

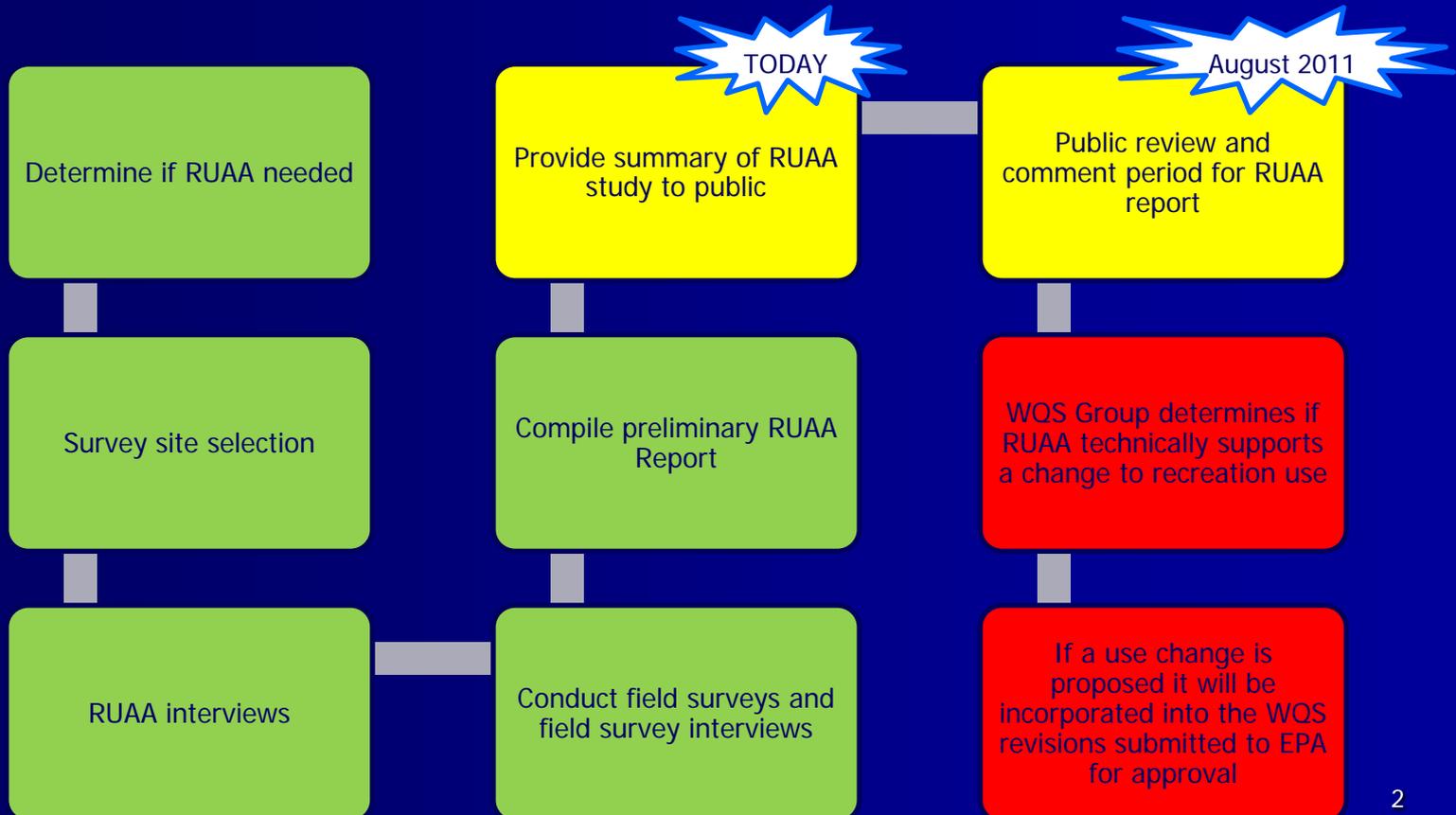
UAA Timelines and Current Water Quality of the Atascosa River

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Texas Commission for Environmental Quality
Water Quality Planning Division
Total Maximum Daily Load Program
August 2, 2011



Atascosa RUAA Process Milestones

- n The RUAA process includes numerous opportunity for public input



RUAA Report Review Timeline

- n TCEQ is currently holding a public review and comment period for the RUAA report, August 1 – 31, 2011.
 - Report available on the Web
www.tceq.texas.gov/waterquality/standards/ruaas/atascosa2107
 - Hard copies are available for public viewing
 - n Atascosa Library, County Courthouses, etc.
 - TCEQ would appreciate additional information about recreation activities that do, or do not occur in the water body.
 - Send comments to Joe Martin
Joe.Martin@tceq.texas.gov

RUAA Report Review Timeline

- n Upon completion of the public comment period, TCEQ will evaluate the RUAA report and all public comments.
- n A recommendation will be made to either maintain the existing contact recreation use or to revise the use.
 - If a use change is recommended it will be included in the next Standards Revision.

Questions?

- n Does anyone have any questions or comments regarding the Atascosa River RUAA?
- n Additional contact recreation use information should be submitted to:

Joe Martin, WQ Standards Group

E-mail: Joe.Martin@tceq.texas.gov

Mail: PO Box 13087 (MC 234)

Austin, TX 78711-3087

ALUAA Timeline

September 2011 – Completion of field work

February 2012 – Draft ALUAA Technical Support Document to TCEQ WQS Group

April 2012 – Finalize ALUAA Technical Support Document

May 2012 – TCEQ determines if ALUAA data technically supports a use and/or criteria change

June 2012 – If a change is recommended, it will be submitted to the Standards Workgroup as part of the 2013 WQS Review.

Questions?

- n Does anyone have any questions or comments regarding the Atascosa River Aquatic Life UAA?

Assessment of Texas Waters

- n The quality of surface waters in Texas are evaluated every two years in even-numbered years.
- n The Texas Integrated Report summarizes the historical data available for each assessment unit of the water body.

Assessment Units

- n Water quality results in the Integrated Report are reported at both the segment and sub-areas levels.
- n Each assessment sub-area is known as an assessment unit (AU) which is defined as the smallest geographic area of use support in the assessment.
- n TMDLs may be developed for impaired AUs.

2010 Texas Integrated Report - Texas 303(d) List (Category 5)

SegID: 2106 Nueces/Lower Frio River
 From a point 100 meters (110 yards) upstream of US 59 in Live Oak County to Choke Canyon Dam in Live Oak County

<u>Parameter(s)</u>	<u>Category</u>	<u>Year Segment First Listed</u>
total dissolved solids	5b	2006
2106_01	The Nueces river from the downstream end of segment to the confluence with the Frio River	
2106_02	The Frio River from the confluence with the Nueces River to Choke Canyon Dam	

SegID: 2107 Atascosa River
 From the confluence with the Frio River in Live Oak County to the confluence of the West Prong Atascosa River and the North Prong Atascosa River in Atascosa County

<u>Parameter(s)</u>	<u>Category</u>	<u>Year Segment First Listed</u>
bacteria	5b	1996
2107_01	From the downstream end of the segment at the confluence with the Frio River to the confluence with Borrego Creek	
2107_02	From the confluence with Borrego Creek to the confluence with Galvan Creek	

<u>Parameter(s)</u>	<u>Category</u>	<u>Year Segment First Listed</u>
depressed dissolved oxygen	5b	1996
2107_02	From the confluence with Borrego Creek to the confluence with Galvan Creek	

<u>Parameter(s)</u>	<u>Category</u>	<u>Year Segment First Listed</u>
impaired fish community	5b	2006
2107_02	From the confluence with Borrego Creek to the confluence with Galvan Creek	
2107_03	From the confluence with Galvan Creek to the confluence with Palo Alto Creek	

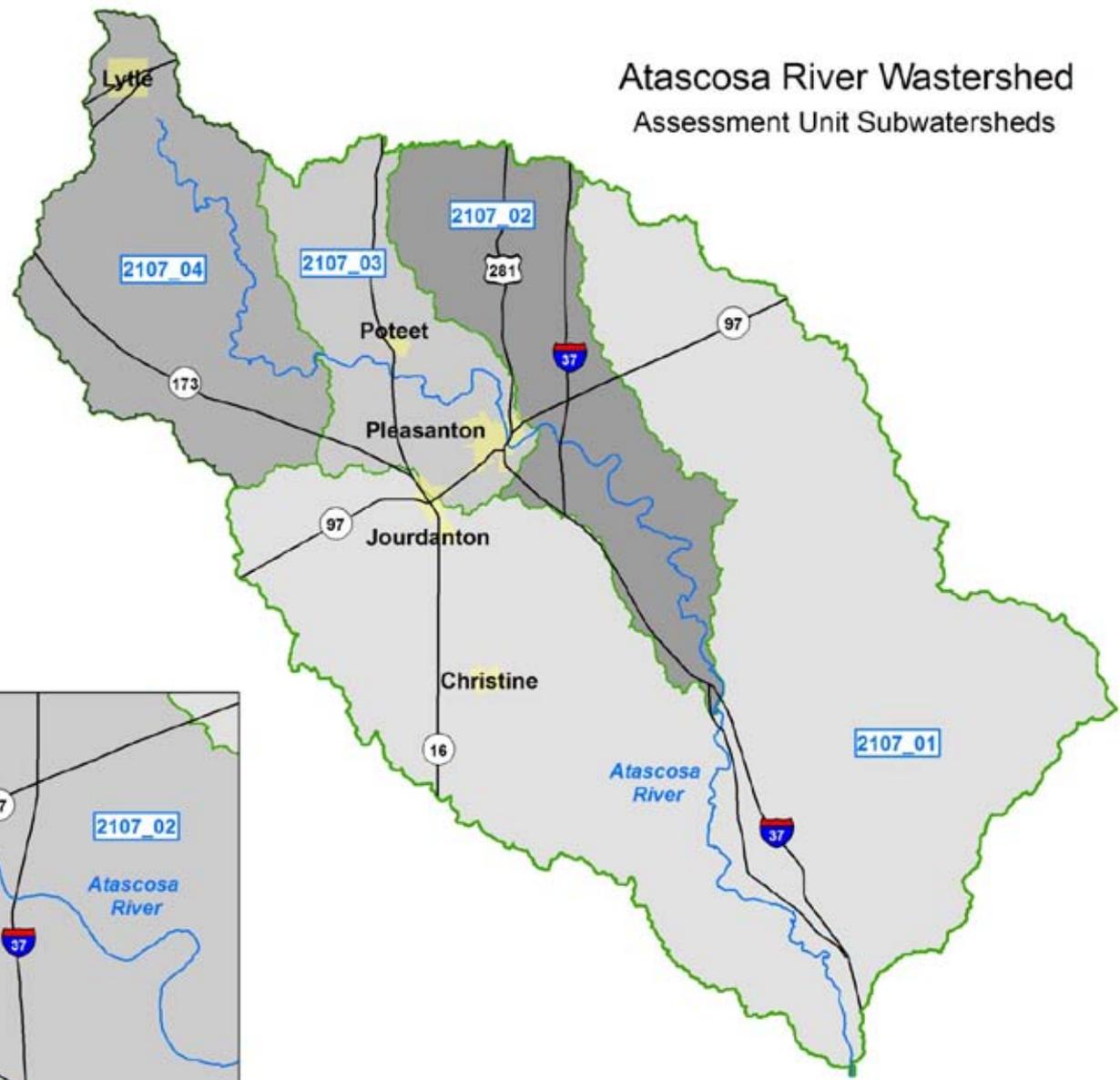
<u>Parameter(s)</u>	<u>Category</u>	<u>Year Segment First Listed</u>
impaired macrobenthic community	5b	2010
2107_02	From the confluence with Borrego Creek to the confluence with Galvan Creek	
2107_03	From the confluence with Galvan Creek to the confluence with Palo Alto Creek	

SegID: 2108 San Miguel Creek
 From a point immediately upstream of the confluence of Mustang Branch in McMullen County to the confluence of San Francisco Perez Creek and Chacon Creek in Frio County

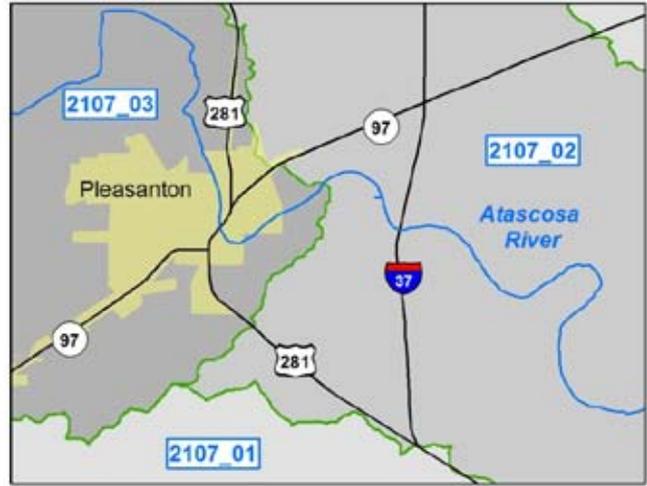
<u>Parameter(s)</u>	<u>Category</u>	<u>Year Segment First Listed</u>
bacteria	5c	2006
2108_01	From the downstream end of the segment to the confluence of Liveoak Creek	



Atascosa River Watershed Assessment Unit Subwatersheds



Pleasanton Area



Current Water Quality Status

- n Review of 2010 Texas Integrated Report Data

2010 Recreation Use Assessment Results

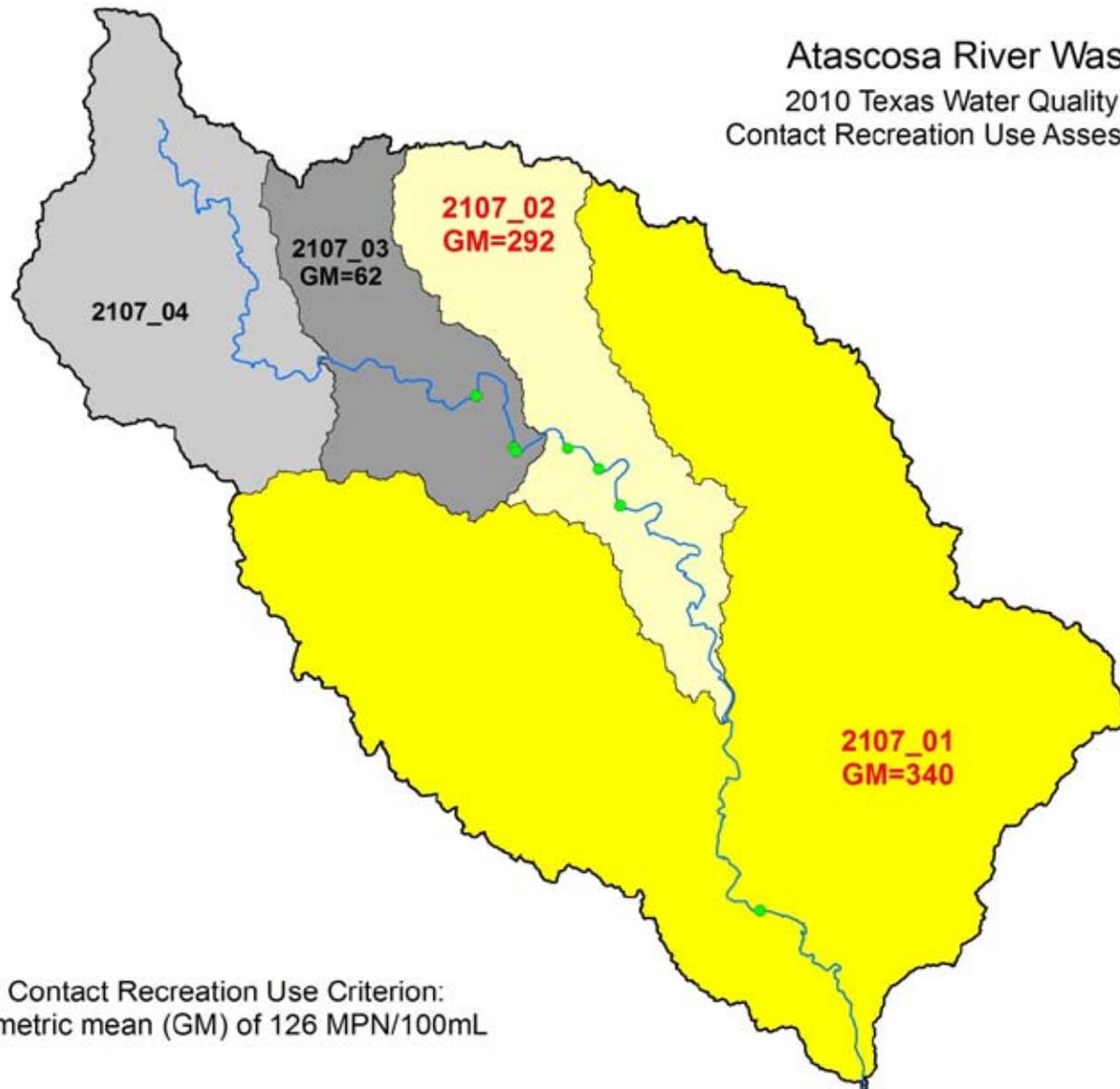
Segment AU	AU Description	Number of Samples	Geometric Mean *
2107_04	From upper end of segment to confluence with Palo Alto Creek	0	n/a
2107_03	From confluence with Palo Alto Creek to confluence with Galvan Creek	45	62
2107_02	From confluence with Galvan Creek to confluence with Borrego Creek	32	292
2107_01	From confluence with Borrego Creek to confluence with the Frio River	35	340

* *E. coli* geometric mean values (colony forming units/100mL)



Atascosa River Watershed

2010 Texas Water Quality Inventory
Contact Recreation Use Assessment Results



Primary Contact Recreation Use Criterion:
E. coli geometric mean (GM) of 126 MPN/100mL

2010 Contact Recreation Assessment by Station

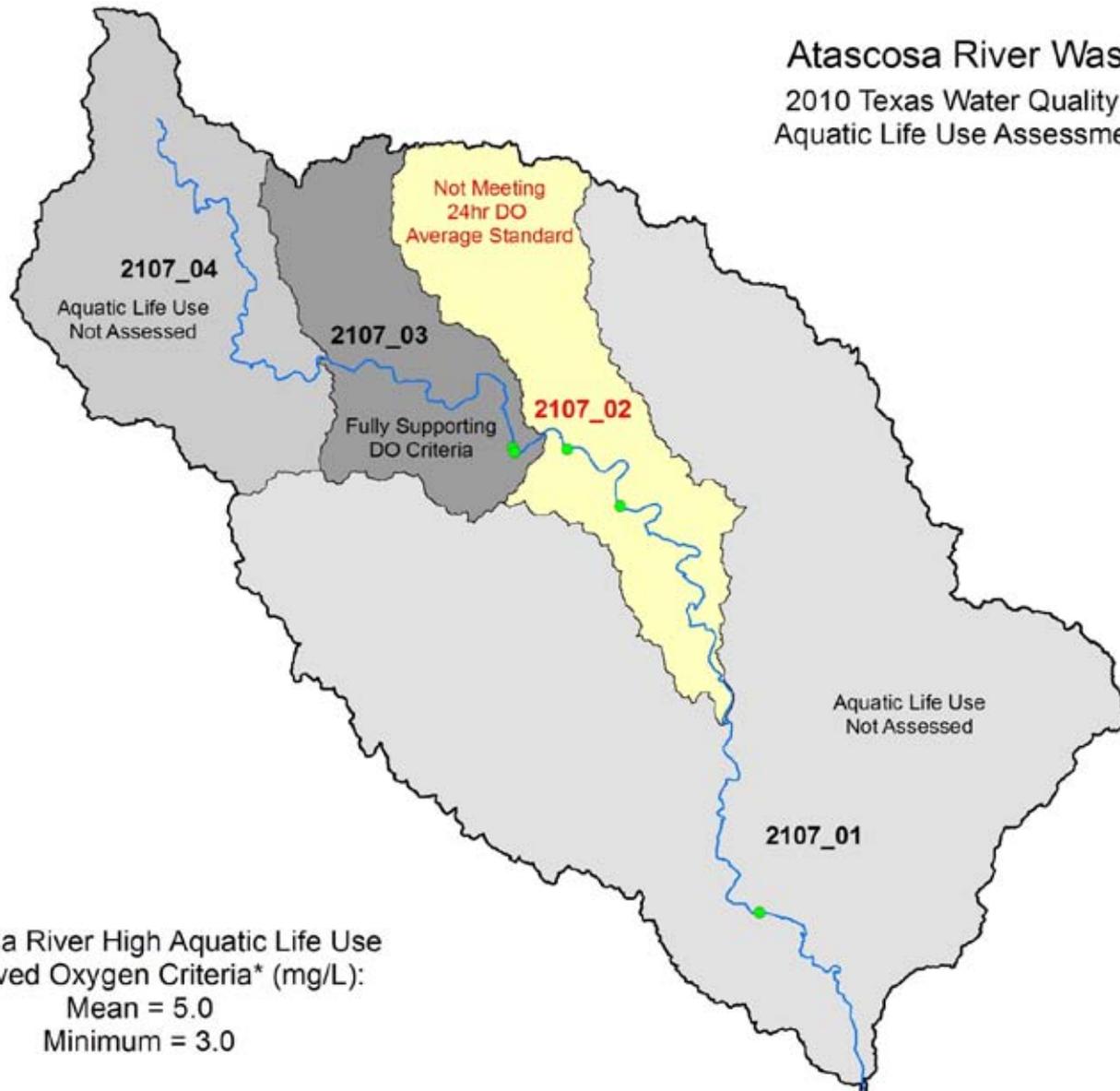
AU	Station	Station Description	Data Period	Number of Samples	Data Range*	Station Geomean*	AU Geomean*
2107_04	17142	This area was not assessed for the contact recreation use.					
2107_03	18645	ATASCOSA RIVER AT FM 476	2006-2007	5	81-410	158	63
	12982	ATASCOSA RIVER AT US 281	2002-2008	27	1-2,400	45	
	17898	ATASCOSA R DOWNST OF HUNT RD	2002-2004	13	7-1,986	93	
2107_02	17900	ATASCOSA RIVER AT IH 37	2002-2003	11	39-1,300	327	292
	18646	ATASCOSA RIVER AT COUGHRAN RD	2006-2007	8	76-1,000	203	
	17899	ATASCOSA RIVER AT LEAL RD	2002-2004	13	120-1,986	333	
2107_01	12980	ATASCOSA RIVER AT FM 99	2002-2008	35	2-26,000	340	340

**E. coli* unit of measurement= (colony forming units/100 milliliters)
 2010 Assessment Period of Record: 12/01/2001 – 11/30/2008



Atascosa River Watershed

2010 Texas Water Quality Inventory Aquatic Life Use Assessment Results



Atascosa River High Aquatic Life Use
Dissolved Oxygen Criteria* (mg/L):
Mean = 5.0
Minimum = 3.0

*Criteria not supported when exceeded more than 10% of the time using binomial method.

2010 Aquatic Life Use Assessment by Station

AU	Station	Station Description	Data Period	Number of Samples	Number of Samples exceeding 24-hr Average DO criterion	Number of Samples exceeding 24-hr Minimum DO criterion
2107_04	17142	-	-	-	-	-
2107_03	12982	ATASCOSA RIVER AT US 281	2003, 2005, 2008	10	1	1
	17898	ATASCOSA R DOWNST OF HUNT RD	2002-2004	14	1	1
2107_02	17900	ATASCOSA RIVER AT IH 37	2002-2003	9	3	0
	17899	ATASCOSA RIVER AT LEAL RD	2002-2004	13	7	0
2107_01	12980	ATASCOSA RIVER AT FM 99	2004	3	0	0

Dissolved Oxygen (DO) unit of measurement=milligrams/liter
 2010 Assessment Period of Record: 12/01/2001 – 11/30/2008

Contact Information

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Web www.tceq.state.tx.us/implementation/water/tmdl/31-atascosa.html

Where do we go from here?

Ron Stein