	77,518	49.69	10.08	40.23
002-003	99,536	61,973	77,531	15,558	22,005	62.26	15.63	22.11
002-004	327,246	174,382	193,143	18,760	134,103	53.29	5.73	40.98
002-005	81,261	39,199	41,424	2,225	39,837	48.24	2.74	49.02
002-006	224,219	117,833	143,381	25,548	80,838	52.55	11.39	36.05
002-007	111,366	66,626	71,004	4,378	40,362	59.83	3.93	36.24
002-008	146,262	77,019	86,701	9,682	59,562	52.66	6.62	40.72
002-009	522,432	281,950	348,720	66,770	173,712	53.97	12.78	33.25
002-010	189,260	111,811	121,302	9,492	67,958	59.08	5.02	35.91
002-011	100,473	53,385	57,888	4,503	42,585	53.13	4.48	42.38
002-012	383,424	250,838	264,571	13,733	118,852	65.42	3.58	31.00
002-013	71,645	37,157	42,987	5,830	28,658	51.86	8.14	40.00
002-014	210.131	104.681	118.020	13.340	92.110	49.82	6.35	43.83
002-015	140,449	68,035	76,380	8,345	64,069	48.44	5.94	45.62
002-016	105,478	58,778	63,287	4,509	42,191	55.73	4.27	40.00
002-017	48,554	18,486	24,277	5,791	24,277	38.07	11.93	50.00
002-018	90,242	37,429	46,438	9,009	43,805	41.48	9.98	48.54
002-019	39,117	17,507	19,558	2,052	19,558	44.75	5.25	50.00
002-020	186,490	69,827	93,245	23,418	93,245	37.44	12.56	50.00
002-021	195,027	130,703	135,046	4,343	59,980	67.02	2.23	30.75
002-022	135,292	85,532	91,126	5,594	44,167	63.22	4.13	32.65
002-023	116,521	78,907	84,256	5,349	32,265	67.72	4.59	27.69
002-024	119,263	81,593	83,978	2,385	35,286	68.41	2.00	29.59
002-025	106,228	57,174	60,367	3,193	45,862	53.82	3.01	43.17
002-026	338,732	259,307	276,461	17,154	62,271	76.55	5.06	18.38
002-027	722,837	481,089	502,602	21,513	220,235	66.56	2.98	30.47
002-028	1,170,102	789,125	819,071	29,946	351,031	67.44	2.56	30.00
002-029	130,124	64,328	78,075	13,747	52,050	49.44	10.56	40.00
002-030	16,050	7.188	8.025	836	8.025	44.79	5.21	50.00
002-031	75,379	31,347	37,689	6,342	37,689	41.59	8.41	50.00
002-033	140,943	60,410	84,566	24,156	56,377	42.86	17.14	40.00
002-034	174,641	121,589	140,273	18,684	34,368	69.62	10.70	19.68
002-035	198,059	84,686	120,076	35,390	77,983	42.76	17.87	39.37
002-036	81,727	35,989	49,036	13,047	32,691	44.04	15.96	40.00
002-037	68,096	43,979	61,286	17,307	6,810	64.58	25.42	10.00
002-038	199,733	100,571	134,312	33,741	65,421	50.35	16.89	32.75
002-039	92,186	67,250	82,573	15,323	9,613	72.95	16.62	10.43
002-040	687,050	462,536	565,460	102,924	121,591	67.32	14.98	17.70
002-041	39,653	17,062	19,826	2,765	19,826	43.03	6.97	50.00
002-042	131,414	56,018	78,848	22,830	52,566	42.63	17.37	40.00
002-043	41,310	16,890	20,655	3,765	20,655	40.89	9.11	50.00
002-044	148,794	68,713	100,413	31,700	48,382	46.18	21.30	32.52
002-045	142,884	56,992	84,653	27,660	58,231	39.89	19.36	40.75
002-046	7,522	2,956	4,033	1,077	3,489	39.30	14.32	46.38
002-047	208.536	132,526	154.179	21,652	54,357	63.55	10.38	26.07
002-048	189,386	76,219	102,696	26,477	86,690	40.25	13.98	45.77
002-049	219,233	92,801	126,302	33,502	92,930	42.33	15.28	42.39
002-050	148,881	62,658	89,329	26,670	59,552	42.09	17.91	40.00
002-051	139,867	50,713	69,933	19,220	69,933	36.26	13.74	50.00
002-052	148,488	101,948	108,473	6,525	40,015	68.66	4.39	26.95
002-053	343,065	248,560	260,852	12,292	82,213	72.45	3.58	23.96
002-054	103,217	73,335	77,351	4,016	25,865	71.05	3.89	25.06
002-055	149,938	118,384	134,945	16,561	14,994	78.95	11.05	10.00

APPENDIX X GIR COMPONENTS - PHASE 2 1996-97

Phase 2 1996-97								
Farm	GIR	ETcrop	ETcxLR	LR	EU	% ETc	% LR	% EU
002-056	106,479	78,512	80,864	2,351	25,615	73.73	2.21	24.06
002-057	109,546	82,080	87,627	5,547	21,919	74.93	5.06	20.01
002-058	107,967	85,318	97,171	11,853	10,797	79.02	10.98	10.00
002-059	400,510	261,102	291,778	30,677	108,732	65.19	7.66	27.15
002-060	215,978	146,395	182,076	35,681	33,902	67.78	16.52	15.70
002-061	72,762	46,406	54,202	7,796	18,560	63.78	10.71	25.51
002-062	143,456	113,288	122,131	8,843	21,326	78.97	6.16	14.87
002-063	86,914	69,217	72,290	3,074	14,624	79.64	3.54	16.83
002-064	66,880	50,340	53,246	2,906	13,634	75.27	4.35	20.39
002-065	72,907	54,504	56,408	1,904	16,499	74.76	2.61	22.63
002-066	239,174	204,873	215,257	10,384	23,917	85.66	4.34	10.00
002-067	138,457	110,312	114,402	4,090	24,055	79.67	2.95	17.37
002-068	206,300	153,410	159,190	5,780	47,110	74.36	2.80	22.84
002-069	181,961	120.868	132.094	11.226	49.867	66.43	6.17	27.41
002-070	259,499	176,887	197,725	20,838	61,774	68.16	8.03	23.81
002-071	97,085	45,469	61,755	16,287	35,329	46 83	16.78	36.39
002-072	91,886	72,444	82,698	10,254	9,189	78.84	11.16	10.00
002-073	262,659	128,255	144,019	15,765	118,640	48.83	6.00	45.17
002-074	100,127	82,760	90,114	7,354	10,013	82.65	7.35	10.00
002-075	110,952	94,636	98,908	4,272	12,044	85.29	3.85	10.85
002-076	197,884	148,680	155,357	6,677	42,527	75.13	3.37	21.49
002-077	34,346	29,935	30,911	976	3,435	87.16	2.84	10.00
002-078	124,000	89,108	90,989	1,882	33,010	71.86	1.52	26.62
002-079	583,501	401,475	408,451	6,976	175,050	68.80	1.20	30.00
002-080	212,439	162,264	167,187	4,923	45,252	76.38	2.32	21.30
002-081	131,916	107,338	109,869	2,532	22,047	81.37	1.92	16.71
002-082	255,651	144,904	148,460	3,555	107,192	56.68	1.39	41.93
002-083	150,198	123,361	129,462	6,102	20,736	82.13	4.06	13.81
002-084	229,063	173,250	182,658	9,407	46,405	75.63	4.11	20.26
002-086	137,221	111,308	118,779	7,471	18,442	81.12	5.44	13.44
002-087	110,653	62,880	66,392	3,512	44,261	56.83	3.17	40.00
002-088	330,878	206,656	217,572	10,917	113,305	62.46	3 30	34.24
002-089	264,831	168,302	175,597	7,294	89,234	63.55	2.75	33.69
002-090	296,771	206,779	213,505	6,726	83,266	69.68	2.27	28.06
002-091	247,458	159,297	199,587	40,290	47,871	64.37	16.28	19.35
002-092	311,407	208,409	227,583	19,174	83,824	66.92	6.16	26.92
002-093	64,468	32,456	33,735	1,279	30,733	50.35	1.98	47.67
002-094	60,741	51,555	53,963	2,409	6,777	84.88	3.97	11.16
002-095	199,744	154,247	159,846	5,600	39,898	77.22	2.80	19.97
002-096	431,351	298,365	304,240	5,875	127,111	69.17	1.36	29.47
002-097	136,869	99,587	102,556	2,969	34,313	72.76	2.17	25.07
002-098	282,300	202,027	213,214	11,187	69,085	71.56	3.96	24.47
002-099	147,130	106,183	110,131	3,949	36,999	72.17	2.68	25.15
002-100	176,900	139,649	146,445	6,796	30,455	78.94	3.84	17.22
002-101	38,234	30,160	31,576	1,416	6,658	78.88	3.70	17.41
002-102	71,259	44,691	53,861	9,170	17,398	62.72	12.87	24.42
002-103	35,952	20,722	29,056	8,334	6,895	57.64	23.18	19.18
002-104	360,597	226,630	309,312	82,683	51,285	62.85	22.93	14.22
002-105	96,788	56,596	82,474	25,879	14,314	58.47	26.74	14.79
002-106	392,518	228,748	341,405	112,656	51,113	58.28	28.70	13.02
002-107	118,757	68,191	91,041	22,850	27,717	57.42	19.24	23.34
002-108	155,803	77,033	111,179	34,146	44,624	49.44	21.92	28.64
002-109	72,566	36,751	44,551	7,800	28,015	50.65	10.75	38.61
002-110	206,096	95,352	137,769	42,418	68,327	46.27	20.58	33.15

APPENDIX X GIR COMPONENTS - PHASE 2 1996-97

Phase 2 1996-97								
Farm	GIR	ETcrop	ETcxLR	LR	EU	% ETc	% LR	% EU
002-111	126,164	76,462	95,902	19,439	30,262	60.61	15.41	23.99
002-112	646,625	383,047	479,536	96,490	167,089	59.24	14.92	25.84
002-113	517,397	311,293	374,665	63,372	142,732	60.17	12.25	27.59
002-114	138,567	96,118	113,060	16,941	25,507	69.37	12.23	18.41
002-115	28,132	14,034	16,879	2,845	11,253	49.89	10.11	40.00
	21,551,808	13,627,943	15,465,518	1,837,575	6,086,289			

APPENDIX X GIR COMPONENTS - PHASE 2 1997-98

Phase 2 1997-98								
Farm	GIR	ETcrop	ETcxLR	LR	EU	% ETc	% LR	% EU
002-001	156,670	135,278	141,003	5,725	15,667	86.35	3.65	10.00
002-002	192,698	95,754	115,180	19,426	77,518	49.69	10.08	40.23
002-003	99,536	61,973	77,531	15,558	22,005	62.26	15.63	22.11
002-004	204,016	107,537	119,205	11,667	84,811	52.71	5.72	41.57
002-005	73,325	35,001	36,662	1,662	36,662	47.73	2.27	50.00
002-006	224,219	117,833	143,381	25,548	80,838	52.55	11.39	36.05
002-007	100,381	59,438	63,648	4,210	36,733	59.21	4.19	36.59
002-008	146,262	77,019	86,701	9,682	59,562	52.66	6.62	40.72
002-009	474,499	268,782	329,539	60,756	144,961	56.65	12.80	30.55
002-010	189,260	111,811	121,302	9,492	67,958	59.08	5.02	35.91
002-011	100,473	53,385	57,888	4,503	42,585	53.13	4.48	42.38
002-012	383,424	250,838	264,571	13,733	118,852	65.42	3.58	31.00
002-013	59,810	30,942	35,886	4,944	23,924	51.73	8.27	40.00
002-014	187,127	91,983	104,218	12,235	82,909	49.16	6.54	44.31
002-015	140,449	68,035	76,380	8,345	64,069	48.44	5.94	45.62
002-016	105,478	58,778	63,287	4,509	42,191	55.73	4.27	40.00
002-017	48,554	18,486	24,277	5,791	24,277	38.07	11.93	50.00
002-018	90,242	37,429	46,438	9,009	43,805	41.48	9.98	48.54
002-019	58,865	28,532	31,517	2,985	27,348	48.47	5.07	46.46
002-020	153,625	57,837	76,813	18,975	76,813	37.65	12.35	50.00
002-021	121,194	80,699	83,363	2,664	37,831	66.59	2.20	31.21
002-022	135,292	85,532	91,126	5,594	44,167	63.22	4.13	32.65
002-023	116,521	78,907	84,256	5,349	32,265	67.72	4.59	27.69
002-024	119,263	81,593	83,978	2,385	35,286	68.41	2.00	29.59
002-025	118,362	65,746	69,095	3,349	49,267	55.55	2.83	41.62
002-026	338,732	259,307	276,461	17,154	62,271	76.55	5.06	18.38
002-027	722,837	481,089	502,602	21,513	220,235	66.56	2.98	30.47
002-028	1,170,102	789,125	819,071	29,946	351,031	67.44	2.56	30.00
002-029	130,124	64,328	78,075	13,747	52,050	49.44	10.56	40.00
002-030	16,050	7,188	8,025	836	8,025	44.79	5.21	50.00
002-031	75,379	31,347	37,689	6,342	37,689	41.59	8.41	50.00
002-033	140,943	60,410	84,566	24,156	56,377	42.86	17.14	40.00
002-034	174,641	121,589	140,273	18,684	34,368	69.62	10.70	19.68
002-035	216,404	92,721	131,083	38,363	85,321	42.85	17.73	39.43
002-036	38,157	18,680	23,897	5,217	14,260	48.96	13.67	37.37
002-037	63,925	41,357	57,533	16,175	6,393	64.70	25.30	10.00
002-038	198,226	99,711	132,918	33,208	65,307	50.30	16.75	32.95
002-039	92,186	67,250	82,573	15,323	9,613	72.95	16.62	10.43
002-040	465,029	328,768	413,803	85,034	51,227	70.70	18.29	11.02
002-041	39,653	17,062	19,826	2,765	19,826	43.03	6.97	50.00
002-042	107,674	46,342	64,604	18,262	43,070	43.04	16.96	40.00
002-043	41,310	16,890	20,655	3,765	20,655	40.89	9.11	50.00
002-044	148,794	68,713	100,413	31,700	48,382	46.18	21.30	32.52
002-045	142,884	56,992	84,653	27,660	58,231	39.89	19.36	40.75
002-046	7,522	2,956	4,033	1,077	3,489	39.30	14.32	46.38
002-047	163,179	111,682	126,703	15,020	36,476	68.44	9.20	22.35
002-048	92,102	41,323	54,054	12,731	38,048	44.87	13.82	41.31
002-049	219,233	92,801	126,302	33,502	92,930	42.33	15.28	42.39
002-050	69,396	30,864	41,638	10,773	27,758	44.48	15.52	40.00
002-051	139,867	50,713	69,933	19,220	69,933	36.26	13.74	50.00
002-052	148,543	102,479	109,012	6,533	39,532	68.99	4.40	26.61
002-053	361,019	260,563	273,420	12,857	87,599	72.17	3.56	24.26
002-054	103,217	73,335	77,351	4,016	25,865	71.05	3.89	25.06
002-055	149,938	118,384	134,945	16,561	14,994	78.95	11.05	10.00

APPENDIX X GIR COMPONENTS - PHASE 2 1997-98

Phase 2 1997-98								
Farm	GIR	ETcrop	ETcxLR	LR	EU	% ETc	% LR	% EU
002-056	53,422	42,141	43,906	1,765	9,517	78.88	3.30	17.81
002-057	150,858	107,883	114,210	6,326	36,649	71.51	4.19	24.29
002-058	147,495	116,202	132,745	16,543	14,749	78.78	11.22	10.00
002-059	246,902	161,631	180,052	18,421	66,850	65.46	7.46	27.08
002-060	205,280	140,384	174,767	34,383	30,513	68.39	16.75	14.86
002-061	80,269	51,002	59,457	8,455	20,812	63.54	10.53	25.93
002-062	143,456	113,288	122,131	8,843	21,326	78.97	6.16	14.87
002-063	86,914	69,217	72,290	3,074	14,624	79.64	3.54	16.83
002-064	66,024	49,631	52,475	2,844	13,548	75.17	4.31	20.52
002-065	72,907	54,504	56,408	1,904	16,499	74.76	2.61	22.63
002-066	239,174	204,873	215,257	10,384	23,917	85.66	4.34	10.00
002-067	147,773	116,534	120,924	4,389	26,850	78.86	2.97	18.17
002-068	187,489	140,591	146,022	5,432	41,467	74.99	2.90	22.12
002-069	155.565	104.538	115.089	10.551	40.476	67.20	6.78	26.02
002-070	243,959	166,437	186,409	19,972	57,550	68.22	8.19	23.59
002-071	97,085	45,469	61,755	16,287	35,329	46.83	16.78	36.39
002-072	91,886	72,444	82,698	10,254	9,189	78.84	11.16	10.00
002-073	262,659	128,255	144,019	15,765	118,640	48.83	6.00	45.17
002-074	100,127	82,760	90,114	7,354	10,013	82.65	7.35	10.00
002-075	117,340	100,041	104,564	4,524	12,776	85.26	3.86	10.89
002-076	173,471	135,172	142,140	6,969	31,331	77.92	4.02	18.06
002-077	34,346	29,935	30,911	976	3,435	87.16	2.84	10.00
002-078	124,000	89,108	90,989	1,882	33,010	71.86	1.52	26.62
002-079	580,403	400,263	407,318	7,056	173,084	68.96	1.22	29.82
002-080	215,591	163,779	168,763	4,984	46,828	75.97	2.31	21.72
002-081	136,148	110,128	112,687	2,559	23,460	80.89	1.88	17.23
002-082	255,651	144,904	148,460	3,555	107,192	56.68	1.39	41.93
002-083	198,111	155,836	163,002	7,166	35,110	78.66	3.62	17.72
002-084	229,063	173,250	182,658	9,407	46,405	75.63	4.11	20.26
002-086	168.294	132.627	140.874	8.247	27.420	78.81	4.90	16.29
002-087	110,653	62,880	66,392	3,512	44,261	56.83	3.17	40.00
002-088	330,878	206,656	217,572	10,917	113,305	62.46	3.30	34.24
002-089	264,831	168,302	175,597	7,294	89,234	63.55	2.75	33.69
002-090	296,771	206,779	213,505	6,726	83,266	69.68	2.27	28.06
002-091	252,579	159,297	199,587	40,290	52,991	63.07	15.95	20.98
002-092	312,984	209,641	229,002	19,360	83,982	66.98	6.19	26.83
002-093	90,287	48,525	50,162	1,638	40,125	53.74	1.81	44.44
002-094	60,741	51,555	53,963	2,409	6,777	84.88	3.97	11.16
002-095	199,744	154,247	159,846	5,600	39,898	77.22	2.80	19.97
002-096	431,351	298,365	304,240	5,875	127,111	69.17	1.36	29.47
002-097	136,869	99,587	102,556	2,969	34,313	72.76	2.17	25.07
002-098	282,300	202,027	213,214	11,187	69,085	71.56	3.96	24.47
002-099	136,335	103,261	107,966	4,705	28,368	75.74	3.45	20.81
002-100	222,761	167,112	174,854	7,742	47,907	75.02	3.48	21.51
002-101	38,234	30,160	31,576	1,416	6,658	78.88	3.70	17.41
002-102	71.259	44,691	53.861	9,170	17,398	62.72	12.87	24.42
002-103	35,952	20,722	29,056	8,334	6,895	57.64	23.18	19.18
002-104	360,597	226,630	309,312	82,683	51,285	62.85	22.93	14.22
002-105	96,788	56,596	82,474	25,879	14,314	58.47	26.74	14.79
002-106	400,604	233,043	347,847	114,804	52,757	58.17	28.66	13.17
002-107	118,757	68,191	91,041	22,850	27,717	57.42	19.24	23.34
002-108	118,762	57,977	81,873	23,896	36,889	48.82	20.12	31.06
002-109	72,566	36,751	44,551	7,800	28,015	50.65	10.75	38.61
002-110	206,096	95,352	137,769	42,418	68,327	46.27	20.58	33.15

APPENDIX X GIR COMPONENTS - PHASE 2 1997-98

Phase 2 1997-98								
Farm	GIR	ETcrop	ETcxLR	LR	EU	% ETc	% LR	% EU
002-111	126,164	76,462	95,902	19,439	30,262	60.61	15.41	23.99
002-112	646,625	383,047	479,536	96,490	167,089	59.24	14.92	25.84
002-113	526,194	316,335	380,823	64,487	145,371	60.12	12.26	27.63
002-114	140,938.	98,600	115,194	16,593	25,744	69.96	11.77	18.27
002-115	28,132	14,034	16,879	2,845	11,253	49.89	10.11	40.00
	20,705,022	13,212,768	14,952,599	1,739,832	5,752,423			

APPENDIX X GIR COMPONENTS - PHASE 2 1998-99

Phase 2 1998-99								
Farm	GIR	ETcrop	ETcxLR	LR	EU	% ETc	% LR	% EU
002-001	212,652	132,486	189,759	57,273	22,893	62.30	26.93	10.77
002-002	189,439	83,279	119,706	36,427	69,733	43.96	19.23	36.81
002-003	115,528	61,973	90,004	28,031	25,524	53.64	24.26	22.09
002-004	239,235	95,230	140,283	45,053	98,952	39.81	18.83	41.36
002-005	110,117	39,199	55,059	15,860	55,059	35.60	14.40	50.00
002-006	253,747	103,823	153,359	49,536	100,389	40.92	19.52	39.56
002-007	171,674	77,052	114,466	37,414	57,208	44.88	21.79	33.32
002-008	70,502	32,769	41,890	9,122	28,611	46.48	12.94	40.58
002-009	441,956	210,669	306,120	95,451	135,835	47.67	21.60	30.74
002-010	210,583	96,734	137,256	40,521	73,328	45.94	19.24	34.82
002-011	238,228	104,618	150,412	45,794	87,816	43.92	19.22	36.86
002-012	483,067	228,776	328,208	99,432	154,859	47.36	20.58	32.06
002-013	81,736	33,259	49,041	15,782	32,694	40.69	19.31	40.00
002-014	189,392	75,957	104,841	28,884	84,551	40.11	15.25	44.64
002-015	176,341	68,035	95,862	27,827	80,479	38.58	15.78	45.64
002-016	91,756	43,251	57,605	14,354	34,152	47.14	15 64	37 22
002-017	-	-	-	-	-			
002-018	109,103	37,429	56,143	18,714	52,960	34.31	17.15	48.54
002-019	73,202	28,173	36,601	8,428	36,601	38.49	11.51	50.00
002-020	131,433	59,329	79,039	19,709	52,395	45.14	15.00	39.86
002-021	175,485	80,699	105,291	24,592	70,194	45.99	14.01	40.00
002-022	195,323	92,903	127,446	34,542	67,878	47.56	17.68	34.75
002-023	147,437	78,907	107,068	28,161	40,369	53.52	19.10	27.38
002-024	149,516	81,593	105,239	23,646	44,277	54.57	15.82	29.61
002-025	155,036	67,353	90,100	22,747	64,936	43.44	14.67	41.88
002-026	436,797	259,307	358,667	99,360	78,130	59.37	22.75	17.89
002-027	856,294	481,089	595,700	114,611	260,594	56.18	13.38	30.43
002-028	1,392,623	789,125	974,836	185,711	417,787	56.66	13.34	30.00
002-029	119,688	64,328	71,813	7,485	47,875	53.75	6.25	40.00
002-030	16,039	7,188	8.020	831	8.020	44.82	5.18	50.00
002-031	69,779	31,347	34,890	3,542	34,890	44.92	5.08	50.00
002-033	67,179	31,732	40,308	8,576	26,872	47.23	12.77	40.00
002-034	197,182	121,589	159,133	37,543	38,050	61.66	19.04	19.30
002-035	212,335	105,723	134,899	29,177	77,436	49.79	13.74	36.47
002-036	25,783	13,753	15,470	1,717	10,313	53.34	6.66	40.00
002-037	54,379	41,357	48,941	7,584	5,438	76.05	13.95	10.00
002-038	177,105	99,711	118,530	18,819	58,575	56.30	10.63	33.07
002-039	79,257	66,319	71,331	5,012	7,926	83.68	6.32	10.00
002-040	290,178	203,756	261,160	57,404	29,018	70.22	19.78	10.00
002-041	19,953	8,824	9,977	1,153	9,977	44.22	5.78	50.00
002-042	42,103	21,880	25,262	3,382	16,841	51.97	8.03	40.00
002-043	36,038	16,890	18,019	1,129	18,019	46.87	3.13	50.00
002-044	20,163	9,958	10,979	1,021	9,184	49.39	5.07	45.55
002-045	14,714	6,496	7,357	862	7,357	44.14	5.86	50.00
002-046	2,400	1,357	1,440	83	960	56.53	3.47	40.00
002-047	163,179	111,682	126.703	15.020	36.476	68.44	9.20	22.35
002-048	60,603	34,446	37,558	3,112	23,045	56.84	5.13	38.03
002-049	102,401	51,255	57,053	5,798	45,347	50.05	5 66	44.28
002-050	55,177	30,864	33,106	2,242	22,071	55.94	4.06	40.00
002-051	114,461	52,246	57,231	4,985	57,231	45.64	4.36	50.00
002-052	155,000	102,479	113,908	11,429	41,093	66.12	7.37	26.51
002-053	377,710	260,563	286,202	25,639	91,508	68.98	6.79	24.23
002-054	115,789	81,594	89,378	7,784	26,411	70.47	6.72	22.81
002-055	148,518	118,384	133,666	15,282	14,852	79.71	10.29	10.00

APPENDIX X GIR COMPONENTS - PHASE 2 1998-99

Phase 2 1998-99								
Farm	GIR	ETcrop	ETcxLR	LR	EU	% ETc	% LR	% EU
002-056	61,330	43,817	50,549	6,732	10,780	71.44	10.98	17.58
002-057	158,195	107,883	120,007	12,124	38,188	68.20	7.66	24.14
002-058	23,666	20,422	21,299	878	2,367	86.29	3.71	10.00
002-059	242,359	161,631	176,630	14,999	65,729	66.69	6.19	27.12
002-060	168,061	124,845	141,698	16,853	26,363	74.29	10.03	15.69
002-061	68,440	46,406	50,943	4,537	17,498	67.81	6.63	25.57
002-062	150,574	113,288	128,347	15,059	22,227	75.24	10.00	14.76
002-063	90,500	69,217	75,331	6,114	15,169	76.48	6.76	16.76
002-064	69,834	50,798	55,727	4,930	14,107	72.74	7.06	20.20
002-065	137,989	107,534	121,611	14,077	16,377	77.93	10.20	11.87
002-066	255,981	204,873	230,383	25,510	25,598	80.03	9.97	10.00
002-067	125,994	97,423	109,535	12,111	16,459	77.32	9.61	13.06
002-068	193,402	140,591	150,831	10,240	42,571	72.69	5.29	22.01
002-069	158,997	104,538	110,520	5,983	48,476	65.75	3.76	30.49
002-070	257,302	187,060	198,815	11,754	58,488	72.70	4.57	22.73
002-071	84,882	47,025	50,929	3,904	33,953	55.40	4 60	40 00
002-072	70,337	55,099	59,811	4,712	10,526	78.34	6.70	14.96
002-073	226,408	113,358	123,142	9,783	103,267	50.07	4.32	45.61
002-074	139,653	104,753	111,432	6,678	28,222	75.01	4.78	20.21
002-075	122,392	100,220	108,703	8,484	13,688	81.88	6.93	11.18
002-076	140,251	111,153	120,294	9,141	19,957	79.25	6.52	14.23
002-077	35,752	29,935	32,177	2,242	3,575	83.73	6.27	10.00
002-078	126,606	89,108	92,908	3,801	33,698	70.38	3.00	26.62
002-079	592,552	400,263	415,874	15,611	176,679	67.55	2.63	29.82
002-080	220,252	163,779	172,543	8,764	47,709	74.36	3.98	21.66
002-081	143,030	111,328	118,304	6,977	24,726	77.84	4.88	17.29
002-082	265,466	146,162	154,552	8,390	110,914	55.06	3.16	41.78
002-083	205,064	159,420	169,199	9,779	35,865	77.74	4.77	17.49
002-084	229,036	173,250	182,635	9,385	46,401	75.64	4.10	20.26
002-086	136,515	110,483	118,138	7,655	18,377	80.93	5.61	13.46
002-087	110,708	62,407	66,425	4,017	44,283	56.37	3.63	40.00
002-088	222,870	132,937	140,985	8,048	81,885	59 65	3 61	36 74
002-089	262,597	168,302	174,122	5,819	88,475	64.09	2.22	33.69
002-090	296,647	206,779	213,416	6,637	83,230	69.71	2.24	28.06
002-091	136,546	107,067	112,769	5,702	23,777	78.41	4.18	17.41
002-092	89,202	68,711	71,887	3,176	17,315	77.03	3.56	19.41
002-093	67,068	37,095	38,574	1,480	28,493	55.31	2.21	42.48
002-094	61,475	51,555	54,620	3,065	6,856	83.86	4.99	11.15
002-095	187,770	144,795	151,842	7,047	35,928	77.11	3.75	19.13
002-096	348,192	239,492	246,039	6,546	102,153	68.78	1.88	29.34
002-097	100,750	73,794	76,724	2,930	24,027	73.24	2.91	23.85
002-098	254,543	185,905	193,819	7,914	60,724	73.03	3.11	23.86
002-099	95,354	76,937	80,392	3,455	14,962	80.69	3.62	15.69
002-100	247,424	184,066	192,092	8,026	55,332	74.39	3.24	22.36
002-101	53,729	43,828	45,543	1,715	8,186	81.57	3.19	15.24
002-102	61,820	44,691	46,367	1,676	15,454	72.29	2.71	25.00
002-103	18,466	15,925	16,620	695	1,847	86.24	3.76	10.00
002-104	327,189	249,132	256,689	7,556	70,501	76.14	2.31	21.55
002-105	59,251	47,573	49,767	2,194	9,484	80.29	3.70	16.01
002-106	280,613	233,043	243,893	10,850	36,720	83.05	3.87	13.09
002-107	92,054	68,191	70,207	2,017	21,847	74.08	2.19	23.73
002-108	71,880	48,423	49,573	1,150	22,307	67.37	1.60	31.03
002-109	67,344	40,455	41,193	739	26,150	60.07	1.10	38.83
002-110	136,865	80,538	82,119	1,581	54,746	58.85	1.15	40.00

APPENDIX X GIR COMPONENTS - PHASE 2 1998-99

Phase 2 1998-99								
Farm	GIR	ETcrop	ETcxLR	LR	EU	% ETc	% LR	% EU
002-111	103,793	76,462	78,288	1,826	25,504	73.67	1.76	24.57
002-112	533,810	383,047	391,987	8,941	141,822	71.76	1.67	26.57
002-113	139,429	105,533	107,622	2,090	31,807	75.69	1.50	22.81
002-114	123,269	98,600	100,488	1,887	22,782	79.99	1.53	18.48
002-115	24,069	14,034	14,442	407	9,628	58.31	1.69	40.00
	19,310,864	12,023,713	13,923,698	1,899,985	5,387,166			

APPENDIX X TOTAL GIR COMPONENTS ALL FARMS 1994-99

SUMMARY OF GIR COMPONENTS FOR ALL FARM 1994-99								
Farm	GIR	ETcrop	ETcxLR	LR	EU	% ETc	% LR	% EU
001-001	360,645	268,971	291,488	22,517	69,158	75	6	19
001-003	988,687	691,791	821,825	130,035	166,862	70	13	17
001-004	500,562	359,323	375,381	16,057	125,182	72	3	25
001-005	1,814,815	1,260,754	1,441,121	180,367	373,693	69	10	21
001-006	429,154	281,941	293,179	11,238	135,975	66	3	32
001-007	616,865	348,819	378,929	30,109	237,937	57	5	39
001-008	249,476	187,424	193,850	6,426	55,625	75	3	22
001-009	524,000	365,976	378,848	12,872	145,152	70	2	28
001-010	98,861	76,390	79,622	3,232	19,239	77	3	19
001-011	609,629	417,316	433,102	15,786	176,528	68	3	29
001-012	742,010	504,737	544,352	39,615	197,657	68	5	27
001-013	6,101,190	4,014,421	4,308,925	294,504	1,792,264	66	5	29
001-015	238,997	127,870	143,398	15,528	95,599	54	6	40
001-016	744,730	369,988	446,838	76,850	297,892	50	10	40
001-017	199,048	157,485	179,144	21,658	19,905	79	11	10
001-018	273,748	203,343	220,740	17,397	53,009	74	6	19
001-019	819,936	569,688	599,623	29,935	220,313	69	4	27
001-020	362,952	208,679	222,723	14,044	140,229	57	4	39
001-021	530,735	427,785	474,478	46,693	56,257	81	9	11
001-022	459,574	226,429	280,896	54,467	178,678	49	12	39
001-023	376,599	235,550	264,728	29,177	111,871	63	8	30
001-024	2,475,862	1,595,626	1,733,104	137,477	742,759	64	6	30
001-025	1,443,828	965,082	1,019,580	54,499	424,248	67	4	29
001-026	341,036	140,024	204,622	64,598	136,415	41	19	40
001-027	54,842	47,223	49,358	2,135	5,484	86	4	10
002-001	525,992	403,042	471,765	68,723	54,227	77	13	10
002-002	574,835	274,786	350,066	75,279	224,769	48	13	39
002-003	314,599	185,918	245,065	59,147	69,534	59	19	22
002-004	770,497	377,150	452,630	75,481	317,866	49	10	41
002-005	264,703	113,398	133,145	19,746	131,558	43	7	50
002-006	702,186	339,489	440,122	100,633	262,064	48	14	37
002-007	383,421	203,116	249,118	46,002	134,303	53	12	35
002-008	363,026	186,807	215,291	28,485	147,735	51	8	41
002-009	1,438,887	761,402	984,379	222,977	454,508	53	15	32
002-010	589,103	320,356	379,860	59,504	209,243	54	10	36
002-011	439,173	211,388	266,187	54,799	172,987	48	12	39
002-012	1,249,914	730,452	857,350	126,898	392,564	58	10	31
002-013	213,191	101,358	127,914	26,557	85,276	48	12	40
002-014	586,650	272,620	327,079	54,459	259,570	46	9	44
002-015	457,239	204,105	248,622	44,517	208,617	45	10	46
002-016	302,713	160,807	184,179	23,372	118,534	53	8	39
002-017	97,108	36,971	48,554	11,583	48,554	38	12	50
002-018	289,588	112,287	149,019	36,732	140,569	39	13	49
002-019	171,184	74,212	87,676	13,465	83,508	43	8	49
002-020	471,549	186,993	249,096	62,103	222,453	40	13	47
002-021	491,706	292,101	323,701	31,599	168,005	59	6	34
002-022	465,908	263,967	309,698	45,731	156,211	57	10	34
002-023	380,479	236,721	275,579	38,858	104,900	62	10	28
002-024	388,042	244,778	273,194	28,416	114,848	63	7	30
002-025	379,626	190,272	219,561	29,289	160,065	50	8	42
002-026	1,114,261	777,920	911,589	133,669	202,673	70	12	18

APPENDIX X TOTAL GIR COMPONENTS ALL FARMS 1994-99

SUMMARY OF GIR COMPONENTS FOR ALL FARM 1994-99								
Farm	GIR	ETcrop	ETcxLR	LR	EU	% ETc	% LR	% EU
002-027	2,301,968	1,443,266	1,600,904	157,638	701,064	63	7	30
002-028	3,732,826	2,367,374	2,612,978	245,604	1,119,848	63	7	30
002-029	379,937	192,984	227,962	34,979	151,975	51	9	40
002-030	48,138	21,565	24,069	2,504	24,069	45	5	50
002-031	220,536	94,041	110,268	16,227	110,268	43	7	50
002-033	349,065	152,551	209,439	56,888	139,626	44	16	40
002-034	546,465	364,768	439,679	74,911	106,786	67	14	20
002-035	626,798	283,129	386,059	102,930	240,739	45	16	38
002-036	145,667	68,422	88,404	19,982	57,264	47	14	39
002-037	186,400	126,694	167,760	41,066	18,640	68	22	10
002-038	575,064	299,993	385,760	85,767	189,304	52	15	33
002-039	263,628	200,818	236,477	35,659	27,151	76	14	10
002-040	1,442,258	995,061	1,240,422	245,362	201,835	69	17	14
002-041	99,259	42,948	49,630	6,682	49,630	43	7	50
002-042	281,191	124,240	168,715	44,475	112,476	44	16	40
002-043	118,658	50,670	59,329	8,659	59,329	43	7	50
002-044	317,752	147,384	211,804	64,420	105,947	46	20	33
002-045	300,482	120,480	176,663	56,182	123,820	40	19	41
002-046	17,444	7,269	9,507	2,238	7,937	42	13	46
002-047	534,893	355,891	407,584	51,693	127,309	67	10	24
002-048	342,091	151,988	194,308	42,320	147,782	44	12	43
002-049	540,866	236,856	309,658	72,802	231,208	44	13	43
002-050	273,454	124,387	164,073	39,685	109,382	45	15	40
002-051	394,195	153,673	197,097	43,425	197,097	39	11	50
002-052	452,032	306,906	331,392	24,487	120,640	68	5	27
002-053	1,081,794	769,686	820,473	50,787	261,320	71	5	24
002-054	322,222	228,264	244,080	15,816	78,142	71	5	24
002-055	448,395	355,151	403,555	48,404	44,839	79	11	10
002-056	221,231	164,470	175,319	10,849	45,912	74	5	21
002-057	418,600	297,846	321,844	23,998	96,756	71	6	23
002-058	279,128	221,942	251,215	29,273	27,913	80	10	10
002-059	889,771	584,364	648,460	64,096	241,311	66	7	27
002-060	589,319	411,625	498,541	86,917	90,777	70	15	15
002-061	221,472	143,815	164,602	20,787	56,870	65	9	26
002-062	437,487	339,863	372,608	32,745	64,879	78	7	15
002-063	264,329	207,650	219,911	12,261	44,417	79	5	17
002-064	202,738	150,769	161,449	10,680	41,289	74	5	20
002-065	283,803	216,543	234,427	17,884	49,376	76	6	17
002-066	734,329	614,618	660,896	46,278	73,433	84	6	10
002-067	412,224	324,270	344,861	20,591	67,364	79	5	16
002-068	587,191	434,591	456,043	21,452	131,148	74	4	22
002-069	496,522	329,943	357,703	27,760	138,819	66	6	28
002-070	760,760	530,384	582,948	52,564	177,812	70	7	23
002-071	279,051	137,963	174,439	36,477	104,611	49	13	37
002-072	254,110	199,987	225,206	25,220	28,903	79	10	11
002-073	751,726	369,867	411,180	41,312	340,546	49	5	45
002-074	339,907	270,273	291,660	21,387	48,247	80	6	14
002-075	350,684	294,897	312,176	17,280	38,508	84	5	11
002-076	511,606	395,005	417,791	22,787	93,815	77	4	18
002-077	104,444	89,806	93,999	4,193	10,444	86	4	10
002-078	374,606	267,323	274,887	7,564	99,719	71	2	27

APPENDIX X TOTAL GIR COMPONENTS ALL FARMS 1994-99

SUMMARY OF GIR COMPONENTS FOR ALL FARM 1994-99								
Farm	GIR	ETcrop	ETcxLR	LR	EU	% ETc	% LR	% EU
002-079	1,756,456	1,202,000	1,231,643	29,642	524,813	68	2	30
002-080	648,282	489,823	508,493	18,670	139,789	76	3	22
002-081	411,094	328,794	340,861	12,067	70,233	80	3	17
002-082	776,768	435,970	451,471	15,501	325,297	56	2	42
002-083	553,374	438,617	461,663	23,046	91,711	79	4	17
002-084	687,162	519,751	547,950	28,199	139,212	76	4	20
002-086	442,030	354,418	377,791	23,374	64,239	80	5	15
002-087	332,014	188,168	199,208	11,041	132,806	57	3	40
002-088	884,625	546,248	576,129	29,881	308,496	62	3	35
002-089	792,259	504,907	525,315	20,408	266,944	64	3	34
002-090	890,188	620,337	640,426	20,089	249,762	70	2	28
002-091	636,582	425,661	511,943	86,282	124,639	67	14	20
002-092	713,593	486,761	528,471	41,710	185,122	68	6	26
002-093	221,822	118,075	122,471	4,396	99,351	53	2	45
002-094	182,957	154,665	162,546	7,882	20,410	85	4	11
002-095	587,259	453,288	471,534	18,246	115,724	77	3	20
002-096	1,210,893	836,222	854,518	18,296	356,375	69	2	29
002-097	374,487	272,968	281,835	8,867	92,652	73	2	25
002-098	819,142	589,960	620,247	30,288	198,895	72	4	24
002-099	378,819	286,381	298,489	12,109	80,329	76	3	21
002-100	647,085	490,827	513,391	22,564	133,694	76	3	21
002-101	130,198	104,148	108,695	4,548	21,502	80	3	17
002-102	204,338	134,072	154,088	20,016	50,250	66	10	25
002-103	90,370	57,369	74,732	17,363	15,638	63	19	17
002-104	1,048,384	702,392	875,314	172,922	173,070	67	16	17
002-105	252,828	160,764	214,715	53,951	38,113	64	21	15
002-106	1,073,735	694,835	933,145	238,309	140,591	65	22	13
002-107	329,569	204,572	252,289	47,717	77,280	62	14	23
002-108	346,445	183,433	242,625	59,192	103,820	53	17	30
002-109	212,475	113,957	130,295	16,338	82,180	54	8	39
002-110	549,058	271,242	357,658	86,416	191,400	49	16	35
002-111	356,121	229,387	270,092	40,705	86,029	64	11	24
002-112	1,827,060	1,149,140	1,351,060	201,920	476,000	63	11	26
002-113	1,183,020	733,161	863,110	129,949	319,910	62	11	27
002-114	402,774	293,319	328,741	35,422	74,033	73	9	18
002-115	80,332	42,103	48,199	6,097	32,133	52	8	40

APPENDIX Y

TOTAL GROSS IRRIGATION REQUIREMENTS AND ABSTRACTION

APPENDIX Y TOTAL GROSS IRRIGATION REQUIREMENTS VERSUS ABSTRACTION

Farm No	GIR Total (m3)	Abstraction Total (m3)	GIR - Abstraction (m3)	GIR - Abstraction (%)
001-001	360,645	507,480	146,834	41
001-003	988,687	1,141,043	152,356	15
001-004	500,562	592,587	92,025	18
001-005	1,814,815	1,433,322	-381,493	-21
001-006	429.154	528,379	99.225	23
001-007	616.865	664.419	47.554	8
001-008	249,476	564,387	314,911	126
001-009	524,000	522,968	-1,032	0
001-010	98,861	278,893	180,031	182
001-011	609,629	730,737	121,107	20
001-012	742,010	644,418	-97,592	-13
001-013	6,101,190	3,231,236	-2,869,954	-47
001-015	238.997	152,997	-86.000	-36
001-016	744,730	55,658	-689,072	-93
001-017	199,048	416,460	217,412	109
001-018	273,748	687,276	413.527	151
001-019	819,936	1,252,357	432,421	53
001-020	362,952	437,202	74,250	20
001-021	530,735	1,976,333	1,445,598	272
001-022	459,574	483,169	23.595	5
001-023	376.599	394,960	18.360	5
001-024	2.475.862	2.211.766	-264.097	-11
001-025	1,443,828	1,242,125	-201,703	-14
001-026	341,036	170,812	-170,224	-50
001-027	51,366	32.119	-19,247	-37
002-001	525,992	499,578	-26,414	-5
002-002	574,835	877,318	302,484	53
002-003	314.599	284.478	-30.121	-10
002-004	770.497	1,100.671	330.174	43
002-005	264,703	159,077	-105,625	-40
002-006	702,186	499,133	-203,052	-29
002-007	383,421	826,712	443,290	116
002-008	363,026	334,716	-28,310	-8
002-009	1,438,887	1,252,585	-186,301	-13
002-010	589,103	742.080	152,977	26
002-011	439,173	292,611	-146.562	-33
002-012	1.249.914	1.108.274	-141.640	-11
002-013	213,191	261,210	48,020	23
002-014	586,650	412,624	-174,026	-30
002-015	457,239	365,221	-92,017	-20
002-016	302,713	145,628	-157,085	-52
002-017	97,108	57,983	-39,125	-40
002-018	289,588	216,280	-73,308	-25
002-019	171,184	140.162	-31.022	-18
002-020	471.549	425,714	-45.836	-10
002-021	491,706	450,114	-41,591	-8
002-022	465,908	400,344	-65,565	-14
002-023	380,479	340,626	-39,854	-10
002-024	388,042	445,978	57,935	15
002-025	379,626	181,040	-198,586	-52

APPENDIX Y TOTAL GROSS IRRIGATION REQUIREMENTS VERSUS ABSTRACTION

Farm No	GIR Total (m3)	Abstraction Total (m3)	GIR - Abstraction (m3)	GIR - Abstraction (%)
002-026	1,114,261	1,202,386	88,125	8
002-027	2,301,968	1,646,661	-655,307	-28
002-028	3,732,826	2,526,575	-1,206,252	-32
002-029	379,937	61,742	-318,195	-84
002-030	48,138	121	-48,017	-100
002-031	220,536	57,682	-162,854	-74
002-033	349,065	160,191	-188,874	-54
002-034	546,465	251,759	-294,706	-54
002-035	626,798	469,285	-157,513	-25
002-036	145,667	107,062	-38,606	-27
002-037	186,400	32,488	-153,912	-83
002-038	575,064	236,530	-338,534	-59
002-039	263,628	198,919	-64,709	-25
002-040	1,442,258	1,588,316	146,058	10
002-041	99,259	38,179	-61,080	-62
002-042	281,191	199,616	-81,575	-29
002-043	118,658	45,940	-72,718	-61
002-044	317,752	146,501	-171,251	-54
002-045	300,482	161,693	-138,789	-46
002-046	17,444	24,020	6,576	38
002-047	534,893	649,482	114,589	21
002-048	342,091	447,801	105,710	31
002-049	540,866	489,540	-51,326	-9
002-050	273,454	363,596	90,142	33
002-051	394,195	126,703	-267,492	-68
002-052	452,032	407,750	-44,283	-10
002-053	1,081,794	537,048	-544,746	-50
002-054	322,222	374,177	51,955	16
002-055	448,395	99,559	-348,836	-78
002-056	221,231	101,969	-119,262	-54
002-057	418,600	288,500	-130,099	-31
002-058	279,128	213,781	-65,346	-23
002-059	889,771	471,399	-418,372	-47
002-060	589,319	184,918	-404,401	-69
002-061	221,472	475,091	253,619	115
002-062	437,487	125,351	-312,136	-71
002-063	264,329	226,315	-38,014	-14
002-064	202,738	342,742	140,004	69
002-065	283,803	167,167	-116,636	-41
002-066	734,329	985,992	251,662	34
002-067	412,224	198,313	-213,911	-52
002-068	587,191	217,140	-370,051	-63
002-069	496,522	560,847	64,325	13
002-070	760,760	838,779	78,019	10
002-071	279,051	308,406	29,355	11
002-072	254,110	692,348	438,238	172
002-073	751,726	424,376	-327,350	-44
002-074	339,907	415,542	75,635	22
002-075	350,684	429,687	79,003	23
002-076	511,606	542,178	30,572	6

APPENDIX V TOTAL GROSS IRRIGATION REQUIREMENTS VERSUS ABSTRACTION

Farm No	GIR Total (m3)	Abstraction Total (m3)	GIR - Abstraction (m3)	GIR - Abstraction (%)
002-077	104,444	113,018	8,575	8
002-078	374,606	205,293	-169,313	-45
002-079	1,756,456	1,167,776	-588,680	-34
002-080	648,282	426,378	-221,904	-34
002-081	411.094	503,615	92.522	23
002-082	776.768	415,212	-361.557	-47
002-083	553,374	379,681	-173,693	-31
002-084	687,162	1,403,954	716,793	104
002-086	442,030	524,766	82,736	19
002-087	332,014	283,257	-48,757	-15
002-088	884,625	587,960	-296,666	-34
002-089	792,259	1,090,458	298,199	38
002-090	890.188	1.156.370	266.181	30
002-091	636.582	431,990	-204.592	-32
002-092	713,593	825,566	111,973	16
002-093	221,822	247,295	25,473	11
002-094	182,957	154,408	-28,548	-16
002-095	587,259	568,831	-18,428	-3
002-096	1,210,893	888,671	-322,222	-27
002-097	374,487	261,605	-112,882	-30
002-098	819,142	962.641	143,499	18
002-099	378.819	529,730	150.912	40
002-100	647,085	1,502,430	855,345	132
002-101	130,198	371,714	241,516	185
002-102	204,338	236,564	32,226	16
002-103	90,370	24,504	-65,866	-73
002-104	1,048,384	617,961	-430,423	-41
002-105	252,828	101,582	-151,246	-60
002-106	1,073,735	521,972	-551.764	-51
002-107	329.569	142,458	-187,110	-57
002-108	346,445	599,542	253,096	73
002-109	212,475	155,964	-56,511	-27
002-110	549,058	814,045	264,987	48
002-111	356,121	228,081	-128,041	-36
002-112	1,827,060	1,164,891	-662,169	-36
002-113	1,183,020	905,058	-277,962	-23
002-114	402,774	517.003	114.229	28
002-115	80.332	46.524	-33,808	-42
	37.332.931	22.957.398	-14.375.534	-39

APPENDIX Z

TDR READINGS AND SOIL WATER TENSION

APPENDIX Z TDR READINGS AND SOIL WATER TENSION - FARM 6

Farm 6 Grass Plot				
Alfalfa				
	Soil Tension (cb)		SME	
	30 cm	60 cm	30 cm	60 cm
15.02.99	9	12	7.8	7.3
22.02.99	15	12	7.5	7.3
02.03.99	9	10	6.65	7.5
08.03.99	9	10	6.9	8.1
19.03.99	16	16	5.9	7.1
22.03.99	10	10	5.1	6.2
21.06.99	10	14	6.3	5.4

APPENDIX Z TDR READINGS AND SOIL WATER TENSION - FARM 7

Farm 7 Grass Plot											AWC	Tension
Date	Soil Tension (cb)		TDR Readings								13.5	39
	30 cm	60 cm	0 - 30 cm		30 - 50 cm		50 - 70 cm		70 - 90 cm		14.3	65
01.02.99	14	20	23.1	21.8	16.6	17.3	16.9	17.1	13.9	13.9	14.7	32
08.02.99	16	16	20.6	19.7	16.8	16.5	18.8	19.3	15.0	15.0	17.2	16
15.02.99	12	14	21.0	20.7	18.3	18.3	19.6	20.3	15.9	15.9	18.4	15
22.02.99	15	16	20.2	19.7	16.6	17.0	19.2	19.0	16.6	16.4	18.4	16
02.03.99	16	17	19.8	18.3	15.0	15.5	17.8	17.0	15.0	14.7	19.6	12
19.03.99	32	22	15.1		14.2		15.2				19.7	14
22.03.99	39	24	15.2	14.7	12.1	11.8	14.0	14.1	12.3	12.3		
24.05.99	65	24	15.5		13.0		15.2		13.9			
Farm 7 - Alfalfa												
Date	Soil Tension (cb)		TDR Reading									
	30 cm	60 cm	0 - 30 cm		30 - 50 cm		50 - 70 cm		70 - 90 cm		AWC	Tension
01.02.99	28	22	27.8	25.7	20.4	27	35.1	33.4	35.9	35.4	25.2	28
08.02.99	20	16	29.8	28.2	31.5	30.8	37.6	37	38.2	36.1	25.7	18
15.02.99	25	20	28.1	27.9	31.7	32.2	37.5	37.0	35.9	37.1	26.6	40
22.02.99	32	26	25.7	26.8	34.4	32.0	36.2	37.8	35.8	36.3	28.5	15
02.03.99	15	20	27.6	27.2	30.5	28.6	37.4	37.1	34.9	36.7	29.2	28
19.03.99	28	24	26.1	25	32.5	33.2	32.4	33.4			29.4	50
22.03.99	18	13	25.6	24.9	25.7	26.7	30.3	31.3	31.4	31.5	29.7	32
19.04.99	40	30	26.4	25.8	27.2	27.0	36.2	35.2	34.3	34.6	30.0	25
03.05.99	50	44	26	24.7	33.0	33.8	33.3	36.7	36.0	35.9	30.1	20

APPENDIX .Z. TDR READINGS AND SOIL WATER TENSION - FARM 9

Farm 9 Grass Plot												
Date	Soil Tension (cb)		TDR Readings								AWC	Tension
	30 cm	60 cm	0 - 30 cm		30 - 50 cm		50 - 70 cm		70 - 90 cm		30.6	12
01.02.99	12	5	26		35.1		44.3		30.7		18.8	9
19.03.99	9	15	21.7	23.4	15.6	14.4	14.6	14.0	14.7	14.1		
Farm 9- Alfalfa												
Date	Soil Tension (cb)		TDR Reading									
	30 cm	60 cm	0 - 30 cm		30 - 50 cm		50 - 70 cm		70 - 90 cm		AWC	Tension
01.02.99	14	14	22		21		24.5		18.3		17.9	16
08.02.99	16	14	18.3	18.4	18.5	16.4	13.1	14.5	14.3	14.9	17.9	14
15.02.99	16	12	25.7	25.4	18.6	19.0	17.2	17.7	17.9	18.0	20.4	13
22.02.99	12	12	24.8	25.5	17.4	16.7	30.4		27.8		21.1	12
02.03.99	13	13	23.8	25.6	16.6	15.6	15.5	15.8	15.8	15.6	21.5	14
22.03.99	14	15	20.5	21.4	15.2	14.6	13.2	13.6	13.9	13.8	22.2	16

APPENDIX Z . TDR READINGS AND SOIL WATER TENSION - FARM 10

Farm 10 Grass Plot										
Date	Soil Tension (cb)		TDR Readings							
	30 cm	60 cm	0 - 30 cm		30 - 50 cm		50 - 70 cm		70 - 90 cm	
08.02.99	14	16	23.2	22.3	20.1	19.2	20.6	20.3	12.5	12.6
15.02.99	13	16	24.3	24.4	21.7	21.1	21.0	21.2	15.9	15.8
22.02.99	15	16	22.6		19.7					
02.03.99	16	18	21.2	20.9	18.5	19.1	19.8	19.6	12.9	12.4
19.03.99	16	18	23.3		20.1		12.0		14.7	
22.03.99	18	18	18.4	19.5	18.0	18.5	19.1	18.9	14.9	14.9

Date	Soil Tension (cb)		TDR	TDR	Average	Average
	30 cm	60 cm	30 cm	50 cm	0-50cm	50-70
08.02.99	14	16	22.8	19.7	21.2	20.5
15.02.99	13	16	24.4	21.4	22.9	21.1
22.02.99	15	16	22.6	19.7	21.2	
02.03.99	16	18	21.1	18.8	19.9	19.7
19.03.99	16	18	23.3	20.1	21.7	12.0
22.03.99	18	18	19.0	18.3	18.6	19.0

	Soil Tension (cb)		SME	
	30 cm	60 cm	30 cm	60 cm
14.12.98	12	14	3.9	5.9
24.12.98	12	14	4.1	5.8
04.01.99	10	12	4.3	5.4
12.01.99	16	18	4.1	
25.01.99	18	18	3.6	
01.02.99	12	16	3.3	4.8
08.02.99	14	16	3.2	4.8
15.02.99	13	16	3.8	4.9
22.02.99	15	16	4.9	4.6
08.03.99	14	15	4.0	4.3
19.03.99	16	18	4.2	4.6
22.03.99	18	18	4.4	5.3
21.06.99	12	14		5.4
30.06.99	18	18		7.1
05.07.99	14	16	6.3	7.2
12.07.99	10	14	6.6	7.3
29.07.99	15	15	6.5	

Farm 10 - Alfalfa										
Date	Soil Tension (cb)		TDR Reading							
	30 cm	60 cm	0 - 30 cm		30 - 50 cm		50 - 70 cm		70 - 90 cm	
15.02.99	10	15	23.2	23.9	12.5	14.7	6.0	3.3		
22.02.99	25	20	18.0	19.4	9.9	15.0	1.0	5.6		
02.03.99	12	18	19.7	19.4	15.0	23.5	6.1	4.0		
19.03.99	18	22	17.5	18.5	14.5	19.0	1.9	6.4		
22.03.99	10	16	19.5	21.9	21.9	8.5	3.0	2.7		

APPENDIX Z TDR READINGS AND SOIL WATER TENSION - FARM 11

Farm 11 Grass Plot												
Date	Soil Tension (cb)		TDR Readings									
	30 cm	60 cm	0 - 30 cm		30 - 50 cm		50 - 70 cm			70 - 90 cm		
26.04.99	50	76	4.5	5.9	0		0	8.5				
06.05.99	40	70	5.6		0.0		5.9			8.6		
Farm 11 - Alfalfa												
Date	Soil Tension (cb)		TDR Reading									
	30 cm	60 cm	0 - 30 cm		30 - 50 cm		50 - 70 cm			70 - 90 cm		
26.04.99	20	20	17.8		11		19.3			19		
Grass												
	Soil Tension (cb)		SME									
	30 cm	60 cm	30 cm	60 cm								
21.06.99	50	19	3.8									
01.07.99	20	12	2.7									
13.07.99	5	10	3.5									
20.07.99	10	10	2.5									
Alfalfa												
	Soil Tension (cb)		SME									
	30 cm	60 cm	30 cm	60 cm								
15.02.99	22	20	1.8									
22.02.99	20	18	1.9									
02.03.99	8	18	2.2									
19.03.99	10	16	2.4									
22.03.99	18	18	2.45									
01.07.99	15	18	1.9									
05.07.99	12	14	1.7									

APPENDIX AA

SME READINGS

APPENDIX AA SME READINGS

Grass						
Farm No	Date	Soil Tension (cb)		SME (uScm-1)		Average
		30 cm	60 cm	30 cm	60 cm	
9	21.06.99	5	10	18,100		
9	30.06.99	8	17	17,700		
9	05.07.99	6	16	17,000		
9	12.07.99	5	12	16,700		
9	19.07.99	8	15	17,000		17,300
10	14.12.98	12	14	3,900	5,900	
10	24.12.98	12	14	4,100	5,800	
10	04.01.99	10	12	4,300	5,400	
10	12.01.99	16	18	4,100		
10	25.01.99	18	18	3,600		
10	01.02.99	12	16	3,300	4,800	
10	08.02.99	14	16	3,200	4,800	
10	15.02.99	13	16	3,800	4,900	
10	22.02.99	15	16	4,900	4,600	
10	08.03.99	14	15	4,000	4,300	
10	19.03.99	16	18	4,200	4,600	
10	22.03.99	18	18	4,400	5,300	
10	21.06.99	12	14		5,400	
10	30.06.99	18	18		7,100	
10	05.07.99	14	16	6,300	7,200	
10	12.07.99	10	14	6,600	7,300	
10	29.07.99	15	15	6,500		4,480
11	21.06.99	50	19	3,800		
11	01.07.99	20	12	2,700		
11	13.07.99	5	10	3,500		
11	20.07.99	10	10	2,500		2,900

APPENDIX AA SME READINGS

Alfalfa						
Farm No	Date	Soil Tension (cb)		SME		Average
		30 cm	60 cm	30 cm	60 cm	
6	15.02.99	9	12	7,800	7,300	
6	22.02.99	15	12	7,500	7,300	
6	02.03.99	9	10	6,650	7,500	
6	08.03.99	9	10	6,900	8,100	
6	19.03.99	16	16	5,900	7,100	
6	22.03.99	10	10	5,100	6,200	
6	21.06.99	10	14	6,300	5,400	6,593
7	30.06.99	30	24	5,900		
7	05.07.99	30	24	6,300		
7	12.07.99	34	28	6,500		
7	19.07.99	24	20	7,100		6,450
10	30.06.99	14	20	2,200		
10	29.07.99	11	15	2,200		2,200
11	15.02.99	22	20	1,800		
11	22.02.99	20	18	1,900		
11	02.03.99	8	18	2,200		
11	19.03.99	10	16	2,400		
11	22.03.99	18	18	2,450		
11	01.07.99	15	18	1,900		
11	05.07.99	12	14	1,700		2,050

APPENDIX AB

SUMMARY OF PLOT WATER BALANCES - GRASS

APPENDIX AB SUMMARY OF PLOT WATER BALANCE - GRASS

The summary table below has been derived from the plot water balances in Appendix N

Element	Farm No.				
	6	7	9	10	11*
Start Date (dd.mm.yy)	16.12.97	25.01.98	19.11.97	15.11.97	5.02.98
Stop Date (dd.mm.yy)	14.04.98	17.06.99	29.12.99	27.12.99	1.06.99
Period (days)	119	508	770	772	345
ID (mm)	391	2,329	5,131	7,323	1,587
Annual ID (mmy^{-1})	NA	1,765	2,479	3622	1,680
ETc (mm)	464	2,364	4,120	3,324	1,952
Deficit/Surplus (ID-ETc)	-73	-35	1,011	3,999	-365
LR (mm)	139	213	1,236	439	58
IL (mm)	9	102	1,021	3,324	
Field Efficiency (%)	>100	>100	> 100	51	>100

* Farm 11 Meter non operational between 1.06.98 - 14.12.98

APPENDIX AC

PLOT WATER BALANCES - ALFALFA

APPENDIX AC PLOT WATER BALANCES - ALFALFA

Plot Water Balances - Alfalfa

Element	Farm No				
	6	7	9	10	11
Start	28.12.97	22.01.98	22.11.97	13.11.97	05.02.98
Stop	02.09.99	02.09.99	07.08.99	02.09.99	31.07.99
Period	613	588	623	658	541
AWC (mm)	90	90	100	90	90
Irrigation (mm)	13,005	5,926	15,112	12,186	7,279
Annual (mm)	5,934	3,966	9,578	5,831	5,068
Cropwater (mm)	3,451	3,888	5,367	3,675	3,235
Gross Demand (mm)	5,752	6,479	8,944	6,125	5,392
Deficit (mm)	9,553	2,038	9,745	8,510	4,044
Leaching (mm)	1,035	583	1,610	551	162
Losses (mm)	7,252				1,887
Efficiency (%)	34	75	46	35	47

APPENDIX AC PLOT WATER BALANCES - ALFALFA

Month	Dec	Days	ETo	Farm 6	Farm 7	Farm 9	Farm 10	Farm 11
Apr.99	2	10	6.50	149	125	174	125	114
Apr.99	3	10	6.90	158	132	185	132	121
May.99	1	10	7.29	167	140	195	140	128
May.99	2	10	7.69	176	147	206	148	134
May.99	3	11	7.72	195	163	228	163	149
Jun.99	1	10	7.76	178	149	208	149	136
Jun.99	2	10	7.79	178	149	209	150	136
Jun.99	3	10	7.59	174	145	203	146	133
Jul.99	1	10	7.38	169	141	198	142	129
Jul.99	2	10	7.18	164	137	192	138	125
Jul.99	3	11	6.95	175	146	205	147	134
Aug.99	1	10	6.72	154	129	126	129	
Aug.99	2	10	6.48	149	124		124	
Aug.99	3	11	6.35	160	134		134	
Sep.99	1	10	6.22	142	119		119	
Sep.99	2	10	6.08	139			23	
Sep.99	3	10	5.79	133				
Oct.99	1	10	5.50					
Oct.99	2	10	5.21					
Oct.99	3	11	4.74					
Nov.99	1	10	4.27					
Nov.99	2	10	3.80					
Nov.99	3	10	2.53					
				5,752	**6,479**	**8,944**	**6,125**	**5,392**

APPENDIX A: PLOT WATER BALANCES - ALFALFA

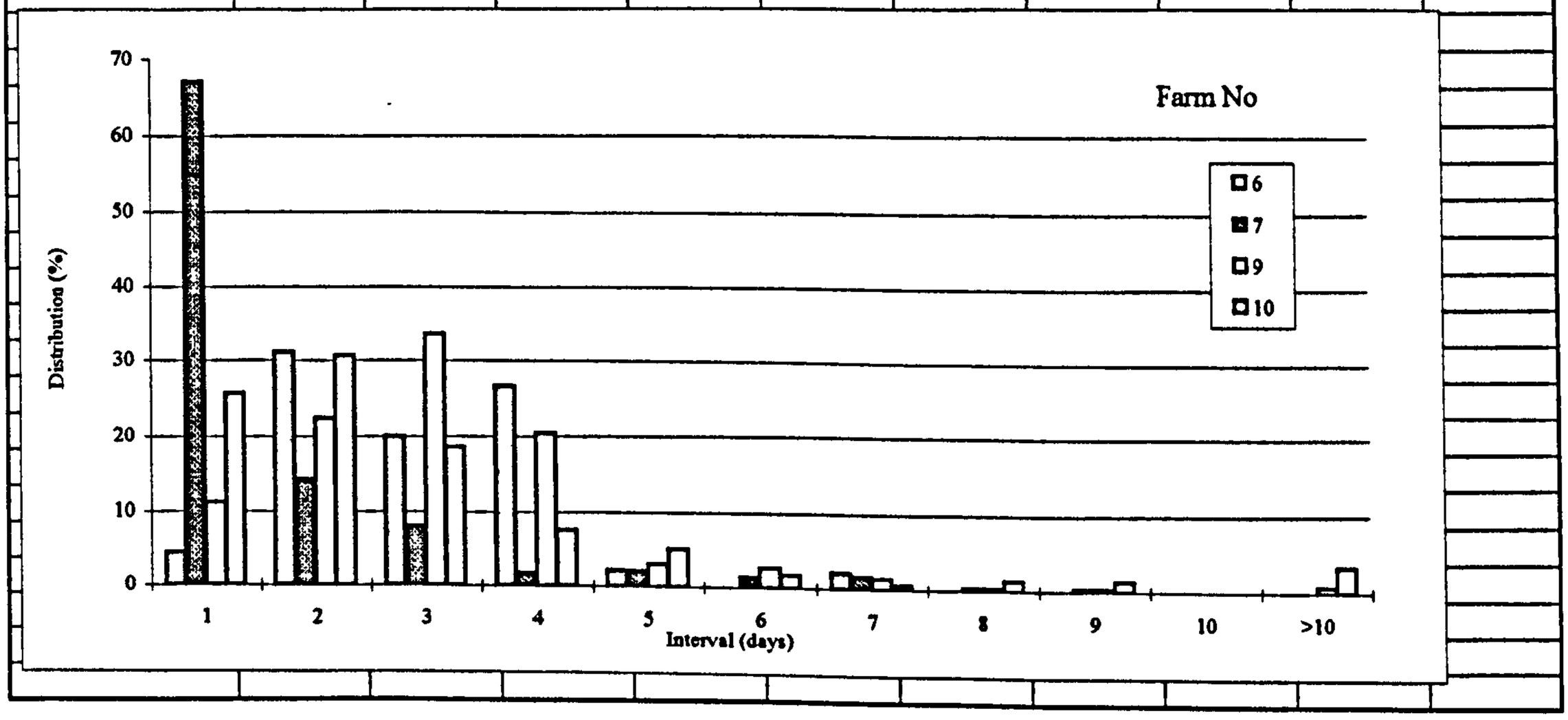
Gross Irrigation Demand per Farm per 10 days - Alfalfa								
Month	Dec	Days	ETo	Farm 6	Farm 7	Farm 9	Farm 10	Farm 11
Nov.97	2	10	3.80					
Nov.97	3	10	3.55				68	
Dec.97	1	10	3.30				63	
Dec.97	2	10	3.05			49	58	
Dec.97	3	11	3.06			90	65	
Jan.98	1	10	3.08	28		83	59	
Jan.98	2	10	3.10	71		83	59	
Jan.98	3	11	3.35	84		99	71	
Feb.98	1	10	3.59	82	21	96	69	
Feb.98	2	10	3.84	88	74	103	74	27
Feb.98	3	8	4.20	77	64	90	64	59
Mar.98	1	10	4.56	104	87	122	87	80
Mar.98	2	10	4.92	113	94	132	94	86
Mar.98	3	11	5.45	137	115	160	115	105
Apr.98	1	10	5.97	137	114	160	115	104
Apr.98	2	10	6.50	149	125	174	125	114
Apr.98	3	10	6.90	158	132	185	132	121
May.98	1	10	7.29	167	140	195	140	128
May.98	2	10	7.69	176	147	206	148	134
May.98	3	11	7.72	195	163	228	163	149
Jun.98	1	10	7.76	178	149	208	149	136
Jun.98	2	10	7.79	178	149	209	150	136
Jun.98	3	10	7.59	174	145	203	146	133
Jul.98	1	10	7.38	85	141	198	142	129
Jul.98	2	10	7.18		137	192	138	125
Jul.98	3	11	6.95		146	205	147	134
Aug.98	1	10	6.72		129	180	129	117
Aug.98	2	10	6.48		124	174	124	113
Aug.98	3	11	6.35		134	187	134	122
Sep.98	1	10	6.22		119	166	83	109
Sep.98	2	10	6.08		117	163		106
Sep.98	3	10	5.79		111	155		101
Oct.98	1	10	5.50		105	147		96
Oct.98	2	10	5.21		100	140		91
Oct.98	3	11	4.74		100	140		91
Nov.98	1	10	4.27		82	114		75
Nov.98	2	10	3.80		73	102		66
Nov.98	3	10	3.55		68	95		62
Dec.98	1	10	3.30		63	88		58
Dec.98	2	10	3.05		58	82	35	53
Dec.98	3	11	3.06		65	90	65	59
Jan.99	1	10	3.08		59	83	59	54
Jan.99	2	10	3.10		59	83	59	54
Jan.99	3	11	3.35		71	99	71	64
Feb.99	1	10	3.59		69	96	69	63
Feb.99	2	10	3.84	44	74	103	74	67
Feb.99	3	8	4.20	77	64	90	64	59
Mar.99	1	10	4.56	104	87	122	87	80
Mar.99	2	10	4.92	113	94	132	94	86
Mar.99	3	11	5.45	137	115	160	115	105
Apr.99	1	10	5.97	137	114	160	115	104

APPENDIX AD

DISTRIBUTION OF SPRINKLER FREQUENCY AND RATES

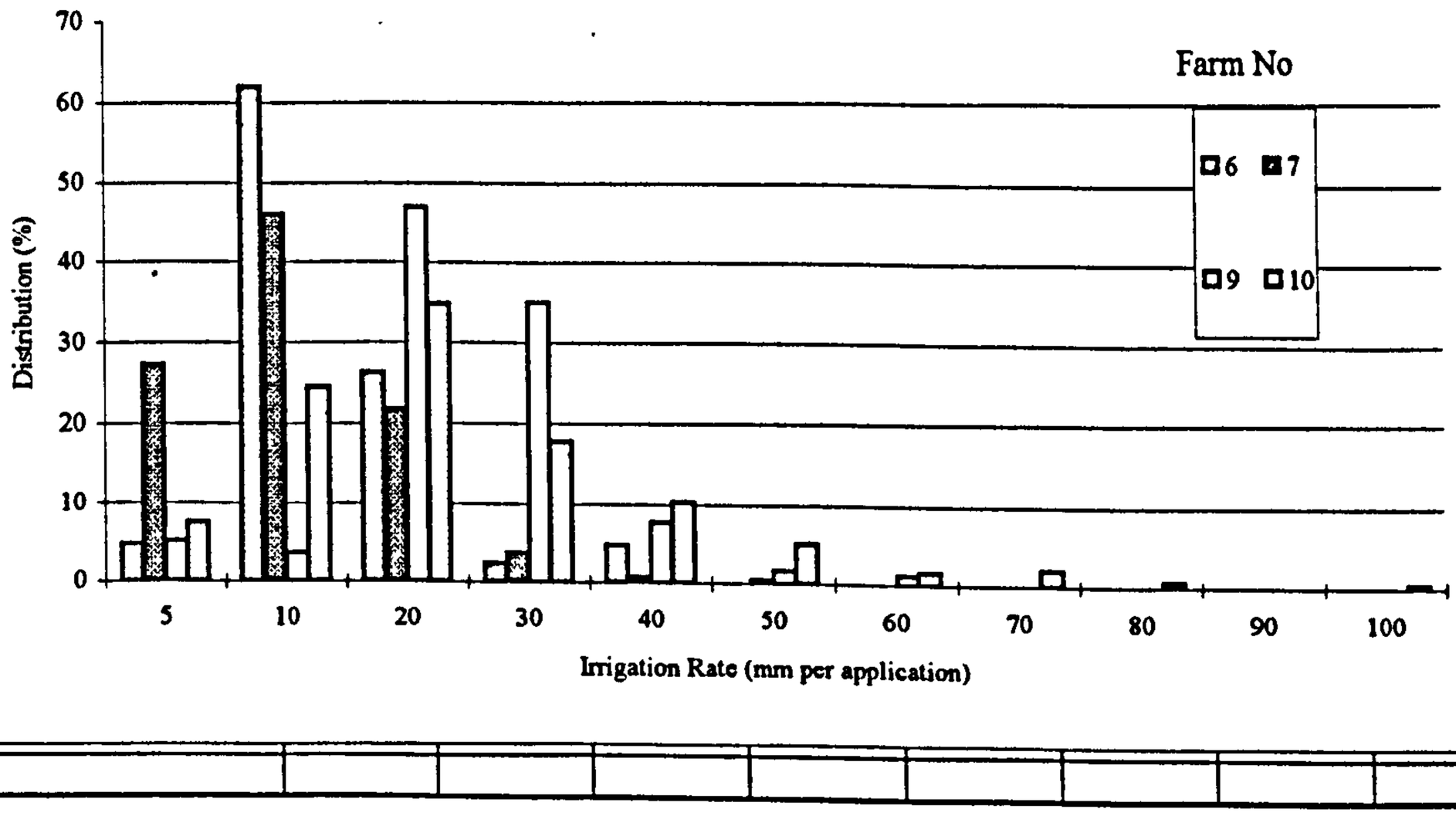
APPENDIX AE DISTRIBUTION OF SPRINKLER IRRIGATION FREQUENCY AND RATES

Summary of Irrigation Intervals - days between applications										
	Farm No (No)				Farm No (%)					
Interval (day)	6	7	9	10	6	7	9	10		
1	2	183	29	70	4.44	67.03	11.20	25.55		
2	14	39	58	84	31.11	14.29	22.39	30.66		
3	9	22	87	51	20.00	8.06	33.59	18.61		
4	12	5	53	21	26.67	1.83	20.46	7.66		
5	1	6	8	14	2.22	2.20	3.09	5.11		
6	0	4	7	5	0.00	1.47	2.70	1.82		
7	1	5	4	2	2.22	1.83	1.54	0.73		
8	0	1	1	4	0.00	0.37	0.39	1.46		
9	0	1	1	4	0.00	0.37	0.39	1.46		
10	0	0	0	0	0.00	0.00	0.00	0.00		
>10			2	9	0.00	0.00	0.77	3.28		
Total	45	273	259	274						



APPENDIX AE DISTRIBUTION OF SPRINKLER IRRIGATION FREQUENCY AND RATES

Summary of Irrigation Rates - Depth per Application (mm)									
	Farm No (No)				Farm No (%)				
Application (mm)	6	7	9	10	6	7	9	10	
5	2	73	13	19	4.76	27.34	5.22	7.51	
10	26	123	9	62	61.90	46.07	3.61	24.51	
20	11	58	117	88	26.19	21.72	46.99	34.78	
30	1	10	87	45	2.38	3.75	34.94	17.79	
40	2	2	19	26	4.76	0.75	7.63	10.28	
50	0	1	4	13	0.00	0.37	1.61	5.14	
60			3	4	0.00	0.00	1.20	1.58	
70				5	0.00	0.00	0.00	1.98	
80				2	0.00	0.00	0.00	0.79	
90				0	0.00	0.00	0.00	0.00	
100				1	0.00	0.00	0.00	0.40	
Total	42	267	249	253					



APPENDIX AE

BARKA PROFILE MODEL

APPENDIX AE

BARKA GROUNDWATER PROFILE MODEL

This appendix provides an overview of the Barka Goundwater Profile Model developed in 1994-95, by Mr. Richard Lakey (Lakey, 1996). The purpose of the model is to provide a methodology for the assessment of the impact of land use and management options on groundwater in the southern Batinah. Mr. Lakey kindly consented to the use of the model for the evaluation of management options presented in Chapter Seven (Volume 1) of this study. Appendix AF lists the model results in tabular form.

The model is the first stage in the development of a three dimensional areal flow model (MODFLOW) for the southern Batinah, to include Wadis Taww, Ajal (a recently defined sub-unit of Taww and Ma'awil), and Ma'awil and the adjacent catchments to the north of Wadis Bani Kharus and Fara (MWR, 1996c). The development of this larger sub-regional model was initiated in the mid-1990s, however it yet to be commissioned due to other priority work.

The Barka Profile model provides the best available tool for the assessment of spatial and temporal changes in groundwater conditions within the study area. As described below, the model is a representative "slice" of the aquifer and has been calibrated against monitoring wells within the area over the period 1977-96. Listed below is a description of the model, its calibration and sensitivity analysis. In general the model is reported to be quite robust and can accommodate large flux changes without becoming unstable (Lakey, 1996).

Model Description

The model is based on a comprehensive study of the hydrogeological features of the southern Batinah (MWR, 1995c), utilizing information and data from drilling and geophysical programmes, hydraulic testing , chemical sampling and long-term monitoring records for rainfall, wadi flow and groundwater level. The selected profile is located to provide a representative 'slice' of the hydrogeological and agricultural characteristics of the area, as well as to take best advantage of calibration data from drilling, testing and well monitoring records.

The development of the model included the evaluation of water flow and storage characteristics for three layers, based on well lithology and pumping test results. It also integrates data from the National Well Inventory Programme for all farms located within the slice. Water demand is based on the combined net water demand within each model cell. The net demand is defined as the net loss of water to evaporation and evapotranspiration, from both irrigated and natural vegetation.

The model slice is located approximately in the centre of Wadi Ma'awil and runs inland perpendicular to the coast across the alluvial plain and into the mountainous upper catchment, as shown in Figure 1.

The model domain is based on cells of 1,250 m side length transecting the Wadi Ma'awil catchment, from the sea to the upper catchment. It comprises three layers according to the primary hydrostatigraphic units, these are:

Layer 1: Sub Recent and Recent alluvium; unconfined

Layer 2: Ancient alluvium; semi confined

Layer 3: Various bedrock units; ranging from unconfined to confined

Figure 2 illustrates the hydrogeological cross-section of the profile, location of the cells (rows 10-35) and monitoring wells. The model was calibrated on the historical records of groundwater levels from eight monitored wells, located within the slice. Four of these wells (JT-72, BM-1, RE-4 and RE-3) were selected to present the response and trends (current and predicted) in groundwater levels, as discussed in Chapter Seven.

It should be noted that for the purposes of this study the cells of primary interest in terms of evaluation of responses to management options, are those located on the lower coastal plain, within the study area, these are rows 12-19. All four of the above monitoring wells are located within these cells.

All extraction on the coastal plain is from Layer 1. The primary role of both Layers 2 and 3 is to transmit recharge to Layer 1. Therefore the following sections refer primarily to Layer 1.

The following description of the model calibration and sensitivity analysis was provided by the model developer, Mr. Richard Lakey, and is based on a previously published description of the model (Lakey, 1996).

Calibration

The history of the area indicates that a steady increase in development has occurred since the early 1960s. There is no water level data available for that time, nor are any records of the change in extraction over time available. It is highly probable that this flow system has never been in steady state since the early 1960s.

The longer hydrograph records clearly show a steady decline from the early 1970s when monitoring commenced. Early simulations showed that the flow system is very sensitive to extraction, and comparatively insensitive to direct recharge to Layer 1. This is primarily due to the relative magnitude of these fluxes and the size of groundwater storage.

It is not therefore realistic to attempt to define the hydraulic conductivity distribution using the conventional steady state simulation approach, based upon an estimated average extraction, average recharge, and assumed hydraulic head distribution. Consequently a different approach was adopted.

The first stage of the calibration involved adjusting the pre-1981 extraction (rows 12 to 15), to achieve the observed hydraulic gradient and hydrograph response using a realistic range of K and S values, based upon the hydraulic data review presented in Lakey (1996).

The first stage of calibration was achieved when:

- The correct hydraulic gradient from RE-3 to JT-72 was established and maintained;
- The simulated response matched the observed response of the observation wells up to 1981 in the northern area (north of ADG-17) without disturbing the water table further south;

- Bedrock seepage did not inflate the water table, nor cause water table decline; i.e. seepage could be transported by the alluvium without mounding;
- Layers 2 and 3 heads and gradients were stable and acceptable;
- There was no significant change in storage during the simulation (Dec 1976 to Dec 1992).
- An acceptable hydraulic conductivity distribution was obtained.

The second stage of calibration involved the progressively increasing extraction from rows 16 to 19 from 1982 to 1992 until the observed hydrograph response in all observation wells was simulated correctly. Progressive development in rows 16 to 19 was sufficient to produce the additional drawdown observed in the traditional farming area over this period. Using this method, calibrations were achieved for two hydraulic conductivity distributions (low (40 md^{-1}) and high (60 md^{-1})) within rows 12 to 19. Observation well calibrations are shown in Figures 3 to 5. The plots for the low hydraulic conductivity were almost identical. One of the compromises involved in using a finite difference model is that cell nodes and observation well locations do not always coincide. For example well JT-72 is located mid way between rows 12 and 13, if the well is calibrated against row 12, drawdown is lower than the observed level, whereas row 13 results in greater than observed drawdown.

Sensitivity Analysis

The sensitivity of the model to hydraulic conductivity, specific yield, direct recharge and extraction was tested systematically varying each parameter and observing the response.

Layer 1 is predictably highly sensitive to extraction, the dominant flux. The extraction distribution has been derived from the NWIP and adjusted during calibration for progressive development pre-inventory. Since the base data have been obtained by detailed field survey it is considered the best available.

As shown in Figures 6 and 7 the sensitivity of the model to hydraulic conductivity increases with increasing extraction north of the Batinah highway (greater than row

16), and that it is relatively insensitive to hydraulic conductivity south of the highway in the more highly transmissive thicker aquifer sequence.

The sensitivity to reducing specific yield from 0.2 to 0.05 in the main production areas north (rows 12-15) and south (16-19) of the highway is presented in Figure 8. It shows that sensitivity increases with increasing extraction with no significant effect evident until the post 1981 increase in pumping. The model is more sensitive to specific yield in the area south of the highway, due to the greater reliance on stored water compared to the near coastal area where yield is buffered by saline intrusion. The model was calibrated with mid range specific yields of 0.20 and 0.15 for the high and low hydraulic conductivity calibrations respectively.

Summary of Flow System Response to Development

Water goes into storage in all layers during wet periods and is released during dry periods, but as extraction increases recharge becomes inadequate and the water balance is increasingly reliant on storage reduction and saline intrusion. Seepage inflows from Layers 2 and 3 remain relatively constant because the controlling gradients are relatively constant. Seepage continues through both wet and dry stress periods. However, there is a steady increase in the rate of saline intrusion as water tables drop along the coast.

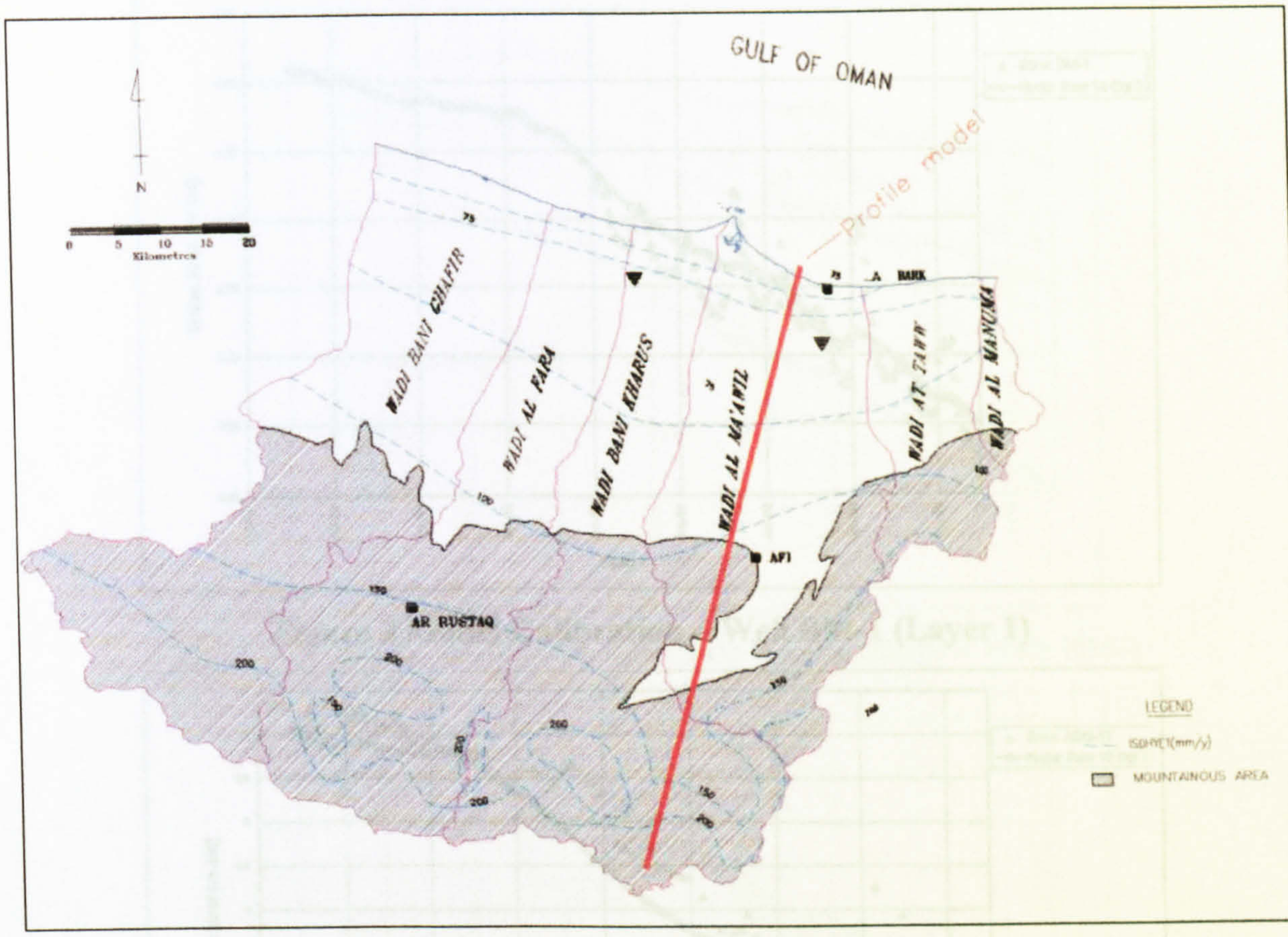


Figure 1 Location of Profile Model

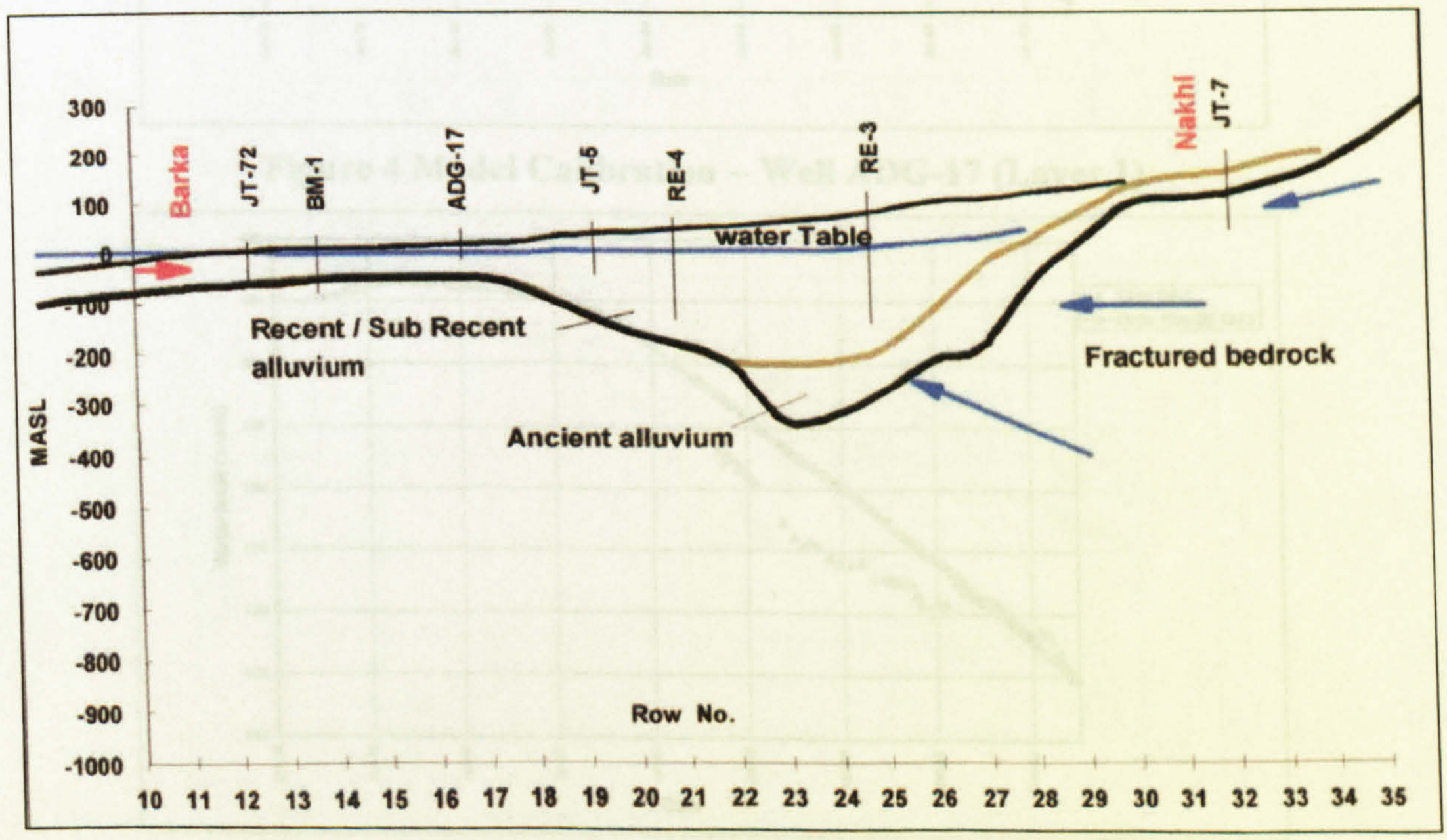


Figure 2 Hydrogeological Framework and Profile Model Layers

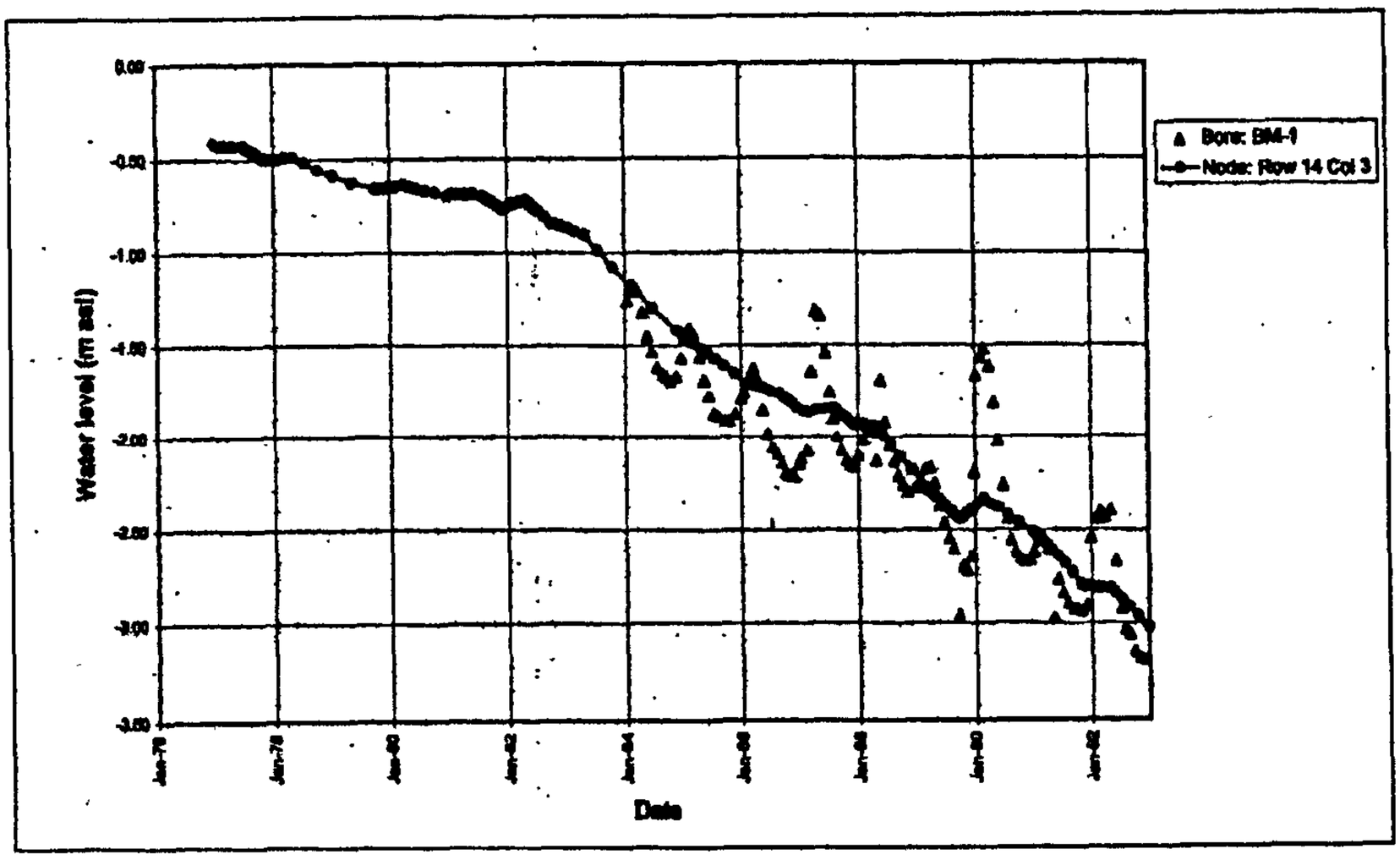


Figure 3 Model Calibration – Well BM-1 (Layer 1)

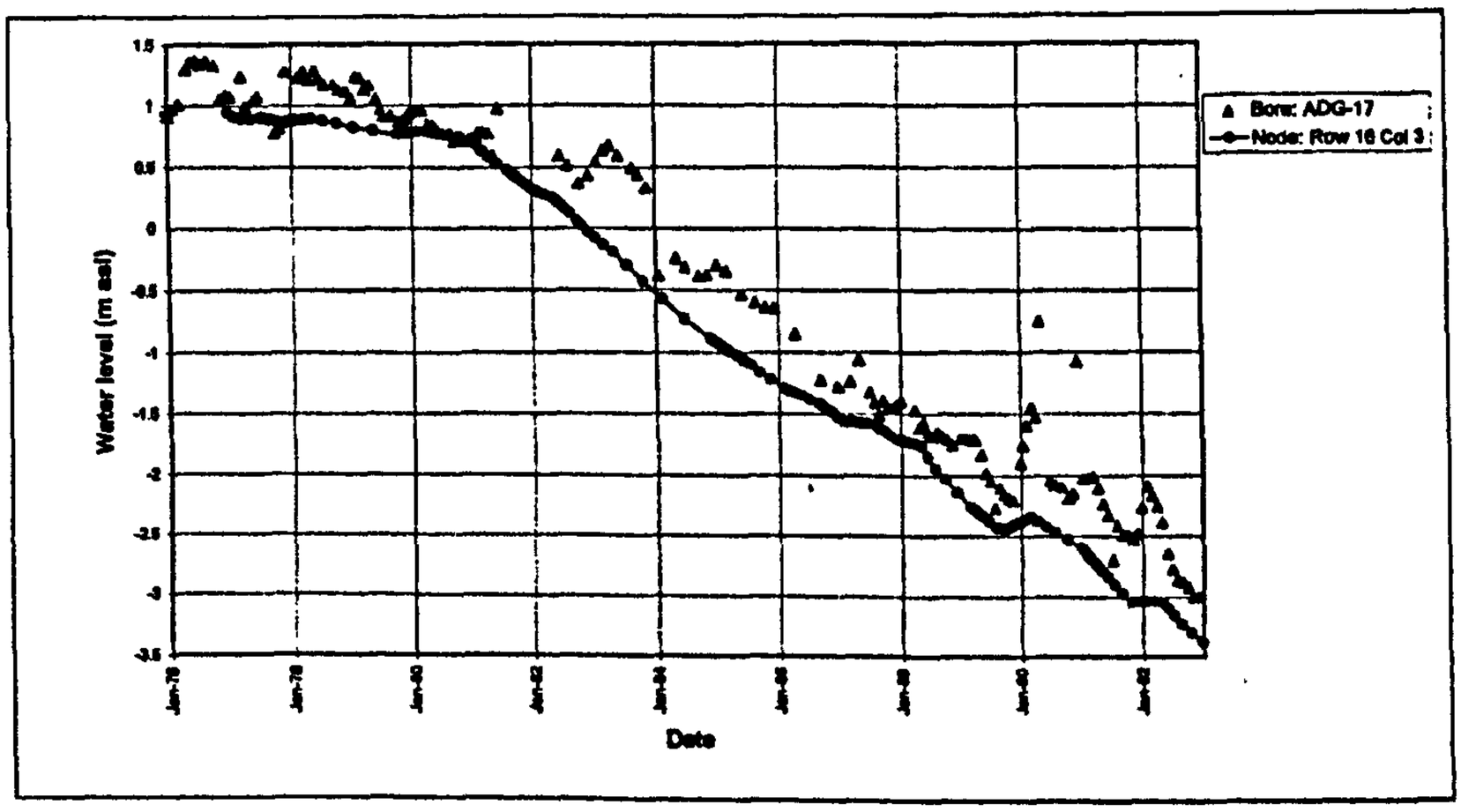


Figure 4 Model Calibration – Well ADG-17 (Layer 1)

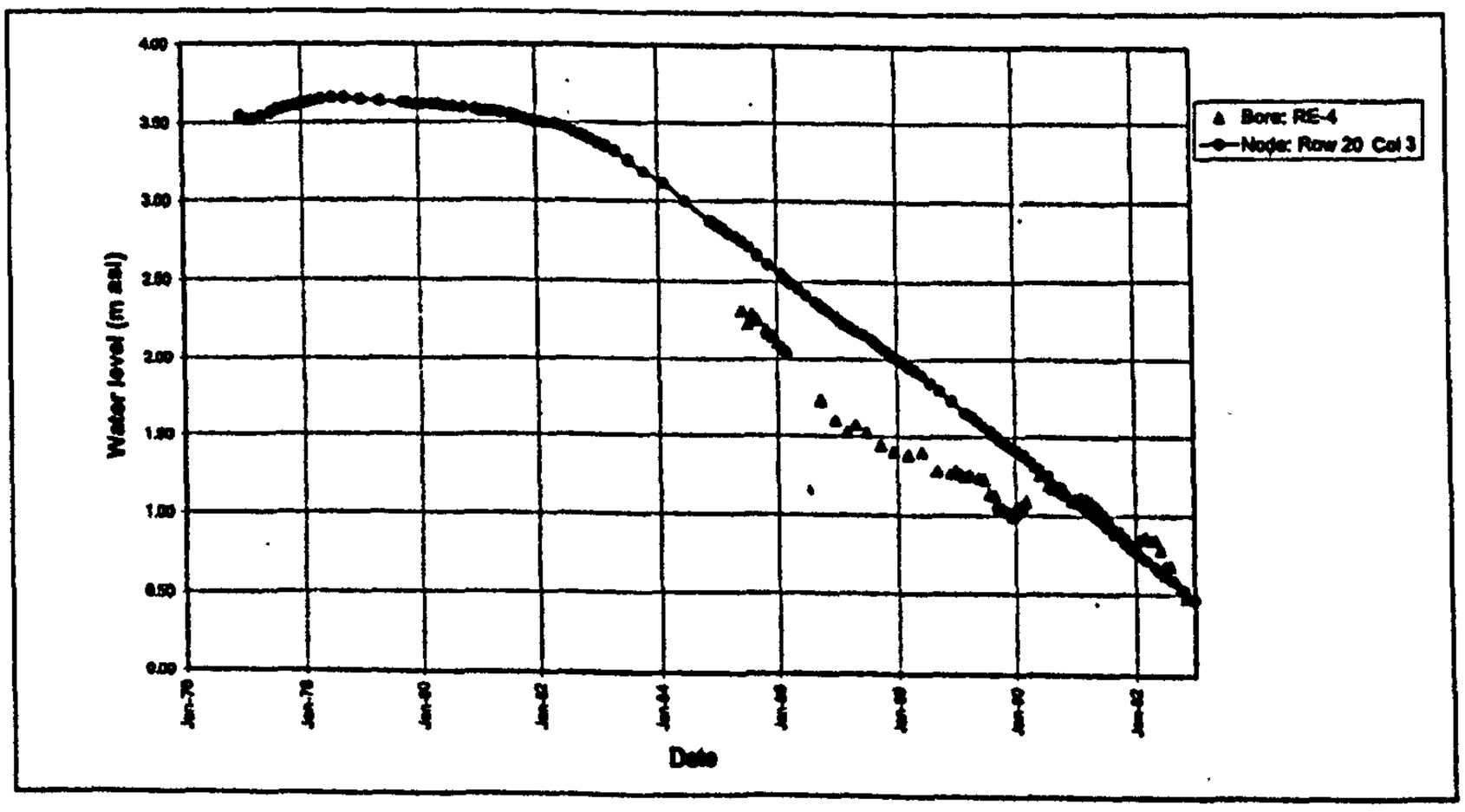


Figure 5 Model Calibration – Well RE-4 (Layer 1)

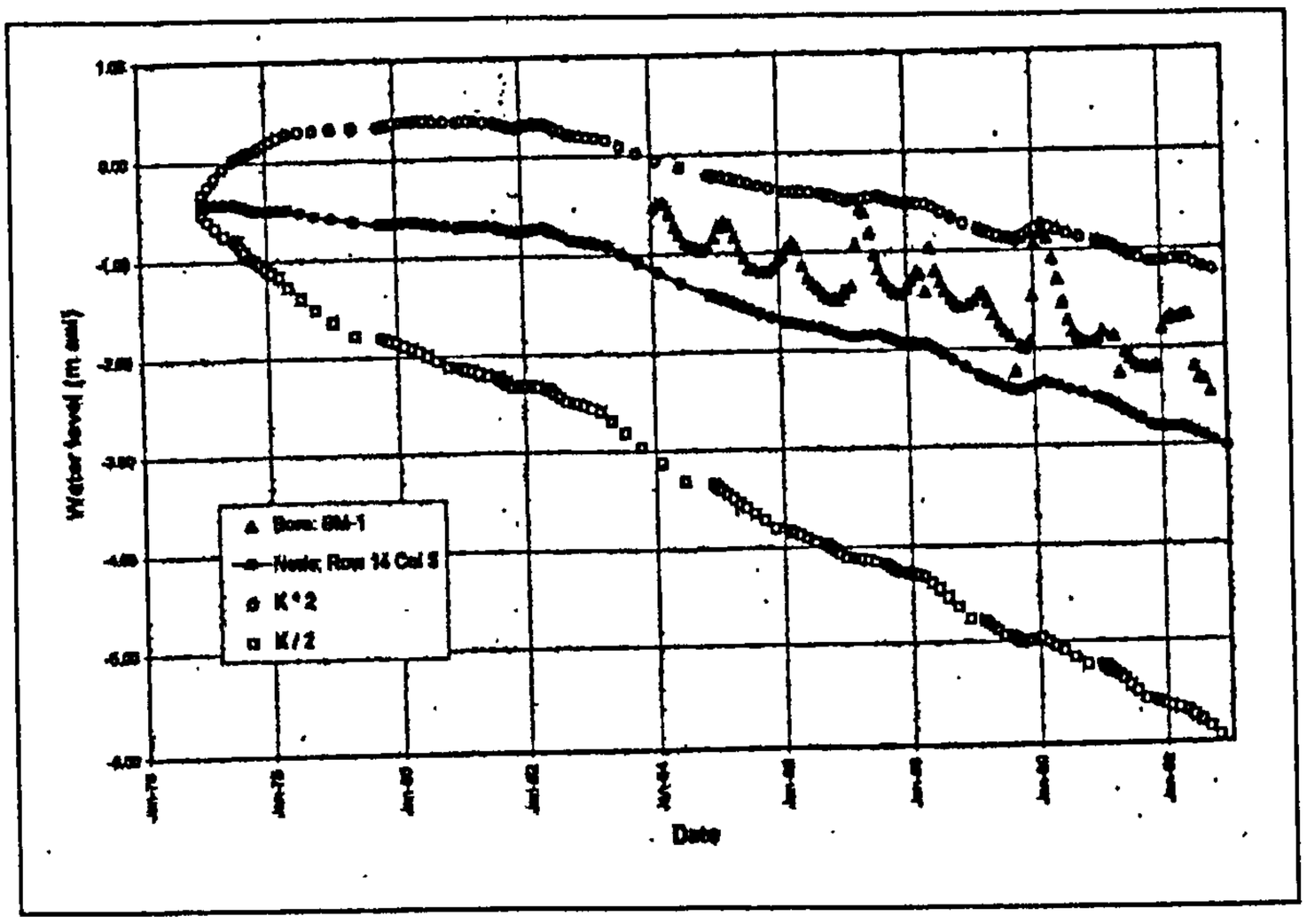


Figure 6 Model Sensitivity to Hydraulc Conductivity – Well BM-1

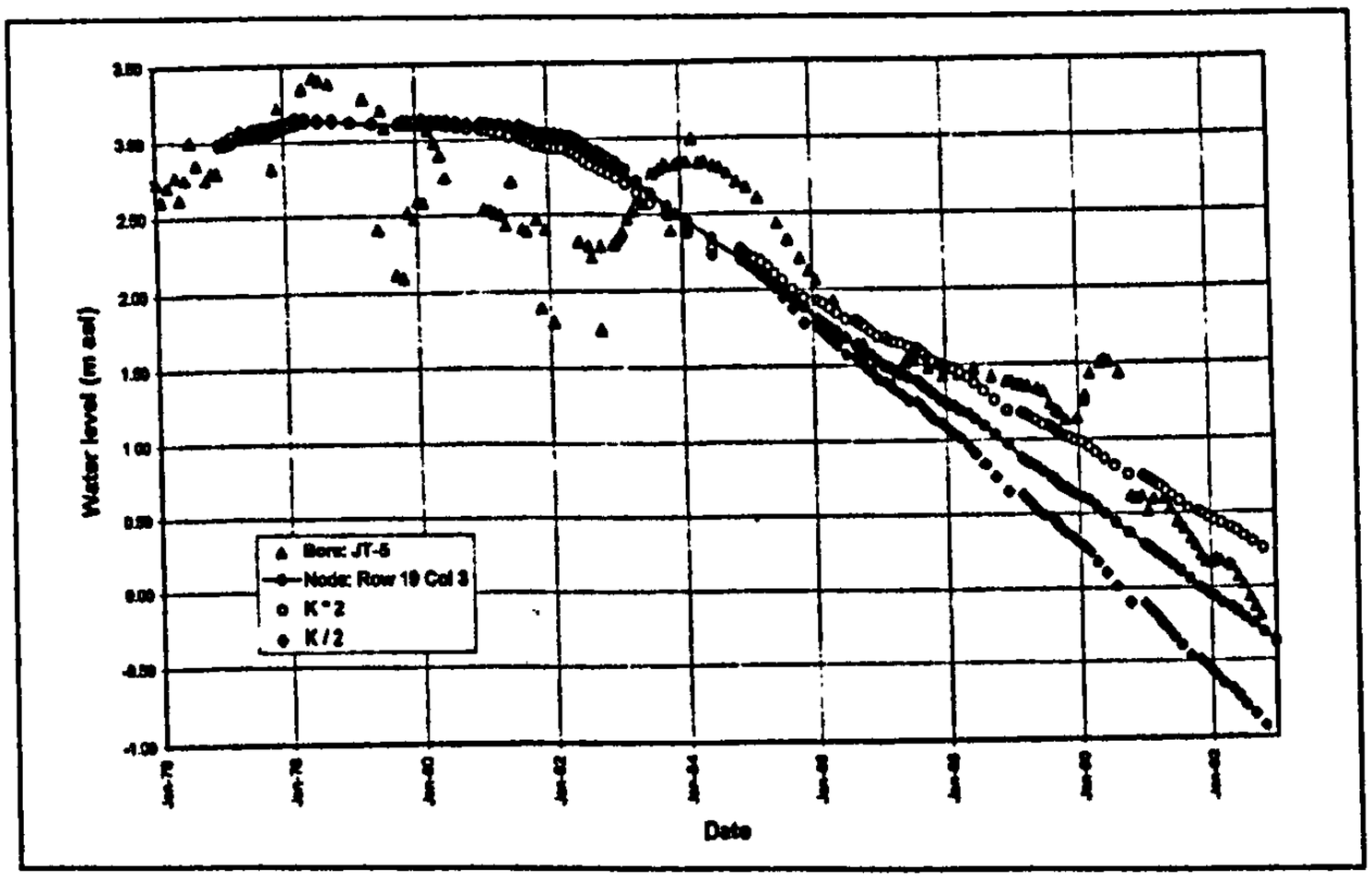


Figure 7 Model Sensititivty to Hydraulic Conductivity – Well JT-5

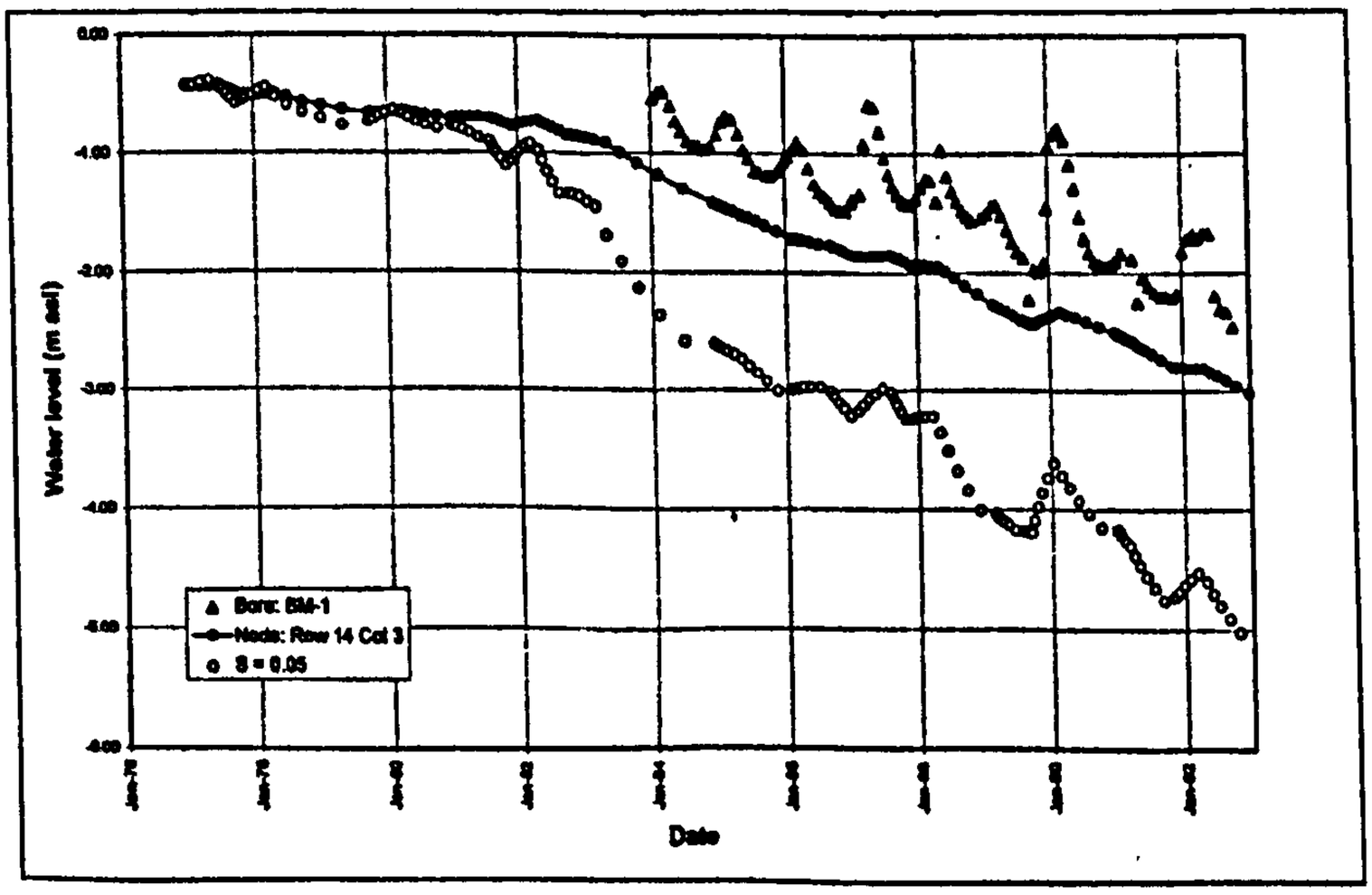


Figure 8 Model Sensitivity to Specific Yield – Well BM-1

APPENDIX AF

BARKA PROFILE MODEL RESULTS

SUMMARY OF MODEL RESULTS

Rate of Change of Storage (m^3d^{-1})

Year	Non-Int.	DM30-2000	DM30-2008	DM50-2000	DM50-2008	Zero-2008	SM-2008
1977	834						
1984	-8,278						
1992	-10,543						
1996	-12,782						
2000	-5,435	-653		2,964			
2008	-669	-2	3,640	2,560	6,758	-669	18630
2017	981	-101	2,263	1,846	4,461	10,761	12477
2025	1,689	-336	1,420	1,179	3,051	7,208	8488
2033	1,618	-589	758	577	1,958	4,830	5790
2041	1,280	-865	-204	40	1,077	3,099	3734

Rate of Change of Saline Intrusion (m^3d^{-1})

Year	Non-Int.	DM30-2000	DM30-2008	DM50-2000	DM50-2008	Zero-2008	SM-2008
1977	2,694						
1984	4,066						
1992	7,376						
1996	10,281						
2000	10,739	10,474		10,274			
2008	8,670	7,692	8,604	6,472	8,559	8,670	8542
2017	6,838	6,354	6,042	4,529	5,123	3,225	2434
2025	5,449	5,654	4,744	3,497	3,425	1,359	378
2033	4,328	5,280	3,972	3,112	2,781	402	-690
2041	3,468	4,976	3,493	2,811	2,296	-247	-1343

Water Use (Net Water Demand) (m^3d^{-1})

Year	Non-Int.	DM30-2000	DM30-2008	DM50-2000	DM50-2008	Zero-2008	SM-2008
1977	10,989						
1984	20,385						
1992	26,038						
1996	34,451						
2000	25,229	20,147		16,308			
2008	17,503	15,800	13,105	11,960	9,935	0	2013
2017	13,938	14,511	11,816	10,671	8,646	0	724
2025	11,785	14,016	11,321	10,176	8,152	0	229
2033	10,687	13,869	11,174	10,030	8,005	0	82
2041	10,003	13,816	11,121	9,977	7,952	0	30

Well JT-72 Water Levels (mamsl)

Date	Non-Int.	DM30-2000	DM30-2008	DM50-2000	DM50-2008	Zero-2008	SM-2008
29.12.76	0.01	0.01	0.01	0.01	0.01	0.01	0.01
01.02.77	0.01	0.01	0.01	0.01	0.01	0.01	0.01
15.03.77	0.01	0.01	0.01	0.01	0.01	0.01	0.01
03.05.77	0.01	0.01	0.01	0.01	0.00	0.01	0.01
02.07.77	0.00	0.00	0.00	0.00	0.01	0.00	0.00
18.07.77	-0.01	-0.01	-0.01	-0.01	0.02	-0.01	-0.01
07.08.77	-0.02	-0.02	-0.02	-0.02	0.03	-0.02	-0.02
30.08.77	-0.03	-0.03	-0.03	-0.03	0.04	-0.03	-0.03
28.09.77	-0.04	-0.04	-0.04	-0.04	0.05	-0.04	-0.04
01.11.77	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
25.11.77	-0.05	-0.05	-0.05	-0.05	0.05	-0.05	-0.05
24.12.77	-0.05	-0.05	-0.05	-0.05	0.04	-0.05	-0.05
29.01.78	-0.04	-0.04	-0.04	-0.04	0.04	-0.04	-0.04
12.03.78	-0.04	-0.04	-0.04	-0.04	0.04	-0.04	-0.04
01.05.78	-0.04	-0.04	-0.04	-0.04	0.06	-0.04	-0.04
10.07.78	-0.06	-0.06	-0.06	-0.06	0.09	-0.06	-0.06
01.10.78	-0.09	-0.09	-0.09	-0.09	-0.11	-0.09	-0.09
09.01.79	-0.11	-0.11	-0.11	-0.11	-0.12	-0.11	-0.11
09.05.79	-0.12	-0.12	-0.12	-0.12	-0.14	-0.12	-0.12
01.10.79	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14
25.10.79	-0.14	-0.14	-0.14	-0.14	-0.13	-0.14	-0.14
23.11.79	-0.13	-0.13	-0.13	-0.13	-0.13	-0.13	-0.13
29.12.79	-0.13	-0.13	-0.13	-0.13	-0.12	-0.13	-0.13
09.02.80	-0.12	-0.12	-0.12	-0.12	-0.12	-0.12	-0.12
31.03.80	-0.12	-0.12	-0.12	-0.12	-0.13	-0.12	-0.12
06.05.80	-0.13	-0.13	-0.13	-0.13	-0.13	-0.13	-0.13
20.06.80	-0.13	-0.13	-0.13	-0.13	-0.14	-0.13	-0.13
12.08.80	-0.14	-0.14	-0.14	-0.14	-0.15	-0.14	-0.14
14.10.80	-0.15	-0.15	-0.15	-0.15	-0.16	-0.15	-0.15
30.12.80	-0.16	-0.16	-0.16	-0.16	-0.15	-0.16	-0.16
27.01.81	-0.15	-0.15	-0.15	-0.15	-0.14	-0.15	-0.15
02.03.81	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14
13.04.81	-0.14	-0.14	-0.14	-0.14	-0.13	-0.14	-0.14
01.06.81	-0.13	-0.13	-0.13	-0.13	-0.13	-0.13	-0.13
31.07.81	-0.13	-0.13	-0.13	-0.13	-0.14	-0.13	-0.13
16.08.81	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14
05.09.81	-0.14	-0.14	-0.14	-0.14	-0.15	-0.14	-0.14
28.09.81	-0.15	-0.15	-0.15	-0.15	-0.16	-0.15	-0.15
27.10.81	-0.16	-0.16	-0.16	-0.16	-0.17	-0.16	-0.16
30.11.81	-0.17	-0.17	-0.17	-0.17	-0.15	-0.17	-0.17
20.12.81	-0.15	-0.15	-0.15	-0.15	-0.14	-0.15	-0.15
13.01.82	-0.14	-0.14	-0.14	-0.14	-0.13	-0.14	-0.14
12.02.82	-0.13	-0.13	-0.13	-0.13	-0.11	-0.13	-0.13
19.03.82	-0.11	-0.11	-0.11	-0.11	-0.10	-0.11	-0.11
01.05.82	-0.10	-0.10	-0.10	-0.10	-0.11	-0.10	-0.10
21.05.82	-0.11	-0.11	-0.11	-0.11	-0.13	-0.11	-0.11
14.06.82	-0.13	-0.13	-0.13	-0.13	-0.14	-0.13	-0.13
14.07.82	-0.14	-0.14	-0.14	-0.14	-0.16	-0.14	-0.14
18.08.82	-0.16	-0.16	-0.16	-0.16	-0.18	-0.16	-0.16
30.09.82	-0.18	-0.18	-0.18	-0.18	-0.17	-0.18	-0.18
28.10.82	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17
01.12.82	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17
12.01.83	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17
02.03.83	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17

Well JT-72 Water Levels (mamsl)

Date	Non-Int.	DM30-2000	DM30-2008	DM50-2000	DM50-2008	Zero-2008	SM-2008
01.05.83	-0.17	-0.17	-0.17	-0.17	-0.21	-0.17	-0.17
17.07.83	-0.21	-0.21	-0.21	-0.21	-0.25	-0.21	-0.21
18.10.83	-0.25	-0.25	-0.25	-0.25	-0.30	-0.25	-0.25
07.02.84	-0.30	-0.30	-0.30	-0.30	-0.35	-0.30	-0.30
20.06.84	-0.35	-0.35	-0.35	-0.35	-0.41	-0.35	-0.35
29.11.84	-0.41	-0.41	-0.41	-0.41	-0.41	-0.41	-0.41
19.12.84	-0.41	-0.41	-0.41	-0.41	-0.42	-0.41	-0.41
12.01.85	-0.42	-0.42	-0.42	-0.42	-0.43	-0.42	-0.42
11.02.85	-0.43	-0.43	-0.43	-0.43	-0.44	-0.43	-0.43
18.03.85	-0.44	-0.44	-0.44	-0.44	-0.45	-0.44	-0.44
30.04.85	-0.45	-0.45	-0.45	-0.45	-0.47	-0.45	-0.45
05.06.85	-0.47	-0.47	-0.47	-0.47	-0.48	-0.47	-0.47
20.07.85	-0.48	-0.48	-0.48	-0.48	-0.50	-0.48	-0.48
11.09.85	-0.50	-0.50	-0.50	-0.50	-0.52	-0.50	-0.50
13.11.85	-0.52	-0.52	-0.52	-0.52	-0.55	-0.52	-0.52
29.01.86	-0.55	-0.55	-0.55	-0.55	-0.55	-0.55	-0.55
26.02.86	-0.55	-0.55	-0.55	-0.55	-0.55	-0.55	-0.55
01.04.86	-0.55	-0.55	-0.55	-0.55	-0.55	-0.55	-0.55
13.05.86	-0.55	-0.55	-0.55	-0.55	-0.55	-0.55	-0.55
01.07.86	-0.55	-0.55	-0.55	-0.55	-0.55	-0.55	-0.55
30.08.86	-0.55	-0.55	-0.55	-0.55	-0.56	-0.55	-0.55
19.09.86	-0.56	-0.56	-0.56	-0.56	-0.57	-0.56	-0.56
13.10.86	-0.57	-0.57	-0.57	-0.57	-0.59	-0.57	-0.57
12.11.86	-0.59	-0.59	-0.59	-0.59	-0.60	-0.59	-0.59
17.12.86	-0.60	-0.60	-0.60	-0.60	-0.61	-0.60	-0.60
29.01.87	-0.61	-0.61	-0.61	-0.61	-0.61	-0.61	-0.61
22.02.87	-0.61	-0.61	-0.61	-0.61	-0.60	-0.61	-0.61
23.03.87	-0.60	-0.60	-0.60	-0.60	-0.59	-0.60	-0.60
28.04.87	-0.59	-0.59	-0.59	-0.59	-0.58	-0.59	-0.59
09.06.87	-0.58	-0.58	-0.58	-0.58	-0.57	-0.58	-0.58
30.07.87	-0.57	-0.57	-0.57	-0.57	-0.58	-0.57	-0.57
15.08.87	-0.58	-0.58	-0.58	-0.58	-0.59	-0.58	-0.58
04.09.87	-0.59	-0.59	-0.59	-0.59	-0.60	-0.59	-0.59
27.09.87	-0.60	-0.60	-0.60	-0.60	-0.62	-0.60	-0.60
26.10.87	-0.62	-0.62	-0.62	-0.62	-0.63	-0.62	-0.62
29.11.87	-0.63	-0.63	-0.63	-0.63	-0.62	-0.63	-0.63
19.12.87	-0.62	-0.62	-0.62	-0.62	-0.62	-0.62	-0.62
12.01.88	-0.62	-0.62	-0.62	-0.62	-0.61	-0.62	-0.62
11.02.88	-0.61	-0.61	-0.61	-0.61	-0.60	-0.61	-0.61
17.03.88	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60
29.04.88	-0.60	-0.60	-0.60	-0.60	-0.63	-0.60	-0.60
08.06.88	-0.63	-0.63	-0.63	-0.63	-0.66	-0.63	-0.63
27.07.88	-0.66	-0.66	-0.66	-0.66	-0.69	-0.66	-0.66
24.09.88	-0.69	-0.69	-0.69	-0.69	-0.73	-0.69	-0.69
04.12.88	-0.73	-0.73	-0.73	-0.73	-0.77	-0.73	-0.73
27.02.89	-0.77	-0.77	-0.77	-0.77	-0.78	-0.77	-0.77
19.03.89	-0.78	-0.78	-0.78	-0.78	-0.79	-0.78	-0.78
12.04.89	-0.79	-0.79	-0.79	-0.79	-0.80	-0.79	-0.79
12.05.89	-0.80	-0.80	-0.80	-0.80	-0.82	-0.80	-0.80
16.06.89	-0.82	-0.82	-0.82	-0.82	-0.83	-0.82	-0.82
29.07.89	-0.83	-0.83	-0.83	-0.83	-0.84	-0.83	-0.83
06.08.89	-0.84	-0.84	-0.84	-0.84	-0.84	-0.84	-0.84
16.08.89	-0.84	-0.84	-0.84	-0.84	-0.85	-0.84	-0.84
27.08.89	-0.85	-0.85	-0.85	-0.85	-0.86	-0.85	-0.85

Well JT-72 Water Levels (mamsl)

Date	Non-Int.	DM30-2000	DM30-2008	DM50-2000	DM50-2008	Zero-2008	SM-2008
11.09.89	-0.86	-0.86	-0.86	-0.86	-0.86	-0.86	-0.86
28.09.89	-0.86	-0.86	-0.86	-0.86	-0.85	-0.86	-0.86
18.10.89	-0.85	-0.85	-0.85	-0.85	-0.83	-0.85	-0.85
11.11.89	-0.83	-0.83	-0.83	-0.83	-0.81	-0.83	-0.83
11.12.89	-0.81	-0.81	-0.81	-0.81	-0.79	-0.81	-0.81
15.01.90	-0.79	-0.79	-0.79	-0.79	-0.77	-0.79	-0.79
27.02.90	-0.77	-0.77	-0.77	-0.77	-0.80	-0.77	-0.77
08.04.90	-0.80	-0.80	-0.80	-0.80	-0.83	-0.80	-0.80
27.05.90	-0.83	-0.83	-0.83	-0.83	-0.85	-0.83	-0.83
25.07.90	-0.85	-0.85	-0.85	-0.85	-0.88	-0.85	-0.85
04.10.90	-0.88	-0.88	-0.88	-0.88	-0.91	-0.88	-0.88
28.12.90	-0.91	-0.91	-0.91	-0.91	-0.92	-0.91	-0.91
09.01.91	-0.92	-0.92	-0.92	-0.92	-0.92	-0.92	-0.92
23.01.91	-0.92	-0.92	-0.92	-0.92	-0.92	-0.92	-0.92
10.02.91	-0.92	-0.92	-0.92	-0.92	-0.93	-0.92	-0.92
03.03.91	-0.93	-0.93	-0.93	-0.93	-0.93	-0.93	-0.93
28.03.91	-0.93	-0.93	-0.93	-0.93	-0.95	-0.93	-0.93
26.04.91	-0.95	-0.95	-0.95	-0.95	-0.96	-0.95	-0.95
30.05.91	-0.96	-0.96	-0.96	-0.96	-0.98	-0.96	-0.96
11.07.91	-0.98	-0.98	-0.98	-0.98	-1.00	-0.98	-0.98
29.08.91	-1.00	-1.00	-1.00	-1.00	-1.02	-1.00	-1.00
28.10.91	-1.02	-1.02	-1.02	-1.02	-1.02	-1.02	-1.02
21.11.91	-1.02	-1.02	-1.02	-1.02	-1.03	-1.02	-1.02
20.12.91	-1.03	-1.03	-1.03	-1.03	-1.03	-1.03	-1.03
25.01.92	-1.03	-1.03	-1.03	-1.03	-1.03	-1.03	-1.03
07.03.92	-1.03	-1.03	-1.03	-1.03	-1.03	-1.03	-1.03
27.04.92	-1.03	-1.03	-1.03	-1.03	-1.04	-1.03	-1.03
29.05.92	-1.04	-1.04	-1.04	-1.04	-1.06	-1.04	-1.04
07.07.92	-1.06	-1.06	-1.06	-1.06	-1.08	-1.06	-1.06
23.08.92	-1.08	-1.08	-1.08	-1.08	-1.10	-1.08	-1.08
19.10.92	-1.10	-1.10	-1.10	-1.10	-1.13	-1.10	-1.10
26.12.92	-1.13	-1.13	-1.13	-1.13	-1.13	-1.13	-1.13
23.01.93	-1.13	-1.13	-1.13	-1.13	-1.12	-1.13	-1.13
26.02.93	-1.12	-1.12	-1.12	-1.12	-1.12	-1.12	-1.12
09.04.93	-1.12	-1.12	-1.12	-1.12	-1.13	-1.12	-1.12
28.05.93	-1.13	-1.13	-1.13	-1.13	-1.14	-1.13	-1.13
27.07.93	-1.14	-1.14	-1.14	-1.14	-1.15	-1.14	-1.14
12.08.93	-1.15	-1.15	-1.15	-1.15	-1.17	-1.15	-1.15
01.09.93	-1.17	-1.17	-1.17	-1.17	-1.19	-1.17	-1.17
24.09.93	-1.19	-1.19	-1.19	-1.19	-1.21	-1.19	-1.19
23.10.93	-1.21	-1.21	-1.21	-1.21	-1.23	-1.21	-1.21
26.11.93	-1.23	-1.23	-1.23	-1.23	-1.24	-1.23	-1.23
20.12.93	-1.24	-1.24	-1.24	-1.24	-1.25	-1.24	-1.24
18.01.94	-1.25	-1.25	-1.25	-1.25	-1.26	-1.25	-1.25
23.02.94	-1.26	-1.26	-1.26	-1.26	-1.28	-1.26	-1.26
06.04.94	-1.28	-1.28	-1.28	-1.28	-1.30	-1.28	-1.28
27.05.94	-1.30	-1.30	-1.30	-1.30	-1.36	-1.30	-1.30
04.08.94	-1.36	-1.36	-1.36	-1.36	-1.44	-1.36	-1.36
26.10.94	-1.44	-1.44	-1.44	-1.44	-1.52	-1.44	-1.44
03.02.95	-1.52	-1.52	-1.52	-1.52	-1.61	-1.52	-1.52
03.06.95	-1.61	-1.61	-1.61	-1.61	-1.72	-1.61	-1.61
26.10.95	-1.72	-1.72	-1.72	-1.72	-1.73	-1.72	-1.72
19.11.95	-1.73	-1.73	-1.73	-1.73	-1.74	-1.73	-1.73
18.12.95	-1.74	-1.74	-1.74	-1.74	-1.76	-1.74	-1.74

Well JT-72 Water Levels (mamsl)

Date	Non-Int.	DM30-2000	DM30-2008	DM50-2000	DM50-2008	Zero-2008	SM-2008
23.01.96	-1.76	-1.76	-1.76	-1.76	-1.78	-1.76	-1.76
05.03.96	-1.78	-1.78	-1.78	-1.78	-1.80	-1.78	-1.78
25.04.96	-1.80	-1.80	-1.80	-1.80	-1.82	-1.80	-1.80
31.05.96	-1.82	-1.82	-1.82	-1.82	-1.85	-1.82	-1.82
15.07.96	-1.85	-1.85	-1.85	-1.85	-1.87	-1.85	-1.85
06.09.96	-1.87	-1.87	-1.87	-1.87	-1.90	-1.87	-1.87
08.11.96	-1.90	-1.90	-1.90	-1.90	-1.93	-1.90	-1.90
24.01.97	-1.93	-1.93	-1.93	-1.93	-1.93	-1.93	-1.93
21.02.97	-1.93	-1.93	-1.93	-1.93	-1.93	-1.93	-1.93
27.03.97	-1.93	-1.93	-1.93	-1.93	-1.93	-1.93	-1.93
08.05.97	-1.93	-1.93	-1.93	-1.93	-1.94	-1.93	-1.93
26.06.97	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94
25.08.97	-1.94	-1.94	-1.94	-1.94	-1.95	-1.94	-1.94
10.09.97	-1.95	-1.95	-1.95	-1.95	-1.96	-1.95	-1.95
30.09.97	-1.96	-1.96	-1.96	-1.96	-1.96	-1.96	-1.96
23.10.97	-1.96	-1.96	-1.96	-1.96	-1.97	-1.96	-1.96
21.11.97	-1.97	-1.97	-1.97	-1.97	-1.98	-1.97	-1.97
25.12.97	-1.98	-1.98	-1.98	-1.98	-1.97	-1.98	-1.98
14.01.98	-1.97	-1.97	-1.97	-1.97	-1.95	-1.97	-1.97
07.02.98	-1.95	-1.95	-1.95	-1.95	-1.93	-1.95	-1.95
09.03.98	-1.93	-1.93	-1.93	-1.93	-1.92	-1.93	-1.93
13.04.98	-1.92	-1.92	-1.92	-1.92	-1.90	-1.92	-1.92
26.05.98	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90
15.06.98	-1.90	-1.90	-1.90	-1.90	-1.91	-1.90	-1.90
09.07.98	-1.91	-1.91	-1.91	-1.91	-1.92	-1.91	-1.91
08.08.98	-1.92	-1.92	-1.92	-1.92	-1.93	-1.92	-1.92
12.09.98	-1.93	-1.93	-1.93	-1.93	-1.94	-1.93	-1.93
25.10.98	-1.94	-1.94	-1.94	-1.94	-1.93	-1.94	-1.94
22.11.98	-1.93	-1.93	-1.93	-1.93	-1.91	-1.93	-1.93
26.12.98	-1.91	-1.91	-1.91	-1.91	-1.89	-1.91	-1.91
06.02.99	-1.89	-1.89	-1.89	-1.89	-1.87	-1.89	-1.89
27.03.99	-1.87	-1.87	-1.87	-1.87	-1.85	-1.87	-1.87
26.05.99	-1.85	-1.85	-1.85	-1.85	-1.86	-1.85	-1.85
11.08.99	-1.86	-1.86	-1.86	-1.86	-1.86	-1.86	-1.86
12.11.99	-1.86	-1.86	-1.86	-1.85	-1.86	-1.86	-1.86
03.03.00	-1.86	-1.85	-1.86	-1.84	-1.86	-1.86	-1.86
15.07.00	-1.86	-1.83	-1.86	-1.82	-1.86	-1.86	-1.86
24.12.00	-1.86	-1.82	-1.86	-1.78	-1.86	-1.86	-1.86
13.01.01	-1.86	-1.81	-1.86	-1.77	-1.86	-1.86	-1.86
06.02.01	-1.86	-1.80	-1.86	-1.77	-1.85	-1.86	-1.86
08.03.01	-1.85	-1.80	-1.85	-1.76	-1.85	-1.85	-1.85
12.04.01	-1.85	-1.79	-1.85	-1.74	-1.84	-1.85	-1.85
25.05.01	-1.84	-1.78	-1.84	-1.73	-1.84	-1.84	-1.84
30.06.01	-1.84	-1.77	-1.84	-1.72	-1.84	-1.84	-1.84
14.08.01	-1.84	-1.76	-1.84	-1.70	-1.84	-1.84	-1.84
06.10.01	-1.84	-1.75	-1.84	-1.69	-1.83	-1.84	-1.84
08.12.01	-1.83	-1.74	-1.83	-1.67	-1.83	-1.83	-1.83
23.02.02	-1.83	-1.73	-1.83	-1.65	-1.82	-1.83	-1.83
23.03.02	-1.82	-1.71	-1.82	-1.63	-1.81	-1.82	-1.82
26.04.02	-1.81	-1.70	-1.81	-1.61	-1.79	-1.81	-1.81
07.06.02	-1.79	-1.68	-1.79	-1.59	-1.77	-1.79	-1.79
26.07.02	-1.77	-1.65	-1.77	-1.56	-1.75	-1.77	-1.77
24.09.02	-1.75	-1.63	-1.75	-1.53	-1.76	-1.75	-1.75
14.10.02	-1.76	-1.63	-1.76	-1.52	-1.76	-1.76	-1.76

Well JT-72 Water Levels (mamsl)

Date	Non-Int.	DM30-2000	DM30-2008	DM50-2000	DM50-2008	Zero-2008	SM-2008
07.11.02	-1.76	-1.62	-1.76	-1.52	-1.76	-1.76	-1.76
07.12.02	-1.76	-1.62	-1.76	-1.51	-1.76	-1.76	-1.76
11.01.03	-1.76	-1.62	-1.76	-1.51	-1.76	-1.76	-1.76
23.02.03	-1.76	-1.62	-1.76	-1.50	-1.74	-1.76	-1.76
19.03.03	-1.74	-1.60	-1.74	-1.48	-1.72	-1.74	-1.74
17.04.03	-1.72	-1.57	-1.72	-1.45	-1.70	-1.72	-1.72
23.05.03	-1.70	-1.55	-1.70	-1.43	-1.68	-1.70	-1.70
04.07.03	-1.68	-1.52	-1.68	-1.40	-1.66	-1.68	-1.68
24.08.03	-1.66	-1.49	-1.66	-1.36	-1.66	-1.66	-1.66
09.09.03	-1.66	-1.50	-1.66	-1.36	-1.66	-1.66	-1.66
29.09.03	-1.66	-1.50	-1.66	-1.36	-1.67	-1.66	-1.66
22.10.03	-1.67	-1.50	-1.67	-1.36	-1.67	-1.67	-1.67
20.11.03	-1.67	-1.50	-1.67	-1.36	-1.68	-1.67	-1.67
24.12.03	-1.68	-1.50	-1.68	-1.36	-1.66	-1.68	-1.68
13.01.04	-1.66	-1.49	-1.66	-1.34	-1.64	-1.66	-1.66
06.02.04	-1.64	-1.47	-1.64	-1.32	-1.62	-1.64	-1.64
07.03.04	-1.62	-1.45	-1.62	-1.29	-1.60	-1.62	-1.62
11.04.04	-1.60	-1.42	-1.60	-1.27	-1.58	-1.60	-1.60
24.05.04	-1.58	-1.39	-1.58	-1.24	-1.59	-1.58	-1.58
03.07.04	-1.59	-1.40	-1.59	-1.24	-1.59	-1.59	-1.59
21.08.04	-1.59	-1.40	-1.59	-1.24	-1.60	-1.59	-1.59
19.10.04	-1.60	-1.40	-1.60	-1.24	-1.60	-1.60	-1.60
29.12.04	-1.60	-1.41	-1.60	-1.23	-1.61	-1.60	-1.60
24.03.05	-1.61	-1.40	-1.61	-1.22	-1.60	-1.61	-1.61
13.04.05	-1.60	-1.40	-1.60	-1.22	-1.60	-1.60	-1.60
07.05.05	-1.60	-1.40	-1.60	-1.21	-1.60	-1.60	-1.60
06.06.05	-1.60	-1.39	-1.60	-1.21	-1.60	-1.60	-1.60
11.07.05	-1.60	-1.39	-1.60	-1.20	-1.59	-1.60	-1.60
23.08.05	-1.59	-1.39	-1.59	-1.19	-1.59	-1.59	-1.59
31.08.05	-1.59	-1.39	-1.59	-1.19	-1.59	-1.59	-1.59
10.09.05	-1.59	-1.39	-1.59	-1.19	-1.59	-1.59	-1.59
21.09.05	-1.59	-1.39	-1.59	-1.19	-1.60	-1.59	-1.59
06.10.05	-1.60	-1.39	-1.60	-1.19	-1.60	-1.60	-1.60
23.10.05	-1.60	-1.39	-1.60	-1.19	-1.57	-1.60	-1.60
12.11.05	-1.57	-1.36	-1.57	-1.16	-1.54	-1.57	-1.57
06.12.05	-1.54	-1.33	-1.54	-1.13	-1.51	-1.54	-1.54
05.01.06	-1.51	-1.30	-1.51	-1.10	-1.48	-1.51	-1.51
09.02.06	-1.48	-1.27	-1.48	-1.06	-1.44	-1.48	-1.48
24.03.06	-1.44	-1.23	-1.44	-1.02	-1.45	-1.44	-1.44
03.05.06	-1.45	-1.24	-1.45	-1.03	-1.46	-1.45	-1.45
21.06.06	-1.46	-1.24	-1.46	-1.03	-1.47	-1.46	-1.46
19.08.06	-1.47	-1.25	-1.47	-1.03	-1.47	-1.47	-1.47
29.10.06	-1.47	-1.25	-1.47	-1.03	-1.47	-1.47	-1.47
22.01.07	-1.47	-1.25	-1.47	-1.02	-1.47	-1.47	-1.47
03.02.07	-1.47	-1.25	-1.47	-1.02	-1.47	-1.47	-1.47
17.02.07	-1.47	-1.25	-1.47	-1.02	-1.47	-1.47	-1.47
07.03.07	-1.47	-1.24	-1.47	-1.01	-1.46	-1.47	-1.47
28.03.07	-1.46	-1.24	-1.46	-1.01	-1.46	-1.46	-1.46
23.04.07	-1.46	-1.24	-1.46	-1.01	-1.46	-1.46	-1.46
21.05.07	-1.46	-1.24	-1.46	-1.00	-1.46	-1.46	-1.46
24.06.07	-1.46	-1.24	-1.46	-1.00	-1.46	-1.46	-1.46
05.08.07	-1.46	-1.24	-1.46	-1.00	-1.46	-1.46	-1.46
23.09.07	-1.46	-1.23	-1.46	-0.99	-1.45	-1.46	-1.46
22.11.07	-1.45	-1.23	-1.45	-0.99	-1.44	-1.45	-1.45

Well JT-72 Water Levels (mamsl)

Date	Non-Int.	DM30-2000	DM30-2008	DM50-2000	DM50-2008	Zero-2008	SM-2008
16.12.07	-1.44	-1.22	-1.44	-0.97	-1.43	-1.44	-1.44
14.01.08	-1.43	-1.21	-1.43	-0.96	-1.41	-1.43	-1.43
19.02.08	-1.41	-1.19	-1.41	-0.94	-1.39	-1.41	-1.41
01.04.08	-1.40	-1.18	-1.40	-0.92	-1.37	-1.40	-1.40
22.05.08	-1.38	-1.16	-1.38	-0.90	-1.37	-1.38	-1.38
23.06.08	-1.38	-1.16	-1.38	-0.90	-1.37	-1.38	-1.38
01.08.08	-1.38	-1.16	-1.37	-0.90	-1.36	-1.38	-1.37
17.09.08	-1.38	-1.16	-1.37	-0.90	-1.36	-1.38	-1.37
13.11.08	-1.38	-1.16	-1.36	-0.90	-1.34	-1.38	-1.36
20.01.09	-1.37	-1.16	-1.36	-0.89	-1.32	-1.37	-1.34
17.02.09	-1.36	-1.14	-1.34	-0.87	-1.30	-1.36	-1.31
23.03.09	-1.34	-1.12	-1.31	-0.85	-1.27	-1.34	-1.28
04.05.09	-1.32	-1.10	-1.29	-0.83	-1.24	-1.32	-1.25
22.06.09	-1.29	-1.08	-1.26	-0.80	-1.20	-1.29	-1.21
21.08.09	-1.27	-1.06	-1.23	-0.78	-1.20	-1.27	-1.16
06.09.09	-1.27	-1.06	-1.23	-0.78	-1.20	-1.27	-1.15
26.09.09	-1.27	-1.06	-1.23	-0.78	-1.20	-1.27	-1.15
19.10.09	-1.28	-1.07	-1.23	-0.78	-1.20	-1.27	-1.14
17.11.09	-1.28	-1.07	-1.23	-0.79	-1.19	-1.27	-1.13
21.12.09	-1.28	-1.07	-1.23	-0.79	-1.18	-1.26	-1.11
14.01.10	-1.27	-1.06	-1.22	-0.77	-1.16	-1.25	-1.09
12.02.10	-1.26	-1.05	-1.20	-0.76	-1.14	-1.23	-1.07
20.03.10	-1.24	-1.04	-1.18	-0.75	-1.12	-1.20	-1.03
01.05.10	-1.23	-1.02	-1.16	-0.73	-1.09	-1.17	-1.00
21.06.10	-1.21	-1.01	-1.14	-0.71	-1.08	-1.14	-0.96
29.08.10	-1.22	-1.02	-1.14	-0.72	-1.07	-1.12	-0.93
20.11.10	-1.22	-1.02	-1.14	-0.72	-1.06	-1.09	-0.89
28.02.11	-1.22	-1.03	-1.13	-0.72	-1.03	-1.05	-0.84
28.06.11	-1.21	-1.03	-1.12	-0.71	-1.01	-0.99	-0.78
20.11.11	-1.21	-1.03	-1.10	-0.71	-1.00	-0.93	-0.71
14.12.11	-1.20	-1.02	-1.09	-0.70	-0.98	-0.91	-0.69
12.01.12	-1.19	-1.01	-1.08	-0.69	-0.97	-0.89	-0.67
17.02.12	-1.18	-1.00	-1.07	-0.68	-0.95	-0.86	-0.64
30.03.12	-1.17	-0.99	-1.05	-0.66	-0.93	-0.83	-0.61
20.05.12	-1.15	-0.98	-1.03	-0.65	-0.93	-0.80	-0.58
25.06.12	-1.16	-0.98	-1.03	-0.65	-0.92	-0.78	-0.56
09.08.12	-1.16	-0.99	-1.03	-0.65	-0.92	-0.77	-0.55
01.10.12	-1.16	-0.99	-1.03	-0.65	-0.91	-0.75	-0.53
03.12.12	-1.16	-0.99	-1.03	-0.65	-0.90	-0.73	-0.50
18.02.13	-1.16	-0.99	-1.02	-0.65	-0.88	-0.70	-0.47
18.03.13	-1.15	-0.98	-1.01	-0.64	-0.87	-0.67	-0.45
21.04.13	-1.13	-0.97	-1.00	-0.63	-0.85	-0.65	-0.42
02.06.13	-1.12	-0.96	-0.98	-0.62	-0.83	-0.62	-0.40
21.07.13	-1.11	-0.95	-0.97	-0.60	-0.81	-0.59	-0.36
19.09.13	-1.09	-0.94	-0.95	-0.59	-0.81	-0.56	-0.33
05.10.13	-1.09	-0.94	-0.95	-0.59	-0.81	-0.55	-0.32
25.10.13	-1.10	-0.94	-0.95	-0.59	-0.81	-0.55	-0.32
17.11.13	-1.10	-0.95	-0.95	-0.59	-0.81	-0.54	-0.31
16.12.13	-1.10	-0.95	-0.95	-0.59	-0.81	-0.53	-0.30
19.01.14	-1.10	-0.95	-0.95	-0.60	-0.79	-0.53	-0.29
08.02.14	-1.08	-0.93	-0.93	-0.58	-0.76	-0.50	-0.27
04.03.14	-1.06	-0.91	-0.91	-0.56	-0.74	-0.47	-0.24
03.04.14	-1.04	-0.89	-0.89	-0.53	-0.71	-0.44	-0.21
08.05.14	-1.02	-0.87	-0.86	-0.51	-0.68	-0.40	-0.18

Well JT-72 Water Levels (mamsl)

Date	Non-Int.	DM30-2000	DM30-2008	DM50-2000	DM50-2008	Zero-2008	SM-2008
20.06.14	-0.99	-0.84	-0.83	-0.48	-0.68	-0.36	-0.14
10.07.14	-0.99	-0.85	-0.84	-0.49	-0.69	-0.36	-0.15
03.08.14	-1.00	-0.86	-0.84	-0.49	-0.69	-0.36	-0.15
02.09.14	-1.01	-0.86	-0.85	-0.50	-0.69	-0.36	-0.15
07.10.14	-1.01	-0.87	-0.85	-0.50	-0.70	-0.36	-0.14
19.11.14	-1.02	-0.88	-0.86	-0.51	-0.68	-0.35	-0.14
17.12.14	-1.00	-0.87	-0.84	-0.50	-0.66	-0.33	-0.12
20.01.15	-0.99	-0.85	-0.83	-0.48	-0.64	-0.31	-0.09
03.03.15	-0.97	-0.84	-0.81	-0.46	-0.62	-0.28	-0.07
21.04.15	-0.95	-0.82	-0.79	-0.45	-0.59	-0.25	-0.04
20.06.15	-0.93	-0.80	-0.76	-0.42	-0.60	-0.22	-0.01
05.09.15	-0.95	-0.82	-0.78	-0.44	-0.61	-0.22	-0.01
07.12.15	-0.96	-0.83	-0.79	-0.45	-0.61	-0.21	0.00
28.03.16	-0.97	-0.85	-0.79	-0.46	-0.60	-0.20	0.01
09.08.16	-0.97	-0.86	-0.80	-0.47	-0.60	-0.18	0.04
18.01.17	-0.97	-0.87	-0.80	-0.47	-0.59	-0.16	0.06
07.02.17	-0.97	-0.87	-0.80	-0.47	-0.59	-0.15	0.07
03.03.17	-0.97	-0.87	-0.79	-0.47	-0.59	-0.15	0.08
02.04.17	-0.97	-0.87	-0.79	-0.47	-0.58	-0.14	0.08
07.05.17	-0.96	-0.87	-0.79	-0.46	-0.58	-0.13	0.09
19.06.17	-0.96	-0.86	-0.79	-0.46	-0.58	-0.12	0.10
25.07.17	-0.96	-0.87	-0.79	-0.46	-0.57	-0.12	0.11
08.09.17	-0.96	-0.87	-0.79	-0.46	-0.57	-0.11	0.11
31.10.17	-0.96	-0.87	-0.79	-0.46	-0.57	-0.11	0.12
02.01.18	-0.96	-0.87	-0.78	-0.46	-0.56	-0.10	0.14
20.03.18	-0.96	-0.88	-0.78	-0.46	-0.55	-0.09	0.15
17.04.18	-0.95	-0.87	-0.77	-0.45	-0.54	-0.07	0.16
21.05.18	-0.94	-0.86	-0.76	-0.44	-0.52	-0.06	0.18
02.07.18	-0.93	-0.85	-0.75	-0.43	-0.50	-0.04	0.20
20.08.18	-0.91	-0.83	-0.73	-0.42	-0.49	-0.02	0.22
19.10.18	-0.90	-0.82	-0.72	-0.40	-0.49	0.00	0.24
08.11.18	-0.90	-0.82	-0.72	-0.40	-0.49	0.00	0.24
02.12.18	-0.90	-0.83	-0.72	-0.41	-0.49	0.00	0.24
01.01.19	-0.90	-0.83	-0.72	-0.41	-0.49	0.00	0.24
05.02.19	-0.91	-0.83	-0.73	-0.41	-0.49	0.00	0.24
20.03.19	-0.91	-0.84	-0.73	-0.41	-0.47	0.00	0.25
13.04.19	-0.89	-0.82	-0.71	-0.40	-0.45	0.02	0.27
12.05.19	-0.87	-0.81	-0.69	-0.38	-0.43	0.04	0.29
17.06.19	-0.85	-0.79	-0.67	-0.36	-0.41	0.06	0.31
29.07.19	-0.83	-0.77	-0.65	-0.34	-0.38	0.09	0.34
18.09.19	-0.81	-0.74	-0.63	-0.31	-0.38	0.11	0.36
04.10.19	-0.81	-0.75	-0.63	-0.32	-0.39	0.11	0.36
24.10.19	-0.81	-0.76	-0.63	-0.32	-0.39	0.10	0.36
16.11.19	-0.82	-0.76	-0.64	-0.33	-0.40	0.10	0.36
15.12.19	-0.82	-0.77	-0.64	-0.33	-0.40	0.10	0.36
17.01.20	-0.83	-0.77	-0.65	-0.34	-0.38	0.10	0.36
07.02.20	-0.82	-0.76	-0.63	-0.33	-0.37	0.11	0.37
02.03.20	-0.80	-0.75	-0.62	-0.31	-0.35	0.13	0.39
01.04.20	-0.78	-0.73	-0.60	-0.29	-0.33	0.15	0.41
06.05.20	-0.76	-0.71	-0.58	-0.28	-0.31	0.17	0.43
17.06.20	-0.74	-0.69	-0.56	-0.26	-0.32	0.19	0.45
28.07.20	-0.75	-0.71	-0.57	-0.27	-0.32	0.18	0.44
15.09.20	-0.76	-0.72	-0.58	-0.28	-0.33	0.17	0.44
13.11.20	-0.77	-0.73	-0.59	-0.29	-0.34	0.17	0.44

Well JT-72 Water Levels (mamsl)

Date	Non-Int.	DM30-2000	DM30-2008	DM50-2000	DM50-2008	Zero-2008	SM-2008
23.01.21	-0.78	-0.74	-0.60	-0.30	-0.34	0.17	0.44
17.04.21	-0.79	-0.76	-0.61	-0.31	-0.34	0.17	0.44
08.05.21	-0.79	-0.76	-0.61	-0.31	-0.34	0.17	0.45
01.06.21	-0.79	-0.76	-0.61	-0.31	-0.34	0.18	0.45
01.07.21	-0.78	-0.76	-0.61	-0.30	-0.33	0.18	0.45
05.08.21	-0.78	-0.75	-0.61	-0.30	-0.33	0.19	0.46
16.09.21	-0.78	-0.75	-0.60	-0.30	-0.33	0.19	0.47
25.09.21	-0.78	-0.76	-0.60	-0.30	-0.33	0.19	0.47
05.10.21	-0.78	-0.76	-0.60	-0.30	-0.33	0.19	0.47
16.10.21	-0.78	-0.76	-0.61	-0.30	-0.33	0.19	0.47
31.10.21	-0.78	-0.76	-0.61	-0.31	-0.33	0.19	0.47
16.11.21	-0.78	-0.76	-0.61	-0.31	-0.31	0.19	0.47
07.12.21	-0.76	-0.74	-0.59	-0.28	-0.28	0.22	0.49
31.12.21	-0.74	-0.72	-0.56	-0.26	-0.26	0.24	0.52
30.01.22	-0.71	-0.69	-0.53	-0.24	-0.23	0.27	0.54
06.03.22	-0.68	-0.66	-0.50	-0.21	-0.20	0.30	0.57
17.04.22	-0.64	-0.63	-0.47	-0.18	-0.22	0.33	0.60
28.05.22	-0.66	-0.65	-0.48	-0.20	-0.23	0.31	0.58
16.07.22	-0.67	-0.66	-0.50	-0.22	-0.24	0.30	0.57
13.09.22	-0.68	-0.68	-0.51	-0.23	-0.25	0.29	0.56
23.11.22	-0.69	-0.69	-0.52	-0.24	-0.25	0.29	0.56
15.02.23	-0.70	-0.70	-0.53	-0.25	-0.25	0.29	0.56
28.02.23	-0.70	-0.70	-0.53	-0.25	-0.25	0.29	0.56
14.03.23	-0.70	-0.70	-0.53	-0.25	-0.25	0.29	0.56
01.04.23	-0.70	-0.70	-0.53	-0.25	-0.25	0.29	0.57
22.04.23	-0.70	-0.71	-0.53	-0.25	-0.25	0.30	0.57
17.05.23	-0.70	-0.71	-0.53	-0.25	-0.25	0.30	0.57
15.06.23	-0.70	-0.71	-0.53	-0.25	-0.25	0.30	0.57
19.07.23	-0.70	-0.71	-0.54	-0.25	-0.25	0.30	0.57
30.08.23	-0.70	-0.72	-0.54	-0.25	-0.25	0.30	0.57
18.10.23	-0.71	-0.72	-0.54	-0.26	-0.25	0.30	0.57
16.12.23	-0.71	-0.73	-0.55	-0.26	-0.24	0.30	0.58
10.01.24	-0.70	-0.72	-0.54	-0.25	-0.23	0.31	0.59
08.02.24	-0.69	-0.71	-0.53	-0.24	-0.22	0.33	0.60
15.03.24	-0.68	-0.70	-0.52	-0.23	-0.21	0.34	0.61
26.04.24	-0.67	-0.69	-0.51	-0.22	-0.20	0.35	0.62
15.06.24	-0.65	-0.68	-0.49	-0.22	-0.21	0.36	0.64
18.07.24	-0.66	-0.69	-0.50	-0.22	-0.21	0.36	0.63
26.08.24	-0.66	-0.70	-0.50	-0.23	-0.22	0.36	0.63
12.10.24	-0.66	-0.70	-0.51	-0.23	-0.22	0.36	0.63
08.12.24	-0.67	-0.71	-0.51	-0.24	-0.22	0.36	0.63
13.02.25	-0.67	-0.72	-0.52	-0.24	-0.21	0.36	0.63
14.03.25	-0.66	-0.70	-0.50	-0.23	-0.19	0.38	0.65
17.04.25	-0.64	-0.69	-0.49	-0.21	-0.18	0.39	0.66
29.05.25	-0.62	-0.67	-0.47	-0.20	-0.16	0.41	0.68
17.07.25	-0.60	-0.66	-0.45	-0.19	-0.14	0.43	0.70
14.09.25	-0.58	-0.64	-0.44	-0.17	-0.15	0.45	0.72
01.10.25	-0.59	-0.65	-0.44	-0.18	-0.15	0.44	0.71
21.10.25	-0.59	-0.65	-0.44	-0.18	-0.16	0.44	0.71
13.11.25	-0.60	-0.66	-0.45	-0.19	-0.16	0.44	0.70
12.12.25	-0.60	-0.66	-0.45	-0.19	-0.17	0.43	0.70
14.01.26	-0.60	-0.67	-0.46	-0.20	-0.16	0.43	0.70
08.02.26	-0.60	-0.66	-0.45	-0.19	-0.15	0.44	0.71
09.03.26	-0.59	-0.65	-0.44	-0.18	-0.14	0.45	0.72

Well JT-72 Water Levels (mamsl)

Date	Non-Int.	DM30-2000	DM30-2008	DM50-2000	DM50-2008	Zero-2008	SM-2008
14.04.26	-0.57	-0.64	-0.43	-0.17	-0.13	0.46	0.73
26.05.26	-0.56	-0.64	-0.42	-0.16	-0.12	0.47	0.74
15.07.26	-0.55	-0.62	-0.41	-0.15	-0.13	0.48	0.75
23.09.26	-0.56	-0.64	-0.42	-0.17	-0.14	0.47	0.74
15.12.26	-0.57	-0.66	-0.43	-0.18	-0.15	0.47	0.74
25.03.27	-0.58	-0.67	-0.45	-0.19	-0.15	0.47	0.74
23.07.27	-0.58	-0.68	-0.45	-0.20	-0.15	0.47	0.74
14.12.27	-0.59	-0.69	-0.46	-0.20	-0.15	0.47	0.75
08.01.28	-0.58	-0.69	-0.45	-0.20	-0.14	0.48	0.75
06.02.28	-0.57	-0.68	-0.45	-0.19	-0.13	0.49	0.76
13.03.28	-0.56	-0.67	-0.44	-0.18	-0.12	0.50	0.77
24.04.28	-0.55	-0.67	-0.43	-0.18	-0.12	0.50	0.78
13.06.28	-0.54	-0.66	-0.42	-0.17	-0.12	0.51	0.79
20.07.28	-0.55	-0.66	-0.43	-0.18	-0.12	0.51	0.79
03.09.28	-0.55	-0.67	-0.43	-0.18	-0.13	0.51	0.79
26.10.28	-0.55	-0.68	-0.44	-0.19	-0.13	0.51	0.79
28.12.28	-0.56	-0.68	-0.44	-0.19	-0.13	0.51	0.79
14.03.29	-0.56	-0.69	-0.44	-0.19	-0.12	0.51	0.79
12.04.29	-0.55	-0.68	-0.44	-0.18	-0.11	0.52	0.80
16.05.29	-0.54	-0.67	-0.43	-0.18	-0.10	0.53	0.81
27.06.29	-0.53	-0.66	-0.42	-0.17	0.09	0.54	0.82
15.08.29	-0.52	-0.65	-0.40	-0.16	0.08	0.55	0.83
13.10.29	-0.50	-0.64	-0.39	-0.15	-0.09	0.56	0.84
30.10.29	-0.51	-0.65	-0.40	-0.15	0.09	0.56	0.84
19.11.29	-0.51	-0.65	-0.40	-0.16	0.09	0.55	0.84
12.12.29	-0.51	-0.66	-0.40	-0.16	0.10	0.55	0.84
10.01.30	-0.51	-0.66	-0.41	-0.16	0.10	0.55	0.84
13.02.30	-0.52	-0.66	-0.41	-0.17	0.08	0.55	0.83
05.03.30	-0.50	-0.65	-0.39	-0.15	0.06	0.56	0.85
29.03.30	-0.48	-0.63	-0.37	-0.13	0.04	0.58	0.87
28.04.30	-0.46	-0.61	-0.35	-0.12	0.02	0.60	0.89
02.06.30	-0.43	-0.59	-0.33	-0.10	0.00	0.62	0.91
15.07.30	-0.41	-0.56	-0.30	-0.08	0.01	0.64	0.93
04.08.30	-0.41	-0.57	-0.31	-0.09	0.02	0.63	0.92
28.08.30	-0.42	-0.58	-0.32	-0.09	0.03	0.62	0.91
27.09.30	-0.43	-0.59	-0.33	-0.10	0.04	0.62	0.91
01.11.30	-0.44	-0.60	-0.34	-0.11	0.04	0.61	0.90
14.12.30	-0.44	-0.61	-0.34	-0.12	0.03	0.60	0.90
11.01.31	-0.43	-0.60	-0.33	-0.11	0.02	0.62	0.91
14.02.31	-0.42	-0.58	-0.32	-0.10	0.01	0.63	0.92
28.03.31	-0.40	-0.57	-0.30	-0.08	0.01	0.64	0.93
16.05.31	-0.38	-0.56	-0.29	-0.07	0.02	0.65	0.95
15.07.31	-0.37	-0.54	-0.27	-0.06	0.00	0.67	0.96
30.09.31	-0.38	-0.56	-0.29	-0.08	0.01	0.65	0.95
01.01.32	-0.40	-0.58	-0.31	-0.10	0.02	0.64	0.94
22.04.32	-0.41	-0.60	-0.33	-0.11	0.03	0.63	0.93
03.09.32	-0.42	-0.62	-0.34	-0.12	0.04	0.63	0.93
12.02.33	-0.43	-0.64	-0.35	-0.13	0.04	0.63	0.93
04.03.33	-0.43	-0.64	-0.35	-0.13	0.04	0.63	0.93
28.03.33	-0.43	-0.64	-0.35	-0.13	0.04	0.63	0.93
27.04.33	-0.42	-0.64	-0.35	-0.13	0.03	0.63	0.94
01.06.33	-0.42	-0.64	-0.35	-0.13	0.03	0.63	0.94
14.07.33	-0.42	-0.64	-0.35	-0.13	0.04	0.64	0.94
19.08.33	-0.42	-0.64	-0.35	-0.13	0.04	0.63	0.94

Well JT-72 Water Levels (mamsl)

Date	Non-Int.	DM30-2000	DM30-2008	DM50-2000	DM50-2008	Zero-2008	SM-2008
03.10.33	-0.43	-0.64	-0.36	-0.14	0.04	0.63	0.94
25.11.33	-0.43	-0.65	-0.36	-0.14	0.04	0.63	0.94
27.01.34	-0.43	-0.65	-0.36	-0.14	0.04	0.64	0.94
14.04.34	-0.43	-0.66	-0.36	-0.14	0.03	0.64	0.95
12.05.34	-0.42	-0.65	-0.35	-0.13	0.02	0.65	0.96
15.06.34	-0.41	-0.64	-0.34	-0.13	0.01	0.66	0.97
27.07.34	-0.40	-0.63	-0.33	-0.12	0.00	0.67	0.98
14.09.34	-0.38	-0.62	-0.32	-0.11	0.01	0.68	0.99
13.11.34	-0.37	-0.61	-0.31	-0.10	0.00	0.69	1.00
03.12.34	-0.37	-0.61	-0.31	-0.10	0.00	0.69	1.00
27.12.34	-0.37	-0.62	-0.32	-0.11	0.00	0.68	0.99
26.01.35	-0.38	-0.62	-0.32	-0.11	0.01	0.68	0.99
02.03.35	-0.38	-0.63	-0.33	-0.11	0.01	0.68	0.99
14.04.35	-0.38	-0.63	-0.33	-0.12	0.01	0.67	0.99
08.05.35	-0.37	-0.62	-0.31	-0.10	0.02	0.69	1.00
06.06.35	-0.35	-0.60	-0.30	-0.09	0.04	0.71	1.02
12.07.35	-0.33	-0.58	-0.28	-0.07	0.06	0.72	1.04
23.08.35	-0.31	-0.56	-0.26	-0.06	0.07	0.74	1.05
13.10.35	-0.29	-0.54	-0.24	-0.04	0.07	0.76	1.07
29.10.35	-0.29	-0.55	-0.25	-0.04	0.06	0.75	1.06
18.11.35	-0.30	-0.56	-0.25	-0.05	0.06	0.74	1.06
11.12.35	-0.30	-0.56	-0.26	-0.06	0.05	0.74	1.05
09.01.36	-0.31	-0.57	-0.27	-0.06	0.04	0.73	1.05
12.02.36	-0.31	-0.58	-0.27	-0.07	0.06	0.73	1.04
03.03.36	-0.30	-0.56	-0.26	-0.06	0.07	0.74	1.06
27.03.36	-0.28	-0.55	-0.25	-0.05	0.08	0.75	1.07
26.04.36	-0.27	-0.53	-0.23	-0.03	0.10	0.77	1.08
31.05.36	-0.25	-0.52	-0.22	-0.02	0.12	0.78	1.10
13.07.36	-0.24	-0.50	-0.20	0.00	0.10	0.80	1.11
22.08.36	-0.25	-0.51	-0.22	-0.02	0.09	0.78	1.09
10.10.36	-0.26	-0.53	-0.23	-0.03	0.08	0.77	1.08
08.12.36	-0.27	-0.54	-0.24	-0.04	0.07	0.76	1.07
17.02.37	-0.28	-0.56	-0.25	-0.05	0.06	0.75	1.07
13.05.37	-0.29	-0.57	-0.26	-0.06	0.06	0.75	1.06
02.06.37	-0.29	-0.57	-0.26	-0.06	0.06	0.75	1.06
26.06.37	-0.29	-0.57	-0.26	-0.06	0.06	0.75	1.07
26.07.37	-0.29	-0.57	-0.26	-0.06	0.06	0.75	1.07
30.08.37	-0.28	-0.57	-0.26	-0.06	0.06	0.75	1.07
12.10.37	-0.28	-0.58	-0.26	-0.06	0.06	0.75	1.07
20.10.37	-0.28	-0.58	-0.26	-0.06	0.06	0.75	1.07
30.10.37	-0.29	-0.58	-0.26	-0.07	0.06	0.75	1.07
10.11.37	-0.29	-0.58	-0.26	-0.07	0.06	0.75	1.07
25.11.37	-0.29	-0.58	-0.27	-0.07	0.05	0.75	1.07
12.12.37	-0.29	-0.58	-0.27	-0.07	0.08	0.75	1.07
01.01.38	-0.27	-0.56	-0.25	-0.05	0.10	0.77	1.09
25.01.38	-0.25	-0.54	-0.22	-0.03	0.12	0.79	1.11
24.02.38	-0.22	-0.51	-0.20	-0.01	0.15	0.81	1.13
31.03.38	-0.20	-0.49	-0.18	0.02	0.17	0.84	1.15
13.05.38	-0.17	-0.46	-0.15	0.04	0.15	0.86	1.16
22.06.38	-0.19	-0.47	-0.17	0.02	0.14	0.84	1.14
10.08.38	-0.20	-0.49	-0.19	0.01	0.12	0.82	1.13
08.10.38	-0.22	-0.51	-0.20	-0.01	0.11	0.81	1.11
18.12.38	-0.23	-0.52	-0.22	-0.02	0.10	0.80	1.10
13.03.39	-0.24	-0.54	-0.23	-0.03	0.10	0.79	1.10

Well JT-72 Water Levels (mamsl)

Date	Non-Int.	DM30-2000	DM30-2008	DM50-2000	DM50-2008	Zero-2008	SM-2008
25.03.39	-0.24	-0.54	-0.23	-0.03	0.10	0.79	1.10
08.04.39	-0.24	-0.54	-0.23	-0.03	0.10	0.79	1.10
26.04.39	-0.24	-0.54	-0.23	-0.03	0.10	0.80	1.10
17.05.39	-0.24	-0.54	-0.23	-0.03	0.10	0.80	1.10
12.06.39	-0.24	-0.54	-0.23	-0.03	0.10	0.80	1.10
10.07.39	-0.24	-0.55	-0.23	-0.04	0.09	0.79	1.10
13.08.39	-0.24	-0.55	-0.24	-0.04	0.09	0.79	1.10
24.09.39	-0.25	-0.56	-0.24	-0.05	0.09	0.79	1.10
12.11.39	-0.25	-0.57	-0.25	-0.05	0.08	0.79	1.09
11.01.40	-0.25	-0.57	-0.25	-0.06	0.09	0.78	1.09
04.02.40	-0.24	-0.57	-0.24	-0.05	0.10	0.79	1.10
04.03.40	-0.24	-0.56	-0.23	-0.04	0.11	0.80	1.11
09.04.40	-0.23	-0.55	-0.23	-0.03	0.12	0.81	1.12
21.05.40	-0.22	-0.54	-0.22	-0.02	0.12	0.82	1.12
11.07.40	-0.21	-0.53	-0.21	-0.02	0.12	0.83	1.13
12.08.40	-0.21	-0.54	-0.22	-0.02	0.11	0.82	1.12
20.09.40	-0.22	-0.55	-0.22	-0.03	0.11	0.82	1.12
06.11.40	-0.23	-0.55	-0.23	-0.04	0.10	0.81	1.11
02.01.41	-0.23	-0.56	-0.24	-0.04	0.10	0.81	1.11
11.03.41	-0.23	-0.57	-0.24	-0.05	0.01	0.80	1.11

Well BM-1 Water Levels (mamsl)

Date	Non-Int.	DM 30-2000	DM 30-2008	DM50-2000	DM 50-2008	Zero-2008	SM-2008
29.12.76	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35
01.02.77	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35
15.03.77	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35
03.05.77	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35
02.07.77	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35
18.07.77	-0.36	-0.36	-0.36	-0.36	-0.36	-0.36	-0.36
07.08.77	-0.37	-0.37	-0.37	-0.37	-0.37	-0.37	-0.37
30.08.77	-0.38	-0.38	-0.38	-0.38	-0.38	-0.38	-0.38
28.09.77	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40
01.11.77	-0.41	-0.41	-0.41	-0.41	-0.41	-0.41	-0.41
25.11.77	-0.41	-0.41	-0.41	-0.41	-0.41	-0.41	-0.41
24.12.77	-0.41	-0.41	-0.41	-0.41	-0.41	-0.41	-0.41
29.01.78	-0.41	-0.41	-0.41	-0.41	-0.41	-0.41	-0.41
12.03.78	-0.41	-0.41	-0.41	-0.41	-0.41	-0.41	-0.41
01.05.78	-0.41	-0.41	-0.41	-0.41	-0.41	-0.41	-0.41
10.07.78	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44
01.10.78	-0.47	-0.47	-0.47	-0.47	-0.47	-0.47	-0.47
09.01.79	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50
09.05.79	-0.54	-0.54	-0.54	-0.54	-0.54	-0.54	-0.54
01.10.79	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57
25.10.79	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57
23.11.79	-0.56	-0.56	-0.56	-0.56	-0.56	-0.56	-0.56
29.12.79	-0.56	-0.56	-0.56	-0.56	-0.56	-0.56	-0.56
09.02.80	-0.55	-0.55	-0.55	-0.55	-0.55	-0.55	-0.55
31.03.80	-0.55	-0.55	-0.55	-0.55	-0.55	-0.55	-0.55
06.05.80	-0.56	-0.56	-0.56	-0.56	-0.56	-0.56	-0.56
20.06.80	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57
12.08.80	-0.58	-0.58	-0.58	-0.58	-0.58	-0.58	-0.58
14.10.80	-0.59	-0.59	-0.59	-0.59	-0.59	-0.59	-0.59
30.12.80	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60
27.01.81	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60
02.03.81	-0.59	-0.59	-0.59	-0.59	-0.59	-0.59	-0.59
13.04.81	-0.59	-0.59	-0.59	-0.59	-0.59	-0.59	-0.59
01.06.81	-0.59	-0.59	-0.59	-0.59	-0.59	-0.59	-0.59
31.07.81	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60
16.08.81	-0.61	-0.61	-0.61	-0.61	-0.61	-0.61	-0.61
05.09.81	-0.62	-0.62	-0.62	-0.62	-0.62	-0.62	-0.62
28.09.81	-0.63	-0.63	-0.63	-0.63	-0.63	-0.63	-0.63
27.10.81	-0.64	-0.64	-0.64	-0.64	-0.64	-0.64	-0.64
30.11.81	-0.66	-0.66	-0.66	-0.66	-0.66	-0.66	-0.66
20.12.81	-0.65	-0.65	-0.65	-0.65	-0.65	-0.65	-0.65
13.01.82	-0.64	-0.64	-0.64	-0.64	-0.64	-0.64	-0.64
12.02.82	-0.63	-0.63	-0.63	-0.63	-0.63	-0.63	-0.63
19.03.82	-0.62	-0.62	-0.62	-0.62	-0.62	-0.62	-0.62
01.05.82	-0.61	-0.61	-0.61	-0.61	-0.61	-0.61	-0.61
21.05.82	-0.62	-0.62	-0.62	-0.62	-0.62	-0.62	-0.62
14.06.82	-0.64	-0.64	-0.64	-0.64	-0.64	-0.64	-0.64
14.07.82	-0.66	-0.66	-0.66	-0.66	-0.66	-0.66	-0.66
18.08.82	-0.69	-0.69	-0.69	-0.69	-0.69	-0.69	-0.69
30.09.82	-0.72	-0.72	-0.72	-0.72	-0.72	-0.72	-0.72
28.10.82	-0.73	-0.73	-0.73	-0.73	-0.73	-0.73	-0.73
01.12.82	-0.73	-0.73	-0.73	-0.73	-0.73	-0.73	-0.73
12.01.83	-0.74	-0.74	-0.74	-0.74	-0.74	-0.74	-0.74
02.03.83	-0.75	-0.75	-0.75	-0.75	-0.75	-0.75	-0.75

Well BM-1 Water Levels (mamsl)

Date	Non-Int.	DM 30-2000	DM 30-2008	DM50-2000	DM 50-2008	Zero-2008	SM-2008
01.05.83	-0.77	-0.77	-0.77	-0.77	-0.77	-0.77	-0.77
17.07.83	-0.84	-0.84	-0.84	-0.84	-0.84	-0.84	-0.84
18.10.83	-0.93	-0.93	-0.93	-0.93	-0.93	-0.93	-0.93
07.02.84	-1.02	-1.02	-1.02	-1.02	-1.02	-1.02	-1.02
20.06.84	-1.12	-1.12	-1.12	-1.12	-1.12	-1.12	-1.12
29.11.84	-1.24	-1.24	-1.24	-1.24	-1.24	-1.24	-1.24
19.12.84	-1.25	-1.25	-1.25	-1.25	-1.25	-1.25	-1.25
12.01.85	-1.27	-1.27	-1.27	-1.27	-1.27	-1.27	-1.27
11.02.85	-1.28	-1.28	-1.28	-1.28	-1.28	-1.28	-1.28
18.03.85	-1.31	-1.31	-1.31	-1.31	-1.31	-1.31	-1.31
30.04.85	-1.33	-1.33	-1.33	-1.33	-1.33	-1.33	-1.33
05.06.85	-1.36	-1.36	-1.36	-1.36	-1.36	-1.36	-1.36
20.07.85	-1.38	-1.38	-1.38	-1.38	-1.38	-1.38	-1.38
11.09.85	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42
13.11.85	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46
29.01.86	-1.51	-1.51	-1.51	-1.51	-1.51	-1.51	-1.51
26.02.86	-1.51	-1.51	-1.51	-1.51	-1.51	-1.51	-1.51
01.04.86	-1.52	-1.52	-1.52	-1.52	-1.52	-1.52	-1.52
13.05.86	-1.53	-1.53	-1.53	-1.53	-1.53	-1.53	-1.53
01.07.86	-1.54	-1.54	-1.54	-1.54	-1.54	-1.54	-1.54
30.08.86	-1.55	-1.55	-1.55	-1.55	-1.55	-1.55	-1.55
19.09.86	-1.57	-1.57	-1.57	-1.57	-1.57	-1.57	-1.57
13.10.86	-1.58	-1.58	-1.58	-1.58	-1.58	-1.58	-1.58
12.11.86	-1.60	-1.60	-1.60	-1.60	-1.60	-1.60	-1.60
17.12.86	-1.62	-1.62	-1.62	-1.62	-1.62	-1.62	-1.62
29.01.87	-1.65	-1.65	-1.65	-1.65	-1.65	-1.65	-1.65
22.02.87	-1.64	-1.64	-1.64	-1.64	-1.64	-1.64	-1.64
23.03.87	-1.64	-1.64	-1.64	-1.64	-1.64	-1.64	-1.64
28.04.87	-1.63	-1.63	-1.63	-1.63	-1.63	-1.63	-1.63
09.06.87	-1.63	-1.63	-1.63	-1.63	-1.63	-1.63	-1.63
30.07.87	-1.62	-1.62	-1.62	-1.62	-1.62	-1.62	-1.62
15.08.87	-1.63	-1.63	-1.63	-1.63	-1.63	-1.63	-1.63
04.09.87	-1.65	-1.65	-1.65	-1.65	-1.65	-1.65	-1.65
27.09.87	-1.66	-1.66	-1.66	-1.66	-1.66	-1.66	-1.66
26.10.87	-1.68	-1.68	-1.68	-1.68	-1.68	-1.68	-1.68
29.11.87	-1.70	-1.70	-1.70	-1.70	-1.70	-1.70	-1.70
19.12.87	-1.70	-1.70	-1.70	-1.70	-1.70	-1.70	-1.70
12.01.88	-1.70	-1.70	-1.70	-1.70	-1.70	-1.70	-1.70
11.02.88	-1.70	-1.70	-1.70	-1.70	-1.70	-1.70	-1.70
17.03.88	-1.70	-1.70	-1.70	-1.70	-1.70	-1.70	-1.70
29.04.88	-1.71	-1.71	-1.71	-1.71	-1.71	-1.71	-1.71
08.06.88	-1.75	-1.75	-1.75	-1.75	-1.75	-1.75	-1.75
27.07.88	-1.80	-1.80	-1.80	-1.80	-1.80	-1.80	-1.80
24.09.88	-1.86	-1.86	-1.86	-1.86	-1.86	-1.86	-1.86
04.12.88	-1.93	-1.93	-1.93	-1.93	-1.93	-1.93	-1.93
27.02.89	-2.01	-2.01	-2.01	-2.01	-2.01	-2.01	-2.01
19.03.89	-2.02	-2.02	-2.02	-2.02	-2.02	-2.02	-2.02
12.04.89	-2.04	-2.04	-2.04	-2.04	-2.04	-2.04	-2.04
12.05.89	-2.07	-2.07	-2.07	-2.07	-2.07	-2.07	-2.07
16.06.89	-2.09	-2.09	-2.09	-2.09	-2.09	-2.09	-2.09
29.07.89	-2.12	-2.12	-2.12	-2.12	-2.12	-2.12	-2.12
06.08.89	-2.13	-2.13	-2.13	-2.13	-2.13	-2.13	-2.13
16.08.89	-2.14	-2.14	-2.14	-2.14	-2.14	-2.14	-2.14
27.08.89	-2.15	-2.15	-2.15	-2.15	-2.15	-2.15	-2.15

Well BM-1 Water Levels (mamsl)

Date	Non-Int.	DM 30-2000	DM 30-2008	DM50-2000	DM 50-2008	Zero-2008	SM-2008
11.09.89	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16
28.09.89	-2.17	-2.17	-2.17	-2.17	-2.17	-2.17	-2.17
18.10.89	-2.15	-2.15	-2.15	-2.15	-2.15	-2.15	-2.15
11.11.89	-2.14	-2.14	-2.14	-2.14	-2.14	-2.14	-2.14
11.12.89	-2.12	-2.12	-2.12	-2.12	-2.12	-2.12	-2.12
15.01.90	-2.09	-2.09	-2.09	-2.09	-2.09	-2.09	-2.09
27.02.90	-2.06	-2.06	-2.06	-2.06	-2.06	-2.06	-2.06
08.04.90	-2.09	-2.09	-2.09	-2.09	-2.09	-2.09	-2.09
27.05.90	-2.12	-2.12	-2.12	-2.12	-2.12	-2.12	-2.12
25.07.90	-2.15	-2.15	-2.15	-2.15	-2.15	-2.15	-2.15
04.10.90	-2.19	-2.19	-2.19	-2.19	-2.19	-2.19	-2.19
28.12.90	-2.24	-2.24	-2.24	-2.24	-2.24	-2.24	-2.24
09.01.91	-2.25	-2.25	-2.25	-2.25	-2.25	-2.25	-2.25
23.01.91	-2.26	-2.26	-2.26	-2.26	-2.26	-2.26	-2.26
10.02.91	-2.27	-2.27	-2.27	-2.27	-2.27	-2.27	-2.27
03.03.91	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28
28.03.91	-2.30	-2.30	-2.30	-2.30	-2.30	-2.30	-2.30
26.04.91	-2.32	-2.32	-2.32	-2.32	-2.32	-2.32	-2.32
30.05.91	-2.35	-2.35	-2.35	-2.35	-2.35	-2.35	-2.35
11.07.91	-2.39	-2.39	-2.39	-2.39	-2.39	-2.39	-2.39
29.08.91	-2.43	-2.43	-2.43	-2.43	-2.43	-2.43	-2.43
28.10.91	-2.48	-2.48	-2.48	-2.48	-2.48	-2.48	-2.48
21.11.91	-2.49	-2.49	-2.49	-2.49	-2.49	-2.49	-2.49
20.12.91	-2.50	-2.50	-2.50	-2.50	-2.50	-2.50	-2.50
25.01.92	-2.50	-2.50	-2.50	-2.50	-2.50	-2.50	-2.50
07.03.92	-2.50	-2.50	-2.50	-2.50	-2.50	-2.50	-2.50
27.04.92	-2.51	-2.51	-2.51	-2.51	-2.51	-2.51	-2.51
29.05.92	-2.53	-2.53	-2.53	-2.53	-2.53	-2.53	-2.53
07.07.92	-2.56	-2.56	-2.56	-2.56	-2.56	-2.56	-2.56
23.08.92	-2.59	-2.59	-2.59	-2.59	-2.59	-2.59	-2.59
19.10.92	-2.64	-2.64	-2.64	-2.64	-2.64	-2.64	-2.64
26.12.92	-2.69	-2.69	-2.69	-2.69	-2.69	-2.69	-2.69
23.01.93	-2.70	-2.70	-2.70	-2.70	-2.70	-2.70	-2.70
26.02.93	-2.71	-2.71	-2.71	-2.71	-2.71	-2.71	-2.71
09.04.93	-2.74	-2.74	-2.74	-2.74	-2.74	-2.74	-2.74
28.05.93	-2.77	-2.77	-2.77	-2.77	-2.77	-2.77	-2.77
27.07.93	-2.81	-2.81	-2.81	-2.81	-2.81	-2.81	-2.81
12.08.93	-2.84	-2.84	-2.84	-2.84	-2.84	-2.84	-2.84
01.09.93	-2.86	-2.86	-2.86	-2.86	-2.86	-2.86	-2.86
24.09.93	-2.90	-2.90	-2.90	-2.90	-2.90	-2.90	-2.90
23.10.93	-2.94	-2.94	-2.94	-2.94	-2.94	-2.94	-2.94
26.11.93	-2.99	-2.99	-2.99	-2.99	-2.99	-2.99	-2.99
20.12.93	-3.01	-3.01	-3.01	-3.01	-3.01.	-3.01	-3.01
18.01.94	-3.04	-3.04	-3.04	-3.04	-3.04	-3.04	-3.04
23.02.94	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08
06.04.94	-3.12	-3.12	-3.12	-3.12	-3.12	-3.12	-3.12
27.05.94	-3.18	-3.18	-3.18	-3.18	-3.18	-3.18	-3.18
04.08.94	-3.29	-3.29	-3.29	-3.29	-3.29	-3.29	-3.29
26.10.94	-3.42	-3.42	-3.42	-3.42	-3.42	-3.42	-3.42
03.02.95	-3.58	-3.58	-3.58	-3.58	-3.58	-3.58	-3.58
03.06.95	-3.77	-3.77	-3.77	-3.77	-3.77	-3.77	-3.77
26.10.95	-3.98	-3.98	-3.98	-3.98	-3.98	-3.98	-3.98
19.11.95	-4.01	-4.01	-4.01	-4.01	-4.01	-4.01	-4.01
18.12.95	-4.04	-4.04	-4.04	-4.04	-4.04	-4.04	-4.04

Well BM-1 Water Levels (mamsl)

Date	Non-Int.	DM 30-2000	DM 30-2008	DM50-2000	DM 50-2008	Zero-2008	SM-2008
23.01.96	-4.07	-4.07	-4.07	-4.07	-4.07	-4.07	-4.07
05.03.96	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11
25.04.96	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15
31.05.96	-4.18	-4.18	-4.18	-4.18	-4.18	-4.18	-4.18
15.07.96	-4.21	-4.21	-4.21	-4.21	-4.21	-4.21	-4.21
06.09.96	-4.25	-4.25	-4.25	-4.25	-4.25	-4.25	-4.25
08.11.96	-4.29	-4.29	-4.29	-4.29	-4.29	-4.29	-4.29
24.01.97	-4.34	-4.34	-4.34	-4.34	-4.34	-4.34	-4.34
21.02.97	-4.34	-4.34	-4.34	-4.34	-4.34	-4.34	-4.34
27.03.97	-4.35	-4.35	-4.35	-4.35	-4.35	-4.35	-4.35
08.05.97	-4.36	-4.36	-4.36	-4.36	-4.36	-4.36	-4.36
26.06.97	-4.37	-4.37	-4.37	-4.37	-4.37	-4.37	-4.37
25.08.97	-4.39	-4.39	-4.39	-4.39	-4.39	-4.39	-4.39
10.09.97	-4.39	-4.39	-4.39	-4.39	-4.39	-4.39	-4.39
30.09.97	-4.40	-4.40	-4.40	-4.40	-4.40	-4.40	-4.40
23.10.97	-4.40	-4.40	-4.40	-4.40	-4.40	-4.40	-4.40
21.11.97	-4.41	-4.41	-4.41	-4.41	-4.41	-4.41	-4.41
25.12.97	-4.42	-4.42	-4.42	-4.42	-4.42	-4.42	-4.42
14.01.98	-4.41	-4.41	-4.41	-4.41	-4.41	-4.41	-4.41
07.02.98	-4.39	-4.39	-4.39	-4.39	-4.39	-4.39	-4.39
09.03.98	-4.37	-4.37	-4.37	-4.37	-4.37	-4.37	-4.37
13.04.98	-4.35	-4.35	-4.35	-4.35	-4.35	-4.35	-4.35
26.05.98	-4.32	-4.32	-4.32	-4.32	-4.32	-4.32	-4.32
15.06.98	-4.32	-4.32	-4.32	-4.32	-4.32	-4.32	-4.32
09.07.98	-4.32	-4.32	-4.32	-4.32	-4.32	-4.32	-4.32
08.08.98	-4.33	-4.33	-4.33	-4.33	-4.33	-4.33	-4.33
12.09.98	-4.33	-4.33	-4.33	-4.33	-4.33	-4.33	-4.33
25.10.98	-4.34	-4.34	-4.34	-4.34	-4.34	-4.34	-4.34
22.11.98	-4.31	-4.31	-4.31	-4.31	-4.31	-4.31	-4.31
26.12.98	-4.29	-4.29	-4.29	-4.29	-4.29	-4.29	-4.29
06.02.99	-4.26	-4.26	-4.26	-4.26	-4.26	-4.26	-4.26
27.03.99	-4.22	-4.22	-4.22	-4.22	-4.22	-4.22	-4.22
26.05.99	-4.19	-4.19	-4.19	-4.19	-4.19	-4.19	-4.19
11.08.99	-4.17	-4.17	-4.17	-4.16	-4.17	-4.17	-4.17
12.11.99	-4.16	-4.14	-4.16	-4.12	-4.16	-4.16	-4.16
03.03.00	-4.15	-4.11	-4.15	-4.07	-4.15	-4.15	-4.15
15.07.00	-4.14	-4.07	-4.14	-4.01	-4.14	-4.14	-4.14
24.12.00	-4.15	-4.02	-4.15	-3.93	-4.15	-4.15	-4.15
13.01.01	-4.14	-4.01	-4.14	-3.91	-4.14	-4.14	-4.14
06.02.01	-4.13	-4.00	-4.13	-3.89	-4.13	-4.13	-4.13
08.03.01	-4.13	-3.98	-4.13	-3.87	-4.13	-4.13	-4.13
12.04.01	-4.12	-3.96	-4.12	-3.84	-4.12	-4.12	-4.12
25.05.01	-4.11	-3.94	-4.11	-3.81	-4.11	-4.11	-4.11
30.06.01	-4.10	-3.92	-4.10	-3.79	-4.10	-4.10	-4.10
14.08.01	-4.10	-3.91	-4.10	-3.76	-4.10	-4.10	-4.10
06.10.01	-4.09	-3.89	-4.09	-3.73	-4.09	-4.09	-4.09
08.12.01	-4.09	-3.87	-4.09	-3.70	-4.09	-4.09	-4.09
23.02.02	-4.09	-3.85	-4.09	-3.66	-4.09	-4.09	-4.09
23.03.02	-4.07	-3.82	-4.07	-3.63	-4.07	-4.07	-4.07
26.04.02	-4.05	-3.79	-4.05	-3.59	-4.05	-4.05	-4.05
07.06.02	-4.02	-3.76	-4.02	-3.55	-4.02	-4.02	-4.02
26.07.02	-4.00	-3.72	-4.00	-3.50	-4.00	-4.00	-4.00
24.09.02	-3.97	-3.68	-3.97	-3.45	-3.97	-3.97	-3.97
14.10.02	-3.97	-3.67	-3.97	-3.44	-3.97	-3.97	-3.97

Well BM-1 Water Levels (mamsl)

Date	Non-Int.	DM 30-2000	DM 30-2008	DM50-2000	DM 50-2008	Zero-2008	SM-2008
07.11.02	-3.96	-3.66	-3.96	-3.42	-3.96	-3.96	-3.96
07.12.02	-3.96	-3.66	-3.96	-3.41	-3.96	-3.96	-3.96
11.01.03	-3.96	-3.65	-3.96	-3.40	-3.96	-3.96	-3.96
23.02.03	-3.96	-3.64	-3.96	-3.38	-3.96	-3.96	-3.96
19.03.03	-3.94	-3.61	-3.94	-3.35	-3.94	-3.94	-3.94
17.04.03	-3.92	-3.59	-3.92	-3.31	-3.92	-3.92	-3.92
23.05.03	-3.89	-3.55	-3.89	-3.27	-3.89	-3.89	-3.89
04.07.03	-3.86	-3.51	-3.86	-3.23	-3.86	-3.86	-3.86
24.08.03	-3.82	-3.47	-3.82	-3.18	-3.82	-3.82	-3.82
09.09.03	-3.82	-3.47	-3.82	-3.17	-3.82	-3.82	-3.82
29.09.03	-3.82	-3.46	-3.82	-3.16	-3.82	-3.82	-3.82
22.10.03	-3.82	-3.46	-3.82	-3.15	-3.82	-3.82	-3.82
20.11.03	-3.82	-3.45	-3.82	-3.14	-3.82	-3.82	-3.82
24.12.03	-3.82	-3.44	-3.82	-3.13	-3.82	-3.82	-3.82
13.01.04	-3.80	-3.42	-3.80	-3.10	-3.80	-3.80	-3.80
06.02.04	-3.77	-3.39	-3.77	-3.07	-3.77	-3.77	-3.77
07.03.04	-3.74	-3.36	-3.74	-3.03	-3.74	-3.74	-3.74
11.04.04	-3.71	-3.32	-3.71	-2.99	-3.71	-3.71	-3.71
24.05.04	-3.67	-3.27	-3.67	-2.93	-3.67	-3.67	-3.67
03.07.04	-3.66	-3.27	-3.66	-2.92	-3.66	-3.66	-3.66
21.08.04	-3.66	-3.26	-3.66	-2.91	-3.66	-3.66	-3.66
19.10.04	-3.66	-3.26	-3.66	-2.89	-3.66	-3.66	-3.66
29.12.04	-3.66	-3.25	-3.66	-2.88	-3.66	-3.66	-3.66
24.03.05	-3.66	-3.24	-3.66	-2.86	-3.66	-3.66	-3.66
13.04.05	-3.66	-3.24	-3.66	-2.85	-3.66	-3.66	-3.66
07.05.05	-3.66	-3.23	-3.66	-2.84	-3.66	-3.66	-3.66
06.06.05	-3.66	-3.23	-3.66	-2.83	-3.66	-3.66	-3.66
11.07.05	-3.65	-3.22	-3.65	-2.82	-3.65	-3.65	-3.65
23.08.05	-3.65	-3.21	-3.65	-2.81	-3.65	-3.65	-3.65
31.08.05	-3.65	-3.21	-3.65	-2.80	-3.65	-3.65	-3.65
10.09.05	-3.65	-3.21	-3.65	-2.80	-3.65	-3.65	-3.65
21.09.05	-3.64	-3.21	-3.64	-2.80	-3.64	-3.64	-3.64
06.10.05	-3.64	-3.21	-3.64	-2.79	-3.64	-3.64	-3.64
23.10.05	-3.64	-3.20	-3.64	-2.79	-3.64	-3.64	-3.64
12.11.05	-3.61	-3.17	-3.61	-2.76	-3.61	-3.61	-3.61
06.12.05	-3.58	-3.14	-3.58	-2.72	-3.58	-3.58	-3.58
05.01.06	-3.54	-3.09	-3.54	-2.67	-3.54	-3.54	-3.54
09.02.06	-3.49	-3.04	-3.49	-2.61	-3.49	-3.49	-3.49
24.03.06	-3.43	-2.98	-3.43	-2.55	-3.43	-3.43	-3.43
03.05.06	-3.42	-2.98	-3.42	-2.54	-3.42	-3.42	-3.42
21.06.06	-3.42	-2.97	-3.42	-2.52	-3.42	-3.42	-3.42
19.08.06	-3.41	-2.96	-3.41	-2.51	-3.41	-3.41	-3.41
29.10.06	-3.40	-2.96	-3.40	-2.49	-3.40	-3.40	-3.40
22.01.07	-3.40	-2.95	-3.40	-2.48	-3.40	-3.40	-3.40
03.02.07	-3.39	-2.95	-3.39	-2.47	-3.39	-3.39	-3.39
17.02.07	-3.39	-2.94	-3.39	-2.47	-3.39	-3.39	-3.39
07.03.07	-3.39	-2.94	-3.39	-2.46	-3.39	-3.39	-3.39
28.03.07	-3.38	-2.93	-3.38	-2.45	-3.38	-3.38	-3.38
23.04.07	-3.38	-2.93	-3.38	-2.44	-3.38	-3.38	-3.38
21.05.07	-3.37	-2.93	-3.37	-2.44	-3.37	-3.37	-3.37
24.06.07	-3.37	-2.92	-3.37	-2.43	-3.37	-3.37	-3.37
05.08.07	-3.36	-2.92	-3.36	-2.42	-3.36	-3.36	-3.36
23.09.07	-3.35	-2.91	-3.35	-2.41	-3.35	-3.35	-3.35
22.11.07	-3.35	-2.90	-3.35	-2.39	-3.35	-3.35	-3.35

Well BM-1 Water Levels (mamsl)

Date	Non-Int.	DM 30-2000	DM 30-2008	DM50-2000	DM 50-2008	Zcro-2008	SM-2008
16.12.07	-3.33	-2.89	-3.33	-2.38	-3.33	-3.33	-3.33
14.01.08	-3.31	-2.87	-3.31	-2.35	-3.31	-3.31	-3.31
19.02.08	-3.29	-2.85	-3.29	-2.33	-3.28	-3.29	-3.29
01.04.08	-3.26	-2.82	-3.26	-2.30	-3.25	-3.26	-3.26
22.05.08	-3.23	-2.80	-3.22	-2.27	-3.21	-3.23	-3.22
23.06.08	-3.23	-2.79	-3.21	-2.26	-3.20	-3.23	-3.21
01.08.08	-3.22	-2.79	-3.20	-2.25	-3.18	-3.22	-3.19
17.09.08	-3.21	-2.78	-3.18	-2.24	-3.16	-3.21	-3.16
13.11.08	-3.20	-2.77	-3.16	-2.22	-3.13	-3.20	-3.11
20.01.09	-3.19	-2.77	-3.13	-2.21	-3.09	-3.19	-3.05
17.02.09	-3.17	-2.75	-3.11	-2.19	-3.06	-3.17	-3.01
23.03.09	-3.14	-2.72	-3.07	-2.16	-3.02	-3.14	-2.96
04.05.09	-3.11	-2.69	-3.03	-2.13	-2.98	-3.11	-2.89
22.06.09	-3.08	-2.66	-2.99	-2.09	-2.93	-3.08	-2.81
21.08.09	-3.04	-2.63	-2.94	-2.05	-2.86	-3.04	-2.71
06.09.09	-3.04	-2.63	-2.93	-2.05	-2.86	-3.03	-2.69
26.09.09	-3.04	-2.63	-2.93	-2.04	-2.85	-3.02	-2.67
19.10.09	-3.03	-2.62	-2.92	-2.04	-2.84	-3.00	-2.65
17.11.09	-3.03	-2.62	-2.91	-2.04	-2.82	-2.99	-2.62
21.12.09	-3.03	-2.62	-2.90	-2.03	-2.81	-2.96	-2.58
14.01.10	-3.01	-2.61	-2.88	-2.02	-2.78	-2.93	-2.54
12.02.10	-3.00	-2.59	-2.86	-2.00	-2.75	-2.89	-2.49
20.03.10	-2.97	-2.57	-2.83	-1.97	-2.72	-2.84	-2.43
01.05.10	-2.95	-2.55	-2.79	-1.95	-2.68	-2.78	-2.36
21.06.10	-2.92	-2.52	-2.76	-1.92	-2.63	-2.71	-2.28
29.08.10	-2.91	-2.52	-2.74	-1.91	-2.60	-2.64	-2.21
20.11.10	-2.90	-2.52	-2.72	-1.90	-2.57	-2.56	-2.12
28.02.11	-2.89	-2.52	-2.69	-1.89	-2.53	-2.47	-2.02
28.06.11	-2.88	-2.52	-2.67	-1.88	-2.48	-2.35	-1.90
20.11.11	-2.87	-2.52	-2.64	-1.87	-2.43	-2.22	-1.76
14.12.11	-2.86	-2.51	-2.62	-1.85	-2.42	-2.18	-1.73
12.01.12	-2.84	-2.50	-2.60	-1.84	-2.39	-2.15	-1.69
17.02.12	-2.83	-2.49	-2.58	-1.82	-2.37	-2.10	-1.65
30.03.12	-2.81	-2.47	-2.56	-1.80	-2.34	-2.05	-1.59
20.05.12	-2.79	-2.45	-2.53	-1.78	-2.30	-1.99	-1.53
25.06.12	-2.78	-2.45	-2.52	-1.78	-2.29	-1.96	-1.50
09.08.12	-2.78	-2.45	-2.52	-1.77	-2.28	-1.92	-1.46
01.10.12	-2.78	-2.45	-2.51	-1.77	-2.26	-1.88	-1.42
03.12.12	-2.77	-2.45	-2.50	-1.77	-2.24	-1.83	-1.36
18.02.13	-2.77	-2.45	-2.49	-1.76	-2.22	-1.77	-1.30
18.03.13	-2.75	-2.44	-2.47	-1.75	-2.20	-1.74	-1.27
21.04.13	-2.74	-2.43	-2.45	-1.73	-2.18	-1.70	-1.23
02.06.13	-2.72	-2.42	-2.43	-1.71	-2.15	-1.65	-1.18
21.07.13	-2.70	-2.40	-2.41	-1.69	-2.12	-1.60	-1.13
19.09.13	-2.68	-2.38	-2.38	-1.67	-2.09	-1.53	-1.06
05.10.13	-2.68	-2.38	-2.37	-1.67	-2.08	-1.52	-1.05
25.10.13	-2.68	-2.38	-2.37	-1.67	-2.08	-1.51	-1.04
17.11.13	-2.68	-2.38	-2.37	-1.67	-2.07	-1.49	-1.02
16.12.13	-2.67	-2.38	-2.37	-1.66	-2.07	-1.48	-1.00
19.01.14	-2.67	-2.38	-2.36	-1.66	-2.06	-1.45	-0.98
08.02.14	-2.65	-2.36	-2.34	-1.64	-2.03	-1.42	-0.94
04.03.14	-2.63	-2.34	-2.31	-1.62	-2.00	-1.38	-0.90
03.04.14	-2.60	-2.31	-2.28	-1.59	-1.97	-1.33	-0.85
08.05.14	-2.56	-2.28	-2.24	-1.55	-1.93	-1.28	-0.80

Well BM-1 Water Levels (mamsl)

Date	Non-Int.	DM 30-2000	DM 30-2008	DM50-2000	DM 50-2008	Zero-2008	SM-2008
20.06.14	-2.52	-2.24	-2.20	-1.51	-1.88	-1.21	-0.73
10.07.14	-2.52	-2.25	-2.20	-1.51	-1.88	-1.20	-0.72
03.08.14	-2.52	-2.25	-2.20	-1.51	-1.87	-1.19	-0.71
02.09.14	-2.53	-2.25	-2.20	-1.51	-1.87	-1.18	-0.69
07.10.14	-2.53	-2.26	-2.20	-1.51	-1.87	-1.16	-0.67
19.11.14	-2.53	-2.26	-2.20	-1.52	-1.86	-1.14	-0.65
17.12.14	-2.51	-2.25	-2.18	-1.50	-1.84	-1.11	-0.62
20.01.15	-2.49	-2.23	-2.15	-1.48	-1.81	-1.07	-0.58
03.03.15	-2.46	-2.20	-2.13	-1.45	-1.78	-1.03	-0.53
21.04.15	-2.43	-2.18	-2.10	-1.42	-1.74	-0.98	-0.48
20.06.15	-2.40	-2.15	-2.06	-1.39	-1.70	-0.92	-0.42
05.09.15	-2.40	-2.16	-2.06	-1.39	-1.69	-0.89	-0.38
07.12.15	-2.41	-2.17	-2.06	-1.40	-1.69	-0.86	-0.34
28.03.16	-2.41	-2.19	-2.06	-1.41	-1.68	-0.82	-0.30
09.08.16	-2.41	-2.20	-2.06	-1.41	-1.66	-0.77	-0.24
18.01.17	-2.41	-2.22	-2.06	-1.41	-1.64	-0.71	-0.17
07.02.17	-2.41	-2.22	-2.06	-1.41	-1.64	-0.70	-0.16
03.03.17	-2.40	-2.22	-2.05	-1.41	-1.63	-0.69	-0.15
02.04.17	-2.40	-2.22	-2.05	-1.41	-1.63	-0.68	-0.13
07.05.17	-2.40	-2.22	-2.05	-1.40	-1.62	-0.66	-0.11
19.06.17	-2.39	-2.21	-2.04	-1.40	-1.61	-0.64	0.09
25.07.17	-2.39	-2.22	-2.04	-1.40	-1.61	-0.63	0.08
08.09.17	-2.39	-2.22	-2.04	-1.40	-1.60	-0.61	0.06
31.10.17	-2.39	-2.22	-2.03	-1.40	-1.59	-0.59	0.03
02.01.18	-2.38	-2.22	-2.03	-1.40	-1.58	-0.57	0.01
20.03.18	-2.38	-2.23	-2.02	-1.39	-1.57	-0.54	0.03
17.04.18	-2.37	-2.22	-2.01	-1.38	-1.56	-0.52	0.05
21.05.18	-2.35	-2.20	-2.00	-1.37	-1.54	-0.50	0.08
02.07.18	-2.33	-2.19	-1.98	-1.35	-1.52	-0.47	0.11
20.08.18	-2.31	-2.17	-1.96	-1.33	-1.49	-0.43	0.15
19.10.18	-2.29	-2.16	-1.93	-1.31	-1.46	-0.39	0.19
08.11.18	-2.29	-2.16	-1.93	-1.31	-1.46	-0.39	0.20
02.12.18	-2.29	-2.16	-1.93	-1.31	-1.46	-0.38	0.21
01.01.19	-2.29	-2.16	-1.93	-1.31	-1.45	-0.37	0.22
05.02.19	-2.29	-2.16	-1.93	-1.31	-1.45	-0.36	0.23
20.03.19	-2.29	-2.17	-1.93	-1.31	-1.45	-0.35	0.25
13.04.19	-2.27	-2.15	-1.91	-1.29	-1.42	-0.32	0.28
12.05.19	-2.24	-2.13	-1.89	-1.27	-1.40	-0.29	0.31
17.06.19	-2.22	-2.10	-1.86	-1.24	-1.37	-0.26	0.35
29.07.19	-2.18	-2.08	-1.83	-1.21	-1.33	-0.22	0.39
18.09.19	-2.15	-2.04	-1.79	-1.18	-1.29	-0.17	0.44
04.10.19	-2.15	-2.05	-1.79	-1.18	-1.29	-0.16	0.45
24.10.19	-2.15	-2.05	-1.79	-1.18	-1.29	-0.16	0.45
16.11.19	-2.15	-2.05	-1.79	-1.18	-1.29	-0.16	0.46
15.12.19	-2.15	-2.06	-1.79	-1.18	-1.29	-0.15	0.47
17.01.20	-2.15	-2.06	-1.80	-1.19	-1.29	-0.15	0.47
07.02.20	-2.14	-2.05	-1.78	-1.17	-1.27	-0.13	0.50
02.03.20	-2.12	-2.03	-1.76	-1.15	-1.25	-0.10	0.52
01.04.20	-2.09	-2.01	-1.74	-1.13	-1.22	0.07	0.56
06.05.20	-2.07	-1.98	-1.71	-1.10	-1.19	0.04	0.59
17.06.20	-2.03	-1.96	-1.68	-1.07	-1.16	0.00	0.64
28.07.20	-2.04	-1.96	-1.68	-1.08	-1.16	0.00	0.64
15.09.20	-2.04	-1.97	-1.69	-1.08	-1.16	0.01	0.65
13.11.20	-2.05	-1.99	-1.69	-1.09	-1.17	0.01	0.66

Well BM-1 Water Levels (mamsl)

Date	Non-Int.	DM 30-2000	DM 30-2008	DM50-2000	DM 50-2008	Zero-2008	SM-2008
23.01.21	-2.05	-2.00	-1.70	-1.10	-1.17	0.02	0.67
17.04.21	-2.06	-2.01	-1.71	-1.11	-1.17	0.03	0.69
08.05.21	-2.06	-2.01	-1.71	-1.11	-1.17	0.04	0.70
01.06.21	-2.06	-2.01	-1.71	-1.11	-1.16	0.05	0.71
01.07.21	-2.05	-2.01	-1.70	-1.11	-1.16	0.05	0.72
05.08.21	-2.05	-2.01	-1.70	-1.10	-1.15	0.06	0.73
16.09.21	-2.04	-2.01	-1.70	-1.10	-1.15	0.08	0.75
25.09.21	-2.04	-2.01	-1.70	-1.10	-1.14	0.08	0.75
05.10.21	-2.04	-2.02	-1.70	-1.10	-1.14	0.08	0.75
16.10.21	-2.04	-2.02	-1.70	-1.10	-1.14	0.08	0.75
31.10.21	-2.05	-2.02	-1.70	-1.10	-1.14	0.08	0.76
16.11.21	-2.05	-2.02	-1.70	-1.11	-1.14	0.09	0.76
07.12.21	-2.02	-2.00	-1.67	-1.08	-1.12	0.12	0.79
31.12.21	-1.99	-1.97	-1.64	-1.05	-1.09	0.15	0.83
30.01.22	-1.95	-1.94	-1.61	-1.02	-1.05	0.19	0.87
06.03.22	-1.91	-1.90	-1.57	-0.98	-1.01	0.24	0.91
17.04.22	-1.86	-1.85	-1.52	-0.93	-0.96	0.29	0.97
28.05.22	-1.86	-1.86	-1.53	-0.94	-0.96	0.29	0.97
16.07.22	-1.87	-1.87	-1.53	-0.95	-0.97	0.29	0.97
13.09.22	-1.88	-1.89	-1.54	-0.96	-0.97	0.30	0.97
23.11.22	-1.88	-1.90	-1.55	-0.97	-0.98	0.30	0.98
15.02.23	-1.89	-1.92	-1.56	-0.99	-0.98	0.30	0.99
28.02.23	-1.89	-1.92	-1.56	-0.99	-0.98	0.31	0.99
14.03.23	-1.89	-1.92	-1.56	-0.99	-0.98	0.31	1.00
01.04.23	-1.89	-1.92	-1.56	-0.98	-0.98	0.31	1.00
22.04.23	-1.88	-1.92	-1.56	-0.98	-0.97	0.32	1.01
17.05.23	-1.88	-1.92	-1.56	-0.98	-0.97	0.33	1.01
15.06.23	-1.88	-1.93	-1.56	-0.99	-0.97	0.33	1.02
19.07.23	-1.89	-1.93	-1.56	-0.99	-0.97	0.33	1.02
30.08.23	-1.89	-1.94	-1.57	-0.99	-0.97	0.34	1.03
18.10.23	-1.89	-1.95	-1.57	-1.00	-0.97	0.34	1.04
16.12.23	-1.89	-1.95	-1.57	-1.00	-0.97	0.35	1.05
10.01.24	-1.88	-1.95	-1.57	-0.99	-0.96	0.36	1.06
08.02.24	-1.87	-1.94	-1.55	-0.98	-0.95	0.38	1.08
15.03.24	-1.85	-1.92	-1.54	-0.97	-0.93	0.40	1.10
26.04.24	-1.83	-1.91	-1.52	-0.95	-0.92	0.43	1.13
15.06.24	-1.81	-1.90	-1.50	-0.94	-0.89	0.45	1.16
18.07.24	-1.81	-1.90	-1.51	-0.94	-0.90	0.46	1.16
26.08.24	-1.81	-1.91	-1.51	-0.95	-0.90	0.46	1.16
12.10.24	-1.81	-1.91	-1.51	-0.95	-0.90	0.46	1.17
08.12.24	-1.82	-1.92	-1.52	-0.96	-0.90	0.47	1.18
13.02.25	-1.82	-1.93	-1.52	-0.96	-0.90	0.48	1.19
14.03.25	-1.80	-1.92	-1.51	-0.95	-0.88	0.50	1.21
17.04.25	-1.78	-1.90	-1.49	-0.93	-0.86	0.52	1.23
29.05.25	-1.75	-1.88	-1.47	-0.91	-0.84	0.55	1.26
17.07.25	-1.73	-1.86	-1.44	-0.88	-0.81	0.59	1.30
14.09.25	-1.69	-1.83	-1.41	-0.86	-0.78	0.63	1.34
01.10.25	-1.70	-1.84	-1.41	-0.86	-0.78	0.63	1.34
21.10.25	-1.70	-1.84	-1.42	-0.86	-0.78	0.63	1.34
13.11.25	-1.70	-1.84	-1.42	-0.87	-0.79	0.63	1.34
12.12.25	-1.70	-1.85	-1.42	-0.87	-0.79	0.63	1.34
14.01.26	-1.70	-1.86	-1.43	-0.87	-0.79	0.63	1.34
08.02.26	-1.69	-1.85	-1.42	-0.87	-0.78	0.64	1.36
09.03.26	-1.68	-1.84	-1.40	-0.85	-0.77	0.66	1.37

Well BM-1 Water Levels (mamsl)

Date	Non-Int.	DM 30-2000	DM 30-2008	DM50-2000	DM 50-2008	Zero-2008	SM-2008
14.04.26	-1.66	-1.83	-1.39	-0.84	-0.75	0.68	1.39
26.05.26	-1.65	-1.81	-1.37	-0.83	-0.73	0.70	1.42
15.07.26	-1.62	-1.80	-1.35	-0.81	-0.71	0.73	1.44
23.09.26	-1.63	-1.81	-1.36	-0.82	-0.72	0.72	1.44
15.12.26	-1.64	-1.83	-1.37	-0.83	-0.73	0.73	1.45
25.03.27	-1.64	-1.84	-1.39	-0.85	-0.74	0.73	1.45
23.07.27	-1.65	-1.86	-1.40	-0.86	-0.74	0.74	1.47
14.12.27	-1.65	-1.88	-1.41	-0.87	-0.74	0.75	1.49
08.01.28	-1.64	-1.87	-1.40	-0.86	-0.73	0.76	1.50
06.02.28	-1.63	-1.87	-1.39	-0.86	-0.72	0.78	1.51
13.03.28	-1.62	-1.86	-1.38	-0.85	-0.71	0.79	1.53
24.04.28	-1.60	-1.85	-1.37	-0.83	-0.70	0.81	1.55
13.06.28	-1.59	-1.84	-1.35	-0.82	-0.68	0.83	1.57
20.07.28	-1.59	-1.84	-1.36	-0.83	-0.68	0.83	1.57
03.09.28	-1.59	-1.85	-1.36	-0.83	-0.69	0.83	1.58
26.10.28	-1.59	-1.86	-1.36	-0.83	-0.69	0.83	1.58
28.12.28	-1:59	-1.86	-1.37	-0.84	-0.69	0.84	1.59
14.03.29	-1.59	-1.87	-1.37	-0.85	-0.69	0.85	1.60
12.04.29	-1.58	-1.86	-1.36	-0.84	-0.68	0.86	1.61
16.05.29	-1.57	-1.85	-1.35	-0.82	-0.67	0.87	1.63
27.06.29	-1.55	-1.84	-1.34	-0.81	-0.65	0.89	1.65
15.08.29	-1.53	-1.83	-1.32	-0.80	-0.63	0.91	1.67
13.10.29	-1.51	-1.82	-1.30	-0.78	-0.61	0.94	1.70
30.10.29	-1.51	-1.82	-1.31	-0.78	-0.62	0.94	1.70
19.11.29	-1.51	-1.82	-1.31	-0.79	-0.62	0.94	1.70
12.12.29	-1.51	-1.82	-1.31	-0.79	-0.62	0.94	1.70
10.01.30	-1.51	-1.83	-1.31	-0.79	-0.62	0.94	1.70
13.02.30	-1.52	-1.83	-1.31	-0.79	-0.62	0.94	1.70
05.03.30	-1.50	-1.82	-1.30	-0.78	-0.60	0.96	1.73
29.03.30	-1.47	-1.79	-1.27	-0.75	-0.58	0.99	1.75
28.04.30	-1.44	-1.77	-1.25	-0.73	-0.55	1.02	1.78
02.06.30	-1.41	-1.74	-1.22	-0.70	-0.52	1.05	1.82
15.07.30	-1.37	-1.71	-1.18	-0.67	-0.48	1.09	1.86
04.08.30	-1.38	-1.71	-1.18	-0.67	-0.49	1.08	1.85
28.08.30	-1.38	-1.72	-1.19	-0.68	-0.49	1.08	1.85
27.09.30	-1.38	-1.72	-1.19	-0.68	-0.50	1.08	1.85
01.11.30	-1.39	-1.73	-1.20	-0.69	-0.50	1.07	1.85
14.12.30	-1.39	-1.74	-1.21	-0.70	-0.51	1.07	1.84
11.01.31	-1.38	-1.73	-1.19	-0.68	-0.49	1.09	1.86
14.02.31	-1.36	-1.71	-1.17	-0.67	-0.48	1.11	1.88
28.03.31	-1.34	-1.69	-1.15	-0.65	-0.46	1.13	1.91
16.05.31	-1.31	-1.67	-1.13	-0.63	-0.43	1.15	1.93
15.07.31	-1.28	-1.65	-1.11	-0.61	-0.41.	1.18	1.97
30.09.31	-1.29	-1.67	-1.12	-0.63	-0.42	1.17	1.96
01.01.32	-1.30	-1.69	-1.14	-0.65	-0.44	1.16	1.95
22.04.32	-1.32	-1.72	-1.16	-0.67	-0.45	1.16	1.95
03.09.32	-1.33	-1.74	-1.18	-0.69	-0.46	1.15	1.95
12.02.33	-1.33	-1.77	-1.19	-0.70	-0.47	1.16	1.96
04.03.33	-1.33	-1.77	-1.19	-0.70	-0.47	1.16	1.96
28.03.33	-1.33	-1.77	-1.19	-0.70	-0.47	1.16	1.97
27.04.33	-1.33	-1.77	-1.19	-0.70	-0.47	1.17	1.97
01.06.33	-1.33	-1.77	-1.19	-0.70	-0.47	1.17	1.98
14.07.33	-1.32	-1.77	-1.19	-0.70	-0.47	1.18	1.98
19.08.33	-1.32	-1.78	-1.20	-0.71	-0.47	1.18	1.99

Well BM-1 Water Levels (mamsl)

Date	Non-Int.	DM 30-2000	DM 30-2008	DM50-2000	DM 50-2008	Zero-2008	SM-2008
03.10.33	-1.33	-1.78	-1.20	-0.71	-0.47	1.18	1.99
25.11.33	-1.33	-1.79	-1.20	-0.71	-0.47	1.18	1.99
27.01.34	-1.33	-1.80	-1.21	-0.72	-0.47	1.19	2.00
14.04.34	-1.33	-1.81	-1.21	-0.72	-0.47	1.19	2.01
12.05.34	-1.32	-1.80	-1.20	-0.71	-0.46	1.20	2.02
15.06.34	-1.30	-1.79	-1.19	-0.70	-0.45	1.22	2.04
27.07.34	-1.29	-1.77	-1.18	-0.69	-0.43	1.24	2.06
14.09.34	-1.27	-1.76	-1.16	-0.67	-0.42	1.26	2.08
13.11.34	-1.24	-1.75	-1.14	-0.66	-0.40	1.28	2.10
03.12.34	-1.25	-1.75	-1.14	-0.66	-0.40	1.28	2.10
27.12.34	-1.25	-1.75	-1.15	-0.66	-0.40	1.28	2.10
26.01.35	-1.25	-1.76	-1.15	-0.66	-0.40	1.28	2.10
02.03.35	-1.25	-1.76	-1.15	-0.67	-0.41	1.28	2.10
14.04.35	-1.25	-1.77	-1.15	-0.67	-0.41	1.28	2.10
08.05.35	-1.23	-1.75	-1.14	-0.66	-0.39	1.30	2.12
06.06.35	-1.21	-1.73	-1.12	-0.64	-0.37	1.32	2.15
12.07.35	-1.18	-1.71	-1.09	-0.61	-0.35	1.34	2.17
23.08.35	-1.15	-1.68	-1.07	-0.59	-0.32	1.37	2.20
13.10.35	-1.12	-1.65	-1.04	-0.56	-0.29	1.41	2.24
29.10.35	-1.12	-1.66	-1.04	-0.56	-0.29	1.41	2.24
18.11.35	-1.12	-1.66	-1.04	-0.57	-0.29	1.40	2.23
11.12.35	-1.13	-1.67	-1.05	-0.57	-0.30	1.40	2.23
09.01.36	-1.13	-1.67	-1.05	-0.58	-0.30	1.40	2.23
12.02.36	-1.13	-1.68	-1.06	-0.58	-0.31	1.39	2.23
03.03.36	-1.12	-1.67	-1.04	-0.57	-0.29	1.41	2.24
27.03.36	-1.10	-1.65	-1.03	-0.55	-0.27	1.43	2.26
26.04.36	-1.08	-1.63	-1.01	-0.53	-0.25	1.45	2.28
31.05.36	-1.05	-1.61	-0.98	-0.51	-0.23	1.47	2.30
13.07.36	-1.02	-1.58	-0.96	-0.49	-0.20	1.50	2.33
22.08.36	-1.03	-1.59	-0.97	-0.50	-0.21	1.49	2.32
10.10.36	-1.04	-1.61	-0.98	-0.51	-0.22	1.48	2.31
08.12.36	-1.05	-1.62	-0.99	-0.52	-0.23	1.47	2.30
17.02.37	-1.06	-1.64	-1.01	-0.54	-0.25	1.47	2.30
13.05.37	-1.07	-1.66	-1.02	-0.55	-0.26	1.46	2.29
02.06.37	-1.07	-1.66	-1.02	-0.56	-0.26	1.46	2.30
26.06.37	-1.07	-1.66	-1.02	-0.56	-0.26	1.46	2.30
26.07.37	-1.07	-1.66	-1.02	-0.56	-0.26	1.46	2.30
30.08.37	-1.07	-1.66	-1.02	-0.56	-0.26	1.47	2.30
12.10.37	-1.06	-1.67	-1.02	-0.56	-0.26	1.47	2.31
20.10.37	-1.06	-1.67	-1.02	-0.56	-0.26	1.47	2.31
30.10.37	-1.07	-1.67	-1.03	-0.56	-0.26	1.47	2.31
10.11.37	-1.07	-1.67	-1.03	-0.56	-0.26	1.47	2.31
25.11.37	-1.07	-1.67	-1.03	-0.57	-0.26	1.47	2.31
12.12.37	-1.07	-1.68	-1.03	-0.57	-0.26	1.47	2.31
01.01.38	-1.04	-1.65	-1.01	-0.55	-0.24	1.49	2.33
25.01.38	-1.02	-1.63	-0.98	-0.52	-0.21	1.52	2.36
24.02.38	-0.98	-1.60	-0.95	-0.49	-0.18	1.55	2.39
31.03.38	-0.94	-1.56	-0.91	-0.45	-0.14	1.59	2.43
13.05.38	-0.90	-1.52	-0.87	-0.41	0.10	1.63	2.46
22.06.38	-0.91	-1.53	-0.88	-0.42	-0.11	1.62	2.45
10.08.38	-0.92	-1.54	-0.90	-0.44	-0.12	1.61	2.44
08.10.38	-0.93	-1.56	-0.91	-0.45	-0.14	1.60	2.43
18.12.38	-0.95	-1.58	-0.93	-0.47	-0.15	1.59	2.42
13.03.39	-0.96	-1.60	-0.95	-0.49	-0.17	1.58	2.41

Well BM-1 Water Levels (mamsl)

Date	Non-Int.	DM 30-2000	DM 30-2008	DM50-2000	DM 50-2008	Zero-2008	SM-2008
25.03.39	-0.96	-1.60	-0.95	-0.49	-0.17	1.58	2.41
08.04.39	-0.96	-1.60	-0.95	-0.49	-0.17	1.58	2.41
26.04.39	-0.96	-1.60	-0.95	-0.49	-0.17	1.58	2.41
17.05.39	-0.96	-1.61	-0.95	-0.49	-0.17	1.58	2.41
12.06.39	-0.96	-1.61	-0.95	-0.49	-0.17	1.58	2.41
10.07.39	-0.96	-1.61	-0.95	-0.50	-0.17	1.58	2.41
13.08.39	-0.96	-1.62	-0.96	-0.50	-0.18	1.58	2.41
24.09.39	-0.97	-1.63	-0.97	-0.51	-0.18	1.57	2.41
12.11.39	-0.97	-1.64	-0.97	-0.52	-0.19	1.57	2.41
11.01.40	-0.98	-1.65	-0.98	-0.53	-0.19	1.57	2.40
04.02.40	-0.97	-1.64	-0.97	-0.52	-0.19	1.58	2.41
04.03.40	-0.96	-1.64	-0.97	-0.51	-0.18	1.59	2.43
09.04.40	-0.95	-1.63	-0.95	-0.50	-0.16	1.60	2.44
21.05.40	-0.93	-1.61	-0.94	-0.49	-0.15	1.62	2.45
11.07.40	-0.91	-1.60	-0.93	-0.47	-0.14	1.64	2.47
12.08.40	-0.92	-1.61	-0.93	-0.48	-0.14	1.63	2.47
20.09.40	-0.92	-1.62	-0.94	-0.49	-0.15	1.63	2.46
06.11.40	-0.93	-1.62	-0.95	-0.49	-0.15	1.62	2.46
02.01.41	-0.93	-1.64	-0.96	-0.50	-0.16	1.62	2.46
11.03.41	-0.94	-1.65	-0.96	-0.51	-0.17	1.62	2.45

Well RE-4 Water Levels (mamsl)

Date	Non-Int.	DM30-2000	DM30-2008	DM50-2000	DM50-2008	Zero-2008	SM-2008
29.12.76	3.24	3.24	3.24	3.24	3.24	3.24	3.24
01.02.77	3.22	3.22	3.22	3.22	3.22	3.22	3.22
15.03.77	3.22	3.22	3.22	3.22	3.22	3.22	3.22
03.05.77	3.24	3.24	3.24	3.24	3.24	3.24	3.24
02.07.77	3.27	3.27	3.27	3.27	3.27	3.27	3.27
18.07.77	3.27	3.27	3.27	3.27	3.27	3.27	3.27
07.08.77	3.28	3.28	3.28	3.28	3.28	3.28	3.28
30.08.77	3.28	3.28	3.28	3.28	3.28	3.28	3.28
28.09.77	3.29	3.29	3.29	3.29	3.29	3.29	3.29
01.11.77	3.29	3.29	3.29	3.29	3.29	3.29	3.29
25.11.77	3.30	3.30	3.30	3.30	3.30	3.30	3.30
24.12.77	3.31	3.31	3.31	3.31	3.31	3.31	3.31
29.01.78	3.32	3.32	3.32	3.32	3.32	3.32	3.32
12.03.78	3.33	3.33	3.33	3.33	3.33	3.33	3.33
01.05.78	3.34	3.34	3.34	3.34	3.34	3.34	3.34
10.07.78	3.35	3.35	3.35	3.35	3.35	3.35	3.35
01.10.78	3.35	3.35	3.35	3.35	3.35	3.35	3.35
09.01.79	3.34	3.34	3.34	3.34	3.34	3.34	3.34
09.05.79	3.33	3.33	3.33	3.33	3.33	3.33	3.33
01.10.79	3.31	3.31	3.31	3.31	3.31	3.31	3.31
25.10.79	3.31	3.31	3.31	3.31	3.31	3.31	3.31
23.11.79	3.31	3.31	3.31	3.31	3.31	3.31	3.31
29.12.79	3.31	3.31	3.31	3.31	3.31	3.31	3.31
09.02.80	3.31	3.31	3.31	3.31	3.31	3.31	3.31
31.03.80	3.31	3.31	3.31	3.31	3.31	3.31	3.31
06.05.80	3.31	3.31	3.31	3.31	3.31	3.31	3.31
20.06.80	3.30	3.30	3.30	3.30	3.30	3.30	3.30
12.08.80	3.30	3.30	3.30	3.30	3.30	3.30	3.30
14.10.80	3.29	3.29	3.29	3.29	3.29	3.29	3.29
30.12.80	3.27	3.27	3.27	3.27	3.27	3.27	3.27
27.01.81	3.27	3.27	3.27	3.27	3.27	3.27	3.27
02.03.81	3.27	3.27	3.27	3.27	3.27	3.27	3.27
13.04.81	3.26	3.26	3.26	3.26	3.26	3.26	3.26
01.06.81	3.25	3.25	3.25	3.25	3.25	3.25	3.25
31.07.81	3.24	3.24	3.24	3.24	3.24	3.24	3.24
16.08.81	3.24	3.24	3.24	3.24	3.24	3.24	3.24
05.09.81	3.23	3.23	3.23	3.23	3.23	3.23	3.23
28.09.81	3.22	3.22	3.22	3.22	3.22	3.22	3.22
27.10.81	3.21	3.21	3.21	3.21	3.21	3.21	3.21
30.11.81	3.19	3.19	3.19	3.19	3.19	3.19	3.19
20.12.81	3.19	3.19	3.19	3.19	3.19	3.19	3.19
13.01.82	3.18	3.18	3.18	3.18	3.18	3.18	3.18
12.02.82	3.18	3.18	3.18	3.18	3.18	3.18	3.18
19.03.82	3.18	3.18	3.18	3.18	3.18	3.18	3.18
01.05.82	3.17	3.17	3.17	3.17	3.17	3.17	3.17
21.05.82	3.16	3.16	3.16	3.16	3.16	3.16	3.16
14.06.82	3.15	3.15	3.15	3.15	3.15	3.15	3.15
14.07.82	3.13	3.13	3.13	3.13	3.13	3.13	3.13
18.08.82	3.11	3.11	3.11	3.11	3.11	3.11	3.11
30.09.82	3.08	3.08	3.08	3.08	3.08	3.08	3.08
28.10.82	3.06	3.06	3.06	3.06	3.06	3.06	3.06
01.12.82	3.04	3.04	3.04	3.04	3.04	3.04	3.04
12.01.83	3.02	3.02	3.02	3.02	3.02	3.02	3.02
02.03.83	2.99	2.99	2.99	2.99	2.99	2.99	2.99

Well RE-4 Water Levels (mamsl)

Date	Non-Int.	DM30-2000	DM30-2008	DM50-2000	DM50-2008	Zero-2008	SM-2008
01.05.83	2.95	2.95	2.95	2.95	2.95	2.95	2.95
17.07.83	2.89	2.89	2.89	2.89	2.89	2.89	2.89
18.10.83	2.81	2.81	2.81	2.81	2.81	2.81	2.81
07.02.84	2.71	2.71	2.71	2.71	2.71	2.71	2.71
20.06.84	2.59	2.59	2.59	2.59	2.59	2.59	2.59
29.11.84	2.45	2.45	2.45	2.45	2.45	2.45	2.45
19.12.84	2.44	2.44	2.44	2.44	2.44	2.44	2.44
12.01.85	2.42	2.42	2.42	2.42	2.42	2.42	2.42
11.02.85	2.39	2.39	2.39	2.39	2.39	2.39	2.39
18.03.85	2.36	2.36	2.36	2.36	2.36	2.36	2.36
30.04.85	2.33	2.33	2.33	2.33	2.33	2.33	2.33
05.06.85	2.29	2.29	2.29	2.29	2.29	2.29	2.29
20.07.85	2.25	2.25	2.25	2.25	2.25	2.25	2.25
11.09.85	2.20	2.20	2.20	2.20	2.20	2.20	2.20
13.11.85	2.14	2.14	2.14	2.14	2.14	2.14	2.14
29.01.86	2.06	2.06	2.06	2.06	2.06	2.06	2.06
26.02.86	2.04	2.04	2.04	2.04	2.04	2.04	2.04
01.04.86	2.01	2.01	2.01	2.01	2.01	2.01	2.01
13.05.86	1.98	1.98	1.98	1.98	1.98	1.98	1.98
01.07.86	1.94	1.94	1.94	1.94	1.94	1.94	1.94
30.08.86	1.90	1.90	1.90	1.90	1.90	1.90	1.90
19.09.86	1.88	1.88	1.88	1.88	1.88	1.88	1.88
13.10.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86
12.11.86	1.83	1.83	1.83	1.83	1.83	1.83	1.83
17.12.86	1.80	1.80	1.80	1.80	1.80	1.80	1.80
29.01.87	1.76	1.76	1.76	1.76	1.76	1.76	1.76
22.02.87	1.75	1.75	1.75	1.75	1.75	1.75	1.75
23.03.87	1.73	1.73	1.73	1.73	1.73	1.73	1.73
28.04.87	1.71	1.71	1.71	1.71	1.71	1.71	1.71
09.06.87	1.69	1.69	1.69	1.69	1.69	1.69	1.69
30.07.87	1.66	1.66	1.66	1.66	1.66	1.66	1.66
15.08.87	1.65	1.65	1.65	1.65	1.65	1.65	1.65
04.09.87	1.63	1.63	1.63	1.63	1.63	1.63	1.63
27.09.87	1.61	1.61	1.61	1.61	1.61	1.61	1.61
26.10.87	1.58	1.58	1.58	1.58	1.58	1.58	1.58
29.11.87	1.55	1.55	1.55	1.55	1.55	1.55	1.55
19.12.87	1.54	1.54	1.54	1.54	1.54	1.54	1.54
12.01.88	1.52	1.52	1.52	1.52	1.52	1.52	1.52
11.02.88	1.50	1.50	1.50	1.50	1.50	1.50	1.50
17.03.88	1.48	1.48	1.48	1.48	1.48	1.48	1.48
29.04.88	1.45	1.45	1.45	1.45	1.45	1.45	1.45
08.06.88	1.42	1.42	1.42	1.42	1.42	1.42	1.42
27.07.88	1.37	1.37	1.37	1.37	1.37	1.37	1.37
24.09.88	1.32	1.32	1.32	1.32	1.32	1.32	1.32
04.12.88	1.25	1.25	1.25	1.25	1.25	1.25	1.25
27.02.89	1.17	1.17	1.17	1.17	1.17	1.17	1.17
19.03.89	1.15	1.15	1.15	1.15	1.15	1.15	1.15
12.04.89	1.12	1.12	1.12	1.12	1.12	1.12	1.12
12.05.89	1.10	1.10	1.10	1.10	1.10	1.10	1.10
16.06.89	1.06	1.06	1.06	1.06	1.06	1.06	1.06
29.07.89	1.02	1.02	1.02	1.02	1.02	1.02	1.02
06.08.89	1.01	1.01	1.01	1.01	1.01	1.01	1.01
16.08.89	1.00	1.00	1.00	1.00	1.00	1.00	1.00
27.08.89	0.99	0.99	0.99	0.99	0.99	0.99	0.99

Well RE-4 Water Levels (mamsl)

Date	Non-Int.	DM30-2000	DM30-2008	DM50-2000	DM50-2008	Zero-2008	SM-2008
11.09.89	0.98	0.98	0.98	0.98	0.98	0.98	0.98
28.09.89	0.96	0.96	0.96	0.96	0.96	0.96	0.96
18.10.89	0.94	0.94	0.94	0.94	0.94	0.94	0.94
11.11.89	0.92	0.92	0.92	0.92	0.92	0.92	0.92
11.12.89	0.91	0.91	0.91	0.91	0.91	0.91	0.91
15.01.90	0.88	0.88	0.88	0.88	0.88	0.88	0.88
27.02.90	0.86	0.86	0.86	0.86	0.86	0.86	0.86
08.04.90	0.82	0.82	0.82	0.82	0.82	0.82	0.82
27.05.90	0.78	0.78	0.78	0.78	0.78	0.78	0.78
25.07.90	0.72	0.72	0.72	0.72	0.72	0.72	0.72
04.10.90	0.65	0.65	0.65	0.65	0.65	0.65	0.65
28.12.90	0.57	0.57	0.57	0.57	0.57	0.57	0.57
09.01.91	0.56	0.56	0.56	0.56	0.56	0.56	0.56
23.01.91	0.55	0.55	0.55	0.55	0.55	0.55	0.55
10.02.91	0.53	0.53	0.53	0.53	0.53	0.53	0.53
03.03.91	0.51	0.51	0.51	0.51	0.51	0.51	0.51
28.03.91	0.49	0.49	0.49	0.49	0.49	0.49	0.49
26.04.91	0.46	0.46	0.46	0.46	0.46	0.46	0.46
30.05.91	0.43	0.43	0.43	0.43	0.43	0.43	0.43
11.07.91	0.39	0.39	0.39	0.39	0.39	0.39	0.39
29.08.91	0.34	0.34	0.34	0.34	0.34	0.34	0.34
28.10.91	0.28	0.28	0.28	0.28	0.28	0.28	0.28
21.11.91	0.26	0.26	0.26	0.26	0.26	0.26	0.26
20.12.91	0.24	0.24	0.24	0.24	0.24	0.24	0.24
25.01.92	0.21	0.21	0.21	0.21	0.21	0.21	0.21
07.03.92	0.18	0.18	0.18	0.18	0.18	0.18	0.18
27.04.92	0.14	0.14	0.14	0.14	0.14	0.14	0.14
29.05.92	0.11	0.11	0.11	0.11	0.11	0.11	0.11
07.07.92	0.08	0.08	0.08	0.08	0.08	0.08	0.08
23.08.92	0.03	0.03	0.03	0.03	0.03	0.03	0.03
19.10.92	0.02	0.02	0.02	0.02	0.02	0.02	0.02
26.12.92	0.08	0.08	0.08	0.08	0.08	0.08	0.08
23.01.93	-0.11	-0.11	-0.11	-0.11	-0.11	-0.11	-0.11
26.02.93	-0.15	-0.15	-0.15	-0.15	-0.15	-0.15	-0.15
09.04.93	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21
28.05.93	-0.27	-0.27	-0.27	-0.27	-0.27	-0.27	-0.27
27.07.93	-0.36	-0.36	-0.36	-0.36	-0.36	-0.36	-0.36
12.08.93	-0.39	-0.39	-0.39	-0.39	-0.39	-0.39	-0.39
01.09.93	-0.42	-0.42	-0.42	-0.42	-0.42	-0.42	-0.42
24.09.93	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46
23.10.93	-0.51	-0.51	-0.51	-0.51	-0.51	-0.51	-0.51
26.11.93	-0.58	-0.58	-0.58	-0.58	-0.58	-0.58	-0.58
20.12.93	-0.62	-0.62	-0.62	-0.62	-0.62	-0.62	-0.62
18.01.94	-0.67	-0.67	-0.67	-0.67	-0.67	-0.67	-0.67
23.02.94	-0.73	-0.73	-0.73	-0.73	-0.73	-0.73	-0.73
06.04.94	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81
27.05.94	-0.90	-0.90	-0.90	-0.90	-0.90	-0.90	-0.90
04.08.94	-1.04	-1.04	-1.04	-1.04	-1.04	-1.04	-1.04
26.10.94	-1.22	-1.22	-1.22	-1.22	-1.22	-1.22	-1.22
03.02.95	-1.43	-1.43	-1.43	-1.43	-1.43	-1.43	-1.43
03.06.95	-1.68	-1.68	-1.68	-1.68	-1.68	-1.68	-1.68
26.10.95	-1.98	-1.98	-1.98	-1.98	-1.98	-1.98	-1.98
19.11.95	-2.03	-2.03	-2.03	-2.03	-2.03	-2.03	-2.03
18.12.95	-2.07	-2.07	-2.07	-2.07	-2.07	-2.07	-2.07

Well RE-4 Water Levels (mamsl)

Date	Non-Int.	DM30-2000	DM30-2008	DM50-2000	DM50-2008	Zero-2008	SM-2008
23.01.96	-2.13	-2.13	-2.13	-2.13	-2.13	-2.13	-2.13
05.03.96	-2.19	-2.19	-2.19	-2.19	-2.19	-2.19	-2.19
25.04.96	-2.26	-2.26	-2.26	-2.26	-2.26	-2.26	-2.26
31.05.96	-2.31	-2.31	-2.31	-2.31	-2.31	-2.31	-2.31
15.07.96	-2.38	-2.38	-2.38	-2.38	-2.38	-2.38	-2.38
06.09.96	-2.46	-2.46	-2.46	-2.46	-2.46	-2.46	-2.46
08.11.96	-2.56	-2.56	-2.56	-2.56	-2.56	-2.56	-2.56
24.01.97	-2.67	-2.67	-2.67	-2.67	-2.67	-2.67	-2.67
21.02.97	-2.71	-2.71	-2.71	-2.71	-2.71	-2.71	-2.71
27.03.97	-2.75	-2.75	-2.75	-2.75	-2.75	-2.75	-2.75
08.05.97	-2.81	-2.81	-2.81	-2.81	-2.81	-2.81	-2.81
26.06.97	-2.87	-2.87	-2.87	-2.87	-2.87	-2.87	-2.87
25.08.97	-2.94	-2.94	-2.94	-2.94	-2.94	-2.94	-2.94
10.09.97	-2.97	-2.97	-2.97	-2.97	-2.97	-2.97	-2.97
30.09.97	-2.99	-2.99	-2.99	-2.99	-2.99	-2.99	-2.99
23.10.97	-3.03	-3.03	-3.03	-3.03	-3.03	-3.03	-3.03
21.11.97	-3.06	-3.06	-3.06	-3.06	-3.06	-3.06	-3.06
25.12.97	-3.11	-3.11	-3.11	-3.11	-3.11	-3.11	-3.11
14.01.98	-3.13	-3.13	-3.13	-3.13	-3.13	-3.13	-3.13
07.02.98	-3.16	-3.16	-3.16	-3.16	-3.16	-3.16	-3.16
09.03.98	-3.18	-3.18	-3.18	-3.18	-3.18	-3.18	-3.18
13.04.98	-3.22	-3.22	-3.22	-3.22	-3.22	-3.22	-3.22
26.05.98	-3.25	-3.25	-3.25	-3.25	-3.25	-3.25	-3.25
15.06.98	-3.28	-3.28	-3.28	-3.28	-3.28	-3.28	-3.28
09.07.98	-3.31	-3.31	-3.31	-3.31	-3.31	-3.31	-3.31
08.08.98	-3.34	-3.34	-3.34	-3.34	-3.34	-3.34	-3.34
12.09.98	-3.38	-3.38	-3.38	-3.38	-3.38	-3.38	-3.38
25.10.98	-3.43	-3.43	-3.43	-3.43	-3.43	-3.43	-3.43
22.11.98	-3.46	-3.46	-3.46	-3.46	-3.46	-3.46	-3.46
26.12.98	-3.49	-3.49	-3.49	-3.49	-3.49	-3.49	-3.49
06.02.99	-3.53	-3.53	-3.53	-3.53	-3.53	-3.53	-3.53
27.03.99	-3.57	-3.57	-3.57	-3.57	-3.57	-3.57	-3.57
26.05.99	-3.62	-3.62	-3.62	-3.62	-3.62	-3.62	-3.62
11.08.99	-3.70	-3.67	-3.70	-3.65	-3.70	-3.70	-3.70
12.11.99	-3.79	-3.72	-3.79	-3.67	-3.79	-3.79	-3.79
03.03.00	-3.89	-3.76	-3.89	-3.68	-3.89	-3.89	-3.89
15.07.00	-4.01	-3.81	-4.01	-3.69	-4.01	-4.01	-4.01
24.12.00	-4.15	-3.86	-4.15	-3.68	-4.15	-4.15	-4.15
13.01.01	-4.16	-3.87	-4.16	-3.68	-4.16	-4.16	-4.16
06.02.01	-4.18	-3.88	-4.18	-3.68	-4.18	-4.18	-4.18
08.03.01	-4.21	-3.89	-4.21	-3.68	-4.21	-4.21	-4.21
12.04.01	-4.23	-3.90	-4.23	-3.68	-4.23	-4.23	-4.23
25.05.01	-4.27	-3.91	-4.27	-3.67	-4.27	-4.27	-4.27
30.06.01	-4.29	-3.92	-4.29	-3.67	-4.29	-4.29	-4.29
14.08.01	-4.33	-3.93	-4.33	-3.67	-4.33	-4.33	-4.33
06.10.01	-4.37	-3.95	-4.37	-3.67	-4.37	-4.37	-4.37
08.12.01	-4.41	-3.96	-4.41	-3.66	-4.41	-4.41	-4.41
23.02.02	-4.47	-3.98	-4.47	-3.66	-4.47	-4.47	-4.47
23.03.02	-4.49	-3.99	-4.49	-3.65	-4.49	-4.49	-4.49
26.04.02	-4.51	-3.99	-4.51	-3.65	-4.51	-4.51	-4.51
07.06.02	-4.53	-4.00	-4.53	-3.64	-4.53	-4.53	-4.53
26.07.02	-4.55	-4.00	-4.55	-3.63	-4.55	-4.55	-4.55
24.09.02	-4.58	-4.00	-4.58	-3.61	-4.58	-4.58	-4.58
14.10.02	-4.59	-4.01	-4.59	-3.61	-4.59	-4.59	-4.59

Well RE-4 Water Levels (mamsl)

Date	Non-Int.	DM30-2000	DM30-2008	DM50-2000	DM50-2008	Zero-2008	SM-2008
07.11.02	-4.61	-4.01	-4.61	-3.61	-4.61	-4.61	-4.61
07.12.02	-4.62	-4.02	-4.62	-3.60	-4.62	-4.62	-4.62
11.01.03	-4.65	-4.02	-4.65	-3.60	-4.65	-4.65	-4.65
23.02.03	-4.67	-4.03	-4.67	-3.59	-4.67	-4.67	-4.67
19.03.03	-4.68	-4.03	-4.68	-3.59	-4.68	-4.68	-4.68
17.04.03	-4.69	-4.03	-4.69	-3.58	-4.69	-4.69	-4.69
23.05.03	-4.70	-4.03	-4.70	-3.56	-4.70	-4.70	-4.70
04.07.03	-4.71	-4.02	-4.71	-3.54	-4.71	-4.71	-4.71
24.08.03	-4.72	-4.02	-4.72	-3.52	-4.72	-4.72	-4.72
09.09.03	-4.73	-4.02	-4.73	-3.52	-4.73	-4.73	-4.73
29.09.03	-4.74	-4.02	-4.74	-3.51	-4.74	-4.74	-4.74
22.10.03	-4.75	-4.02	-4.75	-3.51	-4.75	-4.75	-4.75
20.11.03	-4.76	-4.03	-4.76	-3.50	-4.76	-4.76	-4.76
24.12.03	-4.78	-4.03	-4.78	-3.50	-4.78	-4.78	-4.78
13.01.04	-4.79	-4.03	-4.79	-3.49	-4.79	-4.79	-4.79
06.02.04	-4.79	-4.03	-4.79	-3.48	-4.79	-4.79	-4.79
07.03.04	-4.80	-4.02	-4.80	-3.47	-4.80	-4.80	-4.80
11.04.04	-4.80	-4.01	-4.80	-3.45	-4.80	-4.80	-4.80
24.05.04	-4.81	-4.00	-4.81	-3.43	-4.81	-4.81	-4.81
03.07.04	-4.82	-4.01	-4.82	-3.42	-4.82	-4.82	-4.82
21.08.04	-4.84	-4.01	-4.84	-3.41	-4.84	-4.84	-4.84
19.10.04	-4.87	-4.02	-4.87	-3.40	-4.87	-4.87	-4.87
29.12.04	-4.90	-4.03	-4.90	-3.39	-4.90	-4.90	-4.90
24.03.05	-4.93	-4.04	-4.93	-3.37	-4.93	-4.93	-4.93
13.04.05	-4.94	-4.04	-4.94	-3.37	-4.94	-4.94	-4.94
07.05.05	-4.95	-4.04	-4.95	-3.37	-4.95	-4.95	-4.95
06.06.05	-4.96	-4.04	-4.96	-3.36	-4.96	-4.96	-4.96
11.07.05	-4.97	-4.04	-4.97	-3.35	-4.97	-4.97	-4.97
23.08.05	-4.98	-4.04	-4.98	-3.34	-4.98	-4.98	-4.98
31.08.05	-4.98	-4.05	-4.98	-3.34	-4.98	-4.98	-4.98
10.09.05	-4.99	-4.05	-4.99	-3.34	-4.99	-4.99	-4.99
21.09.05	-4.99	-4.05	-4.99	-3.34	-4.99	-4.99	-4.99
06.10.05	-5.00	-4.05	-5.00	-3.33	-5.00	-5.00	-5.00
23.10.05	-5.00	-4.05	-5.00	-3.33	-5.00	-5.00	-5.00
12.11.05	-5.01	-4.05	-5.01	-3.32	-5.01	-5.01	-5.01
06.12.05	-5.00	-4.04	-5.00	-3.31	-5.00	-5.00	-5.00
05.01.06	-5.00	-4.03	-5.00	-3.29	-5.00	-5.00	-5.00
09.02.06	-5.00	-4.01	-5.00	-3.26	-5.00	-5.00	-5.00
24.03.06	-4.99	-3.99	-4.99	-3.24	-4.99	-4.99	-4.99
03.05.06	-5.00	-3.99	-5.00	-3.22	-5.00	-5.00	-5.00
21.06.06	-5.01	-3.99	-5.01	-3.21	-5.01	-5.01	-5.01
19.08.06	-5.02	-4.00	-5.02	-3.20	-5.02	-5.02	-5.02
29.10.06	-5.04	-4.00	-5.04	-3.18	-5.04	-5.04	-5.04
22.01.07	-5.06	-4.00	-5.06	-3.16	-5.06	-5.06	-5.06
03.02.07	-5.06	-4.00	-5.06	-3.16	-5.06	-5.06	-5.06
17.02.07	-5.07	-4.00	-5.07	-3.16	-5.07	-5.07	-5.07
07.03.07	-5.07	-4.00	-5.07	-3.15	-5.07	-5.07	-5.07
28.03.07	-5.07	-4.00	-5.07	-3.15	-5.07	-5.07	-5.07
23.04.07	-5.08	-4.00	-5.08	-3.14	-5.08	-5.08	-5.08
21.05.07	-5.08	-4.00	-5.08	-3.14	-5.08	-5.08	-5.08
24.06.07	-5.09	-4.01	-5.09	-3.13	-5.09	-5.09	-5.09
05.08.07	-5.10	-4.01	-5.10	-3.12	-5.10	-5.10	-5.10
23.09.07	-5.11	-4.01	-5.11	-3.11	-5.11	-5.11	-5.11
22.11.07	-5.12	-4.01	-5.12	-3.10	-5.12	-5.12	-5.12

Well RE-4 Water Levels (mamsl)

Date	Non-Int.	DM30-2000	DM30-2008	DM50-2000	DM50-2008	Zero-2008	SM-2008
16.12.07	-5.12	-4.01	-5.12	-3.09	-5.11	-5.12	-5.12
14.01.08	-5.12	-4.01	-5.11	-3.08	-5.10	-5.12	-5.11
19.02.08	-5.13	-4.00	-5.10	-3.07	-5.08	-5.13	-5.10
01.04.08	-5.13	-4.00	-5.08	-3.05	-5.05	-5.13	-5.08
22.05.08	-5.12	-3.99	-5.05	-3.03	-5.00	-5.12	-5.05
23.06.08	-5.13	-3.99	-5.04	-3.02	-4.98	-5.13	-5.02
01.08.08	-5.13	-3.99	-5.03	-3.01	-4.95	-5.13	-4.96
17.09.08	-5.14	-3.99	-5.01	-3.00	-4.92	-5.14	-4.88
13.11.08	-5.14	-3.99	-4.99	-2.99	-4.88	-5.14	-4.78
20.01.09	-5.15	-3.99	-4.96	-2.97	-4.84	-5.15	-4.66
17.02.09	-5.15	-3.98	-4.95	-2.96	-4.81	-5.15	-4.60
23.03.09	-5.14	-3.98	-4.93	-2.95	-4.78	-5.14	-4.53
04.05.09	-5.14	-3.97	-4.91	-2.93	-4.75	-5.14	-4.44
22.06.09	-5.13	-3.96	-4.88	-2.90	-4.70	-5.13	-4.34
21.08.09	-5.12	-3.94	-4.84	-2.87	-4.65	-5.12	-4.21
06.09.09	-5.12	-3.94	-4.83	-2.87	-4.63	-5.11	-4.18
26.09.09	-5.12	-3.94	-4.82	-2.86	-4.62	-5.09	-4.15
19.10.09	-5.12	-3.94	-4.81	-2.86	-4.60	-5.06	-4.10
17.11.09	-5.12	-3.93	-4.80	-2.85	-4.58	-5.03	-4.05
21.12.09	-5.12	-3.93	-4.79	-2.84	-4.56	-4.98	-3.99
14.01.10	-5.12	-3.93	-4.78	-2.83	-4.54	-4.94	-3.94
12.02.10	-5.11	-3.92	-4.76	-2.82	-4.52	-4.89	-3.88
20.03.10	-5.11	-3.92	-4.74	-2.80	-4.49	-4.82	-3.81
01.05.10	-5.10	-3.91	-4.72	-2.78	-4.45	-4.75	-3.73
21.06.10	-5.09	-3.90	-4.69	-2.76	-4.41	-4.66	-3.63
29.08.10	-5.09	-3.89	-4.66	-2.74	-4.36	-4.55	-3.51
20.11.10	-5.08	-3.89	-4.63	-2.72	-4.31	-4.42	-3.37
28.02.11	-5.08	-3.88	-4.60	-2.70	-4.25	-4.26	-3.21
28.06.11	-5.08	-3.88	-4.56	-2.67	-4.18	-4.09	-3.01
20.11.11	-5.07	-3.88	-4.51	-2.64	-4.10	-3.88	-2.78
14.12.11	-5.07	-3.88	-4.50	-2.63	-4.08	-3.84	-2.74
12.01.12	-5.06	-3.87	-4.49	-2.62	-4.06	-3.79	-2.69
17.02.12	-5.06	-3.87	-4.47	-2.61	-4.03	-3.74	-2.63
30.03.12	-5.05	-3.86	-4.46	-2.59	-4.00	-3.67	-2.56
20.05.12	-5.04	-3.85	-4.43	-2.57	-3.97	-3.60	-2.48
25.06.12	-5.04	-3.85	-4.42	-2.56	-3.94	-3.54	-2.42
09.08.12	-5.03	-3.85	-4.40	-2.55	-3.92	-3.48	-2.35
01.10.12	-5.03	-3.84	-4.39	-2.54	-3.89	-3.41	-2.27
03.12.12	-5.02	-3.84	-4.37	-2.52	-3.85	-3.32	-2.18
18.02.13	-5.02	-3.84	-4.34	-2.51	-3.81	-3.22	-2.06
18.03.13	-5.01	-3.84	-4.33	-2.50	-3.79	-3.18	-2.02
21.04.13	-5.01	-3.83	-4.32	-2.48	-3.77	-3.13	-1.96
02.06.13	-5.00	-3.82	-4.30	-2.47	-3.74	-3.07	-1.90
21.07.13	-4.99	-3.81	-4.27	-2.45	-3.70	-3.00	-1.82
19.09.13	-4.97	-3.80	-4.25	-2.43	-3.66	-2.91	-1.72
05.10.13	-4.97	-3.80	-4.24	-2.42	-3.65	-2.89	-1.70
25.10.13	-4.97	-3.80	-4.23	-2.42	-3.64	-2.86	-1.67
17.11.13	-4.97	-3.80	-4.23	-2.41	-3.63	-2.83	-1.63
16.12.13	-4.96	-3.80	-4.22	-2.40	-3.61	-2.79	-1.59
19.01.14	-4.96	-3.80	-4.21	-2.40	-3.59	-2.75	-1.54
08.02.14	-4.95	-3.79	-4.19	-2.39	-3.58	-2.72	-1.51
04.03.14	-4.94	-3.78	-4.18	-2.37	-3.56	-2.68	-1.47
03.04.14	-4.93	-3.77	-4.16	-2.36	-3.53	-2.63	-1.42
08.05.14	-4.91	-3.75	-4.13	-2.33	-3.50	-2.57	-1.35

Well RE-4 Water Levels (mamsl)

Date	Non-Int.	DM30-2000	DM30-2008	DM50-2000	DM50-2008	Zero-2008	SM-2008
20.06.14	-4.89	-3.73	-4.10	-2.31	-3.46	-2.50	-1.28
10.07.14	-4.89	-3.73	-4.09	-2.30	-3.44	-2.47	-1.24
03.08.14	-4.88	-3.73	-4.08	-2.29	-3.43	-2.44	-1.21
02.09.14	-4.88	-3.72	-4.07	-2.28	-3.41	-2.40	-1.17
07.10.14	-4.87	-3.72	-4.06	-2.27	-3.39	-2.36	-1.12
19.11.14	-4.87	-3.72	-4.05	-2.26	-3.37	-2.30	-1.06
17.12.14	-4.86	-3.71	-4.03	-2.25	-3.35	-2.26	-1.01
20.01.15	-4.84	-3.70	-4.02	-2.23	-3.32	-2.21	-0.96
03.03.15	-4.83	-3.69	-3.99	-2.21	-3.29	-2.15	-0.89
21.04.15	-4.81	-3.67	-3.96	-2.19	-3.25	-2.08	-0.81
20.06.15	-4.78	-3.65	-3.93	-2.16	-3.20	-1.99	-0.72
05.09.15	-4.77	-3.64	-3.90	-2.14	-3.16	-1.90	-0.61
07.12.15	-4.75	-3.64	-3.87	-2.12	-3.11	-1.79	-0.49
28.03.16	-4.74	-3.63	-3.84	-2.09	-3.06	-1.66	-0.34
09.08.16	-4.72	-3.63	-3.81	-2.06	-2.99	-1.51	-0.18
18.01.17	-4.69	-3.62	-3.76	-2.03	-2.92	-1.34	0.02
07.02.17	-4.69	-3.62	-3.76	-2.03	-2.91	-1.32	0.04
03.03.17	-4.69	-3.62	-3.75	-2.02	-2.89	-1.29	0.07
02.04.17	-4.68	-3.62	-3.74	-2.02	-2.88	-1.26	0.11
07.05.17	-4.67	-3.62	-3.73	-2.01	-2.86	-1.22	0.15
19.06.17	-4.67	-3.61	-3.72	-2.00	-2.84	-1.17	0.20
25.07.17	-4.66	-3.61	-3.71	-1.99	-2.83	-1.14	0.25
08.09.17	-4.66	-3.61	-3.70	-1.98	-2.81	-1.09	0.30
31.10.17	-4.65	-3.61	-3.69	-1.97	-2.78	-1.04	0.36
02.01.18	-4.64	-3.61	-3.67	-1.96	-2.76	-0.97	0.43
20.03.18	-4.63	-3.61	-3.65	-1.95	-2.72	-0.90	0.52
17.04.18	-4.62	-3.60	-3.64	-1.94	-2.71	-0.86	0.55
21.05.18	-4.61	-3.60	-3.63	-1.93	-2.69	-0.83	0.60
02.07.18	-4.60	-3.59	-3.61	-1.91	-2.66	-0.78	0.65
20.08.18	-4.58	-3.58	-3.59	-1.90	-2.63	-0.72	0.71
19.10.18	-4.57	-3.57	-3.57	-1.88	-2.60	-0.65	0.79
08.11.18	-4.56	-3.57	-3.56	-1.87	-2.59	-0.63	0.81
02.12.18	-4.56	-3.56	-3.56	-1.87	-2.58	-0.61	0.84
01.01.19	-4.55	-3.56	-3.55	-1.86	-2.57	-0.58	0.87
05.02.19	-4.55	-3.56	-3.54	-1.85	-2.55	-0.55	0.91
20.03.19	-4.54	-3.56	-3.53	-1.84	-2.53	-0.51	0.96
13.04.19	-4.53	-3.55	-3.52	-1.83	-2.52	-0.48	0.99
12.05.19	-4.52	-3.55	-3.50	-1.82	-2.50	-0.44	1.03
17.06.19	-4.50	-3.53	-3.49	-1.80	-2.47	-0.40	1.08
29.07.19	-4.48	-3.52	-3.46	-1.78	-2.44	-0.34	1.14
18.09.19	-4.46	-3.50	-3.43	-1.76	-2.40	-0.28	1.21
04.10.19	-4.45	-3.50	-3.43	-1.75	-2.39	-0.26	1.23
24.10.19	-4.45	-3.50	-3.42	-1.75	-2.38	-0.24	1.25
16.11.19	-4.44	-3.49	-3.41	-1.74	-2.37	-0.22	1.27
15.12.19	-4.44	-3.49	-3.41	-1.74	-2.36	-0.19	1.30
17.01.20	-4.43	-3.49	-3.40	-1.73	-2.35	-0.16	1.34
07.02.20	-4.42	-3.48	-3.39	-1.72	-2.33	-0.14	1.37
02.03.20	-4.41	-3.48	-3.37	-1.71	-2.31	-0.11	1.40
01.04.20	-4.39	-3.46	-3.36	-1.69	-2.29	0.07	1.44
06.05.20	-4.37	-3.45	-3.34	-1.67	-2.27	0.03	1.49
17.06.20	-4.35	-3.43	-3.31	-1.65	-2.23	0.03	1.55
28.07.20	-4.34	-3.43	-3.30	-1.64	-2.21	0.07	1.59
15.09.20	-4.33	-3.42	-3.28	-1.63	-2.19	0.11	1.65
13.11.20	-4.32	-3.42	-3.27	-1.61	-2.17	0.17	1.71

Well RE-4 Water Levels (mamsl)

Date	Non-Int.	DM30-2000	DM30-2008	DM50-2000	DM50-2008	Zero-2008	SM-2008
23.01.21	-4.30	-3.42	-3.25	-1.60	-2.14	0.23	1.78
17.04.21	-4.29	-3.41	-3.23	-1.59	-2.10	0.30	1.86
08.05.21	-4.28	-3.41	-3.23	-1.58	-2.09	0.32	1.88
01.06.21	-4.27	-3.41	-3.22	-1.58	-2.08	0.34	1.91
01.07.21	-4.27	-3.41	-3.21	-1.57	-2.07	0.37	1.94
05.08.21	-4.26	-3.40	-3.20	-1.56	-2.06	0.40	1.97
16.09.21	-4.25	-3.40	-3.19	-1.55	-2.04	0.44	2.02
25.09.21	-4.25	-3.40	-3.19	-1.55	-2.03	0.44	2.02
05.10.21	-4.24	-3.40	-3.19	-1.55	-2.03	0.45	2.03
16.10.21	-4.24	-3.40	-3.18	-1.55	-2.03	0.46	2.04
31.10.21	-4.24	-3.40	-3.18	-1.54	-2.02	0.47	2.06
16.11.21	-4.24	-3.40	-3.18	-1.54	-2.01	0.49	2.07
07.12.21	-4.22	-3.39	-3.17	-1.53	-2.00	0.51	2.10
31.12.21	-4.21	-3.38	-3.15	-1.52	-1.98	0.54	2.13
30.01.22	-4.19	-3.36	-3.13	-1.50	-1.95	0.58	2.18
06.03.22	-4.17	-3.34	-3.10	-1.47	-1.92	0.63	2.23
17.04.22	-4.13	-3.32	-3.07	-1.44	-1.89	0.68	2.29
28.05.22	-4.12	-3.31	-3.06	-1.43	-1.86	0.72	2.33
16.07.22	-4.11	-3.31	-3.04	-1.42	-1.84	0.76	2.38
13.09.22	-4.09	-3.30	-3.03	-1.41	-1.82	0.81	2.44
23.11.22	-4.07	-3.30	-3.01	-1.39	-1.79	0.87	2.50
15.02.23	-4.06	-3.30	-3.00	-1.38	-1.76	0.94	2.58
28.02.23	-4.05	-3.30	-2.99	-1.38	-1.76	0.95	2.59
14.03.23	-4.05	-3.29	-2.99	-1.37	-1.75	0.96	2.60
01.04.23	-4.04	-3.29	-2.98	-1.37	-1.74	0.97	2.62
22.04.23	-4.04	-3.29	-2.98	-1.37	-1.73	0.99	2.64
17.05.23	-4.03	-3.29	-2.97	-1.36	-1.72	1.01	2.66
15.06.23	-4.03	-3.29	-2.97	-1.36	-1.71	1.03	2.69
19.07.23	-4.02	-3.29	-2.96	-1.35	-1.70	1.06	2.72
30.08.23	-4.01	-3.29	-2.95	-1.34	-1.69	1.09	2.75
18.10.23	-4.00	-3.28	-2.94	-1.34	-1.67	1.12	2.79
16.12.23	-3.99	-3.28	-2.93	-1.33	-1.65	1.17	2.84
10.01.24	-3.98	-3.28	-2.92	-1.32	-1.64	1.19	2.87
08.02.24	-3.97	-3.27	-2.91	-1.31	-1.63	1.21	2.90
15.03.24	-3.95	-3.27	-2.90	-1.30	-1.61	1.25	2.93
26.04.24	-3.94	-3.26	-2.89	-1.29	-1.59	1.28	2.97
15.06.24	-3.92	-3.25	-2.87	-1.27	-1.56	1.33	3.02
18.07.24	-3.91	-3.25	-2.86	-1.27	-1.55	1.35	3.05
26.08.24	-3.90	-3.24	-2.85	-1.26	-1.53	1.38	3.08
12.10.24	-3.89	-3.24	-2.84	-1.25	-1.52	1.41	3.12
08.12.24	-3.88	-3.24	-2.83	-1.24	-1.50	1.45	3.17
13.02.25	-3.86	-3.24	-2.82	-1.23	-1.48	1.50	3.22
14.03.25	-3.85	-3.23	-2.81	-1.22	-1.46	1.52	3.25
17.04.25	-3.84	-3.23	-2.80	-1.21	-1.45	1.56	3.28
29.05.25	-3.82	-3.22	-2.78	-1.20	-1.42	1.59	3.33
17.07.25	-3.79	-3.20	-2.76	-1.18	-1.40	1.64	3.38
14.09.25	-3.77	-3.19	-2.73	-1.15	-1.36	1.69	3.44
01.10.25	-3.76	-3.18	-2.73	-1.15	-1.35	1.71	3.45
21.10.25	-3.76	-3.18	-2.72	-1.15	-1.35	1.72	3.47
13.11.25	-3.75	-3.18	-2.72	-1.14	-1.34	1.74	3.49
12.12.25	-3.74	-3.18	-2.71	-1.14	-1.33	1.76	3.51
14.01.26	-3.74	-3.18	-2.70	-1.13	-1.32	1.78	3.53
08.02.26	-3.73	-3.17	-2.70	-1.13	-1.31	1.80	3.56
09.03.26	-3.71	-3.17	-2.69	-1.12	-1.29	1.82	3.58

Well RE-4 Water Levels (mamsl)

Date	Non-Int.	DM30-2000	DM30-2008	DM50-2000	DM50-2008	Zero-2008	SM-2008
14.04.26	-3.70	-3.16	-2.67	-1.10	-1.27	1.85	3.62
26.05.26	-3.68	-3.15	-2.66	-1.09	-1.25	1.89	3.66
15.07.26	-3.66	-3.14	-2.64	-1.07	-1.23	1.93	3.71
23.09.26	-3.64	-3.13	-2.62	-1.06	-1.20	1.98	3.76
15.12.26	-3.62	-3.13	-2.61	-1.05	-1.18	2.03	3.82
25.03.27	-3.60	-3.13	-2.59	-1.03	-1.15	2.09	3.89
23.07.27	-3.57	-3.13	-2.57	-1.02	-1.12	2.17	3.97
14.12.27	-3.54	-3.13	-2.55	-1.01	-1.08	2.25	4.07
08.01.28	-3.54	-3.12	-2.55	-1.00	-1.07	2.27	4.09
06.02.28	-3.53	-3.12	-2.54	-0.99	-1.06	2.29	4.11
13.03.28	-3.51	-3.12	-2.53	-0.98	-1.04	2.31	4.14
24.04.28	-3.50	-3.11	-2.52	-0.97	-1.03	2.34	4.17
13.06.28	-3.48	-3.10	-2.50	-0.96	-1.01	2.38	4.21
20.07.28	-3.47	-3.10	-2.49	-0.96	-0.99	2.40	4.24
03.09.28	-3.46	-3.10	-2.49	-0.95	-0.98	2.42	4.27
26.10.28	-3.45	-3.10	-2.48	-0.94	-0.97	2.45	4.30
28.12.28	-3.44	-3.10	-2.47	-0.94	-0.95	2.49	4.34
14.03.29	-3.42	-3.10	-2.46	-0.93	-0.93	2.53	4.39
12.04.29	-3.42	-3.09	-2.45	-0.92	-0.92	2.55	4.41
16.05.29	-3.40	-3.09	-2.44	-0.92	-0.91	2.57	4.44
27.06.29	-3.39	-3.08	-2.43	-0.91	-0.89	2.60	4.47
15.08.29	-3.37	-3.08	-2.42	-0.89	-0.87	2.63	4.51
13.10.29	-3.35	-3.07	-2.40	-0.88	-0.85	2.68	4.55
30.10.29	-3.35	-3.06	-2.40	-0.87	-0.84	2.68	4.56
19.11.29	-3.34	-3.06	-2.39	-0.87	-0.84	2.70	4.58
12.12.29	-3.34	-3.06	-2.39	-0.87	-0.83	2.71	4.59
10.01.30	-3.33	-3.06	-2.39	-0.86	-0.82	2.72	4.61
13.02.30	-3.32	-3.06	-2.38	-0.86	-0.82	2.74	4.63
05.03.30	-3.31	-3.06	-2.37	-0.85	-0.81	2.76	4.65
29.03.30	-3.30	-3.05	-2.36	-0.84	-0.79	2.78	4.67
28.04.30	-3.28	-3.04	-2.35	-0.83	-0.77	2.81	4.70
02.06.30	-3.26	-3.02	-2.33	-0.81	-0.75	2.84	4.73
15.07.30	-3.23	-3.00	-2.30	-0.79	-0.72	2.88	4.78
04.08.30	-3.23	-3.00	-2.30	-0.78	-0.71	2.89	4.79
28.08.30	-3.22	-3.00	-2.29	-0.78	-0.71	2.91	4.81
27.09.30	-3.21	-3.00	-2.29	-0.77	-0.70	2.92	4.83
01.11.30	-3.20	-3.00	-2.28	-0.77	-0.69	2.94	4.85
14.12.30	-3.19	-2.99	-2.27	-0.76	-0.68	2.96	4.87
11.01.31	-3.18	-2.99	-2.26	-0.75	-0.66	2.98	4.90
14.02.31	-3.17	-2.98	-2.25	-0.74	-0.65	3.01	4.92
28.03.31	-3.15	-2.97	-2.23	-0.73	-0.63	3.04	4.96
16.05.31	-3.12	-2.95	-2.21	-0.71	-0.60	3.08	5.00
15.07.31	-3.09	-2.94	-2.19	-0.69	-0.57	3.12	5.05
30.09.31	-3.07	-2.93	-2.17	-0.67	-0.55	3.17	5.10
01.01.32	-3.05	-2.93	-2.16	-0.66	-0.53	3.21	5.15
22.04.32	-3.02	-2.93	-2.15	-0.65	-0.50	3.26	5.21
03.09.32	-3.00	-2.93	-2.13	-0.64	-0.47	3.32	5.28
12.02.33	-2.97	-2.93	-2.11	-0.63	-0.44	3.39	5.36
04.03.33	-2.96	-2.93	-2.11	-0.63	-0.44	3.40	5.37
28.03.33	-2.96	-2.93	-2.11	-0.63	-0.43	3.41	5.38
27.04.33	-2.95	-2.93	-2.11	-0.62	-0.42	3.43	5.40
01.06.33	-2.94	-2.93	-2.10	-0.62	-0.42	3.44	5.42
14.07.33	-2.93	-2.93	-2.09	-0.61	-0.41	3.46	5.44
19.08.33	-2.93	-2.93	-2.09	-0.61	-0.40	3.48	5.46

Well RE-4 Water Levels (mamsl)

Date	Non-Int.	DM30-2000	DM30-2008	DM50-2000	DM50-2008	Zero-2008	SM-2008
03.10.33	-2.92	-2.93	-2.09	-0.61	-0.39	3.49	5.48
25.11.33	-2.91	-2.93	-2.08	-0.61	-0.38	3.52	5.50
27.01.34	-2.90	-2.93	-2.08	-0.60	-0.37	3.54	5.53
14.04.34	-2.88	-2.93	-2.07	-0.60	-0.36	3.57	5.57
12.05.34	-2.87	-2.93	-2.06	-0.59	-0.35	3.59	5.58
15.06.34	-2.86	-2.92	-2.06	-0.58	-0.34	3.60	5.60
27.07.34	-2.85	-2.92	-2.05	-0.58	-0.32	3.63	5.63
14.09.34	-2.83	-2.91	-2.03	-0.57	-0.31	3.65	5.66
13.11.34	-2.81	-2.90	-2.02	-0.55	-0.29	3.69	5.70
03.12.34	-2.81	-2.90	-2.01	-0.55	-0.28	3.70	5.71
27.12.34	-2.80	-2.90	-2.01	-0.55	-0.28	3.71	5.72
26.01.35	-2.79	-2.90	-2.01	-0.54	-0.27	3.72	5.73
02.03.35	-2.79	-2.90	-2.00	-0.54	-0.26	3.73	5.75
14.04.35	-2.78	-2.90	-2.00	-0.54	-0.26	3.75	5.77
08.05.35	-2.77	-2.90	-1.99	-0.53	-0.25	3.76	5.78
06.06.35	-2.76	-2.89	-1.98	-0.52	-0.23	3.78	5.81
12.07.35	-2.74	-2.88	-1.97	-0.51	-0.22	3.81	5.83
23.08.35	-2.72	-2.87	-1.95	-0.49	-0.20	3.84	5.86
13.10.35	-2.69	-2.85	-1.93	-0.47	-0.17	3.87	5.90
29.10.35	-2.69	-2.85	-1.93	-0.47	-0.17	3.88	5.91
18.11.35	-2.68	-2.85	-1.92	-0.47	-0.16	3.89	5.92
11.12.35	-2.68	-2.84	-1.92	-0.46	-0.15	3.90	5.93
09.01.36	-2.67	-2.84	-1.91	-0.46	-0.15	3.91	5.95
12.02.36	-2.66	-2.84	-1.91	-0.46	-0.14	3.93	5.96
03.03.36	-2.65	-2.84	-1.90	-0.45	-0.13	3.94	5.98
27.03.36	-2.64	-2.83	-1.89	-0.44	-0.12	3.95	5.99
26.04.36	-2.63	-2.82	-1.88	-0.43	-0.11	3.98	6.02
31.05.36	-2.61	-2.81	-1.87	-0.41	0.09	4.00	6.05
13.07.36	-2.58	-2.79	-1.85	-0.40	-0.06	4.03	6.08
22.08.36	-2.57	-2.79	-1.84	-0.39	-0.05	4.05	6.10
10.10.36	-2.56	-2.79	-1.83	-0.38	0.04	4.07	6.12
08.12.36	-2.55	-2.79	-1.82	-0.38	0.03	4.09	6.15
17.02.37	-2.53	-2.79	-1.82	-0.37	0.02	4.12	6.18
13.05.37	-2.52	-2.79	-1.81	-0.37	0.00	4.15	6.21
02.06.37	-2.51	-2.79	-1.81	-0.36	0.00	4.16	6.22
26.06.37	-2.51	-2.78	-1.80	-0.36	0.01	4.17	6.23
26.07.37	-2.50	-2.78	-1.80	-0.36	0.01	4.18	6.25
30.08.37	-2.49	-2.78	-1.79	-0.35	0.02	4.19	6.26
12.10.37	-2.48	-2.78	-1.79	-0.35	0.03	4.21	6.28
20.10.37	-2.48	-2.78	-1.79	-0.35	0.03	4.21	6.28
30.10.37	-2.48	-2.78	-1.79	-0.35	0.03	4.21	6.29
10.11.37	-2.47	-2.78	-1.79	-0.35	0.03	4.22	6.29
25.11.37	-2.47	-2.78	-1.78	-0.35	0.04	4.22	6.30
12.12.37	-2.47	-2.78	-1.78	-0.35	0.04	4.23	6.30
01.01.38	-2.46	-2.77	-1.77	-0.34	0.05	4.24	6.32
25.01.38	-2.44	-2.76	-1.76	-0.33	0.06	4.26	6.34
24.02.38	-2.42	-2.75	-1.75	-0.31	0.08	4.29	6.36
31.03.38	-2.40	-2.73	-1.72	-0.29	0.10	4.31	6.40
13.05.38	-2.37	-2.71	-1.70	-0.27	0.13	4.35	6.43
22.06.38	-2.36	-2.71	-1.69	-0.26	0.15	4.37	6.46
10.08.38	-2.34	-2.70	-1.68	-0.25	0.16	4.39	6.48
08.10.38	-2.33	-2.70	-1.68	-0.25	0.17	4.41	6.50
18.12.38	-2.32	-2.70	-1.67	-0.24	0.18	4.43	6.53
13.03.39	-2.30	-2.70	-1.66	-0.24	0.19	4.46	6.56

Well RE-4 Water Levels (mamsl)

Date	Non-Int.	DM30-2000	DM30-2008	DM50-2000	DM50-2008	Zero-2008	SM-2008
25.03.39	-2.30	-2.70	-1.66	-0.24	0.19	4.46	6.56
08.04.39	-2.30	-2.70	-1.66	-0.23	0.20	4.47	6.57
26.04.39	-2.29	-2.70	-1.66	-0.23	0.20	4.48	6.58
17.05.39	-2.29	-2.70	-1.65	-0.23	0.20	4.48	6.58
12.06.39	-2.28	-2.70	-1.65	-0.23	0.21	4.49	6.59
10.07.39	-2.28	-2.70	-1.65	-0.23	0.21	4.50	6.61
13.08.39	-2.27	-2.70	-1.65	-0.22	0.22	4.51	6.62
24.09.39	-2.26	-2.70	-1.64	-0.22	0.22	4.52	6.63
12.11.39	-2.25	-2.70	-1.64	-0.22	0.23	4.54	6.65
11.01.40	-2.24	-2.70	-1.64	-0.22	0.24	4.55	6.67
04.02.40	-2.24	-2.70	-1.63	-0.21	0.24	4.56	6.68
04.03.40	-2.23	-2.70	-1.63	-0.21	0.25	4.58	6.69
09.04.40	-2.22	-2.69	-1.62	-0.20	0.26	4.59	6.71
21.05.40	-2.20	-2.68	-1.61	-0.19	0.28	4.61	6.73
11.07.40	-2.18	-2.68	-1.60	-0.18	0.29	4.64	6.76
12.08.40	-2.18	-2.68	-1.59	-0.18	0.30	4.65	6.77
20.09.40	-2.17	-2.68	-1.59	-0.18	0.30	4.66	6.78
06.11.40	-2.16	-2.68	-1.58	-0.17	0.31	4.67	6.80
02.01.41	-2.15	-2.68	-1.58	-0.17	0.32	4.69	6.81
11.03.41	-2.14	-2.68	-1.58	-0.17	0.32	4.71	6.84

Well RE-3 Water Levels (mamsl)

Date	Non-Int.	DM30-2000	DM30-2008	DM50-2000	DM50-2008	Zero-2008	SM-2008
29.12.76	8.23	8.23	8.23	8.23	8.23	8.23	8.23
01.02.77	8.14	8.14	8.14	8.14	8.14	8.14	8.14
15.03.77	8.07	8.07	8.07	8.07	8.07	8.07	8.07
03.05.77	8.00	8.00	8.00	8.00	8.00	8.00	8.00
02.07.77	7.92	7.92	7.92	7.92	7.92	7.92	7.92
18.07.77	7.90	7.90	7.90	7.90	7.90	7.90	7.90
07.08.77	7.87	7.87	7.87	7.87	7.87	7.87	7.87
30.08.77	7.84	7.84	7.84	7.84	7.84	7.84	7.84
28.09.77	7.81	7.81	7.81	7.81	7.81	7.81	7.81
01.11.77	7.77	7.77	7.77	7.77	7.77	7.77	7.77
25.11.77	7.75	7.75	7.75	7.75	7.75	7.75	7.75
24.12.77	7.72	7.72	7.72	7.72	7.72	7.72	7.72
29.01.78	7.69	7.69	7.69	7.69	7.69	7.69	7.69
12.03.78	7.65	7.65	7.65	7.65	7.65	7.65	7.65
01.05.78	7.62	7.62	7.62	7.62	7.62	7.62	7.62
10.07.78	7.57	7.57	7.57	7.57	7.57	7.57	7.57
01.10.78	7.51	7.51	7.51	7.51	7.51	7.51	7.51
09.01.79	7.46	7.46	7.46	7.46	7.46	7.46	7.46
09.05.79	7.40	7.40	7.40	7.40	7.40	7.40	7.40
01.10.79	7.35	7.35	7.35	7.35	7.35	7.35	7.35
25.10.79	7.34	7.34	7.34	7.34	7.34	7.34	7.34
23.11.79	7.34	7.34	7.34	7.34	7.34	7.34	7.34
29.12.79	7.33	7.33	7.33	7.33	7.33	7.33	7.33
09.02.80	7.32	7.32	7.32	7.32	7.32	7.32	7.32
31.03.80	7.31	7.31	7.31	7.31	7.31	7.31	7.31
06.05.80	7.30	7.30	7.30	7.30	7.30	7.30	7.30
20.06.80	7.29	7.29	7.29	7.29	7.29	7.29	7.29
12.08.80	7.27	7.27	7.27	7.27	7.27	7.27	7.27
14.10.80	7.26	7.26	7.26	7.26	7.26	7.26	7.26
30.12.80	7.25	7.25	7.25	7.25	7.25	7.25	7.25
27.01.81	7.24	7.24	7.24	7.24	7.24	7.24	7.24
02.03.81	7.24	7.24	7.24	7.24	7.24	7.24	7.24
13.04.81	7.23	7.23	7.23	7.23	7.23	7.23	7.23
01.06.81	7.23	7.23	7.23	7.23	7.23	7.23	7.23
31.07.81	7.22	7.22	7.22	7.22	7.22	7.22	7.22
16.08.81	7.22	7.22	7.22	7.22	7.22	7.22	7.22
05.09.81	7.22	7.22	7.22	7.22	7.22	7.22	7.22
28.09.81	7.22	7.22	7.22	7.22	7.22	7.22	7.22
27.10.81	7.21	7.21	7.21	7.21	7.21	7.21	7.21
30.11.81	7.21	7.21	7.21	7.21	7.21	7.21	7.21
20.12.81	7.21	7.21	7.21	7.21	7.21	7.21	7.21
13.01.82	7.21	7.21	7.21	7.21	7.21	7.21	7.21
12.02.82	7.21	7.21	7.21	7.21	7.21	7.21	7.21
19.03.82	7.21	7.21	7.21	7.21	7.21	7.21	7.21
01.05.82	7.21	7.21	7.21	7.21	7.21	7.21	7.21
21.05.82	7.21	7.21	7.21	7.21	7.21	7.21	7.21
14.06.82	7.21	7.21	7.21	7.21	7.21	7.21	7.21
14.07.82	7.20	7.20	7.20	7.20	7.20	7.20	7.20
18.08.82	7.20	7.20	7.20	7.20	7.20	7.20	7.20
30.09.82	7.19	7.19	7.19	7.19	7.19	7.19	7.19
28.10.82	7.19	7.19	7.19	7.19	7.19	7.19	7.19
01.12.82	7.19	7.19	7.19	7.19	7.19	7.19	7.19
12.01.83	7.19	7.19	7.19	7.19	7.19	7.19	7.19
02.03.83	7.18	7.18	7.18	7.18	7.18	7.18	7.18

Well RE-3 Water Levels (mamsl)

Date	Non-Int.	DM30-2000	DM30-2008	DM50-2000	DM50-2008	Zero-2008	SM-2008
01.05.83	7.18	7.18	7.18	7.18	7.18	7.18	7.18
17.07.83	7.16	7.16	7.16	7.16	7.16	7.16	7.16
18.10.83	7.14	7.14	7.14	7.14	7.14	7.14	7.14
07.02.84	7.11	7.11	7.11	7.11	7.11	7.11	7.11
20.06.84	7.07	7.07	7.07	7.07	7.07	7.07	7.07
29.11.84	7.02	7.02	7.02	7.02	7.02	7.02	7.02
19.12.84	7.01	7.01	7.01	7.01	7.01	7.01	7.01
12.01.85	7.00	7.00	7.00	7.00	7.00	7.00	7.00
11.02.85	6.99	6.99	6.99	6.99	6.99	6.99	6.99
18.03.85	6.98	6.98	6.98	6.98	6.98	6.98	6.98
30.04.85	6.96	6.96	6.96	6.96	6.96	6.96	6.96
05.06.85	6.95	6.95	6.95	6.95	6.95	6.95	6.95
20.07.85	6.93	6.93	6.93	6.93	6.93	6.93	6.93
11.09.85	6.91	6.91	6.91	6.91	6.91	6.91	6.91
13.11.85	6.88	6.88	6.88	6.88	6.88	6.88	6.88
29.01.86	6.85	6.85	6.85	6.85	6.85	6.85	6.85
26.02.86	6.84	6.84	6.84	6.84	6.84	6.84	6.84
01.04.86	6.82	6.82	6.82	6.82	6.82	6.82	6.82
13.05.86	6.81	6.81	6.81	6.81	6.81	6.81	6.81
01.07.86	6.79	6.79	6.79	6.79	6.79	6.79	6.79
30.08.86	6.76	6.76	6.76	6.76	6.76	6.76	6.76
19.09.86	6.75	6.75	6.75	6.75	6.75	6.75	6.75
13.10.86	6.74	6.74	6.74	6.74	6.74	6.74	6.74
12.11.86	6.73	6.73	6.73	6.73	6.73	6.73	6.73
17.12.86	6.71	6.71	6.71	6.71	6.71	6.71	6.71
29.01.87	6.69	6.69	6.69	6.69	6.69	6.69	6.69
22.02.87	6.68	6.68	6.68	6.68	6.68	6.68	6.68
23.03.87	6.67	6.67	6.67	6.67	6.67	6.67	6.67
28.04.87	6.66	6.66	6.66	6.66	6.66	6.66	6.66
09.06.87	6.64	6.64	6.64	6.64	6.64	6.64	6.64
30.07.87	6.62	6.62	6.62	6.62	6.62	6.62	6.62
15.08.87	6.61	6.61	6.61	6.61	6.61	6.61	6.61
04.09.87	6.60	6.60	6.60	6.60	6.60	6.60	6.60
27.09.87	6.59	6.59	6.59	6.59	6.59	6.59	6.59
26.10.87	6.58	6.58	6.58	6.58	6.58	6.58	6.58
29.11.87	6.56	6.56	6.56	6.56	6.56	6.56	6.56
19.12.87	6.55	6.55	6.55	6.55	6.55	6.55	6.55
12.01.88	6.54	6.54	6.54	6.54	6.54	6.54	6.54
11.02.88	6.53	6.53	6.53	6.53	6.53	6.53	6.53
17.03.88	6.52	6.52	6.52	6.52	6.52	6.52	6.52
29.04.88	6.50	6.50	6.50	6.50	6.50	6.50	6.50
08.06.88	6.48	6.48	6.48	6.48	6.48	6.48	6.48
27.07.88	6.45	6.45	6.45	6.45	6.45	6.45	6.45
24.09.88	6.42	6.42	6.42	6.42	6.42	6.42	6.42
04.12.88	6.38	6.38	6.38	6.38	6.38	6.38	6.38
27.02.89	6.34	6.34	6.34	6.34	6.34	6.34	6.34
19.03.89	6.33	6.33	6.33	6.33	6.33	6.33	6.33
12.04.89	6.31	6.31	6.31	6.31	6.31	6.31	6.31
12.05.89	6.30	6.30	6.30	6.30	6.30	6.30	6.30
16.06.89	6.28	6.28	6.28	6.28	6.28	6.28	6.28
29.07.89	6.26	6.26	6.26	6.26	6.26	6.26	6.26
06.08.89	6.25	6.25	6.25	6.25	6.25	6.25	6.25
16.08.89	6.25	6.25	6.25	6.25	6.25	6.25	6.25
27.08.89	6.24	6.24	6.24	6.24	6.24	6.24	6.24

Well RE-3 Water Levels (mamsl)

Date	Non-Int.	DM30-2000	DM30-2008	DM50-2000	DM50-2008	Zero-2008	SM-2008
11.09.89	6.23	6.23	6.23	6.23	6.23	6.23	6.23
28.09.89	6.22	6.22	6.22	6.22	6.22	6.22	6.22
18.10.89	6.21	6.21	6.21	6.21	6.21	6.21	6.21
11.11.89	6.20	6.20	6.20	6.20	6.20	6.20	6.20
11.12.89	6.19	6.19	6.19	6.19	6.19	6.19	6.19
15.01.90	6.18	6.18	6.18	6.18	6.18	6.18	6.18
27.02.90	6.16	6.16	6.16	6.16	6.16	6.16	6.16
08.04.90	6.14	6.14	6.14	6.14	6.14	6.14	6.14
27.05.90	6.11	6.11	6.11	6.11	6.11	6.11	6.11
25.07.90	6.07	6.07	6.07	6.07	6.07	6.07	6.07
04.10.90	6.03	6.03	6.03	6.03	6.03	6.03	6.03
28.12.90	5.98	5.98	5.98	5.98	5.98	5.98	5.98
09.01.91	5.97	5.97	5.97	5.97	5.97	5.97	5.97
23.01.91	5.96	5.96	5.96	5.96	5.96	5.96	5.96
10.02.91	5.95	5.95	5.95	5.95	5.95	5.95	5.95
03.03.91	5.94	5.94	5.94	5.94	5.94	5.94	5.94
28.03.91	5.92	5.92	5.92	5.92	5.92	5.92	5.92
26.04.91	5.90	5.90	5.90	5.90	5.90	5.90	5.90
30.05.91	5.88	5.88	5.88	5.88	5.88	5.88	5.88
11.07.91	5.86	5.86	5.86	5.86	5.86	5.86	5.86
29.08.91	5.83	5.83	5.83	5.83	5.83	5.83	5.83
28.10.91	5.79	5.79	5.79	5.79	5.79	5.79	5.79
21.11.91	5.77	5.77	5.77	5.77	5.77	5.77	5.77
20.12.91	5.76	5.76	5.76	5.76	5.76	5.76	5.76
25.01.92	5.74	5.74	5.74	5.74	5.74	5.74	5.74
07.03.92	5.71	5.71	5.71	5.71	5.71	5.71	5.71
27.04.92	5.68	5.68	5.68	5.68	5.68	5.68	5.68
29.05.92	5.66	5.66	5.66	5.66	5.66	5.66	5.66
07.07.92	5.64	5.64	5.64	5.64	5.64	5.64	5.64
23.08.92	5.60	5.60	5.60	5.60	5.60	5.60	5.60
19.10.92	5.57	5.57	5.57	5.57	5.57	5.57	5.57
26.12.92	5.52	5.52	5.52	5.52	5.52	5.52	5.52
23.01.93	5.51	5.51	5.51	5.51	5.51	5.51	5.51
26.02.93	5.49	5.49	5.49	5.49	5.49	5.49	5.49
09.04.93	5.46	5.46	5.46	5.46	5.46	5.46	5.46
28.05.93	5.44	5.44	5.44	5.44	5.44	5.44	5.44
27.07.93	5.40	5.40	5.40	5.40	5.40	5.40	5.40
12.08.93	5.39	5.39	5.39	5.39	5.39	5.39	5.39
01.09.93	5.37	5.37	5.37	5.37	5.37	5.37	5.37
24.09.93	5.36	5.36	5.36	5.36	5.36	5.36	5.36
23.10.93	5.34	5.34	5.34	5.34	5.34	5.34	5.34
26.11.93	5.31	5.31	5.31	5.31	5.31	5.31	5.31
20.12.93	5.30	5.30	5.30	5.30	5.30	5.30	5.30
18.01.94	5.27	5.27	5.27	5.27	5.27	5.27	5.27
23.02.94	5.25	5.25	5.25	5.25	5.25	5.25	5.25
06.04.94	5.22	5.22	5.22	5.22	5.22	5.22	5.22
27.05.94	5.18	5.18	5.18	5.18	5.18	5.18	5.18
04.08.94	5.12	5.12	5.12	5.12	5.12	5.12	5.12
26.10.94	5.04	5.04	5.04	5.04	5.04	5.04	5.04
03.02.95	4.94	4.94	4.94	4.94	4.94	4.94	4.94
03.06.95	4.82	4.82	4.82	4.82	4.82	4.82	4.82
26.10.95	4.65	4.65	4.65	4.65	4.65	4.65	4.65
19.11.95	4.63	4.63	4.63	4.63	4.63	4.63	4.63
18.12.95	4.60	4.60	4.60	4.60	4.60	4.60	4.60

Well RE-3 Water Levels (mamsl)

Date	Non-Int.	DM30-2000	.DM30-2008	DM50-2000	DM50-2008	Zcro-2008	SM-2008
23.01.96	4.56	4.56	4.56	4.56	4.56	4.56	4.56
05.03.96	4.51	4.51	4.51	4.51	4.51	4.51	4.51
25.04.96	4.45	4.45	4.45	4.45	4.45	4.45	4.45
31.05.96	4.41	4.41	4.41	4.41	4.41	4.41	4.41
15.07.96	4.36	4.36	4.36	4.36	4.36	4.36	4.36
06.09.96	4.29	4.29	4.29	4.29	4.29	4.29	4.29
08.11.96	4.22	4.22	4.22	4.22	4.22	4.22	4.22
24.01.97	4.12	4.12	4.12	4.12	4.12	4.12	4.12
21.02.97	4.09	4.09	4.09	4.09	4.09	4.09	4.09
27.03.97	4.05	4.05	4.05	4.05	4.05	4.05	4.05
08.05.97	4.01	4.01	4.01	4.01	4.01	4.01	4.01
26.06.97	3.95	3.95	3.95	3.95	3.95	3.95	3.95
25.08.97	3.88	3.88	3.88	3.88	3.88	3.88	3.88
10.09.97	3.86	3.86	3.86	3.86	3.86	3.86	3.86
30.09.97	3.84	3.84	3.84	3.84	3.84	3.84	3.84
23.10.97	3.81	3.81	3.81	3.81	3.81	3.81	3.81
21.11.97	3.78	3.78	3.78	3.78	3.78	3.78	3.78
25.12.97	3.74	3.74	3.74	3.74	3.74	3.74	3.74
14.01.98	3.72	3.72	3.72	3.72	3.72	3.72	3.72
07.02.98	3.69	3.69	3.69	3.69	3.69	3.69	3.69
09.03.98	3.66	3.66	3.66	3.66	3.66	3.66	3.66
13.04.98	3.63	3.63	3.63	3.63	3.63	3.63	3.63
26.05.98	3.59	3.59	3.59	3.59	3.59	3.59	3.59
15.06.98	3.56	3.56	3.56	3.56	3.56	3.56	3.56
09.07.98	3.53	3.53	3.53	3.53	3.53	3.53	3.53
08.08.98	3.50	3.50	3.50	3.50	3.50	3.50	3.50
12.09.98	3.46	3.46	3.46	3.46	3.46	3.46	3.46
25.10.98	3.41	3.41	3.41	3.41	3.41	3.41	3.41
22.11.98	3.38	3.38	3.38	3.38	3.38	3.38	3.38
26.12.98	3.35	3.35	3.35	3.35	3.35	3.35	3.35
06.02.99	3.31	3.31	3.31	3.31	3.31	3.31	3.31
27.03.99	3.26	3.26	3.26	3.26	3.26	3.26	3.26
26.05.99	3.20	3.20	3.20	3.20	3.20	3.20	3.20
11.08.99	3.12	3.12	3.12	3.12	3.12	3.12	3.12
12.11.99	3.02	3.02	3.02	3.02	3.02	3.02	3.02
03.03.00	2.90	2.91	2.90	2.92	2.90	2.90	2.90
15.07.00	2.77	2.79	2.77	2.80	2.77	2.77	2.77
24.12.00	2.61	2.65	2.61	2.68	2.61	2.61	2.61
13.01.01	2.60	2.64	2.60	2.66	2.60	2.60	2.60
06.02.01	2.57	2.62	2.57	2.64	2.57	2.57	2.57
08.03.01	2.54	2.59	2.54	2.62	2.54	2.54	2.54
12.04.01	2.51	2.57	2.51	2.60	2.51	2.51	2.51
25.05.01	2.47	2.53	2.47	2.57	2.47	2.47	2.47
30.06.01	2.44	2.51	2.44	2.55	2.44	2.44	2.44
14.08.01	2.40	2.47	2.40	2.52	2.40	2.40	2.40
06.10.01	2.35	2.44	2.35	2.49	2.35	2.35	2.35
08.12.01	2.29	2.39	2.29	2.45	2.29	2.29	2.29
23.02.02	2.23	2.34	2.23	2.41	2.23	2.23	2.23
23.03.02	2.20	2.32	2.20	2.40	2.20	2.20	2.20
26.04.02	2.18	2.30	2.18	2.39	2.18	2.18	2.18
07.06.02	2.15	2.28	2.15	2.37	2.15	2.15	2.15
26.07.02	2.11	2.25	2.11	2.35	2.11	2.11	2.11
24.09.02	2.06	2.22	2.06	2.33	2.06	2.06	2.06
14.10.02	2.05	2.21	2.05	2.32	2.05	2.05	2.05

Well RE-3 Water Levels (mamsl)

Date	Non-Int.	DM30-2000	DM30-2008	DM50-2000	DM50-2008	Zero-2008	SM-2008
07.11.02	2.03	2.20	2.03	2.31	2.03	2.03	2.03
07.12.02	2.00	2.18	2.00	2.30	2.00	2.00	2.00
11.01.03	1.97	2.16	1.97	2.29	1.97	1.97	1.97
23.02.03	1.94	2.14	1.94	2.27	1.94	1.94	1.94
19.03.03	1.92	2.13	1.92	2.26	1.92	1.92	1.92
17.04.03	1.91	2.12	1.91	2.26	1.91	1.91	1.91
23.05.03	1.88	2.10	1.88	2.25	1.88	1.88	1.88
04.07.03	1.86	2.09	1.86	2.24	1.86	1.86	1.86
24.08.03	1.83	2.07	1.83	2.24	1.83	1.83	1.83
09.09.03	1.81	2.06	1.81	2.23	1.81	1.81	1.81
29.09.03	1.80	2.05	1.80	2.23	1.80	1.80	1.80
22.10.03	1.78	2.04	1.78	2.22	1.78	1.78	1.78
20.11.03	1.76	2.03	1.76	2.21	1.76	1.76	1.76
24.12.03	1.74	2.02	1.74	2.20	1.74	1.74	1.74
13.01.04	1.73	2.01	1.73	2.20	1.73	1.73	1.73
06.02.04	1.72	2.00	1.72	2.20	1.72	1.72	1.72
07.03.04	1.70	2.00	1.70	2.20	1.70	1.70	1.70
11.04.04	1.68	1.99	1.68	2.20	1.68	1.68	1.68
24.05.04	1.66	1.98	1.66	2.19	1.66	1.66	1.66
03.07.04	1.63	1.96	1.63	2.19	1.63	1.63	1.63
21.08.04	1.60	1.94	1.60	2.18	1.60	1.60	1.60
19.10.04	1.56	1.92	1.56	2.17	1.56	1.56	1.56
29.12.04	1.52	1.90	1.52	2.16	1.52	1.52	1.52
24.03.05	1.47	1.87	1.47	2.15	1.47	1.47	1.47
13.04.05	1.46	1.87	1.46	2.15	1.46	1.46	1.46
07.05.05	1.45	1.86	1.45	2.15	1.45	1.45	1.45
06.06.05	1.43	1.85	1.43	2.15	1.43	1.43	1.43
11.07.05	1.41	1.84	1.41	2.14	1.41	1.41	1.41
23.08.05	1.39	1.83	1.39	2.14	1.39	1.39	1.39
31.08.05	1.39	1.83	1.39	2.14	1.39	1.39	1.39
10.09.05	1.38	1.82	1.38	2.14	1.38	1.38	1.38
21.09.05	1.37	1.82	1.37	2.14	1.37	1.37	1.37
06.10.05	1.37	1.82	1.37	2.14	1.37	1.37	1.37
23.10.05	1.36	1.81	1.36	2.14	1.36	1.36	1.36
12.11.05	1.35	1.81	1.35	2.14	1.35	1.35	1.35
06.12.05	1.34	1.81	1.34	2.14	1.34	1.34	1.34
05.01.06	1.33	1.81	1.33	2.15	1.33	1.33	1.33
09.02.06	1.32	1.80	1.32	2.15	1.32	1.32	1.32
24.03.06	1.31	1.80	1.31	2.16	1.31	1.31	1.31
03.05.06	1.29	1.79	1.29	2.16	1.29	1.29	1.29
21.06.06	1.26	1.78	1.26	2.16	1.26	1.26	1.26
19.08.06	1.24	1.77	1.24	2.16	1.24	1.24	1.24
29.10.06	1.20	1.75	1.20	2.16	1.20	1.20	1.20
22.01.07	1.17	1.74	1.17	2.16	1.17	1.17	1.17
03.02.07	1.16	1.73	1.16	2.16	1.16	1.16	1.16
17.02.07	1.15	1.73	1.15	2.16	1.15	1.15	1.15
07.03.07	1.15	1.73	1.15	2.16	1.15	1.15	1.15
28.03.07	1.14	1.73	1.14	2.16	1.14	1.14	1.14
23.04.07	1.13	.1.72	1.13	2.16	1.13	1.13	1.13
21.05.07	1.12	1.72	1.12	2.16	1.12	1.12	1.12
24.06.07	1.10	1.71	1.10	2.16	1.10	1.10	1.10
05.08.07	1.09	1.70	1.09	2.16	1.09	1.09	1.09
23.09.07	1.07	1.69	1.07	2.17	1.07	1.07	1.07
22.11.07	1.04	1.68	1.04	2.17	1.04	1.04	1.04

Well RE-3 Water Levels (mamsl)

Date	Non-Int.	DM30-2000	DM30-2008	DM50-2000	DM50-2008	Zcro-2008	SM-2008
16.12.07	1.03	1.68	1.03	2.17	1.03	1.03	1.03
14.01.08	1.02	1.68	1.02	2.18	1.02	1.02	1.02
19.02.08	1.01	1.67	1.01	2.18	1.01	1.01	1.01
01.04.08	1.00	1.67	1.00	2.19	1.00	1.00	1.00
22.05.08	0.99	1.67	0.99	2.19	0.99	0.99	0.99
23.06.08	0.98	1.66	0.98	2.19	0.98	0.98	0.98
01.08.08	0.96	1.66	0.97	2.20	0.97	0.96	0.97
17.09.08	0.95	1.65	0.95	2.20	0.96	0.95	0.95
13.11.08	0.93	1.64	0.94	2.20	0.94	0.93	0.94
20.01.09	0.91	1.63	0.92	2.21	0.93	0.91	0.93
17.02.09	0.90	1.63	0.92	2.22	0.93	0.90	0.93
23.03.09	0.89	1.63	0.91	2.22	0.93	0.89	0.93
04.05.09	0.88	1.63	0.91	2.23	0.93	0.88	0.94
22.06.09	0.87	1.63	0.91	2.24	0.93	0.87	0.94
21.08.09	0.86	1.63	0.90	2.25	0.93	0.86	0.96
06.09.09	0.86	1.63	0.90	2.25	0.93	0.86	0.96
26.09.09	0.85	1.63	0.90	2.26	0.93	0.85	0.96
19.10.09	0.85	1.63	0.89	2.26	0.93	0.85	0.97
17.11.09	0.84	1.62	0.89	2.26	0.92	0.84	0.97
21.12.09	0.83	1.62	0.89	2.27	0.93	0.83	0.98
14.01.10	0.83	1.62	0.89	2.27	0.93	0.83	0.99
12.02.10	0.82	1.62	0.89	2.28	0.93	0.83	1.00
20.03.10	0.82	1.62	0.89	2.28	0.94	0.83	1.02
01.05.10	0.81	1.62	0.89	2.29	0.94	0.82	1.04
21.06.10	0.81	1.62	0.89	2.30	0.95	0.83	1.06
29.08.10	0.79	1.62	0.89	2.31	0.96	0.83	1.10
20.11.10	0.78	1.61	0.89	2.33	0.97	0.83	1.15
28.02.11	0.76	1.61	0.89	2.34	0.99	0.85	1.21
28.06.11	0.74	1.60	0.90	2.36	1.01	0.89	1.29
20.11.11	0.72	1.60	0.91	2.38	1.04	0.94	1.40
14.12.11	0.72	1.60	0.91	2.39	1.05	0.95	1.42
12.01.12	0.71	1.60	0.91	2.39	1.06	0.97	1.45
17.02.12	0.71	1.60	0.92	2.40	1.07	0.99	1.48
30.03.12	0.71	1.60	0.92	2.41	1.08	1.01	1.52
20.05.12	0.70	1.60	0.93	2.42	1.10	1.04	1.56
25.06.12	0.70	1.60	0.94	2.43	1.11	1.06	1.59
09.08.12	0.69	1.60	0.94	2.44	1.12	1.08	1.63
01.10.12	0.69	1.60	0.95	2.44	1.13	1.11	1.68
03.12.12	0.68	1.59	0.95	2.46	1.15	1.15	1.74
18.02.13	0.68	1.59	0.96	2.47	1.18	1.20	1.81
18.03.13	0.67	1.59	0.97	2.48	1.19	1.22	1.84
21.04.13	0.67	1.59	0.97	2.48	1.20	1.24	1.87
02.06.13	0.67	1.60	0.98	2.49	1.21	1.27	1.91
21.07.13	0.67	1.60	0.99	2.50	1.23	1.31	1.96
19.09.13	0.67	1.60	1.00	2.52	1.26	1.36	2.03
05.10.13	0.67	1.60	1.01	2.52	1.26	1.37	2.04
25.10.13	0.67	1.60	1.01	2.52	1.27	1.38	2.06
17.11.13	0.67	1.60	1.01	2.53	1.28	1.40	2.08
16.12.13	0.67	1.60	1.02	2.53	1.28	1.42	2.11
19.01.14	0.67	1.60	1.02	2.54	1.30	1.45	2.15
08.02.14	0.67	1.60	1.03	2.55	1.31	1.47	2.17
04.03.14	0.67	1.61	1.04	2.56	1.32	1.49	2.20
03.04.14	0.67	1.61	1.05	2.57	1.33	1.52	2.23
08.05.14	0.68	1.62	1.06	2.58	1.35	1.55	2.28

Well RE-3 Water Levels (mamsl)

Date	Non-Int.	DM30-2000	DM30-2008	DM50-2000	DM50-2008	Zero-2008	SM-2008
20.06.14	0.68	1.63	1.07	2.59	1.37	1.59	2.33
10.07.14	0.68	1.63	1.08	2.60	1.38	1.61	2.35
03.08.14	0.68	1.63	1.08	2.60	1.39	1.63	2.37
02.09.14	0.68	1.63	1.09	2.61	1.40	1.65	2.40
07.10.14	0.68	1.63	1.09	2.62	1.41	1.68	2.44
19.11.14	0.68	1.63	1.10	2.62	1.43	1.72	2.49
17.12.14	0.68	1.63	1.11	2.63	1.44	1.74	2.52
20.01.15	0.69	1.64	1.12	2.64	1.46	1.78	2.56
03.03.15	0.69	1.64	1.13	2.66	1.48	1.82	2.61
21.04.15	0.70	1.65	1.15	2.67	1.51	1.86	2.67
20.06.15	0.71	1.66	1.17	2.69	1.54	1.92	2.74
05.09.15	0.71	1.66	1.19	2.71	1.57	1.99	2.82
07.12.15	0.71	1.67	1.21	2.73	1.61	2.07	2.92
28.03.16	0.72	1.67	1.23	2.75	1.65	2.17	3.04
09.08.16	0.72	1.68	1.26	2.78	1.71	2.30	3.19
18.01.17	0.73	1.68	1.30	2.82	1.77	2.44	3.36
07.02.17	0.73	1.68	1.30	2.82	1.78	2.46	3.38
03.03.17	0.73	1.69	1.31	2.83	1.79	2.48	3.41
02.04.17	0.74	1.69	1.31	2.83	1.80	2.51	3.44
07.05.17	0.74	1.69	1.32	2.84	1.82	2.54	3.48
19.06.17	0.74	1.69	1.33	2.85	1.83	2.58	3.53
25.07.17	0.74	1.69	1.34	2.86	1.85	2.61	3.56
08.09.17	0.75	1.69	1.35	2.87	1.86	2.65	3.61
31.10.17	0.75	1.70	1.36	2.88	1.89	2.70	3.67
02.01.18	0.75	1.70	1.37	2.89	1.91	2.76	3.73
20.03.18	0.76	1.70	1.39	2.91	1.94	2.82	3.81
17.04.18	0.76	1.70	1.40	2.91	1.95	2.85	3.85
21.05.18	0.77	1.71	1.41	2.92	1.97	2.88	3.88
02.07.18	0.77	1.71	1.42	2.93	1.99	2.92	3.93
20.08.18	0.78	1.71	1.43	2.95	2.01	2.97	3.98
19.10.18	0.79	1.72	1.45	2.96	2.03	3.02	4.05
08.11.18	0.79	1.72	1.45	2.96	2.04	3.04	4.07
02.12.18	0.79	1.72	1.46	2.97	2.05	3.06	4.09
01.01.19	0.79	1.72	1.46	2.97	2.06	3.09	4.12
05.02.19	0.80	1.72	1.47	2.98	2.08	3.12	4.16
20.03.19	0.80	1.73	1.48	2.99	2.09	3.16	4.20
13.04.19	0.80	1.73	1.49	3.00	2.11	3.18	4.23
12.05.19	0.81	1.73	1.50	3.01	2.12	3.21	4.27
17.06.19	0.82	1.74	1.51	3.02	2.14	3.25	4.31
29.07.19	0.83	1.75	1.52	3.03	2.16	3.29	4.36
18.09.19	0.84	1.76	1.54	3.05	2.19	3.34	4.41
04.10.19	0.84	1.76	1.55	3.05	2.19	3.35	4.43
24.10.19	0.84	1.76	1.55	3.06	2.20	3.37	4.45
16.11.19	0.84	1.76	1.56	3.06	2.21	3.39	4.47
15.12.19	0.85	1.76	1.56	3.07	2.22	3.42	4.50
17.01.20	0.85	1.76	1.57	3.07	2.24	3.45	4.54
07.02.20	0.86	1.77	1.58	3.08	2.25	3.47	4.56
02.03.20	0.86	1.77	1.59	3.09	2.26	3.49	4.59
01.04.20	0.87	1.78	1.60	3.10	2.28	3.52	4.62
06.05.20	0.88	1.78	1.61	3.11	2.29	3.56	4.67
17.06.20	0.89	1.79	1.63	3.13	2.32	3.60	4.72
28.07.20	0.90	1.79	1.64	3.14	2.33	3.64	4.76
15.09.20	0.90	1.80	1.65	3.15	2.35	3.68	4.81
13.11.20	0.91	1.80	1.66	3.16	2.38	3.73	4.87

Well RE-3 Water Levels (mamsl)

Date	Non-Int.	DM30-2000	DM30-2008	DM50-2000	DM50-2008	Zero-2008	SM-2008
23.01.21	0.92	1.81	1.68	3.18	2.41	3.79	4.94
17.04.21	0.93	1.81	1.70	3.19	2.44	3.87	5.02
08.05.21	0.94	1.81	1.71	3.20	2.45	3.88	5.04
01.06.21	0.94	1.82	1.71	3.21	2.46	3.91	5.07
01.07.21	0.94	1.82	1.72	3.21	2.47	3.93	5.10
05.08.21	0.95	1.82	1.73	3.22	2.49	3.96	5.14
16.09.21	0.96	1.83	1.74	3.23	2.51	4.00	5.18
25.09.21	0.96	1.83	1.74	3.23	2.51	4.01	5.19
05.10.21	0.96	1.83	1.74	3.24	2.51	4.01	5.20
16.10.21	0.96	1.83	1.75	3.24	2.52	4.02	5.21
31.10.21	0.96	1.83	1.75	3.24	2.52	4.04	5.22
16.11.21	0.97	1.83	1.75	3.24	2.53	4.05	5.24
07.12.21	0.97	1.84	1.76	3.25	2.54	4.07	5.26
31.12.21	0.98	1.84	1.77	3.26	2.56	4.10	5.29
30.01.22	0.99	1.85	1.79	3.28	2.57	4.13	5.33
06.03.22	1.00	1.86	1.80	3.29	2.60	4.17	5.37
17.04.22	1.02	1.87	1.82	3.31	2.62	4.21	5.42
28.05.22	1.03	1.88	1.83	3.32	2.64	4.25	5.46
16.07.22	1.04	1.88	1.84	3.33	2.66	4.29	5.51
13.09.22	1.05	1.88	1.86	3.34	2.68	4.34	5.56
23.11.22	1.06	1.89	1.88	3.36	2.71	4.40	5.63
15.02.23	1.07	1.90	1.90	3.38	2.74	4.47	5.71
28.02.23	1.08	1.90	1.90	3.38	2.75	4.48	5.72
14.03.23	1.08	1.90	1.90	3.38	2.75	4.49	5.74
01.04.23	1.08	1.90	1.91	3.39	2.76	4.50	5.76
22.04.23	1.09	1.90	1.91	3.39	2.77	4.52	5.78
17.05.23	1.09	1.91	1.92	3.40	2.78	4.54	5.80
15.06.23	1.10	1.91	1.93	3.40	2.79	4.57	5.83
19.07.23	1.10	1.91	1.94	3.41	2.81	4.59	5.86
30.08.23	1.11	1.92	1.95	3.42	2.82	4.63	5.90
18.10.23	1.12	1.92	1.96	3.43	2.84	4.67	5.95
16.12.23	1.13	1.92	1.97	3.44	2.86	4.71	6.00
10.01.24	1.14	1.93	1.98	3.45	2.88	4.74	6.02
08.02.24	1.14	1.93	1.99	3.46	2.89	4.76	6.05
15.03.24	1.15	1.94	2.00	3.47	2.90	4.79	6.09
26.04.24	1.16	1.94	2.01	3.48	2.92	4.83	6.13
15.06.24	1.18	1.95	2.03	3.49	2.95	4.87	6.18
18.07.24	1.18	1.95	2.03	3.50	2.96	4.90	6.21
26.08.24	1.19	1.95	2.04	3.51	2.97	4.93	6.24
12.10.24	1.20	1.96	2.05	3.52	2.99	4.96	6.29
08.12.24	1.21	1.96	2.06	3.53	3.01	5.00	6.34
13.02.25	1.22	1.97	2.08	3.54	3.04	5.06	6.40
14.03.25	1.23	1.97	2.09	3.55	3.05	5.08	6.42
17.04.25	1.24	1.98	2.10	3.56	3.06	5.11	6.46
29.05.25	1.25	1.98	2.11	3.57	3.08	5.14	6.50
17.07.25	1.26	1.99	2.13	3.59	3.11	5.19	6.54
14.09.25	1.28	2.00	2.15	3.61	3.13	5.24	6.60
01.10.25	1.29	2.00	2.15	3.61	3.14	5.25	6.62
21.10.25	1.29	2.00	2.16	3.61	3.15	5.26	6.63
13.11.25	1.29	2.01	2.16	3.62	3.16	5.28	6.65
12.12.25	1.30	2.01	2.17	3.62	3.17	5.30	6.68
14.01.26	1.31	2.01	2.17	3.63	3.18	5.33	6.71
08.02.26	1.31	2.01	2.18	3.64	3.19	5.35	6.73
09.03.26	1.32	2.02	2.19	3.64	3.20	5.37	6.76

Well RE-3 Water Levels (mamsl)

Date	Non-Int.	DM30-2000	DM30-2008	DM50-2000	DM50-2008	Zero-2008	SM-2008
14.04.26	1.33	2.02	2.20	3.65	3.22	5.40	6.79
26.05.26	1.34	2.03	2.21	3.67	3.24	5.43	6.83
15.07.26	1.36	2.04	2.23	3.68	3.26	5.48	6.88
23.09.26	1.37	2.04	2.24	3.69	3.28	5.53	6.93
15.12.26	1.39	2.05	2.26	3.71	3.31	5.59	7.00
25.03.27	1.41	2.06	2.28	3.73	3.35	5.66	7.08
23.07.27	1.44	2.06	2.31	3.75	3.39	5.74	7.18
14.12.27	1.46	2.07	2.34	3.78	3.44	5.84	7.29
08.01.28	1.47	2.08	2.34	3.78	3.45	5.85	7.31
06.02.28	1.48	2.08	2.35	3.79	3.46	5.88	7.34
13.03.28	1.49	2.08	2.36	3.80	3.47	5.90	7.37
24.04.28	1.50	2.09	2.37	3.81	3.49	5.93	7.40
13.06.28	1.51	2.09	2.39	3.82	3.51	5.97	7.44
20.07.28	1.52	2.10	2.39	3.83	3.52	5.99	7.47
03.09.28	1.53	2.10	2.40	3.83	3.53	6.02	7.51
26.10.28	1.54	2.10	2.41	3.84	3.55	6.06	7.55
28.12.28	1.55	2.10	2.42	3.85	3.57	6.10	7.59
14.03.29	1.57	2.11	2.44	3.87	3.59	6.15	7.65
12.04.29	1.57	2.11	2.44	3.87	3.60	6.17	7.67
16.05.29	1.58	2.12	2.45	3.88	3.62	6.19	7.70
27.06.29	1.59	2.12	2.46	3.89	3.63	6.22	7.73
15.08.29	1.61	2.13	2.47	3.90	3.65	6.25	7.77
13.10.29	1.62	2.13	2.49	3.91	3.67	6.29	7.82
30.10.29	1.63	2.13	2.49	3.92	3.68	6.30	7.83
19.11.29	1.63	2.13	2.50	3.92	3.68	6.32	7.84
12.12.29	1.63	2.14	2.50	3.92	3.69	6.33	7.86
10.01.30	1.64	2.14	2.50	3.93	3.70	6.35	7.88
13.02.30	1.65	2.14	2.51	3.93	3.71	6.37	7.90
05.03.30	1.65	2.14	2.52	3.94	3.72	6.38	7.92
29.03.30	1.66	2.15	2.53	3.95	3.73	6.40	7.94
28.04.30	1.67	2.15	2.54	3.96	3.74	6.43	7.97
02.06.30	1.69	2.16	2.55	3.97	3.76	6.45	8.00
15.07.30	1.70	2.17	2.56	3.98	3.78	6.49	8.04
04.08.30	1.71	2.17	2.57	3.99	3.79	6.50	8.05
28.08.30	1.71	2.17	2.57	3.99	3.79	6.51	8.07
27.09.30	1.72	2.18	2.58	4.00	3.80	6.53	8.09
01.11.30	1.73	2.18	2.58	4.00	3.81	6.55	8.11
14.12.30	1.74	2.18	2.59	4.01	3.83	6.58	8.14
11.01.31	1.75	2.19	2.60	4.02	3.84	6.60	8.17
14.02.31	1.76	2.19	2.61	4.03	3.85	6.62	8.20
28.03.31	1.77	2.20	2.62	4.04	3.87	6.65	8.23
16.05.31	1.79	2.21	2.64	4.05	3.89	6.69	8.27
15.07.31	1.81	2.22	2.66	4.07	3.92	6.73	8.32
30.09.31	1.83	2.22	2.67	4.08	3.94	6.78	8.37
01.01.32	1.85	2.23	2.69	4.10	3.97	6.83	8.43
22.04.32	1.87	2.24	2.71	4.12	4.00	6.90	8.51
03.09.32	1.90	2.25	2.74	4.14	4.04	6.98	8.60
12.02.33	1.94	2.26	2.77	4.17	4.09	7.07	8.70
04.03.33	1.94	2.26	2.77	4.17	4.09	7.08	8.71
28.03.33	1.95	2.26	2.78	4.17	4.10	7.09	8.73
27.04.33	1.96	2.26	2.78	4.18	4.11	7.11	8.75
01.06.33	1.96	2.26	2.79	4.18	4.12	7.13	8.77
14.07.33	1.97	2.27	2.79	4.19	4.13	7.15	8.80
19.08.33	1.98	2.27	2.80	4.20	4.14	7.17	8.82

Well RE-3 Water Levels (mamsl)

Date	Non-Int.	DM30-2000	DM30-2008	DM50-2000	DM50-2008	Zero-2008	SM-2008
03.10.33	1.99	2.27	2.81	4.20	4.15	7.19	8.85
25.11.33	2.00	2.27	2.82	4.21	4.17	7.22	8.88
27.01.34	2.01	2.28	2.83	4.22	4.18	7.25	8.92
14.04.34	2.03	2.28	2.84	4.23	4.20	7.29	8.96
12.05.34	2.04	2.28	2.84	4.23	4.21	7.31	8.98
15.06.34	2.05	2.29	2.85	4.24	4.22	7.33	9.00
27.07.34	2.06	2.29	2.86	4.25	4.24	7.35	9.03
14.09.34	2.07	2.29	2.87	4.26	4.25	7.38	9.06
13.11.34	2.09	2.30	2.88	4.27	4.27	7.41	9.10
03.12.34	2.09	2.30	2.89	4.27	4.27	7.42	9.11
27.12.34	2.10	2.30	2.89	4.27	4.28	7.44	9.13
26.01.35	2.10	2.30	2.89	4.28	4.29	7.45	9.14
02.03.35	2.11	2.30	2.90	4.28	4.30	7.47	9.16
14.04.35	2.12	2.30	2.91	4.29	4.31	7.49	9.19
08.05.35	2.13	2.31	2.91	4.29	4.32	7.50	9.20
06.06.35	2.13	2.31	2.92	4.30	4.33	7.52	9.22
12.07.35	2.15	2.32	2.93	4.31	4.34	7.54	9.25
23.08.35	2.16	2.33	2.94	4.32	4.35	7.57	9.28
13.10.35	2.18	2.33	2.96	4.33	4.37	7.60	9.31
29.10.35	2.18	2.34	2.96	4.34	4.38	7.61	9.32
18.11.35	2.18	2.34	2.96	4.34	4.38	7.62	9.33
11.12.35	2.19	2.34	2.96	4.34	4.39	7.63	9.35
09.01.36	2.20	2.34	2.97	4.35	4.40	7.64	9.36
12.02.36	2.20	2.34	2.97	4.35	4.40	7.66	9.38
03.03.36	2.21	2.34	2.98	4.36	4.41	7.67	9.39
27.03.36	2.22	2.35	2.99	4.36	4.42	7.69	9.41
26.04.36	2.23	2.35	3.00	4.37	4.43	7.71	9.43
31.05.36	2.24	2.36	3.01	4.38	4.45	7.73	9.46
13.07.36	2.26	2.37	3.02	4.39	4.46	7.75	9.49
22.08.36	2.27	2.37	3.03	4.40	4.47	7.77	9.51
10.10.36	2.28	2.37	3.03	4.41	4.49	7.80	9.54
08.12.36	2.29	2.38	3.04	4.41	4.50	7.83	9.57
17.02.37	2.31	2.38	3.06	4.43	4.52	7.86	9.61
13.05.37	2.33	2.39	3.07	4.44	4.54	7.90	9.66
02.06.37	2.33	2.39	3.07	4.44	4.55	7.91	9.67
26.06.37	2.34	2.39	3.08	4.44	4.55	7.92	9.68
26.07.37	2.35	2.39	3.08	4.45	4.56	7.94	9.70
30.08.37	2.35	2.40	3.09	4.46	4.57	7.95	9.72
12.10.37	2.36	2.40	3.10	4.46	4.58	7.97	9.74
20.10.37	2.37	2.40	3.10	4.46	4.58	7.98	9.75
30.10.37	2.37	2.40	3.10	4.46	4.59	7.98	9.75
10.11.37	2.37	2.40	3.10	4.47	4.59	7.99	9.76
25.11.37	2.37	2.40	3.10	4.47	4.59	8.00	9.76
12.12.37	2.38	2.40	3.11	4.47	4.60	8.00	9.77
01.01.38	2.39	2.41	3.11	4.48	4.61	8.02	9.79
25.01.38	2.40	2.41	3.12	4.49	4.62	8.03	9.81
24.02.38	2.41	2.42	3.13	4.50	4.63	8.05	9.83
31.03.38	2.42	2.43	3.15	4.51	4.65	8.08	9.85
13.05.38	2.44	2.44	3.16	4.52	4.67	8.10	9.88
22.06.38	2.45	2.44	3.17	4.53	4.68	8.12	9.91
10.08.38	2.46	2.45	3.18	4.54	4.69	8.14	9.93
08.10.38	2.48	2.45	3.19	4.54	4.70	8.17	9.96
18.12.38	2.49	2.46	3.20	4.55	4.72	8.20	10.00
13.03.39	2.51	2.46	3.21	4.57	4.74	8.24	10.04

Well RE-3 Water Levels (mamsl)

Date	Non-Int.	DM30-2000	DM30-2008	DM50-2000	DM50-2008	Zero-2008	SM-2008
25.03.39	2.52	2.46	3.21	4.57	4.74	8.25	10.05
08.04.39	2.52	2.46	3.22	4.57	4.75	8.25	10.06
26.04.39	2.52	2.47	3.22	4.57	4.75	8.26	10.07
17.05.39	2.53	2.47	3.22	4.58	4.76	8.27	10.08
12.06.39	2.54	2.47	3.23	4.58	4.76	8.28	10.09
10.07.39	2.54	2.47	3.23	4.59	4.77	8.30	10.10
13.08.39	2.55	2.47	3.24	4.59	4.78	8.31	10.12
24.09.39	2.56	2.48	3.24	4.60	4.79	8.33	10.14
12.11.39	2.57	2.48	3.25	4.60	4.80	8.35	10.17
11.01.40	2.58	2.48	3.26	4.61	4.81	8.38	10.20
04.02.40	2.59	2.48	3.26	4.61	4.82	8.39	10.21
04.03.40	2.60	2.49	3.27	4.62	4.83	8.40	10.22
09.04.40	2.61	2.49	3.28	4.63	4.84	8.42	10.24
21.05.40	2.62	2.50	3.29	4.63	4.85	8.44	10.27
11.07.40	2.64	2.50	3.30	4.64	4.87	8.46	10.29
12.08.40	2.64	2.50	3.30	4.65	4.87	8.48	10.31
20.09.40	2.65	2.51	3.31	4.65	4.88	8.49	10.33
06.11.40	2.66	2.51	3.31	4.66	4.89	8.51	10.35
02.01.41	2.67	2.51	3.32	4.67	4.90	8.53	10.38
11.03.41	2.69	2.51	3.33	4.67	4.92	8.56	10.41