

**APPENDIX A:**  
**Tidal Influence in Selected Subsegments:**  
**Information Provided by Max Forbes via**  
**Personal Communication**



**From:** Max Forbes  
**Sent:** Tuesday, May 31, 2011 3:05 PM  
**To:** Sievers, Mark -- FFX  
**Cc:** Chuck Berger  
**Subject:** Comments on LA streams experiencing tidal action

Following are comments on the listing of streams that you sent. Segments that were obviously not tidal (Comite River, Big Creek) were excluded.

040201—Bayou Manchac - When the Amite River is low, tidal action from Lake Maurepas can affect this Bayou.

040302 – Amite River – When the River is low, tidal action is discernible at Port Vincent; effect may fade out before the Denham Springs gage.

040303 – Amite River – Diversion Canal to Maurepas – tidal action much of the time; fading out if the River is high.

040304 – Gray’s Creek – tidal affected in lower reaches, estimated last three miles.

040401 – Blind River – Diversion Canal to Maurepas – tidal action most of the time, high Amite River stages may affect.

040403 – Blind River – Headwaters to Diversion Canal – likely tidal most of the time, high Amite River stages may affect

040305 – Colyell Creek – tidal affected in lower reaches, estimated south of about lat. 30 degrees, 22 minutes, 30 seconds.

040501 – Tickfaw River – Stateline to La 42 – estimate tidal south of about Springville

040503 – Natalbany River – estimate tidal south of I-12

040504 – Yellow Water River – estimate tidal south of La. 22.

040505 – Ponchatoula Creek and River – estimate tidal south of US 61

040603 – Selser’s Creek – estimate tidal south of local road about 1 mile south of La. 22.

040701 – Tangipahoa River – estimate tidal south of La. 22.

040801 – Tchefuncte River – estimate tidal south of US 190.

040903 – Bayou Cane – estimate tidal downstream of US 190.

040905—Bayou Liberty – estimate tidal south of I-12.

040906 – Bayou Liberty – estimate entirely tidal

040909 – W-14 Canal – estimate tidal south of Daney Street in Slidell. Call for specifics.

040910 – Salt Bayou – estimate entirely tidal

041201 – Bayou LaBranche – estimate entirely tidal

041302 – Lake Pontchartrain Drainage Canals – the area is leveed and rainfall runoff is pumped when a specified water level is experienced within the leveed area. The boundaries were looked at with regard to free flow.

041401 – New Orleans East leveed waterbodies – as for 041302

041805 – Violet Canal – A gated structure exists where the Canal meets the MRGO and is operated to prevent high Gulf tides from reaching the area. Otherwise, the Canal is affected by tidal action from Lake Borgne.

*Max J. Forbes Jr.*

# APPENDIX B:

## Turbidity and TSS Water Quality Data

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**Table B-1. Turbidity observations for LDEQ station 44 in subsegment 040301.**

Collection Date	Result (NTU)	MDL (NTU)	Analytical Fraction	Filtration Method
3/6/78	9			
4/10/78	6			
5/8/78	22			
6/12/78	17			
7/10/78	21			
8/14/78	16			
9/11/78	9			
10/9/78	8.2			
11/13/78	8			
12/11/78	84			
1/8/79	11			
2/12/79	16			
3/12/79	12			
4/18/79	11			
5/16/79	18			
6/13/79	8			
7/9/79	15			
9/10/79	30			
10/8/79	11			
11/5/79	9			
12/10/79	11			
1/14/80	77			
2/11/80	100			
3/11/80	15			
4/14/80	23			
5/12/80	8.5			
9/15/80	10			
10/13/80	6			
11/18/80	33			
12/8/80	8			
1/12/81	3			
2/9/81	18			
3/9/81	16			
4/13/81	5			
5/11/81	15			
6/8/81	28			
7/13/81	18			
8/10/81	2.3			
9/14/81	10			
10/12/81	5.8			
11/16/81	5			
12/14/81	6			
1/11/82	31			
2/8/82	17			

**TMDLs for Turbidity and TSS for Selected Subsegments in the Lake Pontchartrain Basin, LA**

Collection Date	Result (NTU)	MDL (NTU)	Analytical Fraction	Filtration Method
3/8/82	30			
4/13/82	10			
5/11/82	10			
6/15/82	5.4			
7/13/82	44			
8/10/82	17			
9/13/82	5.9			
10/11/82	9.3			
11/15/82	3.4			
12/14/82	18			
1/11/83	32			
2/7/83	85			
3/14/83	15			
4/12/83	24			
5/9/83	4.6			
6/13/83	10			
7/11/83	14			
8/8/83	44			
9/12/83	4.1			
10/10/83	1.5			
11/14/83	5.1			
12/12/83	130			
1/9/84	13			
2/13/84	312			
3/14/84	140			
4/9/84	23			
5/14/84	5.4			
7/9/84	8.9			
9/10/84	14			
10/9/84	6.1			
11/13/84	10			
12/10/84	21			
1/14/85	5.2			
2/11/85	222			
3/11/85	14			
4/8/85	5.4			
5/13/85	5.2			
6/10/85	11			
7/8/85	14			
8/12/85	11			
9/9/85	88			
10/14/85	7.9			
11/18/85	11			
12/9/85	11			
1/13/86	13			



**TMDLs for Turbidity and TSS for Selected Subsegments in the Lake Pontchartrain Basin, LA**

Collection Date	Result (NTU)	MDL (NTU)	Analytical Fraction	Filtration Method
2/18/86	17			
3/18/86	8.2			
4/15/86	7			
5/13/86	16			
6/10/86	18.5			
7/15/86	7			
8/12/86	13			
9/9/86	9			
10/14/86	13			
11/17/86	10			
12/8/86	12			
1/12/87	24			
2/16/87	84			
3/9/87	46			
4/13/87	11			
5/11/87	11			
6/8/87	7.3			
7/13/87	6.9			
8/10/87	28			
9/14/87	9.3			
10/12/87	4.2			
11/16/87	12			
12/14/87	4.8			
1/11/88	11			
2/8/88	23			
3/14/88	16			
4/11/88	25			
5/9/88	6.1			
6/13/88	6.9			
7/11/88	20			
8/8/88	11			
9/12/88	34			
10/10/88	11			
11/14/88	72			
12/12/88	34			
1/9/89	15			
2/13/89	11			
3/14/89	11			
4/10/89	12			
5/8/89	36			
6/13/89	23			
7/11/89	49.5			
8/15/89	5.8			
9/12/89	13			
10/9/89	6.3			

**TMDLs for Turbidity and TSS for Selected Subsegments in the Lake Pontchartrain Basin, LA**

Collection Date	Result (NTU)	MDL (NTU)	Analytical Fraction	Filtration Method
11/13/89	7.5			
12/11/89	35			
1/8/90	75			
2/12/90	50			
3/12/90	12			
4/9/90	6.9			
5/14/90	15			
6/11/90	25			
7/9/90	12			
8/13/90	11			
9/10/90	10			
10/15/90	5.7			
11/13/90	6			
12/10/90	10			
1/15/91	21			
2/5/91	25			
3/12/91	9.2			
4/16/91	64			
5/14/91	19			
6/11/91	8			
7/16/91	7.6			
8/13/91	24			
9/10/91	21			
10/15/91	5.8			
11/19/91	6			
12/10/91	11			
1/6/92	6.2			
2/11/92	17			
3/10/92	27			
4/7/92	5.8			
5/12/92	7.6			
6/16/92	14			
7/14/92	8			
8/11/92	10			
9/15/92	7.9			
10/13/92	5.6			
11/17/92	14			
12/15/92	14			
1/12/93	76			
2/9/93	9			
3/9/93	17			
4/13/93	20			
5/11/93	10			
6/15/93	6.5			
7/13/93	14			

**TMDLs for Turbidity and TSS for Selected Subsegments in the Lake Pontchartrain Basin, LA**

Collection Date	Result (NTU)	MDL (NTU)	Analytical Fraction	Filtration Method
8/10/93	13			
9/14/93	6			
10/12/93	5			
11/16/93	102			
12/14/93	40			
1/11/94	12			
2/8/94	30			
3/15/94	13			
4/12/94	13			
5/10/94	45			
6/14/94	12			
7/12/94	62			
8/9/94	7			
9/13/94	13			
10/11/94	10			
11/15/94	12			
12/13/94	23			
1/10/95	18			
2/14/95	17			
3/14/95	110			
4/4/95	15			
5/9/95	60			
6/13/95	12			
7/11/95	8.4			
8/15/95	16			
9/12/95	10			
10/10/95	5.1			
11/13/95	9.5			
12/11/95	20.5			
1/9/96	7			
2/12/96	13			
3/11/96	18			
4/9/96	13			
5/13/96	6.5			
6/10/96	14			
7/8/96	7.1			
8/12/96	15			
9/9/96	6			
10/14/96	4.2			
11/18/96	4.7			
12/9/96	6.4			
1/6/97	8.7			
2/17/97	27			
3/10/97	15			
4/14/97	22			

**TMDLs for Turbidity and TSS for Selected Subsegments in the Lake Pontchartrain Basin, LA**

Collection Date	Result (NTU)	MDL (NTU)	Analytical Fraction	Filtration Method
5/12/97	6			
6/9/97	29			
7/15/97	35			
8/11/97	31			
9/8/97	7			
10/13/97	5.1			
11/17/97	5.8			
12/8/97	14			
1/12/98	92			
2/9/98	9.4			
3/9/98	65			
4/13/98	5.8			
5/11/98	8			

**Table B-2. TSS observations for LDEQ station 44 in subsegment 040301.**

Collection Date	Result	MDL	Units	Analytical Fraction	Filtration Method
5/8/78	24		ppm		
7/10/78	34		ppm		
8/14/78	20		ppm		
9/11/78	10		ppm		
10/9/78	2		ppm		
11/13/78	14		ppm		
12/11/78	12		ppm		
1/8/79	18		ppm		
3/12/79	10		ppm		
6/13/79	12		ppm		
10/8/79	30		ppm		
11/5/79	16		ppm		
12/10/79	12		ppm		
1/14/80	120		ppm		
2/11/80	206		ppm		
3/11/80	28		ppm		
4/14/80	30		ppm		
5/12/80	6		ppm		
6/10/80	16		ppm		
9/15/80	2		ppm		
12/8/80	2		ppm		
1/12/81	6		ppm		
2/9/81	10		ppm		
3/9/81	20		ppm		
4/13/81	18		ppm		
5/11/81	28		ppm		
6/8/81	40		ppm		
7/13/81	16		ppm		

**TMDLs for Turbidity and TSS for Selected Subsegments in the Lake Pontchartrain Basin, LA**

Collection Date	Result	MDL	Units	Analytical Fraction	Filtration Method
8/10/81	20		ppm		
9/14/81	18		ppm		
10/12/81	4		ppm		
11/16/81	16		ppm		
12/14/81	22		ppm		
1/11/82	32		ppm		
2/8/82	26		ppm		
3/8/82	30		ppm		
4/13/82	8		ppm		
5/11/82	6		ppm		
6/15/82	9		ppm		
7/13/82	84		ppm		
8/10/82	28		ppm		
9/13/82	7		ppm		
10/11/82	8		ppm		
11/15/82	1		ppm		
12/14/82	19		ppm		
1/11/83	27		ppm		
2/7/83	132		ppm		
3/14/83	17		ppm		
4/12/83	35		ppm		
5/9/83	18		ppm		
6/13/83	9		ppm		
7/11/83	12		ppm		
8/8/83	42		ppm		
9/12/83	16		ppm		
10/10/83	4		ppm		
11/14/83	4		ppm		
12/12/83	152		ppm		
1/9/84	4		ppm		
2/13/84	260		ppm		
3/14/84	152		ppm		
4/9/84	23		ppm		
5/14/84	7		ppm		
7/9/84	8		ppm		
9/10/84	3		ppm		
10/9/84	4		ppm		
11/13/84	12		ppm		
12/10/84	18		ppm		
1/14/85	7		ppm		
2/11/85	256		ppm		
3/11/85	10		ppm		
4/8/85	6		ppm		
5/13/85	8		ppm		
6/10/85	8		ppm		

**TMDLs for Turbidity and TSS for Selected Subsegments in the Lake Pontchartrain Basin, LA**

Collection Date	Result	MDL	Units	Analytical Fraction	Filtration Method
7/8/85	13		ppm		
8/12/85	8		ppm		
9/9/85	106		ppm		
10/14/85	10		ppm		
11/18/85	10		ppm		
12/9/85	2		ppm		
1/13/86	10		ppm		
2/18/86	4		ppm		
3/18/86	2		ppm		
4/15/86	12		ppm		
5/13/86	26		ppm		
6/10/86	22		ppm		
7/15/86	10		ppm		
8/12/86	4		ppm		
9/9/86	6		ppm		
10/14/86	32		ppm		
11/17/86	12		ppm		
12/8/86	16		ppm		
1/12/87	6		ppm		
2/16/87	264		ppm		
3/9/87	106		ppm		
4/13/87	10		ppm		
5/11/87	14		ppm		
6/8/87	10		ppm		
7/13/87	8		ppm		
8/10/87	40		ppm		
9/14/87	28		ppm		
10/12/87	9		ppm		
11/16/87	5		ppm		
12/14/87	14		ppm		
1/11/88	11		ppm		
2/8/88	44		ppm		
3/14/88	22		ppm		
4/11/88	21		ppm		
5/9/88	14		ppm		
6/13/88	10		ppm		
7/11/88	26		ppm		
8/8/88	13		ppm		
9/12/88	40		ppm		
10/10/88	16		ppm		
11/14/88	176		ppm		
12/12/88	76		ppm		
1/9/89	19		ppm		
2/13/89	16		ppm		
3/14/89	13		ppm		

**TMDLs for Turbidity and TSS for Selected Subsegments in the Lake Pontchartrain Basin, LA**

Collection Date	Result	MDL	Units	Analytical Fraction	Filtration Method
4/10/89	14		ppm		
5/8/89	56		ppm		
6/13/89	30		ppm		
7/11/89	126		ppm		
8/15/89	12		ppm		
9/12/89	16		ppm		
10/9/89	5		ppm		
11/13/89	4		ppm		
12/11/89	38		ppm		
1/8/90	124		ppm		
2/12/90	62		ppm		
3/12/90	10		ppm		
4/9/90	9		ppm		
5/14/90	14		ppm		
6/11/90	29		ppm		
7/9/90	10		ppm		
8/13/90	12		ppm		
9/10/90	16		ppm		
10/15/90	5		ppm		
11/13/90	8		ppm		
12/10/90	14		ppm		
1/15/91	39		ppm		
2/5/91	33		ppm		
3/12/91	8		ppm		
4/16/91	138		ppm		
5/14/91	26		ppm		
6/11/91	5		ppm		
7/16/91	2		ppm		
8/13/91	28		ppm		
9/10/91	32		ppm		
10/15/91	3		ppm		
11/19/91	9		ppm		
12/10/91	12		ppm		
1/6/92	6		ppm		
2/11/92	18		ppm		
3/10/92	35		ppm		
4/7/92	9		ppm		
5/12/92	8		ppm		
6/16/92	8		ppm		
7/14/92	4		ppm		
8/11/92	8		ppm		
9/15/92	38		ppm		
10/13/92	3		ppm		
11/17/92	6		ppm		
12/15/92	6		ppm		

**TMDLs for Turbidity and TSS for Selected Subsegments in the Lake Pontchartrain Basin, LA**

Collection Date	Result	MDL	Units	Analytical Fraction	Filtration Method
1/12/93	158		ppm		
2/9/93	4		ppm		
3/9/93	16.5		ppm		
4/13/93	21		ppm		
5/11/93	9		ppm		
6/15/93	9		ppm		
7/13/93	15		ppm		
8/10/93	11		ppm		
9/14/93	4		ppm		
10/12/93	4		ppm		
11/16/93	176		ppm		
12/14/93	64		ppm		
1/11/94	4		ppm		
2/8/94	23		ppm		
3/15/94	9		ppm		
4/12/94	14		ppm		
5/10/94	81		ppm		
6/14/94	8		ppm		
7/12/94	112		ppm		
8/9/94	6		ppm		
9/13/94	91		ppm		
10/11/94	11		ppm		
11/15/94	6		ppm		
12/13/94	13		ppm		
1/10/95	16		ppm		
2/14/95	9		ppm		
3/14/95	262		ppm		
4/4/95	8		ppm		
5/9/95	80		ppm		
6/13/95	14.5		ppm		
7/11/95	10		ppm		
8/15/95	27		ppm		
9/12/95	12		ppm		
10/10/95	8		ppm		
11/13/95	12		ppm		
12/11/95	21.3		ppm		
1/9/96	3		ppm		
2/12/96	8		ppm		
3/11/96	14		ppm		
4/9/96	12		ppm		
5/13/96	9		ppm		
6/10/96	15		ppm		
7/8/96	36		ppm		
8/12/96	20		ppm		
9/9/96	7		ppm		



**TMDLs for Turbidity and TSS for Selected Subsegments in the Lake Pontchartrain Basin, LA**

Collection Date	Result	MDL	Units	Analytical Fraction	Filtration Method
10/14/96	3		ppm		
11/18/96	8.5		ppm		
12/9/96	4		ppm		
1/6/97	9		ppm		
2/17/97	29		ppm		
3/10/97	6.5		ppm		
4/14/97	14		ppm		
5/12/97	4		ppm		
6/9/97	18		ppm		
7/15/97	25		ppm		
8/11/97	23.9		ppm		
9/8/97	7		ppm		
10/13/97	4		ppm		
11/17/97	4		ppm		
12/8/97	9		ppm		
1/12/98	126		ppm		
2/9/98	7		ppm		
3/9/98	77.5		ppm		
4/13/98	5		ppm		
5/11/98	6.5		ppm		

**Table B-3. Turbidity observations for LDEQ station 119 in subsegment 040301.**

Collection Date	Result (NTU)	MDL (NTU)	Analytical Fraction	Filtration Method
1/1/68	80			
2/1/68	30			
3/1/68	30			
4/1/68	30			
5/1/68	30			
6/1/68	25			
7/1/68	30			
8/1/68	30			
9/1/68	30			
10/1/68	30			
11/1/68	30			
12/1/68	25			
1/1/69	30			
2/1/69	30			
3/1/69	85			
4/1/69	30			
5/1/69	30			
6/1/69	30			
7/1/69	30			
8/1/69	30			
9/1/69	30			

**TMDLs for Turbidity and TSS for Selected Subsegments in the Lake Pontchartrain Basin, LA**

Collection Date	Result (NTU)	MDL (NTU)	Analytical Fraction	Filtration Method
10/1/69	30			
11/1/69	30			
12/1/69	30			
1/1/70	30			
2/1/70	30			
3/1/70	30			
4/1/70	30			
5/1/70	30			
6/1/70	30			
7/1/70	30			
8/1/70	30			
9/1/70	30			
10/1/70	30			
11/1/70	19			
12/1/70	8			
1/1/71	50			
2/1/71	31			
3/1/71	35			
4/1/71	30			
5/1/71	4			
6/1/71	15			
7/1/71	5			
8/1/71	10			
9/1/71	6			
10/1/71	10			
11/1/71	5			
12/1/71	15			
1/1/72	25			
2/1/72	10			
3/1/72	90			
4/1/72	25			
5/1/72	10			
6/1/72	10			
7/1/72	5			
8/1/72	6			
9/1/72	10			
10/1/72	10			
11/1/72	5			
12/1/72	15			
1/1/73	20			
2/1/73	10			
3/1/73	6			
4/1/73	45			
5/1/73	50			
6/1/73	38			

**TMDLs for Turbidity and TSS for Selected Subsegments in the Lake Pontchartrain Basin, LA**

Collection Date	Result (NTU)	MDL (NTU)	Analytical Fraction	Filtration Method
7/1/73	6			
8/1/73	10			
9/1/73	9			
10/1/73	28			
11/1/73	2			
12/1/73	13			
1/2/74	30			
2/4/74	30			
3/4/74	9			
4/1/74	8			
5/1/74	6			
6/4/74	16			
7/30/74	10			
9/3/74	8			
10/3/74	5			
11/4/74	5			
12/2/74	16			
12/31/74	9			
2/3/75	13			
3/3/75	8			
3/31/75	13			
4/30/75	22			
6/2/75	15			
6/30/75	33			
8/1/75	30			
9/1/75	32			
10/1/75	30			
11/5/75	37			
12/2/75	32			
1/5/76	62			
3/8/76	13			
4/5/76	27			
6/1/76	16			
7/14/76	26			
8/5/76	15			
9/3/76	24			
10/7/76	18			
11/9/76	12			
12/14/76	28			
1/3/77	20			
2/10/77	32			
3/30/77	32			
5/4/77	25			
5/31/77	9			
9/6/77	40			

**TMDLs for Turbidity and TSS for Selected Subsegments in the Lake Pontchartrain Basin, LA**

Collection Date	Result (NTU)	MDL (NTU)	Analytical Fraction	Filtration Method
10/10/77	60			
12/8/77	30			
1/4/78	20			
3/6/78	12			
4/10/78	6			
5/8/78	53			
7/1/78	19			
8/14/78	12			
9/11/78	11			
10/9/78	9			
1/8/79	11			
2/12/79	25			
3/12/79	15			
4/18/79	11			
6/13/79	10			
7/9/79	10			
9/10/79	82			
10/8/79	12			
12/10/79	12			
1/14/80	125			
2/11/80	14			
3/11/80	18			
4/14/80	160			
5/12/80	16			
9/15/80	10			
10/13/80	8			
11/18/80	20			
12/8/80	6			
1/12/81	6			
2/9/81	20			
3/9/81	24			
4/13/81	5			
5/11/81	14			
6/8/81	28			
7/13/81	18			
8/10/81	4			
9/14/81	7.9			
10/12/81	3.8			
12/14/81	16			
1/11/82	36			
2/8/82	28			
3/8/82	37			
4/13/82	11			
5/11/82	10			
6/15/82	5			

**TMDLs for Turbidity and TSS for Selected Subsegments in the Lake Pontchartrain Basin, LA**

Collection Date	Result (NTU)	MDL (NTU)	Analytical Fraction	Filtration Method
7/13/82	21			
8/10/82	17			
9/13/82	6.7			
10/11/82	4.5			
11/15/82	3.5			
12/14/82	53			
1/11/83	63			
2/7/83	110			
3/14/83	15			
4/12/83	60			
5/9/83	6.4			
6/13/83	12			
7/11/83	14			
8/8/83	80			
9/12/83	111			
10/10/83	4.4			
11/14/83	5.3			
12/12/83	256			
1/9/84	18			
3/14/84	266			
4/9/84	46			
5/14/84	5.7			
7/9/84	13			
9/10/84	14			
10/9/84	14			
11/13/84	18			
12/10/84	34			
1/14/85	18			
2/11/85	185			
3/11/85	19			
4/8/85	16			
5/13/85	20			
6/10/85	17			
7/8/85	28			
8/12/85	17			
9/9/85	61			
10/14/85	12			
11/18/85	65			
12/9/85	13			
1/13/86	18			
2/18/86	20			
3/18/86	14			
4/15/86	12			
5/13/86	20			
6/10/86	58			

**TMDLs for Turbidity and TSS for Selected Subsegments in the Lake Pontchartrain Basin, LA**

Collection Date	Result (NTU)	MDL (NTU)	Analytical Fraction	Filtration Method
7/15/86	20			
8/12/86	9			
9/9/86	9			
10/14/86	23			
11/17/86	12			
12/8/86	14			
1/12/87	43			
2/16/87	90			
3/9/87	78			
4/13/87	14			
5/11/87	14			
6/8/87	9.6			
7/13/87	11			
8/10/87	26			
9/14/87	13			
10/12/87	4.2			
11/16/87	11			
12/14/87	4.4			
1/11/88	12			
2/8/88	36			
3/14/88	26			
4/11/88	29			
5/9/88	7			
6/13/88	6.8			
7/11/88	25			
9/12/88	51			
10/10/88	16			
11/14/88	228			
12/12/88	56			
1/9/89	14			
2/13/89	15			
3/14/89	23			
4/10/89	13			
5/8/89	30			
6/13/89	34			
7/11/89	56			
8/14/89	11			
9/12/89	39			
10/10/89	7.6			
11/13/89	11.5			
12/11/89	40.8			
1/8/90	120			
2/12/90	85			
3/12/90	24			
4/9/90	17			

**TMDLs for Turbidity and TSS for Selected Subsegments in the Lake Pontchartrain Basin, LA**

Collection Date	Result (NTU)	MDL (NTU)	Analytical Fraction	Filtration Method
5/14/90	22			
6/11/90	17			
7/9/90	18			
8/13/90	11			
9/10/90	11			
10/15/90	7.4			
11/13/90	7.8			
12/10/90	14			
1/15/91	43			
2/4/91	50			
2/5/91	36			
3/12/91	16			
4/16/91	108			
5/14/91	34			
6/11/91	12			
7/16/91	11			
8/13/91	25			
9/10/91	20			
10/15/91	6			
11/19/91	7.1			
12/10/91	12			
1/6/92	7.7			
2/11/92	25			
3/10/92	53			
4/7/92	15			
5/12/92	17			
6/16/92	18			
7/14/92	13			
8/11/92	15			
9/15/92	8.1			
10/13/92	8.1			
11/17/92	19			
12/15/92	20			
1/12/93	85			
2/9/93	13			
3/9/93	23			
4/13/93	29			
5/11/93	16			
6/15/93	13			
7/13/93	14			
8/10/93	15			
9/14/93	7			
10/12/93	5.9			
11/16/93	137			
12/14/93	75			

**TMDLs for Turbidity and TSS for Selected Subsegments in the Lake Pontchartrain Basin, LA**

Collection Date	Result (NTU)	MDL (NTU)	Analytical Fraction	Filtration Method
1/11/94	15			
2/8/94	40			
3/15/94	15			
4/12/94	19			
5/10/94	65			
6/14/94	15			
7/12/94	99			
8/9/94	8			
9/13/94	14			
10/11/94	14			
11/15/94	16			
12/13/94	20			
1/10/95	26			
2/14/95	29			
3/14/95	80			
4/4/95	26			
5/9/95	90			
6/13/95	16			
7/11/95	25.1			
8/15/95	14			
9/12/95	10			
10/10/95	10			
11/13/95	20			
12/11/95	24			
1/9/96	18			
2/12/96	18			
3/11/96	22			
4/9/96	16			
5/13/96	9.2			
6/10/96	13			
7/8/96	9			
8/12/96	17			
9/9/96	7			
10/14/96	6.2			
11/18/96	6			
12/9/96	5.6			
1/6/97	9.9			
2/17/97	40			
3/10/97	18			
4/14/97	18			
5/12/97	12			
6/9/97	100			
7/15/97	45			
8/11/97	36			
9/8/97	8.9			



**TMDLs for Turbidity and TSS for Selected Subsegments in the Lake Pontchartrain Basin, LA**

Collection Date	Result (NTU)	MDL (NTU)	Analytical Fraction	Filtration Method
10/13/97	5.7			
11/17/97	6.5			
12/8/97	13			
1/12/98	105			
2/9/98	11			
3/9/98	100			
4/13/98	6.4			
5/11/98	9.9			
1/9/01	7.9			
2/13/01	39			
3/13/01	210			
4/9/01	9.6			
5/8/01	12			
6/12/01	132			
7/18/01	20			
8/14/01	140			
9/10/01	52			
10/9/01	6.3			
11/6/01	5.7			
12/3/01	7.7			
1/22/07	163		C	Unfiltered
2/12/07	10.4		C	Unfiltered
3/12/07	5.3		C	Unfiltered
4/2/07	8.1		C	Unfiltered
4/23/07	7.1		C	Unfiltered
5/14/07	10.1		C	Unfiltered
6/4/07	4.7		C	Unfiltered
6/25/07	509		C	Unfiltered
7/16/07	79.7		C	Unfiltered
8/6/07	12.4		C	Unfiltered
8/27/07	11.8		C	Unfiltered
9/24/07	8.3		C	Unfiltered
10/5/10	6.41		C	

**Table B-4. TSS observations for LDEQ station 119 in subsegment 040301.**

Collection Date	Result	MDL	Units	Analytical Fraction	Filtration Method
1/1/68	246		ppm		
2/1/68	6		ppm		
4/1/68	4		ppm		
5/1/68	42		ppm		
6/1/68	34		ppm		
7/1/68	16		ppm		
8/1/68	26		ppm		
9/1/68	24		ppm		
10/1/68	6		ppm		
11/1/68	20		ppm		
12/1/68	26		ppm		
1/1/69	42		ppm		
2/1/69	14		ppm		
3/1/69	98		ppm		
4/1/69	14		ppm		
6/1/69	44		ppm		
7/1/69	10		ppm		
8/1/69	28		ppm		
9/1/69	18		ppm		
10/1/69	8		ppm		
1/1/70	4		ppm		
2/1/70	16		ppm		
3/1/70	4		ppm		
5/1/70	12		ppm		
6/1/70	16		ppm		
7/1/70	18		ppm		
8/1/70	10		ppm		
9/1/70	28		ppm		
10/1/70	16		ppm		
11/1/70	12		ppm		
12/1/70	4		ppm		
1/1/71	23		ppm		
2/1/71	42		ppm		
3/1/71	50		ppm		
4/1/71	20		ppm		
5/1/71	20		ppm		
6/1/71	34		ppm		
7/1/71	16		ppm		
8/1/71	50		ppm		
9/1/71	24		ppm		
10/1/71	38		ppm		
12/1/71	62		ppm		
1/1/72	22		ppm		
2/1/72	16		ppm		

**TMDLs for Turbidity and TSS for Selected Subsegments in the Lake Pontchartrain Basin, LA**

Collection Date	Result	MDL	Units	Analytical Fraction	Filtration Method
3/1/72	18		ppm		
4/1/72	34		ppm		
5/1/72	8		ppm		
6/1/72	34		ppm		
7/1/72	6		ppm		
8/1/72	4		ppm		
9/1/72	20		ppm		
10/1/72	28		ppm		
12/1/72	4		ppm		
1/1/73	8		ppm		
2/1/73	2		ppm		
3/1/73	2		ppm		
4/1/73	192		ppm		
5/1/73	24		ppm		
6/1/73	6		ppm		
7/1/73	2		ppm		
8/1/73	22		ppm		
9/1/73	34		ppm		
10/1/73	24		ppm		
11/1/73	6		ppm		
12/1/73	62		ppm		
1/2/74	96		ppm		
2/4/74	30		ppm		
3/4/74	20		ppm		
4/1/74	8		ppm		
5/1/74	4		ppm		
7/1/74	10		ppm		
7/30/74	4		ppm		
9/3/74	22		ppm		
11/4/74	72		ppm		
12/2/74	40		ppm		
12/31/74	96		ppm		
2/3/75	42		ppm		
3/3/75	2		ppm		
3/31/75	16		ppm		
4/30/75	32		ppm		
6/2/75	10		ppm		
6/30/75	62		ppm		
8/1/75	30		ppm		
9/1/75	18		ppm		
10/1/75	16		ppm		
11/5/75	2		ppm		
12/2/75	4		ppm		
3/8/76	30		ppm		
4/5/76	28		ppm		
6/1/76	20		ppm		

**TMDLs for Turbidity and TSS for Selected Subsegments in the Lake Pontchartrain Basin, LA**

Collection Date	Result	MDL	Units	Analytical Fraction	Filtration Method
7/14/76	44		ppm		
8/5/76	58		ppm		
9/3/76	14		ppm		
10/7/76	12		ppm		
11/9/76	18		ppm		
12/14/76	36		ppm		
1/3/77	15		ppm		
2/10/77	40		ppm		
3/30/77	42		ppm		
5/4/77	30		ppm		
5/31/77	4		ppm		
10/10/77	114		ppm		
1/4/78	24		ppm		
5/8/78	164		ppm		
6/12/78	20		ppm		
8/14/78	2		ppm		
9/11/78	2		ppm		
10/9/78	26		ppm		
9/15/80	38		ppm		
10/13/80	8		ppm		
12/8/80	20		ppm		
1/12/81	14		ppm		
2/9/81	34		ppm		
3/9/81	34		ppm		
4/13/81	20		ppm		
5/11/81	14		ppm		
6/8/81	32		ppm		
7/13/81	16		ppm		
8/10/81	16		ppm		
9/14/81	14		ppm		
10/12/81	14		ppm		
12/14/81	56		ppm		
1/11/82	42		ppm		
2/8/82	34		ppm		
3/8/82	49		ppm		
4/13/82	14		ppm		
5/11/82	26		ppm		
6/15/82	4		ppm		
7/13/82	26		ppm		
8/10/82	25		ppm		
9/13/82	10		ppm		
10/11/82	6		ppm		
11/15/82	2		ppm		
12/14/82	92		ppm		
1/11/83	56		ppm		
2/7/83	208		ppm		

**TMDLs for Turbidity and TSS for Selected Subsegments in the Lake Pontchartrain Basin, LA**

Collection Date	Result	MDL	Units	Analytical Fraction	Filtration Method
3/14/83	12		ppm		
4/12/83	74		ppm		
6/13/83	9		ppm		
7/11/83	15		ppm		
8/8/83	62		ppm		
9/12/83	14		ppm		
10/10/83	5		ppm		
11/14/83	4		ppm		
12/12/83	320		ppm		
1/9/84	12		ppm		
2/13/84	390		ppm		
3/14/84	220		ppm		
4/9/84	52		ppm		
5/14/84	5		ppm		
7/9/84	9		ppm		
9/10/84	10		ppm		
10/9/84	11		ppm		
11/13/84	14		ppm		
12/10/84	28		ppm		
1/14/85	12		ppm		
2/11/85	206		ppm		
3/11/85	16		ppm		
4/8/85	8		ppm		
5/13/85	11		ppm		
6/10/85	19		ppm		
7/8/85	19		ppm		
8/12/85	6		ppm		
9/9/85	44		ppm		
10/14/85	14		ppm		
11/18/85	102		ppm		
12/9/85	4		ppm		
1/13/86	12		ppm		
2/18/86	26		ppm		
3/18/86	28		ppm		
4/15/86	36		ppm		
5/13/86	24		ppm		
6/10/86	26		ppm		
7/15/86	6		ppm		
8/12/86	6		ppm		
9/9/86	12		ppm		
10/14/86	46		ppm		
11/17/86	4		ppm		
12/8/86	6		ppm		
1/12/87	8		ppm		
2/16/87	408		ppm		
3/9/87	170		ppm		

**TMDLs for Turbidity and TSS for Selected Subsegments in the Lake Pontchartrain Basin, LA**

Collection Date	Result	MDL	Units	Analytical Fraction	Filtration Method
4/13/87	14		ppm		
5/11/87	14		ppm		
6/8/87	14		ppm		
7/13/87	16		ppm		
8/10/87	44		ppm		
9/14/87	16		ppm		
10/12/87	7		ppm		
11/16/87	8		ppm		
12/14/87	11		ppm		
1/11/88	3		ppm		
2/8/88	60		ppm		
3/14/88	54		ppm		
4/11/88	30		ppm		
5/9/88	11		ppm		
6/13/88	10		ppm		
7/11/88	34		ppm		
9/12/88	64		ppm		
10/10/88	20		ppm		
11/14/88	352		ppm		
12/12/88	120		ppm		
1/9/89	2		ppm		
2/13/89	16		ppm		
3/14/89	28		ppm		
4/10/89	31		ppm		
5/8/89	39		ppm		
6/13/89	52		ppm		
7/11/89	132		ppm		
8/14/89	13		ppm		
9/12/89	82		ppm		
10/10/89	8		ppm		
11/13/89	16		ppm		
1/8/90	276		ppm		
2/12/90	140		ppm		
3/12/90	16		ppm		
4/9/90	13		ppm		
5/14/90	27		ppm		
6/11/90	8		ppm		
7/9/90	3		ppm		
8/13/90	13		ppm		
9/10/90	19		ppm		
10/15/90	13		ppm		
11/13/90	8		ppm		
12/10/90	17		ppm		
1/15/91	50		ppm		
2/4/91	70		ppm		
2/5/91	50		ppm		

**TMDLs for Turbidity and TSS for Selected Subsegments in the Lake Pontchartrain Basin, LA**

Collection Date	Result	MDL	Units	Analytical Fraction	Filtration Method
3/12/91	22		ppm		
4/16/91	202		ppm		
5/14/91	66		ppm		
6/11/91	10		ppm		
7/16/91	4		ppm		
8/13/91	29		ppm		
9/10/91	50		ppm		
10/15/91	8		ppm		
11/19/91	9		ppm		
12/10/91	11		ppm		
1/6/92	8		ppm		
2/11/92	32		ppm		
3/10/92	78		ppm		
4/7/92	31		ppm		
5/12/92	20		ppm		
6/16/92	27		ppm		
7/14/92	42		ppm		
8/11/92	8		ppm		
9/15/92	15		ppm		
10/13/92	3		ppm		
11/17/92	12		ppm		
12/15/92	12		ppm		
1/12/93	184		ppm		
2/9/93	10		ppm		
3/9/93	16		ppm		
4/13/93	23		ppm		
5/11/93	15		ppm		
6/15/93	8		ppm		
7/13/93	17		ppm		
8/10/93	8		ppm		
9/14/93	9		ppm		
10/12/93	4		ppm		
11/16/93	212		ppm		
12/14/93	96		ppm		
1/11/94	4		ppm		
2/8/94	45		ppm		
3/15/94	18		ppm		
4/12/94	26		ppm		
5/10/94	128		ppm		
6/14/94	15		ppm		
7/12/94	172		ppm		
8/9/94	6.5		ppm		
9/13/94	10		ppm		
10/11/94	14		ppm		
11/15/94	11		ppm		
12/13/94	16		ppm		

**TMDLs for Turbidity and TSS for Selected Subsegments in the Lake Pontchartrain Basin, LA**

Collection Date	Result	MDL	Units	Analytical Fraction	Filtration Method
1/10/95	21		ppm		
2/14/95	13		ppm		
3/14/95	184		ppm		
4/4/95	11		ppm		
5/9/95	164		ppm		
6/13/95	12		ppm		
7/11/95	16		ppm		
8/15/95	26		ppm		
9/12/95	12		ppm		
10/10/95	14		ppm		
11/13/95	23		ppm		
12/11/95	26		ppm		
1/9/96	14		ppm		
2/12/96	11		ppm		
3/11/96	20		ppm		
4/9/96	17		ppm		
5/13/96	13		ppm		
6/10/96	18		ppm		
7/8/96	59		ppm		
8/12/96	24		ppm		
9/9/96	9		ppm		
10/14/96	7.5		ppm		
11/18/96	9.5		ppm		
12/9/96	5.5		ppm		
1/6/97	11.5		ppm		
2/17/97	56		ppm		
3/10/97	10		ppm		
4/14/97	18		ppm		
5/12/97	7		ppm		
6/9/97	138		ppm		
7/15/97	26		ppm		
8/11/97	34		ppm		
9/8/97	8		ppm		
10/13/97	5.5		ppm		
11/17/97	4		ppm		
12/8/97	6		ppm		
1/12/98	128		ppm		
2/9/98	7		ppm		
3/9/98	116		ppm		
4/13/98	4.5		ppm		
5/11/98	6.4		ppm		
1/9/01	5		ppm		
2/13/01	30		ppm		
3/13/01	436		ppm		
4/9/01	15.3		ppm		
5/8/01	16		ppm		



**TMDLs for Turbidity and TSS for Selected Subsegments in the Lake Pontchartrain Basin, LA**

Collection Date	Result	MDL	Units	Analytical Fraction	Filtration Method
6/12/01	332		ppm		
7/18/01	22		ppm		
8/14/01	328		ppm		
9/10/01	83		ppm		
10/9/01	11		ppm		
11/6/01	7		ppm		
12/3/01	5.3		ppm		
1/22/07	296		mg/L	C	Unfiltered
2/12/07	15		mg/L	C	Unfiltered
3/12/07	5.5		mg/L	C	Unfiltered
4/2/07	14.5		mg/L	C	Unfiltered
4/23/07	9		mg/L	C	Unfiltered
5/14/07	10		mg/L	C	Unfiltered
6/4/07	4		mg/L	C	Unfiltered
6/25/07	6		mg/L	C	Unfiltered
7/16/07	137		mg/L	C	Unfiltered
8/6/07	14		mg/L	C	Unfiltered
8/27/07	20		mg/L	C	Unfiltered
9/24/07	6.5		mg/L	C	Unfiltered
10/5/10	4		mg/L	C	

**Table B-5. Turbidity observations for LDEQ station 1102 in subsegment 040401.**

Collection Date	Result (NTU)	MDL (NTU)	Analytical Fraction	Filtration Method
1/16/01	10			
2/20/01	23			
3/20/01	27			
4/16/01	11			
5/15/01	9			
6/19/01	14			
7/24/01	16			
8/21/01	17			
9/18/01	15			
10/16/01	50			
11/13/01	5.4			
12/11/01	7.7			
1/10/06	15	1		Unfiltered
2/7/06	50	1		Unfiltered
3/7/06	26	1		Unfiltered
3/21/06	21	1		Unfiltered
4/4/06	17	1		Unfiltered
4/18/06	9.6	1		Unfiltered
5/2/06	40	1		Unfiltered
6/13/06	4.1	1		Unfiltered
7/31/06	13	1		Unfiltered
9/6/06	9.8	1	C	Unfiltered

**TMDLs for Turbidity and TSS for Selected Subsegments in the Lake Pontchartrain Basin, LA**

Collection Date	Result (NTU)	MDL (NTU)	Analytical Fraction	Filtration Method
11/16/06	30.5	1	C	Unfiltered
12/19/06	7.7	1	C	Unfiltered
1/13/10	12.7		C	Unfiltered
2/2/10	33.7		C	Unfiltered
3/3/10	50		C	Unfiltered
4/20/10	17.4		C	Unfiltered
5/13/10	11		C	Unfiltered
6/8/10	14.7		C	Unfiltered
7/20/10	7.71		C	Unfiltered
8/16/10	9.41		C	Unfiltered
9/14/10	5.68		C	Unfiltered
10/19/10	4.53		C	Unfiltered
11/22/10	6.77		C	Unfiltered

**Table B-6. TSS observations for LDEQ station 1102 in subsegment 040401.**

Collection Date	Result	MDL	Units	Analytical Fraction	Filtration Method
1/16/01	7.3		ppm		
2/20/01	11.3		ppm		
3/20/01	24		ppm		
4/16/01	5		ppm		
5/15/01	11.2		ppm		
6/19/01	22		ppm		
7/24/01	11.5		ppm		
8/21/01	9.5		ppm		
9/18/01	4		ppm		
10/16/01	44		ppm		
11/13/01	6		ppm		
12/11/01	6.5		ppm		
2/7/06	26	4	ppm		Unfiltered
4/4/06	13.3	4	ppm		Unfiltered
3/7/06	16	4	ppm		Unfiltered
1/10/06	18	4	ppm		Unfiltered
4/18/06	10.7	4	ppm		Unfiltered
5/2/06	40.7	4	ppm		Unfiltered
7/31/06	5	4	ppm		Unfiltered
6/13/06	6.5	4	ppm		Unfiltered
2/2/10	15		mg/L	C	Unfiltered
9/6/06	10.5	4	mg/l	C	Unfiltered
11/16/06	45	4	mg/L	C	Unfiltered
12/19/06	5.5	4	mg/L	C	Unfiltered
1/13/10	11		mg/L	C	Unfiltered
3/21/06	27.3	4	ppm		Unfiltered
5/13/10	10		mg/L	C	Unfiltered
7/20/10	12		mg/L	C	Unfiltered

**TMDLs for Turbidity and TSS for Selected Subsegments in the Lake Pontchartrain Basin, LA**

Collection Date	Result	MDL	Units	Analytical Fraction	Filtration Method
4/20/10	12		mg/L	C	Unfiltered
3/3/10	67		mg/L	C	Unfiltered
6/8/10	12		mg/L	C	Unfiltered
9/14/10	9		mg/L	C	Unfiltered
8/16/10	4		mg/L	C	Unfiltered
10/19/10	15		mg/L	C	Unfiltered
11/22/10	NONDETECT			C	Unfiltered

**Table B-7. Turbidity observations for LDEQ station 302 in subsegment 040903.**

Collection Date	Result (NTU)	MDL (NTU)	Analytical Fraction	Filtration Method
1/15/91	18			
3/12/91	23			
5/14/91	20			
7/16/91	11			
9/10/91	18			
11/19/91	11			
1/7/92	17			
3/10/92	21			
5/12/92	25			
7/14/92	25			
9/15/92	10			
11/17/92	22			
1/12/93	22			
3/9/93	54			
5/11/93	33			
7/13/93	14			
9/14/93	20			
11/15/93	32			
1/10/94	90			
3/14/94	50			
5/10/94	37			
7/12/94	15			
9/13/94	15			
11/15/94	12			
1/10/95	26			
3/14/95	24			
7/11/95	6.7			
9/12/95	4.5			
11/14/95	8			
1/8/96	15			
3/11/96	25			
5/14/96	3.5			
7/8/96	3.6			
9/10/96	4.9			

**TMDLs for Turbidity and TSS for Selected Subsegments in the Lake Pontchartrain Basin, LA**

Collection Date	Result (NTU)	MDL (NTU)	Analytical Fraction	Filtration Method
11/18/96	2.6			
1/7/97	15			
3/11/97	27			
5/13/97	10			
7/15/97	45			
9/9/97	5			
11/17/97	50			
1/13/98	31			
3/9/98	23			
5/11/98	17			
1/16/01	15			
2/13/01	18			
3/20/01	21			
4/17/01	12			
5/15/01	15			
6/12/01	5.7			
7/17/01	5.9			
8/14/01	80			
9/11/01	15			
10/9/01	4.2			
11/6/01	3.4			
12/11/01	2.9			
1/30/07	32		C	Unfiltered
2/27/07	17.6		C	Unfiltered
3/20/07	44.7		C	Unfiltered
4/10/07	7.3		C	Unfiltered
5/1/07	9.7		C	Unfiltered
5/22/07	30.6		C	Unfiltered
6/12/07	29.7		C	Unfiltered
7/10/07	25.8		C	Unfiltered
7/31/07	6.7		C	Unfiltered
8/21/07	3.1		C	Unfiltered
9/19/07	1.6		C	Unfiltered
10/10/07	3.9		C	Unfiltered
10/12/10	8.92		C	

**Table B-8. TSS observations for LDEQ station 302 in subsegment 040903.**

Collection Date	Result	MDL	Units	Analytical Fraction	Filtration Method
1/15/91	22		ppm		
3/12/91	19		ppm		
5/14/91	20		ppm		
7/16/91	12		ppm		
9/10/91	24		ppm		
11/19/91	24		ppm		
1/7/92	18		ppm		
3/10/92	28		ppm		
5/12/92	26		ppm		
7/14/92	22		ppm		
9/15/92	17		ppm		
11/17/92	20		ppm		
1/12/93	12		ppm		
3/9/93	25		ppm		
5/11/93	30		ppm		
7/13/93	30		ppm		
9/14/93	37		ppm		
11/15/93	17		ppm		
1/10/94	236		ppm		
3/14/94	30		ppm		
5/10/94	45		ppm		
7/12/94	19		ppm		
9/13/94	8		ppm		
11/15/94	15		ppm		
1/10/95	10		ppm		
3/14/95	18		ppm		
7/11/95	29		ppm		
9/12/95	15		ppm		
11/14/95	9		ppm		
1/8/96	6		ppm		
3/11/96	6107		ppm		
5/14/96	6		ppm		
7/8/96	1		ppm		
9/10/96	30		ppm		
11/18/96	11.3		ppm		
1/7/97	18.7		ppm		
3/11/97	18		ppm		
5/13/97	10		ppm		
7/15/97	138		ppm		
9/9/97	12		ppm		
11/17/97	14		ppm		
1/13/98	16		ppm		
3/9/98	4		ppm		
5/11/98	27		ppm		

**TMDLs for Turbidity and TSS for Selected Subsegments in the Lake Pontchartrain Basin, LA**

Collection Date	Result	MDL	Units	Analytical Fraction	Filtration Method
1/16/01	9.5		ppm		
2/13/01	28		ppm		
3/20/01	7.4		ppm		
4/17/01	15.4		ppm		
5/15/01	58		ppm		
6/12/01	5		ppm		
7/17/01	7		ppm		
8/14/01	456		ppm		
9/11/01	29		ppm		
10/9/01	6.5		ppm		
11/6/01	6.5		ppm		
12/11/01	4		ppm		
1/30/07	27		mg/L	C	Unfiltered
2/27/07	19		mg/L	C	Unfiltered
3/20/07	42.5		mg/L	C	Unfiltered
4/10/07	13		mg/L	C	Unfiltered
5/1/07	12		mg/L	C	Unfiltered
5/22/07	42.5		mg/L	C	Unfiltered
6/12/07	7		mg/L	C	Unfiltered
7/10/07	5		mg/L	C	Unfiltered
7/31/07	6		mg/L	C	Unfiltered
8/21/07	13		mg/L	C	Unfiltered
9/19/07	5		mg/L	C	Unfiltered
10/10/07	5.5		mg/L	C	Unfiltered
10/12/10	21.5		mg/L	C	

# APPENDIX C:

## Turbidity and TSS Figures for the Lake Pontchartrain Basin

### FIGURES

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Figure C-2. Seasonal turbidity observations at Amite River at Grangeville, Louisiana (subsegment 030101, station 119).....	C-1
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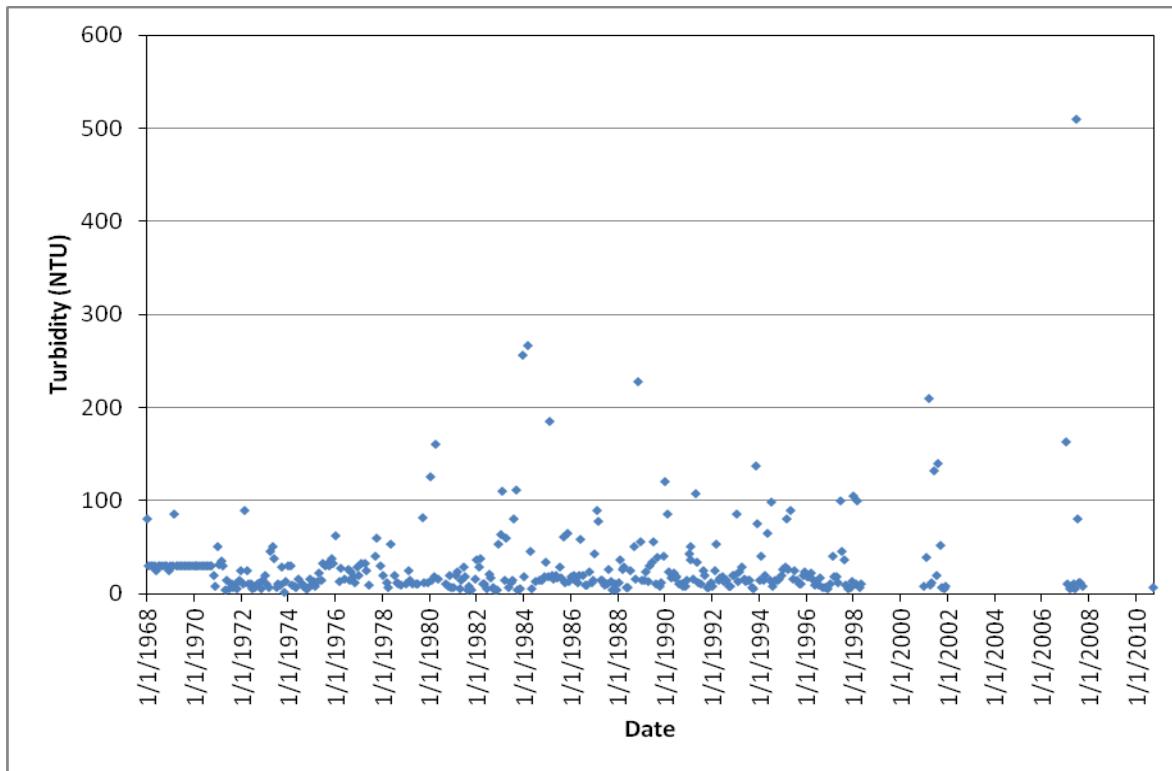


Figure C-1. Turbidity observations over time at Amite River at Grangeville, Louisiana (subsegment 030101, station 119).

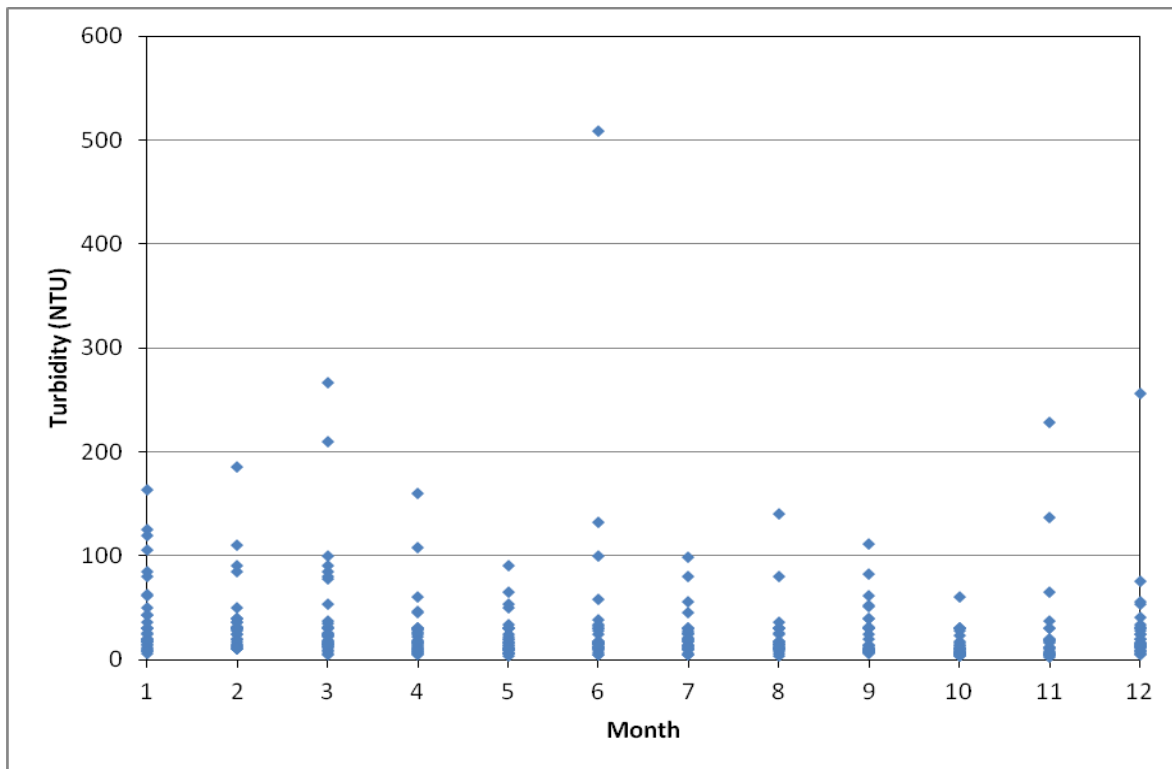


Figure C-2. Seasonal turbidity observations at Amite River at Grangeville, Louisiana (subsegment 030101, station 119).

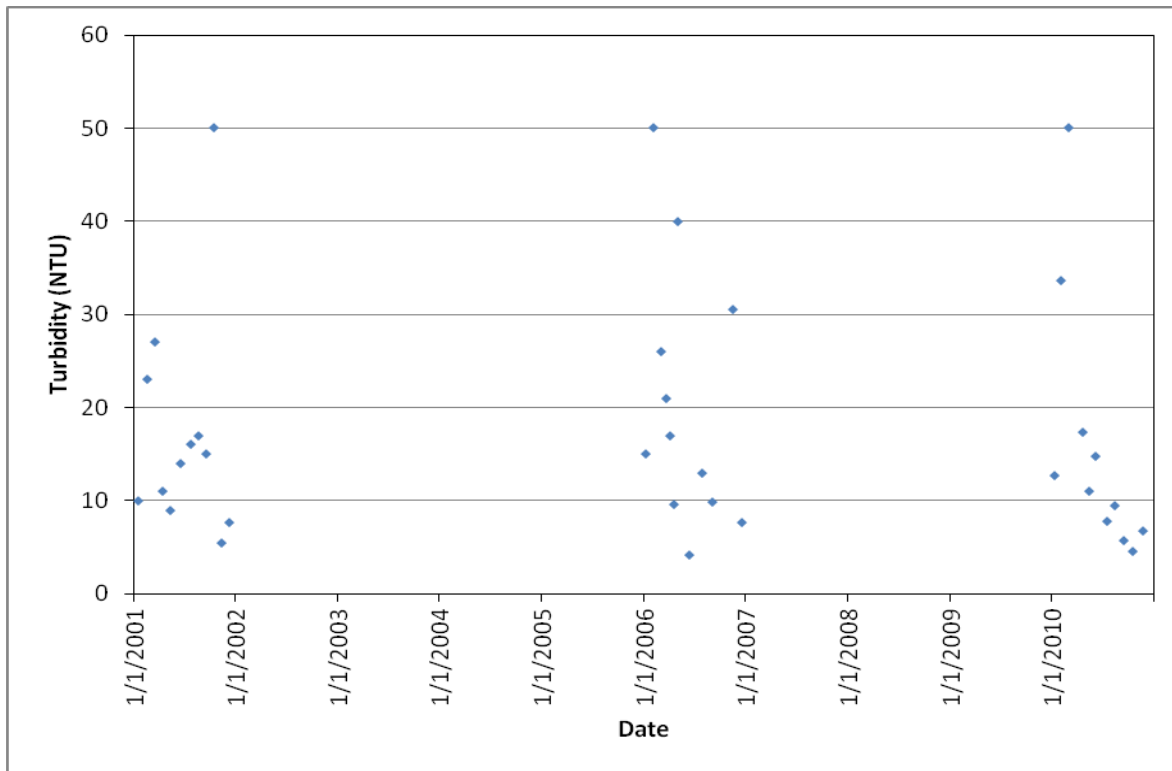


Figure C-3. Turbidity observations over time at Blind River near confluence with Lake Maurepas (subsegment 040401, station 1102).

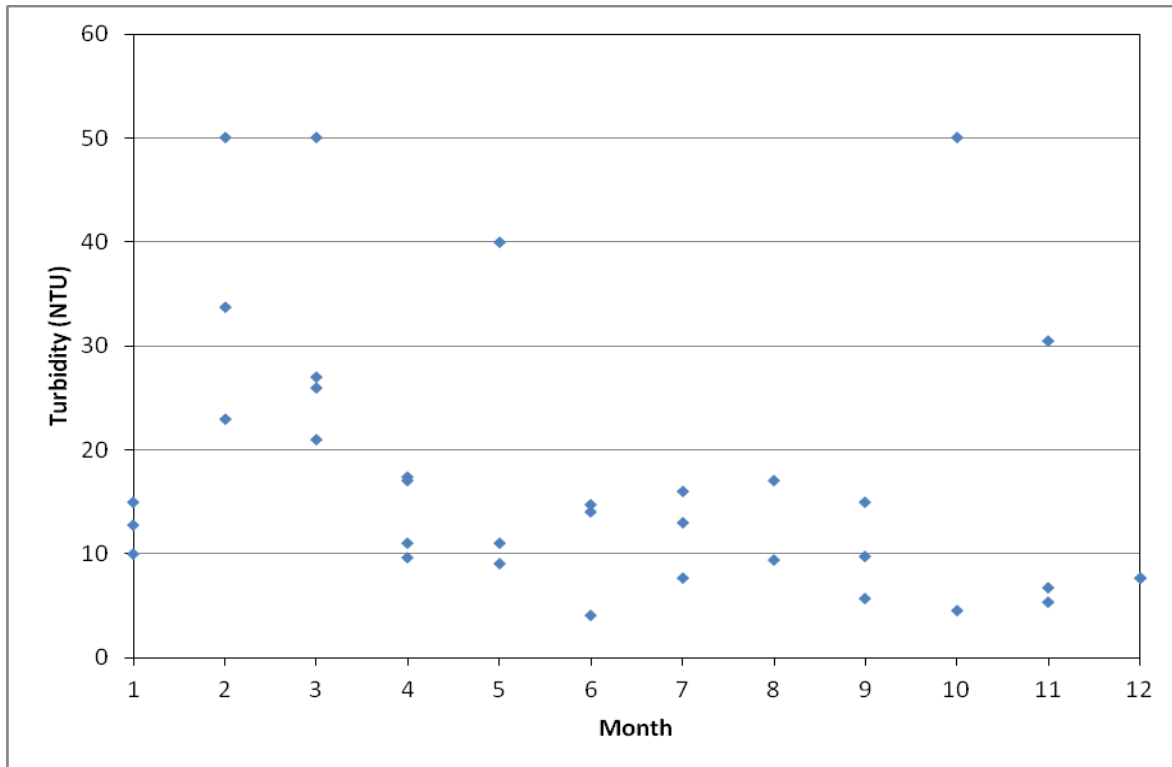


Figure C-4. Seasonal turbidity observations at Blind River near confluence with Lake Maurepas (subsegment 040401, station 1102).

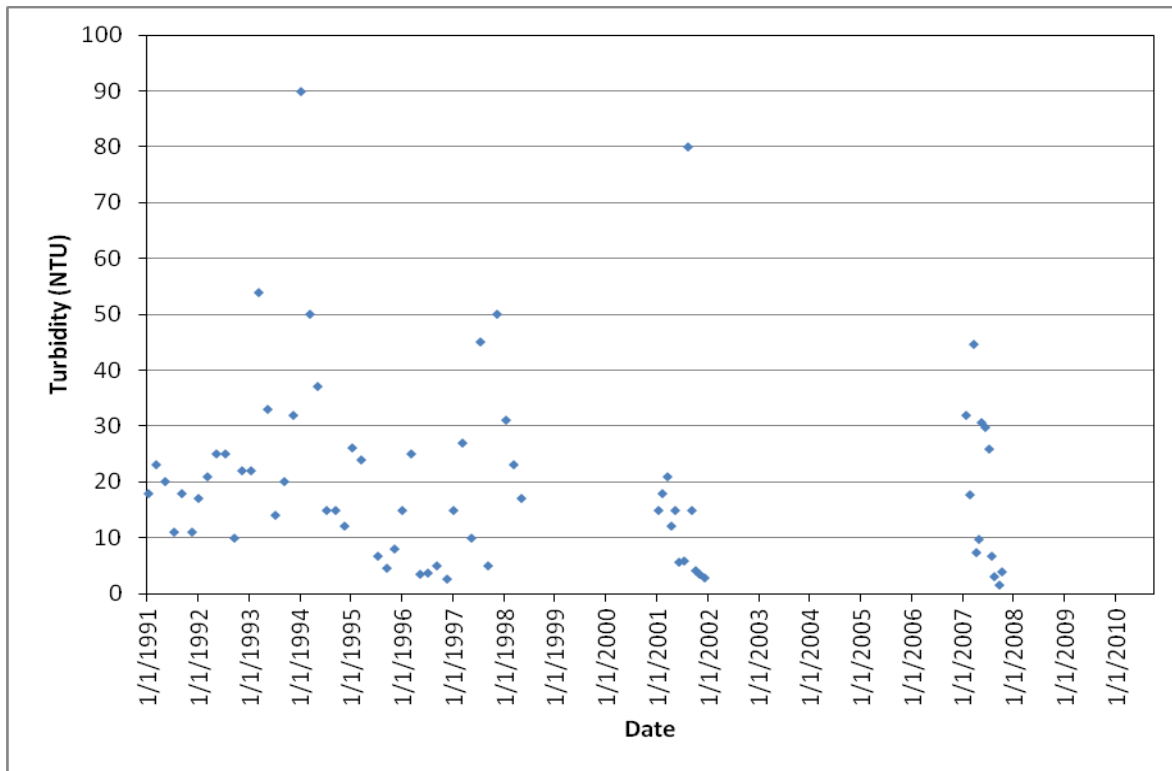


Figure C-5. Turbidity observations over time at Cane Bayou east of Mandeville, Louisiana (040903, station 302).

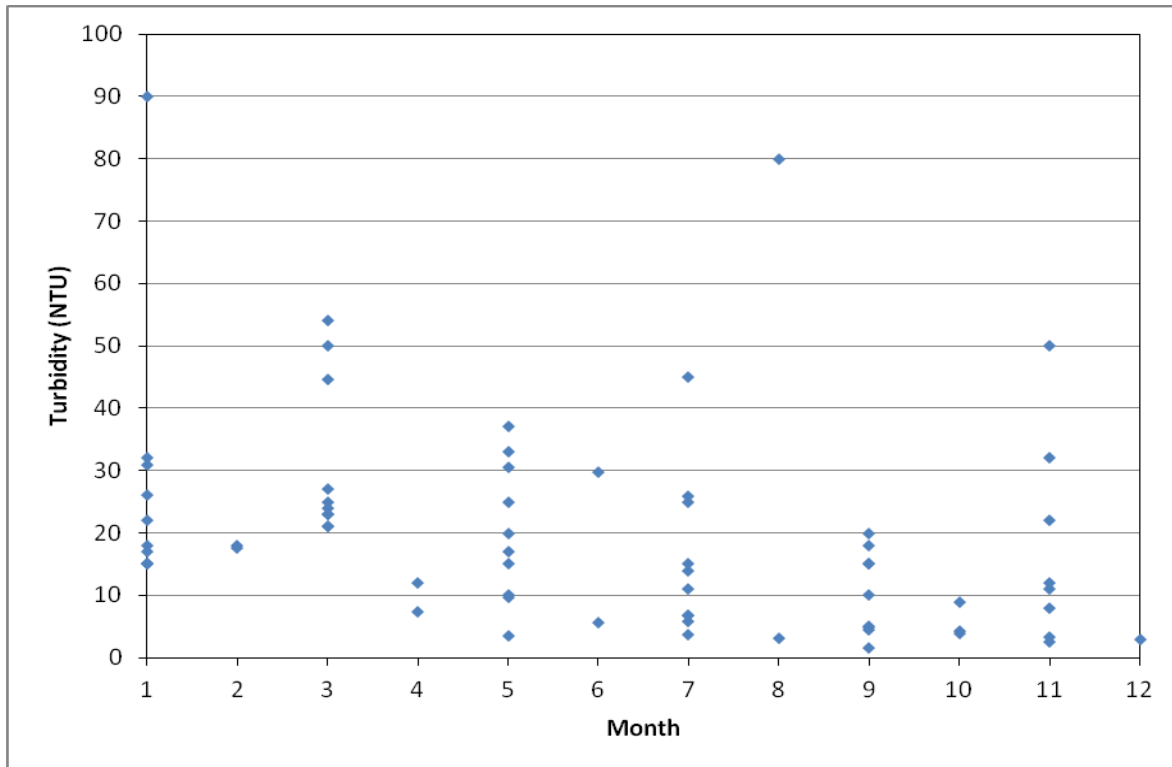


Figure C-6. Seasonal turbidity observations at Cane Bayou east of Mandeville, Louisiana (040903, station 302).

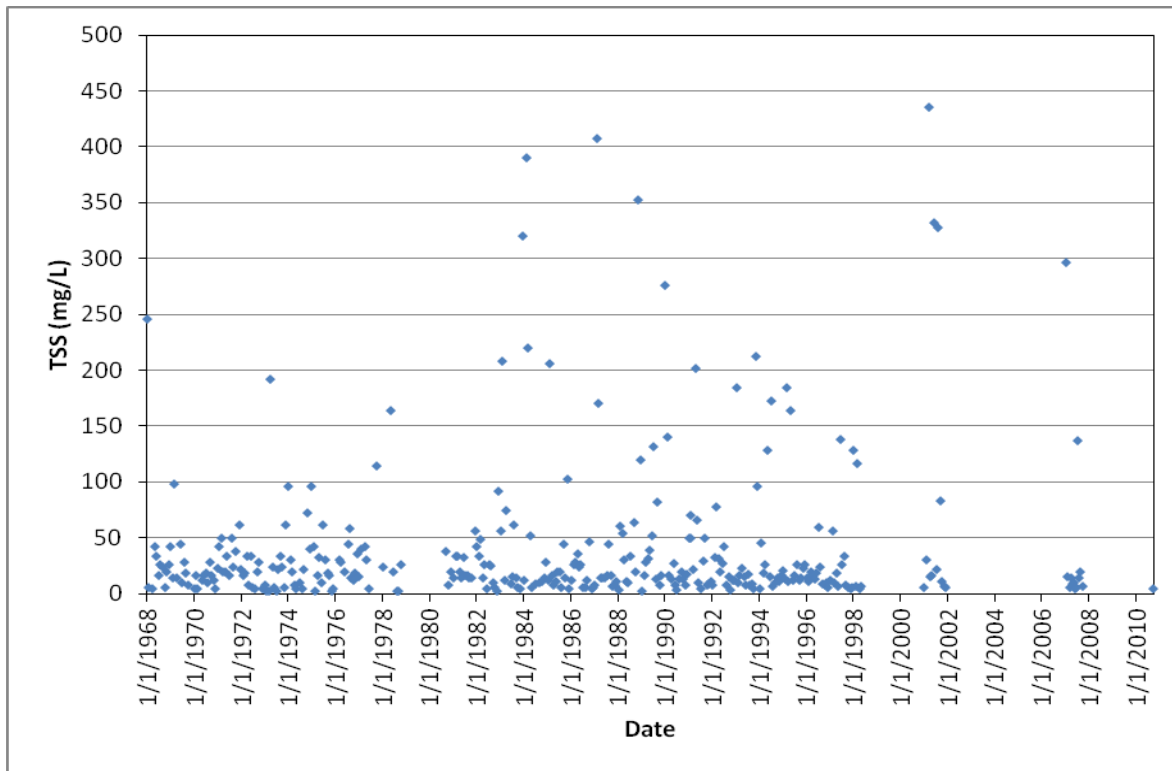


Figure C-7. TSS observations over time at Amite River at Grangeville, Louisiana (subsegment 040301, station 119).

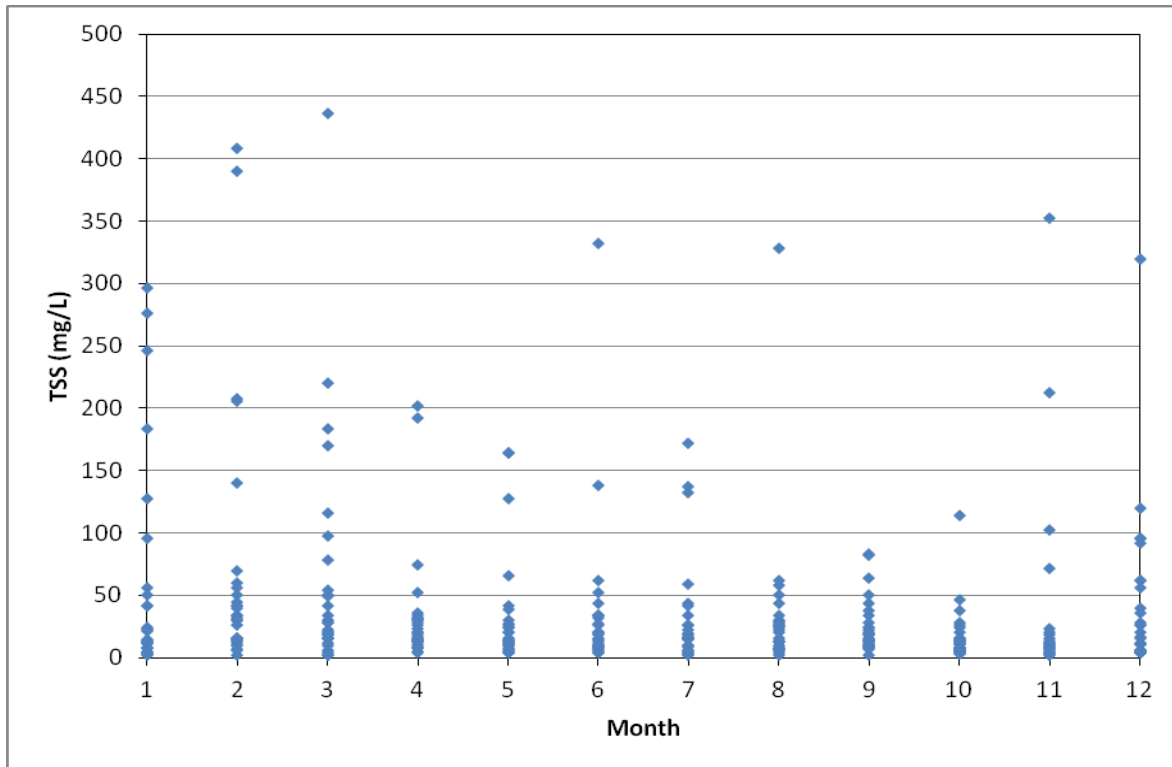


Figure C-8. Seasonal TSS observations at at Amite River at Grangeville, Louisiana (subsegment 040301, station 119).

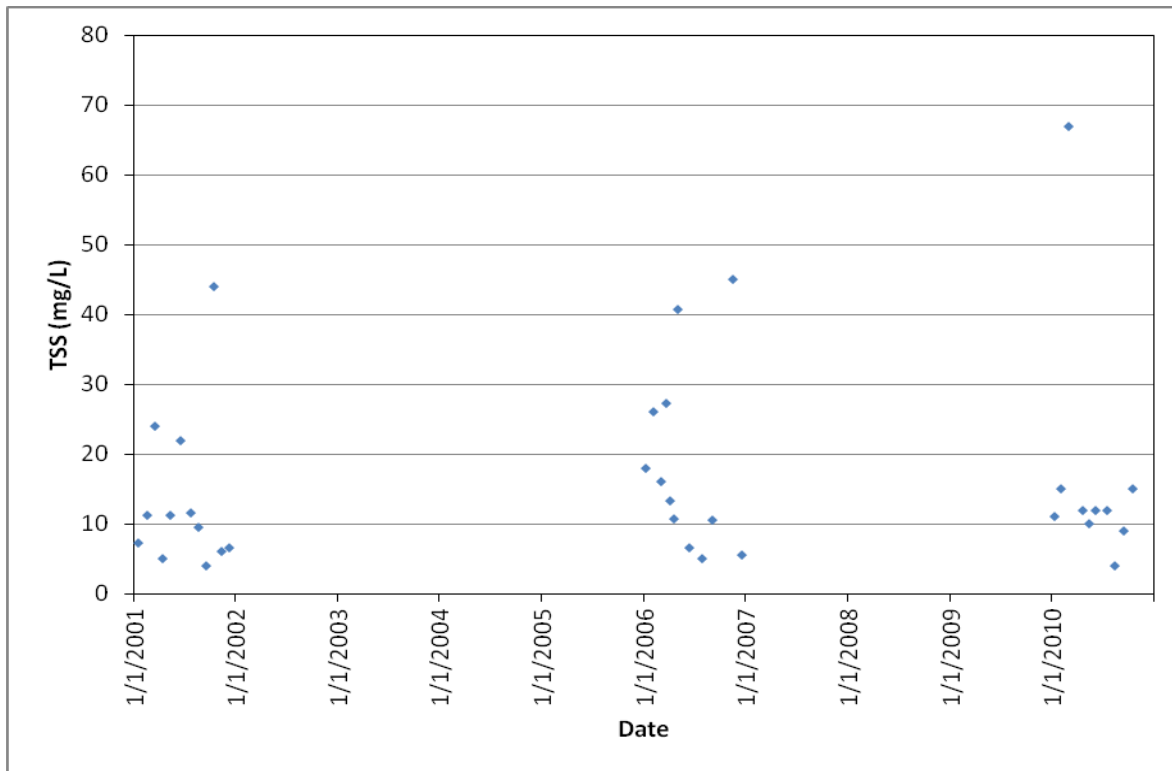


Figure C-9. TSS observations over time at Blind River near confluence with Lake Maurepas (subsegment 040401, station 1102).

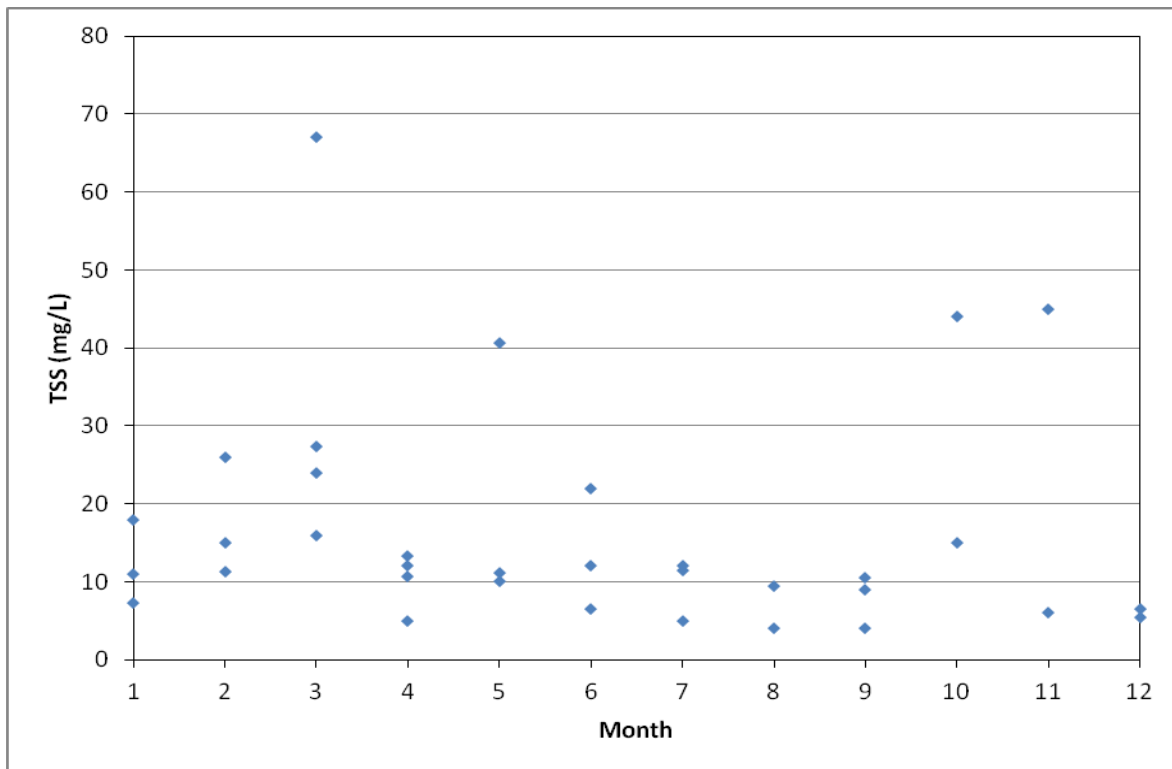


Figure C-10. Seasonal TSS observations at Blind River near confluence with Lake Maurepas (subsegment 040401, station 1102).

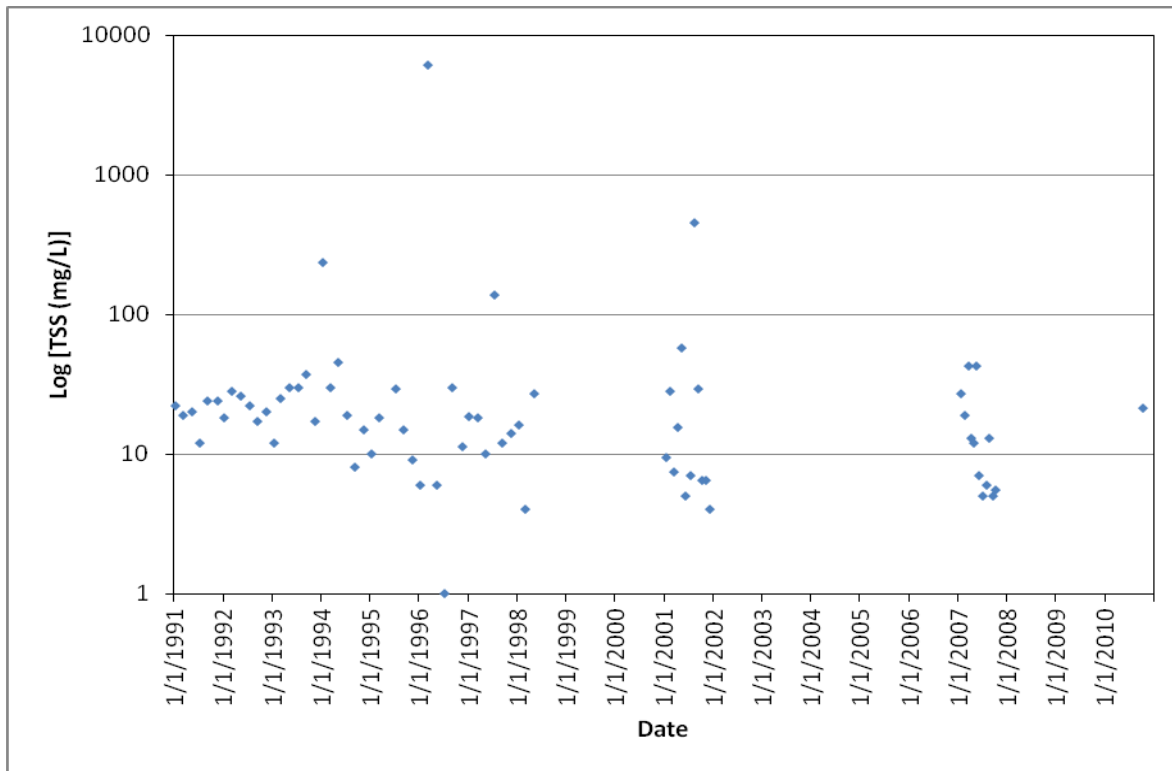


Figure C-11. TSS observations over time at Cane Bayou east of Mandeville, Louisiana (subsegment 040903, station 302).

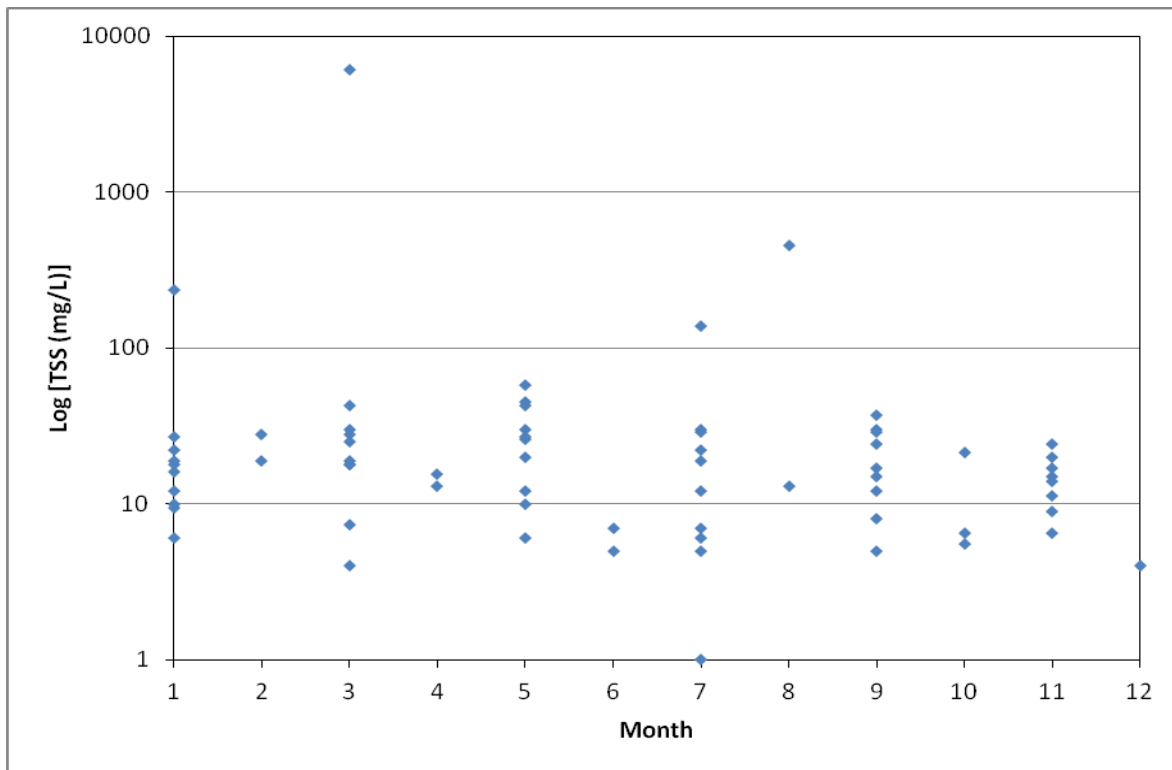


Figure C-12. Seasonal TSS observations at Cane Bayou east of Mandeville, Louisiana (subsegment 040903, station 302).

# **APPENDIX D:**

## **TSS TMDL Calculations for Selected Subsegments in the Lake Pontchartrain Basin**

Table D-1. TSS concentrations before and after reductions for subsegment 040301 station 119.....	D-1
Table D-2. TSS TMDL summary table for subsegment 040301 .....	D-1
Table D-3. TSS concentrations before and after reductions for subsegment 040401 station 1102.....	D-2
Table D-4. TSS TMDL summary table for subsegment 040401 .....	D-3
Table D-5. TSS concentrations before and after reductions for subsegment 040903 station 302.....	D-3
Table D-6. TSS TMDL summary table for subsegment 040903 .....	D-5





**Table D-1. TSS concentrations before and after reductions for subsegment 040301 station 119**

Date	TSS concentration before reduction (mg/L)	TSS concentration after reduction (mg/L)	TSS loading before reduction (lb/d)	TSS loading after reduction (lb/d)
1/1/1968	246	241.763	721,760.607	709,328.320
2/1/1968	6	5.897	17,603.917	17,300.691
4/1/1968	4	3.931	11,735.945	11,533.794
5/1/1968	42	41.277	123,227.421	121,104.835
6/1/1968	34	33.414	99,755.531	98,037.248
7/1/1968	16	15.724	46,943.779	46,135.175
9/1/1968	24	23.587	70,415.669	69,202.763
10/1/1968	6	5.897	17,603.917	17,300.691
11/1/1968	20	19.656	58,679.724	57,668.969
12/1/1968	26	25.552	76,283.641	74,969.660
1/1/1969	42	41.277	123,227.421	121,104.835
2/1/1969	14	13.759	41,075.807	40,368.278
Most of the cells in this spreadsheet have been hidden for brevity.				
2/12/07	15	14.742	44,009.793	43,251.727
4/2/07	15	14.250	42,542.800	41,810.003
5/14/07	10	9.828	29,339.862	28,834.485
6/25/07	6	5.897	17,603.917	17,300.691
3/12/07	6	5.405	16,136.924	15,858.967
6/4/07	4	3.931	11,735.945	11,533.794
9/24/07	7	6.388	19,070.910	18,742.415
8/6/07	14	13.759	41,075.807	40,368.278
8/27/07	20	19.656	58,679.724	57,668.969
4/23/07	9	8.845	26,405.876	25,951.036
10/5/10	4	3.931	11,735.945	11,533.794

**Table D-2. TSS TMDL summary table for subsegment 040301**

Average water budget (mm/day)	2.51	
Subsegment area (acres)	131,059	
Calculated flow (cfs)	544.0	
Turbidity criteria (NTU)	50.0	
TSS target (mg/L)	428.5	
TSS target as loading (lb/d)	1,257,183.750	
Wasteload allocation (lb/d)	14.2540	
Percent reduction	1.7	
Point source flow (MGD)	0.11	
	Before reduction	After reduction
Average concentration (mg/L)	40.0853	39.3948
Average loading (lb/d)	117,609.700	115,583.8794
TMDL (lb/d)	1,257,198.004	1,257,198.004

**Table D-3. TSS concentrations before and after reductions for subsegment 040401 station 1102**

Date	TSS concentration before reduction (mg/L)	TSS concentration after reduction (mg/L)	TSS loading before reduction (lb/d)	TSS loading after reduction (lb/d)
1/16/2001	7.3	5.7	2,773	2,149
2/20/2001	11.3	8.8	4,292	3,327
3/20/2001	24	18.6	9,117	7,066
4/16/2001	5	3.9	1,899	1,472
5/15/2001	11.2	8.7	4,254	3,298
6/19/2001	22	17.1	8,357	6,477
7/24/2001	11.5	8.9	4,368	3,386
8/21/2001	9.5	7.4	3,609	2,797
9/18/2001	4	3.1	1,519	1,178
10/16/2001	44	34.1	16,714	12,954
11/13/2001	6	4.7	2,279	1,767
12/11/2001	6.5	5.0	2,469	1,914
2/7/2006	26	20.2	9,876	7,655
4/4/2006	13.3	10.3	5,052	3,916
3/7/2006	16	12.4	6,078	4,711
1/10/2006	18	14.0	6,837	5,300
4/18/2006	10.7	8.3	4,065	3,150
5/2/2006	40.7	31.5	15,460	11,983
7/31/2006	5	3.9	1,899	1,472
6/13/2006	6.5	5.0	2,469	1,914
2/2/2010	15	11.6	5,698	4,416
9/6/2006	10.5	8.1	3,989	3,091
11/16/2006	45	34.9	17,094	13,249
12/19/2006	5.5	4.3	2,089	1,619
1/13/2010	11	8.5	4,178	3,239
3/21/2006	27.3	21.2	10,370	8,038
5/13/2010	10	7.8	3,799	2,944
7/20/2010	12	9.3	4,558	3,533
4/20/2010	12	9.3	4,558	3,533
3/3/2010	67	51.9	25,451	19,726
6/8/2010	12	9.3	4,558	3,533
9/14/2010	9	7.0	3,419	2,650
8/16/2010	4	3.1	1,519	1,178
10/19/2010	15	11.6	5,698	4,416

**Table D-4. TSS TMDL summary table for subsegment 040401**

Average water budget (mm/day)	2.48	
Subsegment area (acres)	17,152	
Calculated flow (cfs)	70.4	
Turbidity criteria (NTU)	25.0	
TSS target (mg/L)	51.9	
TSS target as loading (lb/d)	19,726.161	
Wasteload allocation (lb/d)	7,285.0588	
Percent reduction	22.5	
Point source flow (MGD)	6.38	
	Before reduction	After reduction
Average concentration (mg/L)	16.2882	12.6246
Average loading (lb/d)	6,187.259	4,795.5866
TMDL (lb/d)	27,011.219	27,011.219

**Table D-5. TSS concentrations before and after reductions for subsegment 040903 station 302**

Date	TSS concentration before reduction (mg/L)	TSS concentration after reduction (mg/L)	TSS loading before reduction (lb/d)	TSS loading after reduction (lb/d)
1/15/1991	22	3.1	2,411	343
3/12/1991	19	2.7	2,083	296
5/14/1991	20	2.8	2,192	312
7/16/1991	12	1.7	1,315	187
9/10/1991	24	3.4	2,631	374
11/19/1991	24	3.4	2,631	374
1/7/1992	18	2.6	1,973	280
3/10/1992	28	4.0	3,069	436
5/12/1992	26	3.7	2,850	405
7/14/1992	22	3.1	2,411	343
9/15/1992	17	2.4	1,863	265
11/17/1992	20	2.8	2,192	312
1/12/1993	12	1.7	1,315	187
3/9/1993	25	3.6	2,740	389
5/11/1993	30	4.3	3,288	467
7/13/1993	30	4.3	3,288	467
9/14/1993	37	5.3	4,055	576
11/15/1993	17	2.4	1,863	265
1/10/1994	236	33.5	25,867	3,677
3/14/1994	30	4.3	3,288	467
5/10/1994	45	6.4	4,932	701
7/12/1994	19	2.7	2,083	296
9/13/1994	8	1.1	877	125
11/15/1994	15	2.1	1,644	234
1/10/1995	10	1.4	1,096	156
3/14/1995	18	2.6	1,973	280
7/11/1995	29	4.1	3,179	452
9/12/1995	15	2.1	1,644	234
11/14/1995	9	1.3	986	140
1/8/1996	6	0.9	658	93
3/11/1996	6,107	868.1	669,361	95,145

**TMDLs for Turbidity and TSS for Selected Subsegments in the Lake Pontchartrain Basin, LA**

Date	TSS concentration before reduction (mg/L)	TSS concentration after reduction (mg/L)	TSS loading before reduction (lb/d)	TSS loading after reduction (lb/d)
7/8/1996	1	0.1	110	16
9/10/1996	30	4.3	3,288	467
11/18/1996	11.3	1.6	1,239	176
1/7/1997	18.7	2.7	2,050	291
3/11/1997	18	2.6	1,973	280
5/13/1997	10	1.4	1,096	156
7/15/1997	138	19.6	15,126	2,150
9/9/1997	12	1.7	1,315	187
11/17/1997	14	2.0	1,534	218
1/13/1998	16	2.3	1,754	249
3/9/1998	4	0.6	438	62
1/16/2001	9.5	1.4	1,041	148
2/13/2001	28	4.0	3,069	436
3/20/2001	7.4	1.1	811	115
4/17/2001	15.4	2.2	1,688	240
5/15/2001	58	8.2	6,357	904
6/12/2001	5	0.7	548	78
7/17/2001	7	1.0	767	109
8/14/2001	456	64.8	49,980	7,104
9/11/2001	29	4.1	3,179	452
10/9/2001	6.5	0.9	712	101
11/6/2001	6.5	0.9	712	101
12/11/2001	4	0.6	438	62
7/10/2007	5	0.7	548	78
5/11/1998	27	3.8	2,959	421
5/14/1996	6	0.9	658	93
1/30/2007	27	3.8	2,959	421
4/10/2007	13	1.8	1,425	203
5/1/2007	12	1.7	1,315	187
5/22/2007	42.5	6.0	4,658	662
3/20/2007	42.5	6.0	4,658	662
2/27/2007	19	2.7	2,083	296
7/31/2007	6	0.9	658	93
6/12/2007	7	1.0	767	109
8/21/2007	13	1.8	1,425	203
10/10/2007	5.5	0.8	603	86
9/19/2007	5	0.7	548	78
10/12/2010	21.5	3.1	2,357	335

**Table D-6. TSS TMDL summary table for subsegment 040903**

Average water budget (mm/day)	2.509	
Subsegment area (acres)	4,896	
Calculated flow (cfs)	20.3	
Turbidity criteria (NTU)	50.0	
TSS target (mg/L)	868.1	
TSS target as loading (lb/d)	95,145.308	
Wasteload allocation (lb/d)	38.3054	
Percent reduction	85.8	
Point source flow (MGD)	0.31	
	Before reduction	After reduction
Average concentration (mg/L)	117.4971	16.7014
Average loading (lb/d)	12,878.337	1,830.5704
TMDL (lb/d)	95,183.613	95,183.613