Attachment 1

Local Background Estimates

Attachment 1 - Estimated NRF Background Groundwater Concentrations (ppb unless otherwise specified)

	pH	Spec. Cond. (uS/cm)	Aluminum	Antimony[1]	Arsenic	Barium	Beryllium	Cadmium[1]	Chromium
	6.5 to 8.5[3]	(4)	200	6	50	2000	4	5	100
Mean	8.06	423	<<51	<<0.7	<2.6	<100	<<.5	<<0.6	6.7
Std. Dev.	0.28	167	42	0.3	1.4	32	0.1	0.4	1.3
Max	8.72	610	100	1.1	5.8	200	1.1	1.0	10.0
Min	7.47	210	<10	<0.2	1.0	51	0.5	0.0	4.0

	Copper[1]	Iron	Lead[1]	Manganese	Mercury[1]	Nickel	Selenium	Silver[1]	Thallium[1]
	1300	300[3]	15	50[3]	2	100	50	100[3]	2
Mean	<<1.7	<389	<1.1	<9.3	<<0.12	<3.61	<2.5	<<0.8	<<.32
Std. Dev.	0.7	799	0.5	5.5	0.0	2.8	1.6	0.2	0.2
Max	4.0	4800	4.0	24.0	0.2	11.0	5.0	1.0	0.5
Min	1.0	<10	0.3	0.8	0.1	0.5	0.9	0.2	0.0

	Zinc	Calcium	Potassium	Magnesium	Sodium	Chloride	Sulfate	NO2	NO2 + NO3
	5000[3]	(4)	(4)	(4)	(4)	250000[3]	250000[3]	1000	10000
Mean	<<12.4	45603	2486	15020	11712	19429	23971	<<9	1184
Std. Dev.	6	19439	521	6031	3391	14818	9751	3	707
Max	37	77000	3300	24000	17700	42000	38000	20	2200
Min	3	21000	1700	8300	4500	4000	13000	1	380

	TKN	TOX	P as P	Organic Carbon	Sr-90 pCi/L	Cs-137 pCi/L	Gross Alpha pCi/L	Gross Beta pCi/L	Tritium[2] pCi/L
	(4)	(4)	(4)	(4)	8 pCi/L	(4)	15 pCi/L	4 mrem/y	20,000 pCi/L
Mean	<<383	<29	<29	<596	0.29	0.02	1.96	3.73	28
Std. Dev.	166	10	16	424	0.55	1.12	0.91	1.59	32
Max	500	55	70	2000	2.53	1.67	4.18	7.61	82
Min	94	6	5	100	0.00	-4.59	0.00	0.70	-29

<	A significant portion of the data used to create this value are at or below the Method Detection Limit (MDL)
<<	Most of the data used to create this value are at or below the MDL .
1	Two or more MDLs were used in the creation of this number.
2	Three anomalous values were removed from the data set used to create this value.
3	Secondary MCL
4	MCL not determined

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Attachment 2

1999 NRF Groundwater Monitoring Results

Attachment 2 - Metals - 1999 NRF Groundwater Data

Well Number	Date Sampled	pH	Specific Conduct (uS/cm)		Aluminum		Antimony		Arsenic		Barium		Beryllium		Cadmium		Chromium		Copper
NRF 6	02/04/99	7.98	1290	J	61	<	0.50	<	5.0		69	<	0.5	<	0.3	W$_a$	24	<	2.0
NRF-6	05/03/99	8.05	1301	J	31	<	0.50	J	4.3		71	<	0.5	<	0.3	W$_a$,B,C	30	<	2.0
NRF-6	07/27/99	7.89	1212	J	39	<	0.50	<	5.0		64	<	0.5	<	0.3		31	<	2.0
NRF-6	11/01/99	7.80	1114	J	54	<	0.50	<	5.0		58	<	0.5	<	0.3	B,C	27	<	2.0
	Mean	7.93	1229		46		0.50		4.8		65		0.5		0.3		28.1		2.0
	STD Dev	0.11	86		14		0.00		0.3		6		0.0		0.0		3		0.0
NRF 7	02/04/99	8.16	261		120	<	0.50	<	5.0		60	J	1.1	<	0.3		10	<	2.0
NRF-7	05/03/99	8.44	255		120	<	0.50	<	5.0		62	<	0.5	<	0.3		9	<	2.0
NRF-7	07/27/99	8.05	262		200	<	0.50	<	5.0		61	<	0.5	<	0.3	W$_a$	11	<	2.0
NRF-7	11/01/99	8.12	261		560	<	0.50	<	5.0		69	<	0.5	<	0.3		13	<	2.0
	Mean	8.19	260		250		0.50		5.0		63		0.7		0.3		10.7		2.0
	STD Dev	0.17	3		210		0.00		0.0		4		0.3		0.0		2		0.0
NRF-8	02/11/99	8.03	604	<	100	<	0.50	<	5.0		125	<	0.5	<	0.3	W$_a$	6	<	2.0
NRF-8	05/03/99	8.10	600	J	27	<	0.50	<	5.0		140	<	0.5	<	0.3	W$_a$	6	<	2.0
NRF-8	07/28/99	7.90	597	J	37	<	0.50	<	5.0		140	<	0.5	<	0.3		8	J	3.3
NRF-8	11/02/99	7.96	595		500	<	0.50	<	5.0		140	J	1.7	<	0.3		10	<	2.0
	Mean	8.00	599		166		0.50		5.0		136		0.8		0.3		7.4		2.3
	STD Dev	0.09	4		225		0.00		0.0		8		0.6		0.0		2		0.7
NRF-9	02/11/99	8.03	639	<	100	<	0.50	<	5.0		133	<	0.5	<	0.3	W$_a$	8	<	2.0
NRF-9	05/04/99	7.81	634	J	29	<	0.50	<	5.0		140	<	0.5	<	0.3	W$_a$	9	<	2.0
NRF-9	07/28/99	7.93	631	J	26	<	0.50	<	5.0		140	<	0.5	<	0.3		12	<	2.0
NRF-9	11/02/99	7.99	623		110	<	0.50	<	5.0		150	J	1.6	<	0.3		9	<	2.0
	Mean	7.94	632		66		0.50		5.0		141		0.8		0.3		9.4		2.0
	STD Dev	0.10	7		45		0.00		0.0		7		0.6		0.0		2		0.0
NRF-10	02/11/99	8.07	601	<	100	<	0.50	<	5.0		124	<	0.5	<	0.3	W$_a$	10	<	2.0
NRF-10	05/04/99	7.93	595		110	<	0.50	<	5.0		140	<	0.5	<	0.3	W$_a$	11	<	2.0
NRF-10	07/29/99	7.93	600	J	64	<	0.50	<	5.0		140	<	0.5	<	0.3	W$_a$	13	J	1.1
NRF-10	11/02/99	8.01	590		160	<	0.50	<	5.0		140	J	1.8	<	0.3		12	<	2.0
	Mean	7.99	597		114		0.50		5.0		136		0.8		0.3		11.4		1.8
	STD Dev	0.07	5		49		0.00		0.0		8		0.7		0.0		1		0.5
NRF-11	02/11/99	8.04	636	<	100	<	0.50	<	5.0		138	<	0.5	<	0.3	W$_a$	14	<	2.0
NRF-11	05/04/99	7.91	630		220	<	0.50	<	5.0		150	<	0.5	<	0.3	W$_a$	14	<	2.0
NRF-11	07/29/99	7.89	630	J	93	<	0.50	<	5.0		140	<	0.5	<	0.3	W$_a$	17		28.0
NRF-11	11/03/99	7.98	625	J	44	<	0.50	<	5.0		150	<	0.5	<	0.3		15	<	2.0
	Mean	7.96	631		114		0.50		5.0		145		0.5		0.3		14.9		8.5
	STD Dev	0.07	5		75		0.00		0.0		6		0.0		0.0		2		13.0
NRF 12	02/04/99	7.96	698	J	70	<	0.50	<	5.0		175	<	0.5	<	0.3	W$_a$	14	<	2.0
NRF-12	05/05/99	7.80	686	J	33	<	0.50	<	5.0		180	<	0.5	<	0.3	B,C	21	<	2.0
NRF-12	07/29/99	7.91	676	J	27	<	0.50	<	5.0		170	<	0.5	<	0.3	W$_a$	20	<	2.0
NRF-12	11/03/99	7.94	663	<	100	<	0.50	<	5.0		170	<	0.5	<	0.3	W$_a$	18	J	3.4
	Mean	7.90	681		58		0.50		5.0		174		0.5		0.3		18.3		2.4
	STD Dev	0.07	15		34		0.00		0.0		5		0.0		0.0		3		0.7
NRF 13	02/11/99		623		1680	<	0.50	<	5.0		88	<	0.5	<	0.3	W$_a$,B,C	78	J	4.0
NRF 13	05/05/99	7.96	578		2200	<	0.50	<	5.0		110	<	0.5	<	0.3	W$_a$,B,C	74	J	4.5
NRF 13	07/29/99	7.89	624		3800	<	0.50	<	5.0		110	<	0.5	<	0.3	B,C	49	J	4.6
NRF 13	11/03/99	7.96	618		2400	<	0.50	<	5.0		110	<	0.5	<	0.3	B,C	92	J	7.0
	Mean	7.94	611		2520		0.50		5.0		104		0.5		0.3		73.3		5.0
	STD Dev	0.04	22		906		0.00		0.0		11		0.0		0.0		18		1.3
USGS 12	02/11/99	7.99	491	<	100	<	0.50	<	5.0		123	<	0.5	<	0.3	W$_a$	5	<	2.0
USGS 12	05/05/99	7.76	479	J	25	<	0.50	<	5.0		130	<	0.5	<	0.3		6	<	2.0
USGS 12	07/29/99	7.80	472	J	15	<	0.50	<	5.0		130	<	0.5	<	0.3		7	<	2.0
USGS 12	11/03/99	7.93	470	J	56	<	0.50	<	5.0		130	<	0.5	<	0.3		6	<	2.0
	Mean	7.87	478		49		0.50		5.0		128		0.5		0.3		5.9		2.0
	STD Dev	0.11	9		38		0.00		0.0		4		0.0		0.0		1		0.0
USGS 97	02/09/99	7.93	615	<	100	J	3.20	<	5.0		131	<	0.5	<	0.3	W$_a$	5	<	2.0
USGS 97	05/04/99	7.79	614	J	27	<	0.50	<	5.0		150	<	0.5	<	0.3		5	<	2.0
USGS 97	07/28/99	7.90	609	J	24	<	0.50	<	5.0		140	<	0.5	<	0.3		7	J	1.0
USGS 97	11/02/99	7.97	606		110	<	0.50	<	5.0		150	J	1.6	<	0.3		7	<	2.0
	Mean	7.90	611		65		1.18		5.0		143		0.8		0.3		6.2		1.8
	STD Dev	0.08	4		46		1.35		0.0		9		0.6		0.0		1		0.5
USGS 98	02/09/99	7.08	443	<	100	<	0.50	<	5.0		55	<	0.5	<	0.3	J	5	<	2.0
USGS 98	05/04/99	7.51	439	J	26	<	0.50	<	5.0		57	<	0.5	<	0.3	J,B	5	<	2.0
USGS 98	07/28/99	7.81	436	J	21	<	0.50	<	5.0		57	<	0.5	<	0.3		7	J	1.0
USGS 98	11/02/99	8.02	438	J	89	<	0.50	<	5.0		57	J	1.5	<	0.3		6	<	2.0
	Mean	7.61	440		59		0.50		5.0		57		0.8		0.3		5.6		1.8
	STD Dev	0.41	2		41		0.00		0.0		1		0.5		0.0		1		0.5
USGS 99	02/09/99	8.01	530	<	100	<	0.50	<	5.0		101	<	0.5	<	0.3	W$_a$	5	J	4.0
USGS 99	05/04/99	7.76	528	J	24	<	0.50	<	5.0		110	<	0.5	<	0.3	J	5	<	2.0
USGS 99	07/28/99	7.88	526	J	18	<	0.50	<	5.0		110	<	0.5	<	0.3		6	J	1.1
USGS 99	11/02/99	8.00	530		110	<	0.50	<	5.0		110	J	1.4	<	0.3		6	<	2.0
	Mean	7.92	529		63		0.50		5.0		108		0.7		0.3		5.4		2.3
	STD Dev	0.11	2		49		0.00		0.0		5		0.5		0.0		1		1.2
USGS-102	02/09/99	7.94	604	J	50	<	0.50	<	5.0		122	<	0.5	<	0.3	W$_a$	6	<	2.0
USGS-102	05/03/99	8.12	602	J	49	<	0.50	<	5.0		130	<	0.5	<	0.3	W$_a$	8	<	2.0
USGS-102	07/27/99	7.93	596	J	24	<	0.50	<	5.0		130	<	0.5	<	0.3	W$_a$	9	<	2.0
USGS-102	11/01/99	7.83	593	J	75	<	0.50	<	5.0		130	<	0.5	<	0.3		7	<	2.0
	Mean	7.96	599		49		0.50		5.0		128		0.5		0.3		7.3		2.0
	STD Dev	0.12	5		21		0.00		0.0		4		0.0		0.0		1		0.0

B = Compound is also detected in the blank.
J = Result is detected below the reporting limit or is an estimted concentration.
S = Sample diluted due to the concentration of target analytes.
U = The MDL was raised to accomodate the detection of constituents in blank
Q = The reporting limit was elevated due to high analyte levels
W$_a$ = Post digestion spike recovery fell between 40-85% due to matrix interference
D = Results were obtained from the analysis of a dilution

< = Less than MDL
Results = Results exceed 3 (s) and are considered outliers.
Results = Results are exceptionally high, however, random variation in data accounts for descrepency
Results = Results were rejected by the data validator, however, they were consistent with past results
J = At least one qualifier added by data validator to data otherwise not qualified by the laboratory
= No data is available.

Attachment 2 - Metals - 1999 NRF Groundwater Data

Well Number	Date Sampled	Iron		Lead		Manganese		Mercury		Nickel		Selenium		Silver		Thallium		Zinc
NRF-6	02/04/99	486	<	1.00	J	5	<	0.20	J	12	<	5.0	<	0.50	<	0.1	<	20
NRF-6	05/03/99	570	<	1.00	J	5	<	0.20	J	15	<	5.0	<	0.50	<	0.1	<	20
NRF-6	07/27/99	1100	J	1.50	J	9	J	0.16	J	10	<	5.0	<	0.50	J	8.6	J	3
NRF-6	11/01/99	150	J	2.10	J	1	<	0.20	J	15	<	5.0	<	0.50	<	0.1	<	20
	Mean	576.5		1.4		5.1		0.2		12.9		5.0		0.5		2.2		15.7
	STD Dev	393.4		0.5		3.2		0.0		2.5		0.0		0.0		4.3		8.7
NRF-7	02/04/99	101	<	1.00	J	3	<	0.20	<	10	<	5.0	<	0.50	<	0.1	<	20
NRF-7	05/03/99	270	<	1.00	J	5	<	0.20	J	10	<	5.0	<	0.50	<	0.1		37
NRF-7	07/27/99	310	<	1.00		10	J	0.14	J	9	<	5.0	<	0.50	<	0.1	J	9
NRF-7	11/01/99	700		3.50		24	<	0.20	J	11	<	5.0	<	0.50	<	0.1	J	11
	Mean	345.3		1.6		10.7		0.2		10.0		5.0		0.5		0.1		19.3
	STD Dev	253.3		1.3		9.3		0.0		0.8		0.0		0.0		0.0		12.8
NRF-8	02/11/99	100	<	1.00	<	10	J	0.16	<	10	<	5.0	<	0.50	<	0.1	<	20
NRF-8	05/03/99	310	<	1.00	J	2	<	0.20	<	10	<	5.0	<	0.50	<	0.1	J	3
NRF-8	07/28/99	31	J	1.20	<	10	<	0.20	<	10	<	5.0	<	0.50	<	0.1	J	5
NRF-8	11/02/99	570		3.80	J	10	<	0.20	<	10	<	5.0	<	0.50	<	0.1	J	3
	Mean	252.8		1.8		8.0		0.2		10.0		5.0		0.5		0.1		7.9
	STD Dev	242.5		1.4		3.9		0.0		0.0		0.0		0.0		0.0		8.1
NRF-9	02/11/99	100	<	1.00	<	10	J	0.16	<	10	<	5.0	<	0.50	<	0.1	<	20
NRF-9	05/04/99	33	<	1.00	<	10	<	0.20	<	10	<	5.0	<	0.50	<	0.1	<	20
NRF-9	07/28/99	52	<	1.00	<	10	<	0.20	<	10	<	5.0	<	0.50	<	0.1	<	20
NRF-9	11/02/99	18	J	1.70	<	10	<	0.20	<	10	<	5.0	<	0.50	<	0.1	<	20
	Mean	50.8		1.2		10.0		0.2		10.0		5.0		0.5		0.1		20.0
	STD Dev	35.7		0.3		0.0		0.0		0.0		0.0		0.0		0.0		0.0
NRF-10	02/11/99	100	<	1.00	J	3	J	0.14	J	12	<	5.0	<	0.50	<	0.1	<	20
NRF-10	05/04/99	180	<	1.00	J	4	<	0.20	J	34	<	5.0	<	0.50	<	0.1	<	20
NRF-10	07/29/99	120	<	1.00	J	4	<	0.20	J	24	J	4.1	<	0.50	<	0.1	<	20
NRF-10	11/02/99	97	J	4.40	J	4	<	0.20	J	23	<	5.0	<	0.50	<	0.1	J	10
	Mean	124.3		1.9		3.7		0.2		23.3		4.8		0.5		0.1		17.4
	STD Dev	38.5		1.7		0.5		0.0		9.0		0.4		0.0		0.0		5.2
NRF-11	02/11/99	100	<	1.00	<	10	J	0.15	<	10	<	5.0	<	0.50	<	0.1	<	20
NRF-11	05/04/99	200	J	1.60	J	3	<	0.20	<	10	<	5.0	<	0.50	<	0.1	<	20
NRF-11	07/29/99	220	J	1.60	J	2	<	0.20	<	10	<	5.0	<	0.50	<	0.1	<	20
NRF-11	11/03/99	69	J	2.00	J	1	<	0.20	<	10	<	5.0	<	0.50	J	5.2	<	20
	Mean	147.3		1.6		4.1		0.2		10.0		5.0		0.5		1.4		20.0
	STD Dev	74.0		0.4		4.0		0.0		0.0		0.0		0.0		2.6		0.0
NRF-12	02/04/99	100	<	1.00	<	10	<	0.20	J	17	<	5.0	<	0.50	<	0.1	<	20
NRF-12	05/05/99	140	<	1.00	J	1	<	0.20	J	24	<	5.0	<	0.50	<	0.1	<	20
NRF-12	07/29/99	250	J	1.60	J	1	<	0.20	J	18	<	5.0	<	0.50	<	0.1	<	20
NRF-12	11/03/99	83	J	2.60	<	10	<	0.20	J	15	<	5.0	<	0.50	<	0.1	<	20
	Mean	143.3		1.6		5.7		0.2		18.6		5.0		0.5		0.1		20.0
	STD Dev	75.1		0.8		5.0		0.0		3.8		0.0		0.0		0.0		0.0
NRF 13	02/11/99	2030	<	1.00		37	J	0.18		42	<	5.0	<	0.50	<	0.1	<	20
NRF 13	05/05/99	2600	J	1.80		67	<	0.20	J	20	<	5.0	<	0.50	<	0.1	J	9
NRF 13	07/29/99	3500	J	1.00		58	<	0.20	J	13	<	5.0	<	0.50	<	0.1	J	9
NRF 13	11/03/99	2600	J	2.00		44	<	0.20	J	27	<	5.0	<	0.50	<	0.1	J	13
	Mean	2682.5		1.5		51.5		0.2		25.5		5.0		0.5		0.1		12.8
	STD Dev	607.6		0.5		13.5		0.0		12.3		0.0		0.0		0.0		5.1
USGS 12	02/11/99	100	<	1.00	<	10	<	0.20	<	10	<	5.0	<	0.50	<	0.1	<	20
USGS 12	05/05/99	86	<	1.00	<	10	<	0.20	<	10	<	5.0	<	0.50	<	0.1	J	3
USGS 12	07/29/99	85	J	1.50	<	10	<	0.20	<	10	J	4.2	<	0.50	<	0.1	<	20
USGS 12	11/03/99	77	J	2.70	J	2	<	0.20	<	10	<	5.0	<	0.50	<	0.1	J	10
	Mean	87.0		1.6		7.9		0.2		10.0		4.8		0.5		0.1		13.2
	STD Dev	9.6		0.8		4.2		0.0		0.0		0.4		0.0		0.0		8.3
USGS 97	02/09/99	100	<	1.00	<	10	<	0.20	<	10	<	5.0	<	0.50	<	0.1		111
USGS 97	05/04/99	14	J	9.20	<	10	<	0.20	<	10	<	5.0	<	0.50	<	0.1		100
USGS 97	07/28/99	66	J	1.80	<	10	<	0.20	<	10	<	5.0	<	0.50	<	0.1		100
USGS 97	11/02/99	9	J	2.80	<	10	<	0.20	<	10	<	5.0	<	0.50	<	0.1		98
	Mean	47.3		3.7		10.0		0.2		10.0		5.0		0.5		0.1		102.3
	STD Dev	43.6		3.8		0.0		0.0		0.0		0.0		0.0		0.0		5.9
USGS 98	02/09/99	100		3.50	<	10	<	0.20	<	10	<	5.0	<	0.50	<	0.1		120
USGS 98	05/04/99	160		6.50	J	1	<	0.20	<	10	<	5.0	<	0.50	<	0.1		180
USGS 98	07/28/99	54		4.30	<	10	<	0.20	<	10	<	5.0	<	0.50	<	0.1		140
USGS 98	11/02/99	19		6.30	<	10	<	0.20	<	10	<	5.0	<	0.50	<	0.1		130
	Mean	83.3		5.2		7.9		0.2		10.0		5.0		0.5		0.1		142.5
	STD Dev	61.0		1.5		4.3		0.0		0.0		0.0		0.0		0.0		26.3
USGS 99	02/09/99	100	<	1.00	<	10	<	0.20	<	10	<	5.0	<	0.50	<	0.1		102
USGS 99	05/04/99	93	J	1.70	<	10	<	0.20	<	10	<	5.0	<	0.50	<	0.1		120
USGS 99	07/28/99	77	J	2.20	<	10	<	0.20	<	10	<	5.0	<	0.50	<	0.1		94
USGS 99	11/02/99	58		3.60	<	10	<	0.20	<	10	<	5.0	<	0.50	<	0.1		99
	Mean	82.0		2.1		10.0		0.2		10.0		5.0		0.5		0.1		103.8
	STD Dev	18.7		1.1		0.0		0.0		0.0		0.0		0.0		0.0		11.3
USGS-102	02/09/99	100	<	1.00	<	10	<	0.20	<	10	<	5.0	<	0.50	<	0.1	<	20
USGS-102	05/03/99	220	<	1.00	J	2	<	0.20	<	10	<	5.0	<	0.50	<	0.1		39
USGS-102	07/27/99	88	J	2.20	<	10	J	0.16	<	10	<	5.0	<	0.50	<	0.1	<	9
USGS-102	11/01/99	57	J	1.80	<	10	<	0.20	<	10	<	5.0	<	0.50	<	0.1	<	20
	Mean	116.3		1.5		7.9		0.2		10.0		5.0		0.5		0.1		22.0
	STD Dev	71.5		0.6		4.3		0.0		0.0		0.0		0.0		0.0		12.4

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Q = The reporting limit was elevated due to high analyte levels

Wa = Post digestion spike recovery fell between 40-85% due to matrix interference

D = Results were obtained from the analysis of a dilution

< Less than MDL

Results exceed 3 (s) and are considered outliers.

Results Results are exceptionally high, however, random variation in data accounts for discrepency

Results Results were rejected by the data validator, however, they were consistent with past results

J At least one qualifier added by data validator to data otherwise not qualified by the laboratory

No data is available.

Attachment 2 - Salts - 1999 NRF Groundwater Data

Well Number	Date Sampled		Calcium		Potassium		Magnesium		Sodium		Chloride		Sulfate
NRF 5	02/04/99		114000	J	4480		29300		93600	Q	199000	Q	138000
NRF-5	05/03/99		117000	J	4700		30400		95600	Q	228000	Q	131000
NRF-5	07/27/99		111000	J	4300		28800		83900	Q	191000	Q	128000
NRF-5	11/01/99		96300	J	3700		26500		77200	Q	176000	Q	113000
	Mean		109575		4295		28750		87575		198500		127500
	STD Dev		9183		429		1642		8599		21856		10536
NRF 7	02/04/99		27100	J	3020		9480		8730		5100		13200
NRF-7	05/03/99		27700	J	3200		9700		9500		5300		13300
NRF-7	07/27/99		30000	J	2900		9800		8200		5300		14000
NRF-7	11/01/99		28300	J	3000		9800		8900		5800		14200
	Mean		28275		3030		9695		8833		5375		13675
	STD Dev		1250		125		151		536		299		499
NRF-8	02/11/99	<	70500	J	2400		22300		14500		38500		34700
NRF-8	05/03/99		71500	J	2500		23100		14600		39800		34600
NRF-8	07/28/99		71600	J	2200		23100		15600		36400		35500
NRF-8	11/02/99		66700	J	2300		22900		15200		41700		36200
	Mean		70075		2350		22850		14975		38600		35250
	STD Dev		2304		129		379		519		2601		751
NRF-9	02/11/99		74900	J	2210		23000		17200		45600		42800
NRF-9	05/04/99		75300	J	2400		23300		18000		49500		42700
NRF-9	07/28/99		74700	J	2200		23400		17600		45100		43100
NRF-9	11/02/99		68700	J	2400		22700		16900		49300		42400
	Mean		73400		2303		23100		17425		47375		42750
	STD Dev		3143		113		316		479		2349		289
NRF-10	02/11/99		68700	J	2550		21700		14400		42200		39900
NRF-10	05/04/99		70500	J	2800		22700		14500		45700		39500
NRF-10	07/29/99		71100	J	2400		23000		16200		41700		39900
NRF-10	11/02/99		66900	J	2400		22600		15200		50000		40800
	Mean		69300		2540		22500		15075		44900		40025
	STD Dev		1897		189		560		830		3838		550
NRF-11	02/11/99		73600	J	2440		22900		16800		46600		41900
NRF-11	05/04/99		74100	J	2500		23400		17300	Q	44500		41400
NRF-11	07/29/99		69100	J	2500		21900		18500		47200		42300
NRF-11	11/03/99		73200	J	2800		23500		19500	Q	47100		42200
	Mean		72500		2560		22925		18025		46350		41950
	STD Dev		2296		162		732		1215		1261		404
NRF 12	02/04/99		77100	J	2870		23900		23500	Q	56000	Q	48900
NRF-12	05/05/99		79200	J	3100		24400		25200	Q	59100	Q	47800
NRF-12	07/29/99		76300	J	2500		23800		23700	Q	53400	Q	53400
NRF-12	11/03/99		76000	J	2600		24100		23300	Q	55900		49700
	Mean		77150		2768		23975		23925		56100		49950
	STD Dev		1443		271		350		866		2334		2428
NRF 13	02/11/99		71100	J	3870		20400		9590	Q	69000		82100
NRF 13	05/05/99		74000	J	4100		20500		11200	Q	69600	Q	75600
NRF 13	07/29/99		78100	J	3900		24100		11900	Q	69000	Q	81000
NRF 13	11/03/99		73900	J	4000		21900		12300	Q	81200	Q	86500
	Mean		74275		3968		21725		11248		72200		81400
	STD Dev		2883		104		1725		1195		6007		4638
USGS 12	02/11/99		56000	J	1940		17700		13300		17400		24300
USGS 12	05/05/99		58700	J	2200		18600		13400		17300		23200
USGS 12	07/29/99		57500	J	1700		18400		13300		14900		23900
USGS 12	11/03/99		57300	J	1800		18600		13100		15800		24000
	Mean		57375		1910		18325		13275		16350		23850
	STD Dev		1106		217		427		126		1212		465
USGS 97	02/09/99		71300	J	1930		23300		16900		14400		21400
USGS 97	05/04/99		73700	J	2100		24000		15800		40000		34400
USGS 97	07/28/99		71600	J	2100		23600		16600		36800		35400
USGS 97	11/02/99		66600	J	1900		23000		15700		41600		35600
	Mean		70800		2008		23475		16250		33200		31700
	STD Dev		2997		108		427		592		12691		6887
USGS 98	02/09/99		50900	J	1990		19300		10100		14400		21600
USGS 98	05/04/99		51300	J	2300		19400		10200		15400		21300
USGS 98	07/28/99		51100	J	2000		19500		10700		14500		22100
USGS 98	11/02/99		46700	J	2100		18800		9100		16700		22600
	Mean		50000		2098		19250		10025		15250		21900
	STD Dev		2206		144		311		670		1066		572
USGS 99	02/09/99		62500	J	1570		21600		15400		20500		25200
USGS 99	05/04/99		62900	J	1900		21900		14900		22400		24900
USGS 99	07/28/99		61900	J	1700		21500		14400		20800		25900
USGS 99	11/02/99		57100	J	1600		21200		13400		24000		26500
	Mean		60950		1693		21600		14525		21925		25625
	STD Dev		2655		149		316		854		1615		718
USGS-102	02/09/99		71900	J	2170		23000		16300		36000		34400
USGS-102	05/03/99		71700	J	2400		23400		15700		39500		34300
USGS-102	07/27/99		73100	J	2000		23600		14000		36200		35100
USGS-102	11/01/99		65700	J	2400		22400		15500		41200		35700
	Mean		70600		2243		23100		15375		38225		34875
	STD Dev		3325		195		529		978		2551		655

B = Compound is also detected in the blank.
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Q = The reporting limit was elevated due to high analyte levels
Wa = Post digestion spike recovery fell between 40-85% due to matrix interference
2 = Results were obtained from the analysis of a dilution

< = Less than MDL
Results exceed 3 (s) and are considered outliers.
Results Results are exceptionally high, however, random variation in data accounts for discrepancy
Results Results were rejected by the data validator, however, they were consistent with past results
J At least one qualifier added by data validator to data otherwise not qualified by the laboratory
No data is available.

Attachment 2 - Nutrients - 1999 NRF Groundwater Data

Well Number	Date Sampled		NO2		NO2 + NO3 as N		TKN		TOX		P as P		Organic Carbon
NRF-6	02/04/99	U	10.0		1700	J	88	J	14		93	U	1000
NRF-6	05/03/99	U	7.2		470	U	500	J	12	U	30	J	530
NRF-6	07/27/99	U	10.0		1800	J	180	U	30	J	45		1000
NRF-6	11/01/99	U	10.0		1800	U	500	U	30	J	35	U	1000
	Mean		9.3		1443		317		21		51		883
	STD Dev		1.4		650		215		10		29		235
NRF-7	02/04/99	U	10.0		530	J	110	U	30	J	39	U	1000
NRF-7	05/03/99		330.0		660	U	500	U	30	U	30	U	1000
NRF-7	07/27/99	U	10.0		470	J	120	U	30	J	31	U	1000
NRF-7	11/01/99	U	10.0		470	U	500	U	30	J	40	U	1000
	Mean		90.0		533		308		30		35		1000
	STD Dev		160.0		90		222		0		5		0
NRF-8	02/11/99	U	2.0	Q	2200	J	100	U	30	J	47	U	1000
NRF-8	05/03/99		11.0		2200	J	340	U	30	U	30	J	370
NRF-8	07/28/99	U	10.0		2300	J	110	U	30	J	35	J	510
NRF-8	11/02/99	U	10.0		2000	U	500	U	30		57	J	1000
	Mean		8.3		2175		263		30		42		720
	STD Dev		4.2		126		193		0		12		328
NRF-9	02/11/99	J	2.0	Q	2000	U	500	J	10		57	U	1000
NRF-9	05/04/99	U	10.0		2300	U	500	J	4	U	30	J	650
NRF-9	07/28/99	U	10.0		2300	J	120	U	30	J	31	J	490
NRF-9	11/02/99	U	10.0		2200	U	500	J	4	J	41	U	1000
	Mean		8.0		2200		405		12		40		835
	STD Dev		4.0		141		190		12		13		241
NRF-10	02/11/99	U	2.0	Q	1800	J	91	U	30		58	U	1000
NRF-10	05/04/99	U	10.0		1900	U	500	J	4		84	J	860
NRF-10	07/29/99	U	10.0		2100	U	500	U	30	J	17	J	950
NRF-10	11/02/99	U	10.0		1800	U	500	U	30	J	43	U	1000
	Mean		8.0		1900		398		24		51		953
	STD Dev		4.0		141		205		13		28		66
NRF-11	02/11/99		13.0	Q	2200	J	79	J	12		50	U	1000
NRF-11	05/04/99	U	10.0		2100	U	500	U	30	U	30	J	980
NRF-11	07/29/99	U	10.0		2300	J	410	U	30		53	J	480
NRF-11	11/03/99	U	10.0		2100	U	500	U	30	U	30	U	1000
	Mean		10.8		2175		372		25		41		865
	STD Dev		1.5		96		200		9		12		257
NRF-12	02/04/99	U	10.0		2100	U	500	J	8	J	35	U	1000
NRF-12	05/05/99	U	10.0		2100	U	500	J	5	U	50	J	540
NRF-12	07/29/99	U	10.0		2100	U	500	U	30		50	J	380
NRF-12	11/03/99	U	10.0		2000	J	99	U	30	J	34	U	1000
	Mean		10.0		2075		400		18		42		730
	STD Dev		0.0		50		201		14		9		319
NRF-13	02/11/99	J	7.0		910	J	200	J	13		84	U	1000
NRF-13	05/05/99	U	10.0		800	J	240	J	8		120	J	310
NRF-13	07/29/99	U	10.0		870	U	500	U	30		130	J	430
NRF-13	11/03/99	U	10.0		840	U	500	J	6		85	U	1000
	Mean		9.3		855		360		14		105		685
	STD Dev		1.5		47		162		11		24		367
USGS 12	02/11/99	J	3.0		1100	U	500	U	30	J	48	U	1000
USGS 12	05/05/99	U	10.0		1000	J	330	U	30	U	50	U	1000
USGS 12	07/29/99	J	7.7		950	J	200	U	30		53	J	640
USGS 12	11/03/99	U	10.0		820	J	120	U	30	J	41	U	1000
	Mean		7.7		968		288		30		48		910
	STD Dev		3.3		116		166		0		5		180
USGS 97	02/09/99	U	10.0		2400	J	180	U	30		53	U	1000
USGS 97	05/04/99	U	10.0		2200	U	500	U	30	U	30	J	760
USGS 97	07/28/99	U	10.0		2300	U	500	U	30	J	33	J	310
USGS 97	11/02/99	U	10.0		2200	U	500	U	30	J	32	U	1000
	Mean		10.0		2275		420		30		37		768
	STD Dev		0.0		96		160		0		11		325
USGS 98	02/09/99	U	10.0		960	U	500	U	30	J	38	U	1000
USGS 98	05/04/99	U	10.0		1200	U	500	J	4	U	50	J	540
USGS 98	07/28/99	U	10.0		1200	J	72	U	30	J	36	J	650
USGS 98	11/02/99	U	10.0		1100	U	500	J	12	J	27	U	1000
	Mean		10.0		1115		393		19		38		798
	STD Dev		0.0		114		214		13		9		238
USGS 99	02/09/99	U	10.0		1500	U	500	U	30		55	U	1000
USGS 99	05/04/99	U	10.0		1700	U	500	U	30	U	50	J	860
USGS 99	07/28/99	U	10.0		1700	J	420	U	30	J	26	J	890
USGS 99	11/02/99	U	10.0		1600	U	500	U	30	J	44	U	1000
	Mean		10.0		1625		480		30		44		938
	STD Dev		0.0		96		40		0		13		73
USGS-102	02/09/99	U	10.0		2400	U	500	J	9		53	U	1000
USGS-102	05/03/99		12.0		1900	J	76	J	3	U	30	J	360
USGS-102	07/27/99	U	10.0		2100	J	150	U	30	J	30	J	480
USGS-102	11/01/99	U	10.0		2100		890	U	30	J	27	J	570
	Mean		10.5		2125		404		18		35		603
	STD Dev		1.0		206		373		14		12		279

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Q = The reporting limit was elevated due to high analyte levels

Wa = Post digestion spike recovery fell between 40-85% due to matrix interference

2 = Results were obtained from the analysis of a dilution

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= No data is available.

Attachment 2 - Radionuclides - 1999 NRF Groundwater Data

Well Number	Date Sampled	SR-90	(2s) Total Error	CS-137	(2s) Total Error	Gross Alpha	(2s) Total Error	Gross Beta	(2s) Total Error	Tritium	(2s) Total Error
NRF-6	02/04/99	0.012	0.24	-0.144	0.72	3.810	1.80	5	1.6	102	20.9
NRF-6	05/03/99	0.123	0.25	-0.247	0.66	2.360	2.10	6	2.1	103	25.2
NRF-6	07/27/99	-0.026	0.17	-0.161	0.66	2.670	2.58	0	1.5	84	11.8
NRF-6	11/01/99	0.260	0.27	0.271	0.73	7.960	4.60	5	1.9	62	9.0
	Mean	0.092		-0.075		4.200		4.479		87.868	
	STD Dev	0.128		0.235		2.583		3		19	
NRF-7	02/04/99	0.114	0.22	-0.410	0.72	1.770	0.57	4	0.7	16	2.7
NRF-7	05/03/99	0.003	0.18	0.101	0.64	1.720	1.00	4	0.9	38	7.3
NRF-7	07/27/99	-0.001	0.17	0.248	0.68	1.680	1.00	2	0.6	9	2.1
NRF-7	11/01/99	0.256	0.28	-0.006	0.70	1.110	0.89	5	1.1	4	NA
	Mean	0.093		-0.017		1.570		3.663		16.548	
	STD Dev	0.121		0.282		0.309		1		15	
NRF-8	02/11/99	0.218	0.24	0.650	0.73	2.590	1.10	3	1.0	63	12.2
NRF-8	05/03/99	0.006	0.20	0.003	0.69	1.410	1.30	4	1.0	94	20.8
NRF-8	07/28/99	0.198	0.24	0.080	0.77	2.960	2.00	3	1.1	65	9.3
NRF-8	11/02/99	0.009	0.22	0.137	0.73	3.810	2.40	3	1.4	47	6.7
	Mean	0.108		0.268		2.693		3.300		67.325	
	STD Dev	0.116		0.392		0.996		1		20	
NRF-9	02/11/99	0.045	0.22	-0.114	0.71	4.320	1.60	5	1.3	102	20.3
NRF-9	05/04/99	0.004	0.20	-0.236	0.64	2.640	1.90	4	1.0	125	29.7
NRF-9	07/28/99	0.120	0.25	0.593	0.73	5.240	2.70	3	1.1	97	13.4
NRF-9	11/02/99	-0.009	0.24	-0.357	0.71	3.270	1.60	5	1.5	80	11.0
	Mean	0.040		-0.029		3.868		4.270		100.913	
	STD Dev	0.058		0.426		1.148		1		18	
NRF-10	02/11/99	0.256	0.23	-0.425	0.70	2.690	1.10	4	1.2	140	30.4
NRF-10	05/04/99	0.002	0.19	0.325	0.64	3.830	2.20	4	0.9	166	46.0
NRF-10	07/29/99	0.151	0.21	0.899	0.69	2.870	1.80	4	1.1	116	16.1
NRF-10	11/02/99	0.011	0.23	-0.071	0.73	2.070	1.90	4	1.4	108	14.6
	Mean	0.105		0.182		2.865		3.840		132.578	
	STD Dev	0.122		0.568		0.729		0		26	
NRF-11	02/11/99	0.084	0.23	-0.324	0.74	4.200	1.50	4	1.2	120	26.2
NRF-11	05/04/99	0.009	0.22	0.308	0.70	2.530	1.80	5	1.1	199	55.9
NRF-11	07/29/99	0.127	0.21	0.301	0.71	3.140	1.90	4	1.2	124	17.2
NRF-11	11/03/99	0.183	0.28	0.343	0.66	4.390	2.10	5	1.5	92	12.7
	Mean	0.101		0.157		3.565		4.370		133.765	
	STD Dev	0.074		0.321		0.882		1		46	
NRF-12	02/04/99	0.494	0.32	-0.159	0.71	4.400	1.30	4	0.9	76	14.5
NRF-12	05/05/99	0.008	0.21	-0.001	0.69	1.430	1.60	5	1.2	67	13.8
NRF-12	07/29/99	0.110	0.20	0.145	0.73	1.600	1.60	3	1.2	69	9.8
NRF-12	11/03/99	0.209	0.26	0.901	0.73	-0.343	0.23	4	1.2	56	8.1
	Mean	0.205		0.222		1.772		4.125		67.088	
	STD Dev	0.209		0.470		1.960		1		8	
NRF-13	02/11/99	0.014	0.21	0.042	0.64	3.910	1.60	5	1.3	59	10.8
NRF-13	05/05/99	-0.002	0.20	0.209	0.63	1.310	1.50	5	1.2	59	13.1
NRF-13	07/29/99	0.003	0.19	-0.082	0.68	3.700	2.40	5	1.3	49	7.1
NRF-13	11/03/99	-0.130	0.19	0.435	0.60	3.000	2.50	6	1.6	38	5.6
	Mean	-0.029		0.151		2.980		5.143		51.183	
	STD Dev	0.068		0.224		1.179		1		10	
USGS 12	02/11/99	0.165	0.23	0.291	0.70	3.360	1.20	3	1.2	82	16.5
USGS 12	05/05/99	0.005	0.26	0.105	0.68	3.760	2.00	2	0.8		52.5
USGS 12	07/29/99	0.172	0.23	0.010	0.70	1.710	1.30	3	0.9	75	10.5
USGS 12	11/03/99	-0.009	0.21	0.443	0.68	2.110	1.60	3	1.0	62	8.7
	Mean	0.083		0.212		2.735		3.073		72.817	
	STD Dev	0.099		0.193		0.980		1		10	
USGS 97	02/09/99	0.215	0.24	0.039	0.72	2.750	1.20	3	1.2	64	12.4
USGS 97	05/04/99	0.003	0.20	0.244	0.65	3.950	2.20	4	1.0	80	16.8
USGS 97	07/28/99	0.003	0.20	-0.361	0.71	3.060	1.90	4	1.1	56	8.2
USGS 97	11/02/99	-0.036	0.20	0.437	0.79	1.680	1.70	3	1.1	44	6.5
	Mean	0.046		0.090		2.860		3.513		61.118	
	STD Dev	0.114		0.342		0.937		1		15	
USGS 98	02/09/99	0.166	0.22	0.069	0.75	2.340	0.95	3	0.9	27	4.8
USGS 98	05/04/99	0.006	0.22	-0.435	0.79	2.190	1.40	3	0.8	29	5.8
USGS 98	07/28/99	0.092	0.17	-0.104	0.71	2.140	1.40	2	0.8	27	4.2
USGS 98	11/02/99	0.308	0.26	-0.166	0.73	1.150	1.20	3	1.0	11	2.3
	Mean	0.143		-0.159		1.955		2.645		23.568	
	STD Dev	0.128		0.209		0.543		1		9	
USGS 99	02/09/99	-0.045	0.21	-0.610	0.66	2.640	1.10	2	0.8	38	6.9
USGS 99	05/04/99	0.169	0.22	0.746	0.69	2.950	1.80	3	0.8	40	8.4
USGS 99	07/28/99	-0.079	0.20	-0.528	0.70	3.230	1.80	3	1.0	37	5.5
USGS 99	11/02/99	-0.049	0.20	0.407	0.70	4.050	2.40	3	1.2	23	3.5
	Mean	-0.001		0.004		3.218		2.728		34.515	
	STD Dev	0.114		0.677		0.605		0		8	
USGS-102	02/09/99	0.151	0.23	0.347	0.71	1.790	1.00	4	1.0	66	12.9
USGS-102	05/03/99	0.243	0.23	-0.525	0.75	2.260	1.60	4	1.0	95	22.5
USGS-102	07/27/99	0.077	0.26	0.341	0.71	3.730	2.10	2	1.0	60	8.6
USGS-102	11/01/99	-0.007	0.25	0.042	0.76	3.400	2.20	2	1.0	47	6.5
	Mean	0.116		0.051		2.795		3.113		67.183	
	STD Dev	0.106		0.410		0.920		1		20	

B = Compound is also detected in the blank.

J = Result is detected below the reporting limit or is an estimted concentration.

S = Sample diluted due to the concentration of target analytes.

U = The MDL was raised to accomodate the detection of constituents in blank

Q = The reporting limit was elevated due to high analyte levels

Wa = Post digestion spike recovery fell between 40-85% due to matrix interference

D = Results were obtained from the analysis of a dilution

Less than MDL

Results exceed 3 (s) and are considered outliers.

Results Results are exceptionally high, however, random variation in data accounts for descrepency

Results Results were rejected by the data validator, however, they were consistent with past results

J At least one qualifier added by data validator to data otherwise not qualified by the laboratory

No data is available.

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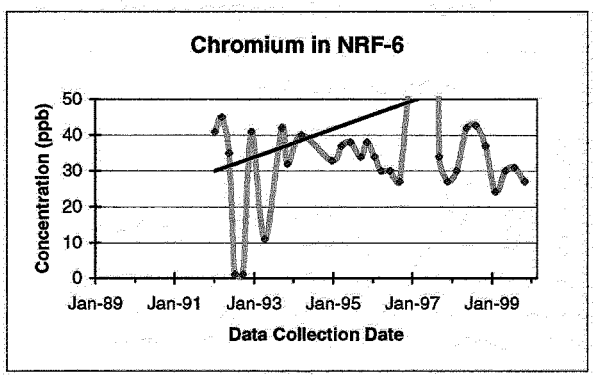
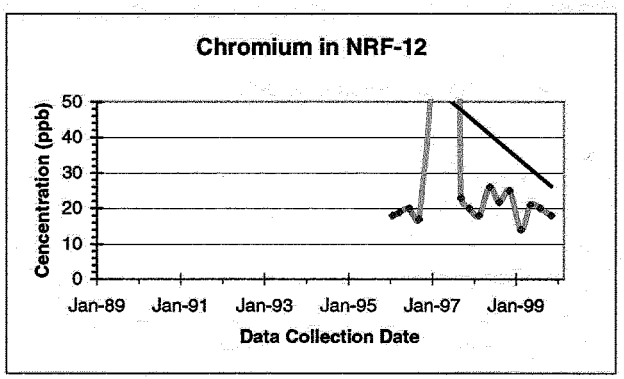
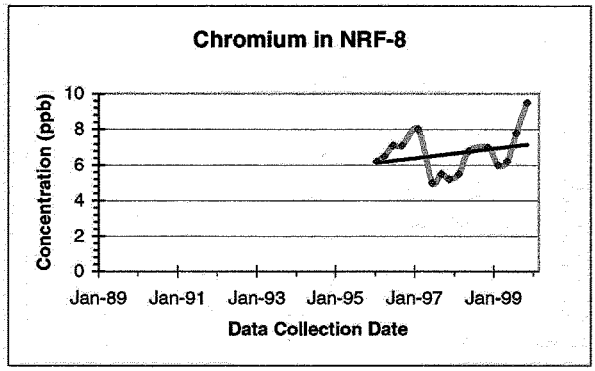
Attachment 3

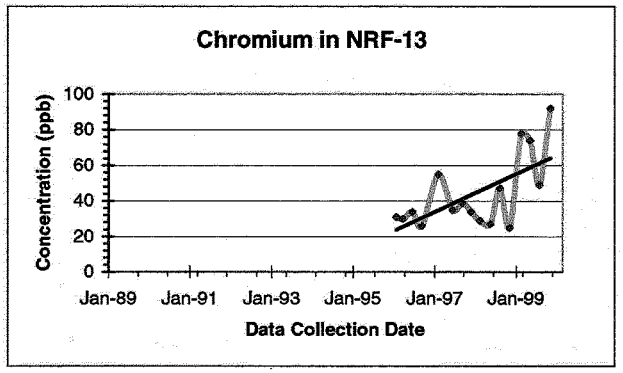
Aquifer Chromium Graphs

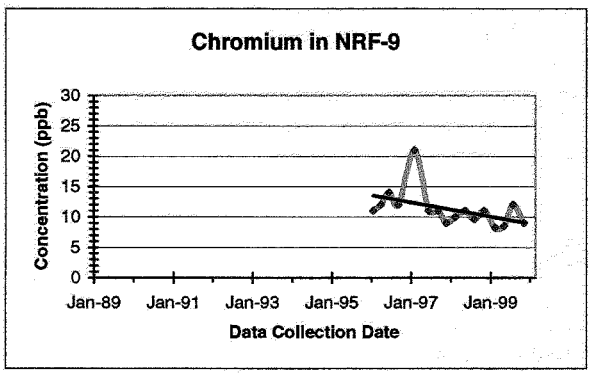
Attachment 3 Chromium Concentrations in NRF Groundwater, by Well

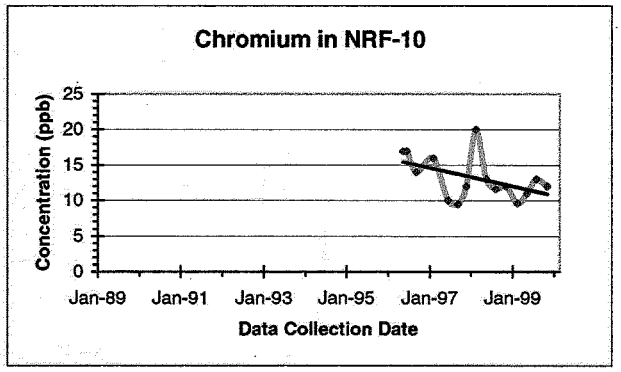


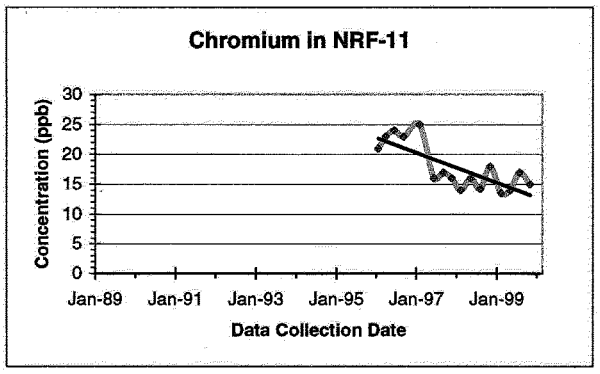


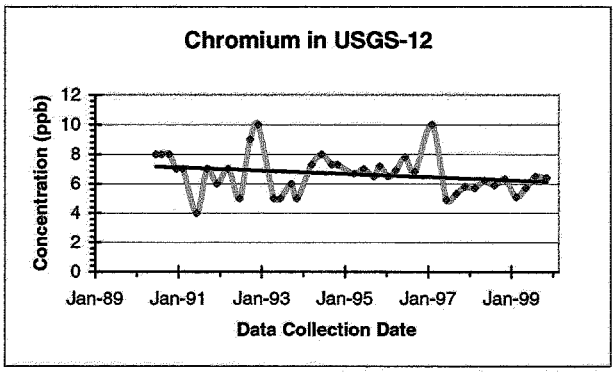




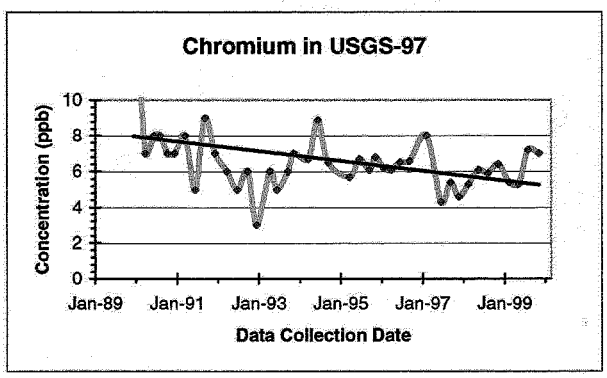


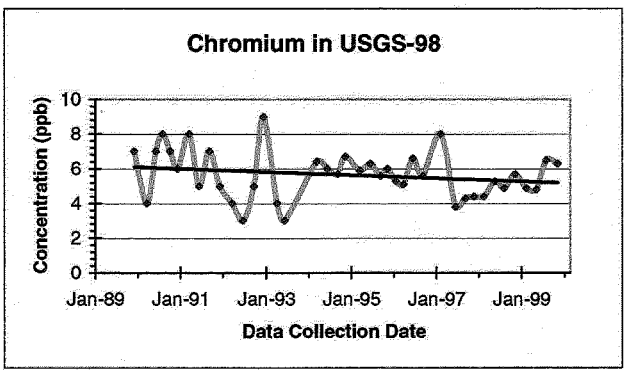


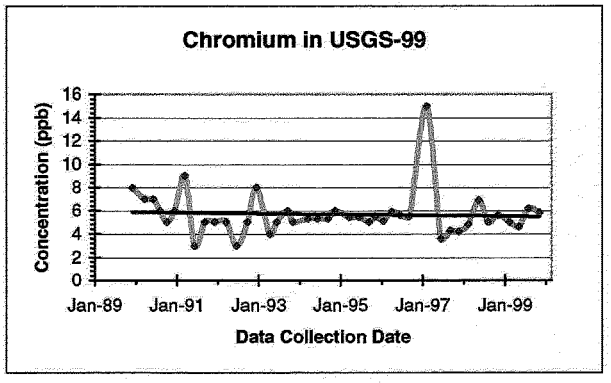


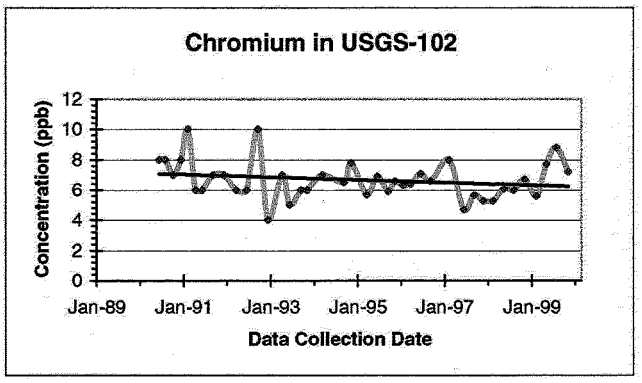


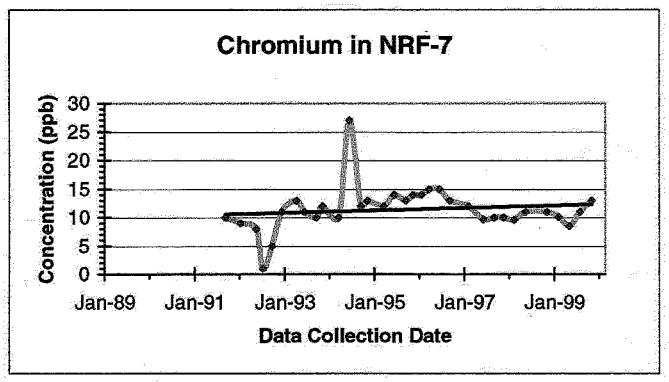
Attachment 3 Chromium Concentrations in NRF Groundwater, by Well







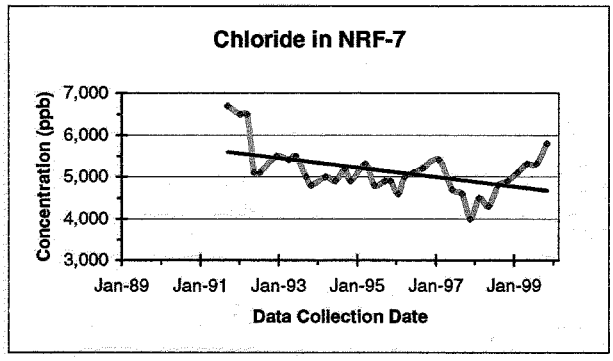


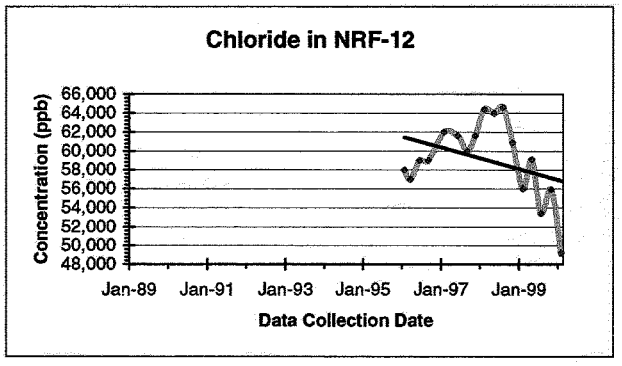


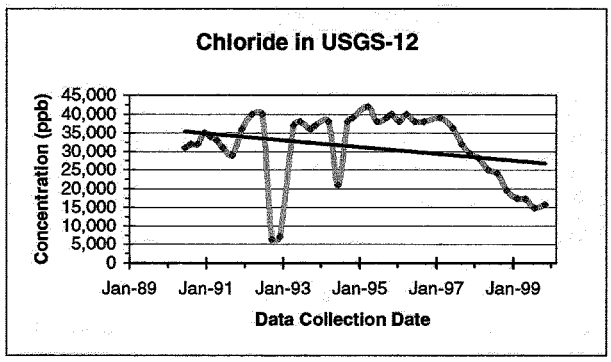
Attachment 4

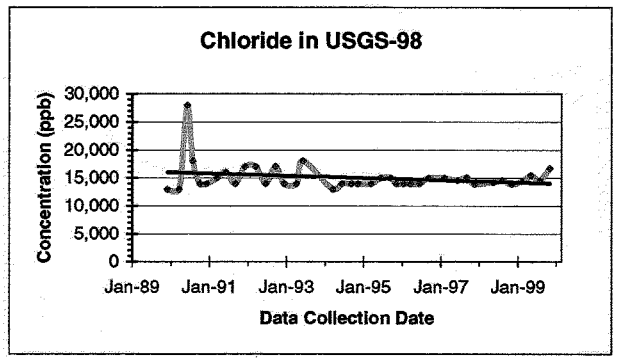
Aquifer Chloride Graphs

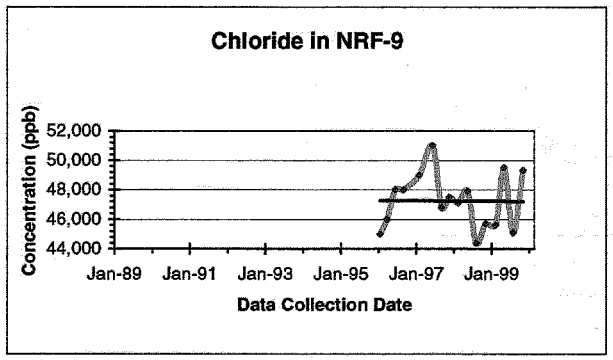
Attachment 4 Chloride Concentrations in NRF Groundwater, by Well

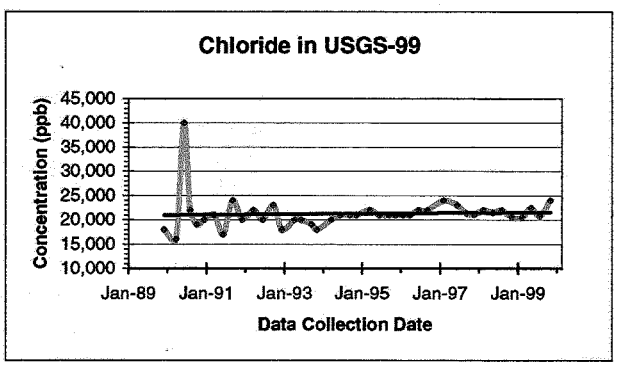


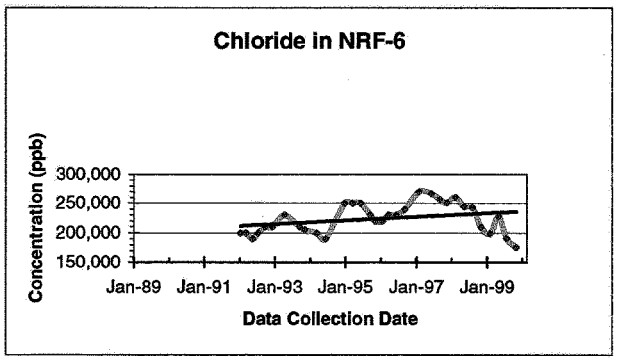


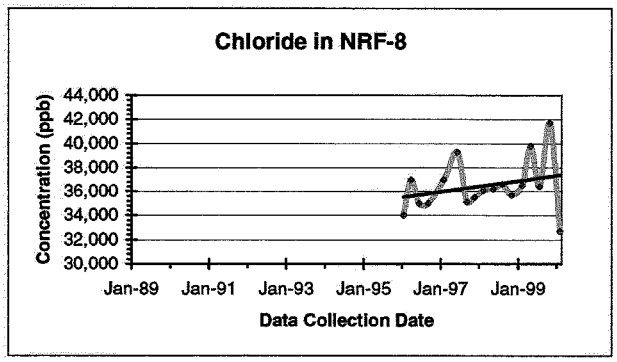




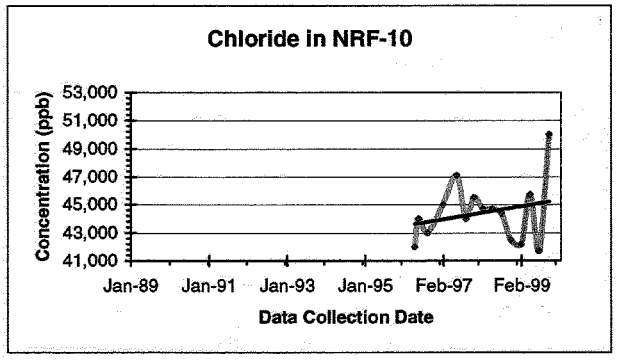


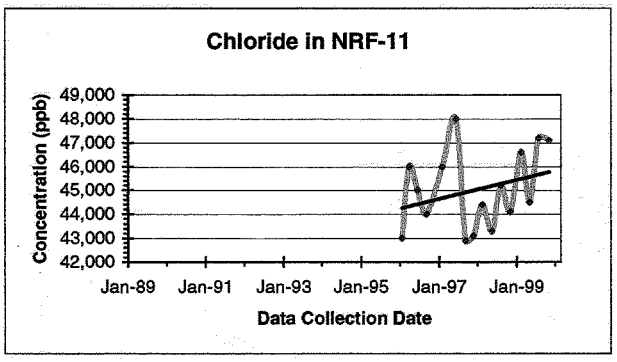


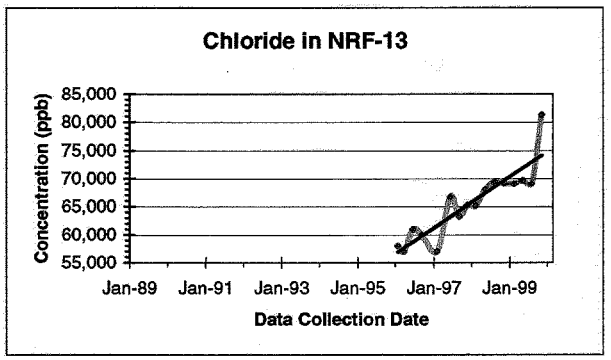


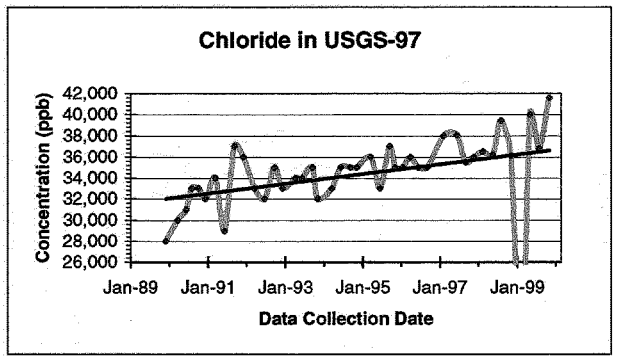


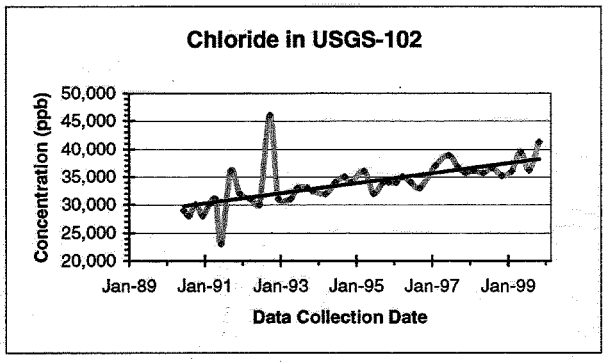
Attachment 4 Chloride Concentrations in NRF Groundwater, by Well







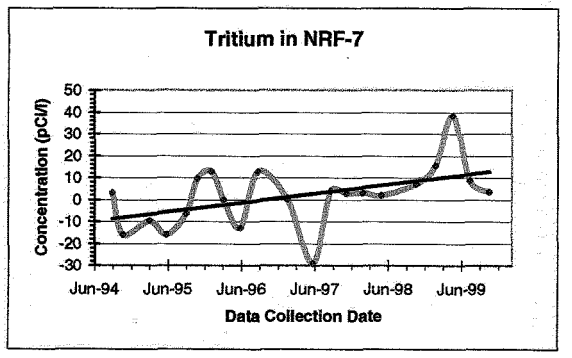


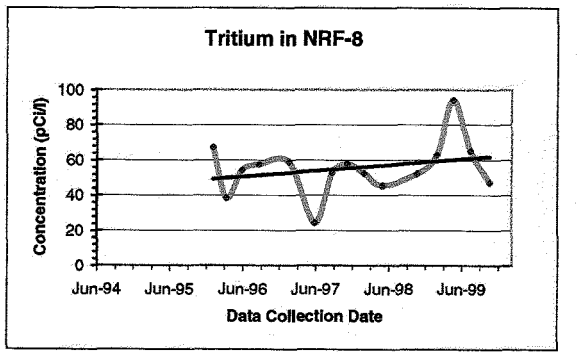


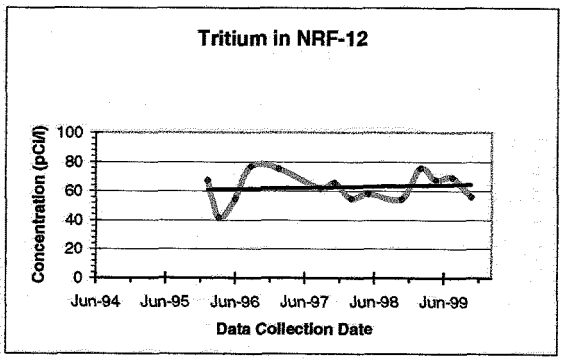
Attachment 5

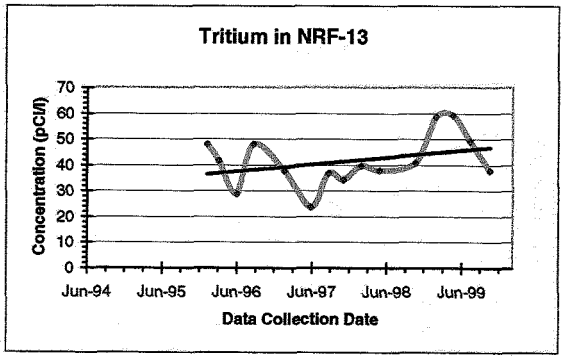
Aquifer Tritium Graphs

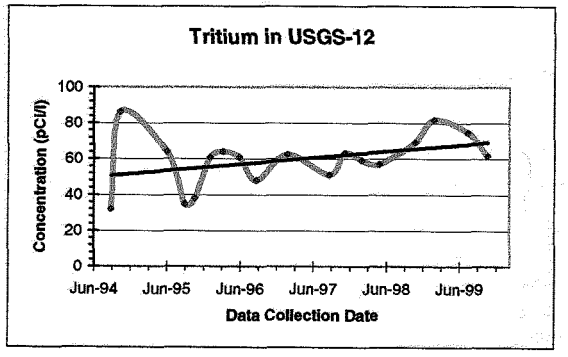
Attachment 5 Tritium Activity in NRF Groundwater, by Well

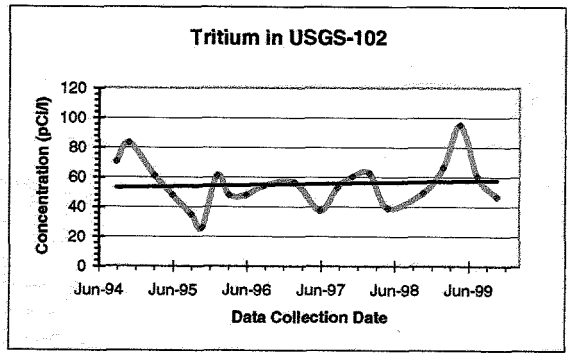


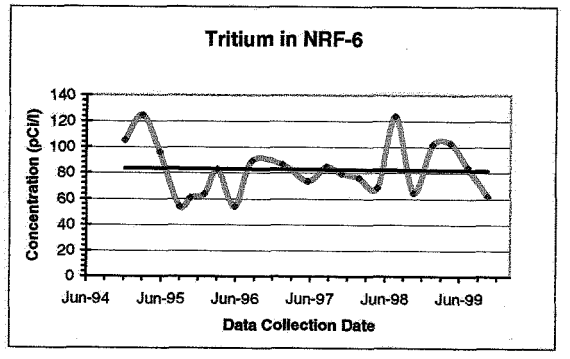


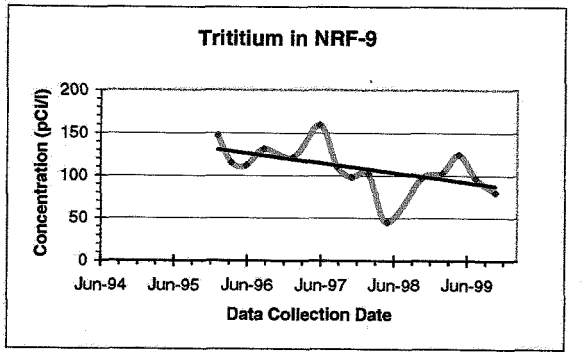




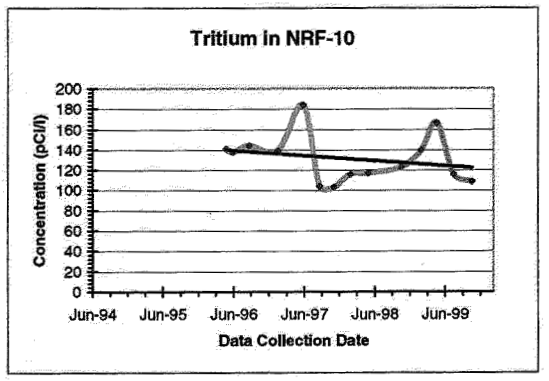


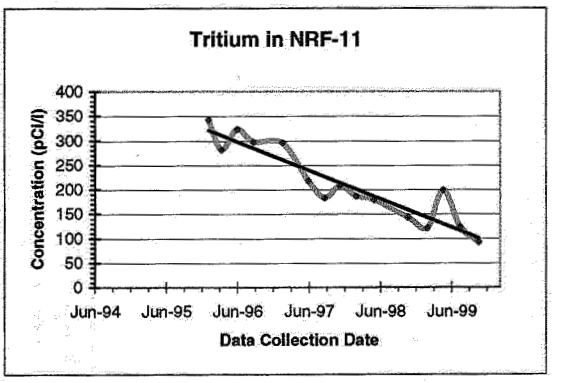


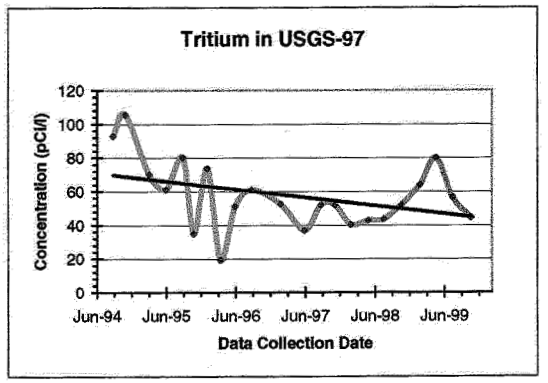


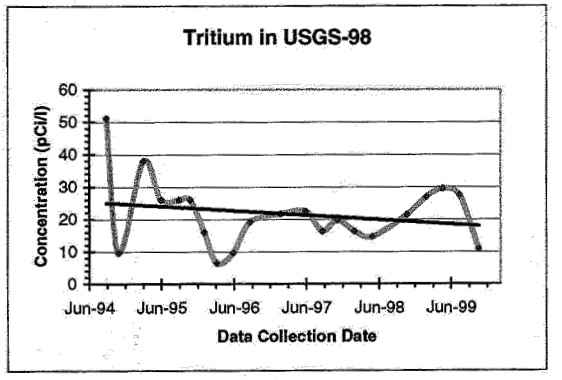


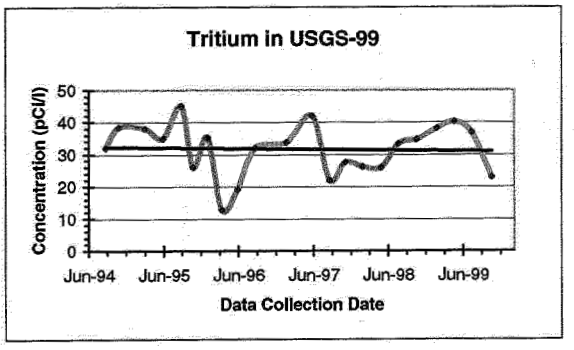
Attachment 5 Tritium Activity in NRF Groundwater, by Well







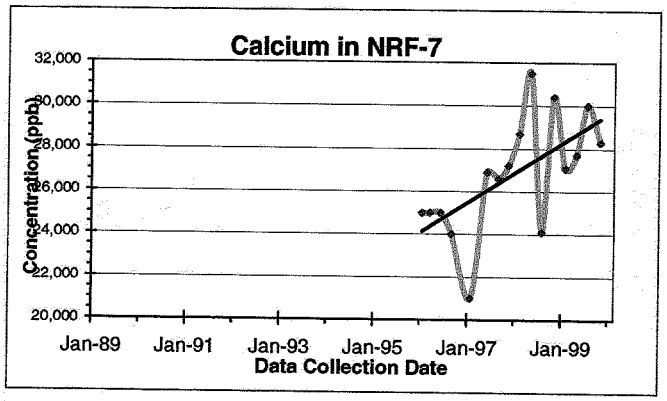


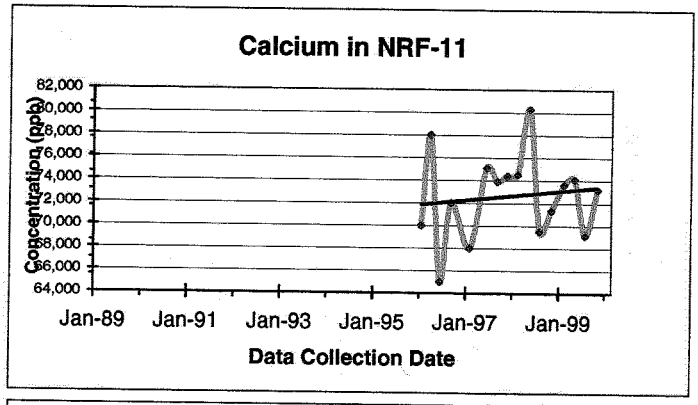


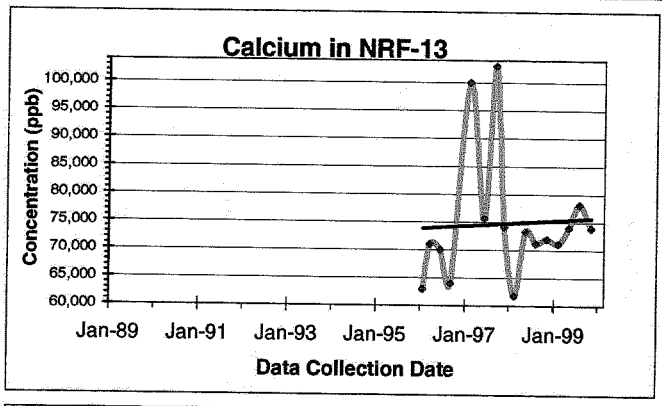
Attachment 6

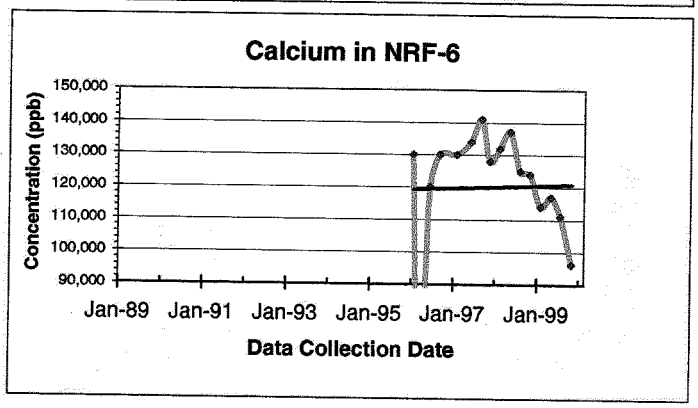
Aquifer Calcium Graphs

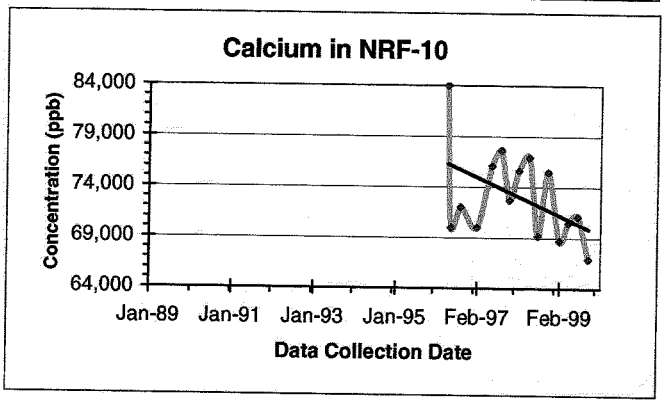
Attachment 6 Calcium Concentrations in NRF Groundwater, by Well

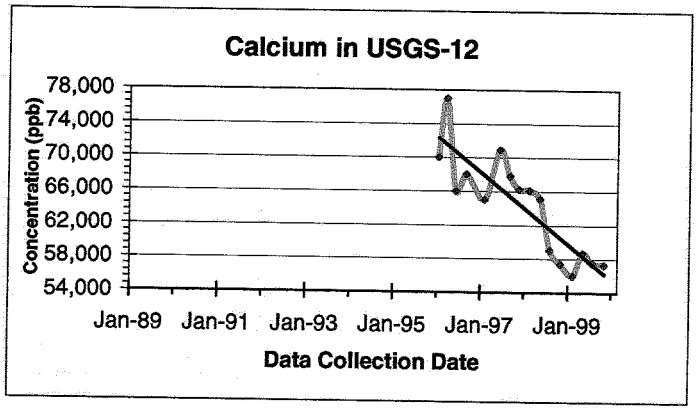


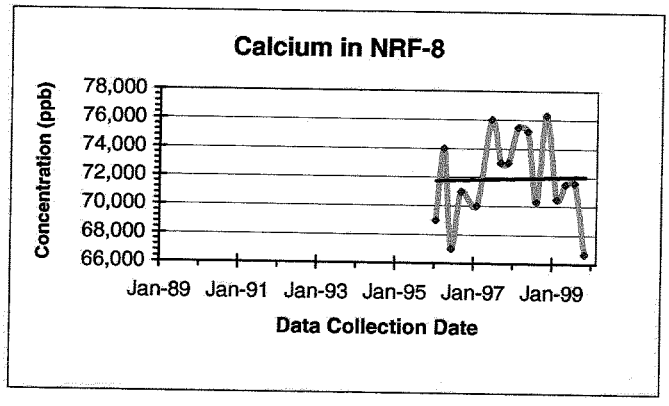


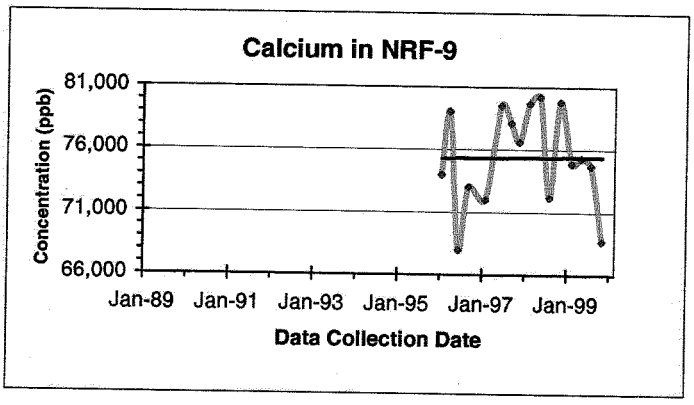




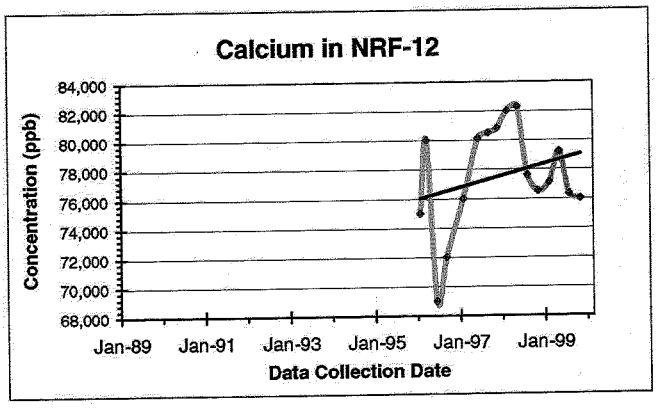


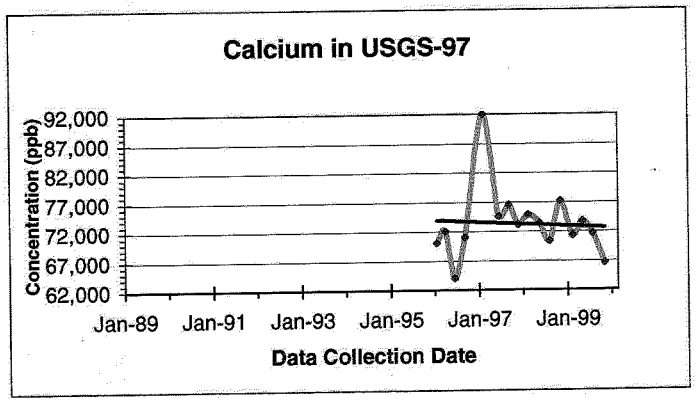


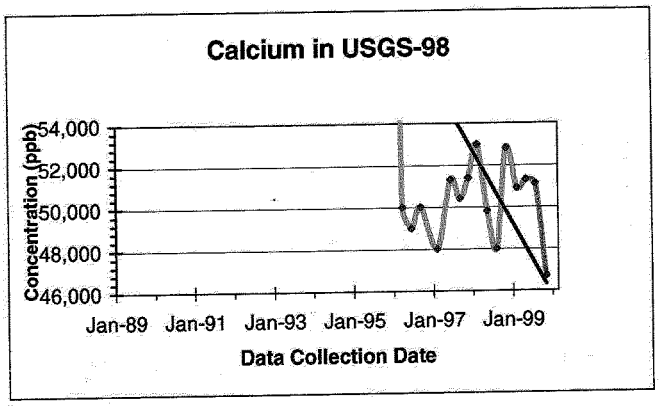


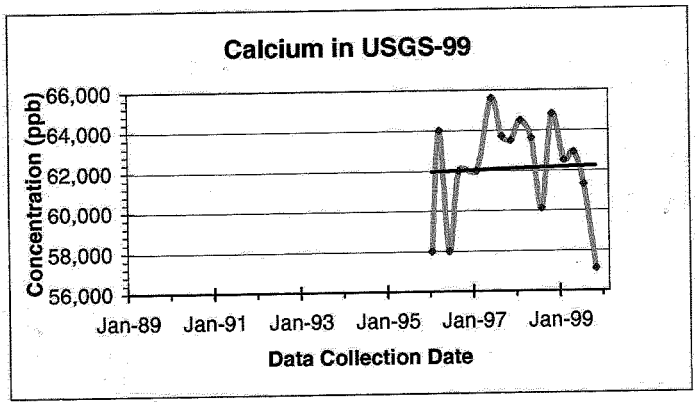


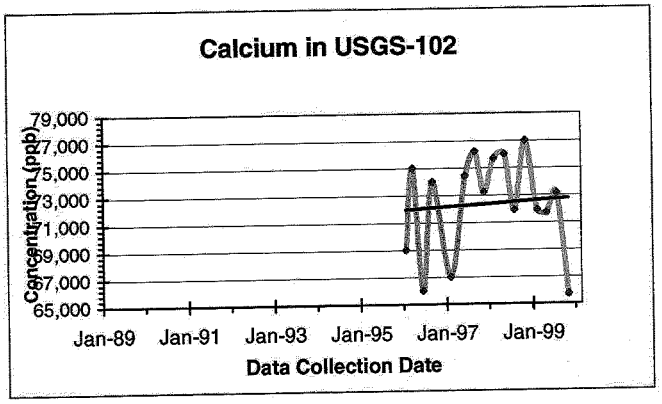
Attachment 6 Calcium Concentrations in NRF Groundwater, by Well











Attachment 7

Comparison of Groundwater Monitoring

Data From 1996, 1997, 1998 and 1999

Attachment 7 Multi-Year Comparison of Selected Values for 1996, 1997, 1998, and 1999

	1996		1997		1998		1999	
	Mean	Stdev.	Mean	Stdev.	Mean	Stdev.	Mean	Stdev.
pH								
NRF-6	7.75	0.25	7.86	0.02	7.94	0.04	7.93	0.11
NRF-7	8.25	0.23	8.39	0.17	8.31	0.13	8.19	0.17
NRF-8	7.87	0.19	7.90	0.03	7.96	0.03	8.00	0.09
NRF-9	7.82	0.30	7.91	0.03	7.98	0.02	7.94	0.10
NRF-10	7.87	0.28	7.87	0.16	8.01	0.04	7.99	0.07
NRF-11	7.89	0.15	7.86	0.15	7.97	0.04	7.96	0.07
NRF-12	7.92	0.09	7.91	0.03	7.94	0.04	7.90	0.07
NRF-13	8.35	0.14	8.28	0.07	8.16	0.12	7.94	0.04
USGS-12	7.77	0.23	7.83	0.04	7.88	0.10	7.87	0.11
USGS-97	7.81	0.29	7.92	0.05	7.96	0.05	7.90	0.08
USGS-98	7.90	0.06	7.93	0.09	7.94	0.15	7.61	0.41
USGS-99	7.79	0.26	7.92	0.02	7.98	0.08	7.92	0.11
USGS-102	7.85	0.24	7.95	0.08	8.00	0.04	7.955	0.12
Sp. Cond.								
NRF-6	1465	17	1453	34	1427	61	1229	86
NRF-7	246	7	231	14	255	11	260	3
NRF-8	579	24	570	21	603	2	599	4
NRF-9	639	10	626	48	646	2	632	7
NRF-10	607	12	594	32	613	2	597	5
NRF-11	627	8	581	91	629	6	631	5
NRF-12	683	1	666	44	711	2	681	15
NRF-13	514	25	464	54	585	28	611	22
USGS-12	601	6	505	68	524	16	478	9
USGS-97	598	4	505	68	614	2	611	4
USGS-98	435	6	410	17	437	3	440	2
USGS-99	532	5	491	58	534	2	529	2
USGS-102	590	8	555	19	604	1	599	5
Chromium								
NRF-6	30.3	2.9	139.0	176.7	38.0	5.9	28.1	3.1
NRF-7	14.3	1.0	10.4	1.1	10.8	0.8	10.7	1.9
NRF-8	6.7	0.5	5.9	1.4	7.7	2.7	7.4	1.6
NRF-9	12.3	1.3	13.0	5.4	10.4	0.7	9.4	1.7
NRF-10	16.0	1.7	11.9	3.0	14.2	3.9	11.4	1.5
NRF-11	22.8	1.3	18.5	4.4	15.6	1.9	14.9	1.5
NRF-12	18.5	1.3	121.0	161.8	22.7	3.6	18.3	3.1
NRF-13	30.3	3.3	40.8	9.7	32.1	10.2	73.3	17.9
USGS-12	7.0	0.6	6.5	2.4	6.0	0.3	5.9	0.7
USGS-97	6.4	0.2	5.6	1.7	5.9	0.5	6.2	1.0
USGS-98	5.7	0.7	5.1	1.9	5.1	0.6	5.6	0.9
USGS-99	5.5	0.3	6.8	5.5	5.6	0.9	5.4	0.7
USGS-102	6.6	0.4	5.9	1.4	6.0	0.6	7.3	1.3

	1996		1997		1998		1999	
	Mean	Stdev.	Mean	Stdev.	Mean	Stdev.	Mean	Stdev.
Calcium								
NRF-6	108000	37630	133250	5737	129500	6137	109575	9183
NRF-7	24750	500	25425	2960	28675	3260	28275	1250
NRF-8	70250	2986	73000	2449	74325	2723	70075	2304
NRF-9	73500	4509	76550	3256	77975	3856	73400	3143
NRF-10	75333	7572	74100	3417	74300	3459	69300	1897
NRF-11	71250	5377	72850	3271	73900	4741	72500	2296
NRF-12	74000	4690	79350	2252	79600	2981	77150	1443
NRF-13	67000	4082	88175	15447	69550	5240	74275	2883
USGS-12	70250	4787	67475	2555	61900	4341	57375	1106
USGS-97	69250	3594	79050	8745	73900	2844	70800	2997
USGS-98	60250	21172	50275	1582	50900	2425	50000	2206
USGS-99	60500	3000	63700	1476	63250	2161	60950	2655
USGS-102	71000	4243	72700	3995	75150	2237	70600	3325
Chloride								
NRF-6	230000	8165	261250	8808	239500	21871	198500	21856
NRF-7	4975	263	4675	574	4625	275	5375	299
NRF-8	35250	1258	36725	1902	36150	370	38600	2601
NRF-9	46750	1500	48575	1859	46275	1546	47375	2349
NRF-10	43000	1000	45400	1294	44075	1059	44900	3838
NRF-11	44500	1291	45000	2451	44250	785	46350	1261
NRF-12	58250	957	61300	887	63475	1735	56100	2334
NRF-13	59000	1826	63075	4284	67925	1914	72200	6007
USGS-12	38500	1000	34200	4258	24250	3549	16350	1212
USGS-97	35250	500	36900	1344	37050	1576	33200	12691
USGS-98	14250	500	14650	545	14350	370	15250	1066
USGS-99	21500	577	22375	1367	21525	660	21925	1615
USGS-102	34000	816	37100	1329	35900	594	38225	2551
NO2 + NO3								
NRF-6	1850	100	1875	96	1725	189	1442.5	650
NRF-7	480	18	573	148	498	62	532.5	90
NRF-8	1950	58	2100	141	2125	171	2175	126
NRF-9	2275	96	2350	129	2250	173	2200	141
NRF-10	1833	58	1950	173	1950	129	1900	141
NRF-11	1950	58	2150	173	2175	171	2175	96
NRF-12	2025	96	2150	100	2200	183	2075	50
NRF-13	775	35	858	103	890	153	855	47
USGS-12	2125	96	1950	191	1450	129	967.5	116
USGS-97	2100	82	2250	129	2225	171	2275	96
USGS-98	1150	58	1300	141	1300	183	1115	114
USGS-99	1650	58	1800	141	1725	206	1625	96
USGS-102	2050	58	2225	96	2075	126	2125	206

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Attachment 8

Average Maximum Temperature;

Average Minimum Temperature;

Average Temperature; and,

Precipitation amounts since January 1972.

Attachment 8 - Climatic Condition at CFA 1972 to 2000				
Date	Average Max Temp	Average Min Temp	Average Temp	Total Monthly Precipitation
01-Jan-72	23.4	2.2	12.8	0.48
01-Feb-72	32.3	9.7	21.3	0.09
31-Mar-72	51.5	23.4	37.5	0.25
30-Apr-72	55.4	25.4	40.4	0.35
01-May-72	68.8	33.6	51.2	0.66
01-Jun-72	78.1	44.8	61.4	1.41
01-Jul-72	84.5	47.7	66.1	0.34
01-Aug-72	85.9	48.2	67	0.78
01-Sep-72	68.8	34.3	51.5	0.48
01-Oct-72	58.8	29.6	44.2	0.75
01-Nov-72	39.3	21.9	30.6	0.75
01-Dec-72	22.3	-2.2	10	1.08
01-Jan-73	22.4	-4.5	9	0.69
01-Feb-73	28.4	2.4	15.4	0.76
01-Mar-73	37.7	16	26.8	0.75
01-Apr-73	52.7	26.1	39.4	0.41
01-May-73	68.9	33.5	51.2	0.50
01-Jun-73	76.4	41.9	59.2	1.04
01-Jul-73	84.9	48.5	66.7	1.70
01-Aug-73	84.6	48.1	56.4	0.33
01-Sep-73	70.7	37.7	54.2	1.09
01-Oct-73	62.3	29.5	45.9	0.62
01-Nov-73	40.7	23	31.9	1.30
01-Dec-73	32.4	11.4	21.9	1.18
01-Jan-74	27.1	5.3	16.7	0.66
01-Feb-74	35.5	11.3	23.4	0.36
01-Mar-74	44.5	24.6	34.5	1.44
01-Apr-74	56.4	28.3	42.4	0.35
01-May-74	66.1	33.8	49.9	0.72
01-Jun-74	84.5	44.8	64.7	0.49
01-Jul-74	89.6	48.7	69.1	0.03
01-Aug-74	83.9	46.3	55.1	0.71
01-Sep-74	77.3	36.1	56.7	0.01
01-Oct-74	61.3	28.5	44.9	1.34
01-Nov-74	43.2	21.9	32.6	0.42
01-Dec-74	30.1	9.2	19.6	1.19
01-Jan-75	25.2	-1.7	11.8	0.00
01-Feb-75	29.6	4.2	16.9	0.00
01-Mar-75	37.7	21.4	29.5	0.00
01-Apr-75	46.1	26.4	36.2	0.00
01-May-75	60.9	34.3	47.6	0.00
01-Jun-75	71.9	42.3	57.1	0.00
01-Jul-75	88.7	53.1	70.9	0.00
01-Aug-75	82.4	44.3	63.3	0.14
01-Sep-75	77.8	34.4	56.1	0.00
01-Oct-75	56.7	28.5	42.6	1.16

Attachment 8 - Climatic Condition at CFA 1972 to 2000				
Date	Average Max Temp	Average Min Temp	Average Temp	Total Monthly Precipitation
01-Nov-75	40.5	14.9	27.7	0.50
01-Dec-75	35.4	17.6	26.5	0.16
01-Jan-76	29.6	8.8	19.2	0.45
01-Feb-76	34.3	9.3	21.8	0.88
01-Mar-76	39.2	15.7	27.5	0.50
01-Apr-76	53.4	28	40.7	1.66
01-May-76	69	37.7	53.4	1.00
01-Jun-76	75.3	41.3	58.3	0.79
01-Jul-76	88.9	51.2	70	0.18
01-Aug-76	81.3	47.3	64.3	0.82
01-Sep-76	76.1	41	58.6	0.96
01-Oct-76	61.1	24.4	42.7	0.51
01-Nov-76	48.4	15.4	31.9	0.00
01-Dec-76	36.7	4.6	20.7	0.05
01-Jan-77	24.7	-1.5	11.6	0.60
01-Feb-77	38.8	7.8	23.3	0.16
01-Mar-77	44	18.2	31.1	0.32
01-Apr-77	64.7	26.3	45.5	0.00
01-May-77	61.6	33.5	47.5	1.55
01-Jun-77	83.3	48.5	65.9	1.07
01-Jul-77	86.4	50.4	68.4	0.45
01-Aug-77	84.5	46.7	65.6	0.25
01-Sep-77	73.9	37.3	55.6	0.31
01-Oct-77	63.9	24.5	44.2	0.00
01-Nov-77	42.5	15.6	29	0.70
01-Dec-77	33.4	14.6	24	0.97
01-Jan-78	31.5	10.7	21.1	1.00
01-Feb-78	31.4	12.4	21.9	0.85
01-Mar-78	45.9	21.2	33.5	0.66
01-Apr-78	53.4	31.6	42.5	1.32
01-May-78	61.8	35.2	48.5	0.74
01-Jun-78	75.3	40.4	57.9	0.26
01-Jul-78	85.5	46.5	66	0.42
01-Aug-78	82.3	43	62.6	0.17
01-Sep-78	70.1	37.5	53.8	0.96
01-Oct-78	65.2	24.1	44.6	0.09
01-Nov-78	38.9	14.2	26.5	0.48
01-Dec-78	24.5	-0.4	12	0.44
01-Jan-79	19.5	-3.7	7.9	0.92
01-Feb-79	32.3	9.3	20.8	0.80
01-Mar-79	42.5	19.5	31	0.79
01-Apr-79	57	26.3	41.6	0.06
01-May-79	68.2	37.6	52.9	1.41
01-Jun-79	79.4	42.8	51.1	0.39
01-Jul-79	87.5	48.3	67.9	1.33
01-Aug-79	82.3	49.2	65.8	0.90

Attachment 8 - Climatic Condition at CFA 1972 to 2000				
Date	Average Max Temp	Average Min Temp	Average Temp	Total Monthly Precipitation
01-Sep-79	81.2	37.3	59.2	0.06
01-Oct-79	63.6	29.1	46.4	0.65
01-Nov-79	38.6	11.2	24.9	0.60
01-Dec-79	33.9	9.9	21.9	0.18
01-Jan-80	27.2	9.9	18.6	0.91
01-Feb-80	39.5	18.8	29.1	0.84
01-Mar-80	44.5	22.7	33.6	0.24
01-Apr-80	61.5	28.8	45.2	0.48
01-May-80	62.9	39.3	51.1	2.24
01-Jun-80	73.7	42.2	57.9	1.26
01-Jul-80	86.4	47.8	67.1	0.59
01-Aug-80	80.9	45.1	63	0.35
01-Sep-80	73	39.1	56.1	1.52
01-Oct-80	61.5	24.9	43.2	0.52
01-Nov-80	44.3	18.3	31.3	0.20
01-Dec-80	36.9	16.9	26.9	0.73
01-Jan-81	37.9	13.6	25.8	0.61
01-Feb-81	36	11.4	23.7	0.69
01-Mar-81	50.5	23.5	37	0.94
01-Apr-81	59.2	30.1	44.7	1.83
01-May-81	63	37.3	50.1	1.81
01-Jun-81	75.3	43.3	59.4	0.25
01-Jul-81	87.5	47.2	67.3	0.17
01-Aug-81	89.7	49	69.4	0.07
01-Sep-81	77.1	38.7	57.9	0.14
01-Oct-81	55.2	26.3	40.8	0.93
01-Nov-81	45.1	20	32.6	1.34
01-Dec-81	32.7	11.9	22.3	0.67
01-Jan-82	23.9	1.2	12.6	0.53
01-Feb-82	28.9	7.9	18.4	0.28
01-Mar-82	42.5	25	33.7	1.25
01-Apr-82	51.6	23.3	37.4	0.42
01-May-82	63.5	34.1	48.8	1.03
01-Jun-82	75	43	59	0.71
01-Jul-82	82.6	50.4	66.5	0.51
01-Aug-82	88	49.7	68.9	0.76
01-Sep-82	70.6	41.1	55.9	0.92
01-Oct-82	54.1	27.5	40.8	0.95
01-Nov-82	37.5	17.2	27.4	0.66
01-Dec-82	27.4	9.5	18.5	1.88
01-Jan-83	31.7	15.4	23.5	0.12
01-Feb-83	34.7	15.5	25.1	0.19
01-Mar-83	44.4	26.6	35.4	1.00
01-Apr-83	51.5	26.9	39.2	0.43
01-May-83	64.2	35.7	49.9	0.63
01-Jun-83	72.9	44	58.5	1.76

Attachment 8 - Climatic Condition at CFA 1972 to 2000				
Date	Average Max Temp	Average Min Temp	Average Temp	Total Monthly Precipitation
01-Jul-83	82.4	47.5	65	1.31
01-Aug-83	85.3	51.6	68.5	0.88
01-Sep-83	73.8	39.2	56.5	1.07
01-Oct-83	60.9	30.6	45.7	1.67
01-Nov-83	41.6	23.4	32.5	1.18
01-Dec-83	21.7	0.1	10.9	0.81
01-Jan-84	20.9	4.9	12.9	0.03
01-Feb-84	24	4.3	14.1	0.58
01-Mar-84	37.5	17.9	27.3	0.75
01-Apr-84	51.6	27	39.3	1.45
01-May-84	64.9	35	50	0.71
01-Jun-84	70.4	40.2	55.3	2.86
01-Jul-84	84.6	47.9	66.3	2.09
01-Aug-84	84.6	51.3	68	0.43
01-Sep-84	73.1	34.9	54	0.25
01-Oct-84	54.9	25.3	40.3	0.44
01-Nov-84	38.8	18.9	28.9	1.43
01-Dec-84	22.2	-3	9.6	0.26
01-Jan-85	20.2	-6.3	7	0.98
01-Feb-85	21.2	-7.1	7.1	0.50
01-Mar-85	32.2	4.5	18.4	0.76
01-Apr-85	59.8	28.9	44.3	0.06
01-May-85	69.7	37.7	53.7	0.91
01-Jun-85	79.5	45.7	62.6	0.40
01-Jul-85	90.2	53.6	71.9	2.29
01-Aug-85	82.7	45.3	64	0.02
01-Sep-85	64.9	37.4	51.2	1.67
01-Oct-85	56.8	24.9	40.9	0.28
01-Nov-85	30.8	9.8	20.3	1.07
01-Dec-85	20.8	-2.2	9.3	0.63
01-Jan-86	28.7	5.7	17.2	0.31
01-Feb-86	36.3	17.1	26.7	2.36
01-Mar-86	54.1	26.6	40.4	1.22
01-Apr-86	54.9	29	42	1.25
01-May-86	66.6	34.7	50.6	1.46
01-Jun-86	82.9	46	64.4	0.74
01-Jul-86	83	47.2	65.1	0.48
01-Aug-86	88.4	48.3	68.6	1.11
01-Sep-86	65.7	37.6	51.7	1.50
01-Oct-86	61.9	26.6	44.2	0.67
01-Nov-86	44.5	20.1	32.3	0.17
01-Dec-86	35.1	4.6	19.8	0.02
01-Jan-87	28.9	1.1	15	0.65
01-Feb-87	39.9	16.3	28.4	0.38
01-Mar-87	48.4	24.1	36.2	0.18
01-Apr-87	68.6	30	49.3	0.40

Attachment 8 - Climatic Condition at CFA 1972 to 2000				
Date	Average Max Temp	Average Min Temp	Average Temp	Total Monthly Precipitation
01-May-87	70.6	39.5	55.1	1.96
01-Jun-87	80.7	44.9	62.8	0.76
01-Jul-87	82.5	49	65	2.16
01-Aug-87	84.5	44.2	64.3	0.21
01-Sep-87	81.1	35.8	58.4	0.00
01-Oct-87	68.7	24.7	46.7	0.11
01-Nov-87	43.9	20.8	32.4	0.72
01-Dec-87	32.7	8.7	20.7	0.42
01-Jan-88	27.7	0.4	14.1	0.50
01-Feb-88	39.9	11.6	25.7	0.00
01-Mar-88	47.3	18.9	33.1	0.08
01-Apr-88	60.6	27.3	43.9	1.28
01-May-88	68.5	34.9	51.2	0.56
01-Jun-88	86.4	47.9	67.2	0.13
01-Jul-88	92.9	51.1	72	0.04
01-Aug-88	88.6	45.2	66.9	0.04
01-Sep-88	74.5	37.4	56.1	0.23
01-Oct-88	71.7	30.4	51	0.01
01-Nov-88	37.9	18.3	28.3	1.74
01-Dec-88	24.2	2.7	13.5	0.80
01-Jan-89	21.6	-4.3	8.9	0.31
01-Feb-89	25.2	0.3	12.9	0.38
01-Mar-89	40.9	22.4	31.6	0.62
01-Apr-89	61.7	30.5	46.8	0.31
01-May-89	67	34.5	50	0.75
01-Jun-89	77	41.8	59.2	1.21
01-Jul-89	92.4	51	71.7	0.32
01-Aug-89	82.1	45.6	63.9	0.41
01-Sep-89	77	38.1	57.6	1.86
01-Oct-89	58.9	30.4	44.6	0.29
01-Nov-89	45.7	16.5	31.1	0.45
01-Dec-89	32.2	4.4	18.3	0.04
01-Jan-90	32.9	11.2	22	1.05
01-Feb-90	32	7.7	19.9	0.15
01-Mar-90	51.6	25	38.3	0.19
01-Apr-90	64.1	33.1	48.6	0.97
01-May-90	66.1	37.2	51.7	1.28
01-Jun-90	78.9	43.5	61.2	0.86
01-Jul-90	89.1	52.1	70.6	0.59
01-Aug-90	86.1	48.7	67.4	0.68
01-Sep-90	82.3	42.3	62.3	0.05
01-Oct-90	60.7	26.5	43.6	0.25
01-Nov-90	45.3	16.4	30.8	0.18
01-Dec-90	21.2	-7.3	7	0.23
01-Jan-91	26.3	-2	12.1	0.05
01-Feb-91	46	16	31	0.00

Attachment 8 - Climatic Condition at CFA 1972 to 2000				
Date	Average Max Temp	Average Min Temp	Average Temp	Total Monthly Precipitation
01-Mar-91	47.3	22.1	34.7	1.18
01-Apr-91	55.8	28.9	42.4	0.51
01-May-91	63.7	37.3	50.5	2.03
01-Jun-91	76.3	44	60.1	1.15
01-Jul-91	90.5	49.4	70	0.53
01-Aug-91	89.9	50.8	70.4	0.78
01-Sep-91	76.7	40.7	58.7	1.08
01-Oct-91	62	26.6	44.3	0.52
01-Nov-91	36.9	17.1	27	0.73
01-Dec-91	32.5	7.5	20	0.00
01-Jan-92	33.1	6.1	19.6	0.01
01-Feb-92	45.8	21.3	33.6	0.45
01-Mar-92	56.8	26.2	41.5	0.28
01-Apr-92	65.7	30.7	48.2	0.06
01-May-92	77.7	39.4	58.5	0.31
01-Jun-92	81	48	64.5	1.53
01-Jul-92	85.4	48.5	66.9	0.25
01-Aug-92	88.4	47.4	67.9	0.07
01-Sep-92	76.2	36.3	56.2	0.58
01-Oct-92	65.5	30	47.7	0.33
01-Nov-92	35.7	12.5	24.1	0.47
01-Dec-92	24.3	0.9	12.6	1.16
01-Jan-93	22	-2.2	9.9	1.15
01-Feb-93	23	0.6	11.8	1.44
01-Mar-93	37.7	19.1	28.4	0.57
01-Apr-93	54	28.1	41	1.20
01-May-93	69.9	40.4	55.1	1.99
01-Jun-93	69.5	40.4	54.9	2.73
01-Jul-93	76.1	42	59.1	0.08
01-Aug-93	79.7	43.6	61.7	0.73
01-Sep-93	75.1	34.5	54.8	0.12
01-Oct-93	59.7	27.9	43.8	0.92
01-Nov-93	39	6.4	22.7	0.48
01-Dec-93	30.6	7.3	19	0.21
01-Jan-94	34.5	13.5	24	0.17
01-Feb-94	34.5	8.5	21.5	0.72
01-Mar-94	54.6	20.3	37.5	0.00
01-Apr-94	60.4	29.5	44.9	1.00
01-May-94	71.5	40.8	56.1	0.80
01-Jun-94	81.1	43	62	0.00
01-Jul-94	89.6	48.7	69.1	0.06
01-Aug-94	89.4	46.8	68.1	0.33
01-Sep-94	79.7	37.9	58.8	1.11
01-Oct-94	57.4	29.8	43.6	0.44
01-Nov-94	33.9	13.9	23.9	0.69
01-Dec-94	29.7	10	19.9	0.85

Attachment 8 - Climatic Condition at CFA 1972 to 2000				
Date	Average Max Temp	Average Min Temp	Average Temp	Total Monthly Precipitation
01-Jan-95	30.9	13	22	1.03
01-Feb-95	40.6	19.5	30	0.28
01-Mar-95	45.7	24.9	35.3	2.03
01-Apr-95	55.1	27.4	41.3	0.72
01-May-95	61.6	36	48.8	2.34
01-Jun-95	69.1	43.2	56.2	4.64
01-Jul-95	82.9	48	65.5	0.59
01-Aug-95	85.4	45.7	65.6	0.05
01-Sep-95	74.8	37.5	56.2	0.52
01-Oct-95	59.2	23.5	41.4	0.07
01-Nov-95	49	22	35.5	0.22
01-Dec-95	35.2	11.8	23.5	0.89
01-Jan-96	30	4.9	17.5	1.20
01-Feb-96	35.7	13.3	24.5	0.32
01-Mar-96	48.5	22.9	35.7	0.93
01-Apr-96	57.1	27.9	42.5	1.17
01-May-96	63	36.6	49.8	1.52
01-Jun-96	80.4	42.1	61.2	0.25
01-Jul-96	89.6	49.6	69.6	0.43
01-Aug-96	87.2	44.2	65.7	0.08
01-Sep-96	71.3	34.7	53	0.72
01-Oct-96	59.1	26.3	42.7	0.45
01-Nov-96	43.7	20.6	32.2	1.20
01-Dec-96	30.4	12.7	21.5	1.72
01-Jan-97	32.1	13.7	22.9	1.04
01-Feb-97	37.1	15.3	26.2	0.01
01-Mar-97	48.1	20.2	34.2	0.54
01-Apr-97	53.5	25	39.3	0.66
01-May-97	70.8	35.1	53	0.42
01-Jun-97	76.3	45.2	60.7	1.61
01-Jul-97	83.4	46.7	65.1	0.90
01-Aug-97	84.6	48.4	66.5	1.13
01-Sep-97	75	43.4	59.2	0.81
01-Oct-97	57.5	27.1	42.3	0.68
01-Nov-97	44.2	14.4	29.3	0.40
01-Dec-97	28.5	4.8	16.7	0.33
01-Jan-98	34.2	13.4	23.8	0.70
01-Feb-98	35.3	17.3	26.3	1.27
01-Mar-98	43	21.5	32.2	0.66
01-Apr-98	55.4	27.7	41.6	0.54
01-May-98	64.3	35.5	49.9	1.83
01-Jun-98	69.1	41.7	55.4	1.61
01-Jul-98	91	51.3	71.1	0.70
01-Aug-98	88.6	48.4	68.5	0.12
01-Sep-98	77.6	44.5	61.1	1.26
01-Oct-98	60.3	26	43.1	0.15

Attachment 8 - Climatic Condition at CFA 1972 to 2000				
Date	Average Max Temp	Average Min Temp	Average Temp	Total Monthly Precipitation
01-Nov-98	40.8	21.8	31.3	1.36
01-Dec-98	23.6	3.3	13.5	0.65
01-Jan-99	30.8	10.6	20.7	0.80
01-Feb-99	32.8	10.9	21.9	1.22
01-Mar-99	44.8	21.3	33	0.10
01-Apr-99	53.6	27.8	40.7	1.52
01-May-99	63.1	34.7	48.9	2.18
01-Jun-99	74.9	42.1	58.5	0.43
01-Jul-99	87	46.1	66.6	0.00
01-Aug-99	86.1	48.4	67.3	0.45
01-Sep-99	74.3	33	53.6	0.01
01-Oct-99	64.6	25	44.8	0.17
01-Nov-99	51.5	18.8	35.2	0.04
01-Dec-99	30.9	5.1	18	0.25
01-Jan-00	30.3	9.3	19.8	0.68
01-Feb-00	39.8	21	30.4	0.82
01-Mar-00	48.2	20.1	34.2	0.78
01-Apr-00	61.6	29.6	45.6	0.57
01-May-00	67.5	37.6	52.6	1.31