

Watershed Report

Caney Bayou-Arkansas River

1111020706

The Center for Advanced Spatial Technologies at the University of Arkansas has developed the Arkansas Automated Reporting and Mapping System with funding from the Arkansas 85th General Assembly through the Arkansas Natural Resource Commission.

The 308 ten-digit watershed units and the 1556 twelve-digit watershed units were delineated by the Natural Resources Conservation Service, a division of the US Department of Agriculture.

For all watersheds that cross the Arkansas border, only the Arkansas portion of the watershed was used for mapping and statistical reporting.

Watershed Summary (10 Digit HUC)

Caney Bayou-Arkansas River (1111020706)

Area Summary

Area - Square Miles.....	183.64
Area - Acres.....	118899.77

Elevation Summary

	<u>Meters</u>	<u>Feet</u>
Elevation Maximum.....	130.00	426.00
Elevation Minimum.....	54.00	177.00
Elevation Average.....	76.00	249.00

Land Use / Land Cover for 1999

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	12.87	7.04%
Bare.....	.26	.14%
Water.....	21.11	11.55%
Herbaceous.....	6.57	3.60%
Forest.....	116.84	63.94%
Agri - Crops.....	13.23	7.24%
Agri - pasture.....	11.85	6.48%

Land Use / Land Cover for 2004

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	17.31	9.47%
Bare.....	1.05	.57%
Water.....	19.89	10.88%
Herbaceous.....	5.00	2.74%
Forest.....	111.30	60.91%
Agri - Crops.....	12.25	6.70%
Agri - pasture.....	15.94	8.72%

Land Use / Land Cover for 2006

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	18.15	9.67%
Bare.....	.47	.25%
Water.....	19.33	10.30%
Herbaceous.....	11.67	6.22%
Forest.....	109.93	58.59%
Agri - Crops.....	12.14	6.47%

Agri - pasture.....: 11.04 5.88%

Land Use / Land Cover Change from 1999 to 2004

Area in Acres	Change TO						
	Urban	Bare	Water	Herbaceous	Forest	Agri-Crop	Agri-Pasture
Urban	-.--	-.--	-.--	-.--	-.--	-.--	-.--
Bare	11.64	-.--	.80	0.00	1.20	4.01	4.62
Water	180.44	244.87	-.--	55.60	535.70	303.47	130.26
FROM Herb	547.74	115.81	104.97	-.--	1017.00	336.59	1268.69
Forest	2392.67	188.87	829.34	1097.28	-.--	567.61	2018.55
Agri-Crops	317.72	60.01	99.15	126.45	910.82	-.--	312.71
Agri-Pasture	341.81	35.12	13.45	79.08	258.52	110.99	-.--

Sub-Watershed Summary (12 Digit HUC)

Harris Bayou
(111102070601)

Area Summary

Area - Square Miles.....	37.36
Area - Acres.....	24188.83

Elevation Summary

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....	115.00	377.00
Elevation Minimum.....	63.00	207.00
Elevation Average.....	82.00	269.00

Land Use / Land Cover for 1999

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.47	1.27%
Bare.....	.00	-.--%
Water.....	1.76	4.75%
Herbaceous.....	1.70	4.58%
Forest.....	29.21	78.78%
Agri - Crops.....	2.32	6.26%
Agri - pasture.....	1.62	4.37%

Land Use / Land Cover for 2004

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.88	2.37%
Bare.....	.11	.30%
Water.....	1.87	5.04%
Herbaceous.....	1.40	3.78%
Forest.....	27.65	74.57%
Agri - Crops.....	2.25	6.07%
Agri - pasture.....	2.92	7.87%

Land Use / Land Cover for 2006

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.91	2.45%
Bare.....	.02	.05%
Water.....	1.60	4.31%
Herbaceous.....	2.35	6.34%
Forest.....	27.56	74.33%
Agri - Crops.....	2.32	6.26%
Agri - pasture.....	2.32	6.26%

Land Use / Land Cover Change from 1999 to 2004

Area in Acres	Change TO						
	Urban	Bare	Water	Herbaceous	Forest	Agri-Crop	Agri-Pasture
Urban	-.--	-.--	-.--	-.--	-.--	-.--	-.--
Bare	.40	-.--	0.00	0.00	0.00	0.00	0.00
Water	4.21	7.63	-.--	15.66	43.96	26.69	18.87
FROM Herb	47.57	17.46	16.46	-.--	222.39	78.48	434.74
Forest	179.44	36.73	215.76	349.64	-.--	131.47	481.50
Agri-Crops	1.61	6.22	11.04	2.61	189.07	-.--	25.69
Agri-Pasture	43.55	4.62	2.81	11.44	62.62	24.49	-.--

**Tar Camp Creek-Arkansas River
(111102070602)**

Area Summary

Area - Square Miles.....	21.40
Area - Acres.....	13853.33

Elevation Summary

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....	118.00	387.00
Elevation Minimum.....	63.00	207.00
Elevation Average.....	78.00	256.00

Land Use / Land Cover for 1999

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.48	2.23%
Bare.....	.01	.05%
Water.....	3.33	15.44%
Herbaceous.....	1.01	4.68%
Forest.....	15.03	69.68%
Agri - Crops.....	.84	3.89%
Agri - pasture.....	.87	4.03%

Land Use / Land Cover for 2004

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.93	4.31%
Bare.....	.12	.56%
Water.....	3.18	14.74%
Herbaceous.....	.48	2.23%
Forest.....	14.59	67.64%
Agri - Crops.....	.97	4.50%
Agri - pasture.....	1.30	6.03%

Land Use / Land Cover for 2006

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.98	4.55%
Bare.....	.03	.14%
Water.....	3.14	14.56%
Herbaceous.....	.90	4.17%
Forest.....	14.64	67.90%
Agri - Crops.....	.82	3.80%
Agri - pasture.....	1.05	4.87%

Land Use / Land Cover Change from 1999 to 2004

<u>Area in Acres</u>	<u>Change TO</u>						
	<u>Urban</u>	<u>Bare</u>	<u>Water</u>	<u>Herbaceous</u>	<u>Forest</u>	<u>Agri-Crop</u>	<u>Agri-Pasture</u>
Urban	-.--	-.--	-.--	-.--	-.--	-.--	-.--
Bare	.20	-.--	0.00	0.00	.80	0.00	0.00
Water	1.00	22.28	-.--	6.62	57.20	58.01	6.62
FROM Herb	77.88	26.69	18.26	-.--	148.93	78.88	188.87
Forest	204.12	19.67	87.31	69.45	-.--	47.77	151.14
Agri-Crops	0.0	5.62	9.63	1.20	65.83	-.--	12.85
Agri-Pasture	36.93	.60	0.00	7.02	11.44	16.46	-.--

**Eastwood Bayou-Arkansas River
(111102070603)**

Area Summary

Area - Square Miles.....:	35.55
Area - Acres.....:	23019.95

Elevation Summary

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....:	128.00	420.00
Elevation Minimum.....:	58.00	190.00
Elevation Average.....:	78.00	256.00

Land Use / Land Cover for 1999

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....:	2.16	6.14%
Bare.....:	.04	.11%
Water.....:	3.35	9.53%
Herbaceous.....:	1.21	3.44%
Forest.....:	24.59	69.94%
Agri - Crops.....:	1.60	4.55%
Agri - pasture.....:	2.21	6.29%

Land Use / Land Cover for 2004

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....:	2.90	8.25%
Bare.....:	.27	.77%
Water.....:	3.16	8.99%
Herbaceous.....:	.93	2.65%
Forest.....:	23.52	66.91%
Agri - Crops.....:	1.52	4.32%
Agri - pasture.....:	2.85	8.11%

Land Use / Land Cover for 2006

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....:	3.00	8.53%
Bare.....:	.13	.37%
Water.....:	3.09	8.79%
Herbaceous.....:	2.47	7.03%
Forest.....:	22.92	65.19%
Agri - Crops.....:	1.73	4.92%
Agri - pasture.....:	1.82	5.18%

Land Use / Land Cover Change from 1999 to 2004

<u>Area in Acres</u>	<u>Change TO</u>						
	<u>Urban</u>	<u>Bare</u>	<u>Water</u>	<u>Herbaceous</u>	<u>Forest</u>	<u>Agri-Crop</u>	<u>Agri-Pasture</u>
Urban	-.--	-.--	-.--	-.--	-.--	-.--	-.--
Bare	7.43	-.--	0.00	0.00	0.00	.20	.20
Water	13.05	136.88	-.--	9.63	75.87	37.13	39.34
FROM Herb	96.74	42.55	27.50	-.--	145.92	74.66	210.34
Forest	369.51	37.73	168.80	251.09	-.--	113.20	325.15
Agri-Crops	29.50	4.62	15.66	32.52	139.69	-.--	44.56
Agri-Pasture	34.72	15.25	6.22	48.97	39.14	32.52	-.--

**Caney Creek-Caney Bayou
(111102070605)**

Area Summary

Area - Square Miles.....	42.76
Area - Acres.....	27685.08

Elevation Summary

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....	130.00	426.00
Elevation Minimum.....	58.00	190.00
Elevation Average.....	81.00	266.00

Land Use / Land Cover for 1999

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	7.76	18.00%
Bare.....	.12	.28%
Water.....	1.09	2.53%
Herbaceous.....	1.48	3.43%
Forest.....	29.39	68.19%
Agri - Crops.....	.50	1.16%
Agri - pasture.....	2.76	6.40%

Land Use / Land Cover for 2004

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	9.35	21.69%
Bare.....	.25	.58%
Water.....	1.03	2.39%
Herbaceous.....	1.07	2.48%
Forest.....	26.97	62.58%
Agri - Crops.....	.48	1.11%
Agri - pasture.....	3.95	9.16%

Land Use / Land Cover for 2006

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	9.81	22.76%
Bare.....	.13	.30%
Water.....	.97	2.25%
Herbaceous.....	3.45	8.00%
Forest.....	25.63	59.47%
Agri - Crops.....	.74	1.72%
Agri - pasture.....	2.37	5.50%

Land Use / Land Cover Change from 1999 to 2004

<u>Area in Acres</u>	<u>Change TO</u>						
	<u>Urban</u>	<u>Bare</u>	<u>Water</u>	<u>Herbaceous</u>	<u>Forest</u>	<u>Agri-Crop</u>	<u>Agri-Pasture</u>
Urban	-.--	-.--	-.--	-.--	-.--	-.--	-.--
Bare	1.61	-.--	0.00	0.00	.40	0.00	1.81
Water	20.67	4.82	-.--	.20	65.83	5.02	28.30
FROM Herb	218.17	22.88	11.84	-.--	318.53	12.44	326.36
Forest	1258.66	57.00	42.95	342.81	-.--	28.30	818.10
Agri-Crops	41.75	3.21	1.40	0.00	50.78	-.--	23.88
Agri-Pasture	210.55	13.65	.20	10.64	113.60	1.61	-.--

**Caney Creek-Arkansas River
(111102070604)**

Area Summary

Area - Square Miles.....:	21.85
Area - Acres.....:	14149.06

Elevation Summary

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....:	84.00	276.00
Elevation Minimum.....:	59.00	194.00
Elevation Average.....:	65.00	213.00

Land Use / Land Cover for 1999

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....:	1.43	6.72%
Bare.....:	.04	.19%
Water.....:	3.54	16.63%
Herbaceous.....:	.57	2.68%
Forest.....:	11.68	54.86%
Agri - Crops.....:	2.36	11.09%
Agri - pasture.....:	1.67	7.84%

Land Use / Land Cover for 2004

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....:	2.13	10.00%
Bare.....:	.15	.70%
Water.....:	2.99	14.04%
Herbaceous.....:	.47	2.21%
Forest.....:	11.53	54.13%
Agri - Crops.....:	2.03	9.53%
Agri - pasture.....:	2.00	9.39%

Land Use / Land Cover for 2006

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....:	2.17	10.19%
Bare.....:	.07	.33%
Water.....:	2.97	13.94%
Herbaceous.....:	.97	4.55%
Forest.....:	11.70	54.93%
Agri - Crops.....:	1.94	9.11%
Agri - pasture.....:	1.48	6.95%

Land Use / Land Cover Change from 1999 to 2004

<u>Area in Acres</u>	<u>Change TO</u>						
	<u>Urban</u>	<u>Bare</u>	<u>Water</u>	<u>Herbaceous</u>	<u>Forest</u>	<u>Agri-Crop</u>	<u>Agri-Pasture</u>
FROM Urban	-.--	-.--	-.--	-.--	-.--	-.--	-.--
Bare	.40	-.--	0.00	0.00	0.00	1.20	.20
Water	94.74	40.34	-.--	22.08	175.42	95.14	15.05
FROM Herb	89.92	4.01	6.02	-.--	99.35	35.12	49.78
Forest	294.24	13.05	114.41	56.60	-.--	88.11	141.50
Agri-Crops	57.00	27.10	12.64	41.15	228.61	-.--	79.08
Agri-Pasture	4.21	.20	.40	0.00	10.84	13.45	-.--

**Plum Bayou-Arkansas River
(111102070606)**

Area Summary

Area - Square Miles.....:	24.72
Area - Acres.....:	16003.52

Elevation Summary

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....:	66.00	216.00
Elevation Minimum.....:	54.00	177.00
Elevation Average.....:	61.00	200.00

Land Use / Land Cover for 1999

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....:	.57	2.32%
Bare.....:	.05	.20%
Water.....:	8.04	32.78%
Herbaceous.....:	.60	2.45%
Forest.....:	6.94	28.29%
Agri - Crops.....:	5.61	22.87%
Agri - pasture.....:	2.72	11.09%

Land Use / Land Cover for 2004

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....:	1.12	4.56%
Bare.....:	.15	.61%
Water.....:	7.66	31.21%
Herbaceous.....:	.65	2.65%
Forest.....:	7.04	28.69%
Agri - Crops.....:	5.00	20.37%
Agri - pasture.....:	2.92	11.90%

Land Use / Land Cover for 2006

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....:	1.28	5.22%
Bare.....:	.09	.37%
Water.....:	7.56	30.82%
Herbaceous.....:	1.53	6.24%
Forest.....:	7.48	30.49%
Agri - Crops.....:	4.59	18.71%
Agri - pasture.....:	2.00	8.15%

Land Use / Land Cover Change from 1999 to 2004

<u>Area in Acres</u>	<u>Change TO</u>						
	<u>Urban</u>	<u>Bare</u>	<u>Water</u>	<u>Herbaceous</u>	<u>Forest</u>	<u>Agri-Crop</u>	<u>Agri-Pasture</u>
Urban	-.--	-.--	-.--	-.--	-.--	-.--	-.--
Bare	1.61	-.--	.80	0.00	0.00	2.61	2.41
Water	46.77	32.92	-.--	1.40	117.42	81.49	22.08
FROM Herb	17.46	2.21	24.89	-.--	81.89	57.00	58.61
Forest	86.71	24.69	200.11	27.70	-.--	158.76	101.16
Agri-Crops	187.87	13.25	48.77	48.97	236.84	-.--	126.65
Agri-Pasture	11.84	.80	3.81	1.00	20.87	22.48	-.--