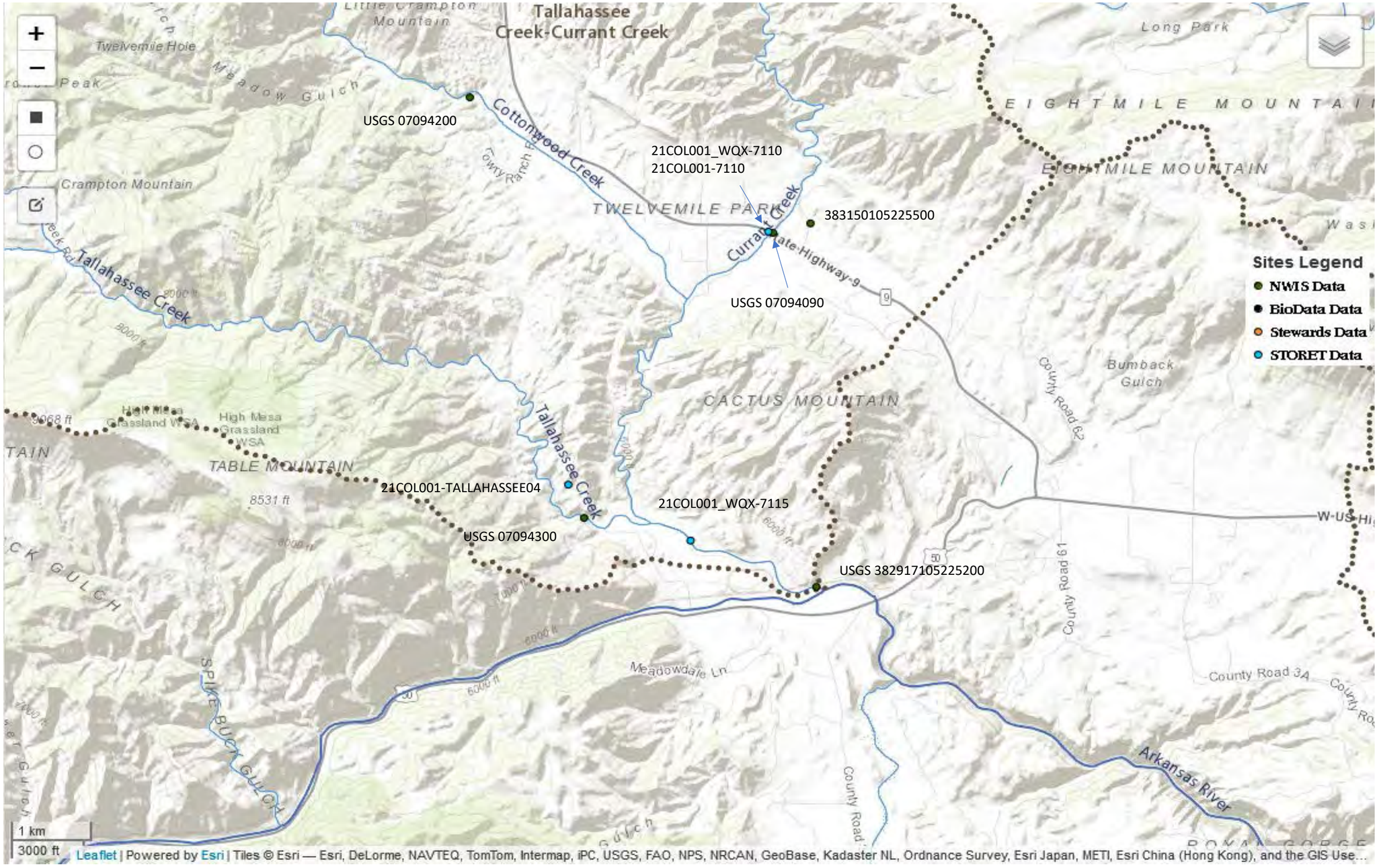
Appendix B

Water Resources Supporting Information


Tallahassee Creek-Currant Creek
USGS 07094200
21COL001_WQX-7110
21COL001-7110
383150105225500
USGS 07094090
21COL001-TALLAHASSEE04
21COL001_WQX-7115
USGS 07094300
USGS 382917105225200
Sites Legend
NWIS Data
BioData Data
Stewards Data
STORET Data
Twelvemile Hole
Meadow Gulch
Crampton Mountain
Cottonwood Creek
TWELVEMILE PARK
EIGHTMILE MOUNTAIN
Long Park
Currant Creek
Tallahassee Creek
CACTUS MOUNTAIN
TABLE MOUNTAIN
High Mesa Grassland WSA
Bumback Gulch
County Road 62
County Road 61
Meadowdale Ln
County Road 3A
Arkansas River
SPIKE BUCK GULCH
1 km
3000 ft
Leaflet | Powered by Esri | Tiles © Esri — Esri, DeLorme, NAVTEQ, TomTom, Intermap, iPC, USGS, FAO, NPS, NRCAN, GeoBase, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), and the GIS Use...

Station Information

Organization	Station ID	Location	Type	Latitude	Longitude	Coordinate Ref.	Elevation (ft)	Formation	Construction Date	Depth (ft)	Data Source
USGS	USGS-07094090	CURRANT CREEK AB COTTONWOOD CR NR PARKDALE, CO.	Stream	38.5294404	-105.388	NAD83	6160				NWIS
USGS	USGS-07094300	TALLAHASSEE CREEK AB CURRANT CR NR PARKDALE, CO.	Stream	38.4961076	-105.414	NAD83	5880				NWIS
USGS	USGS-382917105225200	TALLAHASSE CREEK NEAR PARKDALE, CO	Stream	38.4880522	-105.382	NAD83	5740				NWIS
USGS	USGS-383150105225500	SC01707130CCC	Well	38.5305514	-105.382	NAD83	6800	Dakota Sandstone	19680101	628	NWIS
CDPHE	21COL001-7110	CURRANT CK @ HWY 9	River/Stream	38.5295833	-105.388	NAD83					STORET
CDPHE	21COL001-7115	TALLAHASSEE CREEK NR MOUTH	River/Stream	38.4934666	-105.399	NAD83	5829				STORET
CDPHE	21COL001-TALLAHASSEE04	TALLAHASSEE CREEK	River/Stream	38.5	-105.417	UNKWN					STORET
CDPHE	21COL001_WQX-7110	CURRANT CK @ HWY 9	River/Stream	38.529583	-105.388	NAD83					STORET
CDPHE	21COL001_WQX-7115	TALLAHASSEE CREEK NR MOUTH	River/Stream	38.493467	-105.399	NAD83					STORET
USGS	USGS-07094200	COTTONWOOD CREEK AB SAND GULCH NR PARKDALE, CO.	Stream	38.5452734	-105.431	NAD83	6300				NWIS

Station Number			7094200	7094200	7094200	7094200	7094200	7094200
Date			**1/13/1981**	**5/1/1981**	**6/3/1981**	**6/17/1981**	**7/17/1981**	**8/4/1981**
Alkalinity Total	Total	mg/l CaCO3						
Alpha emitting radium isotopes	Dissolved	pCi/L	<0.1	<0.1		<0.1	<0.1	0.2
Alpha particle	Dissolved	pCi/L	29	33	29		26	12
Alpha particle	Dissolved	ug/l	43	49	43		38	18
Alpha particle	Suspended	pCi/L	1.2	<0.3	4.1	0.3	<0.3	0.6
Alpha particle	Suspended	ug/l	1.7	<0.4	6.1	0.4	<0.4	0.9
Arsenic	Dissolved	ug/l	2	1	2	1	1	1
Barium	Dissolved	ug/l	100	300	100	0	100	200
Beta particle	Dissolved	pCi/L	12	14	11	6.9	9.7	13
Beta particle	Dissolved	pCi/L	11	13	10	6.6	9.3	12
Beta particle	Suspended	pCi/L	3.2	0.5	6.7	0.4	0.9	2.4
Beta particle	Suspended	pCi/L	3	0.5	6.4	0.4	0.9	2.3
Cadmium	Dissolved	ug/l	0	0	0	<10	<10	<10
Carbon dioxide	Total	mg/l						
Chloride	Dissolved	mg/l	33	48	49	47	42	45
Chromium	Recoverable	ug/l	15	2	6	3	3	11
Gross-Uranium	Dissolved	ug/l	30.5	29	24	18	23	23
Hydrogen ion	Total	mg/l	<0.001	<0.001	0.00001	0.00001	0.00002	0.00001
Lead	Dissolved	ug/l	<100	0	0	<100	<100	<100
Oxygen	Dissolved	mg/l	12.1	7.1	7.4	7.1	6.7	7.1
pH	Total	std units	8.4	8.4	8.3	8.1	7.7	8
pH	Total	std units	8.2	8.4	8.4	7.8	8.4	8.4
Selenium	Dissolved	ug/l	1	1	0	0	0	0
Silver	Dissolved	ug/l	0	0	1	0	0	0
Specific conductance	Total	uS/cm @25C	771	756	754	788	765	795
Specific conductance	Total	uS/cm @25C		772	755	795	750	790
Stream flow, instantaneous		ft3/s	1.4	0.7	5	0.62	0.03	0.1
Stream flow, instantaneous		m3/sec	0.04	0.02	0.14	0.02	0	0
Sulfate	Dissolved	mg/l	69	60	59		77	23
Temperature, water		deg C	1.5	22	22	21	22	20

Station Number			7094200	7094200	7094200	7094200	7094200	7094200
Date			**8/10/1981**	**9/8/1981**	**2/11/1982**	**4/7/1982**	**5/20/1982**	**6/22/1982**
Alkalinity Total	Total	mg/l CaCO3	76					
Alpha emitting radium isotopes	Dissolved	pCi/L	0.7	0.1	<0.1	<0.1	0.1	<0.1
Alpha particle	Dissolved	pCi/L	8.8	18	26	25	24	20
Alpha particle	Dissolved	ug/l	13	27	38	37	35	29
Alpha particle	Suspended	pCi/L	7500	3.5	<0.3	<0.3	<0.3	1.3
Alpha particle	Suspended	ug/l	11000	5.1	<0.4	<0.4	<0.5	1.9
Arsenic	Dissolved	ug/l		1	1	1	1	1
Barium	Dissolved	ug/l	100	100	100	100	200	<100
Beta particle	Dissolved	pCi/L	13	16	9.1	16	<7.5	12
Beta particle	Dissolved	pCi/L	12	15	8.8	15	<7.2	11
Beta particle	Suspended	pCi/L	7600	6.9	1.3	0.8	3.8	2.6
Beta particle	Suspended	pCi/L	7400	6.5	1.4	0.8	3.6	2.5
Cadmium	Dissolved	ug/l	0	0	<10	<1	<1	<10
Carbon dioxide	Total	mg/l	4.7					
Chloride	Dissolved	mg/l	4.7	58	44	53	67	67
Chromium	Recoverable	ug/l	190	14	2	3	2	4
Gross-Uranium	Dissolved	ug/l	6.4	19	30	26	34	28
Hydrogen ion	Total	mg/l	0.00003	0.00001	0.00001	<0.001	0.00001	0.00001
Lead	Dissolved	ug/l	<100	<100	<1	<100	<1	<100
Oxygen	Dissolved	mg/l	8.1	6.4	9.2	8.3	8	6.8
pH	Total	std units	7.5	8.3	8.1	9	8.2	8.1
pH	Total	std units	7.2	8.7	8.5	8.6	8.6	8.7
Selenium	Dissolved	ug/l	0	0	1	1	1	<1
Silver	Dissolved	ug/l	0	0	1	<1	<1	<5
Specific conductance	Total	uS/cm @25C	215	826	754	750	835	868
Specific conductance	Total	uS/cm @25C				779	828	854
Stream flow, instantaneous		ft3/s	23	1.9	0.3	2	0.92	0.82
Stream flow, instantaneous		m3/sec	0.65	0.05	0.01	0.06	0.03	0.02
Sulfate	Dissolved	mg/l	20	<5	56	44	32	53
Temperature, water		deg C	9	20.5	3	13.5	20	19.5

Station Number			**7094200**
Date			**9/21/1982**
Alkalinity Total	Total	mg/l CaCO3	
Alpha emitting radium isotopes	Dissolved	pCi/L	0.2
Alpha particle	Dissolved	pCi/L	88
Alpha particle	Dissolved	ug/l	130
Alpha particle	Suspended	pCi/L	<0.3
Alpha particle	Suspended	ug/l	<0.4
Arsenic	Dissolved	ug/l	1
Barium	Dissolved	ug/l	100
Beta particle	Dissolved	pCi/L	33
Beta particle	Dissolved	pCi/L	32
Beta particle	Suspended	pCi/L	1
Beta particle	Suspended	pCi/L	1
Cadmium	Dissolved	ug/l	<1
Carbon dioxide	Total	mg/l	
Chloride	Dissolved	mg/l	71
Chromium	Recoverable	ug/l	<1
Gross-Uranium	Dissolved	ug/l	30
Hydrogen ion	Total	mg/l	0.00001
Lead	Dissolved	ug/l	<1
Oxygen	Dissolved	mg/l	7.2
pH	Total	std units	8.2
pH	Total	std units	8.6
Selenium	Dissolved	ug/l	<1
Silver	Dissolved	ug/l	<1
Specific conductance	Total	uS/cm @25C	872
Specific conductance	Total	uS/cm @25C	862
Stream flow, instantaneous		ft3/s	2.5
Stream flow, instantaneous		m3/sec	0.07
Sulfate	Dissolved	mg/l	43
Temperature, water		deg C	18

Station Number			7094090	7094090	7094090	7094090
Date			1/13/1981	5/1/1981	6/3/1981	6/17/1981
Alkalinity, total	Total	mg/l CaCO3				
Alpha emitting radium isotopes	Dissolved	pCi/L	<0.1	<0.1		0.1
Alpha particle	Dissolved	pCi/L	44	30	13	21
Alpha particle	Dissolved	ug/l	64	44	19	31
Alpha particle	Suspended	pCi/L	5	0.7	75	0.7
Alpha particle	Suspended	ug/l	7.3	1.1	110	1
Ammonia-nitrogen	Total					
Arsenic	Dissolved	ug/l	2	1	2	2
Barium	Dissolved	ug/l	100	200	10	100
Beta particle	Dissolved	pCi/L	9.1	9.7	11	11
Beta particle	Dissolved	pCi/L	8.7	9.2	10	11
Beta particle	Suspended	pCi/L	6.2	1.8	71	0.8
Beta particle	Suspended	pCi/L	6	1.7	69	0.8
Bicarbonate	Total	mg/l				
Cadmium	Dissolved	ug/l	0	0	<10	<10
Calcium	Dissolved	mg/l				
Carbon dioxide	Total	mg/l				
Carbonate	Total	mg/l				
Chloride	Dissolved	mg/l				
Chloride	Dissolved	mg/l	22	25	24	27
Chromium	Recoverable	ug/l	25	1	15	5
Copper	Dissolved					
Fluoride	Dissolved	mg/l				
Gross-Uranium	Dissolved	ug/l	22.6	22.5	12.5	22.3
Hardness, Ca, Mg		mg/l CaCO3				
Hardness, non-carbonate	Total	mg/l CaCO3				
Hydrogen ion	Total	mg/l	<0.001	<0.001	<0.001	<0.001
Nitrate + Nitrite	Dissolved	mg/l N				
Nitrate + Nitrite	Total					
Iron	Dissolved	ug/l				
Iron	Total Recoverable					
Lead	Dissolved	ug/l	<100	0	<100	<100

Station Number			**7094090**	**7094090**	**7094090**	**7094090**
Date			**1/13/1981**	**5/1/1981**	**6/3/1981**	**6/17/1981**
Magnesium	Dissolved	mg/l				
Manganese	Dissolved	ug/l				
Orthophosphate	Dissolved	mg/l as P				
Orthophosphate	Dissolved	mg/l asPO4				
Oxygen	Dissolved	mg/l	11.9	7.6	8.4	6.8
pH	Total	std units	8.5	8.8	8.6	8.4
pH	Total	std units	8.3	8.5	7.9	8.4
Phosphate-phosphorus	Total					
Potassium	Dissolved	mg/l				
Selenium	Dissolved	ug/l	1	2	0	0
Silica	Dissolved	mg/l				
Silver	Dissolved	ug/l	0	0	1	0
Sodium	Dissolved	mg/l				
Sodium adsorption ratio		None				
Sodium, percent total cations		%				
Specific conductance	Total	uS/cm @25C	722	619	520	683
Specific conductance	Total	uS/cm @25C	700	649		710
Stream flow, instantaneous		ft3/s	5.7	1	7.2	1
Stream flow, instantaneous		m3/sec	0.16	0.03	0.2	0.03
Sulfate	Dissolved	mg/l	66	65	50	3.2
Temperature, water		deg C	1	25	11	25.5
Total dissolved solids	Dissolved	mg/l				
Zinc	Dissolved					

Station Number		7094090	7094090	7094090	7094090
Date		**1/13/1981**	**5/1/1981**	**6/3/1981**	**6/17/1981**
Alkalinity, total	Total	330			
Ammonia-nitrogen	Total	<0.03			
Cadmium	Dissolved	<0.6			
Copper	Dissolved	6			
Dissolved oxygen (DO)		7.8			
Hardness, Ca, Mg	Total	250			
Inorganic nitrogen (nitrate and nitri	Total	<0.03			
Iron	Dissolved	<10			
Iron	Total Recoverable	<50			
Lead	Dissolved	<1			
Manganese	Dissolved	3			
pH		8.49			
Phosphate-phosphorus	Total	0.24			
Selenium	Dissolved	<1			
Silver	Dissolved	<1			
Specific conductance		843.5			
Sulfate	Total	58			
Temperature, water		22.68			
Zinc	Dissolved	<10			

Station Number			**7094090**	**7094090**	**7094090**	**7094090**
Date			**7/17/1981**	**8/4/1981**	**8/10/1981**	**9/8/1981**
Alkalinity, total	Total	mg/l CaCO3			130	
Alpha emitting radium isotopes	Dissolved	pCi/L	<0.1	0.1	<0.1	<0.1
Alpha particle	Dissolved	pCi/L	33	23	3.1	27
Alpha particle	Dissolved	ug/l	48	34	4.5	39
Alpha particle	Suspended	pCi/L	<0.3	<0.3	410	5.4
Alpha particle	Suspended	ug/l	<0.4	<0.4	610	7.9
Ammonia-nitrogen	Total					
Arsenic	Dissolved	ug/l	1	1		1
Barium	Dissolved	ug/l	100	100	200	100
Beta particle	Dissolved	pCi/L	12	13	12	9.8
Beta particle	Dissolved	pCi/L	11	13	12	9.2
Beta particle	Suspended	pCi/L	0.6	<0.4	380	6.9
Beta particle	Suspended	pCi/L	0.6	<0.4	360	6.7
Bicarbonate	Total	mg/l				
Cadmium	Dissolved	ug/l	0	0	0	<10
Calcium	Dissolved	mg/l				
Carbon dioxide	Total	mg/l			3.2	
Carbonate	Total	mg/l				
Chloride	Dissolved	mg/l				
Chloride	Dissolved	mg/l	33	31	12	22
Chromium	Recoverable	ug/l	3	9	210	10
Copper	Dissolved					
Fluoride	Dissolved	mg/l				
Gross-Uranium	Dissolved	ug/l	24.3	22	11.2	17
Hardness, Ca, Mg		mg/l CaCO3				
Hardness, non-carbonate	Total	mg/l CaCO3				
Hydrogen ion	Total	mg/l	0.00001	0.00001	0.00001	<0.001
Nitrate + Nitrite	Dissolved	mg/l N				
Nitrate + Nitrite	Total					
Iron	Dissolved	ug/l				
Iron	Total Recoverable					
Lead	Dissolved	ug/l	0	<100	0	<100

Station Number			7094090	7094090	7094090	7094090
Date			**7/17/1981**	**8/4/1981**	**8/10/1981**	**9/8/1981**
Magnesium	Dissolved	mg/l				
Manganese	Dissolved	ug/l				
Orthophosphate	Dissolved	mg/l as P				
Orthophosphate	Dissolved	mg/l asPO4				
Oxygen	Dissolved	mg/l	7.4	6.7	8.5	6.5
pH	Total	std units	8.1	8.1	7.9	8.4
pH	Total	std units	8.2	8.4	7.6	8.6
Phosphate-phosphorus	Total					
Potassium	Dissolved	mg/l				
Selenium	Dissolved	ug/l	0	0	1	1
Silica	Dissolved	mg/l				
Silver	Dissolved	ug/l	0	0	0	0
Sodium	Dissolved	mg/l				
Sodium adsorption ratio		None				
Sodium, percent total cations		%				
Specific conductance	Total	uS/cm @25C	656	690	342	680
Specific conductance	Total	uS/cm @25C	674	700		
Stream flow, instantaneous		ft3/s	0.3	0.68	31	4.6
Stream flow, instantaneous		m3/sec	0.01	0.02	0.88	0.13
Sulfate	Dissolved	mg/l	70	60	3	59
Temperature, water		deg C	24.5	22.5	13	20.5
Total dissolved solids	Dissolved	mg/l				
Zinc	Dissolved					

Station Number		7094090	7094090	7094090	7094090
Date		7/17/1981	8/4/1981	8/10/1981	9/8/1981
Alkalinity, total	Total				
Ammonia-nitrogen	Total				
Cadmium	Dissolved				
Copper	Dissolved				
Dissolved oxygen (DO)					
Hardness, Ca, Mg	Total				
Inorganic nitrogen (nitrate and nitri	Total				
Iron	Dissolved				
Iron	Total Recoverable				
Lead	Dissolved				
Manganese	Dissolved				
pH					
Phosphate-phosphorus	Total				
Selenium	Dissolved				
Silver	Dissolved				
Specific conductance					
Sulfate	Total				
Temperature, water					
Zinc	Dissolved				

Station Number			7094090	7094090	7094090	7094090
Date			4/7/1982	5/20/1982	6/22/1982	9/21/1982
Alkalinity, total	Total	mg/l CaCO3				
Alpha emitting radium isotopes	Dissolved	pCi/L	<0.1	<0.1	<0.1	<0.1
Alpha particle	Dissolved	pCi/L	23	19	29	18
Alpha particle	Dissolved	ug/l	34	28	43	26
Alpha particle	Suspended	pCi/L	<0.3	0.5	1.2	6
Alpha particle	Suspended	ug/l	<0.4	0.7	1.8	8.8
Ammonia-nitrogen	Total					
Arsenic	Dissolved	ug/l	1	1	1	1
Barium	Dissolved	ug/l	100	100	<100	100
Beta particle	Dissolved	pCi/L	14	7.2	7.3	11
Beta particle	Dissolved	pCi/L	14	6.9	7	11
Beta particle	Suspended	pCi/L	0.9	2.3	3.4	6.7
Beta particle	Suspended	pCi/L	0.8	2.3	3.2	6.4
Bicarbonate	Total	mg/l				
Cadmium	Dissolved	ug/l	<1	<1	<10	<1
Calcium	Dissolved	mg/l				
Carbon dioxide	Total	mg/l				
Carbonate	Total	mg/l				
Chloride	Dissolved	mg/l				
Chloride	Dissolved	mg/l	24	26	25	23
Chromium	Recoverable	ug/l	7	4	5	4
Copper	Dissolved					
Fluoride	Dissolved	mg/l				
Gross-Uranium	Dissolved	ug/l	27	22	24	22
Hardness, Ca, Mg		mg/l CaCO3				
Hardness, non-carbonate	Total	mg/l CaCO3				
Hydrogen ion	Total	mg/l	<0.001	0.00001	0.00001	0.00001
Nitrate + Nitrite	Dissolved	mg/l N				
Nitrate + Nitrite	Total					
Iron	Dissolved	ug/l				
Iron	Total Recoverable					
Lead	Dissolved	ug/l	<1	<1	<100	<1

Station Number			**7094090**	**7094090**	**7094090**	**7094090**
Date			**4/7/1982**	**5/20/1982**	**6/22/1982**	**9/21/1982**
Magnesium	Dissolved	mg/l				
Manganese	Dissolved	ug/l				
Orthophosphate	Dissolved	mg/l as P				
Orthophosphate	Dissolved	mg/l asPO4				
Oxygen	Dissolved	mg/l	8.5	8	6.7	6.7
pH	Total	std units	9	8.3	8.1	8.3
pH	Total	std units	8.6	8.6	8.6	8.5
Phosphate-phosphorus	Total					
Potassium	Dissolved	mg/l				
Selenium	Dissolved	ug/l	1	1	1	1
Silica	Dissolved	mg/l				
Silver	Dissolved	ug/l	<1	<1	<1	<1
Sodium	Dissolved	mg/l				
Sodium adsorption ratio		None				
Sodium, percent total cations		%				
Specific conductance	Total	uS/cm @25C	645	706	686	643
Specific conductance	Total	uS/cm @25C	702	708	677	644
Stream flow, instantaneous		ft3/s	3	0.72	1.8	8
Stream flow, instantaneous		m3/sec	0.08	0.02	0.05	0.23
Sulfate	Dissolved	mg/l	58	57	61	51
Temperature, water		deg C	14	20	20.5	19
Total dissolved solids	Dissolved	mg/l				
Zinc	Dissolved					

Station Number		7094090	7094090	7094090	7094090
Date		4/7/1982	5/20/1982	6/22/1982	9/21/1982
Alkalinity, total	Total				
Ammonia-nitrogen	Total				
Cadmium	Dissolved				
Copper	Dissolved				
Dissolved oxygen (DO)					
Hardness, Ca, Mg	Total				
Inorganic nitrogen (nitrate and nitri	Total				
Iron	Dissolved				
Iron	Total Recoverable				
Lead	Dissolved				
Manganese	Dissolved				
pH					
Phosphate-phosphorus	Total				
Selenium	Dissolved				
Silver	Dissolved				
Specific conductance					
Sulfate	Total				
Temperature, water					
Zinc	Dissolved				

Station Number			383150105225500	21COL001-7110
Date			4/22/1972	8/17/2010
Alkalinity, total	Total	mg/l CaCO3	224	330
Alpha emitting radium isotopes	Dissolved	pCi/L		
Alpha particle	Dissolved	pCi/L		
Alpha particle	Dissolved	ug/l		
Alpha particle	Suspended	pCi/L		
Alpha particle	Suspended	ug/l		
Ammonia-nitrogen	Total			<0.03
Arsenic	Dissolved	ug/l		
Barium	Dissolved	ug/l		
Beta particle	Dissolved	pCi/L		
Beta particle	Dissolved	pCi/L		
Beta particle	Suspended	pCi/L		
Beta particle	Suspended	pCi/L		
Bicarbonate	Total	mg/l	273	
Cadmium	Dissolved	ug/l		<0.6
Calcium	Dissolved	mg/l	73	
Carbon dioxide	Total	mg/l	44	
Carbonate	Total	mg/l	0	
Chloride	Dissolved	mg/l	13	
Chloride	Dissolved	mg/l		
Chromium	Recoverable	ug/l		
Copper	Dissolved			6
Fluoride	Dissolved	mg/l	1.2	
Gross-Uranium	Dissolved	ug/l		
Hardness, Ca, Mg		mg/l CaCO3	260	250
Hardness, non-carbonate	Total	mg/l CaCO3	37	
Hydrogen ion	Total	mg/l	0.0001	
Nitrate + Nitrite	Dissolved	mg/l N	0.01	
Nitrate + Nitrite	Total			<0.03
Iron	Dissolved	ug/l	8100	<10
Iron	Total Recoverable			<50
Lead	Dissolved	ug/l		<1

Station Number			**383150105225500**	**21COL001-7110**
Date			**4/22/1972**	**8/17/2010**
Magnesium	Dissolved	mg/l	19	
Manganese	Dissolved	ug/l	240	3
Orthophosphate	Dissolved	mg/l as P	0	
Orthophosphate	Dissolved	mg/l asPO4	0	
Oxygen	Dissolved	mg/l		7.8
pH	Total	std units	7	8.49
pH	Total	std units		
Phosphate-phosphorus	Total			0.24
Potassium	Dissolved	mg/l	6.5	
Selenium	Dissolved	ug/l		<1
Silica	Dissolved	mg/l	14	
Silver	Dissolved	ug/l		<1
Sodium	Dissolved	mg/l	33	
Sodium adsorption ratio		None	0.9	
Sodium, percent total cations		%	21	
Specific conductance	Total	uS/cm @25C	626	843.5
Specific conductance	Total	uS/cm @25C		
Stream flow, instantaneous		ft3/s		
Stream flow, instantaneous		m3/sec		
Sulfate	Dissolved	mg/l	100	58
Temperature, water		deg C	15	22.68
Total dissolved solids	Dissolved	mg/l	402	
Zinc	Dissolved			<10

Station Number	**383150105225500**	**21COL001-7110**
Date	**4/22/1972**	**8/17/2010**
Alkalinity, total	Total	
Ammonia-nitrogen	Total	
Cadmium	Dissolved	
Copper	Dissolved	
Dissolved oxygen (DO)		
Hardness, Ca, Mg	Total	
Inorganic nitrogen (nitrate and nitri	Total	
Iron	Dissolved	
Iron	Total Recoverable	
Lead	Dissolved	
Manganese	Dissolved	
pH		
Phosphate-phosphorus	Total	
Selenium	Dissolved	
Silver	Dissolved	
Specific conductance		
Sulfate	Total	
Temperature, water		
Zinc	Dissolved	

Station Number			21COL001-7115	21COL001-7115	21COL001-7115	21COL001-7115	21COL001-7115
Date			9/12/2005	10/20/2005	8/17/2010	10/26/2010	6/21/2011
Alkalinity, total	Total	mg/l	290	280	280	310	300
Ammonia-nitrogen	Total	mg/l	<0.03	<0.03	<0.03	<0.03	
Arsenic	Dissolved	ug/l	1	1			
Cadmium	Dissolved	ug/l	0.6	<0.6	<0.6	<0.6	
Calcium	Total	mg/l					72
Copper	Dissolved	ug/l	<5	<5	7	<5	<5
Hardness, Ca, Mg	Total	mg/l	310	300	230	310	300
Nitrate + Nitrite	Total	mg/l N	<0.3	<0.3	0.76	0.6	
Iron	Dissolved	ug/l	<10	<10	<10	<10	<4
Iron	Total Recovrble	ug/l	<10	<10	<50	<10	10
Kjeldahl nitrogen	Total	mg/l	<0.5	<0.5		<0.1	0.2
Lead	Dissolved	ug/l	<1	<1	<1	<1	<0.01
Magnesium	Total	mg/l					33
Manganese	Dissolved	ug/l	<2	<2	3	<2	<2
Oxygen	Dissolved	mg/l	6.44	9.42	8.1	12.55	7.12
pH	Total		8.58	8.61	8.58	8.75	8.47
Phosphate-phosphorus as P	Total	mg/l	0.044	0.025	0.3	0.089	0.11
Selenium	Dissolved	ug/l	6.8	12	2.8	3.2	3.1
Silver	Dissolved	ug/l	<0.5	<0.5	<1	<1	
Sodium	Total	mg/l					65
Specific conductance		umho/cm	901	884	750.1	841.6	932.4
Sulfate	Total	mg/l	120	110	64	77	96
Temperature, water		deg C	21.62	15.18	21.36	9.18	17.06
Uranium	Dissolved	ug/l	26	23			
Zinc	Dissolved	ug/l	<10	<10	<10	<10	8

Station Number			**21COL001-TALlAHASSEE04**
Date			**8/14/1980**
Alkalinity, total		mg/l	246
Aluminum	Total Recovrble	ug/l	1
Ammonia		mg/l	0.00957
Ammonia-nitrogen	Total	mg/l	0.05
Ammonia-nitrogen as N		mg/l	0.00787
Arsenic	Total	ug/l	0.01
Boron	Total	ug/l	40
Cadmium	Total Recovrble	ug/l	0.0003
Copper	Total Recovrble	ug/l	0.005
Dissolved oxygen (DO)		mg/l	7
Dissolved oxygen saturation		%	79.55
Hardness, Ca, Mg	Total	mg/l	210
Nitrate + Nitrite	Total	mg/l N	0.5
Iron	Total	ug/l	0.1
Lead	Total Recovrble	ug/l	0.006
Manganese	Total Recovrble	ug/l	0.05
Mercury	Total Recovrble	ug/l	0.0005
Molybdenum	Total Recovrble	ug/l	0.01
Nickel	Total Recovrble	ug/l	0.05
pH		None	8.6
Sodium	Total	mg/l	24
Specific conductance		uS/cm	424
Sulfate as SO4	Total	mg/l	37
Temperature, water		deg C	22.3
Total dissolved solids	Dissolved	mg/l	300
Total suspended solids	Total	mg/l	10
Zinc	Total	ug/l	0.02

Station Number			07094300	07094300	07094300	07094300	07094300	07094300
Date			1/13/1981	5/1/1981	6/3/1981	6/17/1981	8/10/1981	4/8/1981
Alkalinity, total	Total	mg/l CaCO3					83	
Alpha emitting radium isotopes	Dissolved	pCi/L	<0.1	0.1		<0.1	0.7	0.1
Alpha particle	Dissolved	pCi/L	23	17	13	23	<4.7	12
Alpha particle	Dissolved	ug/l	34	25	19	34	<6.8	17
Alpha particle	Suspended	pCi/L	<0.3	<0.3	3.2	1.4	1000	<0.3
Alpha particle	Suspended	ug/l	<0.4	<0.4	4.7	2.1	1500	<0.4
Aluminum	Dissolved	ug/l						
Ammonia and ammonium	Total	mg/l as N						
Ammonia and ammonium	Total	mg/l NH4						
Arsenic	Dissolved	ug/l	3	2	3	1		2
Barium	Dissolved	ug/l	100	200	100	100	400	100
Barium	Dissolved	ug/l						
Beryllium	Dissolved	ug/l						
Beta particle	Dissolved	pCi/L	7.7	8.1	8.5	8.5	9.4	15
Beta particle	Dissolved	pCi/L	7.3	7.6	8.2	8.3	9	14
Beta particle	Suspended	pCi/L	1.3	0.7	5.9	1.2	640	0.7
Beta particle	Suspended	pCi/L	1.3	0.8	5.7	1.2	620	0.7
Cadmium	Dissolved	ug/l	0	0	0	<10	0	<10
Cadmium	Total	ug/l						
Calcium	Dissolved	mg/l						
Carbon dioxide	Total	mg/l						
Chloride	Dissolved	mg/l	11	16	10	28	15	16
Chromium	Recoverable	ug/l	7	1	4	4	160	2
Cobalt	Dissolved	ug/l						
Copper	Dissolved	ug/l						
Copper	Recoverable	ug/l						
Gross-Uranium	Dissolved	ug/l	19.7	17.1	23.9	22.8	2.6	23
Hardness, Ca, Mg		mg/l CaCO3						
Hydrogen ion	Total	mg/l	0.00001	<0.001	0.00001	0.00001		<0.001
Nitrate + Nitrite	Total	mg/l as N						
Iron	Dissolved	ug/l						
Iron	Recoverable	ug/l						

Station Number			07094300	07094300	07094300	07094300	07094300	07094300
Date			**1/13/1981**	**5/1/1981**	**6/3/1981**	**6/17/1981**	**8/10/1981**	**4/8/1981**
Lead	Dissolved	ug/l	<100	0	0	<100	0	<100
Lead	Recoverable	ug/l						
Lithium	Dissolved	ug/l						
Magnesium	Dissolved	mg/l						
Manganese	Dissolved	ug/l						
Manganese	Recoverable	ug/l						
Molybdenum	Dissolved	ug/l						
Nitrate	Total	mg/l as N						
Organic carbon	Total	mg/l						
Orthophosphate	Total	mg/l as P						
Oxygen	Dissolved	mg/l	11.8	7.7	7.8	7.6		8.8
pH	Total	std units	8.2	8.4	8.2	8.3	7.1	8.5
pH	Total	std units	8.2	8.7	8.4	8.3		8.6
Phosphate-phosphorus	Total	mg/l						
Potassium	Dissolved	mg/l						
Selenium	Dissolved	ug/l	2	2	1	0		2
Silica	Dissolved	mg/l						
Silver	Dissolved	ug/l	0	0	1	0	0	<1
Sodium	Dissolved	mg/l						
Sodium adsorption ratio		None						
Sodium, percent total cations		%						
Specific conductance	Total	uS/cm @25C	476	504	472	683	247	470
Specific conductance	Total	uS/cm @25C		498	476	593		483
Stream flow, instantaneous		ft3/s	0.77	0.5	5.1	0.3	44	0.65
Stream flow, instantaneous		m3/sec	0.02	0.01	0.14	0.01	1.2	0.02
Strontium	Dissolved	ug/l						
Sulfate	Dissolved	mg/l	44	46	45	50	2	41
Temperature, water		deg C	0.5	17	16.5	16.5		9.5
Total dissolved solids	Dissolved	mg/l						
Vanadium	Dissolved	ug/l						
Zinc	Dissolved	ug/l						
Zinc	Recoverable	ug/l						

Station Number			07094300	07094300	07094300	07094300	07094300	07094300
Date			**9/8/1981**	**5/20/1982**	**6/22/1982**	**7/23/1982**	**9/21/1982**	**4/24/1987**
Alkalinity, total	Total	mg/l CaCO3						
Alpha emitting radium isotopes	Dissolved	pCi/L	0.2	<0.1	0.1	0.2	<0.1	
Alpha particle	Dissolved	pCi/L	19	9.5	15	10	12	
Alpha particle	Dissolved	ug/l	28	14	22	15	18	
Alpha particle	Suspended	pCi/L	1.2	<0.3	2.1	<0.3	0.3	
Alpha particle	Suspended	ug/l	1.8	<0.4	3.1	<0.4	0.5	
Aluminum	Dissolved	ug/l						
Ammonia and ammonium	Total	mg/l as N						
Ammonia and ammonium	Total	mg/l NH4						
Arsenic	Dissolved	ug/l	2	2	2	2	2	
Barium	Dissolved	ug/l	400	100	<100	100	<100	
Barium	Dissolved	ug/l						
Beryllium	Dissolved	ug/l						
Beta particle	Dissolved	pCi/L	10	7.2	8.9	9.9	11	
Beta particle	Dissolved	pCi/L	9.9	6.9	8.6	9.5	11	
Beta particle	Suspended	pCi/L	4	2.7	3.3	2.1	1.9	
Beta particle	Suspended	pCi/L	3.8	2.7	3.2	2.1	1.9	
Cadmium	Dissolved	ug/l	<10	<1	30	<10	<1	
Cadmium	Total	ug/l						
Calcium	Dissolved	mg/l						
Carbon dioxide	Total	mg/l						
Chloride	Dissolved	mg/l	15	18	11	18	6.4	
Chromium	Recoverable	ug/l	10	6	4	7	2	
Cobalt	Dissolved	ug/l						
Copper	Dissolved	ug/l						
Copper	Recoverable	ug/l						
Gross-Uranium	Dissolved	ug/l	20	20	20	17	13	
Hardness, Ca, Mg		mg/l CaCO3						
Hydrogen ion	Total	mg/l	0.00001	0.00002	0.00001	0.00001	0.00001	<0.001
Nitrate + Nitrite	Total	mg/l as N						
Iron	Dissolved	ug/l						
Iron	Recoverable	ug/l						

Station Number			07094300	07094300	07094300	07094300	07094300	07094300
Date			**9/8/1981**	**5/20/1982**	**6/22/1982**	**7/23/1982**	**9/21/1982**	**4/24/1987**
Lead	Dissolved	ug/l	<100	<1	<100	<1	<1	
Lead	Recoverable	ug/l						
Lithium	Dissolved	ug/l						
Magnesium	Dissolved	mg/l						
Manganese	Dissolved	ug/l						
Manganese	Recoverable	ug/l						
Molybdenum	Dissolved	ug/l						
Nitrate	Total	mg/l as N						
Organic carbon	Total	mg/l						
Orthophosphate	Total	mg/l as P						
Oxygen	Dissolved	mg/l	7.1	9.3	7.3	7.3	7.4	9.7
pH	Total	std units	8.3	7.8	8.1	8.2	8.1	8.9
pH	Total	std units	8.7	8.4	8.9	8.8	8.7	
Phosphate-phosphorus	Total	mg/l						
Potassium	Dissolved	mg/l						
Selenium	Dissolved	ug/l	1	1	1	1	1	
Silica	Dissolved	mg/l						
Silver	Dissolved	ug/l	0	<1	<1	<1	<1	
Sodium	Dissolved	mg/l						
Sodium adsorption ratio		None						
Sodium, percent total cations		%						
Specific conductance	Total	uS/cm @25C	475	517	509	561	405	394
Specific conductance	Total	uS/cm @25C		498	497	557	387	
Stream flow, instantaneous		ft3/s	0.73	0.51	1.2	0.8	4	172
Stream flow, instantaneous		m3/sec	0.02	0.01	0.03	0.02	0.11	4.9
Strontium	Dissolved	ug/l						
Sulfate	Dissolved	mg/l	14	39	47	35	25	
Temperature, water		deg C	16.5	12.5	20	22	13.5	6.5
Total dissolved solids	Dissolved	mg/l						
Vanadium	Dissolved	ug/l						
Zinc	Dissolved	ug/l						
Zinc	Recoverable	ug/l						

Station Number			07094300	07094300	07094300	07094300	07094300	07094300
Date			6/3/1987	10/29/1987	4/20/1990	6/7/1990	7/19/1990	8/30/1990
Alkalinity, total	Total	mg/l CaCO3	470					
Alpha emitting radium isotopes	Dissolved	pCi/L						
Alpha particle	Dissolved	pCi/L						
Alpha particle	Dissolved	ug/l						
Alpha particle	Suspended	pCi/L						
Alpha particle	Suspended	ug/l						
Aluminum	Dissolved	ug/l	50					
Ammonia and ammonium	Total	mg/l as N			<0.01	0.03	0.03	0.02
Ammonia and ammonium	Total	mg/l NH4			<0.013	0.039	0.039	0.026
Arsenic	Dissolved	ug/l						
Barium	Dissolved	ug/l						
Barium	Dissolved	ug/l	78					
Beryllium	Dissolved	ug/l	<0.5					
Beta particle	Dissolved	pCi/L						
Beta particle	Dissolved	pCi/L						
Beta particle	Suspended	pCi/L						
Beta particle	Suspended	pCi/L						
Cadmium	Dissolved	ug/l	<1		<0.1	<0.1	0.1	<0.1
Cadmium	Total	ug/l			<1	<1	<1	<1
Calcium	Dissolved	mg/l	53					
Carbon dioxide	Total	mg/l	2.7					
Chloride	Dissolved	mg/l						
Chromium	Recoverable	ug/l						
Cobalt	Dissolved	ug/l	<3					
Copper	Dissolved	ug/l	<10		1	1	1	1
Copper	Recoverable	ug/l			3	5	7	2
Gross-Uranium	Dissolved	ug/l						
Hardness, Ca, Mg		mg/l CaCO3	228					
Hydrogen ion	Total	mg/l	<0.001	<0.001	0.00001	<0.001	<0.001	<0.001
Nitrate + Nitrite	Total	mg/l as N			0.104	0.062	0.203	0.19
Iron	Dissolved	ug/l	24		11	16	10	15
Iron	Recoverable	ug/l			370	650	6300	510

Station Number			07094300	07094300	07094300	07094300	07094300	07094300
Date			**6/3/1987**	**10/29/1987**	**4/20/1990**	**6/7/1990**	**7/19/1990**	**8/30/1990**
Lead	Dissolved	ug/l	<10		<0.5	<0.5	<0.5	<0.5
Lead	Recoverable	ug/l			1	2	5	1
Lithium	Dissolved	ug/l	29					
Magnesium	Dissolved	mg/l	23					
Manganese	Dissolved	ug/l	12		130	69	120	100
Manganese	Recoverable	ug/l			190	100	360	140
Molybdenum	Dissolved	ug/l	<10					
Nitrate	Total	mg/l as N						
Organic carbon	Total	mg/l	5.5					
Orthophosphate	Total	mg/l as P						
Oxygen	Dissolved	mg/l		8	8.6	7.4	7.8	7.9
pH	Total	std units	8.5	8.9	8.3	8.5	8.5	8.4
pH	Total	std units			8.3	8.4	8.3	8.3
Phosphate-phosphorus	Total	mg/l						
Potassium	Dissolved	mg/l	3.4					
Selenium	Dissolved	ug/l						
Silica	Dissolved	mg/l	28					
Silver	Dissolved	ug/l						
Sodium	Dissolved	mg/l	33					
Sodium adsorption ratio		None	0.95					
Sodium, percent total cations		%	24					
Specific conductance	Total	uS/cm @25C	521	600	736	645	702	699
Specific conductance	Total	uS/cm @25C			708	600	691	698
Stream flow, instantaneous		ft3/s	42	8.2	0.54	2.6	4.7	2.8
Stream flow, instantaneous		m3/sec	1.2	0.23	0.02	0.08	0.13	0.08
Strontium	Dissolved	ug/l	530					
Sulfate	Dissolved	mg/l						
Temperature, water		deg C	13	13	8	20	15	15
Total dissolved solids	Dissolved	mg/l			451	365	428	431
Vanadium	Dissolved	ug/l	<6					
Zinc	Dissolved	ug/l	12		5	9	<3	<3
Zinc	Recoverable	ug/l			20	<10	30	10

Station Number			07094300	07094300	07094300	07094300	07094300	07094300
Date			11/1/1990	4/25/1991	6/20/1991	7/18/1991	10/24/1991	4/23/1992
Alkalinity, total	Total	mg/l CaCO3						
Alpha emitting radium isotopes	Dissolved	pCi/L						
Alpha particle	Dissolved	pCi/L						
Alpha particle	Dissolved	ug/l						
Alpha particle	Suspended	pCi/L						
Alpha particle	Suspended	ug/l						
Aluminum	Dissolved	ug/l						
Ammonia and ammonium	Total	mg/l as N	0.02	0.019	0.019	0.02	0.029	0.018
Ammonia and ammonium	Total	mg/l NH4	0.026	0.024	0.024	0.026	0.037	0.023
Arsenic	Dissolved	ug/l						
Barium	Dissolved	ug/l						
Barium	Dissolved	ug/l						
Beryllium	Dissolved	ug/l						
Beta particle	Dissolved	pCi/L						
Beta particle	Dissolved	pCi/L						
Beta particle	Suspended	pCi/L						
Beta particle	Suspended	pCi/L						
Cadmium	Dissolved	ug/l	<0.1	<0.1	<0.1	<0.1	<0.1	0.1
Cadmium	Total	ug/l	<1	<1	<1	<1	<1	<1
Calcium	Dissolved	mg/l						
Carbon dioxide	Total	mg/l						
Chloride	Dissolved	mg/l						
Chromium	Recoverable	ug/l						
Cobalt	Dissolved	ug/l						
Copper	Dissolved	ug/l	1	1	1	<1	<1	<1
Copper	Recoverable	ug/l	1	5	3	6	2	2
Gross-Uranium	Dissolved	ug/l						
Hardness, Ca, Mg		mg/l CaCO3						
Hydrogen ion	Total	mg/l	<0.001	0.00001	0.00001	0.00001	<0.001	<0.001
Nitrate + Nitrite	Total	mg/l as N	0.02	0.103	0.018	0.04	0.034	0.133
Iron	Dissolved	ug/l	18	16	13	18	31	8
Iron	Recoverable	ug/l	120	220	150	160	170	870

Station Number			07094300	07094300	07094300	07094300	07094300	07094300
Date			**11/1/1990**	**4/25/1991**	**6/20/1991**	**7/18/1991**	**10/24/1991**	**4/23/1992**
Lead	Dissolved	ug/l	<0.5	<0.5	<0.5	<0.5	0.6	<0.5
Lead	Recoverable	ug/l	<1	1	1	5	1	<1
Lithium	Dissolved	ug/l						
Magnesium	Dissolved	mg/l						
Manganese	Dissolved	ug/l	39	38	73	120	62	60
Manganese	Recoverable	ug/l	60	50	90	150	80	120
Molybdenum	Dissolved	ug/l						
Nitrate	Total	mg/l as N	0.02					
Organic carbon	Total	mg/l						
Orthophosphate	Total	mg/l as P	0.07					
Oxygen	Dissolved	mg/l	8.6	8.3	8.5	7.3	8.7	9.2
pH	Total	std units	8.7	8.1	8.3	8.2	8.5	8.6
pH	Total	std units	8.5	8.2	8.2	8.2	8.2	8.4
Phosphate-phosphorus	Total	mg/l	0.215					
Potassium	Dissolved	mg/l						
Selenium	Dissolved	ug/l						
Silica	Dissolved	mg/l						
Silver	Dissolved	ug/l						
Sodium	Dissolved	mg/l						
Sodium adsorption ratio		None						
Sodium, percent total cations		%						
Specific conductance	Total	uS/cm @25C	692	743	774	768	721	696
Specific conductance	Total	uS/cm @25C	689	744	806	783	734	679
Stream flow, instantaneous		ft3/s	3.6	0.14	0.4	0.7	3.8	4.2
Stream flow, instantaneous		m3/sec	0.1	0	0.01	0.02	0.11	0.12
Strontium	Dissolved	ug/l						
Sulfate	Dissolved	mg/l						
Temperature, water		deg C	11.5	13	15	17.5	8	7
Total dissolved solids	Dissolved	mg/l	416	456	488	460	428	406
Vanadium	Dissolved	ug/l						
Zinc	Dissolved	ug/l	6	8	<3	<3	3	4
Zinc	Recoverable	ug/l	<10	10	<10	<10	<10	20

Station Number			07094300	07094300	07094300
Date			6/26/1992	8/13/1992	10/29/1992
Alkalinity, total	Total	mg/l CaCO3			
Alpha emitting radium isotopes	Dissolved	pCi/L			
Alpha particle	Dissolved	pCi/L			
Alpha particle	Dissolved	ug/l			
Alpha particle	Suspended	pCi/L			
Alpha particle	Suspended	ug/l			
Aluminum	Dissolved	ug/l			
Ammonia and ammonium	Total	mg/l as N	0.137	0.017	0.024
Ammonia and ammonium	Total	mg/l NH4	0.176	0.022	0.031
Arsenic	Dissolved	ug/l			
Barium	Dissolved	ug/l			
Barium	Dissolved	ug/l			
Beryllium	Dissolved	ug/l			
Beta particle	Dissolved	pCi/L			
Beta particle	Dissolved	pCi/L			
Beta particle	Suspended	pCi/L			
Beta particle	Suspended	pCi/L			
Cadmium	Dissolved	ug/l	<1	<0.1	<0.1
Cadmium	Total	ug/l	<1	<1	<1
Calcium	Dissolved	mg/l			
Carbon dioxide	Total	mg/l			
Chloride	Dissolved	mg/l			
Chromium	Recoverable	ug/l			
Cobalt	Dissolved	ug/l			
Copper	Dissolved	ug/l	2	<1	<1
Copper	Recoverable	ug/l	20	1	<1
Gross-Uranium	Dissolved	ug/l			
Hardness, Ca, Mg		mg/l CaCO3			
Hydrogen ion	Total	mg/l	<0.001	<0.001	<0.001
Nitrate + Nitrite	Total	mg/l as N	0.122	0.055	0.039
Iron	Dissolved	ug/l	71	24	17
Iron	Recoverable	ug/l	7600	110	30

Station Number			07094300	07094300	07094300
Date			6/26/1992	8/13/1992	10/29/1992
Lead	Dissolved	ug/l	<0.5	<0.5	<0.5
Lead	Recoverable	ug/l	4	<1	<1
Lithium	Dissolved	ug/l			
Magnesium	Dissolved	mg/l			
Manganese	Dissolved	ug/l	16	67	29
Manganese	Recoverable	ug/l	1800	80	<10
Molybdenum	Dissolved	ug/l			
Nitrate	Total	mg/l as N			
Organic carbon	Total	mg/l			
Orthophosphate	Total	mg/l as P			
Oxygen	Dissolved	mg/l	7.7	7.8	8.6
pH	Total	std units	8.4	8.4	8.4
pH	Total	std units	7.8	8.4	8.2
Phosphate-phosphorus	Total	mg/l			
Potassium	Dissolved	mg/l			
Selenium	Dissolved	ug/l			
Silica	Dissolved	mg/l			
Silver	Dissolved	ug/l			
Sodium	Dissolved	mg/l			
Sodium adsorption ratio		None			
Sodium, percent total cations		%			
Specific conductance	Total	uS/cm @25C	396	696	707
Specific conductance	Total	uS/cm @25C	386	682	706
Stream flow, instantaneous		ft3/s	32	0.68	0.2
Stream flow, instantaneous		m3/sec	0.9	0.02	0.01
Strontium	Dissolved	ug/l			
Sulfate	Dissolved	mg/l			
Temperature, water		deg C	14	17	10.5
Total dissolved solids	Dissolved	mg/l	220	402	411
Vanadium	Dissolved	ug/l			
Zinc	Dissolved	ug/l	<3	<3	<3
Zinc	Recoverable	ug/l	150	<10	<10

Station Number			382917105225200	382917105225200	382917105225200	382917105225200
Date			4/24/1987	6/3/1987	10/29/1987	4/20/1990
Alkalinity, total	Total	mg/l CaCO3		470		
Aluminum	Dissolved	ug/l		50		
Ammonia and ammonium	Total	mg/l N				<0.01
Ammonia and ammonium	Total	mg/l NH4				<0.013
Barium	Dissolved	ug/l		78		
Beryllium	Dissolved	ug/l		<0.5		
Cadmium	Dissolved	ug/l		<1		<0.1
Cadmium	Total	ug/l				<1
Calcium	Dissolved	mg/l		53		
Carbon dioxide	Total	mg/l		2.7		
Cobalt	Dissolved	ug/l		<3		
Copper	Dissolved	ug/l		<10		1
Copper	Recoverable	ug/l				3
Hardness, Ca, Mg		mg/l CaCO3		228		
Hydrogen ion	Total	mg/l	<0.001	<0.001	<0.001	0.00001
Nitrate + Nitrite	Total	mg/l as N				0.104
Iron	Dissolved	ug/l		24		11
Iron	Recoverable	ug/l				370
Lead	Dissolved	ug/l		<10		<0.5
Lead	Recoverable	ug/l				1
Lithium	Dissolved	ug/l		29		
Magnesium	Dissolved	mg/l		23		
Manganese	Dissolved	ug/l		12		130
Manganese	Recoverable	ug/l				190
Molybdenum	Dissolved	ug/l		<10		
Nitrate	Total	mg/l as N				
Nitrite	Total	mg/l as N				
Organic carbon	Total	mg/l		5.5		
Orthophosphate	Total	mg/l as P				
Oxygen	Dissolved	mg/l	9.7		8	8.6
Oxygen	Dissolved	mg/l				
pH	Total	std units	8.9	8.5	8.9	8.3

Station Number			**382917105225200**	**382917105225200**	**382917105225200**	**382917105225200**
Date			**4/24/1987**	**6/3/1987**	**10/29/1987**	**4/20/1990**
pH	Total	std units				8.3
Phosphate-phosphorus	Total	mg/l				
Potassium	Dissolved	mg/l		3.4		
Silica	Dissolved	mg/l		28		
Sodium	Dissolved	mg/l		33		
Sodium adsorption ratio		None		0.95		
Sodium, percent total cations		%		24		
Specific conductance	Total	uS/cm @25C	394	521	600	736
Specific conductance	Total	uS/cm @25C				708
Stream flow, instantaneous		ft3/s	172	42	8.2	0.54
Stream flow, instantaneous		m3/sec	4.9	1.2	0.23	0.02
Strontium	Dissolved	ug/l		530		
Temperature, water		deg C	6.5	13	13	8
Total dissolved solids	Dissolved	mg/l				451
Vanadium	Dissolved	ug/l		<6		
Zinc	Dissolved	ug/l		12		5
Zinc	Recoverable	ug/l				20

Station Number			382917105225200	382917105225200	382917105225200	382917105225200
Date			5/15/1990	5/22/1990	5/30/1990	6/5/1990
Alkalinity, total	Total	mg/l CaCO3				
Aluminum	Dissolved	ug/l				
Ammonia and ammonium	Total	mg/l N				
Ammonia and ammonium	Total	mg/l NH4				
Barium	Dissolved	ug/l				
Beryllium	Dissolved	ug/l				
Cadmium	Dissolved	ug/l				
Cadmium	Total	ug/l				
Calcium	Dissolved	mg/l				
Carbon dioxide	Total	mg/l				
Cobalt	Dissolved	ug/l				
Copper	Dissolved	ug/l				
Copper	Recoverable	ug/l				
Hardness, Ca, Mg		mg/l CaCO3				
Hydrogen ion	Total	mg/l				
Nitrate + Nitrite	Total	mg/l as N				
Iron	Dissolved	ug/l				
Iron	Recoverable	ug/l				
Lead	Dissolved	ug/l				
Lead	Recoverable	ug/l				
Lithium	Dissolved	ug/l				
Magnesium	Dissolved	mg/l				
Manganese	Dissolved	ug/l				
Manganese	Recoverable	ug/l				
Molybdenum	Dissolved	ug/l				
Nitrate	Total	mg/l as N				
Nitrite	Total	mg/l as N				
Organic carbon	Total	mg/l				
Orthophosphate	Total	mg/l as P				
Oxygen	Dissolved	mg/l				
Oxygen	Dissolved	mg/l				
pH	Total	std units				

Station Number			**382917105225200**	**382917105225200**	**382917105225200**	**382917105225200**
Date			**5/15/1990**	**5/22/1990**	**5/30/1990**	**6/5/1990**
pH	Total	std units				
Phosphate-phosphorus	Total	mg/l				
Potassium	Dissolved	mg/l				
Silica	Dissolved	mg/l				
Sodium	Dissolved	mg/l				
Sodium adsorption ratio		None				
Sodium, percent total cations		%				
Specific conductance	Total	uS/cm @25C	554	600	630	620
Specific conductance	Total	uS/cm @25C				
Stream flow, instantaneous		ft3/s				
Stream flow, instantaneous		m3/sec				
Strontium	Dissolved	ug/l				
Temperature, water		deg C				
Total dissolved solids	Dissolved	mg/l				
Vanadium	Dissolved	ug/l				
Zinc	Dissolved	ug/l				
Zinc	Recoverable	ug/l				

Station Number			382917105225200	382917105225200	382917105225200	382917105225200
Date			6/7/1990	6/11/1990	6/24/1990	7/19/1990
Alkalinity, total	Total	mg/l CaCO3				
Aluminum	Dissolved	ug/l				
Ammonia and ammonium	Total	mg/l N	0.03			0.03
Ammonia and ammonium	Total	mg/l NH4	0.039			0.039
Barium	Dissolved	ug/l				
Beryllium	Dissolved	ug/l				
Cadmium	Dissolved	ug/l	<0.1			0.1
Cadmium	Total	ug/l	<1			<1
Calcium	Dissolved	mg/l				
Carbon dioxide	Total	mg/l				
Cobalt	Dissolved	ug/l				
Copper	Dissolved	ug/l	1			1
Copper	Recoverable	ug/l	5			7
Hardness, Ca, Mg		mg/l CaCO3				
Hydrogen ion	Total	mg/l	<0.001			<0.001
Nitrate + Nitrite	Total	mg/l as N	0.062			0.203
Iron	Dissolved	ug/l	16			10
Iron	Recoverable	ug/l	650			6300
Lead	Dissolved	ug/l	<0.5			<0.5
Lead	Recoverable	ug/l	2			5
Lithium	Dissolved	ug/l				
Magnesium	Dissolved	mg/l				
Manganese	Dissolved	ug/l	69			120
Manganese	Recoverable	ug/l	100			360
Molybdenum	Dissolved	ug/l				
Nitrate	Total	mg/l as N				
Nitrite	Total	mg/l as N				
Organic carbon	Total	mg/l				
Orthophosphate	Total	mg/l as P				
Oxygen	Dissolved	mg/l	7.4			7.8
Oxygen	Dissolved	mg/l				
pH	Total	std units	8.5			8.5

Station Number			382917105225200	382917105225200	382917105225200	382917105225200
Date			6/7/1990	6/11/1990	6/24/1990	7/19/1990
pH	Total	std units	8.4			8.3
Phosphate-phosphorus	Total	mg/l				
Potassium	Dissolved	mg/l				
Silica	Dissolved	mg/l				
Sodium	Dissolved	mg/l				
Sodium adsorption ratio		None				
Sodium, percent total cations		%				
Specific conductance	Total	uS/cm @25C	645	698	699	702
Specific conductance	Total	uS/cm @25C	600			691
Stream flow, instantaneous		ft3/s	2.6			4.7
Stream flow, instantaneous		m3/sec	0.08			0.13
Strontium	Dissolved	ug/l				
Temperature, water		deg C	20			15
Total dissolved solids	Dissolved	mg/l	365			428
Vanadium	Dissolved	ug/l				
Zinc	Dissolved	ug/l	9			<3
Zinc	Recoverable	ug/l	<10			30

Station Number			382917105225200	382917105225200	382917105225200	382917105225200
Date			8/30/1990	8/31/1990	11/1/1990	4/3/1991
Alkalinity, total	Total	mg/l CaCO3				
Aluminum	Dissolved	ug/l				
Ammonia and ammonium	Total	mg/l N	0.02		0.02	
Ammonia and ammonium	Total	mg/l NH4	0.026		0.026	
Barium	Dissolved	ug/l				
Beryllium	Dissolved	ug/l				
Cadmium	Dissolved	ug/l	<0.1		<0.1	
Cadmium	Total	ug/l	<1		<1	
Calcium	Dissolved	mg/l				
Carbon dioxide	Total	mg/l				
Cobalt	Dissolved	ug/l				
Copper	Dissolved	ug/l	1		1	
Copper	Recoverable	ug/l	2		1	
Hardness, Ca, Mg		mg/l CaCO3				
Hydrogen ion	Total	mg/l	<0.001		<0.001	
Nitrate + Nitrite	Total	mg/l as N	0.19		0.02	
Iron	Dissolved	ug/l	15		18	
Iron	Recoverable	ug/l	510		120	
Lead	Dissolved	ug/l	<0.5		<0.5	
Lead	Recoverable	ug/l	1		<1	
Lithium	Dissolved	ug/l				
Magnesium	Dissolved	mg/l				
Manganese	Dissolved	ug/l	100		39	
Manganese	Recoverable	ug/l	140		60	
Molybdenum	Dissolved	ug/l				
Nitrate	Total	mg/l as N			0.02	
Nitrite	Total	mg/l as N			<0.01	
Organic carbon	Total	mg/l				
Orthophosphate	Total	mg/l as P			0.07	
Oxygen	Dissolved	mg/l	7.9		8.6	
Oxygen	Dissolved	mg/l			8.6	
pH	Total	std units	8.4		8.7	

Station Number			382917105225200	382917105225200	382917105225200	382917105225200
Date			8/30/1990	8/31/1990	11/1/1990	4/3/1991
pH	Total	std units	8.3		8.5	
Phosphate-phosphorus	Total	mg/l			0.215	
Potassium	Dissolved	mg/l				
Silica	Dissolved	mg/l				
Sodium	Dissolved	mg/l				
Sodium adsorption ratio		None				
Sodium, percent total cations		%				
Specific conductance	Total	uS/cm @25C	699	673	692	726
Specific conductance	Total	uS/cm @25C	698		689	
Stream flow, instantaneous		ft3/s	2.8		3.6	
Stream flow, instantaneous		m3/sec	0.08		0.1	
Strontium	Dissolved	ug/l				
Temperature, water		deg C	15		11.5	
Total dissolved solids	Dissolved	mg/l	431		416	
Vanadium	Dissolved	ug/l				
Zinc	Dissolved	ug/l	<3		6	
Zinc	Recoverable	ug/l	10		<10	

Station Number			382917105225200	382917105225200	382917105225200	382917105225200
Date			4/25/1991	5/8/1991	5/16/1991	6/12/1991
Alkalinity, total	Total	mg/l CaCO3				
Aluminum	Dissolved	ug/l				
Ammonia and ammonium	Total	mg/l N	0.019			
Ammonia and ammonium	Total	mg/l NH4	0.024			
Barium	Dissolved	ug/l				
Beryllium	Dissolved	ug/l				
Cadmium	Dissolved	ug/l	<0.1			
Cadmium	Total	ug/l	<1			
Calcium	Dissolved	mg/l				
Carbon dioxide	Total	mg/l				
Cobalt	Dissolved	ug/l				
Copper	Dissolved	ug/l	1			
Copper	Recoverable	ug/l	5			
Hardness, Ca, Mg		mg/l CaCO3				
Hydrogen ion	Total	mg/l	0.00001			
Nitrate + Nitrite	Total	mg/l as N	0.103			
Iron	Dissolved	ug/l	16			
Iron	Recoverable	ug/l	220			
Lead	Dissolved	ug/l	0.5			
Lead	Recoverable	ug/l	1			
Lithium	Dissolved	ug/l				
Magnesium	Dissolved	mg/l				
Manganese	Dissolved	ug/l	38			
Manganese	Recoverable	ug/l	50			
Molybdenum	Dissolved	ug/l				
Nitrate	Total	mg/l as N				
Nitrite	Total	mg/l as N				
Organic carbon	Total	mg/l				
Orthophosphate	Total	mg/l as P				
Oxygen	Dissolved	mg/l	8.3			
Oxygen	Dissolved	mg/l				
pH	Total	std units	8.1			

Station Number			382917105225200	382917105225200	382917105225200	382917105225200
Date			4/25/1991	5/8/1991	5/16/1991	6/12/1991
pH	Total	std units	8.2			
Phosphate-phosphorus	Total	mg/l				
Potassium	Dissolved	mg/l				
Silica	Dissolved	mg/l				
Sodium	Dissolved	mg/l				
Sodium adsorption ratio		None				
Sodium, percent total cations		%				
Specific conductance	Total	uS/cm @25C	743	752	758	735
Specific conductance	Total	uS/cm @25C	744			
Stream flow, instantaneous		ft3/s	0.14			
Stream flow, instantaneous		m3/sec	0			
Strontium	Dissolved	ug/l				
Temperature, water		deg C	13			
Total dissolved solids	Dissolved	mg/l	456			
Vanadium	Dissolved	ug/l				
Zinc	Dissolved	ug/l	8			
Zinc	Recoverable	ug/l	10			

Station Number			382917105225200	382917105225200	382917105225200	382917105225200
Date			6/20/1991	6/25/1991	7/18/1991	7/31/1991
Alkalinity, total	Total	mg/l CaCO3				
Aluminum	Dissolved	ug/l				
Ammonia and ammonium	Total	mg/l N	0.019		0.02	
Ammonia and ammonium	Total	mg/l NH4	0.024		0.026	
Barium	Dissolved	ug/l				
Beryllium	Dissolved	ug/l				
Cadmium	Dissolved	ug/l	<0.1		<0.1	
Cadmium	Total	ug/l	<1		<1	
Calcium	Dissolved	mg/l				
Carbon dioxide	Total	mg/l				
Cobalt	Dissolved	ug/l				
Copper	Dissolved	ug/l	1		<1	
Copper	Recoverable	ug/l	3		6	
Hardness, Ca, Mg		mg/l CaCO3				
Hydrogen ion	Total	mg/l	0.00001		0.00001	
Nitrate + Nitrite	Total	mg/l as N	0.018		0.04	
Iron	Dissolved	ug/l	13		18	
Iron	Recoverable	ug/l	150		160	
Lead	Dissolved	ug/l	<0.5		<0.5	
Lead	Recoverable	ug/l	1		5	
Lithium	Dissolved	ug/l				
Magnesium	Dissolved	mg/l				
Manganese	Dissolved	ug/l	73		120	
Manganese	Recoverable	ug/l	90		150	
Molybdenum	Dissolved	ug/l				
Nitrate	Total	mg/l as N				
Nitrite	Total	mg/l as N				
Organic carbon	Total	mg/l				
Orthophosphate	Total	mg/l as P				
Oxygen	Dissolved	mg/l	8.5		7.3	
Oxygen	Dissolved	mg/l				
pH	Total	std units	8.3		8.2	

Station Number			382917105225200	382917105225200	382917105225200	382917105225200
Date			6/20/1991	6/25/1991	7/18/1991	7/31/1991
pH	Total	std units	8.2		8.2	
Phosphate-phosphorus	Total	mg/l				
Potassium	Dissolved	mg/l				
Silica	Dissolved	mg/l				
Sodium	Dissolved	mg/l				
Sodium adsorption ratio		None				
Sodium, percent total cations		%				
Specific conductance	Total	uS/cm @25C	774	728	768	740
Specific conductance	Total	uS/cm @25C	806		783	
Stream flow, instantaneous		ft3/s	0.4		0.7	
Stream flow, instantaneous		m3/sec	0.01		0.02	
Strontium	Dissolved	ug/l				
Temperature, water		deg C	15		17.5	
Total dissolved solids	Dissolved	mg/l	488		460	
Vanadium	Dissolved	ug/l				
Zinc	Dissolved	ug/l	<3		<3	
Zinc	Recoverable	ug/l	<10		<10	

Station Number			382917105225200	382917105225200	382917105225200	382917105225200
Date			10/24/1991	3/12/1992	3/24/1992	4/6/1992
Alkalinity, total	Total	mg/l CaCO3				
Aluminum	Dissolved	ug/l				
Ammonia and ammonium	Total	mg/l N	0.029			
Ammonia and ammonium	Total	mg/l NH4	0.037			
Barium	Dissolved	ug/l				
Beryllium	Dissolved	ug/l				
Cadmium	Dissolved	ug/l	<0.1			
Cadmium	Total	ug/l	<1			
Calcium	Dissolved	mg/l				
Carbon dioxide	Total	mg/l				
Cobalt	Dissolved	ug/l				
Copper	Dissolved	ug/l	<1			
Copper	Recoverable	ug/l	2			
Hardness, Ca, Mg		mg/l CaCO3				
Hydrogen ion	Total	mg/l	<0.001			
Nitrate + Nitrite	Total	mg/l as N	0.034			
Iron	Dissolved	ug/l	31			
Iron	Recoverable	ug/l	170			
Lead	Dissolved	ug/l	0.6			
Lead	Recoverable	ug/l	1			
Lithium	Dissolved	ug/l				
Magnesium	Dissolved	mg/l				
Manganese	Dissolved	ug/l	62			
Manganese	Recoverable	ug/l	80			
Molybdenum	Dissolved	ug/l				
Nitrate	Total	mg/l as N				
Nitrite	Total	mg/l as N				
Organic carbon	Total	mg/l				
Orthophosphate	Total	mg/l as P				
Oxygen	Dissolved	mg/l	8.7			
Oxygen	Dissolved	mg/l				
pH	Total	std units	8.5			

Station Number			382917105225200	382917105225200	382917105225200	382917105225200
Date			10/24/1991	3/12/1992	3/24/1992	4/6/1992
pH	Total	std units	8.2			
Phosphate-phosphorus	Total	mg/l				
Potassium	Dissolved	mg/l				
Silica	Dissolved	mg/l				
Sodium	Dissolved	mg/l				
Sodium adsorption ratio		None				
Sodium, percent total cations		%				
Specific conductance	Total	uS/cm @25C	721	699	701	688
Specific conductance	Total	uS/cm @25C	734			
Stream flow, instantaneous		ft3/s	3.8			
Stream flow, instantaneous		m3/sec	0.11			
Strontium	Dissolved	ug/l				
Temperature, water		deg C	8			
Total dissolved solids	Dissolved	mg/l	4.33			
Vanadium	Dissolved	ug/l				
Zinc	Dissolved	ug/l	3			
Zinc	Recoverable	ug/l	<10			

Station Number			382917105225200	382917105225200	382917105225200	382917105225200
Date			4/10/1992	4/14/1992	4/23/1992	5/22/1992
Alkalinity, total	Total	mg/l CaCO3				
Aluminum	Dissolved	ug/l				
Ammonia and ammonium	Total	mg/l N			0.018	
Ammonia and ammonium	Total	mg/l NH4			0.023	
Barium	Dissolved	ug/l				
Beryllium	Dissolved	ug/l				
Cadmium	Dissolved	ug/l			0.1	
Cadmium	Total	ug/l			<1	
Calcium	Dissolved	mg/l				
Carbon dioxide	Total	mg/l				
Cobalt	Dissolved	ug/l				
Copper	Dissolved	ug/l			<1	
Copper	Recoverable	ug/l			2	
Hardness, Ca, Mg		mg/l CaCO3				
Hydrogen ion	Total	mg/l			<0.001	
Nitrate + Nitrite	Total	mg/l as N			0.133	
Iron	Dissolved	ug/l			8	
Iron	Recoverable	ug/l			870	
Lead	Dissolved	ug/l			<0.5	
Lead	Recoverable	ug/l			<1	
Lithium	Dissolved	ug/l				
Magnesium	Dissolved	mg/l				
Manganese	Dissolved	ug/l			60	
Manganese	Recoverable	ug/l			120	
Molybdenum	Dissolved	ug/l				
Nitrate	Total	mg/l as N				
Nitrite	Total	mg/l as N				
Organic carbon	Total	mg/l				
Orthophosphate	Total	mg/l as P				
Oxygen	Dissolved	mg/l			9.2	
Oxygen	Dissolved	mg/l				
pH	Total	std units			8.6	

Station Number			382917105225200	382917105225200	382917105225200	382917105225200
Date			4/10/1992	4/14/1992	4/23/1992	5/22/1992
pH	Total	std units			8.4	
Phosphate-phosphorus	Total	mg/l				
Potassium	Dissolved	mg/l				
Silica	Dissolved	mg/l				
Sodium	Dissolved	mg/l				
Sodium adsorption ratio		None				
Sodium, percent total cations		%				
Specific conductance	Total	uS/cm @25C	702	741	696	714
Specific conductance	Total	uS/cm @25C			679	
Stream flow, instantaneous		ft3/s			4.2	
Stream flow, instantaneous		m3/sec			0.12	
Strontium	Dissolved	ug/l				
Temperature, water		deg C			7	
Total dissolved solids	Dissolved	mg/l			4.65	
Vanadium	Dissolved	ug/l				
Zinc	Dissolved	ug/l			4	
Zinc	Recoverable	ug/l			20	

Station Number			382917105225200	382917105225200	382917105225200	382917105225200
Date			6/9/1992	6/26/1992	8/13/1992	10/29/1992
Alkalinity, total	Total	mg/l CaCO3				
Aluminum	Dissolved	ug/l				
Ammonia and ammonium	Total	mg/l N		0.137	0.017	0.024
Ammonia and ammonium	Total	mg/l NH4		0.176	0.022	0.031
Barium	Dissolved	ug/l				
Beryllium	Dissolved	ug/l				
Cadmium	Dissolved	ug/l		<0.1	<0.1	<0.1
Cadmium	Total	ug/l		<1	<1	<1
Calcium	Dissolved	mg/l				
Carbon dioxide	Total	mg/l				
Cobalt	Dissolved	ug/l				
Copper	Dissolved	ug/l		2	<1	<1
Copper	Recoverable	ug/l		20	1	<1
Hardness, Ca, Mg		mg/l CaCO3				
Hydrogen ion	Total	mg/l		<0.001	<0.001	<0.001
Nitrate + Nitrite	Total	mg/l as N		0.122	0.055	0.039
Iron	Dissolved	ug/l		71	24	17
Iron	Recoverable	ug/l		7600	110	30
Lead	Dissolved	ug/l		<0.5	<0.5	<0.5
Lead	Recoverable	ug/l		4	<1	<1
Lithium	Dissolved	ug/l				
Magnesium	Dissolved	mg/l				
Manganese	Dissolved	ug/l		16	67	29
Manganese	Recoverable	ug/l		1800	80	<10
Molybdenum	Dissolved	ug/l				
Nitrate	Total	mg/l as N				
Nitrite	Total	mg/l as N				
Organic carbon	Total	mg/l				
Orthophosphate	Total	mg/l as P				
Oxygen	Dissolved	mg/l		7.7	7.8	8.6
Oxygen	Dissolved	mg/l				
pH	Total	std units		8.4	8.4	8.4

Station Number			382917105225200	382917105225200	382917105225200	382917105225200
Date			6/9/1992	6/26/1992	8/13/1992	10/29/1992
pH	Total	std units		7.8	8.4	8.2
Phosphate-phosphorus	Total	mg/l				
Potassium	Dissolved	mg/l				
Silica	Dissolved	mg/l				
Sodium	Dissolved	mg/l				
Sodium adsorption ratio		None				
Sodium, percent total cations		%				
Specific conductance	Total	uS/cm @25C	683	396	696	707
Specific conductance	Total	uS/cm @25C		386	682	706
Stream flow, instantaneous		ft3/s		32	0.68	0.2
Stream flow, instantaneous		m3/sec		0.9	0.02	0.01
Strontium	Dissolved	ug/l				
Temperature, water		deg C		14	17	10.5
Total dissolved solids	Dissolved	mg/l		18.8	0.74	0.22
Vanadium	Dissolved	ug/l				
Zinc	Dissolved	ug/l		<3	<3	<3
Zinc	Recoverable	ug/l		150	<10	<10