SEDIMENT SAMPLES - Cheyenne River and Angostura Reservoir during 1988 &

Source: USGS from table 22 & 23 report 90-4152 USBR from DKAO lab analysis **DRY WEIGHT - < 0.062 MM SIZE FRACTION**	Sample Site	Agency	Year	TOC %	As (mg/kg)	B (µg/g)	Ba (µg/g)	Cd (µg/g)	Cr (µg/g)	Cu (µg/g)	Pb (µg/g)	Mn (µg/g)	Mo (µg/g)	Ni (µg/g)	Se (µg/g)	V (µg/g)	Zn (µg/g)
CHEYENNE R NEAR HOT SPRINGS SD	2	USGS	1988	0.37	11.00		510.00 <	2.00	23.00	8.00	12.00	1300.00 <	2.00	15.00	0.90	38.00	49.00
CHEYENNE R NEAR HOT SPRINGS SD	2 SPLIT	USGS	1988	0.29	7.60		700.00 <	2.00	22.00	9.00	12.00	1100.00 <	2.00	15.00	1.00	39.00	49.00
CHEYENNE R NEAR HOT SPRINGS SD	2 REPLICAT	USGS	1988	0.25	6.60		480.00 <	2.00	20.00	7.00	12.00	780.00 <	2.00	9.00	0.60	31.00	39.00
HORSEHEAD CR AT OELRICHS SD	3	USGS	1988	5.09	8.60	5.50	720.00 <	2.00	64.00	23.00	55.00	470.00 <	2.00	26.00	1.00	110.00	96.00
Median				0.33	8.10	5.50	605.00	2.00	22.50	8.50	12.00	940.00	2.00	15.00	0.95	38.50	49.00
ANGOSTURA RESERVOIR NEAR HOT SPRINGS SD	4	USGS	1988	1.07	7.20	2.10	440.00 <	2.00	85.00	26.00	23.00	360.00 <	2.00	26.00	1.00	140.00	110.00
ANGOSTURA RESERVOIR NEAR HOT SPRINGS SD	4a @ Dam	USBR	1997	1.26	5.10	20.00	192.00	1.30	23.00	20.00	19.00		5.90	26.00	1.00	25.00	59.00
ANGOSTURA RESERVOIR NEAR HOT SPRINGS SD	4b u/s in res.	USBR	1997	0.78 <	7.21	27.00	146.00	1.50	27.00	26.00 <	48.04		7.30	28.00	0.40	43.00	97.00
ANGOSTURA RESERVOIR NEAR HOT SPRINGS SD	4c arm of Hor	USBR	1997	1.31	16.40	19.00	232.00	1.40	21.00	29.00 <	61.92		7.50	39.00	1.90	46.00	95.00
Median				1.17	7.20	19.50	212.00	1.45	25.00	26.00	35.52	360.00	6.60	27.00	1.00	44.50	96.00
ANGOSTURA CANAL NR HOT SPRINGS, SD	6	USGS	1988	1.66	6.20	2.10	400.00 <	2.00	47.00	19.00	28.00	730.00 <	2.00	24.00	2.10	74.00	67.00
ANGOSTURA CANAL NR HOT SPRINGS, SD	6 SPLIT	USBR	1997	0.55	13.00	6.00	81.00	0.60	4.00	7.00 <	146.11		4.00	14.00	0.30	12.00	28.00
ANGOSTURA CANAL NR HOT SPRINGS, SD	6	USBR	1997	0.62	10.30	5.00	47.00	0.60	4.00	7.00 <	146.11		3.00	12.00	0.40	11.00	24.00
FALL RIVER AT MOUTH NR HOT SPRINGS, SD	7	USGS	1988	0.66	12.00	1.20	760.00 <	2.00	50.00	20.00	18.00	710.00 <	2.00	19.00	0.90	84.00	76.00
CHEYENNE RIVER AB BUFFALO GAP, SD	8	USGS	1988	1.56	13.00	1.80	720.00	2.00	72.00	28.00	18.00	770.00	4.00	35.00	4.30	200.00	120.00
Topeska's Pond	9	USBR	1997	3.19	10.20	23.00	88.00	0.70	7.00	8.00 <	62.82		3.90	14.00	1.00	16.00	71.00
IRON DRAW NR BUFFALO GAP, SD	10	USGS	1988	0.47	8.90		930.00 <	2.00	57.00	21.00	18.00	860.00 <	2.00	23.00	1.60	110.00	90.00
IRON DRAW NR BUFFALO GAP, SD	10	USBR	1997	0.39	6.40	4.00	84.00	0.30	6.00	9.00 <	134.64		1.90	11.00	0.90	12.00	36.00
Kimmie's Pond	11	USBR	1997	1.13	10.80	14.00	157.00	0.70	17.00	19.00 <	134.06		5.40	23.00	0.50	30.00	317.00
River near Custer Co. Rd. 656 Bridge	12	USBR	1997	0.09	21.70	9.00	615.00	0.20	2.00	4.00 <	166.77		6.90	20.00	0.70	19.00	52.00
COTTONWOOD CREEK NEAR BUFFALO GAP, SD	13	USGS	1988	2.84	15.00	7.30	150.00 <	2.00	67.00	28.00	18.00	3400.00 <	2.00	31.00	14.00	140.00	140.00
Median				0.66	10.80	5.50	157.00	0.70	17.00	19.00	62.82	770.00	3.00	20.00	0.90	30.00	71.00
CHEYENNE RIVER NR FAIRBURN , SD	14	USGS	1988	0.89	6.50	1.40	1200.00 <	2.00	35.00	16.00	17.00	560.00 <	2.00	15.00	0.60	67.00	58.00
CHEYENNE RIVER NR FAIRBURN , SD	14	USBR	1997	0.31	4.90	12.00	436.00	0.60	10.00	12.00	21.00		3.40	13.00	0.20	19.00	40.00
CHEYENNE RIVER NEAR RED SHIRT [FAIRBURN]	14	OST	1996		6.96	56.5	508.2	1.89	15.9	24.4	25.26	429.48	14.7	13.2	0.1	31.61	54.03
Median				0.60	6.50	12.00	508.20	1.89	15.92	16.00	21.00	494.74	3.40	13.22	0.20	31.61	54.03
CHEYENNE RIVER AT RAPID CREEK, SD	CRRC	USBR	1997	0.66	15.90	12.00	561.00	0.50	14.00	24.00 <	116.21		4.70	31.00	0.50	24.00	91.00
CHEYENNE RIVER AT CHERRY CREEK,SD	CRCC	USBR	1997	0.41	104.30	7.00	403.00	1.90	12.00	19.00 <	137.52		3.90	23.00	0.80	21.00	63.00

SEDIMENT SAMPLES - Cheyenne River and Angostura Reservoir during 1988 &

Source: USGS from table 22 & 23 report 90-4152 USBR from DKAO lab analysis **DRY WEIGHT - < 0.062 MM SIZE FRACTION**	Sample Site	Agency	Year	OTHER ANALYSIS Hg (µg/g)	U (µg/g)	CA (µg/g)	MG (µg/g)	NA (µg/g)	K (µg/g)	ATRAZINE (mg/kg)	CARBOFURAN (mg/kg)
CHEYENNE R NEAR HOT SPRINGS SD	2	USGS	1988	< 0.02	2.00					< 0.10	< 0.10
CHEYENNE R NEAR HOT SPRINGS SD	2 SPLIT	USGS	1988	< 0.02	1.90						
CHEYENNE R NEAR HOT SPRINGS SD	2 REPLICAT	USGS	1988	< 0.02	2.00						
HORSEHEAD CR AT OELRICHS SD	3	USGS	1988	0.04	2.00						
Median				0.02	2.00					0.10	0.10
ANGOSTURA RESERVOIR NEAR HOT SPRINGS SD	4	USGS	1988	0.04	2.10						
ANGOSTURA RESERVOIR NEAR HOT SPRINGS SD	4a @ Dam	USBR	1997	< 0.10	150.00	81297.0	22426.0	711.0	5802.0		
ANGOSTURA RESERVOIR NEAR HOT SPRINGS SD	4b u/s in res.	USBR	1997	< 0.10	153.00	22709.0	10716.0	1419.0	7120.0		
ANGOSTURA RESERVOIR NEAR HOT SPRINGS SD	4c arm of Hor	USBR	1997	< 0.10	182.00	57734.0	6117.0	936.0	4338.0		
Median				0.10	151.50	57734.0	10716.0	936.0	5802.0		
ANGOSTURA CANAL NR HOT SPRINGS, SD	6	USGS	1988	< 0.02	3.70						
ANGOSTURA CANAL NR HOT SPRINGS, SD	6 SPLIT	USBR	1997	< 0.10	168.00	83481.0	4723.0	271.0	801.0		
ANGOSTURA CANAL NR HOT SPRINGS, SD	6	USBR	1997	< 0.10	146.00	77696.0	3344.0	261.0	632.0		
FALL RIVER AT MOUTH NR HOT SPRINGS, SD	7	USGS	1988	0.02	1.90						
CHEYENNE RIVER AB BUFFALO GAP, SD	8	USGS	1988	0.04	3.80					< 0.10	< 0.10
Topeska's Pond	9	USBR	1997	< 0.10	123.00	23348.0	2930.0	704.0	1507.0		
IRON DRAW NR BUFFALO GAP, SD	10	USGS	1988	0.04	3.40					< 0.10	< 0.10
IRON DRAW NR BUFFALO GAP, SD	10	USBR	1997	< 0.10	74.00	8196.0	1912.0	341.0	837.0		
Kimmie's Pond	11	USBR	1997	< 0.10	151.00	13901.0	6077.0	593.0	2992.0		
River near Custer Co. Rd. 656 Bridge	12	USBR	1997	< 0.10	204.00	17437.0	1036.0	152.0	308.0		
COTTONWOOD CREEK NEAR BUFFALO GAP, SD	13	USGS	1988	0.04	5.30					< 0.10	< 0.10
Median				0.10	74.00	20392.50	3137.00	306.00	819.00	0.10	0.10
CHEYENNE RIVER NR FAIRBURN , SD	14	USGS	1988	0.02	2.10					< 0.10	< 0.10
CHEYENNE RIVER NR FAIRBURN , SD	14	USBR	1997	< 0.10	95.00	27619.0	4716.0	1000.0	4039.0		
CHEYENNE RIVER NEAR RED SHIRT [FAIRBURN]	14	OST	1996	0.07		35,795	5,361	1,014	4,901		
Median				0.07	48.55	31707.00	5038.50	1006.75	4470.00	0.10	0.10
CHEYENNE RIVER AT RAPID CREEK, SD	CRRC	USBR	1997	< 0.10	139.00	13860.0	6313.0	854.0	2522.0		
CHEYENNE RIVER AT CHERRY CREEK,SD	CRCC	USBR	1997	< 0.10	152.00	23286.0	5760.0	654.0	2051.0		

SEDIMENT SAMPLES - Cheyenne River and Angostura Reservoir during 1988 &

Source: USGS from table 22 & 23 report 90-4152	Sample	Agency Year	OTHER ANALYSIS							
USBR from DKAO lab analysis	Site		Hg	U	CA	MG	NA	K	ATRAZINE	CARBOFURAN
DRY WEIGHT - < 0.062 MM SIZE FRACTION			(µg/g)	(µg/g)	(µg/g)	(µg/g)	(µg/g)	(µg/g)	(mg/kg)	(mg/kg)

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Data Dictionary: Terms and symbols commonly found in the data files are alphabetically listed and defined here.

NOTE:
All measurements of chemical constituents in surface water and bottom sediments are complemented by a remark data field. This field will either have a less than (<) symbol or it will be blank. Less than (<) = measured amount was less than reporting limit; blank = measured amount was above reporting limit.This is shown for silver below but is omitted from the rest of this data dictionary.

NOTE2: Missing values in the dbase file are represented as -99, -997, or -9.

TOC: Total Organin Carbon (%)
as.bm: Arsenic in bottom sediment (mg/kg dry weight)
B: Boron, dissolved (ug/L as B)
ba.bm: Barium, total in bottom material (ug/g as Ba)
cg.bm: Cadmium, total in bottom material (ug/g as Cd)
cr.bm: Chromium, total in bottom material (ug/g as Cr)
cu.bm : Copper, total in bottom material (ug/g as Cu)
mo.bm: Molybdenum, total in bottom material (ug/g as Mo)
ni.bm: Nickel, total in bottom material (ug/g as Ni)
pb.bm: Lead, total in bottom material (ug/g as Pb)
mn.bm: Manganese, total in bottom material (ug/g as Mn)
se.bm: Selenium, total in bottom material (ug/g as Se)
v.bm: Vanadium, total in bottom material (ug/g as V)
zn.bm: Zinc, total in bottom material (ug/g as Zn)
hg.bm: Mercury, recoverable from bottom material, dry wt.(mg/kg as Hg)
u.bm: Uranium natural total in bottom material (ug/g)
ca.bm: Calcium, recoverable from bottom material, dry wt. (mg/kg as Ca)
mg.bm: Magnesium, recoverable from bottom material, dry wt. (mg/kg as Mg)
na.bm: Sodium, recoverable from bottom material, dry wt. (mg/kg as Na)
k.bm: Potassium, recoverable from bottom material, dry wt. (mg/kg as K)