

Rosebud Creek Watershed DRAFT Work Plan

Site Information						Current Monitoring			Identified Monitoring Goals		Additional Monitoring Needed	
Project Name	Priority	State	Location			Current \$/yr	Funding Source	Current Parameters/Frequency	\$/yr	Proposed Parameters/Frequency	Added \$/yr	Parameters/Frequency Needed to Meet Goals
			TN	RG	Sec							
Rosebud Creek near Kirby	Med	MT	5S	38E	36	37,600	MT-BLM, Northern Cheyenne Tribe, USGS	C,F,N,S - 12/yr; B - 1/yr; CF	33,300	Core - 12/yr; FM, N - 2/yr; CF	4,300	CM - 12/yr; FM - 2/yr
Rosebud Creek near Colstrip	Low	MT	1S	42E	8	12,600	Northern Cheyenne Tribe, USGS	CF	33,300	Core - 12/yr; FM, N - 2/yr; CF	20,700	Core - 12/yr; FM, N - 2/yr
Rosebud Creek near Rosebud	Med	MT	6N	42E	21	12,600	N.Cheyenne, USGS	CF	33,300	Core - 12/yr; FM, N - 2/yr; CF	20,700	Core - 12/yr; FM, N - 2/yr
Total Cost						\$62,800			\$99,900		\$45,700	

Core = C + F + CM + S

C = Comon Ions (Ca, Mg, Na, K, SO4, Cl, F, Alk, Si, TDS, SAR)

S = Suspended Sediment (TSS)

F = Field Measurements (Q, pH, DO, EC, T, Flow)

N = Nutrients

CM = Core Metals: Al (total), As (dissolved), Ba(total), Be(total), Fe(dissolved), Mn(dissolved), and Se(total)

FM = Full Metals (~ 20 elements)

CF = Continous Flow

B = Biological (invertebrates, algae)

Tongue River Watershed DRAFT Work Plan

Site Information						Current Monitoring			Identified Monitoring Goals		Additional Monitoring Needed	
Project Name	Priority	State	Location			Current \$/yr	Funding Source	Current Parameters/Frequency	\$/yr	Parameters/Frequency	Added \$/yr	Parameters/Frequency Needed to Meet Goals
			TN	RG	Sec							
Tongue River at Monarch, WY	Med	WY	57N	48W	20	57,300	USGS	C,F,S -20/yr; FM, N -12/yr; CC, CF	33,300	Core - 12/yr; FM, N - 2/yr; CF	0	None
Tongue River at State Line	High	MT	9S	40E	33	64,300	MT-BLM, MT-DNRC, USGS	C,F,S -20/yr; FM, N -12/yr; B - 1/yr; CC, CF	33,300	Core - 12/yr; FM, N - 2/yr; CF	0	None
Tongue River below Dam	Med	MT	8S	40E	12	57,300	USGS	C,F,S -20/yr; FM, N -12/yr; CC, CF	33,300	Core - 12/yr; FM, N - 2/yr; CF	0	None
Tongue River at Birney Day School	High	MT	5S	43E	8	57,300	USGS, Northern Cheyenne	C,F,S -20/yr; FM, N -12/yr; CC, CF	33,300	Core - 12/yr; FM, N - 2/yr; CF	0	None
Tongue River at Brandenburg Bridge	Med	MT	1N	44E	14	64,300	MT-BLM, USGS	C,F,S -20/yr; FM, N -12/yr; B - 1/yr; CC, CF	33,300	Core - 12/yr; FM, N - 2/yr; CF	0	None
Tongue River at Miles City	Med	MT	7N	47E	4	57,300	USGS, MT-DNRC, MT-DEQ	C,F,S -20/yr; FM, N -12/yr; CC, CF	33,300	Core - 12/yr; FM, N - 2/yr; CF	0	None
Goose Creek near Acme	Med	WY	57N	84W	22	46,600	USGS, WY-SEO	C,N,FM,S,F - 12/yr; CC, CF	23,800	Core - 6/yr; FM, N - 2/yr; CF	0	None
Prairie Dog Creek near Acme	Med	WY	58N	83W	23	46,600	USGS, WY-BLM, WY-DEQ	C,N,FM,S,F - 12/yr; CC, CF	23,800	Core - 6/yr; FM, N - 2/yr; CF	0	None
Hanging Woman Creek near Birney	Med	MT	6S	43E	19	53,600	MT-BLM, USGS	C,N,FM,S,F - 12/yr; B - 1/yr; CC, CF	23,800	Core - 6/yr; FM, N - 2/yr; CF	0	None
Otter Creek near Ashland	Med	MT	3S	44E	11	46,600	MT-BLM, USGS	C,N,FM,S,F - 12/yr; CC, CF	23,800	Core - 6/yr; FM, N - 2/yr; CF	0	None
Pumpkin Creek near Miles City	Med	MT	6N	48E	29	46,600	USGS	C,N,FM,S,F - 12/yr; CC, CF	23,800	Core - 6/yr; FM, N - 2/yr; CF	0	None
Total Cost						\$597,800			\$318,800		\$0	

Core = C + F + CM + S

C = Comon Ions (Ca, Mg, Na, K, SO4, Cl, F, Alk, Si, TDS, SAR)

S = Suspended Sediment (TSS)

F = Field Measurements (Q, pH, DO, EC, T, Flow)

N = Nutrients

B = Biological (invertebrates, algae)

CM = Core Metals: Al (total), As (dissolved), Ba(total), Be(total), Fe(dissolved), Mn(dissolved), and Se(total)

FM = Full Metals (~ 20 elements)

CF = Continous Flow

CC = Continous Conductance

Powder River Watershed DRAFT Work Plan

Site Information						Current Monitoring			Identified Monitoring Goals		Additional Monitoring Needed	
Project Name	Priority	State	Location			Current \$/yr	Funding Source	Current Parameters/Frequency	\$/yr	Proposed Parameters/Frequency	Added \$/yr	Parameters/Frequency Needed to Meet Goals
			TN	RG	Sec							
Powder River near Sussex	Med	WY	43N	79W	13	52,600	WDEQ, USGS	C,F - 24/yr; CF, CC	33,300	Core - 12/yr; FM, N - 2/yr; CF	5,300	CM - 12/yr; FM, N - 2/yr; S - 12/yr
Powder River below Burger Draw	Med	WY	48N	77W	5	34,600	WDEQ, USGS	C,CM,F - 12/yr; CF	33,300	Core - 12/yr; FM, N - 2/yr; CF	2,300	FM, N - 2/yr; S - 12/yr
Powder River at Arvada	Med	WY	52N	77W	10	56,600	WSEO, WDEQ, USGS	C,CM,F - 24/yr; CF	33,300	Core - 12/yr; FM, N - 2/yr; CF	2,300	FM, N - 2/yr; S - 12/yr
Powder River at Moorhead	High	MT	9S	48E	8	68,600	DNRC, WDEQ, MDEQ, USGS	C,FM, N, S,F - 24/yr; CF, CC	33,300	Core - 12/yr; FM, N - 2/yr; CF	0	None
Powder River near Powderville	Med	MT	1S	54E	17	0	None	None	33,300	Core - 12/yr; FM, N - 2/yr; CF	33,300	Core - 12/yr; FM, N - 2/yr; CF
Powder River near Locate	Med	MT	8N	51E	23	36,600	MDNRC, MDEQ, USGS	C,FM,N,S,F - 12/yr; CF	33,300	Core - 12/yr; FM, N - 2/yr; CF	0	None
Crazy Woman Creek near Arvada	Med	WY	52N	77W	17	65,600	WDEQ, USGS	C,CM,F - 24/yr; N,S - 4/yr; CF, CC	23,800	Core - 6/yr; FM, N - 2/yr; CF	1,700	FM - 2/yr; S - 8/yr
Clear Creek near Arvada	Med	WY	57N	76W	31	64,600	WDEQ, USGS	C,CM,F - 24/yr; CF, CC	23,800	Core - 6/yr; FM, N - 2/yr; CF	2,000	FM, N - 2/yr; S - 6/yr
Little Powder River near Weston	Low	WY	54N	70W	19	34,600	WSEO,WDEQ, MDEQ,USGS	C,CM,F - 12/yr; CF	23,800	Core - 6/yr; FM, N - 2/yr; CF	2,000	FM, N - 2/yr; S - 6/yr
Little Powder River near Broadus	Med	MT	5S	52E	28	26,000	MDEQ, USGS	C,FM, N,S,F - 12/yr;	23,800	Core - 6/yr; FM, N - 2/yr; CF	12,600	CF
Mizpah at Mizpah	Low	MT	6N	51E	24	0	None	None	23,800	Core - 6/yr; FM, N - 2/yr; CF	23,800	Core - 6/yr; FM, N - 2/yr; CF
Total Cost						\$439,800			\$318,800		\$85,300	

Core = C + F + CM + S

C = Comon Ions (Ca, Mg, Na, K, SO4, Cl, F, Alk, Si, TDS, SAR)

S = Suspended Sediment (TSS)

F = Field Measurements (Q, pH, DO, EC, T, Flow)

N = Nutrients

B = Biological (invertebrates, algae)

CM = Core Metals: Al (total), As (dissolved), Ba(total), Be(total), Fe(dissolved), Mn(dissolved), and Se(total)

FM = Full Metals: (~ 20 elements)

CF = Continous Flow

CC = Continous Conductance

Belle Fourche River Watershed DRAFT Work Plan

Site Information						Current Monitoring			Identified Monitoring Goals		Additional Monitoring Needed	
Project Name	Priority	State	Location			Current \$/yr	Funding Source	Current Parameters/Frequency	\$/yr	Proposed Parameters/Frequency	Added \$/yr	Parameters/Frequency Needed to Meet Goals
			TN	RG	Sec							
Hay Creek	Med	WY	46N	71W	30	16,000	WDEQ	C, F, CM - 12/yr	23,800	Core - 6/yr; FM, N - 2/yr; CF	14,600	CF; S-6/yr; FM, N-2/yr
Belle Fourche River below Rattlesnake Creek near Piney, WY	High	WY	46N	71W	9	16,000	WDEQ/USGS	C, F, CM - 12/yr	33,300	Core - 12/yr; FM, N - 2/yr; CF	14,900	CF; S-12/yr; FM, N-2/yr
Cabello Creek at Highway 59	Med	WY	47N	72W	1	16,000	WDEQ	C, F, CM - 12/yr	23,800	Core - 6/yr; FM, N - 2/yr; CF	14,600	CF; S-6/yr; FM, N-2/yr
Caballo Creek at mouth near Piney, WY	Med	WY	47N	70W	4	16,000	WDEQ/USGS	C, F, CM - 12/yr	23,800	Core - 6/yr; FM, N - 2/yr; CF	14,600	CF; S-6/yr; FM, N-2/yr
Donkey Creek near Moorcroft, WY	Med	WY	50N	68W	30	16,000	WDEQ/USGS	C, F, CM - 12/yr	23,800	Core - 6/yr; FM, N - 2/yr; CF	14,600	CF; S-6/yr; FM, N-2/yr
Belle Fourche River below Moorcroft, WY	High	WY	50N	68W	24	30,000	WDEQ/USGS	C, F, CM - 12/yr, CF	33,300	Core - 12/yr; FM, N - 2/yr; CF	2,300	S-12/yr; FM, N-2/yr
Belle Fourche River below Hulett, WY	High	WY	54N	64W	6	16,000	WDEQ/USGS	C, F, CM - 12/yr	33,300	Core - 12/yr; FM, N - 2/yr; CF	14,900	CF; S-12/yr; FM, N-2/yr
Belle Fourche River at WY-SD Stateline	High	SD	9N	1E	18	12,600	USGS	CF	33,300	Core - 12/yr; FM, N - 2/yr; CF	20,700	Core-12/yr; N, FM-2/yr
Total Cost						\$ 138,600			\$ 228,400		\$ 111,200	

Core = C + F + CM + S

C = Comon Ions (Ca, Mg, Na, K, SO4, Cl, F, Alk, Si, TDS, SAR)

S = Suspended Sediment (TSS)

F = Field Measurements (Q, pH, DO, EC, T, Flow)

N = Nutrients

B = Biological (invertebrates, algae)

M=Metals

CM = Core Metals: Al (total), As (dissolved), Ba(total), Be(total), Fe(dissolved), Mn(dissolved), and Se(total)

FM = Full Metals: (~ 20 elements)

CF = Continous Flow

CC = Continuous Conductance

Cheyenne River Watershed DRAFT Work Plan

Site Information						Current Monitoring			Identified Monitoring Goals		Additional Monitoring Needed	
Project Name	Priority	State	Location			Current \$/yr	Funding Source	Current Parameters/Frequency	\$/yr	Proposed Parameters/Frequency	Added \$/yr	Parameters/Frequency Needed to Meet Goals
			TN	RG	Sec							
Porcupine Creek near Teckla, WY	Med	WY	42N	71W	25	16,000	WDEQ/USGS	C, F, CM - 12/yr	23,800	Core - 6/yr; FM, N - 2/yr; CF	14,600	CF; S-6/yr; FM, N-2/yr
Antelope Creek near Teckla, WY	Med	WY	41N	70W	35	16,000	WDEQ/USGS	C, F, CM - 12/yr	23,800	Core - 6/yr; FM, N - 2/yr; CF	14,600	CF; S-6/yr; FM, N-2/yr
Antelope Creek (downstream from Antelope Creek near Teckla, WY)	Med	WY	40N	69W	9	16,000	WDEQ	C, F, CM - 12/yr	23,800	Core - 6/yr; FM, N - 2/yr; CF	14,600	CF; S-6/yr; FM, N-2/yr
Cheyenne River near Dull Center, WY	High	WY	40N	71W	30	16,000	WDEQ	C, F, CM - 12/yr	33,300	Core - 12/yr; FM, N - 2/yr; CF	14,900	CF; S-12/yr; FM, N-2/yr
Little Thunder Creek near Hampshire, WY	Med	WY	43N	67W	33	16,000	WDEQ	C, F, CM - 12/yr	23,800	Core - 6/yr; FM, N - 2/yr; CF	14,600	CF; S-6/yr; FM, N-2/yr
Black Thunder Creek near Hampshire, WY	Med	WY	42N	65W	30	16,000	WDEQ/USGS	C, F, CM - 12/yr	23,800	Core - 6/yr; FM, N - 2/yr; CF	14,600	CF; S-6/yr; FM, N-2/yr
Cheyenne River at Riverview, WY	High	WY	40N	61W	21	16,000	WDEQ/USGS	C, F, CM - 12/yr	33,300	Core - 12/yr; FM, N - 2/yr; CF	14,900	CF; S-12/yr; FM, N-2/yr
Cheyenne River near Spencer, WY	High	WY	40N	61W	25	42,000	SDDENR	CC, CT, CF	33,300	Core - 12/yr; FM, N - 2/yr; CF	20,700	core-12/yr; N,FM-2/yr
Total Cost \$ 154,000									\$ 218,900		\$ 123,500	

Core = C + F + CM + S

C = Common Ions (Ca, Mg, Na, K, SO₄, Cl, F, Alk, Si, TDS, SAR)

S = Suspended Sediment (TSS)

F = Field Measurements (Q, pH, DO, EC, T, Flow)

N = Nutrients

B = Biological (invertebrates, algae)

M=Metals

CM = Core Metals: Al (total), As (dissolved), Ba(total), Be(total), Fe(dissolved), Mn(dissolved), and Se(total)

FM = Full Metals: (~ 20 elements)

CF = Continuous Flow

CC = Continuous Conductance

Rosebud near Kirby

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Parameter Groups				
Q (CF)	X	X	X	X	X	X	X	X	X	X	X	X		Field	Common Ions	Core Parameters	Full Suite
pH	X	X	X	X	X	X	X	X	X	X	X	X					
DO	X	X	X	X	X	X	X	X	X	X	X	X					
EC	X	X	X	X	X	X	X	X	X	X	X	X					
T	X	X	X	X	X	X	X	X	X	X	X	X					
Alk	X	X	X	X	X	X	X	X	X	X	X	X					
Ca	X	X	X	X	X	X	X	X	X	X	X	X					
Mg	X	X	X	X	X	X	X	X	X	X	X	X					
Na	X	X	X	X	X	X	X	X	X	X	X	X					
K	X	X	X	X	X	X	X	X	X	X	X	X					
SO4	X	X	X	X	X	X	X	X	X	X	X	X					
Cl	X	X	X	X	X	X	X	X	X	X	X	X					
F	X	X	X	X	X	X	X	X	X	X	X	X					
Si	X	X	X	X	X	X	X	X	X	X	X	X					
TDS (calc)	X	X	X	X	X	X	X	X	X	X	X	X					
TSS	X	X	X	X	X	X	X	X	X	X	X	X		Sed			
Al (total)														Core Metals			
As (dissolved)																	
Ba (total)																	
Be (total)																	
Fe (dissolved)																	
Mn (dissolved)																	
Se (total)																	
Nutrients	X	X	X	X	X	X	X	X	X	X	X	X					
Full Metals Scan																	

Shading = Identified
 X = Current

Rosebud near Colstrip

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Parameter Groups				
Q (CF)	X	X	X	X	X	X	X	X	X	X	X	X		Field	Common Ions	Core Parameters	Full Suite
pH																	
DO																	
EC																	
T																	
Alk																	
Ca																	
Mg																	
Na																	
K																	
SO4																	
Cl																	
F																	
Si																	
TDS (calc)																	
TSS														Sed			
Al (total)														Core Metals			
As (dissolved)																	
Ba (total)																	
Be (total)																	
Fe (dissolved)																	
Mn (dissolved)																	
Se (total)																	
Nutrients																	
Full Metals Scan																	

Shading = Identified
 X = Current

Rosebud near Rosebud

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Parameter Groups			
Q (CF)	X	X	X	X	X	X	X	X	X	X	X	X		Field	Core Parameters	Full Suite
pH																
DO																
EC																
T														Common Ions		
Alk																
Ca																
Mg																
Na														Sed		
K																
SO4																
Cl																
F														Core Metals		
Si																
TDS (calc)																
TSS																
Al (total)														Nutrients		
As (dissolved)																
Ba (total)																
Be (total)																
Fe (dissolved)														Full Metals Scan		
Mn (dissolved)																
Se (total)																
Nutrients																
Full Metals Scan																

Shading = Identified
 X = Current

Tongue River at Monarch, WY

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Parameter Groups		
Q (CF)	X	X	X	X	X	X	X	X	X	X	X	X	Field	Core Parameters	Full Suite
pH	X	X	X	X	X	X	X	X	X	X	X	X			
DO	X	X	X	X	X	X	X	X	X	X	X	X			
EC	X	X	X	X	X	X	X	X	X	X	X	X			
Continuous EC	X	X	X	X	X	X	X	X	X	X	X	X			
T	X	X	X	X	X	X	X	X	X	X	X	X			
Alk	X	X	X	X	X	X	X	X	X	X	X	X			
Ca	X	X	X	X	X	X	X	X	X	X	X	X			
Mg	X	X	X	X	X	X	X	X	X	X	X	X			
Na	X	X	X	X	X	X	X	X	X	X	X	X			
K	X	X	X	X	X	X	X	X	X	X	X	X			
SO4	X	X	X	X	X	X	X	X	X	X	X	X			
Cl	X	X	X	X	X	X	X	X	X	X	X	X			
F	X	X	X	X	X	X	X	X	X	X	X	X			
Si	X	X	X	X	X	X	X	X	X	X	X	X			
TDS (calc)	X	X	X	X	X	X	X	X	X	X	X	X			
TSS	X	X	X	X	X	X	X	X	X	X	X	X	Sed		
Al (total)	X	X	X	X	X	X	X	X	X	X	X	X			
As (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X	Core Metals		
Ba (total)	X	X	X	X	X	X	X	X	X	X	X	X			
Be (total)	X	X	X	X	X	X	X	X	X	X	X	X			
Fe (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X			
Mn (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X			
Se (total)	X	X	X	X	X	X	X	X	X	X	X	X			
Nutrients	X	X	X	X	X	X	X	X	X	X	X	X			
Full Metals Scan	X	X	X	X	X	X	X	X	X	X	X	X			

Shading = Identified
X = Current

Tongue River at State Line

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Parameter Groups		
Q (CF)	X	X	X	X	X	X	X	X	X	X	X	X	Field	Core Parameters	Full Suite
pH	X	X	X	X	X	X	X	X	X	X	X	X			
DO	X	X	X	X	X	X	X	X	X	X	X	X			
EC	X	X	X	X	X	X	X	X	X	X	X	X			
Continuous EC	X	X	X	X	X	X	X	X	X	X	X	X			
T	X	X	X	X	X	X	X	X	X	X	X	X			
Alk	X	X	X	X	X	X	X	X	X	X	X	X			
Ca	X	X	X	X	X	X	X	X	X	X	X	X			
Mg	X	X	X	X	X	X	X	X	X	X	X	X			
Na	X	X	X	X	X	X	X	X	X	X	X	X			
K	X	X	X	X	X	X	X	X	X	X	X	X			
SO4	X	X	X	X	X	X	X	X	X	X	X	X			
Cl	X	X	X	X	X	X	X	X	X	X	X	X			
F	X	X	X	X	X	X	X	X	X	X	X	X			
Si	X	X	X	X	X	X	X	X	X	X	X	X			
TDS (calc)	X	X	X	X	X	X	X	X	X	X	X	X			
TSS	X	X	X	X	X	X	X	X	X	X	X	X	Sed		
Al (total)	X	X	X	X	X	X	X	X	X	X	X	X			
As (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X	Core Metals		
Ba (total)	X	X	X	X	X	X	X	X	X	X	X	X			
Be (total)	X	X	X	X	X	X	X	X	X	X	X	X			
Fe (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X			
Mn (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X			
Se (total)	X	X	X	X	X	X	X	X	X	X	X	X			
Nutrients	X	X	X	X	X	X	X	X	X	X	X	X			
Full Metals Scan	X	X	X	X	X	X	X	X	X	X	X	X			
Biological					X								Bio		

Shading = Identified
X = Current

Tongue River below Dam

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Parameter Groups	
Q (CF)	X	X	X	X	X	X	X	X	X	X	X	X	Field	Core Parameters Full Suite
pH	X	X	X	X	X	X	X	X	X	X	X	X		
DO	X	X	X	X	X	X	X	X	X	X	X	X		
EC	X	X	X	X	X	X	X	X	X	X	X	X		
Continuous EC	X	X	X	X	X	X	X	X	X	X	X	X	Common Ions	
T	X	X	X	X	X	X	X	X	X	X	X	X		
Alk	X	X	X	X	X	X	X	X	X	X	X	X		
Ca	X	X	X	X	X	X	X	X	X	X	X	X		
Mg	X	X	X	X	X	X	X	X	X	X	X	X		
Na	X	X	X	X	X	X	X	X	X	X	X	X		
K	X	X	X	X	X	X	X	X	X	X	X	X		
SO4	X	X	X	X	X	X	X	X	X	X	X	X		
Cl	X	X	X	X	X	X	X	X	X	X	X	X		
F	X	X	X	X	X	X	X	X	X	X	X	X		
Si	X	X	X	X	X	X	X	X	X	X	X	X		
TDS (calc)	X	X	X	X	X	X	X	X	X	X	X	X		Sed
TSS	X	X	X	X	X	X	X	X	X	X	X	X		
Al (total)	X	X	X		X		X		X		X	X	Core Metals	
As (dissolved)	X	X	X		X		X		X		X	X		
Ba (total)	X	X	X		X		X		X		X	X		
Be (total)	X	X	X		X		X		X		X	X		
Fe (dissolved)	X	X	X		X		X		X		X	X		
Mn (dissolved)	X	X	X		X		X		X		X	X		
Se (total)	X	X	X		X		X		X		X	X		
Nutrients	X	X	X		X		X		X		X	X		
Full Metals Scan	X	X	X		X		X		X		X	X		

Shading = Identified
X = Current

Tongue River at Birney Day School, MT

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Parameter Groups	
Q (CF)	X	X	X	X	X	X	X	X	X	X	X	X	Field	Core Parameters Full Suite
pH	X	X	X	X	X	X	X	X	X	X	X	X		
DO	X	X	X	X	X	X	X	X	X	X	X	X		
EC	X	X	X	X	X	X	X	X	X	X	X	X		
Continuous EC	X	X	X	X	X	X	X	X	X	X	X	X	Common Ions	
T	X	X	X	X	X	X	X	X	X	X	X	X		
Alk	X	X	X	X	X	X	X	X	X	X	X	X		
Ca	X	X	X	X	X	X	X	X	X	X	X	X		
Mg	X	X	X	X	X	X	X	X	X	X	X	X		
Na	X	X	X	X	X	X	X	X	X	X	X	X		
K	X	X	X	X	X	X	X	X	X	X	X	X		
SO4	X	X	X	X	X	X	X	X	X	X	X	X		
Cl	X	X	X	X	X	X	X	X	X	X	X	X		
F	X	X	X	X	X	X	X	X	X	X	X	X		
Si	X	X	X	X	X	X	X	X	X	X	X	X		
TDS (calc)	X	X	X	X	X	X	X	X	X	X	X	X		Sed
TSS	X	X	X	X	X	X	X	X	X	X	X	X		
Al (total)	X	X	X		X		X		X		X	X	Core Metals	
As (dissolved)	X	X	X		X		X		X		X	X		
Ba (total)	X	X	X		X		X		X		X	X		
Be (total)	X	X	X		X		X		X		X	X		
Fe (dissolved)	X	X	X		X		X		X		X	X		
Mn (dissolved)	X	X	X		X		X		X		X	X		
Se (total)	X	X	X		X		X		X		X	X		
Nutrients	X	X	X		X		X		X		X	X		
Full Metals Scan	X	X	X		X		X		X		X	X		

Shading = Identified
X = Current

Tongue River at Brandenburg Bridge, MT

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Parameter Groups	
Q (CF)	X	X	X	X	X	X	X	X	X	X	X	X	Field	Core Parameters Full Suite
pH	X	X	X	X	X	X	X	X	X	X	X	X		
DO	X	X	X	X	X	X	X	X	X	X	X	X		
EC	X	X	X	X	X	X	X	X	X	X	X	X		
Continuous EC	X	X	X	X	X	X	X	X	X	X	X	X	Common Ions	
T	X	X	X	X	X	X	X	X	X	X	X	X		
Alk	X	X	X	X	X	X	X	X	X	X	X	X		
Ca	X	X	X	X	X	X	X	X	X	X	X	X		
Mg	X	X	X	X	X	X	X	X	X	X	X	X		
Na	X	X	X	X	X	X	X	X	X	X	X	X		
K	X	X	X	X	X	X	X	X	X	X	X	X		
SO4	X	X	X	X	X	X	X	X	X	X	X	X		
Cl	X	X	X	X	X	X	X	X	X	X	X	X		
F	X	X	X	X	X	X	X	X	X	X	X	X		
Si	X	X	X	X	X	X	X	X	X	X	X	X		
TDS (calc)	X	X	X	X	X	X	X	X	X	X	X	X		Sed
TSS	X	X	X	X	X	X	X	X	X	X	X	X		
Al (total)	X	X	X	X	X	X	X	X	X	X	X	X		
As (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X	Core Metals	
Ba (total)	X	X	X	X	X	X	X	X	X	X	X	X		
Be (total)	X	X	X	X	X	X	X	X	X	X	X	X		
Fe (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X		
Mn (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X		
Se (total)	X	X	X	X	X	X	X	X	X	X	X	X		
Nutrients	X	X	X	X	X	X	X	X	X	X	X	X		
Full Metals Scan	X	X	X	X	X	X	X	X	X	X	X	X		
Biological					X								Bio	

Shading = Identified
X = Current

Tongue River at Miles City, MT

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Parameter Groups	
Q (CF)	X	X	X	X	X	X	X	X	X	X	X	X	Field	Core Parameters Full Suite
pH	X	X	X	X	X	X	X	X	X	X	X	X		
DO	X	X	X	X	X	X	X	X	X	X	X	X		
EC	X	X	X	X	X	X	X	X	X	X	X	X		
Continuous EC	X	X	X	X	X	X	X	X	X	X	X	X	Common Ions	
T	X	X	X	X	X	X	X	X	X	X	X	X		
Alk	X	X	X	X	X	X	X	X	X	X	X	X		
Ca	X	X	X	X	X	X	X	X	X	X	X	X		
Mg	X	X	X	X	X	X	X	X	X	X	X	X		
Na	X	X	X	X	X	X	X	X	X	X	X	X		
K	X	X	X	X	X	X	X	X	X	X	X	X		
SO4	X	X	X	X	X	X	X	X	X	X	X	X		
Cl	X	X	X	X	X	X	X	X	X	X	X	X		
F	X	X	X	X	X	X	X	X	X	X	X	X		
Si	X	X	X	X	X	X	X	X	X	X	X	X		
TDS (calc)	X	X	X	X	X	X	X	X	X	X	X	X		Sed
TSS	X	X	X	X	X	X	X	X	X	X	X	X		
Al (total)	X	X	X	X	X	X	X	X	X	X	X	X		
As (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X	Core Metals	
Ba (total)	X	X	X	X	X	X	X	X	X	X	X	X		
Be (total)	X	X	X	X	X	X	X	X	X	X	X	X		
Fe (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X		
Mn (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X		
Se (total)	X	X	X	X	X	X	X	X	X	X	X	X		
Nutrients	X	X	X	X	X	X	X	X	X	X	X	X		
Full Metals Scan	X	X	X	X	X	X	X	X	X	X	X	X		

Shading = Identified
X = Current

Goose Creek near Acme, WY

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Parameter Groups		
Q (CF)	X	X	X	X	X	X	X	X	X	X	X	X	Field	Core Parameters	Full Suite
pH	X	X	X	X	X	X	X	X	X	X	X	X			
DO	X	X	X	X	X	X	X	X	X	X	X	X			
EC	X	X	X	X	X	X	X	X	X	X	X	X			
Continuous EC	X	X	X	X	X	X	X	X	X	X	X	X			
T	X	X	X	X	X	X	X	X	X	X	X	X			
Alk	X	X	X	X	X	X	X	X	X	X	X	X			
Ca	X	X	X	X	X	X	X	X	X	X	X	X			
Mg	X	X	X	X	X	X	X	X	X	X	X	X			
Na	X	X	X	X	X	X	X	X	X	X	X	X			
K	X	X	X	X	X	X	X	X	X	X	X	X			
SO4	X	X	X	X	X	X	X	X	X	X	X	X			
Cl	X	X	X	X	X	X	X	X	X	X	X	X			
F	X	X	X	X	X	X	X	X	X	X	X	X			
Si	X	X	X	X	X	X	X	X	X	X	X	X			
TDS (calc)	X	X	X	X	X	X	X	X	X	X	X	X			
TSS	X	X	X	X	X	X	X	X	X	X	X	X	Sed		
Al (total)	X	X	X	X	X	X	X	X	X	X	X	X			
As (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X	Core Metals		
Ba (total)	X	X	X	X	X	X	X	X	X	X	X	X			
Be (total)	X	X	X	X	X	X	X	X	X	X	X	X			
Fe (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X			
Mn (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X			
Se (total)	X	X	X	X	X	X	X	X	X	X	X	X			
Nutrients	X	X	X	X	X	X	X	X	X	X	X	X			
Full Metals Scan	X	X	X	X	X	X	X	X	X	X	X	X			

Note: These are really 12/year, not one per month. They are weighted towards the irrigation season/high flows (per JL, USGS).

Shading = Identified
X = Current

Prairie Dog Creek near Acme, WY

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Parameter Groups		
Q (CF)	X	X	X	X	X	X	X	X	X	X	X	X	Field	Core Parameters	Full Suite
pH	X	X	X	X	X	X	X	X	X	X	X	X			
DO	X	X	X	X	X	X	X	X	X	X	X	X			
EC	X	X	X	X	X	X	X	X	X	X	X	X			
Continuous EC	X	X	X	X	X	X	X	X	X	X	X	X			
T	X	X	X	X	X	X	X	X	X	X	X	X			
Alk	X	X	X	X	X	X	X	X	X	X	X	X			
Ca	X	X	X	X	X	X	X	X	X	X	X	X			
Mg	X	X	X	X	X	X	X	X	X	X	X	X			
Na	X	X	X	X	X	X	X	X	X	X	X	X			
K	X	X	X	X	X	X	X	X	X	X	X	X			
SO4	X	X	X	X	X	X	X	X	X	X	X	X			
Cl	X	X	X	X	X	X	X	X	X	X	X	X			
F	X	X	X	X	X	X	X	X	X	X	X	X			
Si	X	X	X	X	X	X	X	X	X	X	X	X			
TDS (calc)	X	X	X	X	X	X	X	X	X	X	X	X			
TSS	X	X	X	X	X	X	X	X	X	X	X	X	Sed		
Al (total)	X	X	X	X	X	X	X	X	X	X	X	X			
As (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X	Core Metals		
Ba (total)	X	X	X	X	X	X	X	X	X	X	X	X			
Be (total)	X	X	X	X	X	X	X	X	X	X	X	X			
Fe (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X			
Mn (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X			
Se (total)	X	X	X	X	X	X	X	X	X	X	X	X			
Nutrients	X	X	X	X	X	X	X	X	X	X	X	X			
Full Metals Scan	X	X	X	X	X	X	X	X	X	X	X	X			

Note: These are really 12/year, not one per month. They are weighted towards the irrigation season/high flows (per JL, USGS).

Shading = Identified
X = Current

Hanging Woman Creek near Birney, MT

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Parameter Groups		
Q (CF)	X	X	X	X	X	X	X	X	X	X	X	X		Field	Core Parameters Full Suite
pH	X	X	X	X	X	X	X	X	X	X	X	X			
DO	X	X	X	X	X	X	X	X	X	X	X	X			
EC	X	X	X	X	X	X	X	X	X	X	X	X			
Continuous EC	X	X	X	X	X	X	X	X	X	X	X	X			
T	X	X	X	X	X	X	X	X	X	X	X	X			
Alk	X	X	X	X	X	X	X	X	X	X	X	X			
Ca	X	X	X	X	X	X	X	X	X	X	X	X			
Mg	X	X	X	X	X	X	X	X	X	X	X	X			
Na	X	X	X	X	X	X	X	X	X	X	X	X			
K	X	X	X	X	X	X	X	X	X	X	X	X			
SO4	X	X	X	X	X	X	X	X	X	X	X	X			
Cl	X	X	X	X	X	X	X	X	X	X	X	X			
F	X	X	X	X	X	X	X	X	X	X	X	X			
Si	X	X	X	X	X	X	X	X	X	X	X	X			
TDS (calc)	X	X	X	X	X	X	X	X	X	X	X	X			
TSS	X	X	X	X	X	X	X	X	X	X	X	X			
Al (total)	X	X	X	X	X	X	X	X	X	X	X	X			
As (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X			
Ba (total)	X	X	X	X	X	X	X	X	X	X	X	X			
Be (total)	X	X	X	X	X	X	X	X	X	X	X	X			
Fe (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X			
Mn (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X			
Se (total)	X	X	X	X	X	X	X	X	X	X	X	X			
Nutrients	X	X	X	X	X	X	X	X	X	X	X	X			
Full Metals Scan	X	X	X	X	X	X	X	X	X	X	X	X			

Note: These are really 12/year, not one per month. They are weighted towards the irrigation season/high flows (per JL, USGS).

Shading = Identified
X = Current

Otter Creek near Ashland, MT

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Parameter Groups		
Q (CF)	X	X	X	X	X	X	X	X	X	X	X	X		Field	Core Parameters Full Suite
pH	X	X	X	X	X	X	X	X	X	X	X	X			
DO	X	X	X	X	X	X	X	X	X	X	X	X			
EC	X	X	X	X	X	X	X	X	X	X	X	X			
Continuous EC	X	X	X	X	X	X	X	X	X	X	X	X			
T	X	X	X	X	X	X	X	X	X	X	X	X			
Alk	X	X	X	X	X	X	X	X	X	X	X	X			
Ca	X	X	X	X	X	X	X	X	X	X	X	X			
Mg	X	X	X	X	X	X	X	X	X	X	X	X			
Na	X	X	X	X	X	X	X	X	X	X	X	X			
K	X	X	X	X	X	X	X	X	X	X	X	X			
SO4	X	X	X	X	X	X	X	X	X	X	X	X			
Cl	X	X	X	X	X	X	X	X	X	X	X	X			
F	X	X	X	X	X	X	X	X	X	X	X	X			
Si	X	X	X	X	X	X	X	X	X	X	X	X			
TDS (calc)	X	X	X	X	X	X	X	X	X	X	X	X			
TSS	X	X	X	X	X	X	X	X	X	X	X	X			
Al (total)	X	X	X	X	X	X	X	X	X	X	X	X			
As (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X			
Ba (total)	X	X	X	X	X	X	X	X	X	X	X	X			
Be (total)	X	X	X	X	X	X	X	X	X	X	X	X			
Fe (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X			
Mn (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X			
Se (total)	X	X	X	X	X	X	X	X	X	X	X	X			
Nutrients	X	X	X	X	X	X	X	X	X	X	X	X			
Full Metals Scan	X	X	X	X	X	X	X	X	X	X	X	X			

Note: These are really 12/year, not one per month. They are weighted towards the irrigation season/high flows (per JL, USGS).

Shading = Identified
X = Current

Pumpkin Creek near Miles City, MT

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Parameter Groups		
Q (CF)	X	X	X	X	X	X	X	X	X	X	X	X	Field	Core Parameters	Full Suite
pH	X	X	X	X	X	X	X	X	X	X	X	X			
DO	X	X	X	X	X	X	X	X	X	X	X	X			
EC	X	X	X	X	X	X	X	X	X	X	X	X			
Continuous EC	X	X	X	X	X	X	X	X	X	X	X	X	Common Ions		
T	X	X	X	X	X	X	X	X	X	X	X	X			
Alk	X	X	X	X	X	X	X	X	X	X	X	X			
Ca	X	X	X	X	X	X	X	X	X	X	X	X			
Mg	X	X	X	X	X	X	X	X	X	X	X	X			
Na	X	X	X	X	X	X	X	X	X	X	X	X			
K	X	X	X	X	X	X	X	X	X	X	X	X			
SO4	X	X	X	X	X	X	X	X	X	X	X	X			
Cl	X	X	X	X	X	X	X	X	X	X	X	X			
F	X	X	X	X	X	X	X	X	X	X	X	X			
Si	X	X	X	X	X	X	X	X	X	X	X	X			
TDS (calc)	X	X	X	X	X	X	X	X	X	X	X	X		Sed	
TSS	X	X	X	X	X	X	X	X	X	X	X	X			
Al (total)	X	X	X	X	X	X	X	X	X	X	X	X	Core Metals		
As (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X			
Ba (total)	X	X	X	X	X	X	X	X	X	X	X	X			
Be (total)	X	X	X	X	X	X	X	X	X	X	X	X			
Fe (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X			
Mn (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X			
Se (total)	X	X	X	X	X	X	X	X	X	X	X	X			
Nutrients	X	X	X	X	X	X	X	X	X	X	X	X			
Full Metals Scan	X	X	X	X	X	X	X	X	X	X	X	X			

Shading = Identified
X = Current

Note: These are really 12/year, not one per month. They are weighted towards the irrigation season/high flows (per JL, USGS).

Powder River near Sussex, WY

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Parameter Groups		
Q (CF)	X	X	X	X	X	X	X	X	X	X	X	X	Field	Core Parameters	Full Suite
pH	X	X	X	X	X	X	X	X	X	X	X	X			
DO	X	X	X	X	X	X	X	X	X	X	X	X			
EC	X	X	X	X	X	X	X	X	X	X	X	X			
T	X	X	X	X	X	X	X	X	X	X	X	X	Common Ions		
Alk	X	X	X	X	X	X	X	X	X	X	X	X			
Ca	X	X	X	X	X	X	X	X	X	X	X	X			
Mg	X	X	X	X	X	X	X	X	X	X	X	X			
Na	X	X	X	X	X	X	X	X	X	X	X	X	Common Ions		
K	X	X	X	X	X	X	X	X	X	X	X	X			
SO4	X	X	X	X	X	X	X	X	X	X	X	X			
Cl	X	X	X	X	X	X	X	X	X	X	X	X			
F	X	X	X	X	X	X	X	X	X	X	X	X	Common Ions		
Si	X	X	X	X	X	X	X	X	X	X	X	X			
TDS (calc)	X	X	X	X	X	X	X	X	X	X	X	X			
TSS														Sed	
Al (total)													Core Metals		
As (dissolved)															
Ba (total)															
Be (total)															
Fe (dissolved)															
Mn (dissolved)															
Se (total)															
Nutrients															
Full Metals Scan															

Shading = Identified
X = Current

Powder River below Burger Draw

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Parameter Groups		
Q (CF)	X	X	X	X	X	X	X	X	X	X	X	X	Field	Core Parameters	Full Suite
pH	X	X	X	X	X	X	X	X	X	X	X	X			
DO	X	X	X	X	X	X	X	X	X	X	X	X			
EC	X	X	X	X	X	X	X	X	X	X	X	X			
T	X	X	X	X	X	X	X	X	X	X	X	X	Common Ions		
Alk	X	X	X	X	X	X	X	X	X	X	X	X			
Ca	X	X	X	X	X	X	X	X	X	X	X	X			
Mg	X	X	X	X	X	X	X	X	X	X	X	X			
Na	X	X	X	X	X	X	X	X	X	X	X	X	Common Ions		
K	X	X	X	X	X	X	X	X	X	X	X	X			
SO4	X	X	X	X	X	X	X	X	X	X	X	X			
Cl	X	X	X	X	X	X	X	X	X	X	X	X			
F	X	X	X	X	X	X	X	X	X	X	X	X	Common Ions		
Si	X	X	X	X	X	X	X	X	X	X	X	X			
TDS (calc)	X	X	X	X	X	X	X	X	X	X	X	X			
TSS														Sed	
Al (total)	X	X	X	X	X	X	X	X	X	X	X	X	Core Metals		
As (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X			
Ba (total)	X	X	X	X	X	X	X	X	X	X	X	X			
Be (total)	X	X	X	X	X	X	X	X	X	X	X	X			
Fe (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X			
Mn (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X			
Se (total)	X	X	X	X	X	X	X	X	X	X	X	X			
Nutrients															
Full Metals Scan	X	X	X	X	X	X	X	X	X	X	X	X			

Shading = Identified
X = Current

Powder River at Arvada, WY

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Parameter Groups		
Q (CF)	X	X	X	X	X	X	X	X	X	X	X	X	Field	Core Parameters	Full Suite
pH	X	X	X	X	X	X	X	X	X	X	X	X			
DO	X	X	X	X	X	X	X	X	X	X	X	X			
EC	X	X	X	X	X	X	X	X	X	X	X	X			
T	X	X	X	X	X	X	X	X	X	X	X	X			
Alk	X	X	X	X	X	X	X	X	X	X	X	X			
Ca	X	X	X	X	X	X	X	X	X	X	X	X			
Mg	X	X	X	X	X	X	X	X	X	X	X	X			
Na	X	X	X	X	X	X	X	X	X	X	X	X			
K	X	X	X	X	X	X	X	X	X	X	X	X			
SO4	X	X	X	X	X	X	X	X	X	X	X	X			
Cl	X	X	X	X	X	X	X	X	X	X	X	X			
F	X	X	X	X	X	X	X	X	X	X	X	X			
Si	X	X	X	X	X	X	X	X	X	X	X	X			
TDS (calc)	X	X	X	X	X	X	X	X	X	X	X	X			
TSS													Sed		
Al (total)	X	X	X	X	X	X	X	X	X	X	X	X			
As (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X	Core Metals		
Ba (total)	X	X	X	X	X	X	X	X	X	X	X	X			
Be (total)	X	X	X	X	X	X	X	X	X	X	X	X			
Fe (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X			
Mn (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X			
Se (total)	X	X	X	X	X	X	X	X	X	X	X	X			
Nutrients															
Full Metals Scan	X	X	X	X	X	X	X	X	X	X	X	X			

Shading = Identified
X = Current

Powder River at Moorhead, MT (State Line)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Parameter Groups		
Q (CF)	X	X	X	X	X	X	X	X	X	X	X	X	Field	Core Parameters	Full Suite
pH	X	X	X	X	X	X	X	X	X	X	X	X			
DO	X	X	X	X	X	X	X	X	X	X	X	X			
EC	X	X	X	X	X	X	X	X	X	X	X	X			
Continuous EC	X	X	X	X	X	X	X	X	X	X	X	X			
T	X	X	X	X	X	X	X	X	X	X	X	X			
Alk	X	X	X	X	X	X	X	X	X	X	X	X			
Ca	X	X	X	X	X	X	X	X	X	X	X	X			
Mg	X	X	X	X	X	X	X	X	X	X	X	X			
Na	X	X	X	X	X	X	X	X	X	X	X	X			
K	X	X	X	X	X	X	X	X	X	X	X	X			
SO4	X	X	X	X	X	X	X	X	X	X	X	X			
Cl	X	X	X	X	X	X	X	X	X	X	X	X			
F	X	X	X	X	X	X	X	X	X	X	X	X			
Si	X	X	X	X	X	X	X	X	X	X	X	X			
TDS (calc)	X	X	X	X	X	X	X	X	X	X	X	X			
TSS	X	X	X	X	X	X	X	X	X	X	X	X	Sed		
Al (total)	X	X	X	X	X	X	X	X	X	X	X	X			
As (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X	Core Metals		
Ba (total)	X	X	X	X	X	X	X	X	X	X	X	X			
Be (total)	X	X	X	X	X	X	X	X	X	X	X	X			
Fe (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X			
Mn (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X			
Se (total)	X	X	X	X	X	X	X	X	X	X	X	X			
Nutrients	X	X	X	X	X	X	X	X	X	X	X	X			
Full Metals Scan	X	X	X	X	X	X	X	X	X	X	X	X			

Shading = Identified
X = Current

Powder River at Powderville

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Parameter Groups		
Q (CF)													Field	Core Parameters	Full Suite
pH															
DO															
EC															
T															
Alk													Common Ions		
Ca															
Mg															
Na															
K															
SO4													Sed		
Cl															
F															
Si															
TDS (calc)															
TSS													Core Metals		
Al (total)															
As (dissolved)															
Ba (total)															
Be (total)															
Fe (dissolved)															
Mn (dissolved)															
Se (total)															
Nutrients													Core Parameters		
Full Metals Scan															

Shading = Identified
 X = Current

Powder River near Locate

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Parameter Groups		
Q (CF)	X	X	X	X	X	X	X	X	X	X	X	X	Field	Core Parameters	Full Suite
pH	X	X	X	X	X	X	X	X	X	X	X	X			
DO	X	X	X	X	X	X	X	X	X	X	X	X			
EC	X	X	X	X	X	X	X	X	X	X	X	X			
T	X	X	X	X	X	X	X	X	X	X	X	X			
Alk	X	X	X	X	X	X	X	X	X	X	X	X	Common Ions		
Ca	X	X	X	X	X	X	X	X	X	X	X	X			
Mg	X	X	X	X	X	X	X	X	X	X	X	X			
Na	X	X	X	X	X	X	X	X	X	X	X	X			
K	X	X	X	X	X	X	X	X	X	X	X	X			
SO4	X	X	X	X	X	X	X	X	X	X	X	X	Sed		
Cl	X	X	X	X	X	X	X	X	X	X	X	X			
F	X	X	X	X	X	X	X	X	X	X	X	X			
Si	X	X	X	X	X	X	X	X	X	X	X	X			
TDS (calc)	X	X	X	X	X	X	X	X	X	X	X	X			
TSS	X	X	X	X	X	X	X	X	X	X	X	X	Core Metals		
Al (total)	X	X	X	X	X	X	X	X	X	X	X	X			
As (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X			
Ba (total)	X	X	X	X	X	X	X	X	X	X	X	X			
Be (total)	X	X	X	X	X	X	X	X	X	X	X	X			
Fe (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X			
Mn (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X			
Se (total)	X	X	X	X	X	X	X	X	X	X	X	X			
Nutrients	X	X	X	X	X	X	X	X	X	X	X	X	Core Parameters		
Full Metals Scan	X	X	X	X	X	X	X	X	X	X	X	X			

Shading = Identified
 X = Current

Crazy Woman Creek near Arvada

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Parameter Groups		
Q (CF)	X	X	X	X	X	X	X	X	X	X	X	X	X	Field	Core Parameters Full Suite
pH	X	X	X	X	X	X	X	X	X	X	X	X	X		
DO	X	X	X	X	X	X	X	X	X	X	X	X	X		
EC	X	X	X	X	X	X	X	X	X	X	X	X	X		
Continuous EC	X	X	X	X	X	X	X	X	X	X	X	X	X		
T	X	X	X	X	X	X	X	X	X	X	X	X	X		
Alk	X	X	X	X	X	X	X	X	X	X	X	X	X		
Ca	X	X	X	X	X	X	X	X	X	X	X	X	X		
Mg	X	X	X	X	X	X	X	X	X	X	X	X	X		
Na	X	X	X	X	X	X	X	X	X	X	X	X	X		
K	X	X	X	X	X	X	X	X	X	X	X	X	X		
SO4	X	X	X	X	X	X	X	X	X	X	X	X	X		
Cl	X	X	X	X	X	X	X	X	X	X	X	X	X		
F	X	X	X	X	X	X	X	X	X	X	X	X	X		
Si	X	X	X	X	X	X	X	X	X	X	X	X	X		
TDS (calc)	X	X	X	X	X	X	X	X	X	X	X	X	X		
TSS					X		X		X		X			Sed	
Al (total)	X	X	X	X	X	X	X	X	X	X	X	X	X	Core Metals	
As (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X	X		
Ba (total)	X	X	X	X	X	X	X	X	X	X	X	X	X		
Be (total)	X	X	X	X	X	X	X	X	X	X	X	X	X		
Fe (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X	X		
Mn (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X	X		
Se (total)	X	X	X	X	X	X	X	X	X	X	X	X	X		
Nutrients					X		X		X		X				
Full Metals Scan	X	X	X	X	X	X	X	X	X	X	X	X	X		

Shading = Identified
X = Current

Clear Creek near Arvada

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Parameter Groups		
Q (CF)	X	X	X	X	X	X	X	X	X	X	X	X	X	Field	Core Parameters Full Suite
pH	X	X	X	X	X	X	X	X	X	X	X	X	X		
DO	X	X	X	X	X	X	X	X	X	X	X	X	X		
EC	X	X	X	X	X	X	X	X	X	X	X	X	X		
Continuous EC	X	X	X	X	X	X	X	X	X	X	X	X	X		
T	X	X	X	X	X	X	X	X	X	X	X	X	X		
Alk	X	X	X	X	X	X	X	X	X	X	X	X	X		
Ca	X	X	X	X	X	X	X	X	X	X	X	X	X		
Mg	X	X	X	X	X	X	X	X	X	X	X	X	X		
Na	X	X	X	X	X	X	X	X	X	X	X	X	X		
K	X	X	X	X	X	X	X	X	X	X	X	X	X		
SO4	X	X	X	X	X	X	X	X	X	X	X	X	X		
Cl	X	X	X	X	X	X	X	X	X	X	X	X	X		
F	X	X	X	X	X	X	X	X	X	X	X	X	X		
Si	X	X	X	X	X	X	X	X	X	X	X	X	X		
TDS (calc)	X	X	X	X	X	X	X	X	X	X	X	X	X		
TSS														Sed	
Al (total)	X	X	X	X	X	X	X	X	X	X	X	X	X	Core Metals	
As (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X	X		
Ba (total)	X	X	X	X	X	X	X	X	X	X	X	X	X		
Be (total)	X	X	X	X	X	X	X	X	X	X	X	X	X		
Fe (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X	X		
Mn (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X	X		
Se (total)	X	X	X	X	X	X	X	X	X	X	X	X	X		
Nutrients															
Full Metals Scan	X	X	X	X	X	X	X	X	X	X	X	X	X		

Shading = Identified
X = Current

Little Powder River near Weston, WY

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Parameter Groups			
Q (CF)	X	X	X	X	X	X	X	X	X	X	X	X	X	Field	Core Parameters	Full Suite
pH	X	X	X	X	X	X	X	X	X	X	X	X	X			
DO	X	X	X	X	X	X	X	X	X	X	X	X	X			
EC	X	X	X	X	X	X	X	X	X	X	X	X	X			
T	X	X	X	X	X	X	X	X	X	X	X	X	X	Common Ions		
Alk	X	X	X	X	X	X	X	X	X	X	X	X	X			
Ca	X	X	X	X	X	X	X	X	X	X	X	X	X			
Mg	X	X	X	X	X	X	X	X	X	X	X	X	X			
Na	X	X	X	X	X	X	X	X	X	X	X	X	X	Sed		
K	X	X	X	X	X	X	X	X	X	X	X	X	X			
SO4	X	X	X	X	X	X	X	X	X	X	X	X	X			
Cl	X	X	X	X	X	X	X	X	X	X	X	X	X			
F	X	X	X	X	X	X	X	X	X	X	X	X	X	Core Metals		
Si	X	X	X	X	X	X	X	X	X	X	X	X	X			
TDS (calc)	X	X	X	X	X	X	X	X	X	X	X	X	X			
TSS																
Al (total)	X	X	X	X	X	X	X	X	X	X	X	X	X	Nutrients		
As (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X	X			
Ba (total)	X	X	X	X	X	X	X	X	X	X	X	X	X			
Be (total)	X	X	X	X	X	X	X	X	X	X	X	X	X			
Fe (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X	X			
Mn (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X	X			
Se (total)	X	X	X	X	X	X	X	X	X	X	X	X	X			
Nutrients																
Full Metals Scan	X	X	X	X	X	X	X	X	X	X	X	X	X			

Shading = Identified
X = Current

Little Powder River near Broadus, MT

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Parameter Groups			
Q (CF)	X	X	X	X	X	X	X	X	X	X	X	X	X	Field	Core Parameters	Full Suite
pH	X	X	X	X	X	X	X	X	X	X	X	X	X			
DO	X	X	X	X	X	X	X	X	X	X	X	X	X			
EC	X	X	X	X	X	X	X	X	X	X	X	X	X			
T	X	X	X	X	X	X	X	X	X	X	X	X	X	Common Ions		
Alk	X	X	X	X	X	X	X	X	X	X	X	X	X			
Ca	X	X	X	X	X	X	X	X	X	X	X	X	X			
Mg	X	X	X	X	X	X	X	X	X	X	X	X	X			
Na	X	X	X	X	X	X	X	X	X	X	X	X	X	Sed		
K	X	X	X	X	X	X	X	X	X	X	X	X	X			
SO4	X	X	X	X	X	X	X	X	X	X	X	X	X			
Cl	X	X	X	X	X	X	X	X	X	X	X	X	X			
F	X	X	X	X	X	X	X	X	X	X	X	X	X	Core Metals		
Si	X	X	X	X	X	X	X	X	X	X	X	X	X			
TDS (calc)	X	X	X	X	X	X	X	X	X	X	X	X	X			
TSS	X	X	X	X	X	X	X	X	X	X	X	X	X			
Al (total)	X	X	X	X	X	X	X	X	X	X	X	X	X	Nutrients		
As (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X	X			
Ba (total)	X	X	X	X	X	X	X	X	X	X	X	X	X			
Be (total)	X	X	X	X	X	X	X	X	X	X	X	X	X			
Fe (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X	X			
Mn (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X	X			
Se (total)	X	X	X	X	X	X	X	X	X	X	X	X	X			
Nutrients	X	X	X	X	X	X	X	X	X	X	X	X	X			
Full Metals Scan	X	X	X	X	X	X	X	X	X	X	X	X	X			

Shading = Identified
X = Current

Mizpah Creek at Mizpah, MT

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Parameter Groups			
Q (CF)														Field	Core Parameters	Full Suite
pH																
DO																
EC																
T																
Alk														Common Ions		
Ca																
Mg																
Na																
K																
SO4																
Cl																
F																
Si																
TDS (calc)																
TSS														Sed		
Al (total)														Core Metals		
As (dissolved)																
Ba (total)																
Be (total)																
Fe (dissolved)																
Mn (dissolved)																
Se (total)																
Nutrients																
Full Metals Scan																

Shading = Identified
 X = Current

Belle Fourche River below Rattlesnake Creek near Piney, WY

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Parameter								
Q	X	X	X	X	X	X	X	X	X	X	X	X	Field								
pH	X	X	X	X	X	X	X	X	X	X	X	X		Common Ions							
DO	X	X	X	X	X	X	X	X	X	X	X	X			Core Parameters						
EC	X	X	X	X	X	X	X	X	X	X	X	X				Full Suite					
T	X	X	X	X	X	X	X	X	X	X	X	X					Sed				
Alk	X	X	X	X	X	X	X	X	X	X	X	X						Core Metals			
Ca	X	X	X	X	X	X	X	X	X	X	X	X							Nutrients		
Mg	X	X	X	X	X	X	X	X	X	X	X	X								Full Metals Scan	
Na	X	X	X	X	X	X	X	X	X	X	X	X									
K	X	X	X	X	X	X	X	X	X	X	X	X									
SO4	X	X	X	X	X	X	X	X	X	X	X	X									
Cl	X	X	X	X	X	X	X	X	X	X	X	X									
F	X	X	X	X	X	X	X	X	X	X	X	X									
Si	X	X	X	X	X	X	X	X	X	X	X	X									
TDS (calc)	X	X	X	X	X	X	X	X	X	X	X	X									
TSS																					
Al (total)	X	X	X	X	X	X	X	X	X	X	X	X									
As (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X									
Ba (total)	X	X	X	X	X	X	X	X	X	X	X	X									
Be (total)	X	X	X	X	X	X	X	X	X	X	X	X									
Fe (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X									
Mn (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X									
Se (total)	X	X	X	X	X	X	X	X	X	X	X	X									
Nutrients																					
Full Metals Scan	X	X	X	X	X	X	X	X	X	X	X	X									

Shading = Identified

X = Current

Cabello Creek at Highway 59

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Parameter								
Q	X	X	X	X	X	X	X	X	X	X	X	X	Field								
pH	X	X	X	X	X	X	X	X	X	X	X	X		Common Ions							
DO	X	X	X	X	X	X	X	X	X	X	X	X			Core Parameters						
EC	X	X	X	X	X	X	X	X	X	X	X	X				Full Suite					
T	X	X	X	X	X	X	X	X	X	X	X	X					Sed				
Alk	X	X	X	X	X	X	X	X	X	X	X	X						Core Metals			
Ca	X	X	X	X	X	X	X	X	X	X	X	X							Nutrients		
Mg	X	X	X	X	X	X	X	X	X	X	X	X								Full Metals Scan	
Na	X	X	X	X	X	X	X	X	X	X	X	X									
K	X	X	X	X	X	X	X	X	X	X	X	X									
SO4	X	X	X	X	X	X	X	X	X	X	X	X									
Cl	X	X	X	X	X	X	X	X	X	X	X	X									
F	X	X	X	X	X	X	X	X	X	X	X	X									
Si	X	X	X	X	X	X	X	X	X	X	X	X									
TDS (calc)	X	X	X	X	X	X	X	X	X	X	X	X									
TSS																					
Al (total)	X	X	X	X	X	X	X	X	X	X	X	X									
As (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X									
Ba (total)	X	X	X	X	X	X	X	X	X	X	X	X									
Be (total)	X	X	X	X	X	X	X	X	X	X	X	X									
Fe (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X									
Mn (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X									
Se (total)	X	X	X	X	X	X	X	X	X	X	X	X									
Nutrients																					
Full Metals Scan	X	X	X	X	X	X	X	X	X	X	X	X									

Shading = Identified

X = Current

Cabello Creek at mouth near Piney, WY

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Parameter		
Q	X	X	X	X	X	X	X	X	X	X	X	X	Field	Core Parameters Full Suite	
pH	X	X	X	X	X	X	X	X	X	X	X	X			Common Ions
DO	X	X	X	X	X	X	X	X	X	X	X	X			
EC	X	X	X	X	X	X	X	X	X	X	X	X			
T	X	X	X	X	X	X	X	X	X	X	X	X	Core Metals		
Alk	X	X	X	X	X	X	X	X	X	X	X	X			
Ca	X	X	X	X	X	X	X	X	X	X	X	X			
Mg	X	X	X	X	X	X	X	X	X	X	X	X			
Na	X	X	X	X	X	X	X	X	X	X	X	X			
K	X	X	X	X	X	X	X	X	X	X	X	X			
SO4	X	X	X	X	X	X	X	X	X	X	X	X			
Cl	X	X	X	X	X	X	X	X	X	X	X	X			
F	X	X	X	X	X	X	X	X	X	X	X	X			
Si	X	X	X	X	X	X	X	X	X	X	X	X			
TDS (calc)	X	X	X	X	X	X	X	X	X	X	X	X			
TSS														Sed	
Al (total)	X	X	X	X	X	X	X	X	X	X	X	X	Core Metals		
As (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X			
Ba (total)	X	X	X	X	X	X	X	X	X	X	X	X			
Be (total)	X	X	X	X	X	X	X	X	X	X	X	X			
Fe (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X			
Mn (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X			
Se (total)	X	X	X	X	X	X	X	X	X	X	X	X			
Nutrients															
Full Metals Scan	X	X	X	X	X	X	X	X	X	X	X	X			

Shading = Identified
X = Current

Donkey Creek near Moorcroft, WY

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Parameter		
Q	X	X	X	X	X	X	X	X	X	X	X	X	Field	Core Parameters Full Suite	
pH	X	X	X	X	X	X	X	X	X	X	X	X			Common Ions
DO	X	X	X	X	X	X	X	X	X	X	X	X			
EC	X	X	X	X	X	X	X	X	X	X	X	X			
T	X	X	X	X	X	X	X	X	X	X	X	X	Core Metals		
Alk	X	X	X	X	X	X	X	X	X	X	X	X			
Ca	X	X	X	X	X	X	X	X	X	X	X	X			
Mg	X	X	X	X	X	X	X	X	X	X	X	X			
Na	X	X	X	X	X	X	X	X	X	X	X	X			
K	X	X	X	X	X	X	X	X	X	X	X	X			
SO4	X	X	X	X	X	X	X	X	X	X	X	X			
Cl	X	X	X	X	X	X	X	X	X	X	X	X			
F	X	X	X	X	X	X	X	X	X	X	X	X			
Si	X	X	X	X	X	X	X	X	X	X	X	X			
TDS (calc)	X	X	X	X	X	X	X	X	X	X	X	X			
TSS														Sed	
Al (total)	X	X	X	X	X	X	X	X	X	X	X	X	Core Metals		
As (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X			
Ba (total)	X	X	X	X	X	X	X	X	X	X	X	X			
Be (total)	X	X	X	X	X	X	X	X	X	X	X	X			
Fe (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X			
Mn (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X			
Se (total)	X	X	X	X	X	X	X	X	X	X	X	X			
Nutrients															
Full Metals Scan	X	X	X	X	X	X	X	X	X	X	X	X			

Shading = Identified
X = Current

Belle Fourche River below Moorecroft, WY

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Parameter		
Q (CF)	X	X	X	X	X	X	X	X	X	X	X	X	Field	Core Parameters	Full Suite
pH	X	X	X	X	X	X	X	X	X	X	X	X			
DO	X	X	X	X	X	X	X	X	X	X	X	X			
EC	X	X	X	X	X	X	X	X	X	X	X	X			
T	X	X	X	X	X	X	X	X	X	X	X	X			
Alk	X	X	X	X	X	X	X	X	X	X	X	X			
Ca	X	X	X	X	X	X	X	X	X	X	X	X			
Mg	X	X	X	X	X	X	X	X	X	X	X	X			
Na	X	X	X	X	X	X	X	X	X	X	X	X			
K	X	X	X	X	X	X	X	X	X	X	X	X			
SO4	X	X	X	X	X	X	X	X	X	X	X	X			
Cl	X	X	X	X	X	X	X	X	X	X	X	X			
F	X	X	X	X	X	X	X	X	X	X	X	X			
Si	X	X	X	X	X	X	X	X	X	X	X	X			
TDS (calc)	X	X	X	X	X	X	X	X	X	X	X	X			
TSS													Sed		
Al (total)	X	X	X	X	X	X	X	X	X	X	X	X	Core Metals	Core Parameters	Full Suite
As (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X			
Ba (total)	X	X	X	X	X	X	X	X	X	X	X	X			
Be (total)	X	X	X	X	X	X	X	X	X	X	X	X			
Fe (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X			
Mn (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X			
Se (total)	X	X	X	X	X	X	X	X	X	X	X	X			
Nutrients															
Full Metals Scan	X	X	X	X	X	X	X	X	X	X	X	X			

Shading = Identified
X = Current

Belle Fourche River below Hulett, WY

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Parameter		
Q	X	X	X	X	X	X	X	X	X	X	X	X	Field	Core Parameters	Full Suite
pH	X	X	X	X	X	X	X	X	X	X	X	X			
DO	X	X	X	X	X	X	X	X	X	X	X	X			
EC	X	X	X	X	X	X	X	X	X	X	X	X			
T	X	X	X	X	X	X	X	X	X	X	X	X			
Alk	X	X	X	X	X	X	X	X	X	X	X	X			
Ca	X	X	X	X	X	X	X	X	X	X	X	X			
Mg	X	X	X	X	X	X	X	X	X	X	X	X			
Na	X	X	X	X	X	X	X	X	X	X	X	X			
K	X	X	X	X	X	X	X	X	X	X	X	X			
SO4	X	X	X	X	X	X	X	X	X	X	X	X			
Cl	X	X	X	X	X	X	X	X	X	X	X	X			
F	X	X	X	X	X	X	X	X	X	X	X	X			
Si	X	X	X	X	X	X	X	X	X	X	X	X			
TDS (calc)	X	X	X	X	X	X	X	X	X	X	X	X			
TSS													Sed		
Al (total)	X	X	X	X	X	X	X	X	X	X	X	X	Core Metals	Core Parameters	Full Suite
As (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X			
Ba (total)	X	X	X	X	X	X	X	X	X	X	X	X			
Be (total)	X	X	X	X	X	X	X	X	X	X	X	X			
Fe (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X			
Mn (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X			
Se (total)	X	X	X	X	X	X	X	X	X	X	X	X			
Nutrients															
Full Metals Scan	X	X	X	X	X	X	X	X	X	X	X	X			

Shading = Identified
X = Current

Belle Fourche River at WY-SD State Line

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Parameter
Q (CF)	X	X	X	X	X	X	X	X	X	X	X	X	
pH													Field
DO													
EC													
T													
Alk													Common Ions
Ca													
Mg													
Na													
K													
SO4													
Cl													
F													
Si													
TDS (calc)													
TSS													Sed
Al (total)													Core Metals
As (dissolved)													
Ba (total)													
Be (total)													
Fe (dissolved)													
Mn (dissolved)													
Se (total)													
Nutrients													
Full Metals Scan													

Shading = Identified
X = Current

Porcupine Creek near Teckla, WY

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Parameter Groups				
Q	X	X	X	X	X	X	X	X	X	X	X	X		Field	Common Ions	Core Parameters	Full Suite
pH	X	X	X	X	X	X	X	X	X	X	X	X					
DO	X	X	X	X	X	X	X	X	X	X	X	X					
EC	X	X	X	X	X	X	X	X	X	X	X	X					
T	X	X	X	X	X	X	X	X	X	X	X	X					
Alk	X	X	X	X	X	X	X	X	X	X	X	X					
Ca	X	X	X	X	X	X	X	X	X	X	X	X					
Mg	X	X	X	X	X	X	X	X	X	X	X	X					
Na	X	X	X	X	X	X	X	X	X	X	X	X					
K	X	X	X	X	X	X	X	X	X	X	X	X					
SO4	X	X	X	X	X	X	X	X	X	X	X	X					
Cl	X	X	X	X	X	X	X	X	X	X	X	X					
F	X	X	X	X	X	X	X	X	X	X	X	X					
Si	X	X	X	X	X	X	X	X	X	X	X	X					
TDS (calc)	X	X	X	X	X	X	X	X	X	X	X	X					
TSS														Sed			
Al (total)	X	X	X	X	X	X	X	X	X	X	X	X		Core Metals			
As (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X					
Ba (total)	X	X	X	X	X	X	X	X	X	X	X	X					
Be (total)	X	X	X	X	X	X	X	X	X	X	X	X					
Fe (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X					
Mn (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X					
Se (total)	X	X	X	X	X	X	X	X	X	X	X	X					
Nutrients																	
Full Metals Scan	X	X	X	X	X	X	X	X	X	X	X	X					

Shading = Identified
X = Current

Antelope Creek near Teckla, WY

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Parameter				
Q	X	X	X	X	X	X	X	X	X	X	X	X		Field	Common Ions	Core Parameters	Full Suite
pH	X	X	X	X	X	X	X	X	X	X	X	X					
DO	X	X	X	X	X	X	X	X	X	X	X	X					
EC	X	X	X	X	X	X	X	X	X	X	X	X					
T	X	X	X	X	X	X	X	X	X	X	X	X					
Alk	X	X	X	X	X	X	X	X	X	X	X	X					
Ca	X	X	X	X	X	X	X	X	X	X	X	X					
Mg	X	X	X	X	X	X	X	X	X	X	X	X					
Na	X	X	X	X	X	X	X	X	X	X	X	X					
K	X	X	X	X	X	X	X	X	X	X	X	X					
SO4	X	X	X	X	X	X	X	X	X	X	X	X					
Cl	X	X	X	X	X	X	X	X	X	X	X	X					
F	X	X	X	X	X	X	X	X	X	X	X	X					
Si	X	X	X	X	X	X	X	X	X	X	X	X					
TDS (calc)	X	X	X	X	X	X	X	X	X	X	X	X					
TSS														Sed			
Al (total)	X	X	X	X	X	X	X	X	X	X	X	X		Core Metals			
As (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X					
Ba (total)	X	X	X	X	X	X	X	X	X	X	X	X					
Be (total)	X	X	X	X	X	X	X	X	X	X	X	X					
Fe (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X					
Mn (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X					
Se (total)	X	X	X	X	X	X	X	X	X	X	X	X					
Nutrients																	
Full Metals Scan	X	X	X	X	X	X	X	X	X	X	X	X					

Shading = Identified
X = Current

Cheyenne River near Dull Center, WY

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Parameter	
Q	X	X	X	X	X	X	X	X	X	X	X	X	Field	Core Parameters Full Suite
pH	X	X	X	X	X	X	X	X	X	X	X	X		
DO	X	X	X	X	X	X	X	X	X	X	X	X		
EC	X	X	X	X	X	X	X	X	X	X	X	X		
T	X	X	X	X	X	X	X	X	X	X	X	X	Common Ions	
Alk	X	X	X	X	X	X	X	X	X	X	X	X		
Ca	X	X	X	X	X	X	X	X	X	X	X	X		
Mg	X	X	X	X	X	X	X	X	X	X	X	X		
Na	X	X	X	X	X	X	X	X	X	X	X	X		
K	X	X	X	X	X	X	X	X	X	X	X	X		
SO4	X	X	X	X	X	X	X	X	X	X	X	X		
Cl	X	X	X	X	X	X	X	X	X	X	X	X		
F	X	X	X	X	X	X	X	X	X	X	X	X		
Si	X	X	X	X	X	X	X	X	X	X	X	X		
TDS (calc)	X	X	X	X	X	X	X	X	X	X	X	X	Sed	
TSS														
Al (total)	X	X	X	X	X	X	X	X	X	X	X	X	Core Metals	
As (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X		
Ba (total)	X	X	X	X	X	X	X	X	X	X	X	X		
Be (total)	X	X	X	X	X	X	X	X	X	X	X	X		
Fe (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X		
Mn (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X		
Se (total)	X	X	X	X	X	X	X	X	X	X	X	X		
Nutrients														
Full Metals Scan	X	X	X	X	X	X	X	X	X	X	X	X		

Shading = Identified
X = Current

Little Thunder Creek near Hampshire, WY

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Parameter	
Q	X	X	X	X	X	X	X	X	X	X	X	X	Field	Core Parameters Full Suite
pH	X	X	X	X	X	X	X	X	X	X	X	X		
DO	X	X	X	X	X	X	X	X	X	X	X	X		
EC	X	X	X	X	X	X	X	X	X	X	X	X		
T	X	X	X	X	X	X	X	X	X	X	X	X	Common Ions	
Alk	X	X	X	X	X	X	X	X	X	X	X	X		
Ca	X	X	X	X	X	X	X	X	X	X	X	X		
Mg	X	X	X	X	X	X	X	X	X	X	X	X		
Na	X	X	X	X	X	X	X	X	X	X	X	X		
K	X	X	X	X	X	X	X	X	X	X	X	X		
SO4	X	X	X	X	X	X	X	X	X	X	X	X		
Cl	X	X	X	X	X	X	X	X	X	X	X	X		
F	X	X	X	X	X	X	X	X	X	X	X	X		
Si	X	X	X	X	X	X	X	X	X	X	X	X		
TDS (calc)	X	X	X	X	X	X	X	X	X	X	X	X	Sed	
TSS														
Al (total)	X	X	X	X	X	X	X	X	X	X	X	X	Core Metals	
As (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X		
Ba (total)	X	X	X	X	X	X	X	X	X	X	X	X		
Be (total)	X	X	X	X	X	X	X	X	X	X	X	X		
Fe (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X		
Mn (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X		
Se (total)	X	X	X	X	X	X	X	X	X	X	X	X		
Nutrients														
Full Metals Scan	X	X	X	X	X	X	X	X	X	X	X	X		

Shading = Identified
X = Current

Black Thunder Creek near Hampshire, WY

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Parameter	
Q	X	X	X	X	X	X	X	X	X	X	X	X	Field	
pH	X	X	X	X	X	X	X	X	X	X	X	X		Common Ions
DO	X	X	X	X	X	X	X	X	X	X	X	X		
EC	X	X	X	X	X	X	X	X	X	X	X	X		
T	X	X	X	X	X	X	X	X	X	X	X	X		
Alk	X	X	X	X	X	X	X	X	X	X	X	X		
Ca	X	X	X	X	X	X	X	X	X	X	X	X		
Mg	X	X	X	X	X	X	X	X	X	X	X	X		
Na	X	X	X	X	X	X	X	X	X	X	X	X		
K	X	X	X	X	X	X	X	X	X	X	X	X		
SO4	X	X	X	X	X	X	X	X	X	X	X	X		
Cl	X	X	X	X	X	X	X	X	X	X	X	X		
F	X	X	X	X	X	X	X	X	X	X	X	X		
Si	X	X	X	X	X	X	X	X	X	X	X	X		
TDS (calc)	X	X	X	X	X	X	X	X	X	X	X	X		
TSS													Sed	
Al (total)	X	X	X	X	X	X	X	X	X	X	X	X	Core Metals	
As (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X		
Ba (total)	X	X	X	X	X	X	X	X	X	X	X	X		
Be (total)	X	X	X	X	X	X	X	X	X	X	X	X		
Fe (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X		
Mn (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X		
Se (total)	X	X	X	X	X	X	X	X	X	X	X	X		
Nutrients														
Full Metals Scan	X	X	X	X	X	X	X	X	X	X	X	X		

Shading = Identified
X = Current

Cheyenne River at Riverview, WY

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Parameter	
Q	X	X	X	X	X	X	X	X	X	X	X	X	Field	
pH	X	X	X	X	X	X	X	X	X	X	X	X		Common Ions
DO	X	X	X	X	X	X	X	X	X	X	X	X		
EC	X	X	X	X	X	X	X	X	X	X	X	X		
T	X	X	X	X	X	X	X	X	X	X	X	X		
Alk	X	X	X	X	X	X	X	X	X	X	X	X		
Ca	X	X	X	X	X	X	X	X	X	X	X	X		
Mg	X	X	X	X	X	X	X	X	X	X	X	X		
Na	X	X	X	X	X	X	X	X	X	X	X	X		
K	X	X	X	X	X	X	X	X	X	X	X	X		
SO4	X	X	X	X	X	X	X	X	X	X	X	X		
Cl	X	X	X	X	X	X	X	X	X	X	X	X		
F	X	X	X	X	X	X	X	X	X	X	X	X		
Si	X	X	X	X	X	X	X	X	X	X	X	X		
TDS (calc)	X	X	X	X	X	X	X	X	X	X	X	X		
TSS													Sed	
Al (total)	X	X	X	X	X	X	X	X	X	X	X	X	Core Metals	
As (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X		
Ba (total)	X	X	X	X	X	X	X	X	X	X	X	X		
Be (total)	X	X	X	X	X	X	X	X	X	X	X	X		
Fe (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X		
Mn (dissolved)	X	X	X	X	X	X	X	X	X	X	X	X		
Se (total)	X	X	X	X	X	X	X	X	X	X	X	X		
Nutrients														
Full Metals Scan	X	X	X	X	X	X	X	X	X	X	X	X		

Shading = Identified
X = Current

Cheyenne River near Spencer, WY

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Parameter
Q (CF)	X	X	X	X	X	X	X	X	X	X	X	X	Field
pH													
DO													
EC (CC)	X	X	X	X	X	X	X	X	X	X	X	X	
T (CT)	X	X	X	X	X	X	X	X	X	X	X	X	Common Ions
Alk													
Ca													
Mg													
Na													
K													
SO4													
Cl													
F													
Si													
TDS (calc)													
TSS													
Al (total)													Core Metals
As (dissolved)													
Ba (total)													
Be (total)													
Fe (dissolved)													
Mn (dissolved)													
Se (total)													
Nutrients													Core Parameters
Full Metals Scan													
													Full Suite

Shading = Identified
 X = Current