

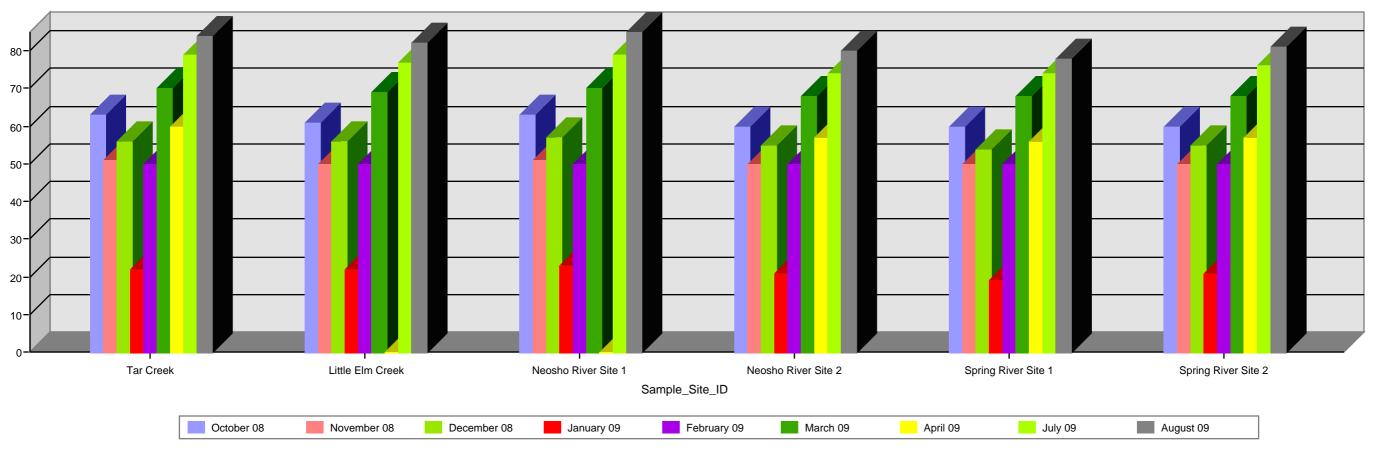
Air Temperature Results (Degrees Fahrenheit) FY 08-09

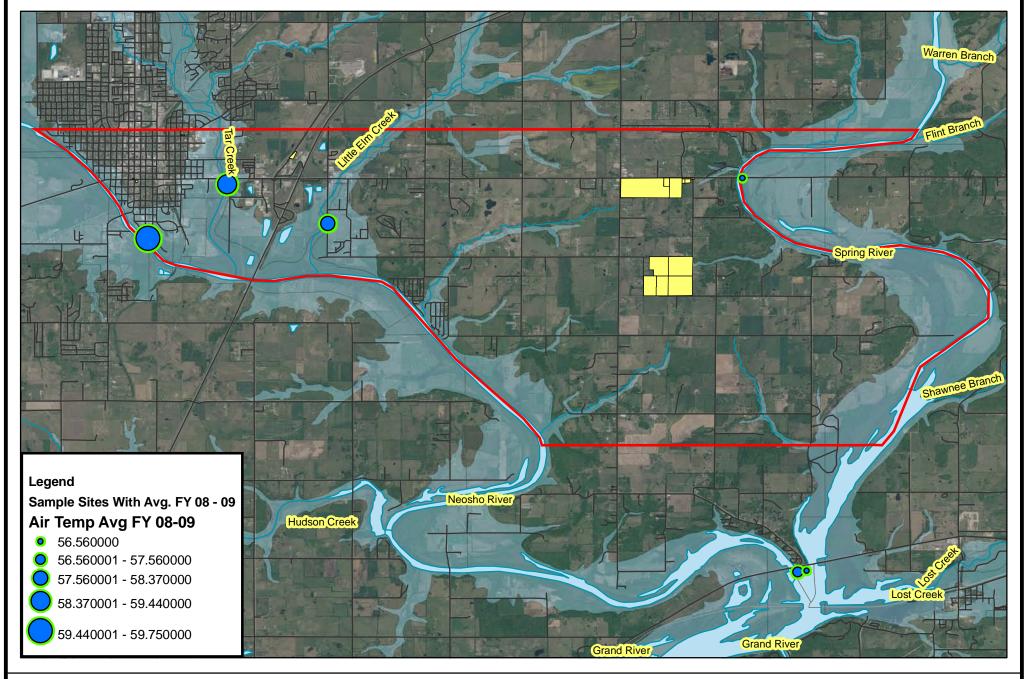
10/19/2009

Sample Site ID	October 08	November 08	December 08	January 09	February 09	March 09	April 09	July 09	August 09
Tar Creek	63.00	51.00	56.00	22.00	50.00	70.00	60.00	79.00	84.00
Little Elm Creek	61.00	50.00	56.00	22.00	50.00	69.00		77.00	82.00
Neosho River Site 1	63.00	51.00	57.00	23.00	50.00	70.00		79.00	85.00
Neosho River Site 2	60.00	50.00	55.00	21.00	50.00	68.00	57.00	74.00	80.00
Spring River Site 1	60.00	50.00	54.00	19.00	50.00	68.00	56.00	74.00	78.00
Spring River Site 2	60.00	50.00	55.00	21.00	50.00	68.00	57.00	76.00	81.00

Samples were not collected in May, June, or September 2009 due to Rain / flooding.

Air Temperature (Degrees Fahrenheit) FY 08-09





Air Temperature (Degrees F) FY 2008 - 2009 Average

Ottawa Tribe of Oklahoma **Environmental Department**



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		Meters
Λ		Contact Information
	Drawn By:	Lori Bailey
Design By:	Phone:	918-541-1902
Wind	Date:	October 12, 2009



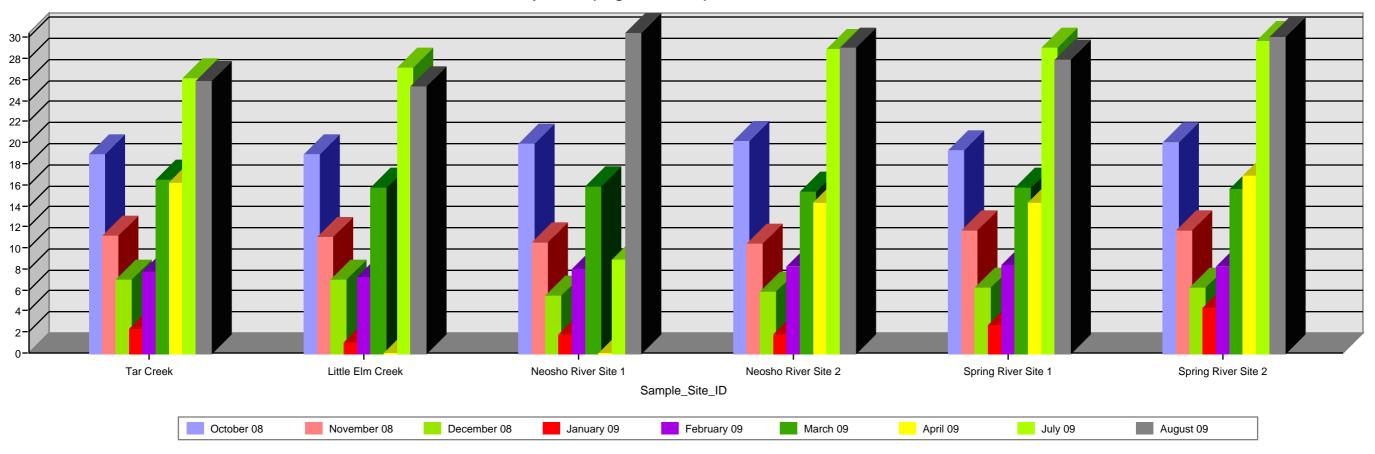
Water Temperature (Degrees Celsius) FY 08-09

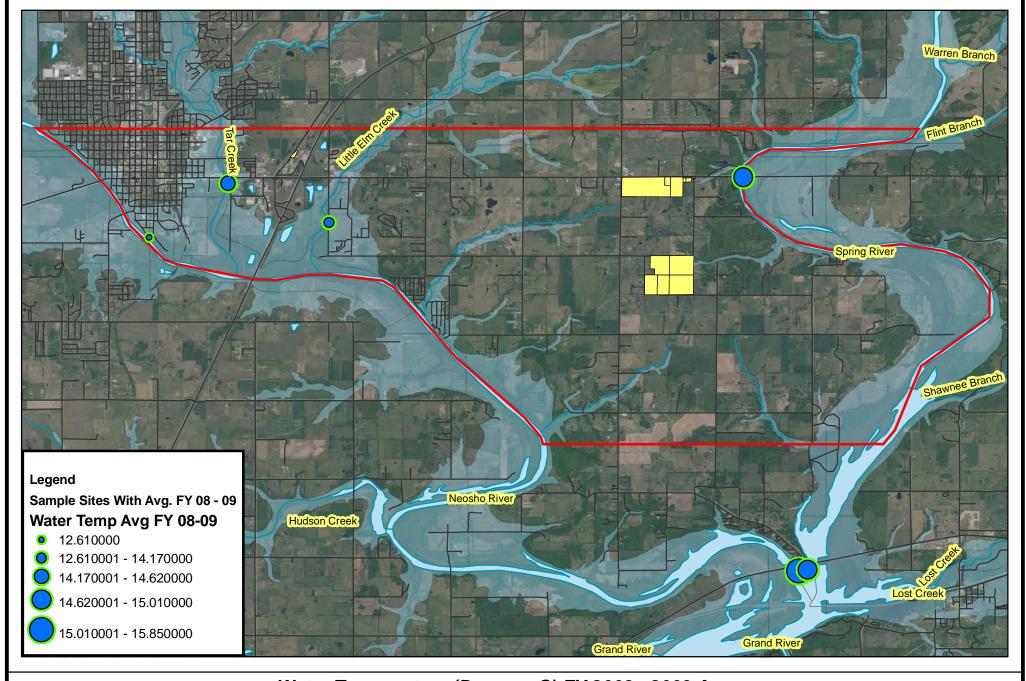
10/19/2009

Sample Site ID	October 08	November 08	December 08	January 09	February 09	March 09	April 09	July 09	August 09
Tar Creek	18.88	11.10	6.96	2.32	7.70	16.44	16.25	26.08	25.82
Little Elm Creek	18.86	11.08	6.93	1.04	7.23	15.77		27.13	25.30
Neosho River Site 1	19.95	10.53	5.51	1.81	7.94	15.85		8.87	30.41
Neosho River Site 2	20.12	10.40	5.80	1.83	8.20	15.37	14.29	28.90	29.05
Spring River Site 1	19.24	11.68	6.16	2.70	8.36	15.73	14.36	29.06	27.82
Spring River Site 2	20.07	11.60	6.22	4.28	8.26	15.61	16.84	29.69	30.04

Samples were not collected in May, June, or September 2009 due to Rain / flooding.

Water Temperature (Degrees Celsius) FY 08-09





Water Temperature (Degrees C) FY 2008 - 2009 Average

Ottawa Tribe of Oklahoma Environmental Department



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· =		Meters
Λ		Contact Information
	Drawn By:	Lori Bailey
Design By:	Phone:	918-541-1902
Wind	Date:	October 12, 2009



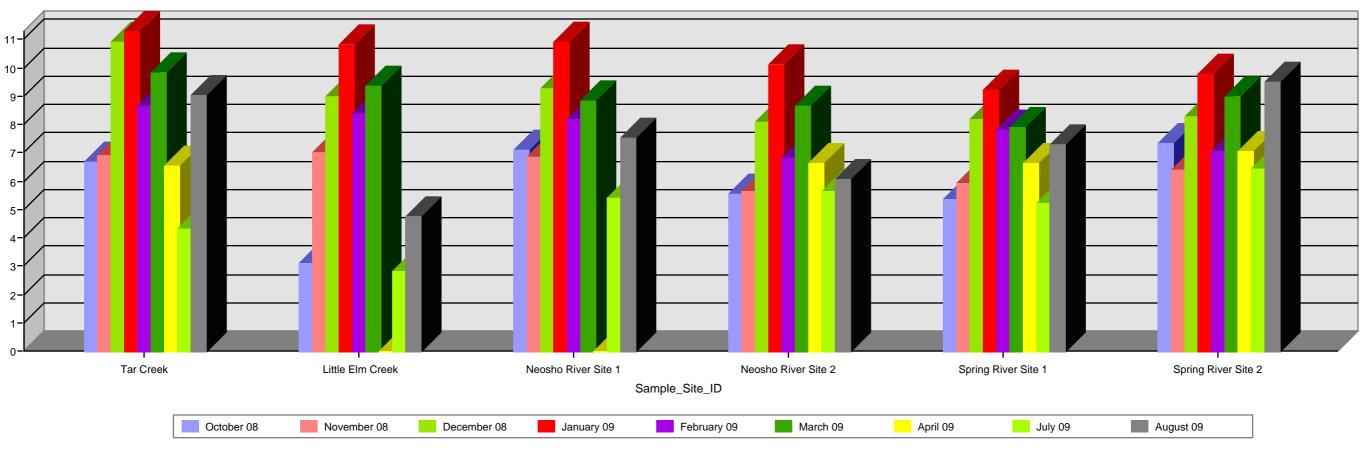
Dissolved Oxygen FY 08-09

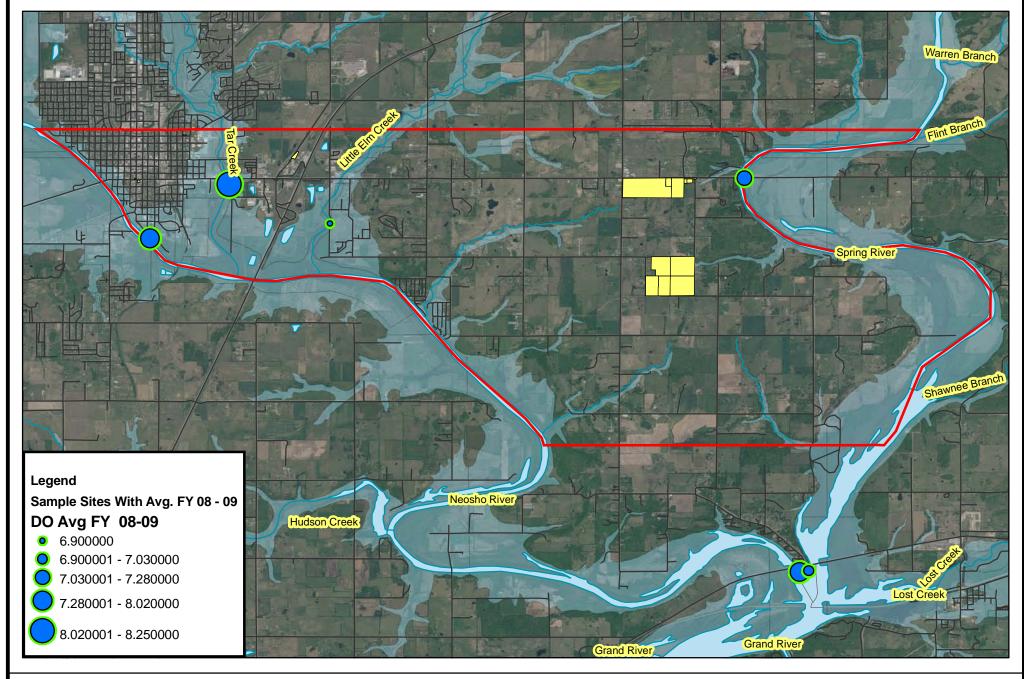
10/19/2009

Sample Site ID	October 08	November 08	December 08	January 09	February 09	March 09	April 09	July 09	August 09
Tar Creek	6.70	6.92	10.93	11.30	8.65	9.85	6.53	4.32	9.06
Little Elm Creek	3.13	7.00	9.00	10.82	8.38	9.39		2.81	4.76
Neosho River Site 1	7.11	6.86	9.29	10.93	8.20	8.84		5.43	7.53
Neosho River Site 2	5.55	5.65	8.10	10.11	6.85	8.65	6.62	5.64	6.07
Spring River Site 1	5.35	5.92	8.21	9.21	7.81	7.91	6.64	5.21	7.29
Spring River Site 2	7.33	6.40	8.27	9.78	7.04	9.00	7.05	6.46	9.51

Samples were not collected in May, June, or September 2009 due to Rain / flooding.

Dissolved Oxygen FY 08-09





Dissolved Oxygen FY 2008 - 2009 Average

Contact Information Lori Bailey Design By 918-541-1902 Wind

October 12, 2009

Ottawa Tribe of Oklahoma **Environmental Department**



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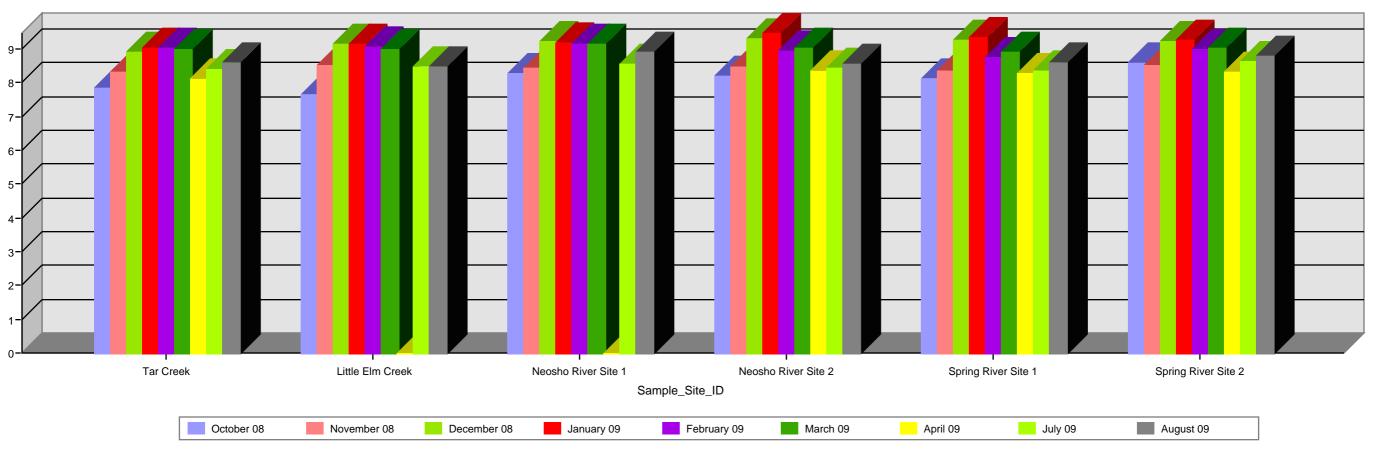
PH Results FY 08-09

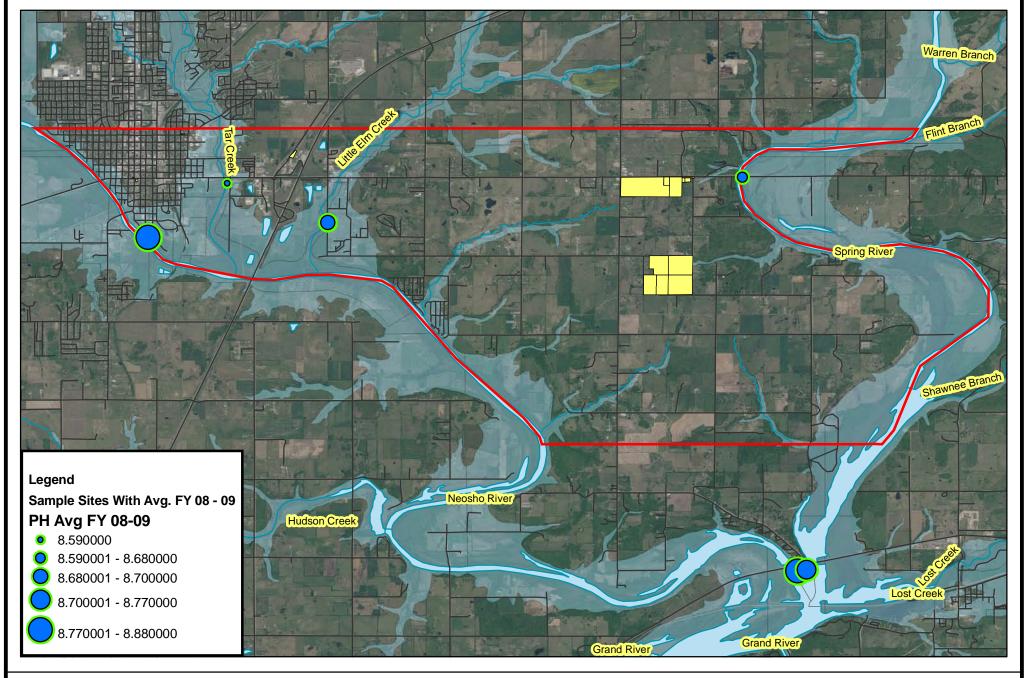
10/19/2009

Sample Site ID	October 08	November 08	December 08	January 09	February 09	March 09	April 09	July 09	August 09
Tar Creek	7.86	8.33	8.91	9.03	9.04	9.02	8.12	8.42	8.62
Little Elm Creek	7.67	8.52	9.18	9.16	9.08	9.00		8.48	8.51
Neosho River Site 1	8.28	8.47	9.24	9.21	9.17	9.18		8.59	8.92
Neosho River Site 2	8.21	8.49	9.32	9.48	8.96	9.05	8.39	8.45	8.57
Spring River Site 1	8.12	8.39	9.30	9.38	8.76	8.93	8.30	8.37	8.61
Spring River Site 2	8.63	8.52	9.26	9.28	9.00	9.06	8.34	8.65	8.80

Samples were not collected in May, June, or September 2009 due to Rain / flooding.







PH Results FY 2008 - 2009 Average

Contact Information

Drawn By: Lori Bailey

Phone: 918-541-1902

Date: October 12, 2009

Ottawa Tribe of Oklahoma Environmental Department



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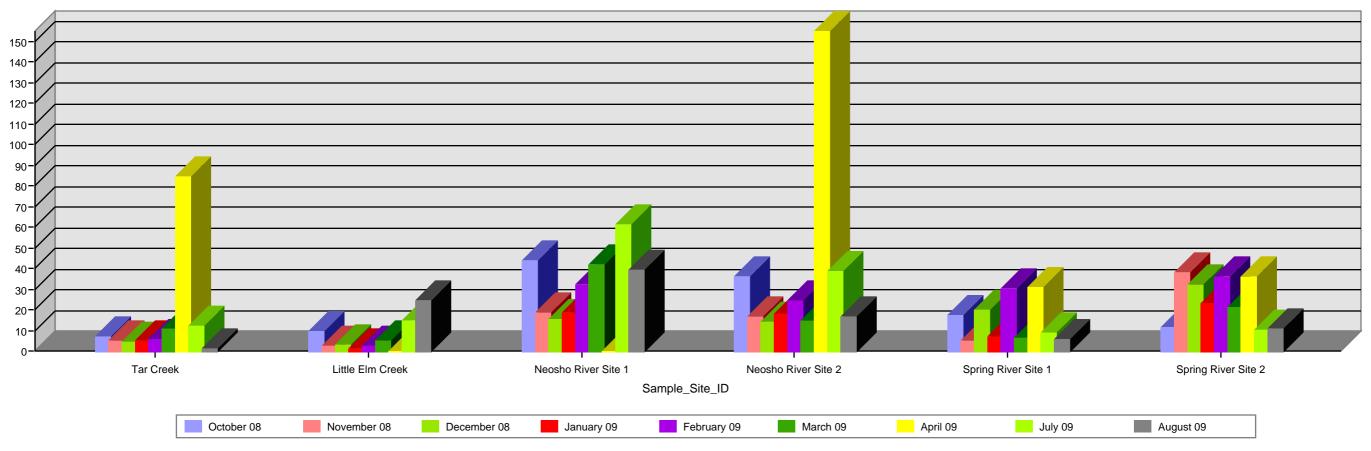
Turbidity (NTU) FY 08-09

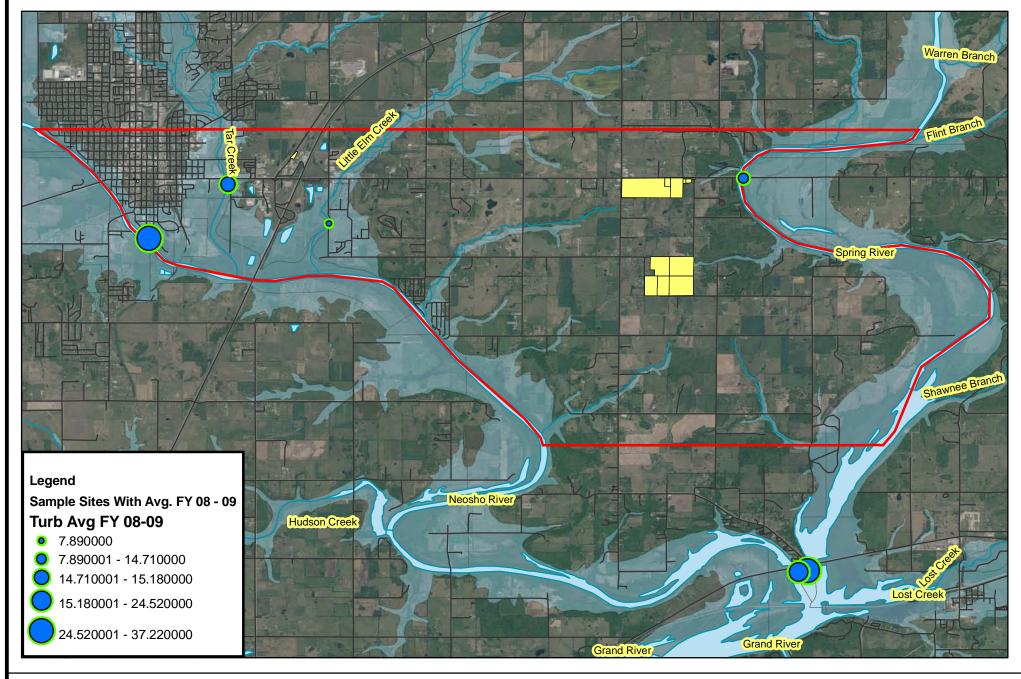
10/19/2009

Sample Site ID	October 08	November 08	December 08	January 09	February 09	March 09	April 09	July 09	August 09
Tar Creek	7.00	5.40	4.30	5.40	5.80	10.80	84.70	12.20	1.00
Little Elm Creek	9.70	2.40	3.50	1.00	2.30	5.00		14.90	24.30
Neosho River Site 1	44.10	19.00	15.60	18.70	32.20	42.00		61.10	39.70
Neosho River Site 2	36.20	16.70	14.10	18.40	24.50	14.90	155.10	38.50	16.60
Spring River Site 1	17.60	5.10	20.10	7.00	30.10	6.20	31.20	9.20	5.90
Spring River Site 2	11.50	38.10	32.00	23.50	35.90	21.30	36.50	10.60	11.30

Samples were not collected in May, June, or September 2009 due to Rain / flooding.

Turbidity (NTU) FY 08-09





Turbidity (NTU) FY 2008 - 2009 Average

Contact Information

Drawn By: Lori Bailey

Phone: 918-541-1902

Date: October 12, 2009

Ottawa Tribe of Oklahoma Environmental Department



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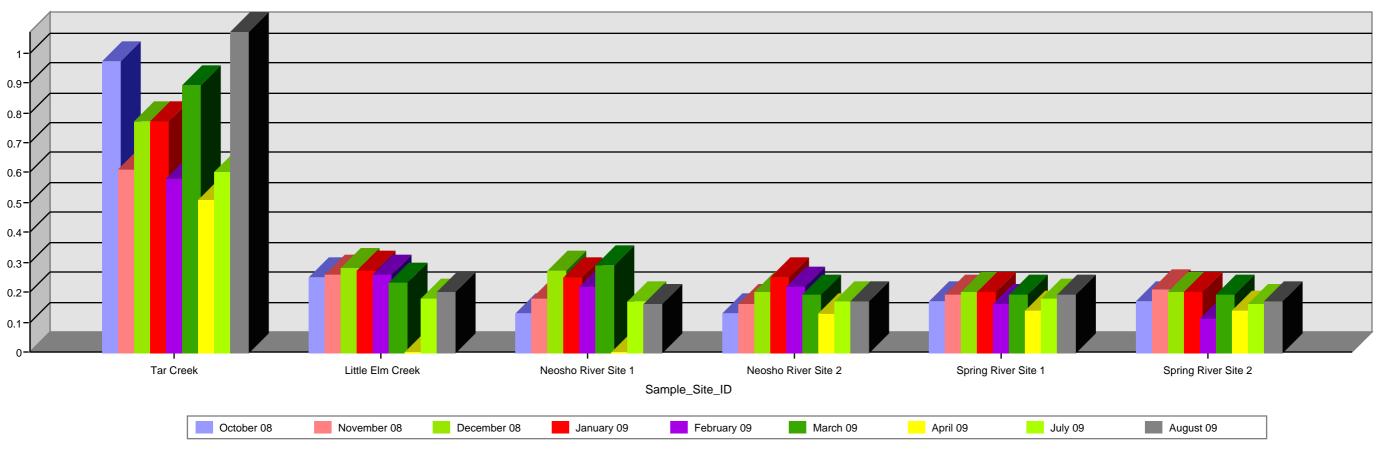
Salinity Results FY 08-09

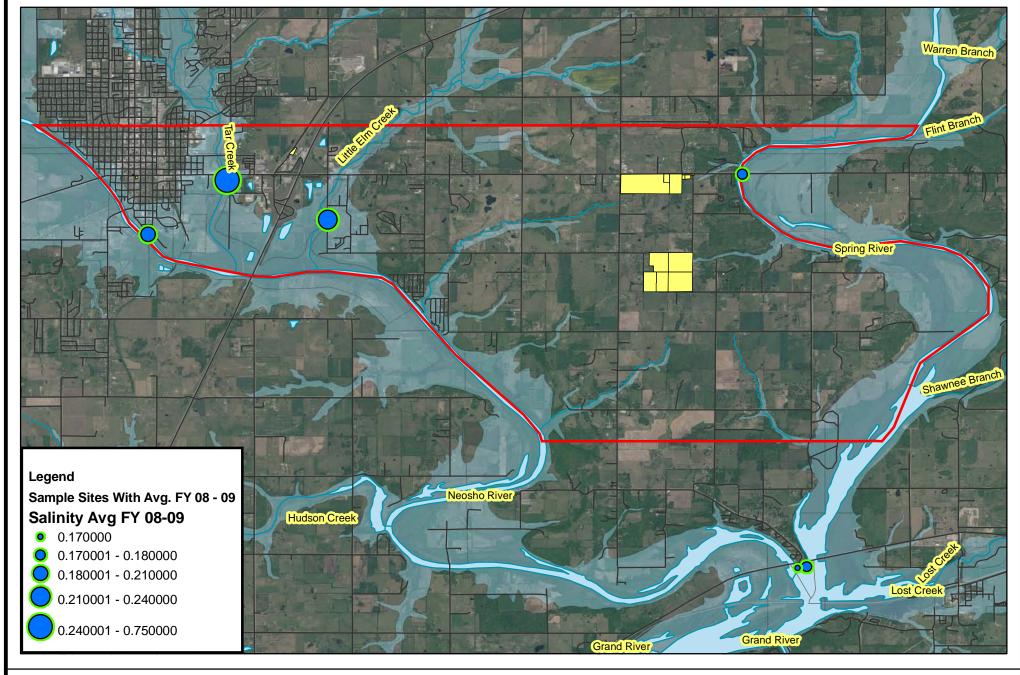
10/19/2009

Sample Site ID	October 08	November 08	December 08	January 09	February 09	March 09	April 09	July 09	August 09
Tar Creek	0.97	0.61	0.77	0.77	0.58	0.89	0.51	0.60	1.07
Little Elm Creek	0.25	0.26	0.28	0.27	0.26	0.23		0.18	0.20
Neosho River Site 1	0.13	0.18	0.27	0.25	0.22	0.29		0.17	0.16
Neosho River Site 2	0.13	0.16	0.20	0.25	0.22	0.19	0.13	0.17	0.17
Spring River Site 1	0.17	0.19	0.20	0.20	0.16	0.19	0.14	0.18	0.19
Spring River Site 2	0.17	0.21	0.20	0.20	0.11	0.19	0.14	0.16	0.17

Samples were not collected in May, June, or September 2009 due to Rain / flooding.

Salinity Results FY 08-09





Salinity Results FY 2008 - 2009 Average

Contact Information

Drawn By: Lori Bailey

Phone: 918-541-1902

Date: October 12, 2009

Ottawa Tribe of Oklahoma Environmental Department



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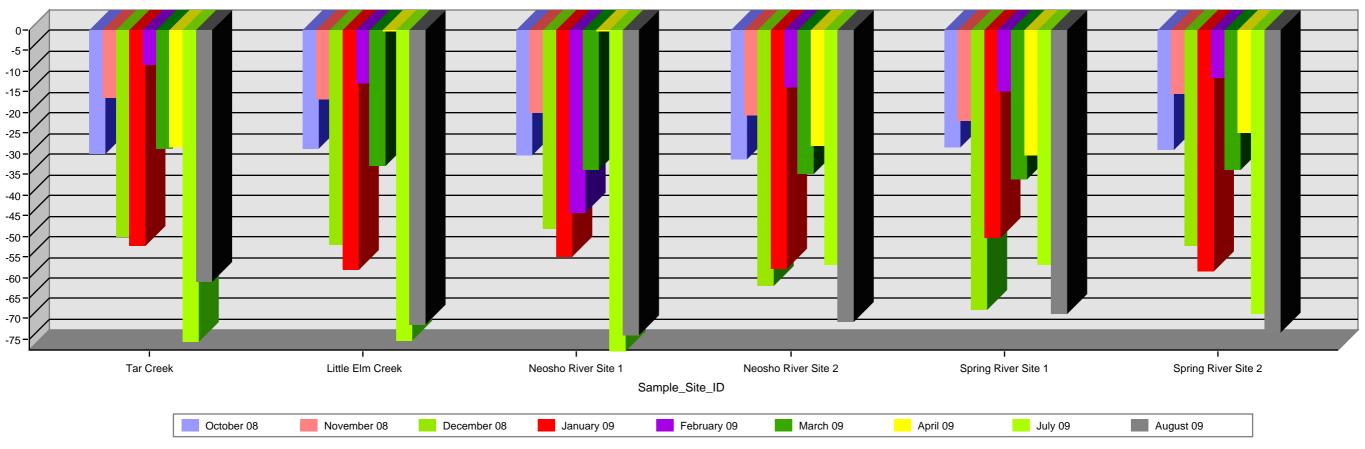
ORP Results FY 08-09

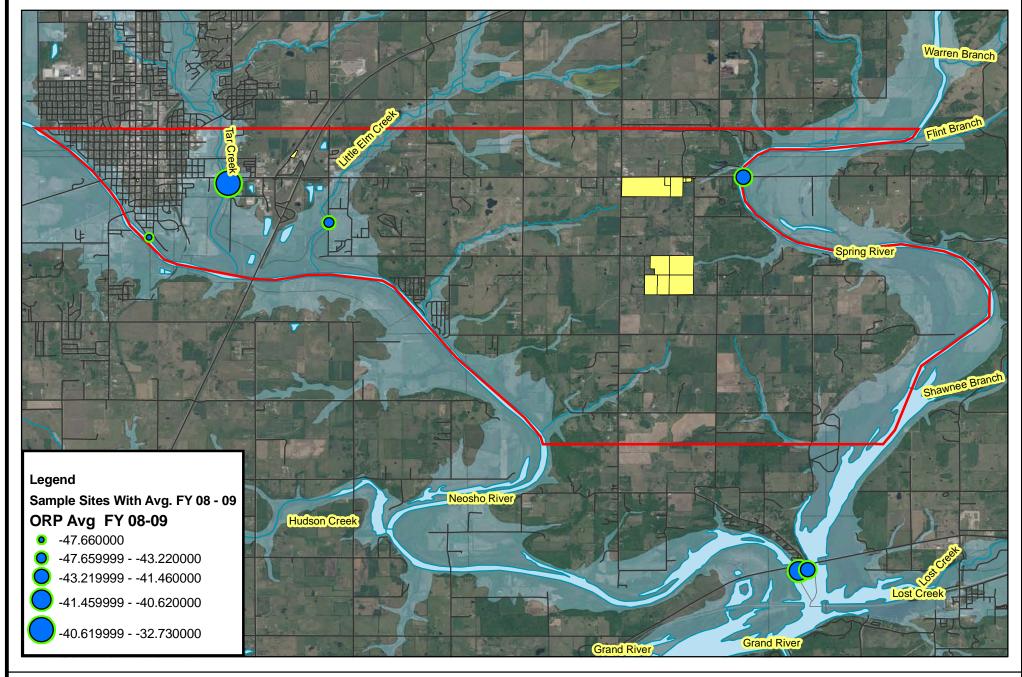
10/19/2009

Sample Site ID	October 08	November 08	December 08	January 09	February 09	March 09	April 09	July 09	August 09
Tar Creek	-29.80	-16.20	-49.70	-52.00	-8.00	-28.60	-28.10	-75.40	-60.80
Little Elm Creek	-28.30	-16.50	-51.70	-57.90	-12.50	-32.70		-75.10	-71.10
Neosho River Site 1	-30.20	-19.60	-47.90	-54.50	-44.10	-33.60		-77.60	-73.80
Neosho River Site 2	-31.20	-20.50	-61.80	-57.70	-13.60	-34.60	-27.70	-56.60	-70.60
Spring River Site 1	-28.10	-21.70	-67.50	-50.10	-14.60	-36.00	-30.20	-56.50	-68.40
Spring River Site 2	-28.80	-15.20	-52.20	-58.20	-11.20	-33.60	-24.70	-68.50	-73.20

Samples were not collected in May, June, or September 2009 due to Rain / flooding.

ORP Results FY 08-09





ORP Results FY 2008 - 2009 Average

Ottawa Tribe of Oklahoma **Environmental Department**



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Contact Information

Design By

Wind

Lori Bailey

918-541-1902

October 12, 2009



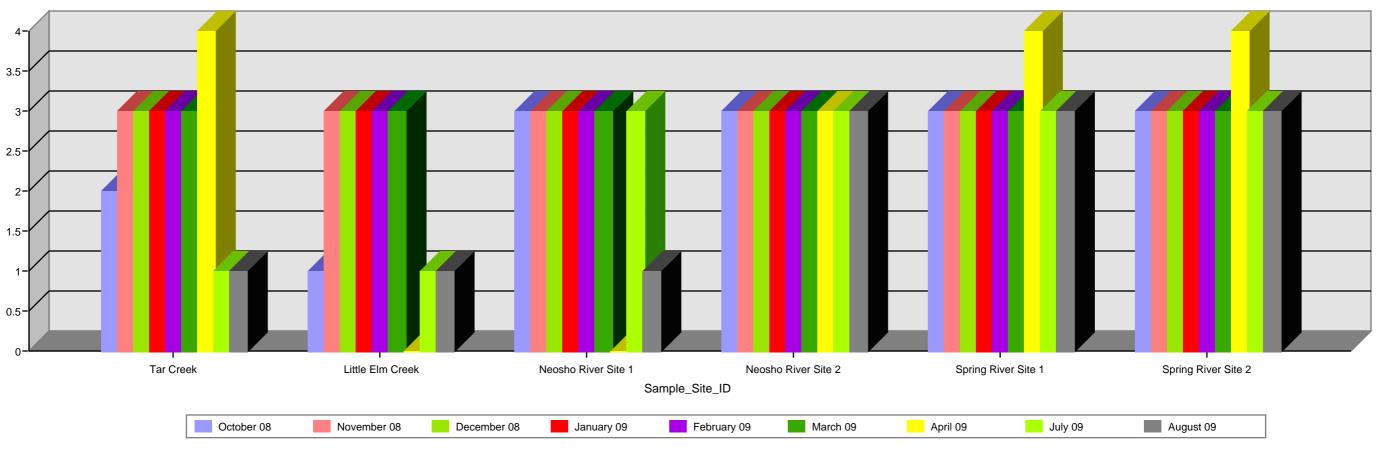
Flow Severity Results FY 08-09

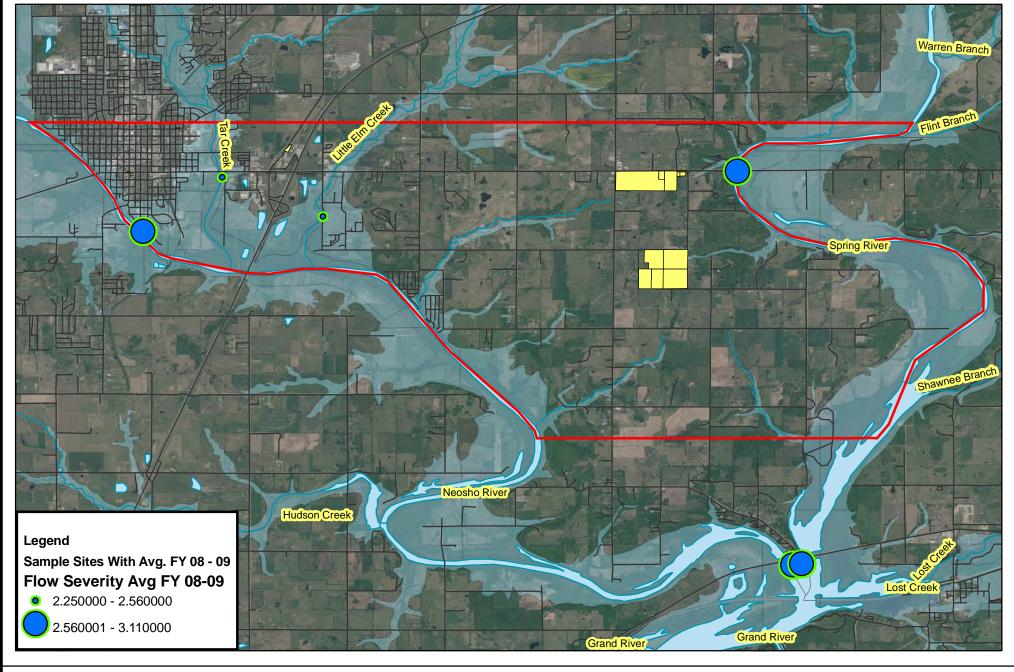
10/19/2009

Sample Site ID	October 08	November 08	December 08	January 09	February 09	March 09	April 09	July 09	August 09
Tar Creek	2.00	3.00	3.00	3.00	3.00	3.00	4.00	1.00	1.00
Little Elm Creek	1.00	3.00	3.00	3.00	3.00	3.00		1.00	1.00
Neosho River Site 1	3.00	3.00	3.00	3.00	3.00	3.00		3.00	1.00
Neosho River Site 2	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
Spring River Site 1	3.00	3.00	3.00	3.00	3.00	3.00	4.00	3.00	3.00
Spring River Site 2	3.00	3.00	3.00	3.00	3.00	3.00	4.00	3.00	3.00

Samples were not collected in May, June, or September 2009 due to Rain / flooding.

Flow Severity Results FY 08-09





Flow Severity Results FY 2008 - 2009 Average

Contact Information

Ottawa Tribe of Oklahoma Environmental Department



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/- A		Contact informe
	Drawn By:	Lori Bailey
esign By:	Phone:	918-541-1902
Vind	Date:	October 12, 2009



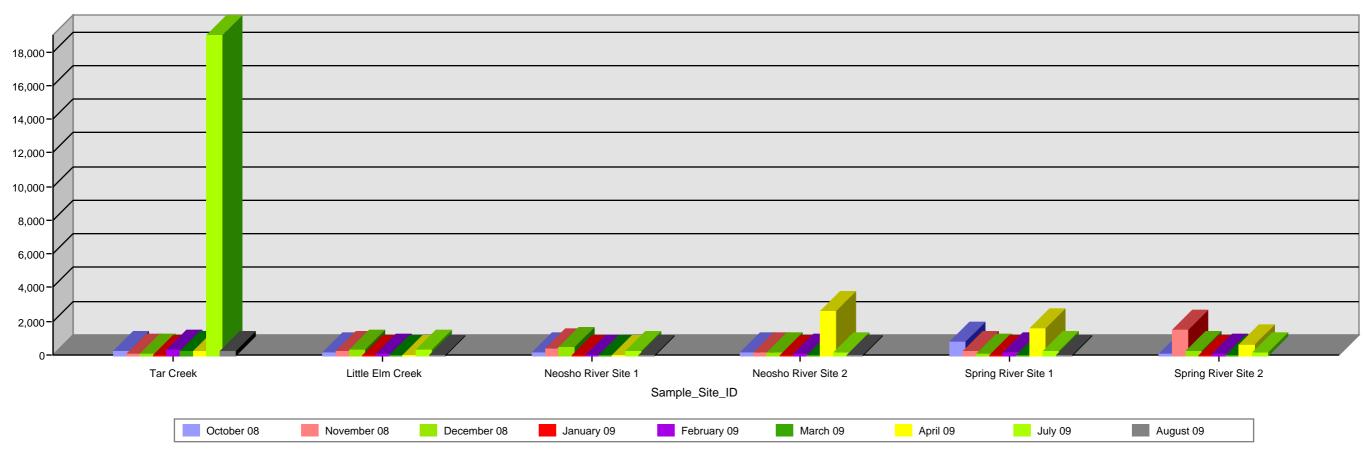
Fecal Coliform Results FY 08-09

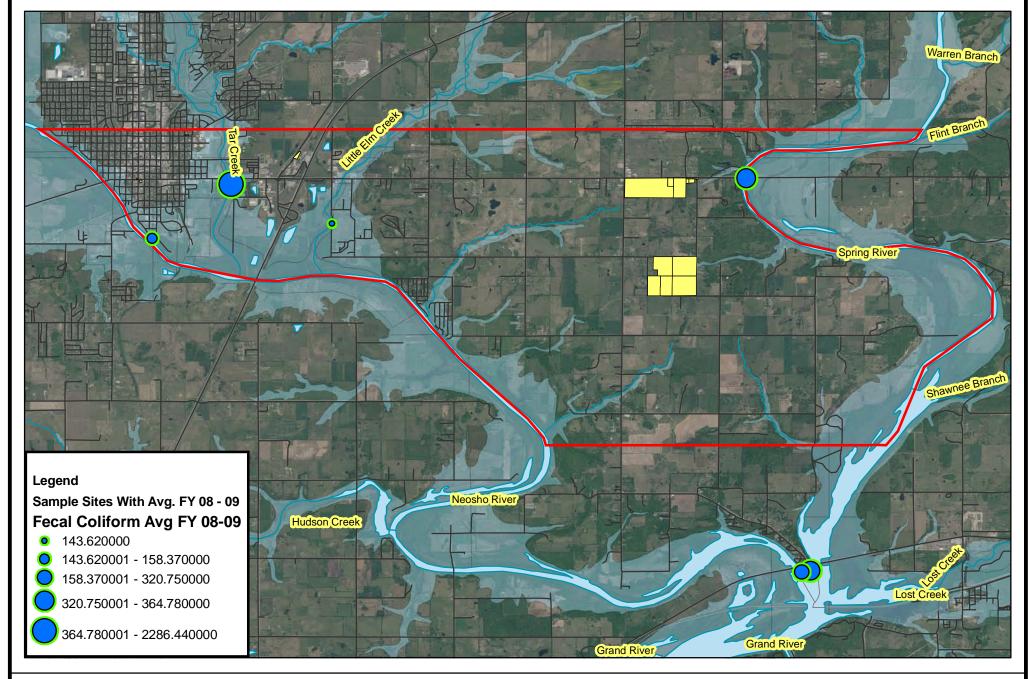
10/19/2009

Sample Site ID	October 08	November 08	December 08	January 09	February 09	March 09	April 09	July 09	August 09
Tar Creek	250.00	110.00	82.00	26.00	350.00	240.00	250.00	19,000.00	270.00
Little Elm Creek	170.00	210.00	320.00	14.00	69.00	24.00		330.00	12.00
Neosho River Site 1	150.00	370.00	470.00	14.00	0.00	23.00		240.00	0.00
Neosho River Site 2	150.00	160.00	170.00	27.00	40.00	10.00	2,600.00	120.00	6.00
Spring River Site 1	800.00	230.00	110.00	5.00	130.00	17.00	1,600.00	210.00	31.00
Spring River Site 2	40.00	1,500.00	200.00	6.00	48.00	12.00	600.00	160.00	

Samples were not collected in May, June, or September 2009 due to Rain / flooding.

Fecal Coliform Results FY 08-09





Fecal Coliform Results FY 2008 - 2009 Average

Contact Information Lori Bailey Design By

Wind

918-541-1902

October 12, 2009

Ottawa Tribe of Oklahoma **Environmental Department**



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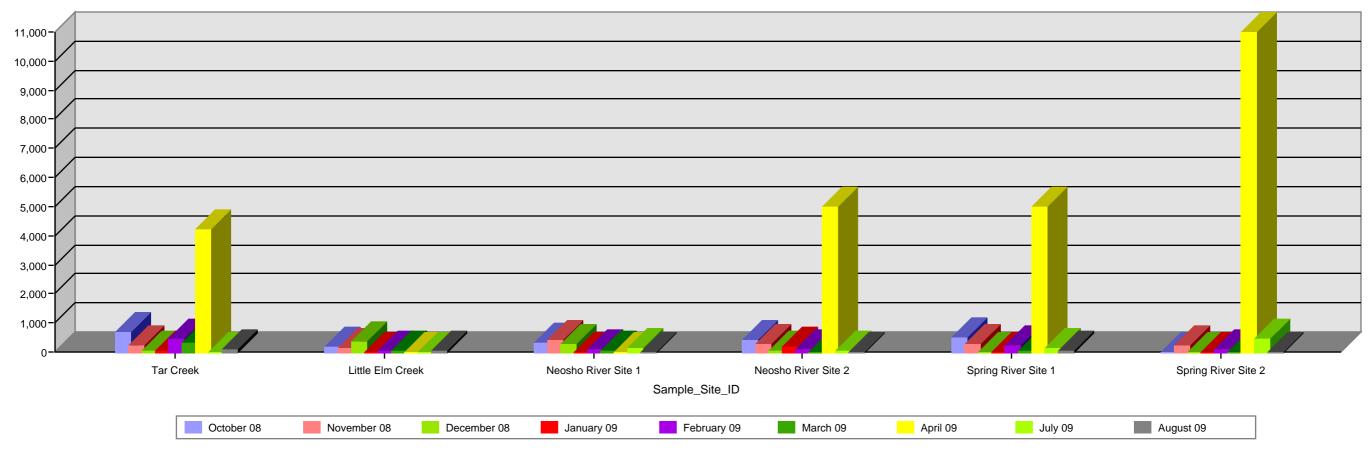
Total Coliform Results FY 08-09

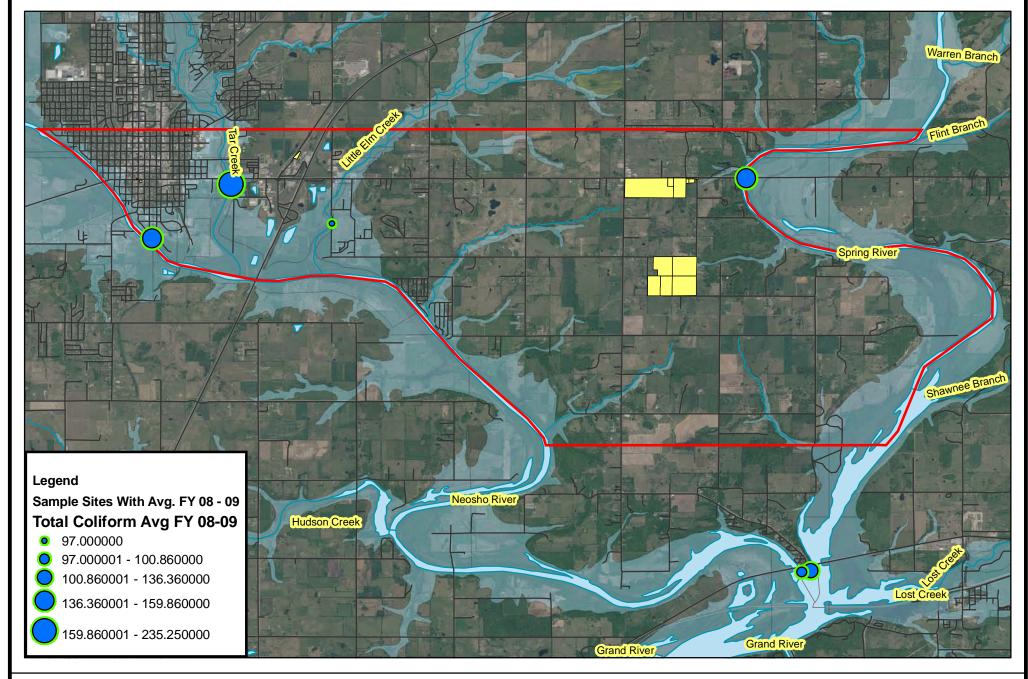
10/19/2009

Sample Site ID	October 08	November 08	December 08	January 09	February 09	March 09	April 09	July 09	August 09
Tar Creek	700.00	240.00	52.00	26.00	470.00	300.00	4,200.00	0.00	94.00
Little Elm Creek	170.00	130.00	370.00	17.00	25.00	29.00	0.00	10.00	25.00
Neosho River Site 1	330.00	410.00	280.00	0.00	82.00	27.00	0.00	150.00	0.00
Neosho River Site 2	400.00	270.00	64.00	170.00	110.00	4.00	5,000.00	54.00	19.00
Spring River Site 1	500.00	290.00	3.00	10.00	230.00	64.00	5,000.00	140.00	25.00
Spring River Site 2	10.00	220.00	0.00	10.00	91.00	0.00	11,000.00	470.00	6.00

Samples were not collected in May, June, or September 2009 due to Rain / flooding.

Total Coliform Results FY 08-09





Total Coliform Results FY 2008 - 2009 Average

Contact Information Lori Bailey Design By 918-541-1902 Wind

October 12, 2009

Ottawa Tribe of Oklahoma **Environmental Department**



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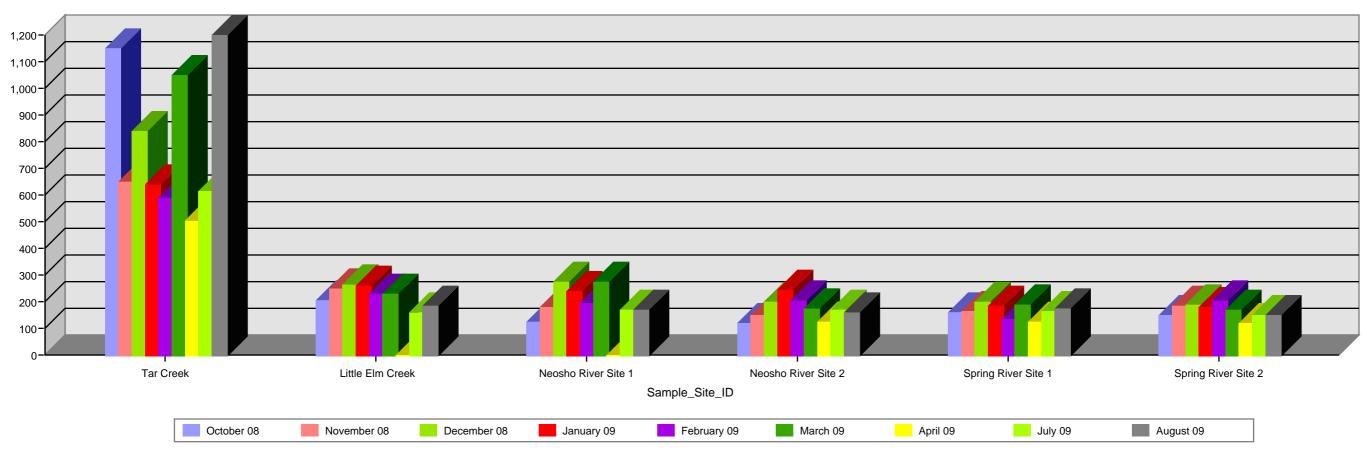
Total Hardness Results FY 08-09

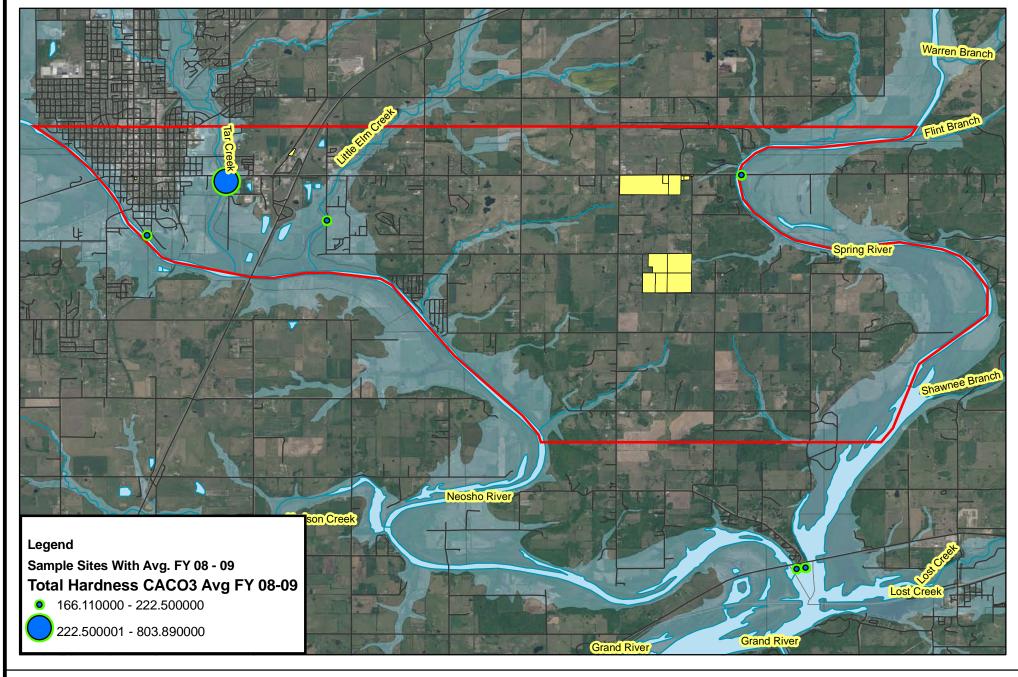
10/19/2009

Sample Site ID	October 08	November 08	December 08	January 09	February 09	March 09	April 09	July 09	August 09
Tar Creek	1,150.00	648.00	839.00	640.00	588.00	1,050.00	507.00	613.00	1,200.00
Little Elm Creek	204.00	252.00	263.00	258.00	228.00	230.00		160.00	185.00
Neosho River Site 1	124.00	180.00	275.00	240.00	194.00	274.00		168.00	172.00
Neosho River Site 2	120.00	148.00	198.00	244.00	206.00	176.00	124.00	172.00	159.00
Spring River Site 1	158.00	164.00	200.00	185.00	133.00	192.00	125.00	163.00	175.00
Spring River Site 2	152.00	186.00	192.00	182.00	204.00	172.00	122.00	148.00	152.00

Samples were not collected in May, June, or September 2009 due to Rain / flooding.

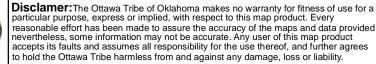
Total Hardness Results FY 08-09





Total Hardness Results FY 2008 - 2009 Average

Ottawa Tribe of Oklahoma **Environmental Department**



Contact Information Lori Bailey Design By 918-541-1902 Wind October 12, 2009



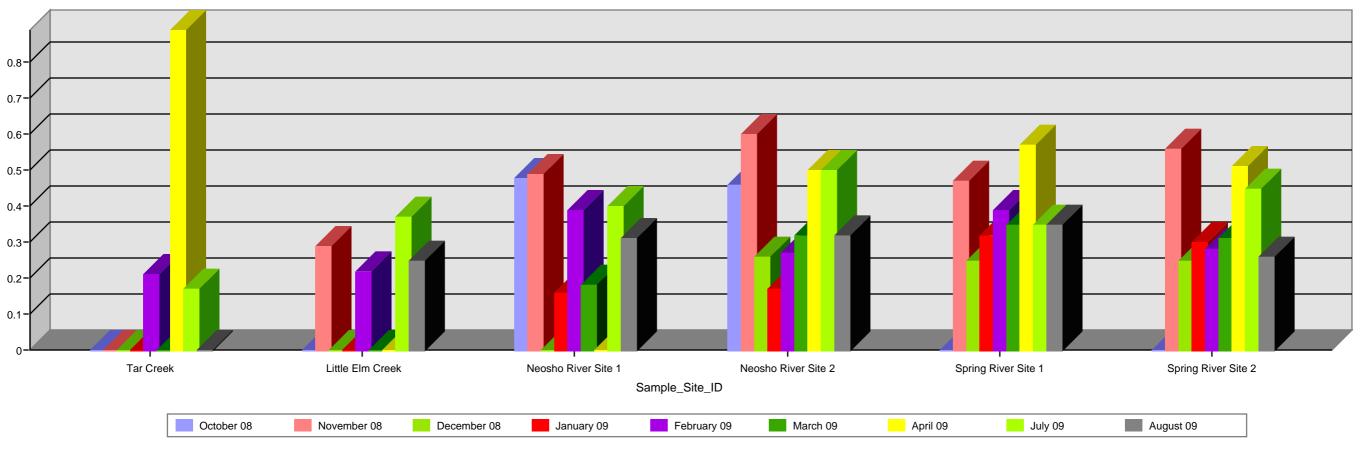
Ortho Phosphate Results FY 08-09

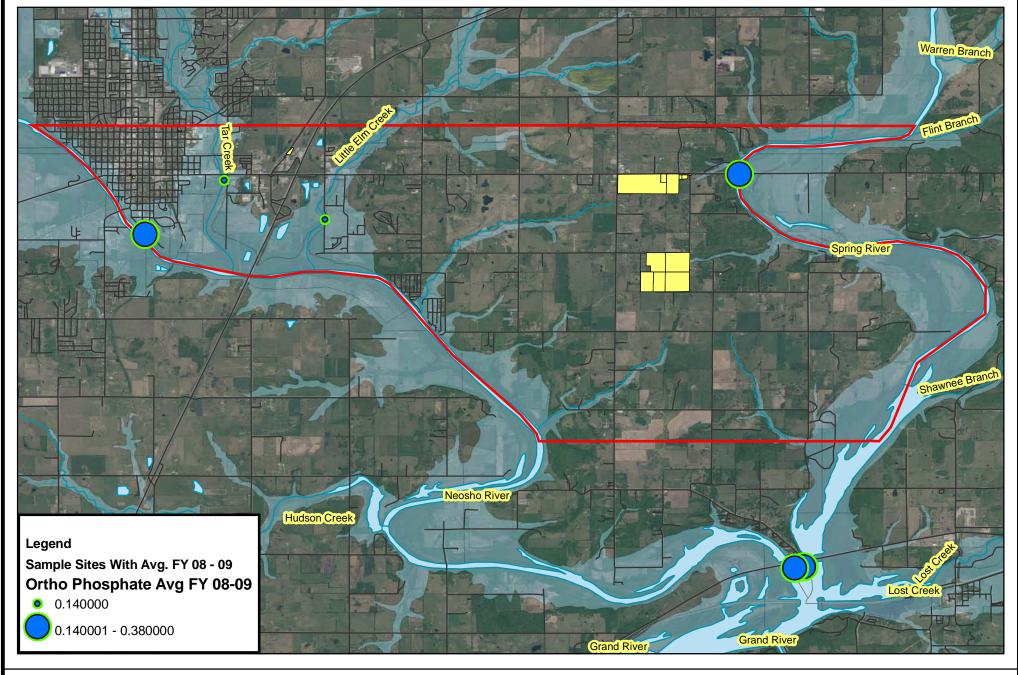
10/19/2009

Sample Site ID	October 08	November 08	December 08	January 09	February 09	March 09	April 09	July 09	August 09
Tar Creek	0.00	0.00	0.00	0.00	0.21	0.00	0.89	0.17	0.00
Little Elm Creek	0.00	0.29	0.00	0.00	0.22	0.00		0.37	0.25
Neosho River Site 1	0.48	0.49	0.00	0.16	0.39	0.18		0.40	0.31
Neosho River Site 2	0.46	0.60	0.26	0.17	0.27	0.32	0.50	0.50	0.32
Spring River Site 1	0.00	0.47	0.25	0.32	0.39	0.35	0.57	0.35	0.35
Spring River Site 2	0.00	0.56	0.25	0.30	0.28	0.31	0.51	0.45	0.26

Samples were not collected in May, June, or September 2009 due to Rain / flooding.

Ortho Phosphate Results FY 08-09





Ortho Phosphate Results FY 2008 - 2009 Average

Ottawa Tribe of Oklahoma Environmental Department



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	45 890	1,780	2,670	Meters					
Λ		Contact Information							
	Drawn By:	Lori Bai	ley						

Design By: Pho

Phone: 918-541-1902

Date: October 12, 2009



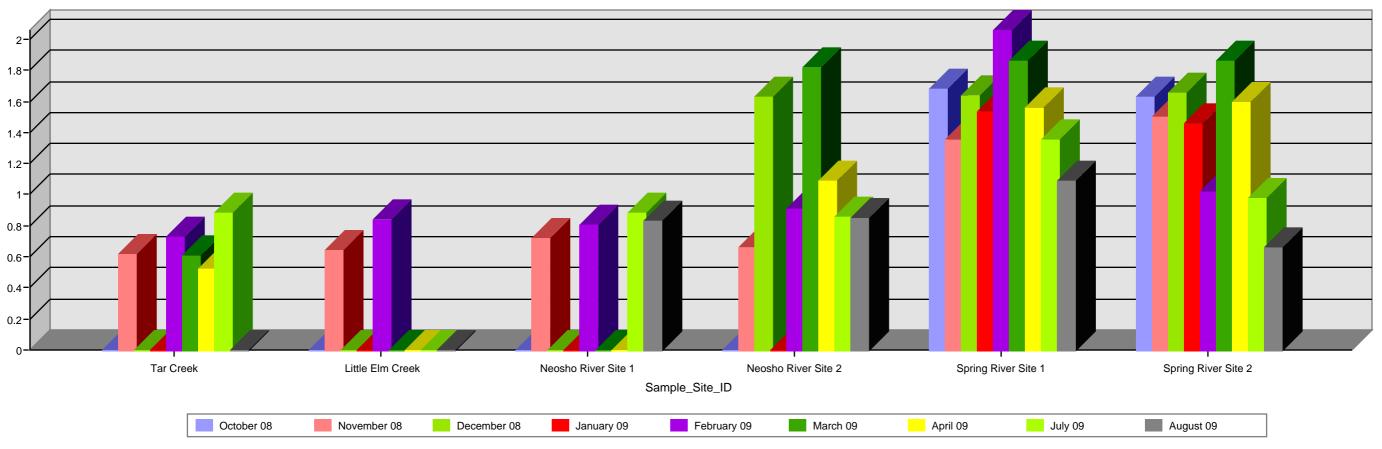
Nitrate Results (mgl) FY 08-09

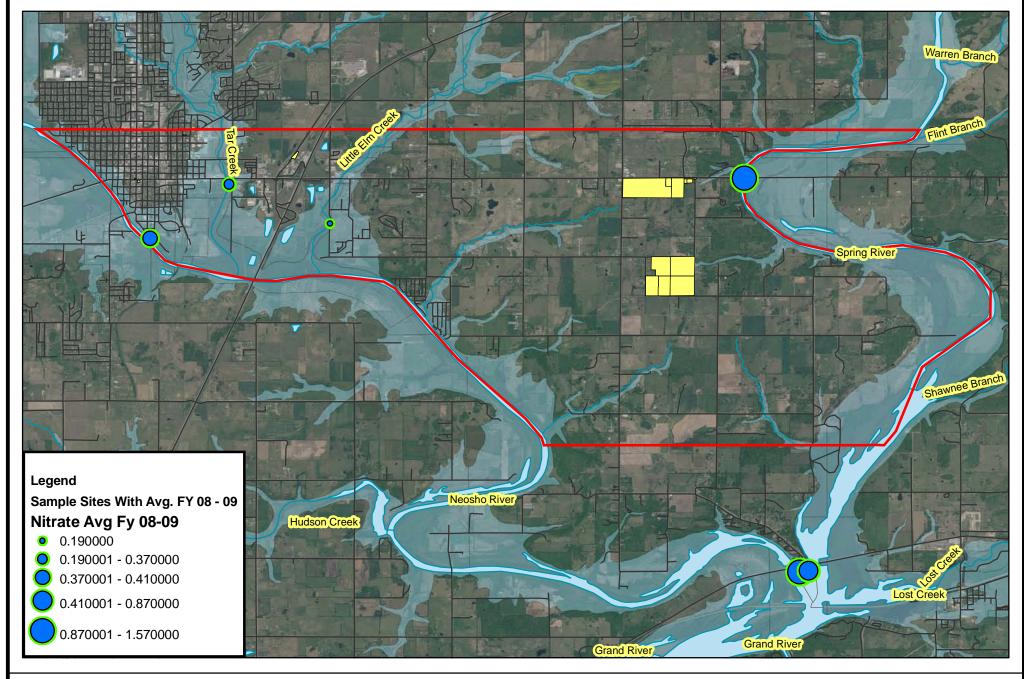
10/19/2009

Sample Site ID	October 08	November 08	December 08	January 09	February 09	March 09	April 09	July 09	August 09
Tar Creek	0.00	0.62	0.00	0.00	0.73	0.61	0.52	0.88	0.00
Little Elm Creek	0.00	0.64	0.00	0.00	0.84	0.00		0.00	0.00
Neosho River Site 1	0.00	0.72	0.00	0.00	0.81	0.00		0.88	0.83
Neosho River Site 2	0.00	0.66	1.63	0.00	0.91	1.82	1.09	0.86	0.85
Spring River Site 1	1.68	1.36	1.64	1.54	2.06	1.86	1.56	1.36	1.09
Spring River Site 2	1.63	1.50	1.66	1.46	1.02	1.86	1.60	0.98	0.66

Samples were not collected in May, June, or September 2009 due to Rain / flooding.

Nitrate Results FY 08-09





Nitrate Results (mg/l) FY 2008 - 2009 Average

Contact Information

Drawn By: Lori Bailey

Phone: 918-541-1902

Date: October 12, 2009

Ottawa Tribe of Oklahoma Environmental Department



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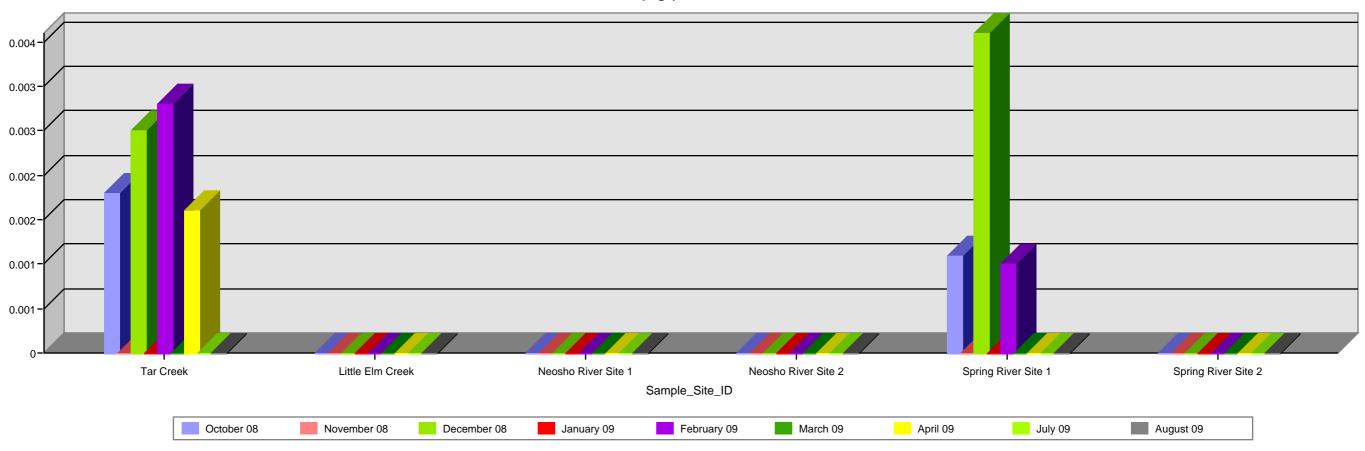
Cadmium Results (mg-l) FY 08-09

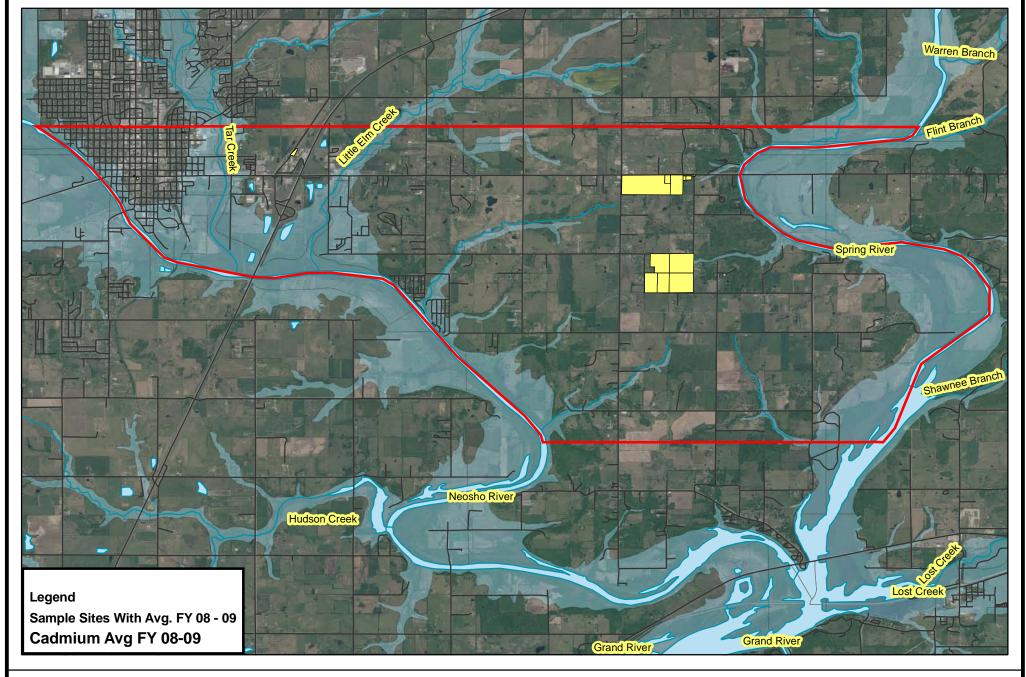
10/19/2009

Sample Site ID	October 08	November 08	December 08	January 09	February 09	March 09	April 09	July 09	August 09
Tar Creek	0.0018		0.0025		0.0028		0.0016	0.0000	
Little Elm Creek	0.0000		0.0000		0.0000			0.0000	
Neosho River Site 1	0.0000		0.0000		0.0000			0.0000	
Neosho River Site 2									
Spring River Site 1	0.0011		0.0036		0.0010		0.0000	0.0000	
Spring River Site 2									

Samples were not collected in May, June, or September 2009 due to Rain / flooding.

Cadmium Results (mg/l) FY 08-09





Cadmium Results (mg/l) FY 2008 - 2009 Average

Contact Information Lori Bailey Design By

Wind

918-541-1902

October 12, 2009

Ottawa Tribe of Oklahoma Environmental Department



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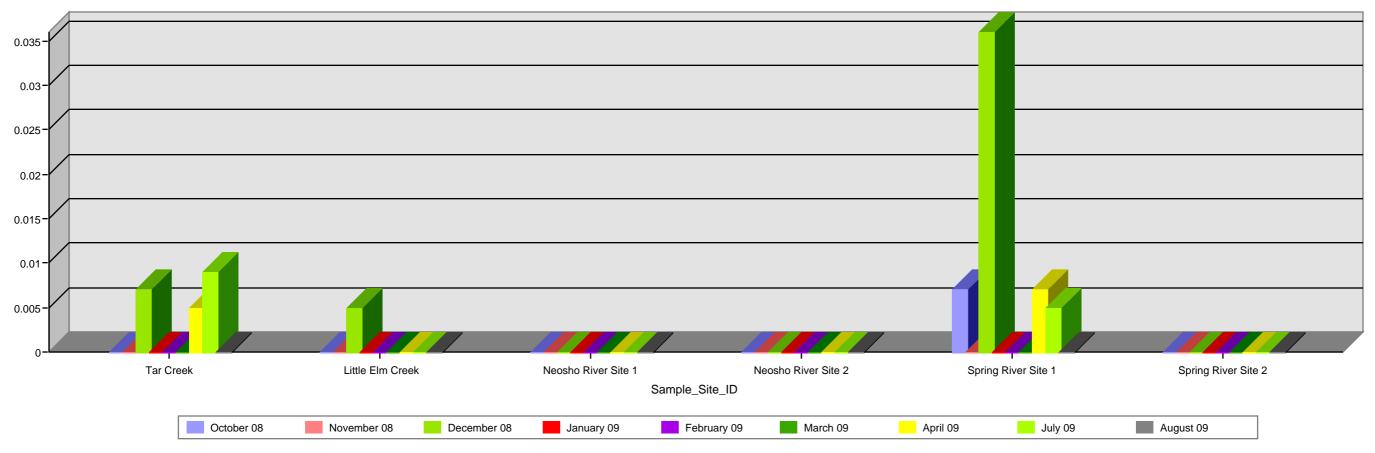
Lead Results FY 08-09

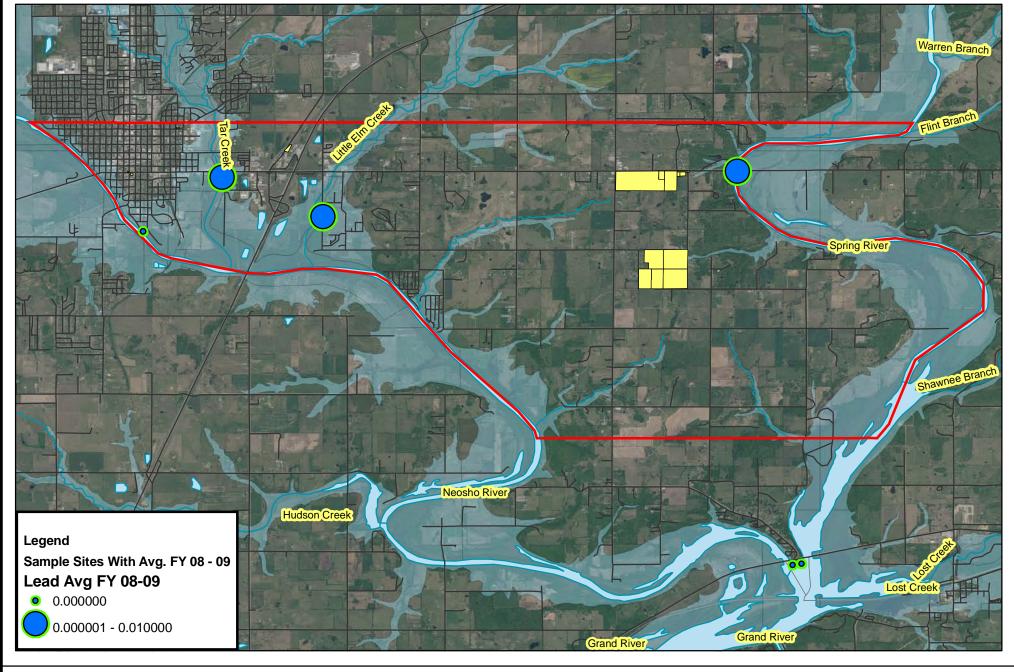
10/19/2009

Sample Site ID	October 08	November 08	December 08	January 09	February 09	March 09	April 09	July 09	August 09
Tar Creek	0.00		0.01		0.00		0.01	0.01	
Little Elm Creek	0.00		0.01		0.00			0.00	
Neosho River Site 1	0.00		0.00		0.00			0.00	
Neosho River Site 2									
Spring River Site 1	0.01		0.04		0.00		0.01	0.01	
Spring River Site 2									

Samples were not collected in May, June, or September 2009 due to Rain / flooding.

Lead Results FY 08-09





Lead Results FY 2008 - 2009 Average

Contact Information Lori Bailey Design By 918-541-1902 Wind

October 12, 2009

Ottawa Tribe of Oklahoma **Environmental Department**



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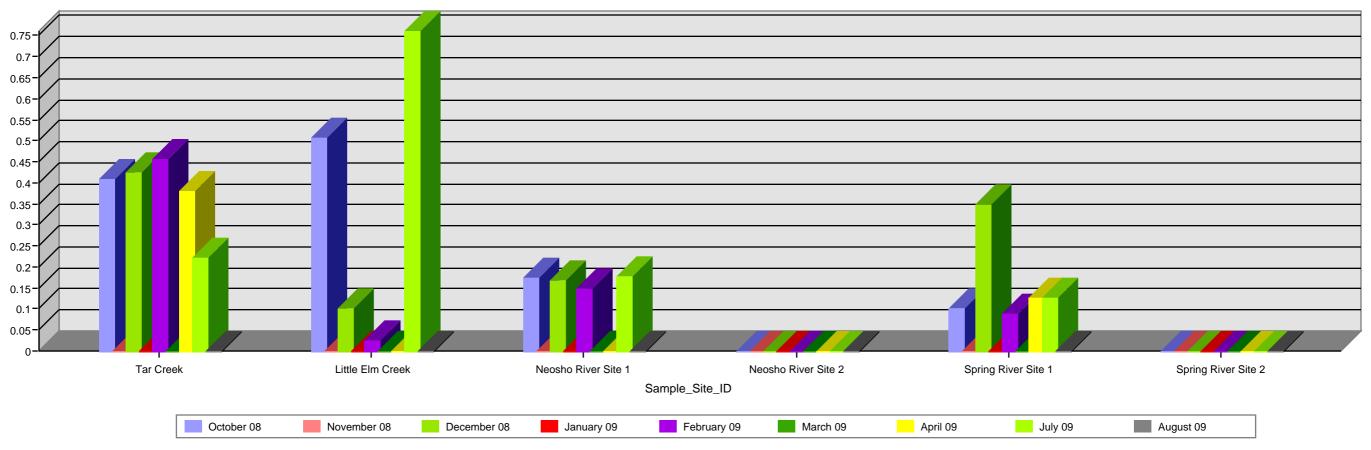
Manganese Results FY 08-09

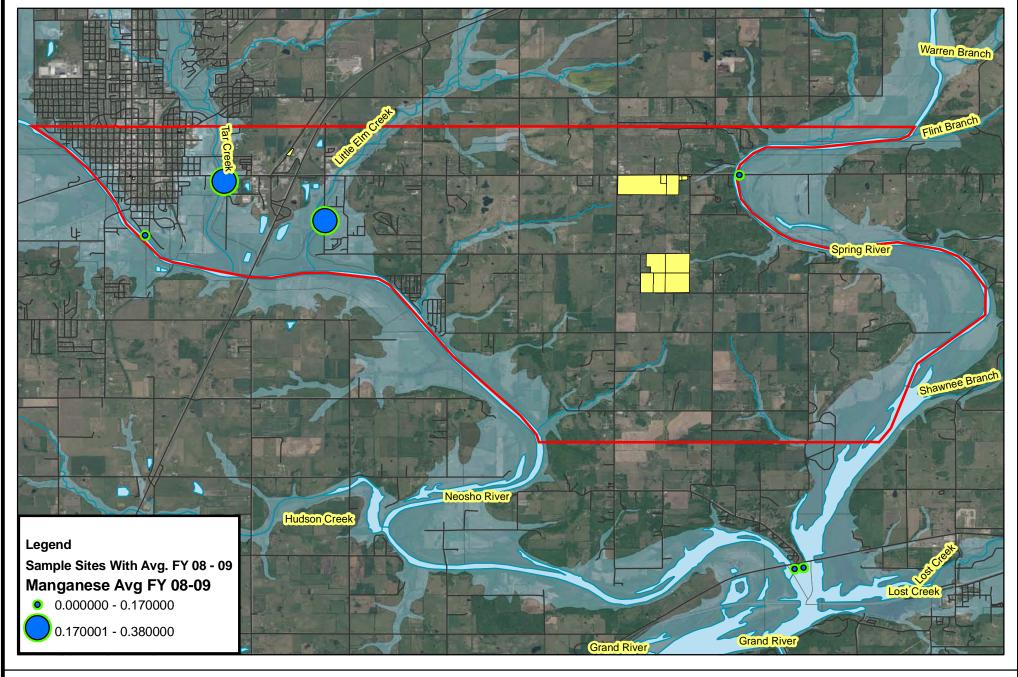
10/19/2009

Sample Site ID	October 08	November 08	December 08	January 09	February 09	March 09	April 09	July 09	August 09
Tar Creek	0.41		0.43		0.46		0.38	0.22	
Little Elm Creek	0.51		0.10		0.02			0.76	
Neosho River Site 1	0.18		0.17		0.15			0.18	
Neosho River Site 2									
Spring River Site 1	0.10		0.35		0.09		0.13	0.13	
Spring River Site 2									

Samples were not collected in May, June, or September 2009 due to Rain / flooding.

Manganese Results FY 08-09





Manganese Results FY 2008 - 2009 Average

Ottawa Tribe of Oklahoma Environmental Department



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K			Contac	t Inform	ation
	110	030	1,700	2,070	Meters
			1.780	2.670	3.560

Design By:

Drawn By: Lori Bailey
Phone: 918-541-1902

October 12, 2009