Table 1
Supporting Materials Previously Submitted to LDNR

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

Prepared or Submitted By	Date	Report / Analysis
Michael Pisani & Associates / Michael E. Pisani, P.E.	04/23/10	Site Evaluation Plan
Michael Pisani & Associates / Michael Pisani, P.E., and David Angle, P.G., CGWP	06/15/10	Expert Report, Michael E. Pisani, P.E. and David G. Angle, P.G., CGWP
Michael Pisani & Associates / Michael Pisani, P.E.	09/24/10	Letter Report to LDNR regarding Project Update
Michael Pisani & Associates / Michael Pisani, P.E.	10/15/10	Supplemental Data / Expert Report
Michael Pisani & Associates / Michael Pisani, P.E.	10/15/10	Letter Report to LDEQ regarding investigation update on subject property
Michael Pisani & Associates / Michael Pisani, P.E.	10/22/10	Transmittal Correspondence to LDNR / LDEQ of updated tables and supporting materials
Michael Pisani & Associates / Helen R. Connelly, Ph.D. (and John H. Rodgers, Ph.D.)	02/27/14	Crab and Fish Collection Report
Eberline Analytical / Oak Ridge Laboratory (prepared for Michael Pisani & Associates)	05/06/14	Standard Level IV Report of Analysis
Michael Pisani & Associates / Michael Pisani, P.E., and David Angle, P.G., CGWP	06/05/14	Supplemental Data / Expert Report
Michael Pisani & Associates / Michael Pisani, P.E., and David Angle, P.G., CGWP	01/22/15	Letter Report to LDNR regarding 2010-2014 Project Update
Michael Pisani & Associates / Michael E. Pisani, P.E. and David G. Angle, P.G., CGWP	02/16/15	Supplemental Data / Expert Report
Environmental Resources Management / Angela Levert	06/29/10	Expert Opinions of Angela Levert
Environmental Resources Management / Angela Levert	10/15/10	Incorporation of Additional Data into Opinions of Angela Levert
Environmental Resources Management / Angela Levert	12/06/10	Quality Assurance Project Plan / Sampling Analysis and Assessment Plan for Crab and Forage Fish Tissue
Environmental Resources Management / Angela Levert	03/17/11	Transmittal of Preliminary Crab and Forage Fish Tissue Sampling Results
Environmental Resources Management / Angela Levert	03/06/14	Transmittal of Crab and Forage Fish Tissue Sampling Results for Total Petroleum Hydrocarbons
Environmental Resources Management / Angela Levert	06/05/14	Supplement to Expert Opinions, Angela Levert
Environmental Resources Management / Angela Levert	02/16/15	Supplement to Expert Opinions, Angela Levert
Gradient Corporation / Barbara Beck, Ph.D.	06/29/10	Expert Report of Barbara D. Beck, Ph.D.
Gradient Corporation / Barbara Beck, Ph.D.	10/15/10	Letter report re: updated tables and additional reference materials in further support of opinions of Barbara D. Beck, Ph.D.
Gradient Corporation / Barbara Beck, Ph.D.	06/05/14	Supplemental Expert Report of Barbara D. Beck, Ph.D., Fellow ATS
Gradient Corporation / Barbara Beck, Ph.D.	02/16/15	Third Supplemental Expert Report of Barbara D. Beck, Ph.D.
URS Corporation / David Lingle	06/29/10	Screening-Level Ecological Risk Assessment
URS Corporation / David Lingle	10/15/10	Incorporation of Additional Laboratory Analytical Data into Screening-Level Ecological Risk Assessment
Cardno ENTRIX / Kenneth Jenkins, Ph.D.	06/05/14	Expert Report of Kenneth D. Jenkins, Ph.D.
John H. Rodgers, Jr., Ph.D.	06/28/10	Site Assessment and Expert Report, John H. Rodgers Jr., Ph.D.
Helen R. Connelly, Ph.D. and John H. Rodgers, Ph.D.	06/05/14	Supplemental Ecological Expert Report, Helen R. Connelly, Ph.D. and John H. Rodgers, Jr., Ph.D.
John R. Frazier, Ph.D., CHP	06/15/10	Expert Report of John R. Frazier, Ph.D., CHP
John R. Frazier, Ph.D., CHP	06/04/14	Supplemental Expert Report, John R. Frazier, Ph.D., CHP
John R. Frazier, Ph.D., CHP	02/16/15	Second Supplemental Expert Report of John R. Frazier, Ph.D., CHP

Note: These materials were previously submitted to LDNR and are hereby incorporated by reference without being re-transmitted.

Table 1A
Additional Materials Supporting Most Feasible Plan Recommendation
East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

Prepared or Submitted By	Date	Report / Analysis
Environmental Resources Management / Angela Levert	10/01/15	Site Investigation Report and RECAP Evaluation
John H. Rodgers, Jr., Ph.D.	09/30/15	Ecological Risk Assessment
Gradient Corporation / Barbara Beck, Ph.D.	10/01/15	Report of Barbara D. Beck, Ph.D., DABT, Fellow ATS Concerning the East White Lake Site, Vermilion Louisiana
Calvin C. Barnhill, P.E.	09/20/15	Report of Calvin C. Barnhill

Table 1B

Prior Reports from Other Experts to this Property[1]

East White Lake Oil and Gas Field

Vermilion Parish, Louisiana

Prepared or Submitted By	Date	Report / Analysis
Calvin C. Barnhill, P.E.	02/13/10	Expert Report
Calvin C. Barnhill, P.E.	02/15/15	Supplemental Expert Report
Mary L. Barrett, Ph.D.	06/14/10	Expert Report
Mary L. Barrett, Ph.D.	07/18/10	Supplemental Expert Report
Mary L. Barrett, Ph.D.	07/19/10	Supplemental Expert Report
Mary L. Barrett, Ph.D.	02/16/15	Supplemental Expert Report
Mark Byrnes	06/29/10	Expert Report
Arville Touchet	6/16/2010	Expert Report
Arville Touchet	6/28/2010	Expert Report
Arville Touchet	7/11/2010	Amended Expert Report
Arville Touchet	10/8/2010	Amended Expert Report

[1] These material are included in Appendix F.

Table 2
LDNR Registered Oil and Gas Wells - Well History

East White Lake Field
Vermilion Parish, Louisiana

Section	Township	Range
16	15S	01E

Count	Well Serial	Well Name	Well Num	Total Depth	Spud Date	P & A Date	Well Status	Well History	SWD
1	22847	SCHOOL BOARD	1	0			Permit Expired	LA. Land & Expl. Co. 8/1/1939	
2	24764	VER PSH SCH BD B	1	12116	10/2/1940	12/1/1999	Plugged and Abandoned	Union Oil Co of California 9/3/1940 - 8/1/1990 UNOCAL Exploration Corp 8/1/1990 - 5/1/1992 Union Oil Co of California 5/1/1992 - 4/1/1995 Resource Acquisitions Corp 4/1/1995 - 12/1/1999	
3	26174	VER PSH SCH BD A	1	10311	7/7/1941	NONE	Shut-In Productive -Future Utility	Union Oil Co of California 7/7/1941 - 8/1/1990 UNOCAL Exploration Corp 8/1/1990 - 5/1/1992 Union Oil Co of California 5/1/1992 - 4/1/1995 Resource Acquisitions Corp 4/1/1995 - 12/31/2002 Peak Operating Co. 1/1/2003 -	
4	26749*	VER PSH SCH BD A	2	10600	11/1/1941	NONE	Shut-In Productive -Future Utility	Union Oil Co of California 11/1/1940 - 8/1/1990 UNOCAL Exploration Corp 8/1/1990 - 5/1/1992 Union Oil Co of California 5/1/1992 - 4/1/1995 Resource Acquisitions Corp 4/1/1995 - 12/31/1999 Peak Operating Co. 1/1/2003 -	
5	27166	EWLK R SU;VPSB A	3	6440	2/11/1942	1/23/1989	Plugged and Abandoned	Union Oil Co of California 2/11/1942 -1/23/1989	
6	27354	VER. PSH. SCH. BD A	003D	6440	2/11/1942	1/23/1989	Plugged and Abandoned	Union Oil Co of California 2/11/1942 -1/23/1989	
7	27581	VER PSH SCH BD A	4	6440	7/15/1942	NONE	Shut-In Productive -Future Utility	Union Oil Co of California 7/15/1942 - 8/1/1990 UNOCAL Exploration Corp 8/1/1990 - 5/1/1992 Union Oil Co of California 5/1/1992 - 4/1/1995 Resource Acquisitions Corp 4/1/1995 - 12/31/1999 Peak Operating Co. 1/1/2003 -	
8	27809	VER PSH SCH BD A	004-D	6440	7/15/1942	NONE	Reverted to Single Completion	Union Oil Co of California 7/15/1942 - 8/1/1990 UNOCAL Exploration Corp 8/1/1990 - 5/1/1992 Union Oil Co of California 5/1/1992 - 4/1/1995 Resource Acquisitions Corp 4/1/1995 - 12/31/1999 Peak Operating Co. 1/1/2003 -	
9	28116	EWLK R SU;VPSB A	5	6440	1/11/1943	12/7/1989	Plugged and Abandoned	Union Oil Co of California 1/11/1943 - 12/7/1989	
10	28200	VER. PSH. SCH. BD A	005D	6440	1/11/1943	12/7/1989	Plugged and Abandoned	Union Oil Co of California 1/11/1943 - 12/7/1990	
11	28381	VER PSH SCH BD A SWD	6	6448	6/21/1943	1/21/2005	Plugged and Abandoned	Union Oil Co of California 6/21/1943 - 2/26/1986 Union Exploration Partners, Ltd. 2/26/1986 - 8/1/1990 UNOCAL Exploration Corp 8/1/1990 - 5/1/1992 Union Oil Co of California 5/1/1992 - 4/1/1995 Resource Acquisitions Corp 4/1/1995 - 12/31/1999 Peak Operating Co. 1/1/2003 - 1/21/2005	Yes 6/7/95
12	28578	VER PSH SCH BD A	006-D	6448	6/21/1943	1/21/2005	Plugged and Abandoned	Union Oil Co of California 6/21/1943 - 8/1/1990 UNOCAL Exploration Corp 8/1/1990 - 5/1/1992 Union Oil Co of California 5/1/1992 - 4/1/1995 Resource Acquisitions Corp 4/1/1995 - 12/31/1999 Peak Operating Co. 1/1/2003 - 1/21/2005	
13	28636	EWLK R SU;VPSB A	7	6398	9/20/1943	10/1/1983	Plugged and Abandoned	Union Oil Co of California 9/20/1943 - 10/1/1983	

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* Indicates wells with associated pits

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Vermilion Parish, Louisiana

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16	15S	01E

Count	Well Serial	Well Name	Well Num	Total Depth	Spud Date	P & A Date	Well Status	Well History	SWD
14	28790	VER PSH SCH BD A	8	10553	11/6/1943	5/6/1975	Plugged and Abandoned	Union Oil Co of California 11/6/1943 - 5/6/1975	
15	28841	VER. PSH. SCH. BD A	007D	6447	9/20/1943	11/9/1974	Plugged and Abandoned	Union Oil Co of California 9/20/1943 - 11/9/1974	
16	29271	VER PSH SCH BD A	9	6440	4/22/1944	7/28/2005	Plugged and Abandoned	Union Oil Co of California 4/22/1944 - 8/1/1990 UNOCAL Exploration Corp 8/1/1990 - 5/1/1992 Union Oil Co of California 5/1/1992 - 4/1/1995 Resource Acquisitions Corp 4/1/1995 - 12/31/1999 Peak Operating Co. 1/1/2003 - 7/28/2005	
17	29361	VER PSH SCH BD A	009-D	6438	4/22/1944	7/28/2005	Plugged and Abandoned	Union Oil Co of California 4/22/1944 - 8/1/1990 UNOCAL Exploration Corp 8/1/1990 - 5/1/1992 Union Oil Co of California 5/1/1992 - 4/1/1995 Resource Acquisitions Corp 4/1/1995 - 12/31/1999 Peak Operating Co. 1/1/2003 - 7/28/2005	
18	29368	EWLK R SU;VPSB B	2	6444	5/24/1944	11/11/1987	Plugged and Abandoned	Union Oil Co of California 5/24/1944 - 2/26/1986 Union Expl. Partners Ltd. 2/26/1986 - 11/11/1987	
19	29432	VER PAR SCHOOL BOARD	002-B-D	6444	5/24/1944	11/11/1987	Plugged and Abandoned	Union Oil Co of California 5/24/1944 - 11/11/1987	
20	29537	EWLK R SU;VPSB B	3	6500	8/11/1944	9/29/1987	Plugged and Abandoned	Union Oil Co of California 8/11/1944 - 9/29/1987	
21	29635	VER PSH SCH BD A	10	8971	9/10/1944	11/18/1987	Plugged and Abandoned	Union Oil Co of California 9/10/1944 - 11/18/1987	
22	29760	VER PSH SCH BD A	11	6440	11/25/1944	11/15/1990	Plugged and Abandoned	Union Oil Co of California 11/25/1944 - 8/1/1990 UNOCAL Exploration Corp 8/1/1990 - 11/15/1990	
23	30046	VER. PSH. SCH. BD A	12	6901	1/31/1945	7/2/1986	Plugged and Abandoned	Union Oil Co of California 11/25/1944 - 4/9/1986 UNOCAL Exploration Corp 4/9/1986 - 7/2/1986	
24	30182	VER PSH SCH BD B	4	11475	3/4/1945	12/21/1999	Plugged and Abandoned	Union Oil Co of California 4/22/1944 - 2/26/1986 Union Expl. Partners Ltd. 2/26/1986 - 8/1/1980 UNOCAL Exploration Corp 8/1/1980 - 5/1/1992 Union Oil Co of California 5/1/1992 - 4/1/1995 Resource Acquisitions Corp 4/1/1995 - 12/31/1999	
25	30564*	VUA;LA FURS-VPSB	1	7000	7/1/1945	8/12/1988	Plugged and Abandoned	Union Oil Co of California 7/1/1945 - 2/26/1986 Union Expl. Partners Ltd. 2/26/1986 - 8/12/1988	
26	30680	VUB;LA FURS-VPSB	2	6440	8/13/1945	10/28/1987	Plugged and Abandoned	Union Oil Co of California 8/13/1945 - 2/26/1986 Union Expl. Partners Ltd. 2/26/1986 - 10/28/1987	
27	30805	VER PSH SCH BD A	13	6350	9/15/1945	7/9/2005	Plugged and Abandoned	Union Oil Co of California 9/15/1945 - 2/26/1986 Union Expl. Partners Ltd. 2/26/1986 - 10/28/1987 UNOCAL Exploration Corp 8/1/1980 - 5/1/1992 Union Oil Co of California 5/1/1992 - 4/1/1995 Resource Acquisitions Corp 4/1/1995 - 1/1/2003 Peak Operating Co. 1/1/2003 - 7/9/2005	
28	31067	EWLK R SU;VPSB B	5	6440	11/27/1945	10/21/1987	Plugged and Abandoned	Union Oil Co of California 11/27/1945 - 2/26/1986 Union Expl. Partners Ltd. 2/26/1986 - 10/28/1987	

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LDNR Registered Oil and Gas Wells - Well History

East White Lake Field
Vermilion Parish, Louisiana

Section	Township	Range
16	15S	01E

Count	Well Serial	Well Name	Well Num	Total Depth	Spud Date	P & A Date	Well Status	Well History	SWD
29	31271	VER PSH SCH BD A	14	6752	1/1/1946	6/12/2005	Plugged and Abandoned	Union Oil Co of California 1/1/1946 - 2/26/1986 Union Expl. Partners Ltd. 2/26/1986 - 8/1/1990 UNOCAL Exploration Corp 8/1/1990 - 5/2/1992 Union Oil Co of California 5/2/1992 - 4/1/1995 Resource Acquisitions Corp 4/1/1995 - 12/31/1999 Peak Operating Co. 1/1/2003 - 6/12/2005	
30	31360	EWLK R SU;VPSB A	15	6435	1/30/1946	9/21/1987	Plugged and Abandoned	Union Oil Co of California 1/30/1946 - 2/26/1986 Union Expl. Partners Ltd. 2/26/1986 - 9/21/1987	
31	40010	VER. PSH. SCH. BD A	16	6316	1/18/1950	10/28/1980	Plugged and Abandoned	Union Oil Co of California 1/18/1950 - 10/28/1980	
32	40119	VER PSH SCH BD A	17	6435	3/2/1950	2/13/1975	Plugged and Abandoned	Union Oil Co of California 3/2/1950 - 2/13/1975	
33	40120	EWLK R SU;VPSB A	18	6833	2/13/1950	1/12/2000	Plugged and Abandoned	Union Oil Co of California 2/13/1950 - 2/26/1986 Union Expl. Partners Ltd. 2/26/1986 - 8/1/1990 UNOCAL Exploration Corp 8/1/1990 - 5/1/1992 Union Oil Co of California 5/1/1992 - 4/1/1995 Resource Acquisitions Corp 4/1/1995 - 1/12/2000	
34	40121	SCHOOL BOARD	019-A	0		NA	Permit Expired	Union Oil Co of California	
35	48951	LA FURS-VER PAR SCH BD	2	12062	7/5/1953	4/26/1962	Plugged and Abandoned	Union Oil Co of California 7/5/1953 - 4/26/1962	
36	52266	VER PSH SCH BD A	19	6905	5/12/1954	4/6/2005	Plugged and Abandoned	Union Oil Co of California 5/12/1954 - 2/26/1986 Union Expl. Partners Ltd. 2/26/1986 - 8/1/1990 UNOCAL Exploration Corp 8/1/1990 - 5/1/1992 Union Oil Co of California 5/1/1992 - 4/1/1995 Resource Acquisitions Corp 4/1/1995 - 12/31/1999 Peak Operating Co. 1/1/2003 - 4/6/2005	
37	52359	VER PSH SCH BD A	20	6168	6/19/1954	1/20/1989	Plugged and Abandoned	Union Oil Co of California 6/19/1954 - 2/26/1986 Union Expl. Partners Ltd. 2/26/1986 - 1/20/1989	
38	52977	VER PSH SCH BD A	21	7302	10/24/1954	11/21/1991	Plugged and Abandoned	Union Oil Co of California 10/24/1954 - 2/26/1986 Union Expl. Partners Ltd. 2/26/1986 - 8/1/1990 UNOCAL Exploration Corp 8/1/1990 - 5/1/1992	
39	52978	VER PSH SCH BD A	22	7125	8/14/1954	1/18/2000	Plugged and Abandoned	Union Oil Co of California 8/14/1954 - 2/26/1986 Union Expl. Partners Ltd. 2/26/1986 - 8/1/1990 UNOCAL Exploration Corp 8/1/1990 - 5/1/1992 Union Oil Co of California 5/1/1992 - 4/1/1995 Resource Acquisitions Corp 4/1/1995 - 1/18/2000	
40	52979	EWLK R SU;VPSB B	6	6853	10/2/1954	NONE	Active - Producing	Union Oil Co of California 10/2/1954 - 2/26/1986 Union Expl. Partners Ltd. 2/26/1986 - 8/1/1990 UNOCAL Exploration Corp 8/1/1990 - 5/1/1992 Union Oil Co of California 5/1/1992 - 4/1/1995 Resource Acquisitions Corp 4/1/1995 - 12/31/1999 Peak Operating Co. 1/1/2003 -	
41	53059	VER. PSH. SCH. BD A	020D	6168	6/19/1954	1/20/1989	Plugged and Abandoned	Union Oil Co of California 6/19/1954 - 2/26/1986 Union Expl. Partners Ltd. 2/26/1986 - 1/20/1989	

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16	15S	01E

Count	Well Serial	Well Name	Well Num	Total Depth	Spud Date	P & A Date	Well Status	Well History	SWD
42	54413	VER PARISH SCHOOL BOARD	024-A	5132	12/15/1954	4/22/1961	Plugged and Abandoned	Union Oil Co of California 12/15/1954 - 4/22/1961	
43	54470	VER PSH SCH BD A	23	7230	11/15/1954	6/28/2005	Plugged and Abandoned	Union Oil Co of California 11/15/1954 - 2/26/1986 Union Expl. Partners Ltd. 2/26/1986 - 8/1/1990 UNOCAL Exploration Corp 8/1/1990 - 5/1/1992 Union Oil Co of California 5/1/1992 - 4/1/1995 Resource Acquisitions Corp 4/1/1995 - 12/31/1999 Peak Operating Co. 1/1/2003 - 6/28/2005	
44	55615	VER PSH SCH BD B	7	8478	2/27/1955	1/6/2000	Plugged and Abandoned	Union Oil Co of California 2/27/1955 - 2/26/1986 Union Expl. Partners Ltd. 2/26/1986 - 8/1/1990 UNOCAL Exploration Corp 8/1/1990 - 5/1/1992 Union Oil Co of California 5/1/1992 - 4/1/1995 Resource Acquisitions Corp 4/1/1995 - 1/6/2000	
45	56057	VER PSH SCH BD A	25	7774	4/30/1955	6/22/2005	Plugged and Abandoned	Union Oil Co of California 4/30/1955 - 2/26/1986 Union Expl. Partners Ltd. 2/26/1986 - 8/1/1990 UNOCAL Exploration Corp 8/1/1990 - 5/1/1992 Union Oil Co of California 5/1/1992 - 4/1/1995 Resource Acquisitions Corp 4/1/1995 - 12/31/1999 Peak Operating Co. 1/1/2003 - 6/22/2005	
46	56890	VER PSH SCH BD B	8	7949	6/14/1955		Reverted to Single Completion	Union Oil Co of California 6/14/1955 - 2/26/1986 Union Expl. Partners Ltd. 2/26/1986 - 8/1/1990 UNOCAL Exploration Corp 8/1/1990 - 5/1/1992 Union Oil Co of California 5/1/1992 - 4/1/1995 Resource Acquisitions Corp 4/1/1995 - 12/31/1999 Peak Operating Co. 1/1/2003 -	
47	57546	VERMILION PARISH SCHOOL BOARD	009-B	9150	8/10/1955	4/30/1962	Plugged and Abandoned	Union Oil Co of California 8/10/1955 - 4/30/1962	
48	57573	VER PSH SCH BD A	025-D	7774	4/30/1955	6/22/2005	Plugged and Abandoned	Union Oil Co of California 4/30/1955 - 2/26/1986 Union Expl. Partners Ltd. 2/26/1986 - 8/1/1990 UNOCAL Exploration Corp 8/1/1990 - 5/1/1992 Union Oil Co of California 5/1/1992 - 4/1/1995 Resource Acquisitions Corp 4/1/1995 - 12/31/1999 Peak Operating Co. 1/1/2003 - 6/22/2005	
49	57784	VER PSH SCH BD B	008-D	7949	6/14/1955	NONE	Shut-In Productive -Future Utility	Union Oil Co of California 6/14/1955 - 2/26/1986 Union Expl. Partners Ltd. 2/26/1986 - 8/1/1990 UNOCAL Exploration Corp 8/1/1990 - 5/1/1992 Union Oil Co of California 5/1/1992 - 4/1/1995 Resource Acquisitions Corp 4/1/1995 - 12/31/1999 Peak Operating Co. 1/1/2003 -	
50	58254	VERM PH SCH BOARD	026-A	9566	9/15/1955	10/13/1955	Dry and Plugged	Union Oil Co of California 9/1/1955 - 10/13/1955	
51	58860	VERMILION PAR SCHOOL BOARD	009 BD	9150	8/10/1955	4/30/1962	Plugged and Abandoned	Union Oil Co of California 8/10/1955 - 4/30/1962	
52	59448	LAFURS-VERMILION SCHOOL BRD U	1	7529	11/29/1955	3/4/1956	Dry and Plugged	Union Oil Co of California 11/29/1955 - 3/4/1956	
53	62458	VER. PSH. SCH. BD A	027-A	8500	8/10/1956	8/2/1972	Plugged and Abandoned	Union Oil Co of California 8/10/1956 - 8/2/1972	

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East White Lake Field
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16	15S	01E

Count	Well Serial	Well Name	Well Num	Total Depth	Spud Date	P & A Date	Well Status	Well History	SWD
54	63753	VER PSH SCH BD A	027D	8500	8/10/1956	NA	Permit Expired	Union Oil Co of California	
55	65621	VER PSH SCH BD B	007-D	8478	2/22/1955	1/6/2000	Plugged and Abandoned	Union Oil Co of California 2/22/1955 - 2/26/1986 Union Expl. Partners Ltd. 2/26/1986 - 8/1/1990 UNOCAL Exploration Corp 8/1/1990 - 5/1/1992 Union Oil Co of California 5/1/1992 - 4/1/1995 Resource Acquisitions Corp 4/1/1995 - 1/6/2000	
56	81210	VER PSH SCH BD A	28	6108	9/28/1960	NONE	Shut-In Productive -Future Utility	Union Oil Co of California 9/28/1960 - 2/26/1986 Union Expl. Partners Ltd. 2/26/1986 - 8/1/1990 UNOCAL Exploration Corp 8/1/1990 - 5/1/1992 Union Oil Co of California 5/1/1992 - 4/1/1995 Resource Acquisitions Corp 4/1/1995 - 12/31/1999 Peak Operating Co. 1/1/2003 -	
57	81211	VER PSH SCH BD A	29		9/13/1960	NONE	Active - Producing	Union Oil Co of California 9/13/1960 - 2/26/1986 Union Expl. Partners Ltd. 2/26/1986 - 8/1/1990 UNOCAL Exploration Corp 8/1/1990 - 5/2/1992 Union Oil Co of California 5/2/1992 - 4/1/1995 Resource Acquisitions Corp 4/1/1995 - 12/31/1999 Peak Operating Co. 1/1/2003 -	
58	89035	VER. PSH. SCH. BD A	30	6012	3/11/1962	8/18/1981	Plugged and Abandoned	Union Oil Co of California 3/11/1962 - 8/18/1981	
59	90256	VER. PSH. SCH. BD A	030D	6012	3/11/1962	8/18/1981	Plugged and Abandoned	Union Oil Co of California 3/11/1962 - 8/18/1981	
60	95936	VER PSH SCH BD B	10	11496	5/23/1963	12/14/1999	Plugged and Abandoned	Union Oil Co of California 5/23/1963 - 2/26/1986 Union Expl. Partners Ltd. 2/26/1986 - 10/28/1987 UNOCAL Exploration Corp 8/1/1980 - 5/1/1992 Union Oil Co of California 5/1/1992 - 4/1/1995 Resource Acquisitions Corp 4/1/1995 - 12/14/1999	
61	96940	VER PSH SCH BD A	31	6100	7/16/1963	NONE	Shut-In Productive -Future Utility	Union Oil Co of California 7/16/1963 - 2/26/1986 Union Expl. Partners Ltd. 2/26/1986 - 8/1/1990 UNOCAL Exploration Corp 8/1/1990 - 5/2/1992 Union Oil Co of California 5/2/1992 - 4/1/1995 Resource Acquisitions Corp 4/1/1995 - 12/31/1999 Peak Operating Co. 1/1/2003 -	
62	123274	EWLK R SU;VPSB A	33	10722	2/1/1968	NONE	Shut-In Productive -Future Utility	Union Oil Co of California 2/1/1968 - 2/26/1986 Union Expl. Partners Ltd. 2/26/1986 - 8/1/1990 UNOCAL Exploration Corp 8/1/1990 - 5/2/1992 Union Oil Co of California 5/2/1992 - 4/1/1995 Resource Acquisitions Corp 4/1/1995 - 12/31/1999 Peak Operating Co. 1/1/2003 -	
63	123444	VER PSH SCH BD A	32	10505	2/23/1968	3/11/1968	Dry and Plugged	Union Oil Co of California 2/23/1968 - 3/11/1968	
64	123702	VER PSH SCH BD A	34	0		NA	Permit Expired	Union Oil Co of California	

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East White Lake Field
Vermilion Parish, Louisiana

Section	Township	Range
16	15S	01E

Count	Well Serial	Well Name	Well Num	Total Depth	Spud Date	P & A Date	Well Status	Well History	SWD
65	123719	VER PSH SCH BD A	033D	10722	2/1/1968		Reverted to Single Completion	Union Oil Co of California 2/1/1968 - 2/26/1986 Union Expl. Partners Ltd. 2/26/1986 - 8/1/1990 UNOCAL Exploration Corp 8/1/1990 - 5/2/1992 Union Oil Co of California 5/2/1992 - 4/1/1995 Resource Acquisitions Corp 4/1/1995 - 12/31/1999 Peak Operating Co. 1/1/2003 -	
66	129310	EWLK R SU;VPSB A	027D	8500	6/25/1969	11/24/1987	Plugged and Abandoned	Union Oil Co of California 6/25/1969 - 2/26/1986 Union Expl. Partners Ltd. 2/26/1986 - 11/24/1987	
67	129511	VER PSH SCH BD A	022-D	7125	7/11/1969	1/18/2000	Plugged and Abandoned	Union Oil Co of California 7/11/1969 - 2/26/1986 Union Expl. Partners Ltd. 2/26/1986 - 8/1/1990 UNOCAL Exploration Corp 8/1/1990 - 5/2/1992 Union Oil Co of California 5/2/1992 - 4/1/1995 Resource Acquisitions Corp 4/1/1995 - 1/18/2000	
68	146846	VER PSH SCH BD B	11	12773	3/10/1975	11/25/1991	Plugged and Abandoned	Union Oil Co of California 3/10/1975 - 2/26/1986 Union Expl. Partners Ltd. 2/26/1986 - 8/1/1990 UNOCAL Exploration Corp 8/1/1990 - 11/25/1991	
69	150175	EWLK R SU;VPSB B	12	13100	11/29/1975	10/13/1987	Plugged and Abandoned	Union Oil Co of California 11/29/1975 - 3/20/1986 Union Expl. Partners Ltd. 3/20/1986 - 10/13/1987	
70	162006	VER PSH SCH BD A SWD	34	12300	11/30/1978	NONE	Active - Injection	Union Oil Co of California 11/30/1978 - 2/26/1986 Union Expl. Partners Ltd. 2/26/1986 - 8/1/1990 UNOCAL Exploration Corp 8/1/1990 - 5/1/1992 Union Oil Co of California 5/1/1992 - 4/1/1995 Resource Acquisitions Corp 4/1/1995 - 12/31/1999 Peak Operating Co. 1/1/2003 -	Yes 5/6/94
71	166402	VER PSH SCH BD A SWD	35	11523	12/7/1979	NONE	Active - Injection	Union Oil Co of California 12/7/1979 - 2/26/1986 Union Expl. Partners Ltd. 2/26/1986 - 8/1/1990 UNOCAL Exploration Corp 8/1/1990 - 5/1/1992 Union Oil Co of California 5/1/1992 - 4/1/1995 Resource Acquisitions Corp 4/1/1995 - 12/31/1999 Peak Operating Co. 1/1/2003 -	Yes 2/8/01
72	168196	VER PSH SCH BD A	36	5840	4/10/1980	4/26/1980	Plugged and Abandoned	Union Expl. Partners Ltd. 4/10/1980 - 4/26/1980	
73	168197	VER PSH SCH BD B	13	11750	4/28/1980	6/9/1980	Dry and Plugged	Union Expl. Partners Ltd. 4/28/1980 - 6/9/1980	
74	169515	VER PSH SCH BD B	14	11790	7/6/1980	12/8/1999	Plugged and Abandoned	Union Expl. Partners Ltd. 7/6/1980 - 8/1/1990 UNOCAL Exploration Corp 8/1/1990 - 5/1/1992 Union Oil Co of California 5/1/1992 - 4/1/1995 Resource Acquisitions Corp 4/1/1995 - 12/8/1999	

Notes:
All data obtained from LDNR SONRIS database
* Indicates wells with associated pits

Table 2
LDNR Registered Oil and Gas Wells - Well History

East White Lake Field
Vermilion Parish, Louisiana

Section	Township	Range
16	15S	01E

Count	Well Serial	Well Name	Well Num	Total Depth	Spud Date	P & A Date	Well Status	Well History	SWD
75	194274	VER PSH SCH BD A	40	6550	12/4/1984	NONE	Shut-In Productive -No Future Utility	Union Expl. Partners Ltd. 12/4/1984 - 8/1/1990 UNOCAL Exploration Corp 8/1/1990 - 5/1/1992 Union Oil Co of California 5/1/1992 - 4/1/1995 Resource Acquisitions Corp 4/1/1995 - 12/31/2002 Peak Operating Co. 1/1/2003 -	
76	207401*	EWLK R SU;VPSB A	42	12260	4/2/1988	NONE	Shut-In Productive -Future Utility	Union Expl. Partners Ltd. 4/2/1988 - 8/1/1990 UNOCAL Exploration Corp 8/1/1990 - 5/1/1992 Union Oil Co of California 5/1/1992 - 4/1/1995 Resource Acquisitions Corp 4/1/1995 - 12/31/2002 Peak Operating Co. 1/1/2003 -	
77	209103*	EWLK R SU;VPSB A	41	7200	10/19/1988	NONE	Shut-In Productive -Future Utility	Union Expl. Partners Ltd. 10/19/1988 - 8/1/1990 UNOCAL Exploration Corp 8/1/1990 - 5/1/1992 Union Oil Co of California 5/1/1992 - 4/1/1995 Resource Acquisitions Corp 4/1/1995 - 12/31/2002 Peak Operating Co. 1/1/2003 -	
78	218374*	VER PSH SCH BD A	44	6754	10/15/1995	NONE	Active - Producing	Resource Acquisitions Corp 10/15/1995 - 12/31/2002 Peak Operating Co. 1/1/2003 -	
79	222387*	VER PSH SCH BD A	45	6865	9/2/1998	NONE	Active - Producing	Resource Acquisitions Corp 9/2/1998 - 12/31/2002 Peak Operating Co. 1/1/2003 -	
80	224015*	VER PSH SCH BD A	46	7257	2/17/2000	7/14/2005	Plugged and Abandoned	Resource Acquisitions Corp 2/17/2000 - 12/31/2002 Peak Operating Co. 1/1/2003 - 7/14/2005	
81	225590*	VER PSH SCH BD A	47	6608	3/22/2001	NONE	Active - Producing	Resource Acquisitions Corp 3/22/2001 - 12/31/2003 Peak Operating Co. 1/1/2003 -	
82	225753	VER PSH SCH BD A	047-D	6608	3/22/2001		Reverted to Single Completion	Resource Acquisitions Corp 3/22/2001 - 12/31/2004 Peak Operating Co. 1/1/2003 -	
83	227840*	VER PSH SCH BD A	49	6784	3/7/2003	NONE	Active - Producing	Peak Operating Co. 3/7/2003 -	
84	228037*	VER PSH SCH BD A	049-D	6784	3/7/2003		Reverted to Single Completion	Peak Operating Co. 3/7/2003 -	
85	233657*	VER PSH SCH BD A	50	10150	8/3/2006	NONE	Active - Producing	Peak Operating Co. 8/3/2006 -	
86	238781*	VER PSH SCH BD A	51	11323	10/1/2008	NONE	Active - Producing	Peak Operating Co. 10/1/2008 -	
87	970681	VERMILION PSH SCHOOL BD A SWD	38	1867	8/18/1981	9/2/1981	Dry and Plugged	Union Expl. Partners Ltd. 8/18/1981 - 9/2/1981	
88	970723	VERMILION PARISH SCH BD A SWD	37	2040	4/12/1981	10/10/1994	Plugged and Abandoned	Union Expl. Partners Ltd. 4/12/1981 - 8/1/1990 UNOCAL Exploration Corp 8/1/1990 - 5/1/1992 Union Oil Co of California 5/1/1992 - 10/10/1994	1984
89	971154	VERMILION PSH SCH BOARD A SWD	39	2152	10/2/1983	2/6/1995	Plugged and Abandoned	Union Expl. Partners Ltd. 10/2/1983 - 8/1/1990 UNOCAL Exploration Corp 8/1/1990 - 5/1/1992 Union Oil Co of California 5/1/1992 - 2/6/1995	1984
90	972569*	VER PSH SCH BD A SWD	43	0		NA	Permit Expired	Resource Acquisitions Corp 5/1/1995 -	

Notes:
All data obtained from LDNR SONRIS database
* Indicates wells with associated pits

Table 3
Soil/Sediment Analytical Data

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

			Metals (mg/kg As-received)																								SPLP Metals (mg/L)							
		Constituent	Arsenic		Barium		True Total Barium		Cadmium		Chromium		Lead		Mercury		Selenium		Silver		Sodium		Strontium		Zinc		Barium		Chromium		Lead		Mercury	
		Sampler	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
Standards		**RECAP Soil_SSni**	12		550		NS		3.9		12000		400		2.3		3.9		NS		NS		NS		2300		NS		NS		NS		NS	
		RECAP SoilGW2	100		2000		NS		20		100		100		4		20		NS		NS		NS		2800		NS		NS		NS		NS	
		29-B	10	10	NS	NS	20000	20000	10	10	500	500	500	500	10	10	10	10	NS	NS	NS	NS	NS	NS	500	500	NS		NS		NS		NS	
Boring ID	**Interval (ft bls)**	**Date**																																
B2	2-4	08/08/06	3.1326	-	814.93	-	-	-	0.18387	-	-	-	10.896	-	-	-	ND	-	-	-	-	-	53.118	-	-	-	-	-	-	-	-	-	-	-
	4-6	08/08/06	1.56247	-	158.457	-	-	-	0.146744	-	-	-	7.956	-	-	-	ND	-	-	-	-	-	26.299	-	-	-	-	-	-	-	-	-	-	-
	6-8	08/08/06	1.4204	-	41.138	-	-	-	0.14338	-	-	-	1.34	-	-	-	ND	-	-	-	-	-	11.6446	-	-	-	-	-	-	-	-	-	-	-
	10-10.5	08/08/06	28.236	-	151.316	-	-	-	0.81088	-	-	-	23.3852	-	-	-	ND	-	-	-	-	-	11.1496	-	-	-	-	-	-	-	-	-	-	-
B3	4-7	08/09/06	8.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9-12	08/09/06	3.5636	-	61.36	-	-	-	0.230808	-	-	-	8.6848	-	-	-	ND	-	-	-	-	-	16.4728	-	-	-	-	-	-	-	-	-	-	-
B4	0-1	08/09/06	2.16	-	136.296	-	-	-	0.16632	-	-	-	6.1992	-	-	-	ND	-	-	-	-	-	12.8088	-	-	-	-	-	-	-	-	-	-	-
	3-5	08/09/06	3.1825	-	65.55	-	-	-	0.212325	-	-	-	7.9325	-	-	-	ND	-	-	-	-	-	19	-	-	-	-	-	-	-	-	-	-	-
	5-8	08/09/06	0.813	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B5	0-1.5	08/09/06	1.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-5.5	08/09/06	1.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-10	08/09/06	2.51692	-	64.64	-	-	-	0.185032	-	-	-	5.4136	-	-	-	ND	-	-	-	-	-	15.15	-	-	-	-	-	-	-	-	-	-	-
B6	1.5-3	08/09/06	1.94909	-	82.94	-	-	-	0.133081	-	-	-	6.4844	-	-	-	ND	-	-	-	-	-	29.3683	-	-	-	-	-	-	-	-	-	-	-
	3-10.5	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B7	1-4	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-5	08/09/06	3.63	-	62.04	-	-	-	0.209	-	-	-	7.348	-	-	-	ND	-	-	-	-	-	30.756	-	-	-	-	-	-	-	-	-	-	-
	8-11	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B8	5.5-7	08/09/06	3.3288	-	76.65	-	-	-	0.167316	-	-	-	7.446	-	-	-	ND	-	-	-	-	-	25.0974	-	-	-	-	-	-	-	-	-	-	-
	9.5-11.5	08/09/06	4.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B9	0-0.5	08/09/06	2.09152	-	94.208	-	-	-	0.164864	-	-	-	5.9136	-	-	-	ND	-	-	-	-	-	16.4096	-	-	-	-	-	-	-	-	-	-	-
	0.5-3.5	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7-8	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-9	08/09/06	18.2	-	195.19	-	-	-	0.549545	-	-	-	10.5455	-	-	-	ND	-	-	-	-	-	15.327	-	-	-	-	-	-	-	-	-	-	-
B10	1.5-4	08/09/06	2.14	-	51.6	-	-	-	0.0912	-	3.7	-	3.93	-	-	-	<0.596	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-7.5	08/09/06	3.10835	-	101.65	-	-	-	0.30067	-	-	-	9.202	-	-	-	ND	-	-	-	-	-	23.433	-	-	-	-	-	-	-	-	-	-	-
B12	0-1.5	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3.5-5	08/10/06	3.86064	-	46.6704	-	-	-	0.271656	-	-	-	9.9792	-	-	-	ND	-	-	-	-	-	24.8472	-	-	-	-	-	-	-	-	-	-	-
	6.5-7.5	08/10/06	3.69904	-	122.796	-	-	-	2.6151	-	-	-	12.4312	-	-	-	ND	-	-	-	-	-	11.5974	-	-	-	-	-	-	-	-	-	-	-
B13	3-5	08/10/06	2.04336	-	59.125	-	-	-	0.200552	-	-	-	7.568	-	-	-	ND	-	-	-	-	-	20.812	-	-	-	-	-	-	-	-	-	-	-
	7.5-9.5	08/18/06	16.1	-	184.87	-	-	-	0.51013	-	-	-	11.4675	-	-	-	ND	-	-	-	-	-	11.4675	-	-	-	-	-	-	-	-	-	-	-
B14	0-1	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-8	08/10/06	2.0501	-	57.798	-	-	-	0.129428	-	-	-	6.8172	-	-	-	ND	-	-	-	-	-	21.983	-	-	-	-	-	-	-	-	-	-	-
B15	4-6	08/10/06	2.64389	-	51.956	-	-	-	0.173047	-	-	-	5.5308	-	-	-	ND	-	-	-	-	-	28.4082	-	-	-	-	-	-	-	-	-	-	-
	8-11.5	08/10/06	3.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B17	0-3	08/10/06	1.47	-	86.1	-	-	-	0.0448	-	2.26	-	2.34	-	-	-	<0.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-6	08/10/06	4.7136	-	104.092	-	-	-	0.168904	-	-	-	11.784	-	-	-	ND	-	-	-	-	-	25.0901	-	-	-	-	-	-	-	-	-	-	-
	8.5-10.5	08/10/06	3.01	-	61.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10.5-12	08/10/06	2.4992	-	74.51	-	-	-	0.17	-	-	-	7.61475	-	-	-	ND	-	-	-	-	-	43.1112	-	-	-	-	-	-	-	-	-	-	-
B18	2-4	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-5	08/10/06	1.88734	-	44.835	-	-	-	0.129808	-	-	-	6.7466	-	-	-	ND	-	-	-	-	-	22.6737	-	-	-	-	-	-	-	-	-	-	-
	7.5-10	08/10/06	2.51246	-	51.0562	-	-	-	0.15871	-	-	-	8.3928	-	-	-	ND	-	-	-	-	-	16.5166	-	-	-	-	-	-	-	-	-	-	-
	10-11.5	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B19	1-2.5	08/10/06	1.93	-	124	-	-	-	0.0524	-	-	-	-	-	-	-	<0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2.5-4	08/10/06	2.46	-	37.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6.5	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6.5-9.5	08/10/06	3.58656	-	81.725	-	-	-	0.171856	-	-	-	6.5847	-	-	-	ND	-	-	-	-	-	18.2597	-	-	-	-	-	-	-	-	-	-	-
B20	1-3	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-4.5	08/10/06	2.93862	-	74.772	-	-	-	0.149946	-	-	-	6.231	-	-	-	ND	-	-	-	-	-	15.5574	-	-	-	-	-	-	-	-	-	-	-
	7.5-10	08/10/06	2.7798	-	41.2224	-	-	-	0.184416	-	-	-	6.5088	-	-	-	ND	-	-	-	-	-	19.662	-	-	-	-	-	-	-	-	-	-	-
B21	0-2	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4	08/10/06	3.87863	-	65.191	-	-	-	0.165557	-	-	-	7.9261	-	-	-	ND	-	-	-	-	-	22.3713	-	-	-	-	-	-	-	-	-	-	-
	6-8	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS1	0-2.1	04/25/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2.1-2.5	04/25/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS2	0-1	04/25/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1-1.5	04/25/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS3	0-0.6	04/25/06	3.27867	-	596.8	-	-	-	-	-	6.6767	-	10.7424	-	-	-	-	-	-	-	-	-	27.7139	-	34.5025	-	-	-	-	-	-	-	-	-
	0.6-2.2	04/25/06	4.4363	-	948.31	-	-	-	-	-	6.6748	-	11.0704	-	-	-	-	-	-	-	-	-	39.1127	-	30.8913	-	-	-	-	-	-	-	-	-
	2.2-2.6	04/25/06	3.31545	-	555.45	-	-	-	-	-	2.46675	-	4.5885	-	-	-	-	-	-	-	-	-	30.0495	-	16.4565	-	-	-	-	-	-	-	-	-
SS4	0-0.6	04/26/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.6-2.7	04/26/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2.7-3.8	04/26/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS5	0-2.15	04/26/06	4.845	-	3166.25	-	-	-	-	-	9.265	-	49.725	-	-	-	-	-	-	-	-	-	59.5	-	73.95	-	117	-	-	-	-	-	-	-
SS6	0-1.65	04/26/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1.65-2.5	04/26/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes are found on page 40

Table 3
Soil/Sediment Analytical Data

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

			Salts and Miscellaneous																													
		Constituent	Electrical Conductivity (mmhos/cm)		Exchangeable Sodium Percentage (%)		Sodium Adsorption Ratio		Soluble Calcium (meq/L)		Soluble Magnesium (meq/L)		Soluble Sodium (meq/L)		Cation Exchange Capacity (meq/100g)		Chlorides (mg/kg)		Sulfate (mg/L)		Bromide (mg/L)		SPLP Chloride (mg/L)		Leachate Chloride (mg/L)		Total Organic Carbon (mg/kg)		pH (S.U.)		Percent Moisture (%)	
		Sampler	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
	Standards	**RECAP Soil_SSni**	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
		RECAP SoilGW2	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
		29-B	NS		NS		NS		NS		NS		NS		NS		500		NS		NS		NS		NS		NS		6-9		NS	
Boring ID	**Interval (ft bls)**	**Date**																														
B2	2-4	08/08/06	4.36	-	-	-	-	-	-	-	-	-	-	-	-	-	1280	-	-	-	-	-	-	-	-	-	-	-	-	-	77.3	-
	4-6	08/08/06	6.84	-	-	-	-	-	-	-	-	-	-	-	-	-	2700	-	-	-	-	-	-	-	-	-	-	-	-	-	77.9	-
	6-8	08/08/06	7.73	-	-	-	-	-	-	-	-	-	-	-	-	-	2400	-	-	-	-	-	-	-	-	-	-	-	-	-	86.6	-
	10-10.5	08/08/06	2.88	-	-	-	-	-	-	-	-	-	-	-	-	-	255	-	-	-	-	-	-	-	-	-	-	-	-	-	27.6	-
B3	4-7	08/09/06	13.2	-	-	-	-	-	-	-	-	-	-	-	-	-	4150	-	-	-	-	-	-	-	-	-	-	-	-	-	70.5	-
	9-12	08/09/06	5.57	-	-	-	-	-	-	-	-	-	-	-	-	-	2250	-	-	-	-	-	-	-	-	-	-	-	-	-	52.8	-
B4	0-1	08/09/06	18.9	-	-	-	-	-	-	-	-	-	-	-	-	-	10000	-	-	-	-	-	-	-	-	-	-	-	-	-	78.4	-
	3-5	08/09/06	8.29	-	-	-	-	-	-	-	-	-	-	-	-	-	2850	-	-	-	-	-	-	-	-	-	-	-	-	-	52.5	-
	5-8	08/09/06	12.7	-	-	-	-	-	-	-	-	-	-	-	-	-	5200	-	-	-	-	-	-	-	-	-	-	-	-	-	82.6	-
B5	0-1.5	08/09/06	12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	5800	-	-	-	-	-	-	-	-	-	-	-	-	-	71	-
	4-5.5	08/09/06	7.07	-	-	-	-	-	-	-	-	-	-	-	-	-	2300	-	-	-	-	-	-	-	-	-	-	-	-	-	58.5	-
	8-10	08/09/06	9.01	-	-	-	-	-	-	-	-	-	-	-	-	-	3550	-	-	-	-	-	-	-	-	-	-	-	-	-	59.6	-
B6	1.5-3	08/09/06	8.51	-	-	-	-	-	-	-	-	-	-	-	-	-	3950	-	-	-	-	-	-	-	-	-	-	-	-	-	62.3	-
	3-10.5	08/09/06	5.17	-	-	-	-	-	-	-	-	-	-	-	-	-	1380	-	-	-	-	-	-	-	-	-	-	-	-	-	46.6	-
B7	1-4	08/09/06	8.14	-	-	-	-	-	-	-	-	-	-	-	-	-	4050	-	-	-	-	-	-	-	-	-	-	-	-	-	84	-
	4-5	08/09/06	12.9	-	-	-	-	-	-	-	-	-	-	-	-	-	2250	-	-	-	-	-	-	-	-	-	-	-	-	-	56	-
	8-11	08/09/06	2.85	-	-	-	-	-	-	-	-	-	-	-	-	-	440	-	-	-	-	-	-	-	-	-	-	-	-	-	28.7	-
B8	5.5-7	08/09/06	10.9	-	-	-	-	-	-	-	-	-	-	-	-	-	4150	-	-	-	-	-	-	-	-	-	-	-	-	-	56.2	-
	9.5-11.5	08/09/06	6.97	-	-	-	-	-	-	-	-	-	-	-	-	-	2700	-	-	-	-	-	-	-	-	-	-	-	-	-	32.9	-
B9	0-0.5	08/09/06	13.4	-	-	-	-	-	-	-	-	-	-	-	-	-	7390	-	-	-	-	-	-	-	-	-	-	-	-	-	74.4	-
	0.5-3.5	08/09/06	16.7	-	-	-	-	-	-	-	-	-	-	-	-	-	6950	-	-	-	-	-	-	-	-	-	-	-	-	-	71.1	-
	7-8	08/09/06	7.41	-	-	-	-	-	-	-	-	-	-	-	-	-	1160	-	-	-	-	-	-	-	-	-	-	-	-	-	54.4	-
	8-9	08/09/06	3.77	-	-	-	-	-	-	-	-	-	-	-	-	-	240	-	-	-	-	-	-	-	-	-	-	-	-	-	34.5	-
B10	1.5-4	08/09/06	7.34	-	-	-	-	-	-	-	-	-	-	-	-	-	2700	-	-	-	-	-	-	-	-	-	-	-	-	-	70.2	-
	4-7.5	08/09/06	8.07	-	-	-	-	-	-	-	-	-	-	-	-	-	1300	-	-	-	-	-	-	-	-	-	-	-	-	-	46.5	-
B12	0-1.5	08/10/06	11.4	-	-	-	-	-	-	-	-	-	-	-	-	-	7360	-	-	-	-	-	-	-	-	-	-	-	-	-	76.8	-
	3.5-5	08/10/06	8.33	-	-	-	-	-	-	-	-	-	-	-	-	-	1200	-	-	-	-	-	-	-	-	-	-	-	-	-	49.6	-
	6.5-7.5	08/10/06	6.55	-	-	-	-	-	-	-	-	-	-	-	-	-	690	-	-	-	-	-	-	-	-	-	-	-	-	-	24.2	-
B13	3-5	08/10/06	8.2	-	-	-	-	-	-	-	-	-	-	-	-	-	1090	-	-	-	-	-	-	-	-	-	-	-	-	-	52.7	-
	7.5-9.5	08/18/06	5.22	-	-	-	-	-	-	-	-	-	-	-	-	-	340	-	-	-	-	-	-	-	-	-	-	-	-	-	30.5	-
B14	0-1	08/10/06	6.79	-	-	-	-	-	-	-	-	-	-	-	-	-	2750	-	-	-	-	-	-	-	-	-	-	-	-	-	50.2	-
	4-8	08/10/06	5.1	-	-	-	-	-	-	-	-	-	-	-	-	-	1050	-	-	-	-	-	-	-	-	-	-	-	-	-	50.6	-
B15	4-6	08/10/06	6.2	-	-	-	-	-	-	-	-	-	-	-	-	-	2050	-	-	-	-	-	-	-	-	-	-	-	-	-	58.1	-
	8-11.5	08/10/06	21.1	-	-	-	-	-	-	-	-	-	-	-	-	-	18000	-	-	-	-	-	-	-	1310	-	-	-	-	-	48.1	-
B17	0-3	08/10/06	16.7	-	-	-	-	-	-	-	-	-	-	-	-	-	7950	-	-	-	-	-	-	-	-	-	-	-	-	-	81	-
	3-6	08/10/06	19.2	-	-	-	-	-	-	-	-	-	-	-	-	-	5700	-	-	-	-	-	-	-	-	-	-	-	-	-	50.9	-
	8.5-10.5	08/10/06	34.5	-	-	-	-	-	-	-	-	-	-	-	-	-	35800	-	-	-	-	-	-	-	4790	-	-	-	-	-	58.7	-
	10.5-12	08/10/06	24.7	-	-	-	-	-	-	-	-	-	-	-	-	-	7950	-	-	-	-	-	-	-	-	-	-	-	-	-	21.9	-
B18	2-4	08/10/06	11.6	-	-	-	-	-	-	-	-	-	-	-	-	-	1850	-	-	-	-	-	-	-	-	-	-	-	-	-	53.5	-
	4-5	08/10/06	8.1	-	-	-	-	-	-	-	-	-	-	-	-	-	1850	-	-	-	-	-	-	-	-	-	-	-	-	-	57.3	-
	7.5-10	08/10/06	12.9	-	-	-	-	-	-	-	-	-	-	-	-	-	1800	-	-	-	-	-	-	-	-	-	-	-	-	-	46.2	-
	10-11.5	08/10/06	7.39	-	-	-	-	-	-	-	-	-	-	-	-	-	1950	-	-	-	-	-	-	-	-	-	-	-	-	-	56.7	-
B19	1-2.5	08/10/06	11.4	-	-	-	-	-	-	-	-	-	-	-	-	-	5050	-	-	-	-	-	-	-	-	-	-	-	-	-	87.5	-
	2.5-4	08/10/06	6.8	-	-	-	-	-	-	-	-	-	-	-	-	-	5710	-	-	-	-	-	-	-	-	-	-	-	-	-	83.9	-
	4-6.5	08/10/06	5.67	-	-	-	-	-	-	-	-	-	-	-	-	-	1270	-	-	-	-	-	-	-	-	-	-	-	-	-	82.5	-
	6.5-9.5	08/10/06	8.28	-	-	-	-	-	-	-	-	-	-	-	-	-	2350	-	-	-	-	-	-	-	-	-	-	-	-	-	53.3	-
B20	1-3	08/10/06	7	-	-	-	-	-	-	-	-	-	-	-	-	-	2400	-	-	-	-	-	-	-	-	-	-	-	-	-	78.4	-
	3-4.5	08/10/06	7.82	-	-	-	-	-	-	-	-	-	-	-	-	-	2250	-	-	-	-	-	-	-	-	-	-	-	-	-	59.8	-
	7.5-10	08/10/06	6.59	-	-	-	-	-	-	-	-	-	-	-	-	-	1900	-	-	-	-	-	-	-	-	-	-	-	-	-	54.8	-
B21	0-2	08/10/06	10.7	-	-	-	-	-	-	-	-	-	-	-	-	-	3700	-	-	-	-	-	-	-	-	-	-	-	-	-	76.4	-
	2-4	08/10/06	5.08	-	-	-	-	-	-	-	-	-	-	-	-	-	940	-	-	-	-	-	-	-	-	-	-	-	-	-	53.1	-
	6-8	08/10/06	1.79	-	-	-	-	-	-	-	-	-	-	-	-	-	360	-	-	-	-	-	-	-	-	-	-	-	-	-	33.2	-
SS1	0-2.1	04/25/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1950	-	-	-	-	-	-	-	-	-	-	-	-	-	62.6	-
	2.1-2.5	04/25/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1150	-	-	-	-	-	-	-	-	-	-	-	-	-	63.7	-
SS2	0-1	04/25/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1600	-	-	-	-	-	-	-	-	-	-	-	-	-	53.5	-
	1-1.5	04/25/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2050	-	-	-	-	-	-	-	-	-	-	-	-	-	78.9	-
SS3	0-0.6	04/25/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	825	-		-		-	-	-	-	-	-	-	-	-	62.7	-
	0.6-2.2	04/25/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1050	-	310	-	ND	-	-	-	-	-	-	-	-	-	59.3	-
	2.2-2.6	04/25/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1000	-		-		-	-	-	-	-	-	-	-	-	65.5	-
SS4	0-0.6	04/26/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3850	-		-		-	-	-	-	-	-	-	-	-	75	-
	0.6-2.7	04/26/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1800	-		-		-	-	-	-	-	-	-	-	-	68.8	-
	2.7-3.8	04/26/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5550	-		-		-	-	-	-	-	-	-	-	-	83.1	-
SS5	0-2.15	04/26/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1430	-	142	-	ND	-	-	-	-	-	-	-	-	-	57.5	-
SS6	0-1.65	04/26/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-	-	70.8	-
	1.65-2.5	04/26/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-	-	78.5	-

Notes are found on page 40

Table 3
Soil/Sediment Analytical Data

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

			Hydrocarbons (mg/kg as-received)																											
		Constituent	Oil and Grease (%)		TPH-DRO		TPH-ORO		TPH-GRO		Aliphatic C6-C8		Aliphatic >C8-C10		Aliphatic >C10-C12		Aliphatic >C12-C16		Aliphatic >C16-C35		Aromatic >C8-C10		Aromatic >C10-C12		Aromatic C12-C16		Aromatic >C16-C21		Aromatic >C21-C35	
		Sampler	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
		RECAP Soil_SSni	NS		65		180		65		1200		120		230		370		7100		65		120		180		150		180	
	Standards	**RECAP SoilGW2**	NS		65		10000		65		10000		5300		10000		10000		10000		65		100		200		2100		10000	
		29-B	1		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Boring ID	**Interval (ft bls)**	**Date**																												
B2	2-4	08/08/06	-	-	233	-	191	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6	08/08/06	-	-	140	-	113	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6-8	08/08/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-10.5	08/08/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B3	4-7	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9-12	08/09/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B4	0-1	08/09/06	-	-	440	-	347	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-5	08/09/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5-8	08/09/06	-	-	<10	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B5	0-1.5	08/09/06	-	-	112	-	139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-5.5	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-10	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B6	1.5-3	08/09/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-10.5	08/09/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B7	1-4	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-5	08/09/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-11	08/09/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B8	5.5-7	08/09/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9.5-11.5	08/09/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B9	0-0.5	08/09/06	-	-	13.2	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.5-3.5	08/09/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7-8	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-9	08/09/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B10	1.5-4	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-7.5	08/09/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B12	0-1.5	08/10/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3.5-5	08/10/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6.5-7.5	08/10/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B13	3-5	08/10/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7.5-9.5	08/18/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B14	0-1	08/10/06	-	-	12.4	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-8	08/10/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B15	4-6	08/10/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-11.5	08/10/06	-	-	<10	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B17	0-3	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-6	08/10/06	-	-	<10	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8.5-10.5	08/10/06	-	-	<10	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10.5-12	08/10/06	-	-	<10	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B18	2-4	08/10/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-5	08/10/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7.5-10	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-11.5	08/10/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B19	1-2.5	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2.5-4	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6.5	08/10/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6.5-9.5	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B20	1-3	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-4.5	08/10/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7.5-10	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B21	0-2	08/10/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4	08/10/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6-8	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS1	0-2.1	04/25/06	-	-	41.14	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2.1-2.5	04/25/06	-	-	16.698	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS2	0-1	04/25/06	-	-	106.95	-	78.585	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1-1.5	04/25/06	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS3	0-0.6	04/25/06	-	-	45.133	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.6-2.2	04/25/06	-	-	46.805	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2.2-2.6	04/25/06	-	-	44.16	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS4	0-0.6	04/26/06	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.6-2.7	04/26/06	-	-	16.536	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2.7-3.8	04/26/06	-	-	12.168	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS5	0-2.15	04/26/06	-	-	78.625	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS6	0-1.65	04/26/06	-	-	25.988	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1.65-2.5	04/26/06	-	-	11.61	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes are found on page 40

Table 3
Soil/Sediment Analytical Data

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

			PAHs (mg/kg)																															
		Constituent	2-methylnaphthalene		Acenaphthene		Acenaphthylene		Anthracene		Benzo(a)anthracene		Benzo(a)pyrene		Benzo(b)fluoranthene		Benzo(k)fluoranthene		Chrysene		Dibenz(a,h)anthracene		Fluoranthene		Fluorene		Indeno(1,2,3-cd)pyrene		Naphthalene		Phenanthrene		Pyrene	
		Sampler	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
	Standards	**RECAP Soil_SSni**	22		370		350		2200		0.62		0.33		0.62		0.62		62		0.33		220		280		0.62		6.2		2100		230	
		RECAP SoilGW2	1.7		220		88		88		3.9		23		13		120		76		76		1200		230		9.2		0.9		660		1100	
		29-B	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Boring ID	**Interval (ft bls)**	**Date**																																
B2	2-4	08/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6	08/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6-8	08/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-10.5	08/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B3	4-7	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9-12	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B4	0-1	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-5	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5-8	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B5	0-1.5	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-5.5	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-10	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B6	1.5-3	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-10.5	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B7	1-4	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-5	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-11	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B8	5.5-7	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9.5-11.5	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B9	0-0.5	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.5-3.5	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7-8	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-9	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B10	1.5-4	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-7.5	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B12	0-1.5	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3.5-5	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6.5-7.5	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B13	3-5	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7.5-9.5	08/18/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B14	0-1	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-8	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B15	4-6	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-11.5	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B17	0-3	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-6	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8.5-10.5	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10.5-12	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B18	2-4	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-5	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7.5-10	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-11.5	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B19	1-2.5	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2.5-4	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6.5	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6.5-9.5	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B20	1-3	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-4.5	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7.5-10	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B21	0-2	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6-8	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS1	0-2.1	04/25/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2.1-2.5	04/25/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS2	0-1	04/25/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1-1.5	04/25/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS3	0-0.6	04/25/06	<0.885	-		-		-		-		-		-		-		-		-		-	<0.885	-	<0.885	-		-		-	<0.885	-		-
	0.6-2.2	04/25/06	<0.885	-		-		-		-		-		-		-		-		-		-	<0.885	-	<0.885	-		-		-	<0.885	-		-
	2.2-2.6	04/25/06	<0.957	-		-		-		-		-		-		-		-		-		-	<0.957	-	<0.957	-		-		-	<0.957	-		-
SS4	0-0.6	04/26/06		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-
	0.6-2.7	04/26/06		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-
	2.7-3.8	04/26/06		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-
SS5	0-2.15	04/26/06	<0.776	-		-		-		-		-		-		-		-		-		-	<0.776	-	<0.776	-		-		-	<0.776	-		-
SS6	0-1.65	04/26/06		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-
	1.65-2.5	04/26/06		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-

Table 3
Soil/Sediment Analytical Data

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

			Volatile Organics (mg/kg)								Radionuclides						PCBs (mg/kg as received)															
		Constituent	Benzene		Ethylbenzene		Toluene		Xylene		Radium 226		Radium 228		Radium 226/228		Total PCBs	Aroclor-1016		Aroclor-1221		Aroclor-1232		Aroclor-1242		Aroclor-1248		Aroclor-1254		Aroclor-1260	
		Sampler	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
	Standards	**RECAP Soil_SSni**	1.5		160		68		18		68		18		18		0.11	NS		NS		NS		NS		NS		NS		NS	
		RECAP SoilGW2	0.051		19		20		180		20		180		180		19	NS		NS		NS		NS		NS		NS		NS	
		29-B	NS		NS		NS		NS		NS		NS		NS		NS	NS		NS		NS		NS		NS		NS		NS	
Boring ID	**Interval (ft bls)**	**Date**																														
B2	2-4	08/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6	08/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6-8	08/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-10.5	08/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B3	4-7	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9-12	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B4	0-1	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-5	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5-8	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B5	0-1.5	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-5.5	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-10	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B6	1.5-3	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-10.5	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B7	1-4	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-5	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-11	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B8	5.5-7	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9.5-11.5	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B9	0-0.5	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.5-3.5	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7-8	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-9	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B10	1.5-4	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-7.5	08/09/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B12	0-1.5	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3.5-5	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6.5-7.5	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B13	3-5	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7.5-9.5	08/18/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B14	0-1	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-8	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B15	4-6	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-11.5	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B17	0-3	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-6	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8.5-10.5	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10.5-12	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B18	2-4	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-5	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7.5-10	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-11.5	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B19	1-2.5	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2.5-4	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6.5	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6.5-9.5	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B20	1-3	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-4.5	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7.5-10	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B21	0-2	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6-8	08/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS1	0-2.1	04/25/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2.1-2.5	04/25/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS2	0-1	04/25/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1-1.5	04/25/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS3	0-0.6	04/25/06	<0.107	-	<0.670	-	<0.670	-	<2.01	-	3.2	1.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.6-2.2	04/25/06	<0.0983	-	<0.614	-	<0.614	-	<1.84	-	2.89	1.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2.2-2.6	04/25/06	<0.116	-	<0.725	-	<0.725	-	<2.17	-	2.04	1.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS4	0-0.6	04/26/06		-		-		-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.6-2.7	04/26/06		-		-		-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2.7-3.8	04/26/06		-		-		-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS5	0-2.15	04/26/06	<0.0941	-	<0.588	-	<0.588	-	<1.76	-	0.64	1.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS6	0-1.65	04/26/06		-		-		-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1.65-2.5	04/26/06		-		-		-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes are found on page 40

Table 3
Soil/Sediment Analytical Data

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

			Metals (mg/kg As-received)																								SPLP Metals (mg/L)							
		Constituent	Arsenic		Barium		True Total Barium		Cadmium		Chromium		Lead		Mercury		Selenium		Silver		Sodium		Strontium		Zinc		Barium		Chromium		Lead		Mercury	
		Sampler	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
	Standards	**RECAP Soil_SSni**	12		550		NS		3.9		12000		400		2.3		3.9		NS		NS		NS		2300		NS		NS		NS		NS	
		RECAP SoilGW2	100		2000		NS		20		100		100		4		20		NS		NS		NS		2800		NS		NS		NS		NS	
		29-B	10	10	NS	NS	20000	20000	10	10	500	500	500	500	10	10	10	10	NS	NS	NS	NS	NS	NS	500	500	NS		NS		NS		NS	
Boring ID	**Interval (ft bls)**	**Date**																																
SS7	0-1.4	04/26/06	6.226	-	4443.1	-	-	-	-	-	5.66	-	19.1025	-	-	-	-	-	-	-	-	-	65.373	-	31.413	-	15700	-	-	-	67.5	-	-	-
	1.4-2.5	04/26/06	8.2345	-	5170.5	-	-	-	-	-	5.0939	-	44.811	-	-	-	-	-	-	-	-	-	129.071	-	37.5723	-	13500	-	-	-	117	-	-	-
	2.5-3.5	04/26/06	3.0667	-	1273.86	-	-	-	-	-	2.7971	-	6.74	-	-	-	-	-	-	-	-	-	43.81	-	21.2647	-	3780	-	-	-	20	-	-	-
SS8	0-1.9	04/27/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1.9-2.3	04/27/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0-2	02/26/10	2.9232	2.85	313.56	376	-	1790	0.19368	0.063	5.688	1.79	8.82	12.7	0.3096	0.59	ND	0.41	-	-	-	-	23.508	26.9	-	-	-	-	-	-	-	-	0.033	-
	2-4'	02/26/10	3.01977	2.47	380.77	379	-	2060	0.201318	0.13	6.4467	1.46	15.457	9.72	0.176436	10.1	ND	0.55	-	-	-	-	28.7274	24.6	-	-	-	-	-	-	-	-	0.468	-
SS9	0-1.7	04/27/06	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1.7-3.2	04/27/06	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3.2-3.7	04/27/06	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS10	0-1.5	04/27/06	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1.5-2.5	04/27/06	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0-2	02/26/10	2.63384	1.97	276.504	301	-	1360	0.170232	0.094	4.8216	1.4	9.2824	7.04	0.090528	0.046	ND	0.4	-	-	-	-	21.4184	18.5	-	-	-	-	-	-	-	-	-	-
	2-4'	02/26/10	2.87226	2.51	357.358	381	-	2030	ND	0.12	5.9494	1.77	12.0564	9.15	0.144992	0.12	ND	0.55	-	-	-	-	36.1692	31.9	-	-	-	-	-	-	-	-	-	-
SS11	0-2.5	04/27/06	3.73824	-	1947	-	-	-	-	-	17.7708	-	45.0288	-	-	-	-	-	-	-	-	-	45.8784	-	137.352	-	2750	-	-	-	-	-	-	-
	2.5-3.4	04/27/06	4.82534	-	1202.18	-	-	-	-	-	10.1382	-	19.6116	-	-	-	-	-	-	-	-	-	44.4308	-	66.48	-	2170	-	-	-	-	-	-	-
	3.4-3.7	04/27/06	3.0942	-	193.32	-	-	-	-	-	8.964	-	9.504	-	-	-	-	-	-	-	-	-	34.128	-	41.634	-	-	-	-	-	-	-	-	-
SS12	0-3.7	04/27/06	3.34414	-	1100.26	-	-	-	-	-	6.8834	-	27.0458	-	-	-	-	-	-	-	-	-	39.5118	-	39.837	-	-	-	-	-	-	-	-	-
SS13	0-1	04/28/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1-2.75	04/28/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2.75-3.2	04/28/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS14	0-0.8	04/28/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.8-1.7	04/28/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS15	0-3	04/28/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-3.25	04/28/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB1	0-3	11/13/06	1.38646	-	46.517	-	-	-	0.073486	-	2.3349	-	3.2218	-	-	-	-	-	-	-	-	-	19.186	-	8.3984	-	-	-	-	-	-	-	-	-
	3-6	11/13/06	1.83012	-	36.057	-	-	-	0.073326	-	3.7875	-	4.0602	-	-	-	-	-	-	-	-	-	21.1797	-	11.1807	-	-	-	-	-	-	-	-	-
	6-8	10/30/06	2.45009	-	39.1216	-	-	-	0.096307	-	-	-	7.6347	-	0.037425	-	ND	-	-	-	838.32	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	10/30/06	2.72436	-	114.448	-	-	-	0.078372	-	-	-	9.952	-	0.0420472	-	ND	-	-	-	746.4	-	-	-	-	-	-	-	-	-	-	-	-	-
	22-24	10/30/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	30-32	10/30/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	34-36	10/30/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	40-42	10/30/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB2	0-3'	11/13/06	1.10016	-	35.568	-	-	-	0.045504	-	1.7856	-	2.2608	-	-	-	-	-	-	-	-	-	12.5568	-	6.6096	-	-	-	-	-	-	-	-	-
	3-6'	11/13/06	2.03376	-	35.68	-	-	-	0.061771	-	2.7206	-	3.122	-	-	-	-	-	-	-	-	-	20.3376	-	8.9423	-	-	-	-	-	-	-	-	-
	4-6	10/31/06	3.4925	-	36.96	-	-	-	0.0616	-	-	-	7.095	-	-	-	-	-	-	-	632.5	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	10/31/06	5.083	-	74.75	-	-	-	0.105248	-	-	-	8.4318	-	-	-	-	-	-	-	765.44	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	10/31/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-20	10/31/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	22-24	10/31/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB3	0-3'	11/13/06	1.118	-	47.988	-	-	-	0.053664	-	2.494	-	3.612	-	-	-	-	-	-	-	-	-	10.9908	-	8.0496	-	-	-	-	-	-	-	-	-
	3-6'	11/13/06	2.55446	-	46.238	-	-	-	0.098161	-	5.0407	-	5.7987	-	-	-	-	-	-	-	-	-	22.6642	-	17.3961	-	-	-	-	-	-	-	-	-
	4-6	11/01/06	3.1512	-	43.368	-	-	-	0.07644	-	-	-	6.448	-	-	-	-	-	-	-	556.4	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-10	11/01/06	2.72076	-	44.2242	-	-	-	0.09006	-	-	-	6.2094	-	-	-	-	-	-	-	530.88	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/01/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-20	11/01/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB4	0-3'	11/13/06	1.39	-	3.1553	-	-	-	0.049484	-	1.25378	-	1.7514	-	-	-	-	-	-	-	-	-	13.9	-	5.6851	-	-	-	-	-	-	-	-	-
	3-6'	11/13/06	2.37969	-	32.3457	-	-	-	0.078501	-	5.8773	-	6.6993	-	-	-	-	-	-	-	-	-	21.8652	-	18.8238	-	-	-	-	-	-	-	-	-
	4-6	11/01/06	1.30074	-	26.1452	-	-	-	0.040424	-	-	-	4.1402	-	-	-	ND	-	-	-	1141	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/01/06	0.92367	-	37.32	-	-	-	0.054736	-	-	-	2.82077	-	-	-	ND	-	-	-	858.36	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-20	11/01/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	26-28	11/01/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	36-38	11/01/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB5	0-6'	11/13/06	1.81503	-	76.153	-	-	-	0.068628	-	2.35984	-	2.54646	-	-	-	-	-	-	-	-	-	71.337	-	6.1404	-	-	-	-	-	-	-	-	-
	4-6	11/02/06	2.0196	-	71.28	-	-	-	0.0666	-	-	-	3.672	-	-	-	ND	-	-	-	1695.6	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/02/06	3.73815	-	99.045	-	-	-	0.105435	-	-	-	7.9236	-	0.0506088	-	ND	-	-	-	3776.49	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/02/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-20	11/02/06	3.42881	-	105.996	-	-	-	ND	-	-	-	12.1253	-	-	-	ND	-	-	-	4512.86	-	-	-	-	-	-	-	-	-	-	-	-	-
AB6	8-10	11/03/06	8.1648	-	85.536	-	-	-	0.128952	-	-	-	10.5624	-	-	-	ND	-	-	-	2352.24	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/03/06	7.8012	-	161.54	-	-	-	0.166268	-	-	-	9.1408	-	-	-	ND	-	-	-	2931.36	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/03/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB7	6-8	11/03/06	2.0605	-	65	-	-	-	0.052	-	-	-	3.9975	-	-	-	ND	-	-	-	1917.5	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/03/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/03/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-20	11/03/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes are found on page 40

Table 3
Soil/Sediment Analytical Data

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

			Salts and Miscellaneous																													
		Constituent	Electrical Conductivity (mmhos/cm)		Exchangeable Sodium Percentage (%)		Sodium Adsorption Ratio		Soluble Calcium (meq/L)		Soluble Magnesium (meq/L)		Soluble Sodium (meq/L)		Cation Exchange Capacity (meq/100g)		Chlorides (mg/kg)		Sulfate (mg/L)		Bromide (mg/L)		SPLP Chloride (mg/L)		Leachate Chloride (mg/L)		Total Organic Carbon (mg/kg)		pH (S.U.)		Percent Moisture (%)	
		Sampler	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
	Standards	**RECAP Soil_SSni**	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
		RECAP SoilGW2	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
		29-B	NS		NS		NS		NS		NS		NS		NS		500		NS		NS		NS		NS		NS		6-9		NS	
Boring ID	**Interval (ft bls)**	**Date**																														
SS7	0-1.4	04/26/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	318	-	ND	-	-	-	-	-	-	-	-	-	71.7	-
	1.4-2.5	04/26/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-	-	61.7	-
	2.5-3.5	04/26/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-	-	66.3	-
SS8	0-1.9	04/27/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-	-	56.7	-
	1.9-2.3	04/27/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-	-	53.1	-
	0-2	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-	-	64	63.9
	2-4'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-	-	-	63.2
SS9	0-1.7	04/27/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-	-	61.7	-
	1.7-3.2	04/27/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-	-	61	-
	3.2-3.7	04/27/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-	-	50.7	-
SS10	0-1.5	04/27/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-	-	59.6	-
	1.5-2.5	04/27/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-	-	37.8	-
	0-2	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-	-	67.2	69.8
	2-4'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-	-	60.6	62.3
SS11	0-2.5	04/27/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	63.1	-	ND	-	-	-	-	-	-	-	-	-	29.2	-
	2.5-3.4	04/27/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	242	-	ND	-	-	-	-	-	-	-	-	-	44.6	-
	3.4-3.7	04/27/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	157	-	ND	-	-	-	-	-	-	-	-	-	46	-
SS12	0-3.7	04/27/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	220	-	ND	-	-	-	-	-	-	-	-	-	45.8	-
SS13	0-1	04/28/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65.8	-
	1-2.75	04/28/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	61.1	-
	2.75-3.2	04/28/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	78	-
SS14	0-0.8	04/28/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43..9	-
	0.8-1.7	04/28/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	77.4	-
SS15	0-3	04/28/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64.3	-
	3-3.25	04/28/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49.8	-
AB1	0-3	11/13/06	26.8	-	-	-	-	-	-	-	-	-	-	-	-	-	10500	-	-	-	-	-	-	-	-	-	-	-	-	-	81.9	-
	3-6	11/13/06	20.4	-	-	-	-	-	-	-	-	-	-	-	-	-	9000	-	-	-	-	-	-	-	-	-	-	-	-	-	69.7	-
	6-8	10/30/06	7.16	-	8.04	-	12.8	-	10.2	-	26.6	-	55	-	-	-	2700	-	-	-	-	-	-	-	888	-	-	-	-	-	50.1	-
	12-14	10/30/06	4.03	-	-	-	-	-	-	-	-	-	-	-	-	-	480	-	-	-	-	-	-	-	-	-	-	-	-	-	37.8	-
	22-24	10/30/06	1.47	-	-	-	-	-	-	-	-	-	-	-	-	-	225	-	-	-	-	-	-	-	-	-	-	-	-	-	29.9	-
	30-32	10/30/06	1.04	-	-	-	-	-	-	-	-	-	-	-	-	-	115	-	-	-	-	-	-	-	-	-	-	-	-	-	33.6	-
	34-36	10/30/06	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	140	-	-	-	-	-	-	-	-	-	-	-	-	-	24.8	-
	40-42	10/30/06	2.01	-	-	-	-	-	-	-	-	-	-	-	-	-	170	-	-	-	-	-	-	-	-	-	-	-	-	-	27.3	-
AB2	0-3'	11/13/06	27.5	-	-	-	-	-	-	-	-	-	-	-	-	-	10000	-	-	-	-	-	-	-	-	-	-	-	-	-	85.6	-
	3-6'	11/13/06	17.3	-	-	-	-	-	-	-	-	-	-	-	-	-	9250	-	-	-	-	-	-	-	-	-	-	-	-	-	77.7	-
	4-6	10/31/06	4.88	-	-	-	-	-	-	-	-	-	-	-	-	-	880	-	-	-	-	-	-	-	-	-	-	-	-	-	45	-
	10-12	10/31/06	4.64	-	-	-	-	-	-	-	-	-	-	-	-	-	960	-	-	-	-	-	-	-	-	-	-	-	-	-	40.2	-
	14-16	10/31/06	7.18	-	15.7	-	8.62	-	9.45	-	25.1	-	35.8	-	-	-	2300	-	-	-	-	-	-	-	-	-	-	-	-	-	66.4	-
	18-20	10/31/06	0.58	-	-	-	-	-	-	-	-	-	-	-	-	-	180	-	-	-	-	-	-	-	355	-	-	-	-	-	23	-
	22-24	10/31/06	0.35	-	-	-	-	-	-	-	NA	-	NA	-	-	-	140	-	-	-	-	-	-	-	-	-	-	-	-	-	32.5	-
AB3	0-3'	11/13/06	19.9	-	-	-	-	-	-	-	NA	-	NA	-	-	-	10800	-	-	-	-	-	-	-	-	-	-	-	-	-	82.8	-
	3-6'	11/13/06	11.2	-	-	-	-	-	-	-	NA	-	NA	-	-	-	2250	-	-	-	-	-	-	-	-	-	-	-	-	-	62.1	-
	4-6	11/01/06	5.72	-	-	-	-	-	-	-	NA	-	NA	-	-	-	1230	-	-	-	-	-	-	-	-	-	-	-	-	-	48	-
	8-10	11/01/06	6.23	-	4.11	-	9.49	-	10.6	-	27.8	-	41.6	-	-	-	1530	-	-	-	-	-	-	-	710	-	-	-	-	-	52.6	-
	14-16	11/01/06	3.04	-	-	-	-	-	-	-	NA	-	NA	-	-	-	620	-	-	-	-	-	-	-	-	-	-	-	-	-	39.5	-
	18-20	11/01/06	0.89	-	-	-	-	-	-	-	NA	-	NA	-	-	-	170	-	-	-	-	-	-	-	-	-	-	-	-	-	30.2	-
AB4	0-3'	11/13/06	25.6	-	-	-	-	-	-	-	NA	-	NA	-	-	-	13800	-	-	-	-	-	-	-	-	-	-	-	-	-	86.1	-
	3-6'	11/13/06	8.62	-	-	-	-	-	-	-	NA	-	NA	-	-	-	2500	-	-	-	-	-	-	-	-	-	-	-	-	-	58.9	-
	4-6	11/01/06	7.98	-	17.1	-	13.2	-	12.5	-	35.2	-	64.7	-	-	-	3650	-	-	-	-	-	-	-	-	-	-	-	-	-	67.4	-
	10-12	11/01/06	7.92	-	-	-	-	-	-	-	NA	-	NA	-	-	-	2950	-	-	-	-	-	-	-	959	-	-	-	-	-	68.9	-
	18-20	11/01/06	0.86	-	-	-	-	-	-	-	NA	-	NA	-	-	-	80	-	-	-	-	-	-	-	-	-	-	-	-	-	21.7	-
	26-28	11/01/06	0.42	-	-	-	-	-	-	-	NA	-	NA	-	-	-	60	-	-	-	-	-	-	-	-	-	-	-	-	-	22.1	-
	36-38	11/01/06	NA	-	-	-	-	-	-	-	NA	-	NA	-	-	-	-	-	-	-	-	-	-	-	160	-	-	-	-	-	0.92	-
AB5	0-6'	11/13/06	15.1	-	-	-	-	-	-	-	NA	-	NA	-	-	-	4800	-	-	-	-	-	-	-	-	-	-	-	-	-	69.9	-
	4-6	11/02/06	16.6	-	15.9	-	34.7	-	28.9	-	30.7	-	189	-	-	-	6700	-	-	-	-	-	-	-	-	-	-	-	-	-	64	-
	10-12	11/02/06	6.6	-	-	-	-	-	-	-	NA	-	NA	-	-	-	1950	-	-	-	-	-	-	-	1310	-	-	-	-	-	36.1	-
	14-16	11/02/06	6.08	-	-	-	-	-	-	-	NA	-	NA	-	-	-	2000	-	-	-	-	-	-	-	994	-	-	-	-	-	21.4	-
	18-20	11/02/06	7.01	-	48.3	-	98.6	-	<1.0	-	<1.0	-	71.7	-	-	-	2300	-	-	-	-	-	-	-	-	-	-	-	-	-	19.7	-
AB6	8-10	11/03/06	3.78	-	24.1	-	59.4	-	<1.0	-	<1.0	-	57	-	-	-	1150	-	-	-	-	-	-	-	532	-	-	-	-	-	35.2	-
	12-14	11/03/06	0.84	-	-	-	-	-	-	-	NA	-	NA	-	-	-	280	-	-	-	-	-	-	-	-	-	-	-	-	-	21.2	-
	16-18	11/03/06	1.36	-	-	-	-	-	-	-	NA	-	NA	-	-	-	320	-	-	-	-	-	-	-	-	-	-	-	-	-	19.9	-
AB7	6-8	11/03/06	12.4	-	-	-	-	-	-	-	NA	-	NA	-	-	-	2900	-	-	-	-	-	-	-	-	-	-	-	-	-	67.5	-
	10-12	11/03/06	3.19	-	-	-	-	-	-	-	NA	-	NA	-	-	-	540	-	-	-	-	-	-	-	355	-	-	-	-	-	51.1	-
	14-16	11/03/06	2.33	-	-	-	-	-	-	-	NA	-	NA	-	-	-	320	-	-	-	-	-	-	-	-	-	-	-	-	-	21.5	-
	18-20	11/03/06	2.92	-	-	-	-	-	-	-	NA	-	NA	-	-	-	420	-	-	-	-	-	-	-	-	-	-	-	-	-	24.9	-

Notes are found on page 40

Table 3
Soil/Sediment Analytical Data

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

			Hydrocarbons (mg/kg as-received)																											
		Constituent	Oil and Grease (%)		TPH-DRO		TPH-ORO		TPH-GRO		Aliphatic C6-C8		Aliphatic >C8-C10		Aliphatic >C10-C12		Aliphatic >C12-C16		Aliphatic >C16-C35		Aromatic >C8-C10		Aromatic >C10-C12		Aromatic C12-C16		Aromatic >C16-C21		Aromatic >C21-C35	
		Sampler	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
	Standards	**RECAP Soil_SSni**	NS		65		180		65		1200		120		230		370		7100		65		120		180		150		180	
		RECAP SoilGW2	NS		65		10000		65		10000		5300		10000		10000		10000		65		100		200		2100		10000	
		29-B	1		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Boring ID	**Interval (ft bls)**	**Date**																												
SS7	0-1.4	04/26/06	-	-	109.238	-	156.499	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1.4-2.5	04/26/06	-	-	677.91	-	189.968	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2.5-3.5	04/26/06	-	-	11.3569	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS8	0-1.9	04/27/06	-	-	53.692	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1.9-2.3	04/27/06	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0-2	02/26/10	-	0.584	829	65.8	450	<50	-	-	-	-	-	-	-	<15	-	11.8	-	47	-	-	-	<10	-	<15	-	<15	-	<15
	2-4'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS9	0-1.7	04/27/06	-	-	14.171	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1.7-3.2	04/27/06	-	-	24.96	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3.2-3.7	04/27/06	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS10	0-1.5	04/27/06	-	-	61.408	-	54.136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1.5-2.5	04/27/06	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0-2	02/26/10	-	0.343	379	140	263	9.23	-	-	-	-	-	-	-	<15	-	24.3	-	61.2	-	-	-	<10	-	<15	-	<15	-	<15
	2-4'	02/26/10	-	0.494	1650	159	849	13.9	-	-	-	-	-	-	-	<15	-	18.2	-	72.2	-	-	-	<10	-	8.72	-	17.2	-	10
SS11	0-2.5	04/27/06	-	-	230.808	-	224.436	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2.5-3.4	04/27/06	-	-	106.368	-	90.302	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3.4-3.7	04/27/06	-	-	27.972	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS12	0-3.7	04/27/06	-	-	223.304	-	253.656	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS13	0-1	04/28/06	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1-2.75	04/28/06	-	-	12.059	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2.75-3.2	04/28/06	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS14	0-0.8	04/28/06	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.8-1.7	04/28/06	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS15	0-3	04/28/06	-	-	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-3.25	04/28/06	-	-	12.4496	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB1	0-3	11/13/06	-	-	<21.5	-	<22.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-6	11/13/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6-8	10/30/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	10/30/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	22-24	10/30/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	30-32	10/30/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	34-36	10/30/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	40-42	10/30/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB2	0-3'	11/13/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-6'	11/13/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6	10/31/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	10/31/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	10/31/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-20	10/31/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	22-24	10/31/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB3	0-3'	11/13/06	-	-	<21.5	-	<22.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-6'	11/13/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6	11/01/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-10	11/01/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/01/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-20	11/01/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB4	0-3'	11/13/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-6'	11/13/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6	11/01/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/01/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-20	11/01/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	26-28	11/01/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	36-38	11/01/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB5	0-6'	11/13/06	-	-	<21.0	-	<25.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6	11/02/06	-	-	746	-	481	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/02/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/02/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-20	11/02/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB6	8-10	11/03/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/03/06	-	-	<10.0	-	<10.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/03/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB7	6-8	11/03/06	-	-	<10.0	-	<10.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/03/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/03/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-20	11/03/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes are found on page 40

Table 3
Soil/Sediment Analytical Data

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

			PAHs (mg/kg)																													
		Constituent	2-methylnaphthalene		Acenaphthene		Acenaphthylene		Anthracene		Benzo(a)anthracene		Benzo(a)pyrene		Benzo(b)fluoranthene		Benzo(k)fluoranthene		Chrysene		Dibenz(a,h)anthracene		Fluoranthene		Fluorene		Indeno(1,2,3-cd)pyrene		Naphthalene		Phenanthrene		Pyrene	
		Sampler	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
	Standards	**RECAP Soil_SSni**	22		370		350		2200		0.62		0.33		0.62		0.62		62		0.33		220		280		0.62		6.2		2100		230	
		RECAP SoilGW2	1.7		220		88		88		3.9		23		13		120		76		76		1200		230		9.2		0.9		660		1100	
		29-B	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Boring ID	**Interval (ft bls)**	**Date**																																
SS7	0-1.4	04/26/06	<1.17	-		-		-		-		-		-		-		-		-		-	<1.17	-	<1.17	-		-		-	<1.17	-		-
	1.4-2.5	04/26/06	5.29	-		-		-		-		-		-		-		-		-		-	1.3	-	1.69	-		-		-	4.87	-		-
	2.5-3.5	04/26/06	<0.979	-		-		-		-		-		-		-		-		-		-	<0.979	-	<0.979	-		-		-	<0.979	-		-
SS8	0-1.9	04/27/06		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-
	1.9-2.3	04/27/06		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-
	0-2	02/26/10		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-
	2-4'	02/26/10		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-
SS9	0-1.7	04/27/06		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-
	1.7-3.2	04/27/06		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-
	3.2-3.7	04/27/06		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-
SS10	0-1.5	04/27/06		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-
	1.5-2.5	04/27/06		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-
	0-2	02/26/10		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-
	2-4'	02/26/10		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-
SS11	0-2.5	04/27/06	<0.466	-		-		-		-		-		-		-		-		-		-	<0.466	-	<0.466	-		-		-	<0.466	-		-
	2.5-3.4	04/27/06	<0.596	-		-		-		-		-		-		-		-		-		-	<0.596	-	<0.596	-		-		-	<0.596	-		-
	3.4-3.7	04/27/06	<0.611	-		-		-		-		-		-		-		-		-		-	<0.611	-	<0.611	-		-		-	<0.611	-		-
SS12	0-3.7	04/27/06	<0.609	-		-		-		-		-		-		-		-		-		-	<0.609	-	<0.609	-		-		-	<0.609	-		-
SS13	0-1	04/28/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1-2.75	04/28/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2.75-3.2	04/28/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS14	0-0.8	04/28/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.8-1.7	04/28/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS15	0-3	04/28/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-3.25	04/28/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB1	0-3	11/13/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-6	11/13/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6-8	10/30/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	10/30/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	22-24	10/30/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	30-32	10/30/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	34-36	10/30/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	40-42	10/30/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB2	0-3'	11/13/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-6'	11/13/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6	10/31/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	10/31/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	10/31/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-20	10/31/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	22-24	10/31/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB3	0-3'	11/13/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-6'	11/13/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6	11/01/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-10	11/01/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/01/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-20	11/01/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB4	0-3'	11/13/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-6'	11/13/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6	11/01/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/01/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-20	11/01/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	26-28	11/01/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	36-38	11/01/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB5	0-6'	11/13/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6	11/02/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/02/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/02/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-20	11/02/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB6	8-10	11/03/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/03/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/03/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB7	6-8	11/03/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/03/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/03/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-20	11/03/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 3
Soil/Sediment Analytical Data

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

			Volatile Organics (mg/kg)								Radionuclides						PCBs (mg/kg as received)															
		Constituent	Benzene		Ethylbenzene		Toluene		Xylene		Radium 226		Radium 228		Radium 226/228		Total PCBs	Aroclor-1016		Aroclor-1221		Aroclor-1232		Aroclor-1242		Aroclor-1248		Aroclor-1254		Aroclor-1260	
		Sampler	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
	Standards	**RECAP Soil_SSni**	1.5		160		68		18		68		18		18		0.11	NS		NS		NS		NS		NS		NS		NS	
		RECAP SoilGW2	0.051		19		20		180		20		180		180		19	NS		NS		NS		NS		NS		NS		NS	
		29-B	NS		NS		NS		NS		NS		NS		NS		NS	NS		NS		NS		NS		NS		NS		NS	
Boring ID	**Interval (ft bls)**	**Date**																														
SS7	0-1.4	04/26/06	<0.141	-	<0.883	-	<0.883	-	<2.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1.4-2.5	04/26/06	<0.104	-	<0.653	-	<0.653	-	<1.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2.5-3.5	04/26/06	<0.119	-	<0.742	-	<0.742	-	<2.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS8	0-1.9	04/27/06		-		-		-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1.9-2.3	04/27/06		-		-		-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0-2	02/26/10		-		-		-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/26/10		-		-		-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS9	0-1.7	04/27/06		-		-		-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1.7-3.2	04/27/06		-		-		-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3.2-3.7	04/27/06		-		-		-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS10	0-1.5	04/27/06		-		-		-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1.5-2.5	04/27/06		-		-		-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0-2	02/26/10		-		-		-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/26/10		-		-		-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS11	0-2.5	04/27/06	<0.0565	-	<0.353	-	<0.353	-	<1.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2.5-3.4	04/27/06	<0.0722	-	<0.451	-	<0.451	-	<1.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3.4-3.7	04/27/06	<0.0741	-	<0.463	-	<0.463	-	<1.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS12	0-3.7	04/27/06	<0.0738	-	<0.461	-	<0.461	-	<1.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS13	0-1	04/28/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1-2.75	04/28/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2.75-3.2	04/28/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS14	0-0.8	04/28/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.8-1.7	04/28/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS15	0-3	04/28/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-3.25	04/28/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB1	0-3	11/13/06	-	-	-	-	-	-	-	-	1.77	-	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-6	11/13/06	-	-	-	-	-	-	-	-	0.95	-	1.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6-8	10/30/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	10/30/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	22-24	10/30/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	30-32	10/30/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	34-36	10/30/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	40-42	10/30/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB2	0-3'	11/13/06	-	-	-	-	-	-	-	-	4.55	-	3.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-6'	11/13/06	-	-	-	-	-	-	-	-	2.22	-	1.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6	10/31/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	10/31/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	10/31/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-20	10/31/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	22-24	10/31/06	-	-	-	-	-	-	-	-	NA	-	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB3	0-3'	11/13/06	-	-	-	-	-	-	-	-	2.05	-	2.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-6'	11/13/06	-	-	-	-	-	-	-	-	1.35	-	2.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6	11/01/06	-	-	-	-	-	-	-	-	NA	-	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-10	11/01/06	-	-	-	-	-	-	-	-	NA	-	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/01/06	-	-	-	-	-	-	-	-	NA	-	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-20	11/01/06	-	-	-	-	-	-	-	-	NA	-	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB4	0-3'	11/13/06	-	-	-	-	-	-	-	-	0.97	-	0.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-6'	11/13/06	-	-	-	-	-	-	-	-	1.81	-	2.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6	11/01/06	-	-	-	-	-	-	-	-	NA	-	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/01/06	-	-	-	-	-	-	-	-	NA	-	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-20	11/01/06	-	-	-	-	-	-	-	-	NA	-	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	26-28	11/01/06	-	-	-	-	-	-	-	-	NA	-	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	36-38	11/01/06	-	-	-	-	-	-	-	-	NA	-	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB5	0-6'	11/13/06	-	-	-	-	-	-	-	-	2.66	-	1.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6	11/02/06	-	-	-	-	-	-	-	-	NA	-	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/02/06	-	-	-	-	-	-	-	-	NA	-	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/02/06	-	-	-	-	-	-	-	-	NA	-	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-20	11/02/06	-	-	-	-	-	-	-	-	NA	-	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB6	8-10	11/03/06	-	-	-	-	-	-	-	-	NA	-	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/03/06	-	-	-	-	-	-	-	-	NA	-	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/03/06	-	-	-	-	-	-	-	-	NA	-	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB7	6-8	11/03/06	-	-	-	-	-	-	-	-	NA	-	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/03/06	-	-	-	-	-	-	-	-	NA	-	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/03/06	-	-	-	-	-	-	-	-	NA	-	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-20	11/03/06	-	-	-	-	-	-	-	-	NA	-	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes are found on page 40

Table 3
Soil/Sediment Analytical Data

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

			Metals (mg/kg As-received)																								SPLP Metals (mg/L)							
		Constituent	Arsenic		Barium		True Total Barium		Cadmium		Chromium		Lead		Mercury		Selenium		Silver		Sodium		Strontium		Zinc		Barium		Chromium		Lead		Mercury	
		Sampler	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
	Standards	**RECAP Soil_SSni**	12		550		NS		3.9		12000		400		2.3		3.9		NS		NS		NS		2300		NS		NS		NS		NS	
		RECAP SoilGW2	100		2000		NS		20		100		100		4		20		NS		NS		NS		2800		NS		NS		NS		NS	
		29-B	10	10	NS	NS	20000	20000	10	10	500	500	500	500	10	10	10	10	NS	NS	NS	NS	NS	NS	500	500	NS		NS		NS		NS	
Boring ID	**Interval (ft bls)**	**Date**																																
AB8	6-8	11/06/06	2.7608	-	71.638	-	-	-	0.064498	-	2.5942	-	3.3558	-	-	-	-	-	-	-	-	-	62.118	-	-	-	-	-	-	-	-	-	-	-
	8-10	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/06/06	5.3714	-	75.3	-	-	-	0.09287	-	4.30716	-	6.526	-	-	-	-	-	-	-	-	-	43.925	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-20	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	20-22	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB9	6-8	11/06/06	3.00237	-	122.094	-	-	-	0.095319	-	4.8909	-	7.497	-	-	-	-	-	-	-	-	-	71.043	-	-	-	-	-	-	-	-	-	-	-
	8-10	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/06/06	4.11312	-	78.72	-	-	-	0.086592	-	5.51696	-	9.5776	-	-	-	-	-	-	-	-	-	35.424	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-20	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	22-24	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB10	4-6	11/06/06	1.70847	-	41.0218	-	-	-	ND	-	6.2042	-	8.5192	-	-	-	-	-	-	-	-	-	18.4274	-	-	-	-	-	-	-	-	-	-	-
	8-10	11/06/07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/06/07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/06/07	2.60964	-	49.8204	-	-	-	ND	-	4.47461	-	6.6559	-	-	-	-	-	-	-	-	-	16.6727	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/06/07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-20	11/06/07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	20-22	11/06/07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB11	4-6	11/06/06	1.56875	-	109.687	-	-	-	0.039658	-	3.6395	-	5.0953	-	-	-	-	-	-	-	-	-	20.9334	-	-	-	-	-	-	-	-	-	-	-
	6-8	11/06/06	2.33093	-	43.4763	-	-	-	0.070819	-	6.1439	-	7.3633	-	-	-	-	-	-	-	-	-	20.9643	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-20	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB12	6-8	11/07/06	2.32713	-	67.932	-	-	-	ND	-	6.5637	-	7.0227	-	-	-	-	-	-	-	-	-	33.8283	-	-	-	-	-	-	-	-	-	-	-
	8-10	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/07/06	2.4341	-	81.458	-	-	-	0.075192	-	3.59572	-	5.8322	-	-	-	-	-	-	-	-	-	35.9572	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	22-24	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB13	0-3'	11/13/06	1.806	-	77.14	-	-	-	0.06258	-	1.0822	-	1.1354	-	-	-	-	-	-	-	-	-	64.26	-	3.472	-	-	-	-	-	-	-	-	-
	3-6'	11/13/06	2.3016	-	87.36	-	-	-	0.1113	-	5.124	-	5.586	-	-	-	-	-	-	-	-	-	65.52	-	27.09	-	-	-	-	-	-	-	-	-
	4-6	11/07/06	1.5875	-	105.5	-	-	-	0.0375	-	4.2	-	5.475	-	-	-	-	-	-	-	-	-	25	-	-	-	-	-	-	-	-	-	-	-
	8-10	11/07/06	4.6305	-	65.268	-	-	-	0.089523	-	6.2181	-	7.8057	-	-	-	-	-	-	-	-	-	48.951	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24-26	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB14	0-3'	11/13/06	2.04972	-	74.4	-	-	-	0.081468	-	4.7616	-	5.3568	-	-	-	-	-	-	-	-	-	45.012	-	23.7708	-	-	-	-	-	-	-	-	-
	3-6'	11/13/06	2.20515	-	168.055	-	-	-	0.11163	-	5.8255	-	7.1675	-	-	-	-	-	-	-	-	-	64.05	-	20.252	-	-	-	-	-	-	-	-	-
	4-6	11/07/06	1.9584	-	122.4	-	-	-	0.06273	-	3.621	-	5.1765	-	-	-	-	-	-	-	-	-	66.045	-	-	-	-	-	-	-	-	-	-	-
	6-8	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-10	11/07/06	2.70384	-	91.848	-	-	-	ND	-	5.8308	-	6.7596	-	-	-	-	-	-	-	-	-	70.692	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24-26	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB15	0-6'	11/13/06	1.73595	-	77.106	-	-	-	0.059214	-	2.343	-	2.6838	-	-	-	-	-	-	-	-	-	53.463	-	6.8586	-	-	-	-	-	-	-	-	-
	4-6	11/07/06	1.8762	-	123.192	-	-	-	0.054988	-	3.4928	-	4.2716	-	-	-	-	-	-	-	-	-	49.796	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/07/06	6.00576	-	77.568	-	-	-	0.113664	-	7.0656	-	8.7552	-	-	-	-	-	-	-	-	-	26.2656	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-20	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24-26	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 3
Soil/Sediment Analytical Data

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

			Salts and Miscellaneous																													
		Constituent	Electrical Conductivity (mmhos/cm)		Exchangeable Sodium Percentage (%)		Sodium Adsorption Ratio		Soluble Calcium (meq/L)		Soluble Magnesium (meq/L)		Soluble Sodium (meq/L)		Cation Exchange Capacity (meq/100g)		Chlorides (mg/kg)		Sulfate (mg/L)		Bromide (mg/L)		SPLP Chloride (mg/L)		Leachate Chloride (mg/L)		Total Organic Carbon (mg/kg)		pH (S.U.)		Percent Moisture (%)	
		Sampler	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
	Standards	**RECAP Soil_SSni**	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
		RECAP SoilGW2	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
		29-B	NS		NS		NS		NS		NS		NS		NS		500		NS		NS		NS		NS		NS		6-9		NS	
Boring ID	**Interval (ft bls)**	**Date**																														
AB8	6-8	11/06/06	10.9	-	30.2	-	38.7	-	20.2	-	11.1	-	153	-	-	-	2900	-	-	-	-	-	-	-	-	-	-	-	-	-	76.2	-
	8-10	11/06/06	11.1	-	-	-	37.8	-	15	-	10.7	-	136	-	-	-	2550	-	-	-	-	-	-	-	-	-	-	-	-	-	76.3	-
	10-12	11/06/06	6.99	-	29.4	-	47.6	-	4.9	-	1.7	-	86.6	-	-	-	1750	-	-	-	-	-	-	-	-	-	-	-	-	-	49.8	-
	12-14	11/06/06	2.34	-	-	-	-	-	-	-	NA	-	NA	-	-	-	225	-	-	-	-	-	-	-	-	-	-	-	-	-	21.4	-
	14-16	11/06/06	1.79	-	-	-	-	-	-	-	NA	-	NA	-	-	-	205	-	-	-	-	-	-	-	-	-	-	-	-	-	22.5	-
	16-18	11/06/06	1.85	-	-	-	-	-	-	-	NA	-	NA	-	-	-	285	-	-	-	-	-	-	-	-	-	-	-	-	-	18.8	-
	18-20	11/06/06	2.54	-	-	-	-	-	-	-	NA	-	NA	-	-	-	350	-	-	-	-	-	-	-	-	-	-	-	-	-	22.4	-
	20-22	11/06/06	3.18	-	-	-	-	-	-	-	NA	-	NA	-	-	-	690	-	-	-	-	-	-	-	-	-	-	-	-	-	21.1	-
AB9	6-8	11/06/06	6.11	-	28.3	-	49.8	-	2.24	-	1.54	-	68.4	-	-	-	2100	-	-	-	-	-	-	-	-	-	-	-	-	-	64.3	-
	8-10	11/06/06	11.4	-	-	-	41.5	-	14.2	-	8.74	-	140	-	-	-	2750	-	-	-	-	-	-	-	-	-	-	-	-	-	68.2	-
	10-12	11/06/06	9.71	-	-	-	64	-	5.06	-	2.08	-	121	-	-	-	2700	-	-	-	-	-	-	-	-	-	-	-	-	-	48.5	-
	12-14	11/06/06	6.81	-	-	-	-	-	-	-	NA	-	NA	-	-	-	1800	-	-	-	-	-	-	-	-	-	-	-	-	-	34.4	-
	16-18	11/06/06	3.18	-	-	-	-	-	-	-	NA	-	NA	-	-	-	395	-	-	-	-	-	-	-	-	-	-	-	-	-	22.6	-
	18-20	11/06/06	2.64	-	-	-	-	-	-	-	NA	-	NA	-	-	-	320	-	-	-	-	-	-	-	-	-	-	-	-	-	22.8	-
	22-24	11/06/06	4.36	-	-	-	-	-	-	-	NA	-	NA	-	-	-	1210	-	-	-	-	-	-	-	-	-	-	-	-	-	21.4	-
AB10	4-6	11/06/06	6.33	-	13.6	-	15.9	-	7.92	-	16.5	-	55.5	-	-	-	2150	-	-	-	-	-	-	-	-	-	-	-	-	-	53.7	-
	8-10	11/06/07	7.54	-	17.2	-	12.7	-	22.7	-	31.8	-	66.5	-	-	-	1850	-	-	-	-	-	-	-	-	-	-	-	-	-	49.3	-
	10-12	11/06/07	4.86	-	12	-	12.2	-	9.59	-	13.3	-	41.2	-	-	-	1300	-	-	-	-	-	-	-	-	-	-	-	-	-	25.6	-
	12-14	11/06/07	6.54	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	1800	-	-	-	-	-	-	-	-	-	-	-	-	-	34.1	-
	14-16	11/06/07	2.15	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	490	-	-	-	-	-	-	-	-	-	-	-	-	-	20	-
	18-20	11/06/07	1.89	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	470	-	-	-	-	-	-	-	-	-	-	-	-	-	19.9	-
	20-22	11/06/07	2.87	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	655	-	-	-	-	-	-	-	-	-	-	-	-	-	24.7	-
AB11	4-6	11/06/06	18.8	-	NA	-	24.1	-	21	-	50.4	-	144	-	-	-	8000	-	-	-	-	-	-	-	-	-	-	-	-	-	74.9	-
	6-8	11/06/06	11.9	-	12.1	-	19	-	21.6	-	50.9	-	114	-	-	-	5200	-	-	-	-	-	-	-	-	-	-	-	-	-	53.1	-
	10-12	11/06/06	11.8	-	7.56	-	20	-	23.3	-	63.8	-	132	-	-	-	5900	-	-	-	-	-	-	-	-	-	-	-	-	-	60	-
	12-14	11/06/06	5.32	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	1400	-	-	-	-	-	-	-	-	-	-	-	-	-	24.1	-
	14-16	11/06/06	3.9	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	750	-	-	-	-	-	-	-	-	-	-	-	-	-	24.9	-
	16-18	11/06/06	2.08	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	370	-	-	-	-	-	-	-	-	-	-	-	-	-	19.1	-
	18-20	11/06/06	1.86	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	375	-	-	-	-	-	-	-	-	-	-	-	-	-	20.1	-
AB12	6-8	11/07/06	11.7	-	62.9	-	68.2	-	5.6	-	4.32	-	152	-	-	-	4850	-	-	-	-	-	-	-	-	-	-	-	-	-	54.1	-
	8-10	11/07/06	27.1	-	29.7	-	86.3	-	27.8	-	28.5	-	458	-	-	-	15500	-	-	-	-	-	-	-	-	-	-	-	-	-	60.4	-
	12-14	11/07/06	61.5	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	30800	-	-	-	-	-	-	-	-	-	-	-	-	-	51.8	-
	14-16	11/07/06	22.5	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	14000	-	-	-	-	-	-	-	-	-	-	-	-	-	26.6	-
	16-18	11/07/06	21.9	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	15200	-	-	-	-	-	-	-	-	-	-	-	-	-	37.1	-
	22-24	11/07/06	12.5	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	6400	-	-	-	-	-	-	-	-	-	-	-	-	-	20.7	-
AB13	0-3'	11/13/06	87	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	73800	-	-	-	-	-	-	-	-	-	-	-	-	-	86	-
	3-6'	11/13/06	79.5	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	38000	-	-	-	-	-	-	-	-	-	-	-	-	-	58	-
	4-6	11/07/06	9.5	-	NA	-	14.8	-	9.13	-	21.1	-	57.5	-	-	-	3100	-	-	-	-	-	-	-	-	-	-	-	-	-	75	-
	8-10	11/07/06	8.03	-	27.6	-	37	-	6.46	-	6.08	-	92.6	-	-	-	2750	-	-	-	-	-	-	-	-	-	-	-	-	-	55.9	-
	10-12	11/07/06	13.3	-	47.1	-	30.4	-	<1.0	-	<1.0	-	17.7	-	-	-	5800	-	-	-	-	-	-	-	-	-	-	-	-	-	59	-
	12-14	11/07/06	11.5	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	5200	-	-	-	-	-	-	-	-	-	-	-	-	-	30.1	-
	14-16	11/07/06	10.2	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	4800	-	-	-	-	-	-	-	-	-	-	-	-	-	31.7	-
	16-18	11/07/06	8.25	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	3750	-	-	-	-	-	-	-	-	-	-	-	-	-	22	-
	24-26	11/07/06	9.4	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	4800	-	-	-	-	-	-	-	-	-	-	-	-	-	20.5	-
AB14	0-3'	11/13/06	26.1	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	15500	-	-	-	-	-	-	-	-	-	-	-	-	-	62.8	-
	3-6'	11/13/06	41.3	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	16800	-	-	-	-	-	-	-	-	-	-	-	-	-	69.5	-
	4-6	11/07/06	24.7	-	35.2	-	33.6	-	28.7	-	33.8	-	188	-	-	-	11200	-	-	-	-	-	-	-	-	-	-	-	-	-	74.5	-
	6-8	11/07/06	52.5	-	63.1	-	78.7	-	45.4	-	46	-	532	-	-	-	28800	-	-	-	-	-	-	-	-	-	-	-	-	-	59.4	-
	8-10	11/07/06	50.5	-	40.6	-	67.1	-	41.6	-	38	-	424	-	-	-	35000	-	-	-	-	-	-	-	-	-	-	-	-	-	48.4	-
	10-12	11/07/06	54.5	-	85.4	-	70.2	-	57.4	-	58.9	-	535	-	-	-	25200	-	-	-	-	-	-	-	-	-	-	-	-	-	44.1	-
	12-14	11/07/06	25.7	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	14200	-	-	-	-	-	-	-	-	-	-	-	-	-	33.6	-
	14-16	11/07/06	12.8	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	6650	-	-	-	-	-	-	-	-	-	-	-	-	-	22.4	-
	16-18	11/07/06	25.4	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	7500	-	-	-	-	-	-	-	-	-	-	-	-	-	20.2	-
	24-26	11/07/06	9.08	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	3650	-	-	-	-	-	-	-	-	-	-	-	-	-	19.2	-
AB15	0-6'	11/13/06	59.5	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	25500	-	-	-	-	-	-	-	-	-	-	-	-	-	78.7	-
	4-6	11/07/06	15	-	31.2	-	36.4	-	18	-	35.3	-	188	-	-	-	6750	-	-	-	-	-	-	-	-	-	-	-	-	-	76.4	-
	12-14	11/07/06	14.1	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	5250	-	-	-	-	-	-	-	-	-	-	-	-	-	23.2	-
	14-16	11/07/06	13.5	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	4750	-	-	-	-	-	-	-	-	-	-	-	-	-	23	-
	16-18	11/07/06	11.1	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	4750	-	-	-	-	-	-	-	-	-	-	-	-	-	19	-
	18-20	11/07/06	9.9	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	4050	-	-	-	-	-	-	-	-	-	-	-	-	-	19.4	-
	24-26	11/07/06	14.9	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	6250	-	-	-	-	-	-	-	-	-	-	-	-	-	20.3	-

Notes are found on page 40

Table 3
Soil/Sediment Analytical Data

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

			Hydrocarbons (mg/kg as-received)																											
		Constituent	Oil and Grease (%)		TPH-DRO		TPH-ORO		TPH-GRO		Aliphatic C6-C8		Aliphatic >C8-C10		Aliphatic >C10-C12		Aliphatic >C12-C16		Aliphatic >C16-C35		Aromatic >C8-C10		Aromatic >C10-C12		Aromatic C12-C16		Aromatic >C16-C21		Aromatic >C21-C35	
		Sampler	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
	Standards	**RECAP Soil_SSni**	NS		65		180		65		1200		120		230		370		7100		65		120		180		150		180	
		RECAP SoilGW2	NS		65		10000		65		10000		5300		10000		10000		10000		65		100		200		2100		10000	
		29-B	1		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Boring ID	**Interval (ft bls)**	**Date**																												
AB8	6-8	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-10	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/06/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/06/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-20	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	20-22	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB9	6-8	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-10	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/06/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-20	11/06/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	22-24	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB10	4-6	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-10	11/06/07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/06/07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/06/07	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/06/07	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-20	11/06/07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	20-22	11/06/07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB11	4-6	11/06/06	-	-	499	-	247	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6-8	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/06/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-20	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB12	6-8	11/07/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-10	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/07/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	22-24	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB13	0-3'	11/13/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-6'	11/13/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6	11/07/06	-	-	2100	-	1440	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-10	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/07/06	-	-	90.6	-	70.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24-26	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB14	0-3'	11/13/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-6'	11/13/06	-	-	265	-	73.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6	11/07/06	-	-	80.8	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6-8	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-10	11/07/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24-26	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB15	0-6'	11/13/06	-	-	12.7	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6	11/07/06	-	-	51.4	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/07/06	-	-	<10	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-20	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24-26	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 3
Soil/Sediment Analytical Data

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

			PAHs (mg/kg)																															
		Constituent	2-methylnaphthalene		Acenaphthene		Acenaphthylene		Anthracene		Benzo(a)anthracene		Benzo(a)pyrene		Benzo(b)fluoranthene		Benzo(k)fluoranthene		Chrysene		Dibenz(a,h)anthracene		Fluoranthene		Fluorene		Indeno(1,2,3-cd)pyrene		Naphthalene		Phenanthrene		Pyrene	
		Sampler	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
	Standards	**RECAP Soil_SSni**	22		370		350		2200		0.62		0.33		0.62		0.62		62		0.33		220		280		0.62		6.2		2100		230	
		RECAP SoilGW2	1.7		220		88		88		3.9		23		13		120		76		76		1200		230		9.2		0.9		660		1100	
		29-B	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Boring ID	**Interval (ft bls)**	**Date**																																
AB8	6-8	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-10	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-20	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	20-22	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB9	6-8	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-10	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-20	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	22-24	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB10	4-6	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-10	11/06/07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/06/07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/06/07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/06/07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-20	11/06/07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	20-22	11/06/07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB11	4-6	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6-8	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-20	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB12	6-8	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-10	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	22-24	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB13	0-3'	11/13/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-6'	11/13/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-10	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24-26	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB14	0-3'	11/13/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-6'	11/13/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6-8	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-10	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24-26	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB15	0-6'	11/13/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-20	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24-26	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 3
Soil/Sediment Analytical Data

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

			Volatile Organics (mg/kg)								Radionuclides						PCBs (mg/kg as received)														
		Constituent	Benzene		Ethylbenzene		Toluene		Xylene		Radium 226		Radium 228		Radium 226/228		Total PCBs	Aroclor-1016		Aroclor-1221		Aroclor-1232		Aroclor-1242		Aroclor-1248		Aroclor-1254		Aroclor-1260	
		Sampler	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
	Standards	**RECAP Soil_SSni**	1.5		160		68		18		68		18		18		0.11	NS		NS		NS		NS		NS		NS		NS	
		RECAP SoilGW2	0.051		19		20		180		20		180		180		19	NS		NS		NS		NS		NS		NS		NS	
		29-B	NS		NS		NS		NS		NS		NS		NS		NS	NS		NS		NS		NS		NS		NS		NS	
Boring ID	**Interval (ft bls)**	**Date**																													
AB8	6-8	11/06/06	-	-	-	-	-	-	-	-	NA	-	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-10	11/06/06	-	-	-	-	-	-	-	-	NA	-	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/06/06	-	-	-	-	-	-	-	-	NA	-	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/06/06	-	-	-	-	-	-	-	-	NA	-	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/06/06	-	-	-	-	-	-	-	-	NA	-	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/06/06	-	-	-	-	-	-	-	-	NA	-	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-20	11/06/06	-	-	-	-	-	-	-	-	NA	-	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	20-22	11/06/06	-	-	-	-	-	-	-	-	NA	-	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB9	6-8	11/06/06	-	-	-	-	-	-	-	-	NA	-	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-10	11/06/06	-	-	-	-	-	-	-	-	NA	-	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/06/06	-	-	-	-	-	-	-	-	NA	-	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/06/06	-	-	-	-	-	-	-	-	NA	-	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/06/06	-	-	-	-	-	-	-	-	NA	-	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-20	11/06/06	-	-	-	-	-	-	-	-	NA	-	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	22-24	11/06/06	-	-	-	-	-	-	-	-	NA	-	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB10	4-6	11/06/06	-	-	-	-	-	-	-	-	NA	-	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-10	11/06/07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/06/07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/06/07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/06/07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-20	11/06/07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	20-22	11/06/07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB11	4-6	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6-8	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-20	11/06/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB12	6-8	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-10	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	22-24	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB13	0-3'	11/13/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-6'	11/13/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-10	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24-26	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB14	0-3'	11/13/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-6'	11/13/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6-8	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-10	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24-26	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB15	0-6'	11/13/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-20	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24-26	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 3
Soil/Sediment Analytical Data

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

			Metals (mg/kg As-received)																								SPLP Metals (mg/L)							
		Constituent	Arsenic		Barium		True Total Barium		Cadmium		Chromium		Lead		Mercury		Selenium		Silver		Sodium		Strontium		Zinc		Barium		Chromium		Lead		Mercury	
		Sampler	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
Standards		**RECAP Soil_SSni**	12		550		NS		3.9		12000		400		2.3		3.9		NS		NS		NS		2300		NS		NS		NS		NS	
		RECAP SoilGW2	100		2000		NS		20		100		100		4		20		NS		NS		NS		2800		NS		NS		NS		NS	
		29-B	10	10	NS	NS	20000	20000	10	10	500	500	500	500	10	10	10	10	NS	NS	NS	NS	NS	NS	500	500	NS		NS		NS		NS	
Boring ID	**Interval (ft bls)**	**Date**																																
AB16	4-6	11/07/06	2.68128	-	189.168	-	-	-	0.089712	-	4.9392	-	6.9216	-	-	-	-	-	-	-	-	-	35.28	-	-	-	-	-	-	-	-	-	-	-
	8-10	11/07/06	1.89662	-	78.551	-	-	-	ND	-	4.9654	-	6.105	-	-	-	-	-	-	-	-	-	45.991	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24-26	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB18	4-6	11/08/06	1.59192	-	74.25	-	-	-	0.045144	-	2.7522	-	3.5046	-	-	-	-	-	-	-	-	-	22.176	-	-	-	-	-	-	-	-	-	-	-
	6-8	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/08/06	17.1304	-	163.576	-	-	-	0.26726	-	5.56416	-	9.5956	-	-	-	-	-	-	-	-	-	16.5508	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-20	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24-26	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB19	4-6	11/08/06	1.77906	-	62.878	-	-	-	0.031886	-	3.6058	-	4.1124	-	-	-	-	-	-	-	-	-	17.6714	-	-	-	-	-	-	-	-	-	-	-
	6-8	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-10	11/08/06	3.06138	-	165.48	-	-	-	ND	-	5.59677	-	8.3922	-	-	-	-	-	-	-	-	-	19.4439	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB20	6-8	11/08/06	1.92726	-	53.406	-	-	-	0.045279	-	4.5279	-	5.3406	-	-	-	-	-	-	-	-	-	27.864	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/08/06	3.59328	-	65.208	-	-	-	0.093936	-	5.4264	-	7.0224	-	-	-	-	-	-	-	-	-	21.432	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-20	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24-26	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB21	4-6	11/08/06	1.1676	-	32.248	-	-	-	0.0278	-	1.4873	-	1.8487	-	-	-	-	-	-	-	-	-	19.599	-	-	-	-	-	-	-	-	-	-	-
	6-8	11/08/06	1.91092	-	54.136	-	-	-	ND	-	4.9288	-	5.3732	-	-	-	-	-	-	-	-	-	31.916	-	-	-	-	-	-	-	-	-	-	-
	8-10	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB22	4-6	11/08/06	1.52098	-	55.144	-	-	-	0.042488	-	2.825	-	3.3448	-	-	-	-	-	-	-	-	-	36.838	-	-	-	-	-	-	-	-	-	-	-
	6-8	11/08/06	1.21212	-	46.953	-	-	-	0.038961	-	3.7629	-	4.1958	-	-	-	-	-	-	-	-	-	36.63	-	-	-	-	-	-	-	-	-	-	-
	8-10	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED1	0-2	02/25/10	1.67072	0.84	97.156	81.2	-	381	ND	0.0094	4.4038	0.75	5.0621	4.81	0.031553	0.02	ND	<1.60	-	-	-	-	12.7801	12.8	-	-	-	-	-	-	-	-	-	-
	2-4'	02/25/10	2.3316	2.98	37.12	24.1	-	349	0.089552	<0.2	1.1716	<0.4	1.10664	0.59	0.0116	0.0084	ND	<1.60	-	-	-	-	7.0992	8.47	-	-	-	-	-	-	-	-	-	-
	4-6'	02/25/10	0.7344	0.63	31.104	31.1	-	203	ND	<0.2	3.8448	<0.4	2.268	2.43	-	0.0083	ND	<1.60	-	-	-	-	8.9856	9.77	-	-	-	-	-	-	-	-	-	-
SED2	0-2'	02/25/10	1.59168	1.19	59.136	76.8	-	339	ND	0.29	3.6864	2.01	4.032	6.03	-	0.014	ND	<1.60	-	-	-	-	11.3664	12.6	-	-	-	-	-	-	-	-	-	-
	2-4'	02/25/10	3.0628	2.09	20.14	27.9	-	216	0.1026	<0.2	0.62016	<0.4	0.8208	1.3	-	0.0085	ND	<1.59	-	-	-	-	6.802	8.33	-	-	-	-	-	-	-	-	-	-
	4-6'	02/25/10	0.52599	0.88	39.783	40.9	-	186	ND	<0.2	3.5244	<0.4	3.3909	3.82	0.222144	0.011	ND	<1.60	-	-	-	-	11.4276	12	-	-	-	-	-	-	-	-	-	-
SED3	0-2'	02/25/10	1.46496	1.27	52.92	48.2	-	350	ND	<0.2	2.5536	<0.4	3.3432	3.85	-	0.02	ND	<1.59	-	-	-	-	10.1136	11.4	-	-	-	-	-	-	-	-	-	-
	2-4'	02/25/10	2.3621	2	19.434	23.1	-	220	0.0869	<0.2	0.70073	<0.4	0.7979	1.19	0.008532	0.0078	ND	<1.60	-	-	-	-	7.3233	8.48	-	-	-	-	-	-	-	-	-	-
	4-6'	02/25/10	0.50337	1.31	45.696	41.2	-	169	ND	<0.2	5.5692	<0.4	4.9266	5.27	0.039984	0.016	ND	<1.60	-	-	-	-	13.0662	12.4	-	-	-	-	-	-	-	-	-	-
SED4	0-2'	02/25/10	2.09212	0.94	255.532	203	-	718	0.229284	<0.2	6.3304	3.13	8.6464	7.07	0.08492	0.026	ND	<1.59	-	-	-	-	35.3962	35.1	-	-	-	-	-	-	-	-	-	-
SED5	0-2'	02/25/10	2.014	3.09	91.584	61.4	-	338	ND	<0.2	6.4872	<0.4	6.5296	7.43	0.264152	0.021	ND	<1.59	-	-	-	-	24.9736	18.1	-	-	-	-	-	-	-	-	-	-
SED6	0-2'	02/25/10	2.83712	1.62	183.744	111	-	915	0.42592	1.03	8.4832	1.75	19.4304	9.18	5.0336	0.43	ND	<1.60	-	-	-	-	49.28	39.3	-	-	-	-	-	-	-	-	-	-
SED7	0-2'	02/25/10	1.19472	1.09	208.544	228	-	869	ND	0.03	5.776	2.17	6.0496	6.59	0.036176	0.026	ND	<1.60	-	-	-	-	14.6832	14.8	-	-	-	-	-	-	-	-	-	-
	2-4'	02/25/10	1.79832	2.14	384.81	497	-	1560	ND	0.039	7.3152	2.61	8.2296	9.61	0.083058	0.06	ND	<1.60	-	-	-	-	30.6324	29.7	-	-	-	-	-	-	-	-	-	-
	4-6'	02/25/10	1.66225	1.16	258.335	250	-	1780	ND	<0.2	5.1545	1.64	5.8865	6.84	0.04636	0.03	ND	<1.59	-	-	-	-	30.805	34.9	-	-	-	-	-	-	-	-	-	-
SED8	0-2'	02/25/10	1.224	1.42	179.622	238	-	844	ND	<0.2	5.508	1.5	6.1506	7.31	-	0.022	ND	<1.60	-	-	-	-	15.6978	15.7	-	-	-	-	-	-	-	-	-	-
	2-4'	02/25/10	1.97616	1.46	324.944	267	-	1150	ND	<0.2	6.6608	1.76	7.8016	7.8	0.065136	0.028	ND	<1.60	-	-	-	-	21.528	17.7	-	-	-	-	-	-	-	-	-	-
SED9	0-2'	02/25/10	1.7374	1.38	167.62	161	-	776	-	-	-	-	-	-	0.05712	0.022	ND	<1.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/25/10	2.368	1.94	254.19	224	-	955	-	-	-	-	-	-	0.07215	0.031	ND	<1.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED10	0-2'	02/25/10	1.7992	1.67	266.074	264	-	907	-	-	-	-	-	-	0.068162	0.033	ND	<1.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/25/10	2.1356	2.09	379.62	234	-	1270	-	-	-	-	-	-	0.057	0.025	ND	0.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED11	0-2'	02/25/10	2.2815	2.62	442.26	689	-	2310	-	-	-	-	-	-	0.067392	0.029	ND	0.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/25/10	2.40672	2.93	415.84	498	-	1450	-	-	-	-	-	-	0.052256	0.033	ND	0.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes are found on page 40

Table 3
Soil/Sediment Analytical Data

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

			Salts and Miscellaneous																											
		Constituent	Electrical Conductivity (mmhos/cm)		Exchangeable Sodium Percentage (%)		Sodium Adsorption Ratio		Soluble Calcium (meq/L)		Soluble Magnesium (meq/L)		Soluble Sodium (meq/L)		Cation Exchange Capacity (meq/100g)		Chlorides (mg/kg)		Sulfate (mg/L)		Bromide (mg/L)		SPLP Chloride (mg/L)		Leachate Chloride (mg/L)		Total Organic Carbon (mg/kg)		pH (S.U.)		Percent Moisture (%)	
		Sampler	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
Standards		RECAP Soil_SSni	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Standards		RECAP SoilGW2	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Standards		29-B	NS		NS		NS		NS		NS		NS		NS		500		NS		NS		NS		NS		NS		6-9		NS	
Boring ID	Interval (ft bls)	Date																														
AB16	4-6	11/07/06	11.6	-	37.2	-	12	-	<1.0	-	1.8	-	12.8	-	-	-	4250	-	-	-	-	-	-	-	-	-	-	-	-	-	66.4	-
	8-10	11/07/06	21.5	-	NA	-	72.4	-	24.7	-	22.4	-	351	-	-	-	14800	-	-	-	-	-	-	-	-	-	-	-	-	-	59.3	-
	10-12	11/07/06	92.5	-	100	-	36.6	-	7.96	-	9.5	-	108	-	-	-	50200	-	-	-	-	-	-	-	-	-	-	-	-	-	69.5	-
	12-14	11/07/06	15.4	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	6500	-	-	-	-	-	-	-	-	-	-	-	-	-	25.4	-
	14-16	11/07/06	13.4	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	4250	-	-	-	-	-	-	-	-	-	-	-	-	-	25.7	-
	16-18	11/07/06	9.46	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	4200	-	-	-	-	-	-	-	-	-	-	-	-	-	20.1	-
	24-26	11/07/06	4.83	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	1440	-	-	-	-	-	-	-	-	-	-	-	-	-	21.1	-
AB18	4-6	11/08/06	10.8	-	8.67	-	17	-	20.4	-	49.9	-	101	-	-	-	3950	-	-	-	-	-	-	-	-	-	-	-	-	-	80.2	-
	6-8	11/08/06	4.13	-	17.7	-	18.5	-	3.71	-	5.18	-	39	-	-	-	750	-	-	-	-	-	-	-	-	-	-	-	-	-	46.9	-
	10-12	11/08/06	3.56	-	20.5	-	19.8	-	3.56	-	4.06	-	38.7	-	-	-	350	-	-	-	-	-	-	-	-	-	-	-	-	-	35.6	-
	12-14	11/08/06	1.82	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	210	-	-	-	-	-	-	-	-	-	-	-	-	-	20.8	-
	14-16	11/08/06	2.14	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	200	-	-	-	-	-	-	-	-	-	-	-	-	-	22.5	-
	16-18	11/08/06	2.51	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	220	-	-	-	-	-	-	-	-	-	-	-	-	-	20.6	-
	18-20	11/08/06	8.39	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	3550	-	-	-	-	-	-	-	-	-	-	-	-	-	25.9	-
	24-26	11/08/06	2.77	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	670	-	-	-	-	-	-	-	-	-	-	-	-	-	23.5	-
AB19	4-6	11/08/06	9.82	-	9.83	-	17	-	19.5	-	46.3	-	97.2	-	-	-	3950	-	-	-	-	-	-	-	-	-	-	-	-	-	70.2	-
	6-8	11/08/06	8.16	-	5.63	-	12.2	-	23.8	-	53.4	-	76	-	-	-	2150	-	-	-	-	-	-	-	-	-	-	-	-	-	63.6	-
	8-10	11/08/06	4.04	-	5.73	-	9.86	-	9.95	-	14.2	-	34.2	-	-	-	1040	-	-	-	-	-	-	-	-	-	-	-	-	-	40.9	-
	10-12	11/08/06	2.94	-	8.2	-	10.4	-	3.55	-	6.33	-	23.2	-	-	-	730	-	-	-	-	-	-	-	-	-	-	-	-	-	29.8	-
	12-14	11/08/06	1.91	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	530	-	-	-	-	-	-	-	-	-	-	-	-	-	28.3	-
	14-16	11/08/06	1.85	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	560	-	-	-	-	-	-	-	-	-	-	-	-	-	25.4	-
AB20	6-8	11/08/06	18.4	-	2.55	-	47	-	29.2	-	49.8	-	296	-	-	-	11800	-	-	-	-	-	-	-	-	-	-	-	-	-	61.3	-
	10-12	11/08/06	13.4	-	16	-	28.8	-	21	-	45.5	-	166	-	-	-	6250	-	-	-	-	-	-	-	-	-	-	-	-	-	54.4	-
	12-14	11/08/06	6.78	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	2350	-	-	-	-	-	-	-	-	-	-	-	-	-	38.1	-
	14-16	11/08/06	4.29	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	950	-	-	-	-	-	-	-	-	-	-	-	-	-	36.5	-
	16-18	11/08/06	1.16	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	175	-	-	-	-	-	-	-	-	-	-	-	-	-	27.8	-
	18-20	11/08/06	1.03	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	210	-	-	-	-	-	-	-	-	-	-	-	-	-	25.6	-
	24-26	11/08/06	1.22	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	250	-	-	-	-	-	-	-	-	-	-	-	-	-	24.1	-
AB21	4-6	11/08/06	20.8	-	NA	-	27.1	-	31.7	-	75.2	-	198	-	-	-	13500	-	-	-	-	-	-	-	-	-	-	-	-	-	86.1	-
	6-8	11/08/06	19.4	-	19.9	-	33.2	-	37.4	-	93.3	-	269	-	-	-	12200	-	-	-	-	-	-	-	-	-	-	-	-	-	59.6	-
	8-10	11/08/06	24.9	-	56.1	-	38	-	68.2	-	171	-	416	-	-	-	19000	-	-	-	-	-	-	-	-	-	-	-	-	-	69.6	-
	10-12	11/08/06	69	-	54	-	46.1	-	105	-	262	-	625	-	-	-	37500	-	-	-	-	-	-	-	-	-	-	-	-	-	80.7	-
	12-14	11/08/06	23.1	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	15000	-	-	-	-	-	-	-	-	-	-	-	-	-	60.2	-
	14-16	11/08/06	9.91	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	4800	-	-	-	-	-	-	-	-	-	-	-	-	-	30.8	-
	16-18	11/08/06	10.1	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	4750	-	-	-	-	-	-	-	-	-	-	-	-	-	25.9	-
AB22	4-6	11/08/06	20.3	-	30.1	-	50.7	-	28.4	-	66	-	348	-	-	-	11000	-	-	-	-	-	-	-	-	-	-	-	-	-	77.4	-
	6-8	11/08/06	64	-	18.5	-	79.8	-	53.9	-	82.5	-	659	-	-	-	30200	-	-	-	-	-	-	-	-	-	-	-	-	-	66.7	-
	8-10	11/08/06	28.6	-	62.5	-	73.5	-	39.5	-	64.1	-	529	-	-	-	11800	-	-	-	-	-	-	-	-	-	-	-	-	-	71.4	-
	10-12	11/08/06	29	-	54.4	-	83.7	-	54.4	-	82	-	691	-	-	-	10500	-	-	-	-	-	-	-	-	-	-	-	-	-	67.1	-
	12-14	11/08/06	17	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	8500	-	-	-	-	-	-	-	NA	-	-	-	-	-	38.2	-
	14-16	11/08/06	18.3	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	11000	-	-	-	-	-	-	-	NA	-	-	-	-	-	43.3	-
	16-18	11/08/06	10.8	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	5300	-	-	-	-	-	-	-	NA	-	-	-	-	-	29.5	-
SED1	0-2	02/25/10	15.4	13.9	14.7	14.9	16.1	18.5	24.6	12.8	53.5	29.9	100	85.7	-	-	3060	1630	-	-	-	-	-	-	-	-	-	-	-	-	77.3	78.6
	2-4'	02/25/10	16.1	28.2	12.2	25.9	18.2	19.2	18.6	56.5	38.9	129	97.5	185	-	-	7060	1050	-	-	-	-	-	-	-	-	-	-	-	-	88.4	88.4
	4-6'	02/25/10	13	18.4	9	10.3	10.5	11.7	29.9	22.2	56.9	123	69.1	99.5	-	-	3420	779	-	-	-	-	-	-	-	-	-	-	-	-	78.4	81.7
SED2	0-2'	02/25/10	19.1	15.2	16.4	17.8	19	20	25.1	12.2	61.6	32.6	125	94.8	-	-	5620	1270	-	-	-	-	-	-	-	-	-	-	-	-	80.8	77
	2-4'	02/25/10	24.6	20.6	28.1	23.9	22.4	22.4	39.7	19.1	80.2	42.5	173	124	-	-	10400	1260	-	-	-	-	-	-	-	-	-	-	-	-	92.4	87.8
	4-6'	02/25/10	15.3	17.4	10.5	11.4	10.5	12.6	24.6	35.6	95	72.8	81.1	93	-	-	1790	937	-	-	-	-	-	-	-	-	-	-	-	-	73.3	65.5
SED3	0-2'	02/25/10	16.4	20.8	13.1	12.8	13.3	15.4	28.8	37.5	64.5	88.1	91	122	-	-	4700	743	-	-	-	-	-	-	-	-	-	-	-	-	83.2	85.6
	2-4'	02/25/10	19.3	21.1	19.6	26.8	15.1	16	31.2	32.3	71	79.8	108	119	-	-	7530	814	-	-	-	-	-	-	-	-	-	-	-	-	92.1	88.5
	4-6'	02/25/10	11.6	19.9	8.8	9.6	7.73	7.82	25	20.1	76.5	147	55.1	71.5	-	-	813	804	-	-	-	-	-	-	-	-	-	-	-	-	64.3	67.2
SED4	0-2'	02/25/10	14.3	9.89	13.7	11.5	14.9	18	39	16.1	45.7	16.4	97	72.6	-	-	2300	1110	-	-	-	-	-	-	-	-	-	-	-	-	61.4	40.6
SED5	0-2'	02/25/10	10.7	10.1	9.4	11.6	8.47	8.48	40.4	34.1	46	46.8	55.6	53.9	-	-	1540	779	-	-	-	-	-	-	-	-	-	-	-	-	57.6	50
SED6	0-2'	02/25/10	14.2	15.6	11.3	13.4	10.7	11	47.5	45.5	65	91.6	80.2	90.7	-	-	2310	771	-	-	-	-	-	-	-	-	-	-	-	-	64.8	51
SED7	0-2'	02/25/10	13.2	15.7	14.1	15.4	12.3	14.7	20.4	21.2	49.9	57.5	72.8	92	-	-	2680	1660	-	-	-	-	-	-	-	-	-	-	-	-	69.6	68.6
	2-4'	02/25/10	9.92	10	6.6	11.3	7.63	7.11	31.4	31.3	36	42.7	44.3	43.2	-	-	1380	803	-	-	-	-	-	-	-	-	-	-	-	-	61.9	60.1
	4-6'	02/25/10	11.3	11.4	7	10.5	6.46	7.69	45.5	25.9	56.3	72	46.1	53.8	-	-	1130	785	-	-	-	-	-	-	-	-	-	-	-	-	69.5	71.6
SED8	0-2'	02/25/10	12.7	14.3	11.6	15.6	10.6	10.1	20.5	27.3	59.2	76.5	66.7	72.8	-	-	2040	1400	-	-	-	-	-	-	-	-	-	-	-	-	69.4	67.9
	2-4'	02/25/10	8.82	10.9	7.9	12.7	7.84	7.82	21	28.3	39.7	54.3	43.2	50.2	-	-	1290	1200	-	-	-	-	-	-	-	-	-	-	-	-	63.2	63.1
SED9	0-2'	02/25/10	11.6	13.6	9.3	17.6	9.23	10.5	17.1	26.7	50.7	77.8	53.8	75.9	-	-	2250	1410	-	-	-	-	-	-	-	-	-	-	-	-	66	64.8
	2-4'	02/25/10	9.6	11.5	7	9.1	7.83	6.92	21.2	31.9	41.9	69.1	43.9	49.2	-	-	1330	620	-	-	-	-	-	-	-	-	-	-	-	-	63	59.7
SED10	0-2'	02/25/10	17.2	11	11.8	15.8	15.7	20.2	23.1	6.82	68.7	22.2	106	76.9	-	-	2800	929	-	-	-	-	-	-	-	-	-	-	-	-	65.4	61.8
	2-4'	02/25/10	11.3	12.2	8.1	12	10.8	12.1	21.9	18.6	45	43.5	62.5	67.2	-	-	1940	785	-	-	-	-	-	-	-	-	-	-	-	-	62	61.2
SED11	0-2'	02/25/10	12.3	11.7	8.8	6.8	8.64	10.5	25.2	19.8	58.7	46.8	55.9	60.3	-	-	1490	1300	-	-	-	-	-	-	-	-	-	-	-	-	64.9	65.9
	2-4'	02/25/10	9.95	8.1	4.4	5.7	7.2	7.4	25.4	16.4	44.9	30.4	42.7	35.8	-	-	1390	649	-	-	-	-	-	-	-	-	-	-	-	-	63.2	63.2

Notes are found on page 40

Table 3
Soil/Sediment Analytical Data

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

			Hydrocarbons (mg/kg as-received)																											
		Constituent	Oil and Grease (%)		TPH-DRO		TPH-ORO		TPH-GRO		Aliphatic C6-C8		Aliphatic >C8-C10		Aliphatic >C10-C12		Aliphatic >C12-C16		Aliphatic >C16-C35		Aromatic >C8-C10		Aromatic >C10-C12		Aromatic C12-C16		Aromatic >C16-C21		Aromatic >C21-C35	
		Sampler	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
	Standards	**RECAP Soil_SSni**	NS		65		180		65		1200		120		230		370		7100		65		120		180		150		180	
		RECAP SoilGW2	NS		65		10000		65		10000		5300		10000		10000		10000		65		100		200		2100		10000	
		29-B	1		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Boring ID	**Interval (ft bls)**	**Date**																												
AB16	4-6	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-10	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/07/06	-	-	21.6	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/07/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24-26	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB18	4-6	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6-8	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/08/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/08/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-20	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24-26	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB19	4-6	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6-8	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-10	11/08/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/08/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB20	6-8	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/08/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/08/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-20	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24-26	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB21	4-6	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6-8	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-10	11/08/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/08/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB22	4-6	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6-8	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-10	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/08/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/08/06	-	-	<10.0	-	<50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED1	0-2	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED2	0-2'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED3	0-2'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED4	0-2'	02/25/10	-	0.305	287	<50	366	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED5	0-2'	02/25/10	-	0.152	96.8	<50	366	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED6	0-2'	02/25/10	-	1.83	360	32.9	1080	49.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED7	0-2'	02/25/10	-	0.223	163	<50	316	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/25/10	-	0.706	2050	294	1410	93.6	-	-	-	-	-	-	-	6.41	-	60.5	-	247	-	-	-	<10	-	<15	-	<15	-	<15
	4-6'	02/25/10	-	0.518	853	171	478	46	-	-	-	-	-	-	-	<15	-	16.5	-	158	-	-	-	<10	-	<15	-	<15	-	<15
SED8	0-2'	02/25/10	-	0.236	108	<50	96.4	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/25/10	-	0.184	340	147	199	26	-	-	-	-	-	-	-	<15	-	37.4	-	123	-	-	-	<10	-	<15	-	<15	-	<15
SED9	0-2'	02/25/10	-	0.11	57.4	<50	103	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/25/10	-	0.0963	80.3	<50	78.4	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED10	0-2'	02/25/10	-	0.205	122	<50	142	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/25/10	-	0.184	191	42.8	183	4.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED11	0-2'	02/25/10	-	0.469	337	<50	260	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/25/10	-	0.251	342	57.4	266	<50	-	-	-	-	-	-	-	<15	-	10	-	54.5	-	-	-	<10	-	<15	-	<15	-	<15

Notes are found on page 40

Table 3
Soil/Sediment Analytical Data

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

			PAHs (mg/kg)																															
		Constituent	2-methylnaphthalene		Acenaphthene		Acenaphthylene		Anthracene		Benzo(a)anthracene		Benzo(a)pyrene		Benzo(b)fluoranthene		Benzo(k)fluoranthene		Chrysene		Dibenz(a,h)anthracene		Fluoranthene		Fluorene		Indeno(1,2,3-cd)pyrene		Naphthalene		Phenanthrene		Pyrene	
		Sampler	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
Standards		**RECAP Soil_SSni**	22		370		350		2200		0.62		0.33		0.62		0.62		62		0.33		220		280		0.62		6.2		2100		230	
		RECAP SoilGW2	1.7		220		88		88		3.9		23		13		120		76		76		1200		230		9.2		0.9		660		1100	
		29-B	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Boring ID	**Interval (ft bls)**	**Date**																																
AB16	4-6	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-10	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24-26	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB18	4-6	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6-8	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-20	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24-26	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB19	4-6	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6-8	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-10	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB20	6-8	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-20	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24-26	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB21	4-6	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6-8	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-10	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB22	4-6	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6-8	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-10	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED1	0-2	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED2	0-2'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED3	0-2'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED4	0-2'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED5	0-2'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED6	0-2'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED7	0-2'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED8	0-2'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED9	0-2'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED10	0-2'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED11	0-2'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes are found on page 40

Table 3
Soil/Sediment Analytical Data

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

			Volatile Organics (mg/kg)								Radionuclides						PCBs (mg/kg as received)														
		Constituent	Benzene		Ethylbenzene		Toluene		Xylene		Radium 226		Radium 228		Radium 226/228		Total PCBs	Aroclor-1016		Aroclor-1221		Aroclor-1232		Aroclor-1242		Aroclor-1248		Aroclor-1254		Aroclor-1260	
		Sampler	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
	Standards	**RECAP Soil_SSni**	1.5		160		68		18		68		18		18		0.11	NS		NS		NS		NS		NS		NS		NS	
		RECAP SoilGW2	0.051		19		20		180		20		180		180		19	NS		NS		NS		NS		NS		NS		NS	
		29-B	NS		NS		NS		NS		NS		NS		NS		NS	NS		NS		NS		NS		NS		NS		NS	
Boring ID	**Interval (ft bls)**	**Date**																													
AB16	4-6	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-10	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24-26	11/07/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB18	4-6	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6-8	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-20	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24-26	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB19	4-6	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6-8	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-10	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB20	6-8	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18-20	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24-26	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB21	4-6	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6-8	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-10	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB22	4-6	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6-8	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8-10	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10-12	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-14	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14-16	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16-18	11/08/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED1	0-2	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED2	0-2'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED3	0-2'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED4	0-2'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.097	-	<0.04	-	<0.04	-	<0.04	-	<0.04	-	<0.04	-	<0.04	-	<0.04
SED5	0-2'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0785	-	<0.04	-	<0.04	-	<0.04	-	<0.04	-	<0.04	-	<0.04	-	<0.04
SED6	0-2'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1.19	-	<0.04	-	<0.04	-	<0.04	-	<0.04	-	<0.04	-	<0.04	-	<0.04
SED7	0-2'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0979	-	<0.04	-	<0.04	-	<0.04	-	<0.04	-	<0.04	-	<0.04	-	<0.04
	4-6'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.204	-	<0.04	-	<0.04	-	<0.04	-	<0.04	-	<0.04	-	0.083	-	<0.04
SED8	0-2'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1.29	-	<0.04	-	<0.04	-	<0.04	-	<0.04	-	<0.04	-	<0.04	-	<0.04
	2-4'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED9	0-2'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED10	0-2'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED11	0-2'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes are found on page 40

Table 3
Soil/Sediment Analytical Data

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

			Metals (mg/kg As-received)																								SPLP Metals (mg/L)							
		Constituent	Arsenic		Barium		True Total Barium		Cadmium		Chromium		Lead		Mercury		Selenium		Silver		Sodium		Strontium		Zinc		Barium		Chromium		Lead		Mercury	
		Sampler	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
	Standards	**RECAP Soil_SSni**	12		550		NS		3.9		12000		400		2.3		3.9		NS		NS		NS		2300		NS		NS		NS		NS	
		RECAP SoilGW2	100		2000		NS		20		100		100		4		20		NS		NS		NS		2800		NS		NS		NS		NS	
		29-B	10	10	NS	NS	20000	20000	10	10	500	500	500	500	10	10	10	10	NS	NS	NS	NS	NS	NS	500	500	NS		NS		NS		NS	
Boring ID	**Interval (ft bls)**	**Date**																																
SED12	0-2'	02/25/10	1.1438	1.1	280.833	326	-	1300	-	-	-	-	-	-	0.038528	0.023	ND	0.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/25/10	1.96876	1.98	498	567	-	2100	-	-	-	-	-	-	0.068724	0.031	ND	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6'	02/25/10	1.71602	1.26	488.24	477	-	2290	-	-	-	-	-	-	0.048106	0.028	ND	0.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED13	0-2'	02/26/10	1.08432	1.19	194.023	168	-	1310	-	-	-	-	-	-	0.057981	0.018	ND	0.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/26/10	1.13816	1.42	223.696	382	-	1510	-	-	-	-	-	-	-	0.015	ND	<1.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED14	0-2'	02/26/10	0.97569	1	345.74	287	-	1710	-	-	-	-	-	-	0.030179	0.019	ND	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/26/10	1.96882	1.45	528.22	448	-	2670	-	-	-	-	-	-	0.042532	0.025	ND	0.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED16	0-2'	02/26/10	1.08926	0.97	57.78	60	-	339	-	-	-	-	-	-	0.129256	0.016	ND	0.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED17	0-2'	02/26/10	1.0592	1.34	550.4	524	-	3330	-	-	-	-	-	-	0.0464	0.02	ND	0.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/26/10	1.73043	1.9	698.49	838	-	4660	-	-	-	-	-	-	0.09477	0.033	ND	0.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED18	0-2'	02/26/10	1.3974	1.79	364.65	554	-	4870	-	-	-	-	-	-	0.03825	0.03	ND	0.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/26/10	1.39	1.43	383.64	611	-	4850	-	-	-	-	-	-	0.040866	0.034	ND	0.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED19	0-2'	02/26/10	1.47888	1.73	814.32	1730	-	8460	-	<0.2	-	6.22	-	13.3	0.06864	0.074	ND	0.32	-	-	-	-	-	41.4	-	-	-	-	-	-	-	-	-	-
	2-4'	02/26/10	2.56186	1.8	479.08	860	-	3360	-	-	-	-	-	-	0.078358	0.054	ND	0.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED20	0-2'	02/26/10	1.67608	1.46	225.008	246	-	953	-	-	-	-	-	-	0.061992	0.025	ND	0.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/26/10	2.1754	1.93	308.79	284	-	1460	-	-	-	-	-	-	-	0.025	ND	0.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED21	0-2'	02/26/10	1.09022	1.1	174.556	154	-	702	-	-	-	-	-	-	-	0.013	ND	0.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/26/10	1.87978	1.66	422.24	335	-	1700	-	-	-	-	-	-	-	0.011	ND	0.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6'	02/26/10	2.47896	2.28	411.84	437	-	1690	-	-	-	-	-	-	0.05544	0.042	ND	0.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6-8'	02/26/10	2.13792	1.5	473.28	465	-	1220	-	-	-	-	-	-	-	0.037	ND	0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED22	0-2'	02/26/10	0.99538	1.43	202.563	257	-	861	-	-	-	-	-	-	-	0.022	ND	0.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/26/10	2.3976	2.17	233.64	220	-	835	-	-	-	-	-	-	0.108	0.024	ND	0.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED23	0-2'	03/02/10	2.16033	1.33	285.048	437	-	2530	-	-	-	-	-	-	-	0.025	ND	0.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	03/02/10	1.72935	1.11	290.055	429	-	1670	-	-	-	-	-	-	-	0.02	ND	0.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED24	0-2'	03/02/10	2.07746	1.44	295.108	308	-	1120	-	-	-	-	-	-	-	0.038	ND	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	03/02/10	-	1.5	-	192	-	787	-	-	-	-	-	-	-	0.019	-	0.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED25	0-2'	03/02/10	1.9873	1.38	357.38	484	-	2420	-	-	-	-	-	-	-	0.026	ND	0.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	03/02/10	1.40266	1.19	391.3	579	-	5480	-	-	-	-	-	-	0.031304	0.039	ND	0.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED26	0-2'	03/02/10	1.83168	1.48	303.744	377	-	2050	-	-	-	-	-	-	0.174336	0.11	ND	0.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	03/02/10	1.1067	1.2	137.7	222	-	1780	-	-	-	-	-	-	0.06681	0.022	ND	0.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED27	0-2'	03/02/10	1.34145	0.92	148.508	163	-	863	-	-	-	-	-	-	-	0.021	ND	0.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	03/02/10	1.58046	1.25	271.89	330	-	1550	-	-	-	-	-	-	0.03975	0.027	ND	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED28	0-2'	03/02/10	1.17432	0.7	115.335	104	-	660	ND	0.048	4.0775	1.4	4.1707	4.16	0.28193	0.13	ND	<1.59	-	-	-	-	-	62.7	-	-	-	-	-	-	-	-	-	-
	2-4'	03/02/10	0.97811	0.47	52.124	56.3	-	496	ND	<0.2	1.47423	0.31	1.31252	1.34	0.035796	0.015	ND	<1.60	-	-	-	-	57.462	62.1	-	-	-	-	-	-	-	-	-	-
SED29	0-2'	03/02/10	0.74202	<1.60	89.474	137	-	740	ND	0.023	2.8054	2.85	2.7058	4.2	-	0.023	ND	<1.60	-	-	-	-	37.018	44.5	-	-	-	-	-	-	-	-	-	-
	2-4'	03/02/10	1.18678	0.7	84.078	140	-	758	ND	0.0084	3.3389	1.45	1.9722	2.79	-	<0.012	ND	<1.60	-	-	-	-	66.086	84.9	-	-	-	-	-	-	-	-	-	-
SED30	0-2'	03/02/10	0.93933	0.5	93.177	119	-	760	ND	0.038	3.213	3.72	3.1374	4.5	-	0.011	ND	<1.59	-	-	-	-	41.58	52.9	-	-	-	-	-	-	-	-	-	-
	2-4'	03/02/10	1.012	0.71	80.432	84.1	-	857	ND	0.01	2.1472	1.05	1.9536	1.97	-	<0.011	ND	<1.60	-	-	-	-	56.32	64.5	-	-	-	-	-	-	-	-	-	-
SED31	0-2'	03/01/10	0.93587	0.34	174.915	160	-	823	-	-	-	-	-	-	0.034684	0.011	ND	0.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	03/01/10	1.17176	0.77	50.434	79.8	-	472	-	-	-	-	-	-	-	0.0043	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6'	03/02/10	1.39722	0.5	53.592	51.3	-	720	-	-	-	-	-	-	-	<0.012	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED32	0-2'	03/01/10	1.23819	0.62	127.42	133	-	524	-	-	-	-	-	-	0.036564	0.012	ND	0.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	03/01/10	1.26224	0.74	56.028	63.3	-	416	-	-	-	-	-	-	0.026565	0.0085	ND	<1.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6'	03/02/10	1.29689	0.51	37.818	37.1	-	706	-	-	-	-	-	-	-	0.005	ND	0.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED33	0-2'	03/01/10	0.85386	0.52	105.07	134	-	436	-	-	-	-	-	-	-	0.016	ND	<1.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	03/01/10	1.08768	0.85	41.976	68.7	-	360	-	-	-	-	-	-	-	0.004	ND	0.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6'	03/02/10	1.04664	0.56	41.118	35.2	-	277	-	-	-	-	-	-	-	<0.012	ND	0.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-RA-1	6.5-7'	05/20/10	-	-	-	-	-	-	-	-		-		-		-		-		-		-		-		-		-		-		-		-
	8-10'	05/20/10	-	-	-	-	-	-	-	-		-		-		-		-		-		-		-		-		-		-		-		-
MPA-RA-2	9-11'	05/20/10	-	-	-	-	-	-	-	-		-		-		-		-		-		-		-		-		-		-		-		-
	11-12'	05/20/10	-	-	-	-	-	-	-	-		-		-		-		-		-		-		-		-		-		-		-		-
MPA-RA-3	9-10.5	05/20/10	-	-	-	-	-	-	-	-		-		-		-		-		-		-		-		-		-		-		-		-
	13-15	05/20/10	-	-	-	-	-	-	-	-		-		-		-		-		-		-		-		-		-		-		-		-
MPA-Sed 15-N	0-2'	06/08/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-Sed-15-W	0-2'	06/08/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-Sed-15-W-2	0-2'	06/08/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-Sed-15-E	0-2'	06/08/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-Sed-15-E-2	0-2'	06/08/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-AB5 (A)	4-6'	05/19/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-AB5 (B)	4-6'	05/19/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-AB5 (C)	4-6'	05/19/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-AB-6	8-10'	05/19/10	1.3	1.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB-6*	8-10	08/10/10	-	1.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 3
Soil/Sediment Analytical Data

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

			Salts and Miscellaneous																													
		Constituent	Electrical Conductivity (mmhos/cm)		Exchangeable Sodium Percentage (%)		Sodium Adsorption Ratio		Soluble Calcium (meq/L)		Soluble Magnesium (meq/L)		Soluble Sodium (meq/L)		Cation Exchange Capacity (meq/100g)		Chlorides (mg/kg)		Sulfate (mg/L)		Bromide (mg/L)		SPLP Chloride (mg/L)		Leachate Chloride (mg/L)		Total Organic Carbon (mg/kg)		pH (S.U.)		Percent Moisture (%)	
		Sampler	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
Standards		RECAP Soil_SSni	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
		RECAP SoilGW2	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
		29-B	NS		NS		NS		NS		NS		NS		NS		500		NS		NS		NS		NS		NS		6-9		NS	
Boring ID	Interval (ft bls)	Date																														
SED12	0-2'	02/25/10	13.6	14.4	11.5	14.2	11.4	14	26.8	20.3	59.5	48.7	74.6	82.3	-	-	1850	980	-	-	-	-	-	-	-	-	-	-	-	-	69.9	67.9
	2-4'	02/25/10	8.15	7.99	7.1	10.4	11	9.35	12	15.3	19.6	23.6	43.7	41.3	-	-	2130	850	-	-	-	-	-	-	-	-	-	-	-	-	66.8	71.6
	4-6'	02/25/10	6.92	8.19	8.9	7.9	10.5	9.3	11.8	17.8	15.6	22.7	38.8	41.9	-	-	1480	486	-	-	-	-	-	-	408	-	-	-	-	-	64.1	67.2
SED13	0-2'	02/26/10	19.7	17.6	15.1	16.9	15.7	17.7	38	27.4	94.7	48.7	128	109	-	-	4340	1710	-	-	-	-	-	-	1280	-	-	-	-	-	74.9	73.4
	2-4'	02/26/10	16.8	19.3	13.8	19.3	18.7	19	36.8	43.7	29.6	36.3	108	120	-	-	3610	1430	-	-	-	-	-	-	958	-	-	-	-	-	67.2	66.6
SED14	0-2'	02/26/10	15.4	14.5	12.6	17.3	17.2	15	11.4	13.6	42	50.2	89.1	84.9	-	-	3830	1110	-	-	-	-	-	-	-	-	-	-	-	-	70.7	71.9
	2-4'	02/26/10	9.88	9.18	8.1	9.8	14	9.53	14	14.5	21.2	28.9	58.8	44.4	-	-	2280	846	-	-	-	-	-	-	-	-	-	-	-	-	65.7	63.8
SED16	0-2'	02/26/10	14.5	14.9	12.2	10.2	13.2	16	20.3	17.9	53.1	47.8	79.8	92	-	-	4440	1240	-	-	-	-	-	-	-	-	-	-	-	-	78.6	81.5
SED17	0-2'	02/26/10	11.3	14.4	12.1	9.8	13.5	11.6	13.7	26.5	40.8	75.2	70.7	82.4	-	-	1880	1150	-	-	-	-	-	-	-	-	-	-	-	-	68	69.7
	2-4'	02/26/10	8.67	9.48	11.8	10.6	9.8	13.7	11	9.54	30.8	27.1	44.8	58.7	-	-	1540	1040	-	-	-	-	-	-	-	-	-	-	-	-	64.9	64
SED18	0-2'	02/26/10	12	12.5	11.4	11.5	12	13.5	20.6	21.8	32.6	35.3	61.9	72	-	-	3270	1370	-	-	-	-	-	-	-	-	-	-	-	-	74.5	74.1
	2-4'	02/26/10	10.5	16.6	8.2	8.5	10.4	9.97	24.1	52.4	37.6	99.2	57.7	86.8	-	-	2180	715	-	-	-	-	-	-	-	-	-	-	-	-	72.2	59
SED19	0-2'	02/26/10	11.8	14.7	6.5	12	9.23	9.05	32.4	37.2	61	77.6	63	68.6	-	-	1870	844	-	-	-	-	-	-	-	-	-	-	-	-	68.8	64.6
	2-4'	02/26/10	7.91	11.4	8.2	6.5	10.4	5.71	24.1	26	37.6	78	57.7	41.2	-	-	2180	618	-	-	-	-	-	-	-	-	-	-	-	-	59.4	59.6
SED20	0-2'	02/26/10	10	13.7	6.5	11.1	9.23	15	32.4	14.6	61	47.8	63	84	-	-	1870	962	-	-	-	-	-	-	-	-	-	-	-	-	67.2	69.4
	2-4'	02/26/10	7.85	6.54	7.5	10.9	7.1	11.1	18.9	5.82	32.5	14.3	36	35.1	-	-	1370	789	-	-	-	-	-	-	-	-	-	-	-	-	63.5	64.8
SED21	0-2'	02/26/10	12.3	13.1	11.3	7.9	14.1	14.2	8.85	14.5	27.1	45.8	59.9	77.8	-	-	2540	982	-	-	-	-	-	-	-	-	-	-	-	-	69.8	68.3
	2-4'	02/26/10	6.34	7.82	5.3	6.3	11	10.7	8.4	10.2	20.1	19	41.6	40.9	-	-	2220	656	-	-	-	-	-	-	355	-	-	-	-	-	59.4	64.1
	4-6'	02/26/10	6.31	6.37	10.6	7.1	11.8	7.53	19.8	10.9	55	21.7	72.1	30.4	-	-	2150	513	-	-	-	-	-	-	302	-	-	-	-	-	60.4	60.5
	6-8'	02/26/10	5.58	7.2	7.1	6.7	11.5	8.04	6.52	13.1	11.8	27.9	34.8	36.4	-	-	1430	549	-	-	-	-	-	-	320	-	-	-	-	-	59.2	57.4
SED22	0-2'	02/26/10	12.5	18.4	5.6	10.5	9.08	13.6	7.95	27.6	16.1	93.2	31.5	106	-	-	1390	1710	-	-	-	-	-	-	-	-	-	-	-	-	68.3	68.8
	2-4'	02/26/10	10	11.6	6.9	11.3	9.43	11.6	7.02	14.1	15.2	33.1	31.4	56.3	-	-	1310	1160	-	-	-	-	-	-	-	-	-	-	-	-	64	62.4
SED23	0-2'	03/02/10	10.5	9.24	8.5	13.3	16.6	14.4	8.44	10.5	32.8	19.7	75.3	55.8	-	-	3240	978	-	-	-	-	-	-	-	-	-	-	-	-	67.9	64.6
	2-4'	03/02/10	9.67	9.85	11.2	9.1	10.3	10.1	16.1	18.2	36	32.1	52.6	50.8	-	-	1980	-	-	-	-	-	-	-	-	-	-	-	-	-	69.5	68.5
SED24	0-2'	03/02/10	7.14	8.2	11	7.6	14.2	11.9	14.1	9.1	27	17.7	64.2	43.4	-	-	2390	-	-	-	-	-	-	-	-	-	-	-	-	-	58.2	65.2
	2-4'	03/02/10	7.3	12.5	7.7	10.3	8.66	8.41	21	31.9	35.8	68.4	46.2	59.6	-	-	1390	-	-	-	-	-	-	-	-	-	-	-	-	-	62	67.4
SED25	0-2'	03/02/10	12.6	18.5	8.2	17.1	12.3	15.6	7.55	39.5	14.9	63	41.3	112	-	-	1970	1390	-	-	-	-	-	-	-	-	-	-	-	-	66.6	66.6
	2-4'	03/02/10	13.2	18.8	8.1	15.2	9.18	15.8	11.9	44.2	26.2	69	40	119	-	-	1340	1400	-	-	-	-	-	-	-	-	-	-	-	-	69.9	67.7
SED26	0-2'	03/02/10	9.12	10.6	13.4	10.8	16.2	13.8	18	36.3	30.5	31.9	79.9	80.3	-	-	2830	825	-	-	-	-	-	-	-	-	-	-	-	-	61.6	65.3
	2-4'	03/02/10	10.6	15.3	18.7	18.7	17.6	18.8	18.4	45.1	31.1	34.6	87.4	119	-	-	3020	841	-	-	-	-	-	-	-	-	-	-	-	-	78	77.3
SED27	0-2'	03/02/10	18.4	22.1	11.3	13.4	14.3	17	21.6	31.7	16.5	111	62.3	144	-	-	1680	1560	-	-	-	-	-	-	-	-	-	-	-	-	72.9	72.1
	2-4'	03/02/10	11	14.4	18.2	8.8	20	12.8	16.4	26.5	10.2	57.8	73.1	83	-	-	2660	1420	-	-	-	-	-	-	-	-	-	-	-	-	68.2	69.7
SED28	0-2'	03/02/10	15.6	23.1	11.1	28.9	15.1	22.1	28.1	45.5	85.3	68.3	114	166	-	-	2910	1990	-	-	-	-	-	-	-	-	-	-	-	-	76.7	78.6
	2-4'	03/02/10	20.7	37.1	11.8	23.7	13.9	29.4	14.6	82.9	32.9	112	67.9	290	-	-	2800	1710	-	-	-	-	-	-	-	-	-	-	-	-	84.3	85.1
SED29	0-2'	03/02/10	19.6	22.5	20.7	27	23.6	28.5	16.7	20.2	27.1	41.8	111	159	-	-	5280	2110	-	-	-	-	-	-	-	-	-	-	-	-	83.4	79.2
	2-4'	03/02/10	21.5	31.3	27	39.3	26.3	30.4	27.6	50.6	37.1	59.8	150	226	-	-	7730	2550	-	-	-	-	-	-	-	-	-	-	-	-	82.7	81.6
SED30	0-2'	03/02/10	23.6	27.5	32.7	24.1	27.7	28.8	18	34.7	37.1	62.1	146	200	-	-	8310	2230	-	-	-	-	-	-	-	-	-	-	-	-	81.1	86.1
	2-4'	03/02/10	41.9	51	19.2	47.9	30.5	73.5	24.9	36.5	30.2	34.8	160	439	-	-	9310	4500	-	-	-	-	-	-	-	-	-	-	-	-	82.4	84.4
SED31	0-2'	03/01/10	18.7	23.6	24.6	19.4	26.9	22.7	29.4	27.6	57	68.8	176	158	-	-	7900	2730	-	-	-	-	-	-	1460	-	-	-	-	-	70.1	69.4
	2-4'	03/01/10	39.6	48.5	56.1	40.2	65.7	31.3	34.1	70	31.7	166	377	339	-	-	18600	3380	-	-	-	-	-	-	2700	-	-	-	-	-	84.9	85.8
	4-6'	03/02/10	26.4	34.7	10.3	19	21.4	27.1	17.5	40	46.3	104	121	230	-	-	6120	2200	-	-	-	-	-	-	2310	-	-	-	-	-	68.1	69.4
SED32	0-2'	03/01/10	13.3	23.8	25.9	12.3	32.5	17.7	42.3	39.8	104	105	278	151	-	-	19400	1910	-	-	-	-	-	-	1030	-	-	-	-	-	72.3	71.9
	2-4'	03/01/10	18.2	20.5	18.3	18.8	25.4	17.3	28.9	26.5	73.5	66.8	182	118	-	-	8170	1450	-	-	-	-	-	-	1140	-	-	-	-	-	83.9	85.4
	4-6'	03/02/10	15.8	18.9	18.4	14.1	15.6	16.2	12.3	26.5	36.9	67.5	77.2	111	-	-	3250	775	-	-	-	-	-	-	621	-	-	-	-	-	80.9	84.1
SED33	0-2'	03/01/10	21.2	28.2	29.8	14.1	17.6	26	22.6	26.6	56.7	76.8	111	187	-	-	7510	2840	-	-	-	-	-	-	1920	-	-	-	-	-	73.4	73.4
	2-4'	03/01/10	37.4	47.2	10.3	31.5	15.6	31.5	20.4	59.8	53.3	156	94.7	328	-	-	5020	2780	-	-	-	-	-	-	2310	-	-	-	-	-	86.8	87.2
	4-6'	03/02/10	25	41.3	10.8	19.2	23.5	26.1	17.6	57.1	52.7	138	140	258	-	-	8170	2290	-	-	-	-	-	-	2340	-	-	-	-	-	73.3	77.9
MPA-RA-1	6.5-7'	05/20/10		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-
	8-10'	05/20/10		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-
MPA-RA-2	9-11'	05/20/10		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-
	11-12'	05/20/10		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-
MPA-RA-3	9-10.5	05/20/10		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-
	13-15	05/20/10		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-
MPA-Sed 15-N	0-2'	06/08/10	-	-	26.5	-	31.7	-	36.8	-	99.1	-	261	-	-	-	20500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-Sed-15-W	0-2'	06/08/10	-	-	19.9	-	21.8	-	32.8	-	79.1	-	163	-	-	-	7470	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-Sed-15-W-2	0-2'	06/08/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-Sed-15-E	0-2'	06/08/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-Sed-15-E-2	0-2'	06/08/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-AB5 (A)	4-6'	05/19/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-AB5 (B)	4-6'	05/19/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-AB5 (C)	4-6'	05/19/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-AB-6	8-10'	05/19/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	86
AB-6*	8-10	08/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	86.1

Table 3
Soil/Sediment Analytical Data

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

			Hydrocarbons (mg/kg as-received)																											
		Constituent	Oil and Grease (%)		TPH-DRO		TPH-ORO		TPH-GRO		Aliphatic C6-C8		Aliphatic >C8-C10		Aliphatic >C10-C12		Aliphatic >C12-C16		Aliphatic >C16-C35		Aromatic >C8-C10		Aromatic >C10-C12		Aromatic C12-C16		Aromatic >C16-C21		Aromatic >C21-C35	
		Sampler	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
	Standards	**RECAP Soil_SSni**	NS		65		180		65		1200		120		230		370		7100		65		120		180		150		180	
		RECAP SoilGW2	NS		65		10000		65		10000		5300		10000		10000		10000		65		100		200		2100		10000	
		29-B	1		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Boring ID	**Interval (ft bls)**	**Date**																												
SED12	0-2'	02/25/10	-	0.298	216	<50	194	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/25/10	-	0.801	1220	181	682	37.1	-	-	-	-	-	-	-	<15	-	47.1	-	175	-	-	-	<10	-	<15	-	<15	-	<15
	4-6'	02/25/10	-	0.621	1760	171	979	29.9	-	-	-	-	-	-	-	<15	-	21.3	-	125	-	-	-	<10	-	<15	-	<15	-	<15
SED13	0-2'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED14	0-2'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED16	0-2'	02/26/10	-	0.202	70.8	<50	118	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED17	0-2'	02/26/10	-	0.327	314	<50	193	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/26/10	-	0.376	270	<50	174	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED18	0-2'	02/26/10	-	0.411	465	80.7	297	6.4	-	-	-	-	-	-	-	<15	-	11.5	-	47.3	-	-	-	<10	-	<15	-	<15	-	<15
	2-4'	02/26/10	-	0.268	637	84.5	415	13.2	-	-	-	-	-	-	-	<15	-	19	-	113	-	-	-	<10	-	<15	-	<15	-	<15
SED19	0-2'	02/26/10	-	0.191	2350	758	798	153	-	-	-	-	-	-	-	6.51	-	92.7	-	442	-	-	-	<10	-	10.4	-	30.4	-	55.1
	2-4'	02/26/10	-	0.336	1190	306	562	23.5	-	-	-	-	-	-	-	5.99	-	72	-	247	-	-	-	<10	-	<15	-	<15	-	<15
SED20	0-2'	02/26/10	-	0.0753	112	<50	100	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/26/10	-	2.26	190	<50	158	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED21	0-2'	02/26/10	-	0.13	138	<50	135	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/26/10	-	0.216	368	<50	292	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6'	02/26/10	-	0.282	561	137	383	18.2	-	-	-	-	-	-	-	<15	-	19.3	-	84.5	-	-	-	<10	-	<15	-	<15	-	<15
	6-8'	02/26/10	-	0.34	2100	70.3	1160	<50	-	-	-	-	-	-	-	<15	-	16.4	-	48.9	-	-	-	<10	-	<15	-	<15	-	<15
SED22	0-2'	02/26/10	-	0.227	128	<50	115	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/26/10	-	0.434	122	<50	106	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED23	0-2'	03/02/10	-	7.53	1670	414	907	110	-	-	-	-	-	-	-	<15	-	36.3	-	400	-	-	-	<10	-	7.18	-	34	-	65.4
	2-4'	03/02/10	-	0.0923	2120	563	1200	123	-	-	-	-	-	-	-	<15	-	71.5	-	468	-	-	-	<10	-	<15	-	32.2	-	71.3
SED24	0-2'	03/02/10	-	0.208	297	<50	294	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	03/02/10	-	0.265	101	<50	101	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED25	0-2'	03/02/10	-	0.445	996	84.4	527	8.38	-	-	-	-	-	-	-	<15	-	21	-	96.8	-	-	-	<10	-	<15	-	<15	-	<15
	2-4'	03/02/10	-	0.0813	348	15.8	280	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED26	0-2'	03/02/10	-	4.45	10900	2350	4770	352	-	-	-	-	-	-	-	31.4	-	283	-	890	-	-	-	5.04	-	94.9	-	161	-	180
	2-4'	03/02/10	-	3.25	2940	299	1330	57.9	-	-	-	-	-	-	-	<15	-	34.5	-	111	-	-	-	<10	-	8.16	-	15.5	-	7.72
SED27	0-2'	03/02/10	-	0.199	179	106	175	20	-	-	-	-	-	-	-	<15	-	6.79	-	76.8	-	-	-	<10	-	<15	-	<15	-	<15
	2-4'	03/02/10	-	0.32	623	146	451	25	-	-	-	-	-	-	-	<15	-	16.2	-	109	-	-	-	<10	-	<15	-	<15	-	<15
SED28	0-2'	03/02/10	-	7.22	8420	5420	3360	906	-	-	-	-	-	-	-	110	-	120	-	2690	-	-	-	6.6	-	169	-	290	-	433
	2-4'	03/02/10	-	1.09	514	153	351	10.5	-	-	-	-	-	-	-	<15	-	7.72	-	165	-	-	-	<10	-	<15	-	<15	-	<15
SED29	0-2'	03/02/10	-	4.87	1520	1030	1290	287	-	-	-	-	-	-	-	<15	-	53.6	-	469	-	-	-	<10	-	<15	-	60.4	-	183
	2-4'	03/02/10	-	1.88	148	<50	149	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED30	0-2'	03/02/10	-	8.37	7770	1770	4180	390	-	-	-	-	-	-	-	17.9	-	362	-	1350	-	-	-	<10	-	25.6	-	100	-	215
	2-4'	03/02/10	-	<0.05	646	72.3	645	4.81	-	-	-	-	-	-	-	<15	-	13.7	-	59.7	-	-	-	<10	-	<15	-	<15	-	<15
SED31	0-2'	03/01/10	-	1.61	1480	441	668	87	-	-	-	-	-	-	-	9.46	-	87.3	-	389	-	-	-	<10	-	<15	-	38.7	-	60.4
	2-4'	03/01/10	-	2.31	550	299	79.5	26.8	-	-	-	-	-	-	-	22.3	-	98.1	-	190	-	-	-	<10	-	7.95	-	19.1	-	17.1
	4-6'	03/02/10	-	0.295	215	20.2	125	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED32	0-2'	03/01/10	-	4.77	1430	905	358	177	-	-	-	-	-	-	-	26.3	-	257	-	736	-	-	-	<10	-	16.6	-	66.9	-	98.3
	2-4'	03/01/10	-	0.186	82.1	20.6	<50	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6'	03/02/10	-	0.461	90.8	<50	73.5	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED33	0-2'	03/01/10	-	1.06	130	155	55.1	35.3	-	-	-	-	-	-	-	<15	-	40.9	-	93.2	-	-	-	<10	-	<15	-	<15	-	<15
	2-4'	03/01/10	-	0.397	50.6	<50	<50	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6'	03/02/10	-	0.322	53.9	<50	85.9	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-RA-1	6.5-7'	05/20/10		-		-		-		-		-		-		-		-		-		-		-		-		-		-
	8-10'	05/20/10		-		-		-		-		-		-		-		-		-		-		-		-		-		-
MPA-RA-2	9-11'	05/20/10		-		-		-		-		-		-		-		-		-		-		-		-		-		-
	11-12'	05/20/10		-		-		-		-		-		-		-		-		-		-		-		-		-		-
MPA-RA-3	9-10.5	05/20/10		-		-		-		-		-		-		-		-		-		-		-		-		-		-
	13-15	05/20/10		-		-		-		-		-		-		-		-		-		-		-		-		-		-
MPA-Sed 15-N	0-2'	06/08/10	-	-	30.5	-	56.3	-	-	-	-	-	-	-	-	<15	-	<10.0	-	<10.0	-	-	-	<10	-	<15	-	<15	-	<15
MPA-Sed-15-W	0-2'	06/08/10	-	-	<20	-	<50	-	-	-	-	-	-	-	-	<15	-	<10.0	-	<10.0	-	-	-	<10	-	<15	-	<15	-	<15
MPA-Sed-15-W-2	0-2'	06/08/10	-	-	-	-	-	-	-	-	-	-	-	-	-	<15	-	<10.0	-	<10.0	-	-	-	<10	-	<15	-	<15	-	<15
MPA-Sed-15-E	0-2'	06/08/10	-	-	200	-	144	-	-	-	-	-	-	-	-	<15	-	<10.0	-	<10.0	-	-	-	<10	-	<15	-	<15	-	<15
MPA-Sed-15-E-2	0-2'	06/08/10	-	-	60.7	-	69.6	-	-	-	-	-	-	-	-	<15	-	<10.0	-	<10.0	-	-	-	<10	-	<15	-	<15	-	<15
MPA-AB5 (A)	4-6'	05/19/10	-	-	<20.0	-	<50.0	-	-	-	-	-	-	-	-	<15	-	<10.0	-	<10.0	-	-	-	<10	-	<15	-	<15	-	<15
MPA-AB5 (B)	4-6'	05/19/10	-	-	23.7	-	<50.0	-	-	-	-	-	-	-	-	<15	-	<10.0	-	<10.0	-	-	-	<10	-	<15	-	<15	-	<15
MPA-AB5 (C)	4-6'	05/19/10	-	-	<20.0	-	<50.0	-	-	-	-	-	-	-	-	<15	-	<10.0	-	<10.0	-	-	-	<10	-	<15	-	<15	-	<15
MPA-AB-6	8-10'	05/19/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB-6*	8-10	08/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 3
Soil/Sediment Analytical Data

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

			PAHs (mg/kg)																															
		Constituent	2-methylnaphthalene		Acenaphthene		Acenaphthylene		Anthracene		Benzo(a)anthracene		Benzo(a)pyrene		Benzo(b)fluoranthene		Benzo(k)fluoranthene		Chrysene		Dibenz(a,h)anthracene		Fluoranthene		Fluorene		Indeno(1,2,3-cd)pyrene		Naphthalene		Phenanthrene		Pyrene	
		Sampler	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
	Standards	**RECAP Soil_SSni**	22		370		350		2200		0.62		0.33		0.62		0.62		62		0.33		220		280		0.62		6.2		2100		230	
		RECAP SoilGW2	1.7		220		88		88		3.9		23		13		120		76		76		1200		230		9.2		0.9		660		1100	
		29-B	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Boring ID	**Interval (ft bls)**	**Date**																																
SED12	0-2'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED13	0-2'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED14	0-2'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED16	0-2'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED17	0-2'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED18	0-2'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED19	0-2'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED20	0-2'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED21	0-2'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6-8'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED22	0-2'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED23	0-2'	03/02/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	03/02/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED24	0-2'	03/02/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	03/02/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED25	0-2'	03/02/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	03/02/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED26	0-2'	03/02/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	03/02/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED27	0-2'	03/02/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	03/02/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED28	0-2'	03/02/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	03/02/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED29	0-2'	03/02/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	03/02/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED30	0-2'	03/02/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	03/02/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED31	0-2'	03/01/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	03/01/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6'	03/02/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED32	0-2'	03/01/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	03/01/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6'	03/02/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED33	0-2'	03/01/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	03/01/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6'	03/02/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-RA-1	6.5-7'	05/20/10		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-
	8-10'	05/20/10		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-
MPA-RA-2	9-11'	05/20/10		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-
	11-12'	05/20/10		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-
MPA-RA-3	9-10.5	05/20/10		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-
	13-15	05/20/10		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-
MPA-Sed 15-N	0-2'	06/08/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-Sed-15-W	0-2'	06/08/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-Sed-15-W-2	0-2'	06/08/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-Sed-15-E	0-2'	06/08/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-Sed-15-E-2	0-2'	06/08/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-AB5 (A)	4-6'	05/19/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-AB5 (B)	4-6'	05/19/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-AB5 (C)	4-6'	05/19/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-AB-6	8-10'	05/19/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB-6*	8-10	08/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 3
Soil/Sediment Analytical Data

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

			Volatile Organics (mg/kg)								Radionuclides						PCBs (mg/kg as received)														
		Constituent	Benzene		Ethylbenzene		Toluene		Xylene		Radium 226		Radium 228		Radium 226/228		Total PCBs	Aroclor-1016		Aroclor-1221		Aroclor-1232		Aroclor-1242		Aroclor-1248		Aroclor-1254		Aroclor-1260	
		Sampler	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
	Standards	**RECAP Soil_SSni**	1.5		160		68		18		68		18		18		0.11	NS		NS		NS		NS		NS		NS		NS	
		RECAP SoilGW2	0.051		19		20		180		20		180		180		19	NS		NS		NS		NS		NS		NS		NS	
		29-B	NS		NS		NS		NS		NS		NS		NS		NS	NS		NS		NS		NS		NS		NS		NS	
Boring ID	**Interval (ft bls)**	**Date**																													
SED12	0-2'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6'	02/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED13	0-2'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED14	0-2'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED16	0-2'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED17	0-2'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED18	0-2'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED19	0-2'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED20	0-2'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED21	0-2'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6-8'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED22	0-2'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED23	0-2'	03/02/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	03/02/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED24	0-2'	03/02/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	03/02/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED25	0-2'	03/02/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	03/02/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED26	0-2'	03/02/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	03/02/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED27	0-2'	03/02/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	03/02/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED28	0-2'	03/02/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	03/02/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED29	0-2'	03/02/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	03/02/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED30	0-2'	03/02/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	03/02/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED31	0-2'	03/01/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	03/01/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6'	03/02/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED32	0-2'	03/01/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	03/01/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6'	03/02/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED33	0-2'	03/01/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	03/01/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6'	03/02/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-RA-1	6.5-7'	05/20/10		-		-		-		-		1.79		1.71		3.5			-		-		-		-		-		-		-
	8-10'	05/20/10		-		-		-		-		1.92		2.47		4.39			-		-		-		-		-		-		-
MPA-RA-2	9-11'	05/20/10		-		-		-		-		1.34		1.17		2.51			-		-		-		-		-		-		-
	11-12'	05/20/10		-		-		-		-		1.67		1.79		3.46			-		-		-		-		-		-		-
MPA-RA-3	9-10.5	05/20/10		-		-		-		-		1.02		1.47		2.49			-		-		-		-		-		-		-
	13-15	05/20/10		-		-		-		-		2.26		2.54		4.8			-		-		-		-		-		-		-
MPA-Sed 15-N	0-2'	06/08/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-Sed-15-W	0-2'	06/08/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-Sed-15-W-2	0-2'	06/08/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-Sed-15-E	0-2'	06/08/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-Sed-15-E-2	0-2'	06/08/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-AB5 (A)	4-6'	05/19/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-AB5 (B)	4-6'	05/19/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-AB5 (C)	4-6'	05/19/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-AB-6	8-10'	05/19/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB-6*	8-10	08/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 3
Soil/Sediment Analytical Data

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

			Metals (mg/kg As-received)																								SPLP Metals (mg/L)							
		Constituent	Arsenic		Barium		True Total Barium		Cadmium		Chromium		Lead		Mercury		Selenium		Silver		Sodium		Strontium		Zinc		Barium		Chromium		Lead		Mercury	
		Sampler	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
	Standards	**RECAP Soil_SSni**	12		550		NS		3.9		12000		400		2.3		3.9		NS		NS		NS		2300		NS		NS		NS		NS	
		RECAP SoilGW2	100		2000		NS		20		100		100		4		20		NS		NS		NS		2800		NS		NS		NS		NS	
		29-B	10	10	NS	NS	20000	20000	10	10	500	500	500	500	10	10	10	10	NS	NS	NS	NS	NS	NS	500	500	NS		NS		NS		NS	
Boring ID	**Interval (ft bls)**	**Date**																																
MPA-AB13	0-3'	05/20/10	0.68	1.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB-13*	0-3'	08/10/10	-	2.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB-13 SO-E*	0-3'	08/10/10	-	1.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB-14*	0-3'	08/10/10	-	2.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-AB8	6-8	05/19/10	1.2	1.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB-8	6-8	08/10/10	-	1.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB-8 SO-S*	6-8	08/10/10	-	1.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB-5 SO-NE*	4-6'	08/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB-5 SO-NW*	4-6'	08/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB-5a*	4-5.5'	08/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB-15*	4-5.5'	08/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-8	0-6"	05/06/10	2.19785	1.58	280.08	193	-	-	<0.19	<0.2	4.8236	5.74	7.3521	8.24	0.047069	0.038	<0.77	<1.6	-	-	-	-	16.9993	16	18.7887	20.6	-	-	-	-	-	-	-	-
SED-9	0-6"	05/05/10	0.9744	2.01	131.95	204	-	-	<0.14	<0.2	4.002	4.24	5.684	6.19	0.029	0.035	<0.58	<1.59	-	-	-	-	12.615	14	15.747	16.3	-	-	-	-	-	-	-	-
SED-11	0-6"	05/06/10	1.5408	1.5	228.873	188	-	-	<0.16	<0.2	4.3656	4.95	6.1953	6.42	<0.03	0.033	<0.64	<1.6	-	-	-	-	14.4771	15.1	16.4994	17.7	-	-	-	-	-	-	-	-
SED-13	0-6"	05/06/10	0.75884	1.38	142.984	250	-	-	<0.12	<0.2	3.8308	5.09	4.4164	6.06	<0.02	0.029	<0.49	<1.6	-	-	-	-	12.0536	15.2	14.9816	17.9	-	-	-	-	-	-	-	-
SED-19	0-6"	05/06/10	0.4899	0.8	109.908	110	-	-	<0.11	<0.2	2.9394	4.43	3.621	5.06	0.03408	0.038	<0.42	<1.6	-	-	-	-	10.0962	12.6	12.1623	15.2	-	-	-	-	-	-	-	-
SED-24	0-6"	05/05/10	0.97965	3.5	134.974	400	-	-	<0.16	0.0086	3.9497	4.93	5.598	8.4	<0.03	0.037	<0.62	<1.59	-	-	-	-	12.9065	23	15.6433	20.7	-	-	-	-	-	-	-	-
SED-26	0-6"	05/05/10	0.9676	1.61	119.77	169	-	-	<0.15	<0.2	3.422	5.39	4.9265	7.24	0.09263	0.05	<0.59	<1.6	-	-	-	-	13.039	16.9	14.9565	20.1	-	-	-	-	-	-	-	-
SED-31	0-6"	05/05/10	1.5408	2.57	177.834	351	-	-	<0.16	0.019	4.1409	5.44	5.9385	7.92	0.036915	0.051	<0.64	<1.6	-	-	-	-	13.9956	20.2	15.9537	20.7	-	-	-	-	-	-	-	-
SED-120 (SED-30 DUP)	0-6"	05/07/10	1.01	0.64	72.98	132	-	-	ND	0.038	1.63	6.27	1.45248	5.95	ND	0.072	ND	<1.6	-	-	-	-	55.714	77.4	11.0538	72.5	-	-	-	-	-	-	-	-
Hg-MPA-01	0-0.5'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	0.13689	0.086	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.5-2'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	0.196724	0.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5-7'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	0.09114	0.085	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hg-MPA-02	0-0.5'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	0.076713	0.088	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.5-2'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	0.169521	0.075	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5-7'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	<0.0446	0.038	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hg-MPA-03	0-0.5'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	0.066787	0.057	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.5-2'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	0.106515	0.073	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	0.06493	0.066	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hg-MPA-04	0-0.5'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	0.043977	0.037	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.5-2'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	<0.052	0.024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-5'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	<0.0464	0.012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hg-MPA-05	0-0.5'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	0.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.5-2'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	0.047	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6-8'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hg-MPA-06	0-0.5'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	0.071484	0.043	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.5-2'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	0.321186	0.045	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5-6'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	<0.0484	0.015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hg-MPA-07	0-0.5'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	0.08874	0.053	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.5-2'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	8.7675	0.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6.5-7'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	<0.053	0.015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hg-MPA-08	0-0.5'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	0.057448	0.036	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.5-2'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	0.118864	0.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7.5-8'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	0.131274	0.046	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hg-MPA-09	0-0.5'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	3.443	0.044	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.5-2'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	0.090272	0.046	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6-7'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	<0.0556	0.017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hg-MPA-09dup	0.5-2'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	0.059	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP-MPA-01	(0-0.5)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(0.5-2)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(2-4.3)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(4.3-4.7)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(8-9)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP-MPA-02	(0-0.5)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(0.5-2)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(3-4)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(4-5)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP-MPA-02a	(3-5)	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(7-8)	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP-MPA-03	(0-0.5)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(0.5-2)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(4-6)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(9-10)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes are found on page 40

Table 3
Soil/Sediment Analytical Data

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

			Salts and Miscellaneous																													
		Constituent	Electrical Conductivity (mmhos/cm)		Exchangeable Sodium Percentage (%)		Sodium Adsorption Ratio		Soluble Calcium (meq/L)		Soluble Magnesium (meq/L)		Soluble Sodium (meq/L)		Cation Exchange Capacity (meq/100g)		Chlorides (mg/kg)		Sulfate (mg/L)		Bromide (mg/L)		SPLP Chloride (mg/L)		Leachate Chloride (mg/L)		Total Organic Carbon (mg/kg)		pH (S.U.)		Percent Moisture (%)	
		Sampler	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
	Standards	**RECAP Soil_SSni**	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
		RECAP SoilGW2	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
		29-B	NS		NS		NS		NS		NS		NS		NS		500		NS		NS		NS		NS		NS		6-9		NS	
Boring ID	**Interval (ft bls)**	**Date**																														
MPA-AB13	0-3'	05/20/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	81.3
AB-13*	0-3'	08/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	87.4
AB-13 SO-E*	0-3'	08/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	87.4
AB-14*	0-3'	08/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62.8
MPA-AB8	6-8	05/19/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	63
AB-8	6-8	08/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	77.2
AB-8 SO-S*	6-8	08/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	77.2
AB-5 SO-NE*	4-6'	08/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB-5 SO-NW*	4-6'	08/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB-5a*	4-5.5'	08/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB-15*	4-5.5'	08/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-8	0-6"	05/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	825	-	-	-	-	-	-	-	-	-	53000	-	-	61.1	61.1
SED-9	0-6"	05/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	650	-	-	-	-	-	-	-	-	-	36100	-	-	#REF!	69.6
SED-11	0-6"	05/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1060	-	-	-	-	-	-	-	-	-	55000	-	-	67.9	65.8
SED-13	0-6"	05/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	974	-	-	-	-	-	-	-	-	-	45900	-	-	75.6	72.5
SED-19	0-6"	05/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1110	-	-	-	-	-	-	-	-	-	48800	-	-	78.7	78.4
SED-24	0-6"	05/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	829	-	-	-	-	-	-	-	-	-	45600	-	-	68.9	66.6
SED-26	0-6"	05/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	901	-	-	-	-	-	-	-	-	-	94500	-	-	70.5	68.6
SED-31	0-6"	05/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	790	-	-	-	-	-	-	-	-	-	54100	-	-	67.9	68
SED-120 (SED-30 DUP)	0-6"	05/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1820	-	-	-	-	-	-	-	-	-	284000	-	-	82.2	82.5
Hg-MPA-01	0-0.5'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	72600	-	-	-	64.9
	0.5-2'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45900	-	-	-	62.6
	5-7'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44300	-	-	-	53.5
Hg-MPA-02	0-0.5'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	67200	-	-	-	72.7
	0.5-2'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58700	-	-	-	63.7
	5-7'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44800	-	-	-	55.4
Hg-MPA-03	0-0.5'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50300	-	-	-	67.1
	0.5-2'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52600	-	-	-	59.5
	4-6'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	74900	-	-	-	57
Hg-MPA-04	0-0.5'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51100	-	-	-	67.9
	0.5-2'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16600	-	-	-	48
	3-5'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10800	-	-	-	53.6
Hg-MPA-05	0-0.5'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	81700	-	-	-	72.4
	0.5-2'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55900	-	-	-	63
	6-8'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47400	-	-	-	56
Hg-MPA-06	0-0.5'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	88300	-	-	-	67.8
	0.5-2'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46800	-	-	-	60.2
	5-6'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41500	-	-	-	51.6
Hg-MPA-07	0-0.5'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57500	-	-	-	56.5
	0.5-2'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29300	-	-	-	47.5
	6.5-7'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21300	-	-	-	47
Hg-MPA-08	0-0.5'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41200	-	-	-	66.6
	0.5-2'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41300	-	-	-	60.9
	7.5-8'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45000	-	-	-	55.8
Hg-MPA-09	0-0.5'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56500	-	-	-	68.7
	0.5-2'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42900	-	-	-	63.6
	6-7'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6590	-	-	-	44.4
Hg-MPA-09dup	0.5-2'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52800	-	-	-	61.3
SP-MPA-01	(0-0.5)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39000	-	-	-	59.3
	(0.5-2)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62600	-	-	-	58.5
	(2-4.3)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45800	-	-	-	53.8
	(4.3-4.7)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	89800	-	-	-	63.5
	(8-9)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21800	-	-	-	37.6
SP-MPA-02	(0-0.5)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44300	-	-	-	65
	(0.5-2)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55500	-	-	-	64.9
	(3-4)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48700	-	-	-	66.3
	(4-5)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	67600	-	-	-	64.8
SP-MPA-02a	(3-5)	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53200	-	-	-	71.8
	(7-8)	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6770	-	-	-	35.4
SP-MPA-03	(0-0.5)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	89800	-	-	-	44.4
	(0.5-2)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	91900	-	-	-	66.1
	(4-6)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	235000	-	-	-	47.4
	(9-10)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28800	-	-	-	44.8

Notes are found on page 40

Table 3
Soil/Sediment Analytical Data

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

			Hydrocarbons (mg/kg as-received)																											
		Constituent	Oil and Grease (%)		TPH-DRO		TPH-ORO		TPH-GRO		Aliphatic C6-C8		Aliphatic >C8-C10		Aliphatic >C10-C12		Aliphatic >C12-C16		Aliphatic >C16-C35		Aromatic >C8-C10		Aromatic >C10-C12		Aromatic C12-C16		Aromatic >C16-C21		Aromatic >C21-C35	
		Sampler	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
	Standards	**RECAP Soil_SSni**	NS		65		180		65		1200		120		230		370		7100		65		120		180		150		180	
		RECAP SoilGW2	NS		65		10000		65		10000		5300		10000		10000		10000		65		100		200		2100		10000	
		29-B	1		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Boring ID	**Interval (ft bls)**	**Date**																												
MPA-AB13	0-3'	05/20/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB-13*	0-3'	08/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB-13 SO-E*	0-3'	08/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB-14*	0-3'	08/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-AB8	6-8	05/19/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB-8	6-8	08/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB-8 SO-S*	6-8	08/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB-5 SO-NE*	4-6'	08/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	<15	-	<10	-	<10.0	-	-	-	<10	-	<15	-	<15	-	<15
AB-5 SO-NW*	4-6'	08/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	<15	-	<10	-	38.7	-	-	-	<10	-	<15	-	<15	-	<15
AB-5a*	4-5.5'	08/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	<15	-	<10	-	31.6	-	-	-	<10	-	<15	-	<15	-	<15
AB-15*	4-5.5'	08/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	<15	-	16.5	-	55.3	-	-	-	<10	-	<15	-	<15	-	<15
SED-8	0-6"	05/06/10	-	-	133.816	--	122.535	--	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-9	0-6"	05/05/10	-	-	26.767	--	<50	--	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-11	0-6"	05/06/10	-	-	64.2	--	66.768	--	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-13	0-6"	05/06/10	-	-	40.992	--	<50	--	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-19	0-6"	05/06/10	-	-	<20	--	<50	--	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-24	0-6"	05/05/10	-	-	54.425	--	54.736	--	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-26	0-6"	05/05/10	-	-	696.2	--	424.8	--	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-31	0-6"	05/05/10	-	-	51.36	--	<50	--	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-120 (SED-30 DUP)	0-6"	05/07/10	-	-	2550	--	1450	--	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hg-MPA-01	0-0.5'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.5-2'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5-7'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hg-MPA-02	0-0.5'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.5-2'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5-7'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hg-MPA-03	0-0.5'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.5-2'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hg-MPA-04	0-0.5'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.5-2'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-5'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hg-MPA-05	0-0.5'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.5-2'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6-8'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hg-MPA-06	0-0.5'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.5-2'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5-6'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hg-MPA-07	0-0.5'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.5-2'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6.5-7'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hg-MPA-08	0-0.5'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.5-2'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7.5-8'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hg-MPA-09	0-0.5'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.5-2'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6-7'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hg-MPA-09dup	0.5-2'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP-MPA-01	(0-0.5)	10/05/10	-	-	-	-	-	-	-	-	-	<15	-	<15	-	<15	-	<10	-	<10	-	<10	-	<10	-	<15	-	<15	-	<15
	(0.5-2)	10/05/10	-	-	-	-	-	-	-	-	-	<15	-	<15	-	<15	-	10.8	-	34	-	<10	-	<10	-	<15	-	<15	-	<15
	(2-4.3)	10/05/10	-	-	-	-	-	-	-	-	-	<15	-	<15	-	<15	-	86.3	-	357	-	<10	-	<10	-	<15	-	<15	-	<15
	(4.3-4.7)	10/05/10	-	-	-	-	-	-	-	-	-	<15	-	<15	-	<15	-	<10	-	<10	-	<10	-	<10	-	<15	-	<15	-	<15
	(8-9)	10/05/10	-	-	-	-	-	-	-	-	-	<15	-	<15	-	<15	-	<10	-	<10	-	<10	-	<10	-	<15	-	<15	-	<15
SP-MPA-02	(0-0.5)	10/05/10	-	-	-	-	-	-	-	-	-	<15	-	<15	-	<15	-	<10	-	<10	-	<10	-	<10	-	<15	-	<15	-	<15
	(0.5-2)	10/05/10	-	-	-	-	-	-	-	-	-	<15	-	<15	-	<15	-	<10	-	<10	-	<10	-	<10	-	<15	-	<15	-	<15
	(3-4)	10/05/10	-	-	-	-	-	-	-	-	-	<15	-	<15	-	<15	-	17	-	59.4	-	<10	-	<10	-	<15	-	<15	-	<15
	(4-5)	10/05/10	-	-	-	-	-	-	-	-	-	<15	-	<15	-	<15	-	104	-	343	-	<10	-	<10	-	<15	-	<15	-	<15
SP-MPA-02a	(3-5)	10/06/10	-	-	-	-	-	-	-	-	-	<15	-	<15	-	<15	-	34.1	-	97.7	-	<10	-	<10	-	<15	-	<15	-	<15
	(7-8)	10/06/10	-	-	-	-	-	-	-	-	-	<15	-	<15	-	<15	-	<10	-	<10	-	<10	-	<10	-	<15	-	<15	-	<15
SP-MPA-03	(0-0.5)	10/05/10	-	-	-	-	-	-	-	-	-	<15	-	<15	-	<15	-	<10	-	<10	-	<10	-	<10	-	<15	-	<15	-	<15
	(0.5-2)	10/05/10	-	-	-	-	-	-	-	-	-	<15	-	<15	-	<15	-	<10	-	<10	-	<10	-	<10	-	<15	-	<15	-	<15
	(4-6)	10/05/10	-	-	-	-	-	-	-	-	-	<15	-	<15	-	15.1	-	105	-	290	-	<10	-	<10	-	<15	-	46.9	-	<15
	(9-10)	10/05/10	-	-	-	-	-	-	-	-	-	<15	-	<15	-	<15	-	<10	-	<10	-	<10	-	<10	-	<15	-	<15	-	<15

Notes are found on page 40

Table 3
Soil/Sediment Analytical Data

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

			PAHs (mg/kg)																															
		Constituent	2-methylnaphthalene		Acenaphthene		Acenaphthylene		Anthracene		Benzo(a)anthracene		Benzo(a)pyrene		Benzo(b)fluoranthene		Benzo(k)fluoranthene		Chrysene		Dibenz(a,h)anthracene		Fluoranthene		Fluorene		Indeno(1,2,3-cd)pyrene		Naphthalene		Phenanthrene		Pyrene	
		Sampler	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
	Standards	**RECAP Soil_SSni**	22		370		350		2200		0.62		0.33		0.62		0.62		62		0.33		220		280		0.62		6.2		2100		230	
		RECAP SoilGW2	1.7		220		88		88		3.9		23		13		120		76		76		1200		230		9.2		0.9		660		1100	
		29-B	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Boring ID	**Interval (ft bls)**	**Date**																																
MPA-AB13	0-3'	05/20/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB-13*	0-3'	08/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB-13 SO-E*	0-3'	08/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB-14*	0-3'	08/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-AB8	6-8	05/19/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB-8	6-8	08/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB-8 SO-S*	6-8	08/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB-5 SO-NE*	4-6'	08/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB-5 SO-NW*	4-6'	08/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB-5a*	4-5.5'	08/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB-15*	4-5.5'	08/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-8	0-6"	05/06/10	-	<0.325	-	<0.325	-	<0.325	-	<0.325	-	<0.325	-	<0.325	-	<0.325	-	<0.325	-	<0.325	-	<0.325	-	<0.325	-	<0.325	-	<0.325	-	<0.325	-	<0.325	-	<0.325
SED-9	0-6"	05/05/10	-	<0.326	-	<0.326	-	<0.326	-	<0.326	-	<0.326	-	<0.326	-	0.019	-	<0.326	-	0.021	-	<0.326	-	<0.326	-	<0.326	-	0.095	-	<0.326	-	<0.326	-	<0.326
SED-11	0-6"	05/06/10	-	<0.327	-	<0.327	-	<0.327	-	<0.327	-	<0.327	-	<0.327	-	<0.327	-	<0.327	-	<0.327	-	<0.327	-	<0.327	-	<0.327	-	<0.327	-	<0.327	-	<0.327	-	<0.327
SED-13	0-6"	05/06/10	-	<0.329	-	<0.329	-	<0.329	-	<0.329	-	<0.329	-	<0.329	-	<0.329	-	<0.329	-	<0.329	-	<0.329	-	<0.329	-	<0.329	-	<0.329	-	<0.329	-	<0.329	-	<0.329
SED-19	0-6"	05/06/10	-	<0.328	-	<0.328	-	<0.328	-	<0.328	-	<0.328	-	<0.328	-	<0.328	-	<0.328	-	<0.328	-	<0.328	-	<0.328	-	<0.328	-	<0.328	-	<0.328	-	<0.328	-	<0.328
SED-24	0-6"	05/05/10	-	<0.325	-	<0.325	-	<0.325	-	<0.325	-	<0.325	-	<0.325	-	<0.325	-	<0.325	-	0.012	-	<0.325	-	<0.325	-	<0.325	-	<0.325	-	<0.325	-	0.016	-	<0.325
SED-26	0-6"	05/05/10	-	<0.328	-	<0.328	-	<0.328	-	<0.328	-	<0.328	-	<0.328	-	<0.328	-	<0.328	-	<0.328	-	<0.328	-	<0.328	-	<0.328	-	<0.328	-	<0.328	-	<0.328	-	<0.328
SED-31	0-6"	05/05/10	-	<0.327	-	<0.327	-	<0.327	-	<0.327	-	<0.327	-	<0.327	-	<0.327	-	<0.327	-	<0.327	-	<0.327	-	<0.327	-	<0.327	-	<0.327	-	<0.327	-	<0.327	-	<0.327
SED-120 (SED-30 DUP)	0-6"	05/07/10	-	<0.330	-	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	0.161	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
Hg-MPA-01	0-0.5'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.5-2'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5-7'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hg-MPA-02	0-0.5'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.5-2'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5-7'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hg-MPA-03	0-0.5'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.5-2'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hg-MPA-04	0-0.5'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.5-2'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-5'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hg-MPA-05	0-0.5'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.5-2'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6-8'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hg-MPA-06	0-0.5'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.5-2'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5-6'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hg-MPA-07	0-0.5'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.5-2'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6.5-7'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hg-MPA-08	0-0.5'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.5-2'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7.5-8'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hg-MPA-09	0-0.5'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.5-2'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6-7'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hg-MPA-09dup	0.5-2'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP-MPA-01	(0-0.5)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(0.5-2)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(2-4.3)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(4.3-4.7)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(8-9)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP-MPA-02	(0-0.5)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(0.5-2)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(3-4)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(4-5)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP-MPA-02a	(3-5)	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(7-8)	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP-MPA-03	(0-0.5)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(0.5-2)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(4-6)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(9-10)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes are found on page 40

Table 3
Soil/Sediment Analytical Data

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

			Volatile Organics (mg/kg)								Radionuclides						PCBs (mg/kg as received)													
		Constituent	Benzene		Ethylbenzene		Toluene		Xylene		Radium 226		Radium 228		Radium 226/228		Total PCBs	Aroclor-1016		Aroclor-1221		Aroclor-1232		Aroclor-1242		Aroclor-1248		Aroclor-1254		Aroclor-1260	
		Sampler	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
	Standards	**RECAP Soil_SSni**	1.5		160		68		18		68		18		18		0.11	NS		NS		NS		NS		NS		NS		NS	
		RECAP SoilGW2	0.051		19		20		180		20		180		180		19	NS		NS		NS		NS		NS		NS		NS	
		29-B	NS		NS		NS		NS		NS		NS		NS		NS	NS		NS		NS		NS		NS		NS		NS	
Boring ID	**Interval (ft bls)**	**Date**																													
MPA-AB13	0-3'	05/20/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB-13*	0-3'	08/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB-13 SO-E*	0-3'	08/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB-14*	0-3'	08/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-AB8	6-8	05/19/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB-8	6-8	08/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB-8 SO-S*	6-8	08/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB-5 SO-NE*	4-6'	08/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB-5 SO-NW*	4-6'	08/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB-5a*	4-5.5'	08/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB-15*	4-5.5'	08/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-8	0-6"	05/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-9	0-6"	05/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-11	0-6"	05/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-13	0-6"	05/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-19	0-6"	05/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-24	0-6"	05/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-26	0-6"	05/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-31	0-6"	05/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-120 (SED-30 DUP)	0-6"	05/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hg-MPA-01	0-0.5'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.5-2'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5-7'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hg-MPA-02	0-0.5'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.5-2'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5-7'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hg-MPA-03	0-0.5'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.5-2'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hg-MPA-04	0-0.5'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.5-2'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-5'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hg-MPA-05	0-0.5'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.5-2'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6-8'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hg-MPA-06	0-0.5'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.5-2'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5-6'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hg-MPA-07	0-0.5'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.5-2'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6.5-7'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hg-MPA-08	0-0.5'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.5-2'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7.5-8'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hg-MPA-09	0-0.5'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.5-2'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6-7'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hg-MPA-09dup	0.5-2'	10/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP-MPA-01	(0-0.5)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(0.5-2)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(2-4.3)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(4.3-4.7)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(8-9)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP-MPA-02	(0-0.5)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(0.5-2)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(3-4)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(4-5)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP-MPA-02a	(3-5)	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(7-8)	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP-MPA-03	(0-0.5)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(0.5-2)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(4-6)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(9-10)	10/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes are found on page 40

Table 3
Soil/Sediment Analytical Data

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

			Metals (mg/kg As-received)																								SPLP Metals (mg/L)							
		Constituent	Arsenic		Barium		True Total Barium		Cadmium		Chromium		Lead		Mercury		Selenium		Silver		Sodium		Strontium		Zinc		Barium		Chromium		Lead		Mercury	
		Sampler	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
Standards		**RECAP Soil_SSni**	12		550		NS		3.9		12000		400		2.3		3.9		NS		NS		NS		2300		NS		NS		NS		NS	
		RECAP SoilGW2	100		2000		NS		20		100		100		4		20		NS		NS		NS		2800		NS		NS		NS		NS	
		29-B	10	10	NS	NS	20000	20000	10	10	500	500	500	500	10	10	10	10	NS	NS	NS	NS	NS	NS	500	500	NS		NS		NS		NS	
Boring ID	**Interval (ft bls)**	**Date**																																
SP-MPA-04	(0-0.5)	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(0.5-2)	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(5-7)	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(9-10)	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP-MPA-05	0-5'	10/06/10	0.715	5.37	183	584	-	6110	<0.26	<0.26	6.63	54.2	4.12	30.5	<0.0526	0.416	<1.05	<1.04	-	-	-	-	-	-	15.4	62.6	-	-	-	-	-	-	-	-
	7-9'	10/06/10	0.973	1.58	299	110	-	437	<0.17	<0.17	4.06	5.5	7.25	4.06	0.155	0.0945	1.63	<0.693	-	-	-	-	-	-	19.1	13.4	-	-	-	-	-	-	-	-
WL-1	(0-2)	01/05/15	1.92	2.29	180	135	421	338	0.327	0.31	8.4	8.1	7.05	6.74	0.35	0.41	<1.12	<1.06	-	<0.260	-	-	-	-	25.5	24.2	-	-	-	-	-	-	-	-
	(2-4)	01/05/15	2.67	3.14	54.3	48.2	173	145	<0.256	<0.26	7.37	7.57	7.37	7.07	<0.0512	<0.1	<1.02	<1.05	-	<0.260	-	-	-	-	37.8	36.7	-	-	-	-	-	-	-	-
	(6-8)	01/05/15	1.44	-	44.3	-	276	-	<0.123	-	2.5	-	2.38	-	<0.0245	-	<0.488	-	-	-	-	-	-	-	7.45	-	-	-	-	-	-	-	-	-
	(9-13)	01/05/15	1.91	1.75	42.6	46.9	154	143	<0.237	<0.25	7.11	5.25	7.02	4.86	<0.0474	<0.1	<0.939	<1.01	-	<0.250	-	-	-	-	30.7	18.1	-	-	-	-	-	-	-	-
WL-2	(0-2)	01/05/15	<0.614	0.57	112	140	274	350	<0.31	<0.26	7.81	7.77	9.86	6.89	0.062	<0.1	<1.23	<1.02	-	<0.260	-	-	-	-	43.5	37.3	-	-	-	-	-	-	-	-
	(2-4)	01/05/15	0.867	1.28	50.1	48.2	158	164	<0.273	<0.26	7.58	7.49	7.96	7.22	<0.0545	<0.1	<1.08	<1.02	-	<0.260	-	-	-	-	32.5	27.6	-	-	-	-	-	-	-	-
	(8-10)	01/05/15	3.03	3.58	44	40.5	153	153	<0.252	<0.26	7.71	8.02	7.71	7.97	<0.0504	<0.1	<1	<1.04	-	<0.260	-	-	-	-	37.6	38.5	-	-	-	-	-	-	-	-
	(14-16)	01/05/15	2.94	3.52	114	102	168	167	<0.356	<0.25	7.55	7.24	7.48	8.46	<0.0712	<0.1	<1.42	<1	-	<0.250	-	-	-	-	15.2	15.1	-	-	-	-	-	-	-	-
WL-3	(0-2)	01/06/15	2.62	0.81	224	177	697	701	1.72	2.67	13.1	6.79	63.6	113	2.73	5.73	<1.27	<1.04	-	<0.260	-	-	-	-	873	1650	-	-	-	-	-	0.0141	-	ND (0.0002)
	(4-6)/(4-8)	01/06/15	1.36	1.45	54.9	53.1	342	276	<0.171	<0.27	3.48	3.07	5.25	4.05	0.539	3.12	<0.679	<1.06	-	<0.270	-	-	-	-	40.2	33.7	-	-	-	-	-	-	-	-
	(10-13)	01/06/15	1.79	2.07	46.9	47.8	166	153	<0.256	<0.25	6.9	7.25	7.05	7.3	<0.0511	<0.1	<1.02	<1	-	<0.250	-	-	-	-	30.6	38.8	-	-	-	-	-	-	-	-
WL-4	(0-2)	01/06/15	1.44	1.99	225	308	632	645	<0.249	<0.26	5.68	6.35	9.3	9.7	<0.0497	<0.1	<0.989	<1.06	-	<0.260	-	-	-	-	23.4	20.8	-	-	-	-	-	-	-	-
	(2-4)	01/06/15	2.54	2.24	532	431	1620	1240	<0.25	<0.25	6.06	6.35	8.95	8.66	0.0646	<0.1	<0.99	<1	-	<0.250	-	-	-	-	63.1	57.6	-	-	-	-	-	-	-	-
	(4-11)	01/06/15	1.36	0.91	273	394	726	953	<0.313	<0.27	6.89	8	6.76	7.14	<0.0626	<0.1	<1.24	<1.08	-	<0.270	-	-	-	-	70.1	57.9	-	-	-	-	-	-	-	-
	(11-12.5)	01/06/15	1.56	1.09	126	92.1	426	321	<0.257	<0.25	5.34	4.18	7.9	5.1	<0.0513	<0.1	<1.02	<1	-	<0.250	-	-	-	-	71.8	34.9	-	-	-	-	-	-	-	-
WL-5	(0-2)	01/06/15	2.52	2.01	552	477	1680	1430	0.294	<0.27	6.86	5.32	10.8	8.45	<0.0516	<0.1	<1.03	<1.07	-	<0.270	-	-	-	-	88.2	51.9	-	-	-	-	-	-	-	-
	(2-13)	01/06/15	0.903	1.39	226	253	656	524	<0.345	0.27	7.79	9.33	10.3	10.3	<0.0689	<0.1	<1.37	<1.02	-	<0.250	-	-	-	-	150	146	-	-	-	-	-	-	-	-
WL-6	(0-2)	01/06/15	2.18	2.79	326	373	844	801	<0.254	<0.26	5.84	6.02	7.77	8.93	<0.0508	<0.1	<1.01	<1.02	-	<0.260	-	-	-	-	27.6	28.8	-	-	-	-	-	-	-	-
	(4-6)	01/06/15	1.47	1.39	65.3	59.6	346	312	<0.145	<0.25	2.29	1.34	2.21	1.18	<0.0289	<0.1	<0.575	<1.01	-	<0.250	-	-	-	-	6.47	4.34	-	-	-	-	-	-	-	-
	(8-10)	01/06/15	2.16	1.41	51.6	48.1	165	153	<0.225	<0.27	5.16	5.79	4.98	5.07	<0.0449	<0.1	<0.894	<1.08	-	<0.270	-	-	-	-	23.7	24.6	-	-	-	-	-	-	-	-
	(10-13)	01/06/15	1.27	2.5	55.8	55.8	269	240	<0.125	<0.26	2.19	3.92	2.02	3.01	<0.025	<0.1	<0.498	<1.04	-	<0.260	-	-	-	-	6.23	6.92	-	-	-	-	-	-	-	-
WL-7	0-2'	01/06/15	2.25552	2.67	94.488	104	126.492	404	<0.4	<0.26	6.50748	6.34	6.37032	6.79	<0.0762	<0.1	<1.5	<1.05	<0.4	<0.26	-	-	-	-	15.0114	17.7	-	-	-	-	-	-	-	-
	2-4'	01/06/15	1.9526	1.78	91.622	86.2	114.903	190	<0.4	<0.26	5.81274	7.51	6.09061	4.7	<0.0751	<0.1	<1.5	<1.03	<0.4	<0.26	-	-	-	-	15.6959	18.8	-	-	-	-	-	-	-	-
	4-6'	01/06/15	1.37412	2.26	106.128	108	129.492	2450	<0.2	<0.27	4.1976	5.85	4.3956	3.24	<0.0396	<0.1	<0.8	<1.06	<0.2	<0.27	-	-	-	-	18.4536	18.2	-	-	-	-	-	-	-	-
	6-8'	01/06/15	0.8362	2.28	90.852	101	126.108	701	<0.2	<0.27	4.38892	3.42	4.27592	2.94	<0.0452	<0.1	<0.9	<1.09	<0.2	<0.27	-	-	-	-	18.08	8.21	-	-	-	-	-	-	-	-
WL-8	0-2'	01/07/15	-	4.32	-	115	-	1970	-	<0.26	-	7.15	-	8.72	-	<0.1	-	<1.02	-	<0.26	-	-	-	-	-	20.4	-	-	-	-	-	-	-	-
	2-4'	01/07/15	-	2.47	-	96.3	-	298	-	<0.25	-	7.15	-	5.79	-	<0.1	-	<1.01	-	<0.25	-	-	-	-	-	19.9	-	-	-	-	-	-	-	-
	4-6'	01/07/15	-	2.76	-	117	-	491	-	<0.25	-	6.61	-	7.08	-	0.13	-	<1.0	-	<0.25	-	-	-	-	-	19.3	-	-	-	-	-	-	-	-
	6-8'	01/07/15	-	1.38	-	113	-	666	-	<0.27	-	3.25	-	6.08	-	<0.1	-	<1.1	-	<0.27	-	-	-	-	-	8.47	-	-	-	-	-	-	-	-
MPA-SPLP-1	1-3'	05/20/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0573	1.07		-		-		-
MPA-SPLP-2	1-3'	05/20/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0883	0.89		-	<0.01	1.65		-
MPA-SPLP-3	1-3'	05/20/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.149	1.39		-	<0.01	0.015		-
MPA-SPLP-4	1-3'	05/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-		ND(0.0002)
MPA-SPLP-5	1-3'	05/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		0.0053		-		-
SED-BK-01		05/10/10	1.38223	0.33	248.469	49	8370	-	<0.137392	<0.2	3.2409	4.16	3.4902	3.66	<0.0277	0.033	<0.54846	<1.6	-	-	-	-	22.2985	22	6.4818	9.82		-		-		-		-
SED-BK-02		05/10/10	1.2141	1.4	90.345	96.8	680	-	<0.141075	<0.2	3.5625	4.95	5.1015	6.2	0.03762	0.032	<0.5643	<1.6	-	-	-	-	12.654	15	13.281	15.5	-	-	-	-	-	-	-	-
SED-BK-03		05/10/10	0.78674	1.3	88.682	100	517	-	<0.139	0.014	3.7252	5.18	4.726	6.41	<0.0278	0.023	<0.556	<1.6	-	-	-	-	10.3972	13.2	13.4274	16.8	-	-	-	-	-	-	-	-
SED-BK-04		05/10/10	1.51364	1.41	122.608	212	628	-	<0.157052	0.036	3.634	4.82	5.5616	7.38	<0.0316	0.035	<0.62884	<1.6	-	-	-	-	12.166	15.2	13.5564	15.6	-	-	-	-	-	-	-	-
SED-BK-05		05/11/10	1.39672	0.77	85.748	126	549	-	<0.110279	<0.2	1.82546	2.34	1.81441	2.55	<0.0221	0.025	<0.43979	<1.6	-	-	-	-	28.509	27.4	4.2653	6.99	-	-	-	-	-	-	-	-
SED-BK-06		05/10/10	1.55447	0.97	270.327	229	676	-	<0.178423	<0.2	5.4209	5.92	6.7133	8	<0.0359	0.028	<0.71441	<1.6	-	-	-	-	18.668	17.7	17.3756	19.3	-	-	-	-	-	-	-	-
SED-BK-07		05/11/10	0.44064	0.9	80.988	106	676	-	<0.101388	<0.2	2.9172	4.16	3.7944	5.28	0.03774	0.13	<0.40596	<1.6	-	-	-	-	10.302	14	12.5664	15.8	-	-	-	-	-	-	-	-
SED-BK-08		05/11/10	1.7342	1.14	90.77	92.6	430	-	<0.14442	<0.2	3.538	4.29	5.017	5.82	<0.029	0.034	<0.5771	<1.6	-	-	-	-	13.862	15.6	12.789	14.1	-	-	-	-	-	-	-	-
SED-BK-09		05/11/10	2.31525	2.05	56.595	63.8	712	-	<0.121765	<0.2	2.499	2.84	2.695	2.77	<0.0245	0.02	<0.48755	<1.6	-	-	-	-	20.727	20.5	7.1785	3.98	-	-	-	-	-	-	-	-
SED-BK-10		05/19/10	2.36971	1.22	71.545	68.8	1180.5158	-	<0.17	<0.2	4.5021	5.85	4.8162	6.82	<0.03	<0.01	<0.69	<1.6	-	-	-	-	21.9172	25.9	15.3211	51.4	-	-	-	-	-	-	-	-
SED-BK-11		05/19/10	-	1.97	-	63.1	-	-	-	<0.2	-	3.68	-	4.21	-	<0.01	-	<1.6	-	-	-	-		19.8		18	-	-	-	-	-	-	-	-
DEL-4	4-5'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-6	4-5.5'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-7	0-4.5'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-7	4.5-5'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-8	0-4'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-8	4-4.5'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-9	0-3'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-9	3-3.5'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes are found on page 40

Table 3
Soil/Sediment Analytical Data

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

			Salts and Miscellaneous																													
		Constituent	Electrical Conductivity (mmhos/cm)		Exchangeable Sodium Percentage (%)		Sodium Adsorption Ratio		Soluble Calcium (meq/L)		Soluble Magnesium (meq/L)		Soluble Sodium (meq/L)		Cation Exchange Capacity (meq/100g)		Chlorides (mg/kg)		Sulfate (mg/L)		Bromide (mg/L)		SPLP Chloride (mg/L)		Leachate Chloride (mg/L)		Total Organic Carbon (mg/kg)		pH (S.U.)		Percent Moisture (%)	
		Sampler	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
Standards		RECAP Soil_SSni	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Standards		RECAP SoilGW2	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Standards		29-B	NS		NS		NS		NS		NS		NS		NS		500		NS		NS		NS		NS		NS		6-9		NS	
Boring ID	Interval (ft bls)	Date																														
SP-MPA-04	(0-0.5)	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8610	-	-	-	22.2
	(0.5-2)	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45700	-	-	-	36.8
	(5-7)	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	78200	-	-	-	64.9
	(9-10)	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15800	-	-	-	45.5
SP-MPA-05	0-5'	10/06/10	-	7.45	-	16.2	-	18.7	-	6.91	-	6.14	-	47.7	-	40.6	-	-	-	-	-	-	-	-	-	-	-	-	-	6.52	-	47.4
	7-9'	10/06/10	-	32.8	-	44.2	-	89.5	-	17	-	5.35	-	299	-	89.3	-	-	-	-	-	-	-	-	-	-	-	-	-	6.52	-	65
WL-1	(0-2)	01/05/15	5.34	6.78	12.8	11.7	19.4	24.7	-	4.72	-	7.41	-	60.9	73.4	73.4	1440	1580	-	-	-	-	-	-	-	-	-	-	4.87	5.25	43.6	46.3
	(2-4)	01/05/15	9.9	11.4	18.9	11.2	24.2	30.1	-	8.92	-	16.8	-	108	58	58	2850	3320	-	-	-	-	-	-	-	-	-	-	7	7.15	48.8	51.6
	(6-8)	01/05/15	27.8	-	10.2	-	28.9	-	-	-	-	-	-	-	-	-	11200	-	-	-	-	-	-	-	-	-	-	-	5.87	-	75.5	-
	(9-13)	01/05/15	10.7	-	10.2	-	17.5	-	-	-	-	-	-	-	-	-	3710	-	-	-	-	-	-	-	-	-	-	-	7.26	-	52.6	56.3
WL-2	(0-2)	01/05/15	8.16	13.3	28	8.4	28.7	45.5	-	6.88	-	11.2	-	137	46.5	46.5	3000	3840	-	-	-	-	-	-	-	-	-	-	5.25	4.63	38	37.4
	(2-4)	01/05/15	16.7	29.4	24.7	8.6	35.1	45.6	-	31.3	-	62.1	-	312	65.8	65.8	5700	9700	-	-	-	-	-	-	-	-	-	-	5.89	5.03	45.5	54.3
	(8-10)	01/05/15	14	16.5	13.3	7.1	16.3	19.2	-	26.1	-	52.9	-	120	54	54	4920	5690	-	-	-	-	-	-	-	-	-	-	7.59	7.51	49.6	50.8
	(14-16)	01/05/15	6.91	7.68	8.4	6.7	9.86	11.1	-	11	-	23	-	45.6	29.6	29.6	1240	1390	-	-	-	-	-	-	-	-	-	-	6.97	6.89	28.8	29.1
WL-3	(0-2)	01/06/15	14.5	5.92	14.8	9.7	31.6	24	-	6.24	-	6.27	-	60.1	13.6	13.6	2250	644	-	-	-	-	-	-	-	-	-	-	6.23	7.32	36.3	24.5
	(4-6)/(4-8)	01/06/15	32.5	-	15.4	-	65.6	-	-	-	-	-	-	-	-	-	10300	-	-	-	-	-	-	-	-	-	-	-	6.22	-	65.9	70.1
	(10-13)	01/06/15	12.4	12.3	46.1	36.5	59.1	55.9	-	4.21	-	3.88	-	112	55.9	55.9	5230	4730	-	-	-	-	-	-	-	-	-	-	8.18	8.03	48.9	49.7
WL-4	(0-2)	01/06/15	7.23	7.54	7.5	6	22.7	22	-	6.56	-	10.7	-	64.8	81.5	81.5	1900	1640	-	-	-	-	-	-	-	-	-	-	4.49	4.25	54.2	53.2
	(2-4)	01/06/15	12.7	19.5	15.2	13.2	42.5	40.3	-	15.7	-	15.8	-	160	62.7	62.7	3230	4500	-	-	-	-	-	-	-	-	-	-	6.07	5.95	50.3	50
	(4-11)	01/06/15	61	19	6	19.4	98.4	48.7	-	13.6	-	9.01	-	164	20.3	20.3	13900	2910	-	-	-	-	-	-	-	-	-	-	6.75	6.66	37.4	34
	(11-12.5)	01/06/15	202	-	ND (0.1)	-	168	-	-	-	-	-	-	-	-	-	56500	-	-	-	-	-	-	-	-	-	-	-	6.55	-	48.7	48.1
WL-5	(0-2)	01/06/15	9.09	9.46	7.3	6.7	23.7	23.7	-	8.41	-	15.4	-	81.6	78	78	2040	2270	-	-	-	-	-	-	-	-	-	-	5.01	4.61	48.4	53.6
	(2-13)	01/06/15	17.2	11.5	14.7	30	36.3	30.4	-	8.39	-	9.13	-	90	8.5	8.5	2200	1470	-	-	-	-	-	-	-	-	-	-	6.09	5.95	31.1	29.1
WL-6	(0-2)	01/06/15	4.99	5.69	11.2	9.1	21.8	22.9	-	4.56	-	8.81	-	59.2	69.5	69.5	1200	1260	-	-	-	-	-	-	-	-	-	-	5.88	5.59	49.2	51
	(4-6)	01/06/15	82.3	144	59.9	38.6	85.6	102	-	99.2	-	179	-	1200	99.8	99.8	40700	43100	-	-	-	-	-	-	-	-	-	-	5.72	5.81	71.1	75
	(8-10)	01/06/15	85.8	71.4	40	48.5	81.2	70.4	-	54.1	-	100	-	619	52	52	34300	23600	-	-	-	-	-	-	-	-	-	-	6.08	6.19	55.1	51.5
	(10-13)	01/06/15	162	130	40.3	42.2	105	84.4	-	87.7	-	187	-	989	79.4	79.4	63200	42100	-	-	-	-	-	-	-	-	-	-	6.23	6.39	75	67.5
WL-7	0-2'	01/06/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23.5
	2-4'	01/06/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.4
	4-6'	01/06/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	73.8
	6-8'	01/06/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	61.5
WL-8	0-2'	01/07/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29.6
	2-4'	01/07/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.2
	4-6'	01/07/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38.3
	6-8'	01/07/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62.7
MPA-SPLP-1	1-3'	05/20/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-SPLP-2	1-3'	05/20/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-SPLP-3	1-3'	05/20/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-SPLP-4	1-3'	05/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-SPLP-5	1-3'	05/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-BK-01		05/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	361	-	-	-	-	-	-	-	-	-	184000	-	-	72.3	68.3
SED-BK-02		05/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	588	-	-	-	-	-	-	-	-	-	51500	-	-	71.5	66.4
SED-BK-03		05/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	295	-	-	-	-	-	-	-	-	-	14400	-	-	72.2	71.2
SED-BK-04		05/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	250	-	-	-	-	-	-	-	-	-	42700	-	-	68.4	63.6
SED-BK-05		05/11/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	457	-	-	-	-	-	-	-	-	-	172000	-	-	77.9	67.5
SED-BK-06		05/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1140	-	-	-	-	-	-	-	-	-	55000	-	-	64.1	70.2
SED-BK-07		05/11/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	220	-	-	-	-	-	-	-	-	-	66000	-	-	79.6	77.1
SED-BK-08		05/11/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	472	-	-	-	-	-	-	-	-	-	58800	-	-	71	75.8
SED-BK-09		05/11/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	255	-	-	-	-	-	-	-	-	-	106000	-	-	75.5	75.8
SED-BK-10		05/19/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	134000	-	-	65.1	74.9
SED-BK-11		05/19/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	195000	-	-		80.2
DEL-4	4-5'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-6	4-5.5'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-7	0-4.5'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-7	4.5-5'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-8	0-4'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-8	4-4.5'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-9	0-3'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-9	3-3.5'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 3
Soil/Sediment Analytical Data

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

			Hydrocarbons (mg/kg as-received)																											
		Constituent	Oil and Grease (%)		TPH-DRO		TPH-ORO		TPH-GRO		Aliphatic C6-C8		Aliphatic >C8-C10		Aliphatic >C10-C12		Aliphatic >C12-C16		Aliphatic >C16-C35		Aromatic >C8-C10		Aromatic >C10-C12		Aromatic C12-C16		Aromatic >C16-C21		Aromatic >C21-C35	
		Sampler	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
	Standards	**RECAP Soil_SSni**	NS		65		180		65		1200		120		230		370		7100		65		120		180		150		180	
		RECAP SoilGW2	NS		65		10000		65		10000		5300		10000		10000		10000		65		100		200		2100		10000	
		29-B	1		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Boring ID	**Interval (ft bls)**	**Date**																												
SP-MPA-04	(0-0.5)	10/06/10	-	-	-	-	-	-	-	-	-	<15	-	<15	-	<15	-	<10	-	<10	-	<10	-	<10	-	<15	-	<15	-	<15
	(0.5-2)	10/06/10	-	-	-	-	-	-	-	-	-	<15	-	<15	-	<15	-	<10	-	<10	-	<10	-	<10	-	<15	-	<15	-	<15
	(5-7)	10/06/10	-	-	-	-	-	-	-	-	-	<15	-	<15	-	<15	-	56.9	-	119	-	<10	-	<10	-	<15	-	<15	-	19.7
	(9-10)	10/06/10	-	-	-	-	-	-	-	-	-	<15	-	<15	-	<15	-	<10	-	<10	-	<10	-	<10	-	<15	-	<15	-	<15
SP-MPA-05	0-5'	10/06/10	-	4.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7-9'	10/06/10	-	0.429	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WL-1	(0-2)	01/05/15	0.97	1.06	1560	-	1140	-	-	-	-	<15	-	<15	-	<15	-	<10	-	<10	-	<10	-	<10	-	<15	-	<15	-	<15
	(2-4)	01/05/15	0.09	0.09	58.6	-	66	-	-	-	-	<15	-	<15	-	<15	-	<10	-	<10	-	<10	-	<10	-	<15	-	<15	-	<15
	(6-8)	01/05/15	0.47	-	<50	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(9-13)	01/05/15	0.08	0.09	<50	-	<50	-	-	-	-	<15	-	<15	-	<15	-	<10	-	<10	-	<10	-	<10	-	<15	-	<15	-	<15
WL-2	(0-2)	01/05/15	0.1	0.1	182	-	125	-	-	-	-	<15	-	<15	-	<15	-	63.3	-	138	-	<10	-	<10	-	<15	-	<15	-	<15
	(2-4)	01/05/15	0.07	0.09	<50	-	<50	-	-	-	-	<15	-	<15	-	<15	-	<10	-	<10	-	<10	-	<10	-	<15	-	<15	-	<15
	(8-10)	01/05/15	0.05	0.06	<50	-	<50	-	-	-	-	<15	-	<15	-	<15	-	<10	-	<10	-	<10	-	<10	-	<15	-	<15	-	<15
	(14-16)	01/05/15	ND (0.05)	ND (0.05)	<50	-	<50	-	-	-	-	<15	-	<15	-	<15	-	<10	-	<10	-	<10	-	<10	-	<15	-	<15	-	<15
WL-3	(0-2)	01/06/15	5.61	4.97	775	-	656	-	-	-	-	<150	-	<150	-	353	-	2500	-	7110	-	<20	-	74.4	-	403	-	1070	-	1370
	(4-6)/(4-8)	01/06/15	3.27	1.57	5540	-	2790	-	-	-	-	<75	-	<75	-	94.9	-	874	-	1730	-	<10	-	22.8	-	260	-	365	-	341
	(10-13)	01/06/15	ND (0.05)	0.06	<50	-	<50	-	-	-	-	<15	-	<15	-	<15	-	<10	-	<10	-	<10	-	<10	-	<15	-	<15	-	<15
WL-4	(0-2)	01/06/15	1.22	0.93	937	-	774	-	-	-	-	<15	-	<15	-	<15	-	<10	-	<10	-	<10	-	<10	-	<15	-	<15	-	<15
	(2-4)	01/06/15	3.81	2.37	6490	-	1690	-	-	-	-	<75	-	<75	-	85.4	-	678	-	1860	-	<10	-	21.6	-	205	-	340	-	285
	(4-11)	01/06/15	5.02	4.55	14300	-	4310	-	-	-	-	311	-	<300	-	307	-	1840	-	4280	-	116	-	317	-	1560	-	2130	-	2040
	(11-12.5)	01/06/15	2.04	2.13	3940	-	1130	-	-	-	-	325	-	328	-	363	-	2050	-	3480	-	146	-	211	-	1380	-	1400	-	422
WL-5	(0-2)	01/06/15	3.7	2.9	7140	-	5990	-	-	-	-	<15	-	<15	-	<15	-	151	-	508	-	<10	-	<10	-	<15	-	<15	-	<15
	(2-13)	01/06/15	1.99	1.64	10000	-	3400	-	-	-	-	298	-	189	-	314	-	1600	-	2800	-	59.1	-	120	-	665	-	817	-	617
WL-6	(0-2)	01/06/15	0.53	0.68	545	-	430	-	-	-	-	<15	-	<15	-	<15	-	<10	-	<10	-	<10	-	<10	-	<15	-	<15	-	<15
	(4-6)	01/06/15	0.44	0.5	106	-	116	-	-	-	-	<15	-	<15	-	<15	-	<10	-	<10	-	<10	-	<10	-	<15	-	<15	-	<15
	(8-10)	01/06/15	0.17	ND (0.05)	<50	-	<50	-	-	-	-	<15	-	<15	-	<15	-	<10	-	<10	-	<10	-	<10	-	<15	-	<15	-	<15
	(10-13)	01/06/15	0.25	0.2	50.3	-	<50	-	-	-	-	<15	-	<15	-	<15	-	<10	-	<10	-	<10	-	<10	-	<15	-	<15	-	<15
WL-7	0-2'	01/06/15	-	-	-	-	-	-	-	-	-	<15	-	<15	-	<15	-	<10	-	<10	-	<10	-	<10	-	<15	-	<15	-	<15
	2-4'	01/06/15	-	-	-	-	-	-	-	-	-	<15	-	<15	-	<15	-	<10	-	<10	-	<10	-	<10	-	<15	-	<15	-	<15
	4-6'	01/06/15	-	-	-	-	-	-	-	-	-	<15	-	<15	-	22.1	-	108	-	286	-	<10	-	<10	-	<15	-	21.3	-	<15
	6-8'	01/06/15	-	-	-	-	-	-	-	-	-	<15	-	<15	-	<15	-	<10	-	<10	-	<10	-	<10	-	<15	-	<15	-	<15
WL-8	0-2'	01/07/15	-	-	-	-	-	-	-	-	-	<15	-	<15	-	<15	-	<10	-	<10	-	<10	-	<10	-	<15	-	<15	-	<15
	2-4'	01/07/15	-	-	-	-	-	-	-	-	-	<15	-	<15	-	<15	-	<10	-	<10	-	<10	-	<10	-	<15	-	<15	-	<15
	4-6'	01/07/15	-	-	-	-	-	-	-	-	-	<15	-	<15	-	<15	-	82	-	158	-	12.3	-	<10	-	45.4	-	28.3	-	<15
	6-8'	01/07/15	-	-	-	-	-	-	-	-	-	<15	-	<15	-	<15	-	25.5	-	62	-	<10	-	<10	-	<15	-	23.1	-	<15
MPA-SPLP-1	1-3'	05/20/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-SPLP-2	1-3'	05/20/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-SPLP-3	1-3'	05/20/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-SPLP-4	1-3'	05/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-SPLP-5	1-3'	05/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-BK-01		05/10/10		-	20.1	-	57.7	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-BK-02		05/10/10		-	41.5	-	67.4	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-BK-03		05/10/10		-	27.8	-	52.8	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-BK-04		05/10/10		-	25.6	-	50.5	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-BK-05		05/11/10		-	ND(20.0)	-	52	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-BK-06		05/10/10		-	65.3	-	93.5	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-BK-07		05/11/10		-	65.3	-	93.5	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-BK-08		05/11/10		-	ND(20.0)	-	ND(50.0)	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-BK-09		05/11/10		-	ND(20.0)	-	ND(50.0)	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-BK-10		05/19/10		-	ND(57)	-	ND(143)	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-BK-11		05/19/10		-		-		-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-4	4-5'	10/09/14	-	0.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-6	4-5.5'	10/09/14	-	0.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-7	0-4.5'	10/09/14	-	0.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-7	4.5-5'	10/09/14	-	0.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-8	0-4'	10/09/14	-	0.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-8	4-4.5'	10/09/14	-	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-9	0-3'	10/09/14	-	0.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-9	3-3.5'	10/09/14	-	0.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes are found on page 40

Table 3
Soil/Sediment Analytical Data

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

			PAHs (mg/kg)																															
		Constituent	2-methylnaphthalene		Acenaphthene		Acenaphthylene		Anthracene		Benzo(a)anthracene		Benzo(a)pyrene		Benzo(b)fluoranthene		Benzo(k)fluoranthene		Chrysene		Dibenz(a,h)anthracene		Fluoranthene		Fluorene		Indeno(1,2,3-cd)pyrene		Naphthalene		Phenanthrene		Pyrene	
		Sampler	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
	Standards	**RECAP Soil_SSni**	22		370		350		2200		0.62		0.33		0.62		0.62		62		0.33		220		280		0.62		6.2		2100		230	
		RECAP SoilGW2	1.7		220		88		88		3.9		23		13		120		76		76		1200		230		9.2		0.9		660		1100	
		29-B	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Boring ID	**Interval (ft bls)**	**Date**																																
SP-MPA-04	(0-0.5)	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(0.5-2)	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(5-7)	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(9-10)	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP-MPA-05	0-5'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7-9'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WL-1	(0-2)	01/05/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(2-4)	01/05/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(6-8)	01/05/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(9-13)	01/05/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WL-2	(0-2)	01/05/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(2-4)	01/05/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(8-10)	01/05/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(14-16)	01/05/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WL-3	(0-2)	01/06/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(4-6)/(4-8)	01/06/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(10-13)	01/06/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WL-4	(0-2)	01/06/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(2-4)	01/06/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(4-11)	01/06/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(11-12.5)	01/06/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WL-5	(0-2)	01/06/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(2-13)	01/06/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WL-6	(0-2)	01/06/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(4-6)	01/06/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(8-10)	01/06/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(10-13)	01/06/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WL-7	0-2'	01/06/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	01/06/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6'	01/06/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6-8'	01/06/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WL-8	0-2'	01/07/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	01/07/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6'	01/07/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6-8'	01/07/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-SPLP-1	1-3'	05/20/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-SPLP-2	1-3'	05/20/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-SPLP-3	1-3'	05/20/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-SPLP-4	1-3'	05/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-SPLP-5	1-3'	05/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-BK-01		05/10/10	--	<0.328	--	<0.328	--	<0.328	--	<0.328	--	<0.328	--	<0.328	--	<0.328	--	<0.328	--	<0.328	--	<0.328	--	<0.328	--	<0.328	--	<0.328	--	<0.328	--	<0.328	--	<0.328
SED-BK-02		05/10/10	--	<0.326	--	<0.326	--	<0.326	--	<0.326	--	<0.326	--	<0.326	--	<0.326	--	<0.326	--	<0.326	--	<0.326	--	<0.326	--	<0.326	--	<0.326	--	<0.326	--	<0.326	--	<0.326
SED-BK-03		05/10/10	--	<0.327	--	<0.327	--	<0.327	--	<0.327	--	<0.327	--	<0.327	--	<0.327	--	<0.327	--	<0.327	--	<0.327	--	<0.327	--	<0.327	--	<0.327	--	<0.327	--	<0.327	--	<0.327
SED-BK-04		05/10/10	--	<0.326	--	<0.326	--	<0.326	--	<0.326	--	<0.326	--	<0.326	--	<0.326	--	<0.326	--	<0.326	--	<0.326	--	<0.326	--	<0.326	--	<0.326	--	<0.326	--	<0.326	--	<0.326
SED-BK-05		05/11/10	--	<0.327	--	<0.327	--	<0.327	--	<0.327	--	<0.327	--	<0.327	--	<0.327	--	<0.327	--	<0.327	--	<0.327	--	<0.327	--	<0.327	--	<0.327	--	<0.327	--	<0.327	--	<0.327
SED-BK-06		05/10/10	--	<0.326	--	<0.326	--	<0.326	--	<0.326	--	<0.326	--	<0.326	--	<0.326	--	<0.326	--	<0.326	--	<0.326	--	<0.326	--	<0.326	--	<0.326	--	<0.326	--	<0.326	--	<0.326
SED-BK-07		05/11/10	--	<0.325	--	<0.325	--	<0.325	--	<0.325	--	<0.325	--	<0.325	--	<0.325	--	<0.325	--	<0.325	--	<0.325	--	<0.325	--	<0.325	--	<0.325	--	<0.325	--	<0.325	--	<0.325
SED-BK-08		05/11/10	--	<0.327	--	<0.327	--	<0.327	--	<0.327	--	<0.327	--	<0.327	--	<0.327	--	<0.327	--	<0.327	--	<0.327	--	<0.327	--	<0.327	--	<0.327	--	<0.327	--	<0.327	--	<0.327
SED-BK-09		05/11/10	--	<0.325	--	<0.325	--	<0.325	--	<0.325	--	<0.325	--	<0.325	--	<0.325	--	<0.325	--	<0.325	--	<0.325	--	<0.325	--	<0.325	--	<0.325	--	<0.325	--	<0.325	--	<0.325
SED-BK-10		05/19/10	0	<0.326	0	<0.326	0	<0.326	0	<0.326	0	<0.326	0	<0.326	0	<0.326	0	<0.326	0	<0.326	0	<0.326	0	<0.326	0	<0.326	0	<0.326	0	<0.326	0	<0.326	0	<0.326
SED-BK-11		05/19/10		<0.326		<0.326		<0.326		<0.326		<0.326		<0.326		<0.326		<0.326		<0.326		<0.326		<0.326		<0.326		<0.326		<0.326		<0.326		<0.326
DEL-4	4-5'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-6	4-5.5'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-7	0-4.5'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-7	4.5-5'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-8	0-4'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-8	4-4.5'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-9	0-3'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-9	3-3.5'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes are found on page 40

Table 3
Soil/Sediment Analytical Data

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

			Volatile Organics (mg/kg)								Radionuclides						PCBs (mg/kg as received)															
		Constituent	Benzene		Ethylbenzene		Toluene		Xylene		Radium 226		Radium 228		Radium 226/228		Total PCBs	Aroclor-1016		Aroclor-1221		Aroclor-1232		Aroclor-1242		Aroclor-1248		Aroclor-1254		Aroclor-1260	
		Sampler	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
	Standards	**RECAP Soil_SSni**	1.5		160		68		18		68		18		18		0.11	NS		NS		NS		NS		NS		NS		NS	
		RECAP SoilGW2	0.051		19		20		180		20		180		180		19	NS		NS		NS		NS		NS		NS		NS	
		29-B	NS		NS		NS		NS		NS		NS		NS		NS	NS		NS		NS		NS		NS		NS		NS	
Boring ID	**Interval (ft bls)**	**Date**																														
SP-MPA-04	(0-0.5)	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(0.5-2)	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(5-7)	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(9-10)	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP-MPA-05	0-5'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7-9'	10/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WL-1	(0-2)	01/05/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(2-4)	01/05/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(6-8)	01/05/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(9-13)	01/05/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WL-2	(0-2)	01/05/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(2-4)	01/05/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(8-10)	01/05/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(14-16)	01/05/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WL-3	(0-2)	01/06/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(4-6)/(4-8)	01/06/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(10-13)	01/06/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WL-4	(0-2)	01/06/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(2-4)	01/06/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(4-11)	01/06/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(11-12.5)	01/06/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WL-5	(0-2)	01/06/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(2-13)	01/06/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WL-6	(0-2)	01/06/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(4-6)	01/06/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(8-10)	01/06/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(10-13)	01/06/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WL-7	0-2'	01/06/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	01/06/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6'	01/06/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6-8'	01/06/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WL-8	0-2'	01/07/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-4'	01/07/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-6'	01/07/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6-8'	01/07/15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-SPLP-1	1-3'	05/20/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-SPLP-2	1-3'	05/20/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-SPLP-3	1-3'	05/20/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-SPLP-4	1-3'	05/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-SPLP-5	1-3'	05/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-BK-01		05/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-BK-02		05/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-BK-03		05/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-BK-04		05/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-BK-05		05/11/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-BK-06		05/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-BK-07		05/11/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-BK-08		05/11/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-BK-09		05/11/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-BK-10		05/19/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-BK-11		05/19/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-4	4-5'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-6	4-5.5'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-7	0-4.5'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-7	4.5-5'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-8	0-4'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-8	4-4.5'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-9	0-3'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-9	3-3.5'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 3
Soil/Sediment Analytical Data

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

			Metals (mg/kg As-received)																								SPLP Metals (mg/L)							
		Constituent	Arsenic		Barium		True Total Barium		Cadmium		Chromium		Lead		Mercury		Selenium		Silver		Sodium		Strontium		Zinc		Barium		Chromium		Lead		Mercury	
		Sampler	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
Standards		**RECAP Soil_SSni**	12		550		NS		3.9		12000		400		2.3		3.9		NS		NS		NS		2300		NS		NS		NS		NS	
		RECAP SoilGW2	100		2000		NS		20		100		100		4		20		NS		NS		NS		2800		NS		NS		NS		NS	
		29-B	10	10	NS	NS	20000	20000	10	10	500	500	500	500	10	10	10	10	NS	NS	NS	NS	NS	NS	500	500	NS		NS		NS		NS	
Boring ID	**Interval (ft bls)**	**Date**																																
Removed During SED-15 Remediation																																		
SED15	0-2'	02/26/10	1.40286	2.77	1212.18	819	-	7510	0.48578	0.2	227.454	137	81.266	60.3	0.47216	0.28	ND	0.47	-	-	-	-	72.64	62.7	-	-	-	-	501	-	-	-	-	-
SED15	2-4'	02/26/10	2.63388	3.24	1297.2	1130	-	3130	0.390288	0.27	117.876	292	49.2372	76.7	0.23406	0.15	ND	0.66	-	-	-	-	80.088	75.4	-	-	-	-	209	-	-	-	-	-
MPA-Sed 15	8-10'	06/08/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-15	0-6"	05/06/10	0.7314	1.66	124.55	232	-	-	<0.13	<0.2	3.2595	4.42	4.4255	5.82	0.062275	0.041	<0.53	<1.6	-	-	-	-	10.6795	16.1	13.5945	18	-	-	-	-	-	-	-	-
SED-115*	0-6"	05/06/10	-	1.3	-	211	-	-	-	<0.2	-	4.62	-	6.06	-	0.04	-	<1.6	-	-	-	-	-	14.3	-	17.8	-	-	-	-	-	-	-	-
SED-15	0-4.5'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-15	4.5-5'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-1	0-3'	10/09/14	-	3.8	-	5.81	-	1,120	-	<0.26	-	7.99	-	10.7	-	0.19	-	<1.02	-	<0.26	-	-	-	-	-	29.2	-	-	-	-	-	-	-	-
DEL-1	3.5-4.5'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-1	4-5'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-2	4-5'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-2	6-7.25'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-3	3-4.5	10/09/14																																
DEL-5	5-6'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes are found on page 40

Table 3
Soil/Sediment Analytical Data

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

			Salts and Miscellaneous																													
		Constituent	Electrical Conductivity (mmhos/cm)		Exchangeable Sodium Percentage (%)		Sodium Adsorption Ratio		Soluble Calcium (meq/L)		Soluble Magnesium (meq/L)		Soluble Sodium (meq/L)		Cation Exchange Capacity (meq/100g)		Chlorides (mg/kg)		Sulfate (mg/L)		Bromide (mg/L)		SPLP Chloride (mg/L)		Leachate Chloride (mg/L)		Total Organic Carbon (mg/kg)		pH (S.U.)		Percent Moisture (%)	
		Sampler	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
Standards		**RECAP Soil_SSni**	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
		RECAP SoilGW2	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
		29-B	NS		NS		NS		NS		NS		NS		NS		500		NS		NS		NS		NS		NS		6-9		NS	
Boring ID	**Interval (ft bls)**	**Date**																														
Removed During SED-15 Remediation																																
SED15	0-2'	02/26/10	7.28	9.89	12.4	12.5	10.8	8.82	18.2	42.2	17.7	35.5	45.6	55	-	-	1380	-	-	-	-	-	-	-	426	-	-	-	-	-	54.6	53.9
SED15	2-4'	02/26/10	5.73	5.31	8.9	7.7	10.6	10.7	15.6	12.2	7.72	7.74	36.1	33.7	-	-	702	1080	-	-	-	-	-	-	248	-	-	-	-	-	43.6	44.5
MPA-Sed 15	8-10'	06/08/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	73.5	-
SED-15	0-6"	05/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	944	-	-	-	-	-	-	-	-	-	67700	-	-	73.5	75.4
SED-115*	0-6"	05/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	947	-	-	-	-	-	-	-	-	-	40800	-	-	-	73
SED-15	0-4.5'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-15	4.5-5'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-1	0-3'	10/09/14	-	1.62	-	1.4	-	6.31	-	2.22	-	2.29	-	9.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-1	3.5-4.5'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-1	4-5'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-2	4-5'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-2	6-7.25'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-3	3-4.5	10/09/14																														
DEL-5	5-6'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes are found on page 40

Table 3
Soil/Sediment Analytical Data

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

			Hydrocarbons (mg/kg as-received)																											
		Constituent	Oil and Grease (%)		TPH-DRO		TPH-ORO		TPH-GRO		Aliphatic C6-C8		Aliphatic >C8-C10		Aliphatic >C10-C12		Aliphatic >C12-C16		Aliphatic >C16-C35		Aromatic >C8-C10		Aromatic >C10-C12		Aromatic C12-C16		Aromatic >C16-C21		Aromatic >C21-C35	
		Sampler	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
	Standards	**RECAP Soil_SSni**	NS		65		180		65		1200		120		230		370		7100		65		120		180		150		180	
		RECAP SoilGW2	NS		65		10000		65		10000		5300		10000		10000		10000		65		100		200		2100		10000	
		29-B	1		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Boring ID	**Interval (ft bls)**	**Date**																												
Removed During SED-15 Remediation																														
SED15	0-2'	02/26/10	-	6.31	50300	45500	21800	3320	-	-	-	-	-	-	-	1220	-	9070	-	17400	-	-	-	158	-	1840	-	2170	-	1970
SED15	2-4'	02/26/10	-	13.2	57000	84600	23500	8580	-	-	-	-	-	-	-	2850	-	20600	-	40800	-	-	-	329	-	3460	-	3730	-	3510
MPA-Sed 15	8-10'	06/08/10	-	-	932	-	644	-	-	-	-	-	-	-	-	9.34	-	96.4	-	1770	-	-	-	<10.0	-	<15.0	-	<15.0	-	<15.0
SED-15	0-6"	05/06/10	-	-	24.8305	--	<50	--	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-115*	0-6"	05/06/10	-	-	-	--	-	--	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-15	0-4.5'	10/09/14	-	0.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-15	4.5-5'	10/09/14	-	0.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-1	0-3'	10/09/14	-	0.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-1	3.5-4.5'	10/09/14	-	2.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-1	4-5'	10/09/14	-	1.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-2	4-5'	10/09/14	-	0.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-2	6-7.25'	10/09/14	-	2.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-3	3-4.5	10/09/14		1.15																										
DEL-5	5-6'	10/09/14	-	1.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes are found on page 40

Table 3
Soil/Sediment Analytical Data

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

			PAHs (mg/kg)																															
		Constituent	2-methylnaphthalene		Acenaphthene		Acenaphthylene		Anthracene		Benzo(a)anthracene		Benzo(a)pyrene		Benzo(b)fluoranthene		Benzo(k)fluoranthene		Chrysene		Dibenz(a,h)anthracene		Fluoranthene		Fluorene		Indeno(1,2,3-cd)pyrene		Naphthalene		Phenanthrene		Pyrene	
		Sampler	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
	Standards	**RECAP Soil_SSni**	22		370		350		2200		0.62		0.33		0.62		0.62		62		0.33		220		280		0.62		6.2		2100		230	
		RECAP SoilGW2	1.7		220		88		88		3.9		23		13		120		76		76		1200		230		9.2		0.9		660		1100	
		29-B	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Boring ID	**Interval (ft bls)**	**Date**																																
Removed During SED-15 Remediation																																		
SED15	0-2'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED15	2-4'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-Sed 15	8-10'	06/08/10	-	<0.325	--	<0.325	--	<0.325	--	<0.325	--	<0.325	--	<0.325	--	<0.325	--	<0.325	--	<0.325	--	<0.325	--	<0.325	--	<0.325	--	<0.325	--	<0.325	--	<0.325	--	<0.325
SED-15	0-6"	05/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-115*	0-6"	05/06/10	-	<0.328	-	<0.328	<0.329	<0.330	<0.331	<0.332	<0.333	<0.334	<0.335	<0.336	<0.337	<0.338	<0.339	<0.340	<0.341	<0.342	<0.343	<0.344	<0.345	<0.346	<0.347	<0.348	<0.349	<0.350	<0.351	<0.352	<0.353	<0.354	<0.355	<0.356
SED-15	0-4.5'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-15	4.5-5'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-1	0-3'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-1	3.5-4.5'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-1	4-5'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-2	4-5'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-2	6-7.25'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-3	3-4.5	10/09/14																																
DEL-5	5-6'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes are found on page 40

Table 3
Soil/Sediment Analytical Data

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

			Volatile Organics (mg/kg)								Radionuclides						PCBs (mg/kg as received)													
		Constituent	Benzene		Ethylbenzene		Toluene		Xylene		Radium 226		Radium 228		Radium 226/228		Total PCBs	Aroclor-1016		Aroclor-1221		Aroclor-1232		Aroclor-1242		Aroclor-1248		Aroclor-1254		Aroclor-1260	
		Sampler	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
	Standards	**RECAP Soil_SSni**	1.5		160		68		18		68		18		18		0.11	NS		NS		NS		NS		NS		NS		NS	
		RECAP SoilGW2	0.051		19		20		180		20		180		180		19	NS		NS		NS		NS		NS		NS		NS	
		29-B	NS		NS		NS		NS		NS		NS		NS		NS	NS		NS		NS		NS		NS		NS		NS	
Boring ID	**Interval (ft bls)**	**Date**																													
Removed During SED-15 Remediation																															
SED15	0-2'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED15	2-4'	02/26/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-Sed 15	8-10'	06/08/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-15	0-6"	05/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-115*	0-6"	05/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-15	0-4.5'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SED-15	4.5-5'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-1	0-3'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-1	3.5-4.5'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-1	4-5'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-2	4-5'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-2	6-7.25'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEL-3	3-4.5	10/09/14																													
DEL-5	5-6'	10/09/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NOTES:
RECAP Soil_SSni - Non-industrial direct contact screening standard for soil.
RECAP Soil GW2 - Class 2 groundwater protection screeing standard for soil.
NS - No standard.
- Parameter not analyzed.
NA - Parameter not analyzed.
ND - Not detected, detection limits in parentheses or laboratory reports.
< ## - Not detected at detection limit shown.

Notes are found on page 40

Table 4
Summary of MP&A Evaluation of ICON Slug Tests
VPSB v Louisiana Land, et al
East White Lake Field
Vermillion Parish, Louisiana

Well ID	Water Level (Ft below TOC)	Well Stick-up (Ft above SW)	Water Level (Ft below SW)	~Top of Aquifer (Ft Below GS)	Aquifer Thickness[1] (Ft)	Screen Length (Ft)	Water Height above Screen interval (Ft)	Water Column Height above Screen Base (Ft)	Hc - Water Column Height above Top of Aquifer (Ft)	Borehole TD (Ft below SW)	Screen Interval (Ft below SW)
MW-3R	3.14	3.54	-0.40	37.5	10	10	37.90	47.90	37.90	47.5	37.5-47.5

Well ID	Slug ID	Bouwer & Rice K (cm/sec)	h_c	b	Estimated Yield Q (gpm)	Estimated Yield Q (GPD)
MW-3R	Slug 1	5.97E-04	38	10	1.923	2,769
	Slug 2	5.90E-04	38	10	1.901	2,738
	Slug 3	5.87E-04	38	10	1.893	2,726
		GEOMEAN				2,744

Notes:
TD - Total Depth
GS - Ground Surface
Well Diameter (Inches) 0.75
Well Radius (Ft) 0.03125
Screen Slot Size (Inches) 0.01
(1) Assumed average water-bearing zone thickness of 10-feet
Slug tests conducted on March 31, 2010 by ICON.
Slug test data were analyzed using AQTESOLV Version 4.5, a commercially available and widely used software program.
Well yield equation for confined aquifer from RECAP Appendix F [$Q_{(gpm)} = (60h_cK_{(cm/sec)}b)/(9.3+\log(K_{(cm/sec)}b))$]
K = hydraulic conductivity
b = saturated thickness (feet)
h_c = confining head (feet)
gpm = Gallons per Minute
GPD = Gallons per Day
Limited displacement of ICON water level data from MW-1 and MW-2R did not allow for accurate curve matching and determination of hydraulic conductivity.
Class 3 RECAP standard is 800 GPD or Q = 0.556 GPM
Class 2 RECAP standard is greater than 800 GPD and less than 4,800 GPD
Class 1 RECAP standard is greater than 4,800 GPD or Q = 3.33 GPM

Table 5
Surface Water Analytical Data

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

		Dissolved Metals (mg/L)																	
Constituent		Arsenic		Barium		Cadmium		Chromium		Lead		Mercury		Selenium		Strontium		Zinc	
Sampler		ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
Standards	**GWss**	0.01		2		0.005		0.1		0.015		0.002		NS		2.2		1.1	
	GW3NDW	0.05		45		0.01		960		0.05		0.002		NS		NS		8	
Sample ID	**Date**																		
SW-01	05/06/10	-	<0.010	-	0.28	-	0.00026	-	0.0017	-	<0.0080	-	<0.00020	-	<0.0050	-	0.69	-	<0.020
SW-02	05/06/10	-	<0.010	-	0.28	-	0.00027	-	0.0016	-	<0.0080	-	0.00009	-	<0.0050	-	0.74	-	<0.020
SW-03	05/05/10	-	<0.010	-	0.29	-	<0.0027	-	0.0018	-	<0.0080	-	0.00009	-	<0.0050	-	0.71	-	<0.020
SW-04	05/05/10	-	<0.010	-	0.26	-	0.00035	-	0.0017	-	<0.0080	-	0.00006	-	<0.0050	-	0.73	-	<0.020
SW-05	05/05/10	-	<0.010	-	0.26	-	<0.0027	-	0.0018	-	<0.0080	-	0.00007	-	<0.0050	-	0.69	-	<0.020
SW-06	05/06/10	-	<0.010	-	0.37	-	0.0002	-	0.0021	-	<0.0080	-	0.0001	-	<0.0050	-	0.91	-	<0.020
SW-07	05/06/10	-	<0.010	-	0.42	-	0.00024	-	0.002	-	<0.0080	-	0.00009	-	<0.0050	-	0.93	-	<0.020
SW-09	05/06/10	-	<0.010	-	0.37	-	<0.0027	-	0.0024	-	<0.0080	-	0.0001	-	<0.0050	-	1	-	0.0095
SW-09 (DUP) (SW-109)	05/06/10	-	<0.010	-	0.38	-	0.00027	-	0.0022	-	<0.0080	-	0.00006	-	<0.0050	-	1.03	-	<0.020
SW-10	05/06/10	-	<0.010	-	0.35	-	<0.0027	-	0.0022	-	<0.0080	-	0.00012	-	<0.0050	-	0.88	-	<0.020
SW-20	05/07/10	-	0.0075	-	1.1	-	<0.0027	-	0.0051	-	0.0088	-	<0.00020	-	<0.0050	-	1.66	-	0.023
SW BK-01	05/10/10	-	<0.010	-	0.28	-	<0.0027	-	0.0032	-	0.0023	-	0.00006	-	<0.0050	-	1.05	-	<0.020
SW BK-02	05/10/10	-	<0.010	-	0.3	-	<0.0027	-	0.0033	-	<0.0080	-	<0.00020	-	<0.0050	-	1.12	-	<0.020
SW BK-03	05/10/10	-	<0.010	-	0.28	-	<0.0027	-	0.0025	-	<0.0080	-	<0.00020	-	<0.0050	-	0.84	-	<0.020
SW BK-04	05/10/10	-	<0.010	-	0.29	-	<0.0027	-	0.003	-	<0.0080	-	0.00006	-	<0.0050	-	1.06	-	<0.020
SW BK-05	05/11/10	-	<0.010	-	0.3	-	<0.0027	-	0.003	-	<0.0080	-	<0.00020	-	<0.0050	-	1.04	-	<0.020
SW BK-06	05/11/10	-	0.0047	-	0.39	-	<0.0027	-	0.0036	-	0.0021	-	<0.00020	-	<0.0050	-	1.56	-	<0.020
SW BK-07	05/11/10	-	0.0033	-	0.4	-	<0.0027	-	0.0024	-	<0.0080	-	<0.00020	-	<0.0050	-	0.95	-	<0.020
SW BK-08	05/11/10	-	<0.010	-	0.31	-	<0.0027	-	0.0028	-	<0.0080	-	<0.00020	-	<0.0050	-	1.04	-	<0.020
SW BK-09	05/11/10	-	<0.010	-	0.33	-	<0.0027	-	0.003	-	<0.0080	-	<0.00020	-	<0.0050	-	1.06	-	<0.020
SW BK-10	05/19/10	-	0.003	-	0.14	-	0.00086	-	0.00071	-	<0.0080	-	<0.00020	-	<0.0050	-	0.34	-	<0.020
SW BK-11	05/19/10	-	0.0029	-	0.18	-	0.00078	-	0.0011	-	<0.0080	-	<0.00020	-	<0.0050	-	0.52	-	<0.020

Notes:
"-" - Indicates parameter not analyzed
< - Not detected at limits shown

Table 5
Surface Water Analytical Data

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

		Total Metals (mg/L)													
Constituent		Arsenic		Barium		Cadmium		Calcium		Chromium		Iron		Lead	
Sampler		ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
Standards	**GWss**	0.01		2		0.005		NS		0.1		0.3		0.015	
	GW3NDW	0.05		45		0.01		NS		960		NS		0.05	
Sample ID	**Date**														
SW-01	05/06/10	<0.010	<0.010	0.284	0.28	<0.005	<0.0027	-	38.4	<0.010	0.0026	-	1.26	<0.010	<0.0080
SW-02	05/06/10	<0.010	<0.010	0.285	0.29	<0.005	<0.0027	-	44.1	<0.010	0.0023	-	0.8	<0.010	<0.0080
SW-03	05/05/10	<0.010	<0.010	0.262	0.3	<0.005	<0.0027	-	43.3	<0.010	0.0026	-	1.08	<0.010	<0.0080
SW-04	05/05/10	<0.010	<0.010	0.245	0.27	<0.0050	<0.0027	-	44.6	<0.010	0.0022	-	0.49	<0.010	<0.0080
SW-05	05/05/10	<0.010	0.0019	0.265	0.29	<0.0050	<0.0027	-	43.1	<0.010	0.0025	-	0.85	<0.010	<0.0080
SW-06	05/06/10	<0.010	<0.010	0.346	0.39	<0.0050	<0.0027	-	54.3	<0.010	0.0025	-	0.94	<0.010	<0.0080
SW-07	05/06/10	<0.010	<0.010	0.413	0.45	<0.0050	<0.0027	-	56.1	<0.010	0.0025	-	0.94	<0.010	<0.0080
SW-09	05/06/10	<0.010	<0.010	0.378	0.42	<0.0050	<0.0027	-	58.6	<0.010	0.0027	-	1.12	<0.010	<0.0080
SW-09 (DUP) (SW-109)	05/06/10	-	<0.010	-	0.41	-	<0.0027	-	59.4	-	0.0027	-	1.11	-	<0.0080
SW-10	05/06/10	<0.010	<0.010	0.345	0.38	<0.0050	<0.0027	-	50.6	<0.010	0.0022	-	1.09	<0.010	<0.0080
SW-20	05/07/10	-	0.013	-	1.23	-	<0.0027	-	73.9	-	0.0075	-	11.3	-	0.021
SW BK-01	05/10/10	<0.010	<0.010	0.282	0.3	<0.0050	<0.0027	-	65.8	<0.0100	0.0035	-	0.58	<0.0100	0.0017
SW BK-02	05/10/10	<0.010	<0.010	0.276	0.31	<0.0050	<0.0027	-	71.5	<0.010	0.0035	-	0.7	<0.010	<0.0080
SW BK-03	05/10/10	<0.010	<0.010	0.279	0.3	<0.0050	<0.0027	-	52.8	<0.010	0.0027	-	0.71	<0.010	<0.0080
SW BK-04	05/10/10	<0.010	<0.010	0.297	0.32	<0.0050	<0.0027	-	66.4	<0.010	0.0038	-	0.94	<0.010	0.0015
SW BK-05	05/11/10	<0.010	<0.010	0.301	0.31	<0.0050	<0.0027	-	65.9	<0.010	0.0034	-	0.71	0.017	<0.0080
SW BK-06	05/11/10	<0.010	0.0024	0.375	0.43	<0.0050	<0.0027	-	97.7	<0.010	0.0041	-	1.55	<0.010	0.0019
SW BK-07	05/11/10	<0.010	<0.010	0.415	0.44	<0.0050	<0.0027	-	57	<0.010	0.0026	-	1.07	<0.010	<0.0080
SW BK-08	05/11/10	<0.010	<0.010	0.315	0.34	<0.0050	0.00021	-	70	<0.010	0.0046	-	1.76	<0.010	0.003
SW BK-09	05/11/10	-	0.004	-	0.31	-	<0.0027	-	63.2	-	0.0039	-	1.14	-	0.0034
SW BK-10	05/19/10	-	0.0035	-	0.22	-	0.00051	-	24.5	-	0.0041	-	-	-	0.0058
SW BK-11	05/19/10	-	0.0054	-	0.25	-	0.00056	-	35.7	-	0.004	-	-	-	0.0042

Notes:
"-" - Indicates parameter not analyzed
< - Not detected at limits shown

Table 5
Surface Water Analytical Data

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

		Total Metals - continued (mg/L)															
Constituent		Magnesium		Manganese		Mercury		Potassium		Selenium		Sodium		Strontium		Zinc	
Sampler		ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
Standards	**GWss**	NS		0.05		0.002		NS		0.05		NS		2.2		1.1	
	GW3NDW	NS		NS		0.002		NS		0.05		NS		NS		8	
Sample ID	**Date**																
SW-01	05/06/10	-	88.2	-	0.23	<0.0002	0.00007	-	29.2	0.035	<0.0050	-	631	0.554	0.64	0.017	0.0062
SW-02	05/06/10	-	100	-	0.27	<0.0002	0.00009	-	33.3	0.034	<0.0050	-	727	0.637	0.71	0.013	0.0045
SW-03	05/05/10	-	98.3	-	0.3	<0.0002	0.00007	-	32.7	0.039	<0.0050	-	771	0.558	0.7	0.015	<0.020
SW-04	05/05/10	-	103	-	0.16	<0.0002	0.00009	-	34.4	0.033	<0.0050	-	808	0.614	0.72	0.012	<0.020
SW-05	05/05/10	-	99.1	-	0.31	<0.0002	0.00009	-	33.1	0.037	<0.0050	-	769	0.602	0.72	0.012	<0.020
SW-06	05/06/10	-	127	-	0.46	<0.0002	0.00008	-	38.6	0.048	<0.0050	-	935	0.729	0.9	0.016	<0.020
SW-07	05/06/10	-	130	-	0.61	<0.0002	0.00008	-	40.7	0.032	<0.0050	-	981	0.778	0.95	<0.010	<0.020
SW-09	05/06/10	-	140	-	0.51	<0.0002	0.00011	-	42.6	0.036	<0.0050	-	915	0.829	0.99	<0.010	<0.020
SW-09 (DUP) (SW-109)	05/06/10	-	141	-	0.5	-	0.00006	-	42.9	-	<0.0050	-	1100	-	1.01	-	<0.020
SW-10	05/06/10	-	120	-	0.48	<0.00020	0.00007	-	37.2	0.039	<0.0050	-	917	0.721	0.86	0.02	<0.020
SW-20	05/07/10	-	149	-	0.83	-	0.0001	-	59.6	-	<0.0050	-	1230	-	1.74	-	0.067
SW BK-01	05/10/10	-	157	-	0.15	<0.0002	<0.0002	-	52	0.0547	<0.0050	-	1230	0.98	1.04	0.055	0.0045
SW BK-02	05/10/10	-	166	-	0.23	<0.0002	<0.0002	-	54.7	0.047	<0.0050	-	1320	1.09	1.13	0.013	0.13
SW BK-03	05/10/10	-	126	-	0.34	<0.0002	<0.0002	-	42.2	0.039	<0.0050	-	1050	0.788	0.85	0.013	0.013
SW BK-04	05/10/10	-	161	-	0.29	<0.0002	<0.0002	-	53.4	0.051	<0.0050	-	1340	1	1.06	0.002	0.01
SW BK-05	05/11/10	-	156	-	0.16	<0.0002	<0.0002	-	53	0.037	<0.0050	-	1270	0.989	1.04	0.033	0.0074
SW BK-06	05/11/10	-	244	-	0.88	<0.0002	<0.0002	-	70.4	0.051	<0.0050	-	2010	1.52	1.65	0.018	0.0092
SW BK-07	05/11/10	-	138	-	0.59	<0.0002	<0.0002	-	42.9	0.036	<0.0050	-	1080	0.898	0.96	0.022	<0.020
SW BK-08	05/11/10	-	162	-	0.25	<0.0002	0.00007	-	50.3	0.042	<0.0050	-	1180	0.903	1.03	0.014	0.0085
SW BK-09	05/11/10	-	152	-	0.24	-	<0.0002	-	50.5	-	<0.0050	-	1230	-	1.05	-	0.0076
SW BK-10	05/19/10	-	52.3	-	-	-	<0.0002	-	-	-	<0.0050	-	-	-	0.38	-	0.013
SW BK-11	05/19/10	-	76.2	-	-	-	<0.0002	-	-	-	<0.0050	-	-	-	0.52	-	0.0097

Notes:
"-" - Indicates parameter not analyzed
< - Not detected at limits shown

Table 5
Surface Water Analytical Data

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

		PAHs (mg/L)															
Constituent		2-Methylnaphthalene		Acenaphthene		Acenaphthylene		Anthracene		Benzo(a)anthracene		Benzo(a)pyrene		Benzo(b)fluoranthene		Benzo(k)fluoranthene	
Sampler		ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
Standards	**GWss**	NS		NS		NS		NS		NS		NS		NS		NS	
	GW3NDW	NS		NS		NS		NS		NS		NS		NS		NS	
Sample ID	**Date**																
SW-01	05/06/10	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102
SW-02	05/06/10	-	<0.000104	-	<0.000104	-	<0.000104	-	<0.000104	-	<0.000104	-	<0.000104	-	<0.000104	-	<0.000104
SW-03	05/05/10	-	<0.000104	-	<0.000104	-	<0.000104	-	<0.000104	-	<0.000104	-	<0.000104	-	<0.000104	-	<0.000104
SW-04	05/05/10	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103
SW-05	05/05/10	-	<0.000101	-	<0.000101	-	<0.000101	-	<0.000101	-	<0.000101	-	<0.000101	-	<0.000101	-	<0.000101
SW-06	05/06/10	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103
SW-07	05/06/10	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102
SW-09	05/06/10	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102
SW-09 (DUP) (SW-109)	05/06/10	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102
SW-10	05/06/10	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102
SW-20	05/07/10	-	<0.000101	-	<0.000101	-	<0.000101	-	<0.000101	-	<0.000101	-	<0.000101	-	<0.000101	-	<0.000101
SW BK-01	05/10/10	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103
SW BK-02	05/10/10	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103
SW BK-03	05/10/10	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103
SW BK-04	05/10/10	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102
SW BK-05	05/11/10	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102
SW BK-06	05/11/10	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102
SW BK-07	05/11/10	-	<0.000104	-	<0.000104	-	<0.000104	-	<0.000104	-	<0.000104	-	<0.000104	-	<0.000104	-	<0.000104
SW BK-08	05/11/10	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102
SW BK-09	05/11/10	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102
SW BK-10	05/19/10	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102
SW BK-11	05/19/10	-	<0.000105	-	<0.000105	-	<0.000105	-	<0.000105	-	<0.000105	-	<0.000105	-	<0.000105	-	<0.000105

Notes:
"-" - Indicates parameter not analyzed
< - Not detected at limits shown

Table 5
Surface Water Analytical Data

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

		PAHs - continued (mg/L)															
Constituent		Chrysene		Dibenz(a,h)anthracene		Fluoranthene		Fluorene		Indeno(1,2,3-cd)pyrene		Naphthalene		Phenanthrene		Pyrene	
Sampler		ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
Standards	**GWss**	NS		NS		NS		NS		NS		NS		NS		NS	
	GW3NDW	NS		NS		NS		NS		NS		NS		NS		NS	
Sample ID	**Date**																
SW-01	05/06/10	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102
SW-02	05/06/10	-	<0.000104	-	<0.000104	-	<0.000104	-	<0.000104	-	<0.000104	-	<0.000104	-	<0.000104	-	<0.000104
SW-03	05/05/10	-	<0.000104	-	<0.000104	-	<0.000104	-	<0.000104	-	<0.000104	-	<0.000104	-	<0.000104	-	<0.000104
SW-04	05/05/10	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103
SW-05	05/05/10	-	<0.000101	-	<0.000101	-	<0.000101	-	<0.000101	-	<0.000101	-	<0.000101	-	<0.000101	-	<0.000101
SW-06	05/06/10	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103
SW-07	05/06/10	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102
SW-09	05/06/10	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102
SW-09 (DUP) (SW-109)	05/06/10	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102
SW-10	05/06/10	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102
SW-20	05/07/10	-	<0.000101	-	<0.000101	-	<0.000101	-	<0.000101	-	<0.000101	-	<0.000101	-	<0.000101	-	<0.000101
SW BK-01	05/10/10	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103
SW BK-02	05/10/10	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103
SW BK-03	05/10/10	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103	-	<0.000103
SW BK-04	05/10/10	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102
SW BK-05	05/11/10	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102
SW BK-06	05/11/10	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102
SW BK-07	05/11/10	-	<0.000104	-	<0.000104	-	<0.000104	-	<0.000104	-	<0.000104	-	<0.000104	-	<0.000104	-	<0.000104
SW BK-08	05/11/10	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102
SW BK-09	05/11/10	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102
SW BK-10	05/19/10	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102	-	<0.000102
SW BK-11	05/19/10	-	<0.000105	-	<0.000105	-	<0.000105	-	<0.000105	-	<0.000105	-	<0.000105	-	<0.000105	-	<0.000105

Notes:
"-" - Indicates parameter not analyzed
< - Not detected at limits shown

Table 5
Surface Water Analytical Data

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

		Water Quality (mg/L)													
Constituent		Chloride		Sulfate		Bicarbonate Alkalinity		Carbonate Alkalinity		TDS		Salinity		Hardness	
Sampler		ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
Standards	**GWss**	NS		250		NS		NS		NS		NS		500	
	GW3NDW	NS		NS		NS		NS		NS		NS		NS	
Sample ID	**Date**														
SW-01	05/06/10	1530	1210	-	105	-	-	-	-	2580	2710	-	2.4	-	378
SW-02	05/06/10	1560	1330	-	-	-	-	-	-	2740	2900	-	-	-	432
SW-03	05/05/10	1490	1250	-	-	-	-	-	-	2670	2780	-	-	-	424
SW-04	05/05/10	1530	1420	-	-	-	-	-	-	2960	3050	-	-	-	441
SW-05	05/05/10	1630	1290	-	-	-	-	-	-	2660	2880	-	-	-	425
SW-06	05/06/10	1920	1610	-	-	-	60	-	<1.0	3630	3800	-	-	-	541
SW-07	05/06/10	2130	1640	-	-	-	-	-	-	3260	3590	-	-	-	554
SW-09	05/06/10	2410	1870	-	83.9	-	-	-	-	3450	4220	-	3.7	-	591
SW-09 (DUP) (SW-109)	05/06/10	-	1840	-	-	-	67.4	-	<1.0	-	4150	-	-	-	597
SW-10	05/06/10	2200	1610	-	106	-	-	-	-	3220	3520	-	3.2	-	619
SW-20	05/07/10	2700	2220	-	-	-	-	-	-	4820	4920	-	-	-	677
SW BK-01	05/10/10	2910	2510	-	149	-	-	-	-	4650	4800	-	4.5	-	811
SW BK-02	05/10/10	2770	2680	-	-	-	64.6	-	<1.0	4680	5080	-	-	-	863
SW BK-03	05/10/10	2060	2060	-	-	-	-	-	-	3590	3820	-	-	-	652
SW BK-04	05/10/10	2560	2660	-	215	-	-	-	-	4080	4840	-	4.5	-	828
SW BK-05	05/11/10	2340	2550	-	-	-	63.5	-	<1.0	4440	4660	-	-	-	808
SW BK-06	05/11/10	4400	3690	-	187	-	-	-	-	6220	6580	-	6.3	-	1250
SW BK-07	05/11/10	2410	2210	-	-	-	75.1	-	<1.0	3990	4010	-	-	-	709
SW BK-08	05/11/10	2700	2490	-	-	-	-	-	-	4080	4720	-	-	-	840
SW BK-09	05/11/10	2910	2530	-	-	-	-	-	-	3820	4870	-	-	-	785
SW BK-10	05/19/10	852	834	-	-	-	-	-	-	-	1530	-	-	-	277
SW BK-11	05/19/10	1140	1240	-	-	-	-	-	-	-	2330	-	-	-	403

Notes:
"-" - Indicates parameter not analyzed
< - Not detected at limits shown

Table 6
Groundwater Analytical Data - All Zones

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

				Dissolved Metals (mg/L)																													
			Constituent	Arsenic		Barium		Cadmium		Calcium		Chromium		Iron		Lead		Magnesium		Manganese		Mercury		Potassium		Selenium		Sodium		Strontium		Zinc	
			Sampler	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
Standards			**GWss**	0.01		2		0.005		0.005		0.1		0.3		0.015		NS		0.05		0.002		NS		0.05		NS		2.2		1.1	
			GW3NDW	0.05		45		0.01		0.01		960		NS		0.05		NS		NS		0.002		NS		0.05		NS		NS		8	
Sample ID	**Sample Interval (ft)**	**Well Type**	**Date**																														
Peat Zone																																	
AB15	8-18	MW	11/13/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB19	8-18	MW	11/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB2	11-21	MW	11/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB3	10-20	MW	11/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB5	12-22	MW	11/13/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB6	8-18	MW	11/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB6 (DUP)	8-18	MW	11/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB7	10-20	MW	11/13/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-RA-1	8-18	MW	05/20/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-RA-2	8-18	MW	05/20/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-RA-3	11-21	MW	05/20/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WL-6		MW	01/07/15	-	<0.1	-	10.8	-	<0.1	-	-	-	<0.1	-	16.7	-	<0.1		-	-	5.12	-	<0.0002	-	-	-	-	-	-	-	18.4	-	<2
40-50' Zone																																	
A. Crouch Well (abandoned)	est. 34	WW	09/01/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB1	40-50	MW	11/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HP-MPA-01-T	42-45	HP	09/29/10	0.014	<0.01	1.4	1.45	<0.005	<0.005	200	233	<0.01	<0.01	-	9.69	<0.01	<0.015	70	79.4	-	0.53	<0.0002	<0.0002	<5	5.43	0.043	<0.04	410	477	2	1.87	0.16	<0.02
HP-MPA-02-T	42-45	HP	09/29/10	-	<0.01	-	0.31	-	<0.005	-	65.8	-	<0.01	-	0.57	-	<0.015	-	152	-	0.67	-	<0.0002	-	44.4	-	<0.04	-	1330	-	1	-	0.039
HP-MPA-03-T	42-45	HP	10/04/10	0.014	<0.01	0.59	0.69	<0.005	<0.005	110	131	<0.01	<0.01	-	3.27	<0.01	<0.015	45	54.7	-	0.37	<0.0002	<0.0002	5.2	5.54	0.045	<0.04	400	472	0.82	0.92	0.11	<0.02
HP-MPA-04-T	42-45	HP	09/30/10	<0.01	<0.01	0.67	0.84	<0.005	<0.005	130	170	<0.01	<0.01	-	4.5	<0.01	<0.015	47	62.6	-	0.5	<0.0002	<0.0002	5.1	6.01	0.034	<0.04	350	451	1	1.24	0.1	<0.02
HP-MPA-05-T	42-45	HP	09/30/10	-	<0.01	-	0.52	-	<0.005	-	119	-	<0.01	-	1.98	-	<0.015	-	59.8	-	0.5	-	<0.0002	-	7.55	-	<0.04	-	479	-	0.9	-	<0.02
HP-MPA-06-T	42-45	HP	09/30/10	<0.01	<0.01	0.72	0.86	<0.005	<0.005	160	206	<0.01	<0.01	-	1.93	<0.01	<0.015	59	77.8	-	0.52	<0.0002	<0.0002	<5	5.53	0.061	<0.04	330	463	1.1	1.37	0.082	<0.02
HP-MPA-07-T	42-45	HP	10/01/10	0.014	<0.01	0.47	0.49	<0.005	<0.005	91	104	<0.01	<0.01	-	2.6	<0.01	<0.015	44	50.4	-	0.4	<0.0002	<0.0002	<5	4.11	0.035	<0.04	450	491	0.74	0.78	0.092	<0.02
HP-MPA-08-T	42-45	HP	10/01/10	-	<0.01	-	2.17	-	<0.005	-	238	-	<0.01	-	5.25	-	<0.015	-	104	-	0.49	-	<0.0002	-	12.9	-	<0.04	-	1730	-	2.21	-	<0.02
HP-MPA-09-T	42-45	HP	10/01/10	-	<0.01	-	1.62	-	<0.005	-	178	-	<0.01	-	3.57	-	<0.015	-	112	-	0.76	-	<0.0002	-	18.6	-	<0.04	-	1140	-	2.68	-	<0.02
HP-MPA-10-T	42-45	HP	10/01/10	0.019	<0.01	0.88	1.02	<0.005	<0.005	120	146	<0.01	<0.01	-	2.11	<0.01	<0.015	42	52.7	-	0.31	<0.0002	<0.0002	<5	5.35	0.032	<0.04	380	485	1.1	1.24	0.072	<0.02
MW-1	44-54	MW	03/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1 (DUP) (MPA MW-50, ICON BD-01)	44-54	MW	03/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	42-52	MW	03/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	37.5-47.5	MW	03/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6S	47-50	MW	05/12/10	<0.01	0.0016	0.702	0.99	<0.005	-	-	95.7	<0.01	-	-	7.75	<0.01	-	-	32.2	-	0.21	<0.0002	-	-	5.52	0.043	<0.04	-	424	0.595	-	0.02	-
MW-6S (ICON re-run)	47-50	MW	05/12/10	<0.01	-	1.06	-	<0.005	-	-	-	0.075	-	-	-	<0.01	-	-	-	-	-	-	-	-	-	<0.02	-	-	-	0.767	-	0.219	-
Purvis Hebert Well (in use)	est. 41	WW	09/01/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Purvis Hebert Well (in use) (DUP	est. 43	WW	09/01/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Purvis Hebert Well (in use)	est. 42	WW	04/21/14	-	<0.01	-	0.24	-	<0.005	-	-	-	<0.01	-	10.9	-	<0.015	-	-	-	1.69	-	<0.0002	-	-	-	-	-	-	-	0.47	-	0.062
SB-1	44-54	MW	05/07/10	-	<0.01	-	5.61	-	-	-	568	-	-	-	15.4	-	-	-	220	-	3.12	-	-	-	10.4	-	<0.04	-	1840	-	-	-	-
	44-54	MW	06/08/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	44-54	MW	04/21/14	-	<0.01	-	3.52	-	-	-	-	-	-	-	8.75	-	-	-	-	-	2.13	-	-	-	-	-	-	-	-	-	-	-	-
SB-1 (DUP)	44-54	MW	04/21/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SB-2	42-52	MW	05/11/10	<0.01	0.00086	0.366	1.34	<0.005	-	-	187	<0.01	-	-	5.77	<0.01	-	-	67.1	-	0.56	-	-	-	6.15	<0.02	<0.04	-	544	0.459	-	<0.01	-
SB-3	37-47	MW	05/12/10	<0.01	<0.01	4.83	6.17	<0.005	-	-	834	<0.01	-	-	14	<0.01	-	-	339	-	2.9	<0.0002	-	-	14.2	0.104	<0.04	-	2070	6.84	-	<0.01	-
SB-3 (DUP)	37-47	MW	05/12/10	-	<0.01	-	6.06	-	-	-	831	-	-	-	13.9	-	-	-	333	-	2.85	-	-	-	13.8	-	<0.04	-	2080	-	-	-	-
SB-3 (ICON re-run)	37-47	MW	05/12/10	<0.01	-	5.88	-	<0.005	-	-	-	0.012	-	-	-	<0.01	-	-	-	-	-	-	-	-	-	0.07	-	-	-	-	-	0.025	-
70-100' Zone																																	
HP-MPA-02-I	(72-75')	HP	09/29/10	0.033	<0.01	0.85	0.99	<0.005	<0.005	94	123	<0.01	<0.01	-	4.67	<0.01	<0.015	37	45.9	-	0.28	<0.0002	<0.0002	<5	4.76	0.034	<0.04	270	352	0.8	0.91	0.1	<0.02
HP-MPA-03-I	(72-75')	HP	10/04/10	<0.01	<0.01	1.48	1.58	<0.005	<0.005	160	186	<0.01	<0.01	-	5.36	<0.01	<0.015	54	63	-	0.37	<0.0002	<0.0002	<5	5.72	0.0891	<0.04	390	445	1.33	1.42	0.0983	0.03
HP-MPA-04-I	(80-83')	HP	10/04/10	<0.01	<0.01	0.605	0.76	<0.005	<0.005	97	129	0.0105	0.041	-	12	<0.01	<0.015	36	43	-	0.36	<0.0002	<0.0002	5.6	6.7	0.0699	<0.04	380	449	0.909	1.02	0.0358	0.081
HP-MPA-05-I	(72-75')	HP	10/06/10	0.0142	<0.01	0.543	0.59	<0.005	<0.005	83	107	<0.01	<0.01	-	3.21	<0.01	<0.015	33	39.1	-	0.23	<0.0002	<0.0002	<5	5.24	0.0584	<0.04	330	387	0.792	0.86	0.0204	<0.02
HP-MPA-06-I	(72-75')	HP	10/06/10	0.0127	<0.01	1	1.02	<0.005	<0.005	100	117	<0.01	<0.01	-	4.99	<0.01	<0.015	37	40.6	-	0.24	<0.0002	<0.0002	5.1	<0.0002	0.0368	<0.04	440	491	1	1	0.0192	<0.02
HP-MPA-07-I	(72-75')	HP	10/05/10	<0.01	<0.01	0.878	0.9	<0.005	<0.005	88	102	0.0102	0.011	-	5.79	<0.01	<0.015	34	37.7	-	0.29	<0.0002	<0.0002	<5	4.76	0.0976	<0.04	370	391	0.863	0.87	0.0371	0.034
HP-MPA-08-I	(72-75')	HP	10/05/10	<0.01	<0.01	0.607	0.64	<0.005	<0.005	72	85.3	<0.01	<0.01	-	3.41	<0.01	<0.015	41	46.9	-	0.24	<0.0002	<0.0002	8.6	<0.0002	0.0704	<0.04	390	465	0.749	0.78	0.0133	<0.02
HP-MPA-09-I	(72-75')	HP	10/06/10	<0.01	<0.01	1.48	1.64	<0.005	<0.005	140	167	<0.01	<0.01	-	7.45	<0.01	<0.015	46	55.8	-	0.36	<0.0002	<0.0002	<5	7.16	0.0754	<0.04	520	624	1.23	1.37	0.0289	<0.02
HP-MPA-10-I	(72-75')	HP	10/06/10	0.0255	<0.01	0.717	0.78	<0.005	<0.005	76	96.4	0.02	<0.01	-	4.37	<0.01	<0.015	25	30.7	-	0.2	<0.0002	<0.0002	6.2	8.07	0.0428	<0.04	330	416	0.689	0.77	0.0272	<0.02
HP-MW-4D	(75-77)	MW	05/12/10	<0.01	0.0012	0.465	0.62	<0.005	-	-	112	<0.01	-	-	5.84	<0.01	-	-	41.3	-	0.26	<0.0002	-	-	4.57	0.04	<0.04	-	199	0.54	-	<0.01	-
HP-MW-4D (ICON re-run)	(75-77)	MW	05/12/10	<0.01	-	0.596	-	<0.005	-		-	<0.01	-		-	<0.01	-		-		-		-		-	<0.02	-	0.67	-		-	0.025	-
HP-MW-5D	(75-77)	MW	05/12/10	<0.01	<0.01	0.821	1.09	<0.005	-	-	140	<0.01	-	-	5.16	<0.01	-	-	45.3	-	0.27	<0.0002	-	-	5.97	0.038	<0.04	-	454	0.861	-	0.013	-
HP-MW-5D (ICON re-run)	(75-77)	MW	05/12/10	0.01	-	1.4	-	<0.005	-		-	0.206	-		-	0.025	-		-		-		-		-	<0.02	-		-	1.1	-	0.546	-
MW-6D	(75-77)	MW	05/12/10	<0.01	<0.01	0.836	1.14	<0.005	-	-	86.1	<0.01	-	-	4.07	<0.01	-	-	28.9	-	0.14	<0.0002	-	-	5.1	0.04	<0.04	-	435	0.55	-	<0.01	-
MW-6D (ICON re-run)	(75-77)	MW	05/12/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SB-1-MW-D	(72-74)	MW	05/06/10	<0.01	<0.01	1.53	1.81	<0.005	-	-	188	<0.01	-	-	9.28	<0.01	-	-	68.2	-	0.63	-	-	-	5.96	0.053	<0.04	-	563	1.42	-	0.188	-
SB-1-MW-D (ICON re-run)	(72-74)	MW	05/06/10	0.014	-	1.21	-	<0.005	-	-	-	0.077	-	-	-	0.01	-	-	-	-	-	-	-	-	-	<0.02	-	-	-	0.685	-	0.126	-
HP-MW-1C	97-100	MW	05/13/10	<0.01	<0.01	0.908	1.12	<0.005	-	-	120	<0.01	-	-	4.51	<0.01	-	-	42.7	-	0.21	<0.0002	-	-	5.84	0.031	<0.04	-	467	0.824	-	<0.01	-
MW-1C (ICON re-run)	97-100	MW	05/13/10	<0.01	-	1.09	-	<0.005	-		-	<0.01	-		-	<0.01	-		-		-		-		-	<0.02	-		-	9.68	-	0.022	-
Chicot Zone																																	
AWW1	400	WW	11/14/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WW-1	400	WW	05/25/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
J Guidry Well 1	est. 519	WW	9/1/2010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
J Guidry Well 2	est. 519	WW	9/1/2010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
J Guidry Well 3	est. 519	WW	9/1/2010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
"-" - Indicates parameter not analyzed
< - Not detected at limit shown
MW- Sample was collected via monitoring well
HP- Sample was collected via hydropunch method
WW- Sample was collected via water well

Table 6
Groundwater Analytical Data - All Zones

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

				Total Metals (mg/L)																													
			Constituent	Arsenic		Barium		Cadmium		Calcium		Chromium		Iron		Lead		Magnesium		Manganese		Mercury		Potassium		Selenium		Sodium		Strontium		Zinc	
			Sampler	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
Standards			**GWss**	0.01		2		0.005		NS		0.1		0.3		0.015		NS		0.05		0.002		NS		0.05		NS		2.2		1.1	
			GW3NDW	0.05		45		0.01		NS		960		NS		0.05		NS		NS		0.002		NS		0.05		NS		NS		8	
Sample ID	**Sample Interval (ft)**	**Well Type**	**Date**																														
Peat Zone																																	
AB15	8-18	MW	11/13/06	0.017	-	3.69	-	0.002	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	11.4	-	-	-
AB19	8-18	MW	11/10/06	<0.01	-	1.06	-	0.001	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	1.47	-	-	-
AB2	11-21	MW	11/10/06	0.015	-	0.67	-	0.001	-	-	-	-	-	-	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	1.06	-	-	-
AB3	10-20	MW	11/10/06	<0.01	-	1.52	-	0.001	-	-	-	-	-	-	-	0.011	-	-	-	-	-	-	-	-	-	-	-	-	-	1.68	-	-	-
AB5	12-22	MW	11/13/06	<0.01	-	1.12	-	0.002	-	-	-	-	-	-	-	0.006	-	-	-	-	-	-	-	-	-	-	-	-	-	11.9	-	-	-
AB6	8-18	MW	11/10/06	0.012	-	2.13	-	<0.001	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	5.68	-	-	-
AB6 (DUP)	8-18	MW	11/10/06	0.011	-	2.14	-	0.001	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	5.39	-	-	-
AB7	10-20	MW	11/13/06	0.025	-	2.36	-	0.002	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	2.43	-	-	-
MPA-RA-1	8-18	MW	05/20/10	0.017	-	3.69	-	0.002	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	11.4	-	-	-
MPA-RA-2	8-18	MW	05/20/10	<0.01	-	1.06	-	0.001	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	1.47	-	-	-
MPA-RA-3	11-21	MW	05/20/10	0.015	-	0.67	-	0.001	-	-	-	-	-	-	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	1.06	-	-	-
WL-6		MW	01/07/15	<0.01	<0.1	11.8	12.1	<0.001	<0.1	546	764	<0.01	<0.1	17.3	18.8	<0.01	<0.1	584	770	4.9	5.84	<0.0002	<0.0002	58.2	61.1	0.058	-	7840	9540	18.7	17	0.017	<2
40-50' Zone																																	
A. Crouch Well (abandoned)	est. 34	WW	09/01/10	<0.01	<0.01	0.517	0.61	<0.005	<0.005	-	160	<0.01	<0.01	-	68.9	0.01	<0.015	-	94.5	-	4.3	-	<0.0002	-	14.5	<0.02	<0.04	-	683	1.2	1.38	0.116	0.11
AB1	40-50	MW	11/10/06	0.021	-	0.509	-	0.001	-	-	-	-	-	-	-	0.007	-	-	-	-	-	<0.0002	-	-	-	-	-	-	-	0.691	-	-	-
HP-MPA-01-T	42-45	HP	09/29/10	-	<0.01	-	2.04	-	<0.005	-	228	-	0.071	-	29.1	-	0.016	-	80.1	-	0.78	-	-	-	7.17	-	<0.04	-	495	-	1.87	-	0.087
HP-MPA-02-T	42-45	HP	09/29/10	<0.01	<0.01	0.46	0.43	<0.005	<0.005	66	70.1	0.014	<0.01	-	7.75	<0.01	<0.015	140	158	-	0.85	<0.0002	-	35	46.4	0.051	<0.04	1100	1360	0.98	1.06	0.13	<0.02
HP-MPA-03-T	42-45	HP	10/04/10	-	<0.01	-	1.13	-	<0.005	-	145	-	0.059	-	16.7	-	<0.015	-	59	-	0.53	-	-	-	6.48	-	<0.04	-	525	-	1.02	-	0.14
HP-MPA-04-T	42-45	HP	09/30/10	-	0.01	-	1.3	-	<0.005	-	198	-	0.074	-	27.4	-	0.027	-	65.1	-	0.86	-	-	-	7.57	-	<0.04	-	482	-	1.35	-	0.091
HP-MPA-05-T	42-45	HP	09/30/10	0.032	<0.01	0.59	0.51	<0.005	<0.005	97	113	0.014	<0.01	-	2.6	<0.01	<0.015	50	56.8	-	0.49	<0.0002	-	7.1	7.53	0.035	<0.04	390	508	0.82	0.9	0.073	<0.02
HP-MPA-06-T	42-45	HP	09/30/10	-	<0.01	-	1.21	-	<0.005	-	202	-	0.014	-	6.88	-	<0.015	-	74.1	-	0.6	-	-	-	5.84	-	<0.04	-	457	-	1.37	-	<0.02
HP-MPA-07-T	42-45	HP	10/01/10	-	<0.01	-	0.61	-	<0.005	-	107	-	0.029	-	11.1	-	<0.015	-	51.8	-	0.5	-	-	-	5.19	-	<0.04	-	495	-	0.82	-	0.053
HP-MPA-08-T	42-45	HP	10/01/10	0.019	<0.01	1.4	2.04	<0.005	<0.005	150	223	0.01	<0.01	-	7.19	<0.01	<0.015	80	97.7	-	0.47	<0.0002	-	14	12	0.041	<0.04	570	1700	1.5	2.07	0.054	<0.02
HP-MPA-09-T	42-45	HP	10/01/10	0.019	<0.01	0.66	1.59	<0.005	<0.005	70	170	<0.01	<0.01	-	5.92	<0.01	<0.015	88	106	-	0.76	<0.0002	-	21	18.2	0.061	<0.04	810	1410	1.2	2.57	0.1	<0.02
HP-MPA-10-T	42-45	HP	10/01/10	-	0.032	-	1.42	-	<0.005	-	185	-	0.081	-	34.7	-	0.032	-	59.7	-	0.92	-	-	-	8.17	-	<0.04	-	472	-	1.35	-	0.12
MW-1	44-54	MW	03/05/10	<0.01	<0.01	15.4	13.7	<0.005	<0.005	-	-	<0.01	<0.01	-	-	<0.01	0.0057	-	-	-	-	<0.0002	<0.0002	-	-	0.077	<0.04	-	-	14.4	13.4	0.039	<0.02
MW-1 (DUP) (MPA MW-50, ICON BD-01)	44-54	MW	03/05/10	<0.01	<0.01	15.4	14.2	<0.005	<0.005	-	-	<0.01	<0.01	-	-	<0.01	0.0072	-	-	-	-	<0.0002	<0.0002	-	-	0.07	<0.04	-	-	14.4	12.7	0.014	<0.02
MW-2	42-52	MW	03/05/10	0.022	0.019	0.943	1.04	<0.005	<0.005	-	-	<0.01	<0.01	-	-	<0.01	<0.015	-	-	-	-	<0.0002	<0.0002	-	-	0.03	<0.04	-	-	0.877	0.93	0.015	<0.02
MW-3	37.5-47.5	MW	03/05/10	<0.01	<0.01	8.96	6.95	<0.005	<0.005	-	-	<0.01	<0.01	-	-	<0.01	0.0035	-	-	-	-	<0.0002	<0.0002	-	-	0.071	<0.04	-	-	9.54	7.3	0.016	<0.02
MW-6S	47-50	MW	05/12/10	-	0.0025	-	1.1	-	-	-	97	-	-	-	19.7	-	-	-	33	-	0.36	-	-	-	6.6	-	<0.04	-	429	-	-	-	-
MW-6S (ICON re-run)	47-50	MW	05/12/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Purvis Hebert Well (in use)	est. 41	WW	09/01/10	<0.01	<0.01	0.25	0.28	<0.005	<0.005	-	88.6	<0.01	<0.01	-	13.5	<0.01	<0.015	-	56.3	-	2.42	-	<0.0002	-	7.89	<0.02	<0.04	-	389	0.55	0.66	0.042	0.035
Purvis Hebert Well (in use) (DUP	est. 43	WW	09/01/10	<0.01	-	0.258	-	<0.005	-	-	-	<0.01	-	-	-	<0.01	-	-	-	-	-	-	-	-	-	<0.02	-	-	-	0.568	-	0.042	-
Purvis Hebert Well (in use)	est. 42	WW	04/21/14	-	<0.01	-	0.22	-	<0.005	-	61.5	-	<0.01	-	10.5	-	<0.015	-	41.9	-	1.57	-	<0.0002	-	6.09	-	-	-	309	-	0.47	-	0.053
SB-1	44-54	MW	05/07/10	<0.01	<0.01	4.81	5.02	<0.005	-	-	520	<0.01	-	-	15.6	<0.01	-	-	201	-	2.96	<0.0002	-	-	10.3	0.058	<0.04	-	1710	5.42	-	0.017	-
	44-54	MW	06/08/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	44-54	MW	04/21/14	-	<0.01	-	3.32	-	-	-	358	-	-	-	8.99	-	-	-	148	-	2.01	-	-	-	9	-	-	-	1260	-	-	-	-
SB-1 (DUP)	44-54	MW	04/21/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SB-2	42-52	MW	05/11/10	<0.01	0.0023	1.23	1.46	<0.005	-	-	200	<0.01	-	-	7.92	<0.01	-	-	70.3	-	0.61	-	-	-	6.33	<0.02	<0.04	-	581	1.46	-	0.024	-
SB-3	37-47	MW	05/12/10	-	<0.01	-	6.57	-	-	-	880	-	-	-	17.2	-	-	-	357	-	3.31	-	-	-	13.8	-	<0.04	-	2240	-	-	-	-
SB-3 (DUP)	37-47	MW	05/12/10	-	<0.01	-	6.51	-	-	-	860	-	-	-	17.4	-	-	-	356	-	3.28	-	-	-	13.7	-	<0.04	-	2250	-	-	-	-
SB-3 (ICON re-run)	37-47	MW	05/12/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70-100' Zone																																	
HP-MPA-02-I	(72-75')	HP	09/29/10	-	<0.01	-	1.5	-	<0.005	-	124	-	0.045	-	16.3	-	<0.015	-	47.4	-	0.49	-	-	-	5.99	-	<0.04	-	379	-	0.97	-	0.037
HP-MPA-03-I	(72-75')	HP	10/04/10	-	<0.01	-	1.8	-	<0.005	-	195	-	0.063	-	18.7	-	<0.015	-	67.8	-	0.53	-	<0.0002	-	6.83	-	<0.04	-	473	-	1.51	-	0.19
HP-MPA-04-I	(80-83')	HP	10/04/10	-	<0.01	-	1.02	-	<0.005	-	136	-	0.18	-	40.9	-	0.032	-	47.1	-	0.69	-	<0.0002	-	8.31	-	<0.04	-	460	-	1.05	-	0.34
HP-MPA-05-I	(72-75')	HP	10/06/10	-	<0.01	-	0.7	-	<0.005	-	102	-	0.031	-	11.6	-	<0.015	-	39.7	-	0.42	-	-	-	5.61	-	<0.04	-	380	-	0.83	-	0.067
HP-MPA-06-I	(72-75')	HP	10/06/10	-	0.013	-	1.45	-	<0.005	-	145	-	0.21	-	49.8	-	0.028	-	49.6	-	1.01	-	<0.0002	-	8.59	-	<0.04	-	488	-	1.1	-	0.24
HP-MPA-07-I	(72-75')	HP	10/05/10	-	<0.01	-	1.1	-	<0.005	-	110	-	0.095	-	22.7	-	<0.015	-	42.2	-	0.46	-	<0.0002	-	6.06	-	<0.04	-	429	-	0.93	-	0.22
HP-MPA-08-I	(72-75')	HP	10/05/10	-	<0.01	-	0.89	-	<0.005	-	129	-	0.034	-	31.7	-	0.027	-	66.3	-	0.83	-	<0.0002	-	13.1	-	<0.04	-	466	-	0.84	-	0.13
HP-MPA-09-I	(72-75')	HP	10/06/10	-	<0.01	-	1.93	-	<0.005	-	176	-	0.13	-	31.1	-	<0.015	-	61	-	0.86	-	<0.0002	-	8.99	-	<0.04	-	626	-	1.41	-	0.16
HP-MPA-10-I	(72-75')	HP	10/06/10	-	0.028	-	1.42	-	<0.005	-	132	-	0.34	-	82.8	-	0.057	-	45.5	-	1.74	-	<0.0002	-	11.9	-	<0.04	-	383	-	0.88	-	0.35
HP-MW-4D	(75-77)	MW	05/12/10	-	0.0047	-	0.79	-	-	-	118	-	-	-	20.3	-	-	-	44.3	-	0.45	-	-	-	6.18	-	<0.04	-	200	-	-	-	-
HP-MW-4D (ICON re-run)	(75-77)	MW	05/12/10		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HP-MW-5D	(75-77)	MW	05/12/10	-	0.0099	-	1.32	-	-	-	143	-	-	-	33	-	-	-	47.9	-	0.73	-	-	-	8.23	-	<0.04	-	442	-	-	-	-
HP-MW-5D (ICON re-run)	(75-77)	MW	05/12/10		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-
MW-6D	(75-77)	MW	05/12/10	-	0.0041	-	1.31	-	-	-	89.4	-	-	-	20.3	-	-	-	31.4	-	0.33	-	-	-	7.01	-	<0.04	-	445	-	-	-	-
MW-6D (ICON re-run)	(75-77)	MW	05/12/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-		-
SB-1-MW-D	(72-74)	MW	05/06/10	-	0.017	-	2.11	-	-	-	204	-	-	-	44.4	-	-	-	75.9	-	0.97	-	-	-	7.55	-	<0.04	-	628	-	-	-	-
SB-1-MW-D (ICON re-run)	(72-74)	MW	05/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HP-MW-1C	97-100	MW	05/13/10	-	<0.01	-	1.18	-	-	-	124	-	-	-	7.45	-	-	-	43.8	-	0.24	-	-	-	6.03	-	<0.04	-	494	-	-	-	-
MW-1C (ICON re-run)	97-100	MW	05/13/10		-		-		-		-		-		-		-		-		-		-		-		-		-		-		-
Chicot Zone																																	
AWW1	400	WW	11/14/06	0.011	-	0.431	-	<0.001	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	0.46	-	-	-
WW-1	400	WW	05/25/10	<0.01	<0.01	0.432	0.47	<0.005	-	-	49.9	<0.01	-	-	0.75	<0.01	-	-	17.7	-	0.082	-	-	-	2.47	<0.02	<0.04	-	161	0.461	-	0.022	-
J Guidry Well 1	est. 519	WW	9/1/2010	<0.01	<0.01	0.64	0.78	<0.005	<0.005	-	72.5	<0.01	<0.01	-	1.08	<0.01	<0.015	-	23.8	-	0.073	-	<0.0002	-	2.68	<0.02	<0.04	-	117	0.463	0.57	0.247	0.32
J Guidry Well 2	est. 519	WW	9/1/2010	-	<0.01	-	0.73	-	<0.005	-	68.3	-	<0.01	-	1.02	-	<0.015	-	22	-	0.068	-	<0.0002	-	2.47	-	<0.04	-	109	-	0.54	-	0.31
J Guidry Well 3	est. 519	WW	9/1/2010	-	<0.01	-	0.74	-	<0.005	-	70.5	-	<0.01	-	1.01	-	<0.015	-	22.8	-	0.068	-	<0.0002	-	2.46	-	<0.04	-	109	-	0.54	-	0.26

Notes:
"-" - Indicates parameter not analyzed
< - Not detected at limit shown
MW- Sample was collected via monitoring well
HP- Sample was collected via hydropunch method
WW- Sample was collected via water well

Table 6
Groundwater Analytical Data - All Zones

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

				TPH Fractions (mg/L)																									
			Constituent	Aliphatic >C10-C12		Aliphatic >C12-C16		Aliphatic >C16-C35		Aliphatic >C8-C10		Aliphatic C6-C8		Aromatic >C10-C12		Aromatic >C12-C16		Aromatic >C16-C21		Aromatic>C21-C35		Aromatic >C8-C10		>C10-C28		>C28-C35		C6-C10	
			Sampler	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
		Standards	**GWss**	0.15		0.15		7.3		0.15		3.2		0.15		0.15		0.15		0.15		0.15		0.15		0.15		0.15	
			GW3NDW	79		79		1600		79		3900		31		31		24		24		31		NS		NS		NS	
Sample ID	**Sample Interval (ft)**	**Well Type**	**Date**																										
Peat Zone																													
AB15	8-18	MW	11/13/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB19	8-18	MW	11/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB2	11-21	MW	11/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB3	10-20	MW	11/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB5	12-22	MW	11/13/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB6	8-18	MW	11/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB6 (DUP)	8-18	MW	11/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB7	10-20	MW	11/13/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-RA-1	8-18	MW	05/20/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-RA-2	8-18	MW	05/20/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MPA-RA-3	11-21	MW	05/20/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WL-6		MW	01/07/15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	-	-	-	-	-
40-50' Zone																													
A. Crouch Well (abandoned)	est. 34	WW	09/01/10	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	-	-	-	-	-
AB1	40-50	MW	11/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HP-MPA-01-T	42-45	HP	09/29/10	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	-	-	-	-	-
HP-MPA-02-T	42-45	HP	09/29/10	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	-	-	-	-	-
HP-MPA-03-T	42-45	HP	10/04/10	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	-	-	-	-	-
HP-MPA-04-T	42-45	HP	09/30/10	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	-	-	-	-	-
HP-MPA-05-T	42-45	HP	09/30/10	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	-	-	-	-	-
HP-MPA-06-T	42-45	HP	09/30/10	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	-	-	-	-	-
HP-MPA-07-T	42-45	HP	10/01/10	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	-	-	-	-	-
HP-MPA-08-T	42-45	HP	10/01/10	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	-	-	-	-	-
HP-MPA-09-T	42-45	HP	10/01/10	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	-	-	-	-	-
HP-MPA-10-T	42-45	HP	10/01/10	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	-	-	-	-	-
MW-1	44-54	MW	03/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.15	-	<0.15	-	<0.15
MW-1 (DUP) (MPA MW-50, ICON BD-01)	44-54	MW	03/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.15	-	<0.15	-	<0.15
MW-2	42-52	MW	03/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.15	-	<0.15	-	<0.15
MW-3	37.5-47.5	MW	03/05/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.15	-	<0.15	-	<0.15
MW-6S	47-50	MW	05/12/10	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	-	-	-	-	-
MW-6S (ICON re-run)	47-50	MW	05/12/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Purvis Hebert Well (in use)	est. 41	WW	09/01/10	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	-	-	-	-	-
Purvis Hebert Well (in use) (DUP	est. 43	WW	09/01/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Purvis Hebert Well (in use)	est. 42	WW	04/21/14	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	-	-	-	-	-
SB-1	44-54	MW	05/07/10	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	-	-	-	-	-
	44-54	MW	06/08/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	44-54	MW	04/21/14	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	-	-	-	-	-
SB-1 (DUP)	44-54	MW	04/21/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SB-2	42-52	MW	05/11/10	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	-	-	-	-	-
SB-3	37-47	MW	05/12/10	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	-	-	-	-	-
SB-3 (DUP)	37-47	MW	05/12/10	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	-	-	-	-	-
SB-3 (ICON re-run)	37-47	MW	05/12/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70-100' Zone																													
HP-MPA-02-I	(72-75')	HP	09/29/10	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	-	-	-	-	-
HP-MPA-03-I	(72-75')	HP	10/04/10	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	-	-	-	-	-
HP-MPA-04-I	(80-83')	HP	10/04/10	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	-	-	-	-	-
HP-MPA-05-I	(72-75')	HP	10/06/10	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	-	-	-	-	-
HP-MPA-06-I	(72-75')	HP	10/06/10	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	-	-	-	-	-
HP-MPA-07-I	(72-75')	HP	10/05/10	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	-	-	-	-	-
HP-MPA-08-I	(72-75')	HP	10/05/10	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	-	-	-	-	-
HP-MPA-09-I	(72-75')	HP	10/06/10	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	-	-	-	-	-
HP-MPA-10-I	(72-75')	HP	10/06/10	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	-	-	-	-	-
HP-MW-4D	(75-77)	MW	05/12/10	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	-	-	-	-	-
HP-MW-4D (ICON re-run)	(75-77)	MW	05/12/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HP-MW-5D	(75-77)	MW	05/12/10	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	-	-	-	-	-
HP-MW-5D (ICON re-run)	(75-77)	MW	05/12/10		-		-		-		-		-		-		-		-		-		-	-	-	-	-	-	-
MW-6D	(75-77)	MW	05/12/10	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	-	-	-	-	-
MW-6D (ICON re-run)	(75-77)	MW	05/12/10		-		-		-		-		-		-		-		-		-		-	-	-	-	-	-	-
SB-1-MW-D	(72-74)	MW	05/06/10	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	-	-	-	-	-
SB-1-MW-D (ICON re-run)	(72-74)	MW	05/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HP-MW-1C	97-100	MW	05/13/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1C (ICON re-run)	97-100	MW	05/13/10		-		-		-		-		-		-		-		-		-		-	-	-	-	-	-	-
Chicot Zone																													
AWW1	400	WW	11/14/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
WW-1	400	WW	05/25/10	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15						
J Guidry Well 1	est. 519	WW	9/1/2010	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15						
J Guidry Well 2	est. 519	WW	9/1/2010	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15						
J Guidry Well 3	est. 519	WW	9/1/2010	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15	-	<0.15						

Notes:
"-" - Indicates parameter not analyzed
< - Not detected at limit shown
MW- Sample was collected via monitoring well
HP- Sample was collected via hydropunch method
WW- Sample was collected via water well

Table 6
Groundwater Analytical Data - All Zones

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

				Hydrocarbons (mg/L)						BTEX Analysis (mg/L)								Water Quality (mg/L)											
			Constituent	TPH-GRO		TPH-DRO		TPH-ORO		Benzene		Ethylbenzene		Toluene		Xylene		Chloride		Bromide		Sulfate		Bicarbonate Alkalinity		Carbonate Alkalinity		TDS	
			Sampler	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
		Standards	**GWss**	0.15		0.15		0.15		0.005		0.7		1		10		NS		NS		250		NS		NS		500	
			GW3NDW	24		31		24		0.013		8.1		46		10		NS		NS		NS		NS		NS		NS	
Sample ID	**Sample Interval (ft)**	**Well Type**	**Date**																										
Peat Zone																													
AB15	8-18	MW	11/13/06	<0.15	-	0.214	-	0.206	-	<0.005	-	<0.005	-	<0.005	-	<0.015	-	7630	-	-	-	-	-	-	-	-	-	10300	-
AB19	8-18	MW	11/10/06	<0.15	-	<0.121	-	0.156	-	<0.005	-	<0.005	-	<0.005	-	<0.015	-	3020	-	-	-	-	-	-	-	-	-	3700	-
AB2	11-21	MW	11/10/06	<0.15	-	<0.12	-	<0.1	-	<0.005	-	<0.005	-	<0.005	-	<0.015	-	2310	-	-	-	-	-	-	-	-	-	3780	-
AB3	10-20	MW	11/10/06	<0.15	-	<0.122	-	<0.102	-	<0.005	-	<0.005	-	<0.005	-	<0.015	-	2660	-	-	-	-	-	-	-	-	-	3740	-
AB5	12-22	MW	11/13/06	<0.15	-	0.477	-	0.405	-	0.005	-	<0.005	-	<0.005	-	<0.015	-	14400	-	-	-	-	-	-	-	-	-	17200	-
AB6	8-18	MW	11/10/06	<0.15	-	0.185	-	0.163	-	<0.005	-	<0.005	-	<0.005	-	<0.015	-	3900	-	-	-	-	-	-	-	-	-	4840	-
AB6 (DUP)	8-18	MW	11/10/06	<0.15	-	0.171	-	0.162	-	<0.005	-	<0.005	-	<0.005	-	<0.015	-	3900	-	-	-	-	-	-	-	-	-	4190	-
AB7	10-20	MW	11/13/06	<0.15	-	<0.122	-	0.188	-	<0.005	-	<0.005	-	<0.005	-	<0.015	-	6210	-	-	-	-	-	-	-	-	-	7470	-
MPA-RA-1	8-18	MW	05/20/10	<0.15	-	0.214	-	0.206	-	<0.005	-	<0.005	-	<0.005	-	<0.015	-	7630	-	-	-	-	-	-	-	-	-	10300	-
MPA-RA-2	8-18	MW	05/20/10	<0.15	-	<0.121	-	0.156	-	<0.005	-	<0.005	-	<0.005	-	<0.015	-	3020	-	-	-	-	-	-	-	-	-	3700	-
MPA-RA-3	11-21	MW	05/20/10	<0.15	-	<0.12	-	<0.1	-	<0.005	-	<0.005	-	<0.005	-	<0.015	-	2310	-	-	-	-	-	-	-	-	-	3780	-
WL-6		MW	01/07/15	<0.15	-	0.85	-	0.33	-	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.05	<0.015	16600	18100	22.4	22.6	-	<20	415	295	<10	<1	32800	35500
40-50' Zone																													
A. Crouch Well (abandoned)	est. 34	WW	09/01/10	<0.15	-	<0.14	-	<0.13	-	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.05	<0.01	1630	1570	-	-	-	176	-	120	-	<1	3400	3240
AB1	40-50	MW	11/10/06	<0.15	-	<0.121	-	<0.101	-	<0.005	-	<0.005	-	<0.005	-	<0.015	-	888	-	-	-	-	-	-	-	-	-	1680	-
HP-MPA-01-T	42-45	HP	09/29/10	<0.15	-	0.15	-	0.12	-	<0.005	<0.005	<0.005	<0.005	<0.01	0.00609	<0.05	<0.01	990	928	-	-	-	<5	570	690	<10	<1	2500	2110
HP-MPA-02-T	42-45	HP	09/29/10	<0.15	-	<0.13	-	<0.12	-	<0.005	<0.005	<0.005	<0.005	<0.01	0.00764	<0.05	<0.01	2600	2130	-	-	-	53.9	200	224	<10	<1	4800	4060
HP-MPA-03-T	42-45	HP	10/04/10	<0.15	-	0.17	-	0.15	-	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.05	<0.01	850	801	-	-	-	<5	380	384	<10	<1	1900	1820
HP-MPA-04-T	42-45	HP	09/30/10	<0.15	-	<0.13	-	<0.12	-	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.05	<0.01	920	817	-	-	-	<5	460	447	<10	<1	2200	1660
HP-MPA-05-T	42-45	HP	09/30/10	<0.15	-	<0.13	-	<0.12	-	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.05	<0.01	890	831	-	-	-	21.7	360	345	<10	<1	2000	1680
HP-MPA-06-T	42-45	HP	09/30/10	<0.15	-	<0.13	-	<0.12	-	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.05	<0.01	1100	957	-	-	-	16.4	320	330	<10	<1	2700	1920
HP-MPA-07-T	42-45	HP	10/01/10	<0.15	-	<0.13	-	<0.12	-	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.05	<0.01	834	808	-	-	-	<5	450	410	<10	<1	1800	1570
HP-MPA-08-T	42-45	HP	10/01/10	<0.15	-	<0.13	-	<0.12	-	<0.005	<0.005	<0.005	<0.005	<0.01	0.00577	<0.05	<0.01	1500	1520	-	-	-	10.1	420	603	<10	<1	3300	3090
HP-MPA-09-T	42-45	HP	10/01/10	<0.15	-	<0.14	-	<0.12	-	<0.005	0.00508	<0.005	<0.005	<0.01	0.00646	<0.05	<0.01	2200	2350	-	-	-	69.1	230	270	<10	<1	4400	4520
HP-MPA-10-T	42-45	HP	10/01/10	<0.15	-	<0.13	-	<0.12	-	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.05	<0.01	820	850	-	-	-	<5	460	426	<10	<1	1900	1680
MW-1	44-54	MW	03/05/10	<0.15	-	<0.133	-	<0.122	-	0.03	0.028	<0.005	<0.005	<0.01	<0.005	<0.05	<0.01	9580	9150	-	19.2	-	-	-	-	-	-	18400	17000
MW-1 (DUP) (MPA MW-50, ICON BD-01)	44-54	MW	03/05/10	<0.15	-	<0.133	-	<0.122	-	0.029	0.028	<0.005	<0.005	<0.01	<0.005	<0.05	<0.01	9580	9040	-	19.3	-	-	-	-	-	-	18100	17300
MW-2	42-52	MW	03/05/10	<0.15	-	<0.133	-	<0.122	-	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.05	<0.01	852	960	-	3.18	-	-	-	-	-	-	1860	2010
MW-3	37.5-47.5	MW	03/05/10	<0.15	-	<0.133	-	<0.122	-	<0.005	0.00136	<0.005	<0.005	<0.01	<0.005	<0.05	<0.01	10700	9100	-	23.9	-	-	-	-	-	-	16300	17200
MW-6S	47-50	MW	05/12/10	<0.15	-	<0.136	-	<0.126	-	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.05	<0.01	746	772	-	-	-	<5	360	474	<10	<1	1440	1590
MW-6S (ICON re-run)	47-50	MW	05/12/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Purvis Hebert Well (in use)	est. 41	WW	09/01/10	<0.15	-	<0.136	-	<0.126	-	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.05	<0.01	824	851	-	-	-	90	-	225	-	<1	1800	1780
Purvis Hebert Well (in use) (DUP	est. 43	WW	09/01/10	<0.15	-	<0.135	-	<0.125	-	<0.005	-	<0.005	-	<0.01	-	<0.05	-	852	-	-	-	-	-	-	-	-	-	1720	-
Purvis Hebert Well (in use)	est. 42	WW	04/21/14	-	-	-	-	-	-	-	<0.001	-	<0.005	-	<0.005	-	<0.015	-	555	-	2.71	-	89.1	-	177	-	<1	-	1240
SB-1	44-54	MW	05/07/10	<0.15	-	<0.136	-	<0.126	-	0.016	0.017	<0.005	<0.005	<0.01	<0.005	<0.05	<0.01	5470	4160	-	-	-	<5	562	349	<10	<1	7880	7780
	44-54	MW	06/08/10	-	-	-	-	-	-	0.014	0.015	<0.005	<0.005	<0.01	<0.005	<0.05	<0.01	-	-	-	-	-	-	-	-	-	-	-	-
	44-54	MW	04/21/14	-	-	-	-	-	-	-	0.015	-	<0.005	-	<0.005	-	<0.015	-	3120	-	13.4	-	<4	-	384	-	<1	-	5400
SB-1 (DUP)	44-54	MW	04/21/14	-	-	-	-	-	-	-	0.013	-	<0.005	-	<0.005	-	<0.015	-	-	-	-	-	-	-	-	-	-	-	-
SB-2	42-52	MW	05/11/10	<0.15	-	<0.134	-	<0.124	-	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.05	<0.01	1060	1220	-	-	-	10.6	300	602	<10	<1	5100	2530
SB-3	37-47	MW	05/12/10	<0.15	-	<0.134	-	<0.124	-	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.05	<0.01	6180	7270	-	-	-	2.4	382	395	<10	<1	12800	12200
SB-3 (DUP)	37-47	MW	05/12/10	-	-	-	-	-	-	-	<0.005	-	<0.005	-	<0.005	-	<0.01	-	7160	-	-	-	<5	-	385	-	<1	-	12000
SB-3 (ICON re-run)	37-47	MW	05/12/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70-100' Zone																													
HP-MPA-02-I	(72-75')	HP	09/29/10	<0.15	-	<0.13	-	<0.12	-	<0.005	<0.005	<0.005	<0.005	<0.01	0.00574	<0.05	<0.01	1300	641	-	-	-	<5	310	352	<10	<1	2500	1260
HP-MPA-03-I	(72-75')	HP	10/04/10	<0.15	-	<0.13	-	<0.12	-	<0.005	<0.005	<0.005	<0.005	<0.01	0.00774	<0.05	<0.005	820	959	-	-	-	<5	360	351	<10	<1	1800	2220
HP-MPA-04-I	(80-83')	HP	10/04/10	<0.15	-	<0.13	-	<0.12	-	<0.005	<0.005	<0.005	<0.005	0.01	0.011	<0.05	<0.005	820	809	-	-	-	<5	360	379	<10	<1	1800	1900
HP-MPA-05-I	(72-75')	HP	10/06/10	<0.15	-	<0.13	-	<0.12	-	<0.005	<0.005	<0.005	<0.005	<0.01	0.00711	<0.05	<0.005	760	629	-	-	-	<5	320	407	<10	<1	1600	1530
HP-MPA-06-I	(72-75')	HP	10/06/10	<0.15	-	<0.13	-	<0.12	-	<0.005	<0.005	<0.005	<0.005	<0.01	0.00657	<0.05	<0.005	990	851	-	-	-	<5	370	457	<10	<1	1900	2030
HP-MPA-07-I	(72-75')	HP	10/05/10	<0.15	-	<0.13	-	<0.12	-	<0.005	<0.005	<0.005	<0.005	<0.01	0.00757	<0.05	<0.005	850	696	-	-	-	<5	370	402	<10	<1	1700	1710
HP-MPA-08-I	(72-75')	HP	10/05/10	<0.15	-	<0.13	-	<0.12	-	<0.005	<0.005	<0.005	<0.005	<0.01	0.00635	<0.05	<0.005	830	737	-	-	-	30	280	339	<10	<1	1600	1870
HP-MPA-09-I	(72-75')	HP	10/06/10	<0.15	-	<0.13	-	<0.12	-	<0.005	<0.005	<0.005	<0.005	<0.01	0.00822	<0.05	<0.005	1500	1110	-	-	-	<5	280	405	<10	<1	2800	2610
HP-MPA-10-I	(72-75')	HP	10/06/10	<0.15	-	<0.13	-	<0.12	-	<0.005	<0.005	<0.005	<0.005	<0.01	0.0072	<0.05	<0.005	690	613	-	-	-	<5	340	442	<10	<1	1400	1520
HP-MW-4D	(75-77)	MW	05/12/10	<0.15	-	<0.131	-	<0.121	-	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.05	<0.01	426	447	-	-	-	<5	288	328	<10	<1	1030	1230
HP-MW-4D (ICON re-run)	(75-77)	MW	05/12/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HP-MW-5D	(75-77)	MW	05/12/10	<0.15	-	<0.135	-	<0.125	-	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.05	<0.01	923	944	-	-	-	<5	298	364	<10	<1	1860	2110
HP-MW-5D (ICON re-run)	(75-77)	MW	05/12/10		-		-		-		-		-		-		-		-	-	-		-		-	-	-	-	-
MW-6D	(75-77)	MW	05/12/10	<0.15	-	<0.133	-	<0.122	-	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.05	<0.01	550	598	-	-	-	37.8	430	588	<10	<1	1540	1500
MW-6D (ICON re-run)	(75-77)	MW	05/12/10		-		-		-		-		-		-		-		-	-	-	-	-	-	-	-	-	-	-
SB-1-MW-D	(72-74)	MW	05/06/10	<0.15	-	<0.14	-	<0.146	-	<0.005	0.00185	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	1310	1420	-	-	-	<5	288	356	<10	<1	2660	2800
SB-1-MW-D (ICON re-run)	(72-74)	MW	05/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HP-MW-1C	97-100	MW	05/13/10	<0.15	-	<0.131	-	<0.121	-	<0.005	-	<0.005	-	<0.01	-	<0.05	-	888	1000	-	-	-	<5	340	351	<10	<1	1820	2150
MW-1C (ICON re-run)	97-100	MW	05/13/10		-		-		-		-		-		-		-		-	-	-	-	-	-	-	-	-	-	-
Chicot Zone																													
AWW1	400	WW	11/14/06	<0.15	-	0.839	-	0.447	-	<0.005	-	<0.005	-	<0.005	-	<0.015	-	170	-		-	-	-	-	-	-	-	553	-
WW-1	400	WW	05/25/10	<0.15	-	<0.135	-	<0.125	-	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.05	<0.01	192	195		-	-	<5	368	356	<10	<1	663	616
J Guidry Well 1	est. 519	WW	9/1/2010	<0.15	-	<0.136	-	<0.126	-	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.05	<0.01	163	139		-	-	<5	-	340	-	<1	607	604
J Guidry Well 2	est. 519	WW	9/1/2010	-	-	-	-	-	-	-	<0.005	-	<0.005	-	<0.005	-	<0.01	-	139		-	-	<5	-	334	-	<1	-	582
J Guidry Well 3	est. 519	WW	9/1/2010	-	-	-	-	-	-	-	<0.005	-	<0.005	-	<0.005	-	<0.01	-	139		-	-	<5	-	345	-	<1	-	632

Notes:
"-" - Indicates parameter not analyzed
< - Not detected at limit shown
MW- Sample was collected via monitoring well
HP- Sample was collected via hydropunch method
WW- Sample was collected via water well

Table 6
Groundwater Analytical Data - All Zones

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

				Radionuclides (pCi/L)										Dissolved Radionuclides (pCi/L)										Field Measurements					
			Constituent	Gross Alpha		Gross Beta		Radium 226		Radium 228		Combined 226/228		Gross Alpha		Gross Beta		Radium 226		Radium 228		Combined 226/228		Field EC (uS)		Field pH (std units)		Field Turbidity (NTU)	
			Sampler	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA	ICON	MPA
Standards			**GWss**	NS		NS		NS		NS		5		NS		NS		NS		NS		5		NS		NS		NS	
			GW3NDW	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Sample ID	**Sample Interval (ft)**	**Well Type**	**Date**																										
Peat Zone																													
AB15	8-18	MW	11/13/06	-	-	-	-	20.5	-	3.77	-	24.27	-	-	-	-	-	-	-	-	-	-	-	17990	-	6.19	-	32	-
AB19	8-18	MW	11/10/06	-	-	-	-	4.17	-	1.79	-	5.96	-	-	-	-	-	-	-	-	-	-	-	6080	-	6.45	-	15.5	-
AB2	11-21	MW	11/10/06	-	-	-	-	5.17	-	1.37	-	6.54	-	-	-	-	-	-	-	-	-	-	-	6680	-	7.15	-	-	-
AB3	10-20	MW	11/10/06	-	-	-	-	5.81	-	1.13	-	6.94	-	-	-	-	-	-	-	-	-	-	-	6050	-	7.01	-	260	-
AB5	12-22	MW	11/13/06	-	-	-	-	2.24	-	2.15	-	4.39	-	-	-	-	-	-	-	-	-	-	-	27510	-	6.65	-	77	-
AB6	8-18	MW	11/10/06	-	-	-	-	5	-	2.81	-	7.81	-	-	-	-	-	-	-	-	-	-	-	8630	-	6.04	-	24	-
AB6 (DUP)	8-18	MW	11/10/06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8630	-	6.04	-	24	-
AB7	10-20	MW	11/13/06	-	-	-	-	17.7	-	1.15	-	18.85	-	-	-	-	-	-	-	-	-	-	-	13150	-	7.2	-	13.4	-
MPA-RA-1	8-18	MW	05/20/10	-	37.87	-	75.9	20.5	2.17	3.77	0.99	24.27	-	-	1.51	-	13.77	-	0.66	-	0.76	-	-	-	-	-	-	-	-
MPA-RA-2	8-18	MW	05/20/10	-	15.14	-	80.77	4.17	0.85	1.79	0.84	5.96	-	-	-14.12	-	16.75	-	0.42	-	0.65	-	-	-	-	-	-	-	-
MPA-RA-3	11-21	MW	05/20/10	-	407.45	-	1431.76	5.17	4.79	1.37	2.23	6.54	-	-	-4.48	-	32.36	-	0.96	-	0.4	-	-	-	-	-	-	-	-
WL-6		MW	01/07/15	-	-	-	-	20.6	13.9	10.9	10.6	31.5	24.5	-	-	-	-	-	-	-	-	-	-	40.24	-	7.34	-	3.56	-
40-50' Zone																													
A. Crouch Well (abandoned)	est. 34	WW	09/01/10	-	7.44	-	25.25	-	0.88	-	1.71	-	2.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB1	40-50	MW	11/10/06	-	-	-	-	1.44	-	-0.07	-	1.37	-	-	-	-	-	-	-	-	-	-	-	2510	-	7.29	-	45	-
HP-MPA-01-T	42-45	HP	09/29/10	-	-4.98	-	13.97	-	1.64	-	1.73	-	3.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	191	212
HP-MPA-02-T	42-45	HP	09/29/10	-	-9.79	-	16.43	-	0.54	-	1.13	-	1.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32.4	77
HP-MPA-03-T	42-45	HP	10/04/10	-	3.44	-	9.20	-	0.85	-	1.37	-	2.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	170	331
HP-MPA-04-T	42-45	HP	09/30/10	-	5.66	-	-1.50	-	1.84	-	3.12	-	4.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	796	470
HP-MPA-05-T	42-45	HP	09/30/10	-	2.02	-	12.48	-	0.54	-	2.37	-	2.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1748	27
HP-MPA-06-T	42-45	HP	09/30/10	-	8.14	-	0.67	-	1.29	-	1.60	-	2.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	275	313
HP-MPA-07-T	42-45	HP	10/01/10	-	-1.21	-	4.25	-	1.26	-	1.71	-	2.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	226	390
HP-MPA-08-T	42-45	HP	10/01/10	-	6.35	-	17.01	-	2.65	-	1.81	-	4.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27.5	28
HP-MPA-09-T	42-45	HP	10/01/10	-	1.50	-	17.48	-	2.63	-	3.34	-	5.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.8	27
HP-MPA-10-T	42-45	HP	10/01/10	-	-6.02	-	18.16	-	2.36	-	3.33	-	5.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1057	>1000
MW-1	44-54	MW	03/05/10	-	2.92	-	2.20	12.20	1.22	11.30	0.97	23.50	2.19	-	23.95	-	33.00	12.20	4.76	11.30	2.68	23.50	7.44	21280	-	6.83	-	1.9	-
MW-1 (DUP) (MPA MW-50, ICON BD-01)	44-54	MW	03/05/10	-	5.15	-	26.44	7.91	1.04	10.20	1.06	18.11	2.10	-	-44.78	-	31.90	-	5.30	-	11.54	-	16.84	21280	-	6.83	-	1.9	-
MW-2	42-52	MW	03/05/10	-	-0.13	-	-1.03	0.99	0.23	1.92	0.10	2.91	0.33	-	5.07	-	5.71	-	1.82	-	1.51	-	3.33	3061	-	7.46	-	0.68	-
MW-3	37.5-47.5	MW	03/05/10	-	0.14	-	6.83	9.66	1.20	7.97	1.54	17.63	2.74	-	6.93	-	-25.94	-	6.18	-	5.72	-	11.90	22720	-	6.17	-	0.78	-
MW-6S	47-50	MW	05/12/10	-	-	-	-	-	-	-	-	-	-	-	3.08	-	7.08	-	1.44	-	1.01	-	2.45	-	-	-	-	-	-
MW-6S (ICON re-run)	47-50	MW	05/12/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Purvis Hebert Well (in use)	est. 41	WW	09/01/10	-	5.31	-	20.10	-	0.54	-	0.77	-	1.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Purvis Hebert Well (in use) (DUP	est. 43	WW	09/01/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Purvis Hebert Well (in use)	est. 42	WW	04/21/14	-	-	-	-	-	0.41	-	0.26	-	0.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SB-1	44-54	MW	05/07/10	-	5.23	-	8.97	-	0.80	-	0.50	-	1.30	-	26.35	-	35.84	-	4.67	-	2.77	-	7.44	-	-	-	-	19.6	-
	44-54	MW	06/08/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	44-54	MW	04/21/14	-	-	-	-	-	4.12	-	9.28	-	13.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SB-1 (DUP)	44-54	MW	04/21/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SB-2	42-52	MW	05/11/10	-	1.38	-	2.26	-	0.13	-	0.13	-	0.26	-	6.33	-	1.10	-	2.27	-	1.76	-	4.03	-	-	-	-	45.8	-
SB-3	37-47	MW	05/12/10	-	5.07	-	12.50	-	1.23	-	1.18	-	2.41	-	60.96	-	2.87	-	22.60	-	9.89	-	32.49	-	-	-	-	188.6	-
SB-3 (DUP)	37-47	MW	05/12/10	-	4.14	-	12.33	-	1.26	-	1.17	-	2.43	-	-29.01	-	-23.51	-	12.18	-	5.16	-	17.34	-	-	-	-	-	-
SB-3 (ICON re-run)	37-47	MW	05/12/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70-100' Zone																													
HP-MPA-02-I	(72-75')	HP	09/29/10	-	3.53	-	3.41	-	1.29	-	1.53	-	2.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2119	862
HP-MPA-03-I	(72-75')	HP	10/04/10	-	7.86	-	20.33	-	1.70	-	3.03	-	4.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	217	285
HP-MPA-04-I	(80-83')	HP	10/04/10	-	13.55	-	15.60	-	2.60	-	3.42	-	6.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3519	441
HP-MPA-05-I	(72-75')	HP	10/06/10	-	-0.61	-	3.74	-	1.25	-	2.73	-	3.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	854	497
HP-MPA-06-I	(72-75')	HP	10/06/10	-	10.57	-	5.79	-	2.59	-	3.44	-	6.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	193	88
HP-MPA-07-I	(72-75')	HP	10/05/10	-	16.63	-	8.85	-	2.61	-	2.88	-	5.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1470	759
HP-MPA-08-I	(72-75')	HP	10/05/10	-	8.48	-	21.10	-	2.22	-	1.85	-	4.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3477	461
HP-MPA-09-I	(72-75')	HP	10/06/10	-	16.63	-	15.34	-	2.90	-	2.96	-	5.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HP-MPA-10-I	(72-75')	HP	10/06/10	-	8.46	-	5.29	-	2.47	-	3.77	-	6.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HP-MW-4D	(75-77)	MW	05/12/10	-	-		-		-		-	-	-	-	2.96	-	11.45	-	0.71	-	-0.08	-	0.63	-	-	-	-	-	-
HP-MW-4D (ICON re-run)	(75-77)	MW	05/12/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HP-MW-5D	(75-77)	MW	05/12/10	-	-		-		-		-		-	-	8.42	-	4.58	-	1.44	-	0.73	-	2.17	-	-	-	-	-	-
HP-MW-5D (ICON re-run)	(75-77)	MW	05/12/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6D	(75-77)	MW	05/12/10	-	-		-		-		-		-	-	-5.85	-	3.78	-	1.26	-	1.15	-	2.41	-	-	-	-	454.7	-
MW-6D (ICON re-run)	(75-77)	MW	05/12/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SB-1-MW-D	(72-74)	MW	05/06/10	-	17.17	-	36.47	-	1.32	-	0.71	-	2.03	-	3.25	-	7.19	-	2.59	-	1.96	-	4.55	-	-	-	-	-	-
SB-1-MW-D (ICON re-run)	(72-74)	MW	05/06/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HP-MW-1C	97-100	MW	05/13/10	-	-	-	-	-	-	-	-	-	-	-	4.24	-	6.47	-	1.42	-	0.31	-	1.73	-	-	-	-	-	-
MW-1C (ICON re-run)	97-100	MW	05/13/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chicot Zone																													
AWW1	400	WW	11/14/06	-	-	-	-	0.50	-	1.01	-	1.51	-	-	-	-	-	-	-	-	-	-	-	1306	-	7.62	-	8	-
WW-1	400	WW	05/25/10	-	3.11	-	2.26	-	0.32	-	0.18	-	0.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
J Guidry Well 1	est. 519	WW	9/1/2010	-	0.96	-	2.75	-	1.22	-	1.05	-	2.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
J Guidry Well 2	est. 519	WW	9/1/2010	-	0.00	-	2.82	-	1.22	-	1.89	-	3.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
J Guidry Well 3	est. 519	WW	9/1/2010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
"-" - Indicates parameter not analyzed
< - Not detected at limit shown
MW- Sample was collected via monitoring well
HP- Sample was collected via hydropunch method
WW- Sample was collected via water well

Table 7
Tank Battery B (South Pit) Closure Cost Estimate

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

	Unit Cost	Units	Quantity	Cost	Cost Basis
Permitting, Planning and Reporting					
Work Plan Development	$10,000	unit	1	$10,000	MP&A Estimate
Permitting (Coastal Use and Wetlands)	$15,000	unit	1	$15,000	MP&A Estimate
Closure Report Preparation and Submittal	$10,000	unit	1	$10,000	MP&A Estimate
Permitting and Planning Subtotal				*$35,000*	
Pit Closure (Removal and Backfill approximately 1700 cubic yards)					
Mobilization and Barge Charters	$30,000	unit	1	$30,000	SED-15 Area Unit Cost
Excavation and Transport to Disposal Facility	$17,500	day	6	$105,000	SED-15 Area Unit Cost
Purchase Backfill	$19.50	cy	2,210	$43,095	SED-15 Area Unit Cost
Receive, Transport and Place Backfill	$18,000	day	6	$108,000	SED-15 Area Unit Cost
Grade and Reseed	$3,000	unit	1	$3,000	SED-15 Area Unit Cost
Disposal of Excavated Material	$23.50	bbl	8,160	$191,760	ECOSERVE Rate
Barge Cleaning	$6,000	barge	4	$24,000	ECOSERVE Rate
Construction Oversight	$1,250	day	12	$15,000	MP&A Estimate
Sampling and Analytical	$7,500	unit	1	$7,500	MP&A Estimate
Pit Closure Subtotal				*$527,355*	
Pit Closure Subtotal				**$562,355**	
10% Contingency				**$56,236**	
Pit Closure Total				***$618,591***	
			SAY . . .	***$619,000***	

Notes:

1. Assumes excavation and offsite disposal of approximately 1700 cubic yards of soil (10 feet of affected material) with clean overburden re-used.
2. Unit prices on pit closure activities include a 12% markup on contracted tasks.
3. Backfill quantity based on 30% increase from inplace to loose cubic yards.

Table 8
Proposed Quarterly Groundwater Monitoring

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

Installation of 3 Additional Small Diameter MWs (Assume 60-feet)	Unit Cost	Units	Quantity		Cost	Cost Basis
Drill Rig Mobilization/Demobilization	$1,850	unit	1		$2,128	05/27/2014 Walker Hill Estimate & 15% contingency
One-inch PVC Well Materials	$8.50	unit	180		$1,760	05/27/2014 Walker Hill Estimate & 15% contingency
Drill Crew Per Diem	$300	day	5		$1,725	05/27/2014 Walker Hill Estimate & 15% contingency
Above-grade Surface Completions	$600	unit	3		$2,070	05/27/2014 Walker Hill Estimate & 15% contingency
Boat/Barge for Access to Drilling Locations	$4,800	unit	5		$27,600	05/27/2014 Walker Hill Estimate & 15% contingency
MP&A Oversight, Development, and Equipment	$2,600	day	6		$15,600	MP&A Cost
Investigation Derived Waste Handling - Soil and Well Development Water	$2,000	Lump	1		$2,000	MP&A Cost
Subtotal					*$58,170*	Includes 10% MP&A Markup

Monitoring Well Surveying	Unit Cost	Units	Quantity		Cost	Cost Basis
Two-man Survey Crew plus Equipment and Office	$3,500	day	1		$3,500	MP&A Estimate
Subtotal					*$3,850*	Includes 10% MP&A Markup

Quarterly Sampling- 6 MP&A Monitoring Wells	Unit Cost	Units	Quantity	No Quarters	Cost	Cost Basis
2-Person MP&A Sampling Team and Boat	$4,000	day	2	12	$110,400	MP&A Estimate & 15% contingency
BTEX analysis	$50	sample	6	12	$3,600	GCAL Estimate
Barium analysis	$10	sample	6	12	$720	GCAL Estimate
Chloride & TDS analysis	$22	sample	6	12	$1,584	GCAL Estimate
Sampling Equipment	$500	event	1	12	$6,000	MP&A Estimate
Subtotal					*$134,534*	Includes 10% MP&A Markup

Project Management and Reporting	Unit Cost	Units	Quantity	Years	Cost	Cost Basis
Project Management	$5,000	year	1	3	$15,000	MP&A Estimate
Data Evaluation and Quarterly Reporting	$20,000	year	1	3	$60,000	MP&A Estimate
Subtotal					*$75,000*	

Subtotal		**$271,555**
10% Contingency		**$27,155**
Total Cost - Three Years of Quarterly Monitoring		***$298,710***
	SAY . . .	***$300,000***

Table 9
Groundwater Recovery and Disposal Cost Estimate

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

Area and Volume Assumptions		Units	Basis
Area	442,675	sq ft	
Assumed Thickness	20	ft	
Pore Volume of Saturated Thickness (based on 30% porosity)	2,656,050	cu ft	Assumed porosity of 30%
Pore Water Volume (gallons)	19,867,254	gal	Assumed porosity of 30%

Initial RW Installation, Pump Test, and Pilot Evaluation	Unit Cost	Units	Quantity	Cost	Cost Basis
Drill Rig Mobilization/Demobilization	$1,850	unit	1	$2,128	05/27/2014 Walker Hill Estimate
Sonic Drill Rig and Crew (one four-inch well and one two-inch well)	$5,500	day	5	$31,625	05/27/2014 Walker Hill Estimate
Four-inch PVC Well Materials	$25	foot	60	$1,725	05/27/2014 Walker Hill Estimate
One-inch PVC Well Materials	$9	unit	60	$587	05/27/2014 Walker Hill Estimate
Drill Crew Per Diem	$300	day	5	$1,725	05/27/2014 Walker Hill Estimate
Above-grade Surface Completions	$600	unit	2	$1,380	05/27/2014 Walker Hill Estimate
2 HP 55 GPM Well Pump, Motor, and Control Box	$2,500	unit	1	$2,875	05/27/2014 Walker Hill Estimate
Boat/Barge for Access to Drilling Locations	$4,800	unit	5	$27,600	05/27/2014 Walker Hill Estimate
Temporary Electrical Hookup	$3,000	unit	1	$3,450	MP&A Cost
MP&A Oversight, Development, and Equipment	$1,250	day	6	$7,500	MP&A Cost
MP&A Labor for 72-Hour Pump Test	$3,750	day	3	$11,250	MP&A Cost
Data Loggers for Pump Test	$2,000	unit	2	$4,600	MP&A Cost
Water Barge for Pump Test	$350	day	4	$1,610	Crain Brothers Estimate
Data Evaluation and Reporting	$7,500	unit	1	$7,500	MP&A Cost
Initial RW Installation, Pump Test, and Pilot Evaluation Subtotal				*$105,554*	Includes 15% contractor overhead and profit

Final GW RW Installation - Assume One Additional Recovery Well	Unit Cost	Units	Quantity	Cost	Cost Basis
Drill Rig Mobilization/Demobilization	$1,850	unit	1	$2,128	05/27/2014 Walker Hill Estimate
Sonic Drill Rig and Crew (one four-inch well)	$5,500	day	3	$18,975	05/27/2014 Walker Hill Estimate
Four-inch PVC Well Materials	$25	foot	60	$1,725	05/27/2014 Walker Hill Estimate
One-inch PVC Well Materials	$9	unit	0	$0	05/27/2014 Walker Hill Estimate
Drill Crew Per Diem	$300	day	3	$1,035	05/27/2014 Walker Hill Estimate
Above-grade Surface Completions	$600	unit	1	$690	05/27/2014 Walker Hill Estimate
2 HP 55 GPM Well Pump, Motor, and Control Box	$2,500	unit	1	$2,875	05/27/2014 Walker Hill Estimate
Boat/Barge for Access to Drilling Locations	$4,800	unit	3	$16,560	05/27/2014 Walker Hill Estimate
MP&A Oversight, Development, and Equipment	$1,250	day	3	$3,750	MP&A Cost
GW Recovery Distribution Piping and Fittings	$2,939	unit	2	$6,759	ICON Cost - 11 wells x 2 wells
Plumbing, Two-man Crew	$130	man hr	45	$6,728	ICON Cost - 11 wells x 2 wells
Electrical Hookup	$350	hr	25	$10,063	ICON Cost - 11 wells x 2 wells
Storage Tank for Recovered Groundwater	$9,000	unit	2	$20,700	ICON Unit Cost
Permitting and Reporting	$15,000	unit	1	$15,000	MP&A Cost
Final GW RW Installation Subtotal				*$106,986*	Includes 15% contractor overhead and profit

Table 9
Groundwater Recovery and Disposal Cost Estimate

East White Lake Oil and Gas Field
Vermilion Parish, Louisiana

Monitoring Well Surveying	Unit Cost	Units	Quantity		Cost	Cost Basis
Two-man Survey Crew plus Equipment and Office	$2,500	day	1		$2,500	MP&A Estimate
Monitoring Well Surveying Subtotal					*$3,450*	Includes 15% contractor overhead and profit

On-site Disposal Capital Costs	Unit Cost	Units	Quantity		Cost	Cost Basis
Three-inch Flowline at 3,000 Linear Feet to Connect to Existing Operations	$30	feet	3,000		$90,000	Estimate from Peak Energy
On-site Disposal Capital Costs Subtotal					*$103,500*	Includes 15% contractor overhead and profit

Recovery Operation and Maintenance	Unit Cost	Units	Quantity	Quarterly or Annual	Cost	Cost Basis
Energy Consumption (Recovery Pumps)	$0.08	kWh	24,309	8	$17,891	MP&A Estimate (Vermilion Parish 2013)
Personnel (O&M)	$65	hr	180	8	$93,600	MP&A Estimate - Assumes 15 hours per week
Project Management	$100	hr	30	8	$24,000	MP&A Estimate
Miscellaneous Equipment	$2,000	year	1	2	$4,000	MP&A Estimate
Quarterly Sampling	$15,000	year	1	2	$30,000	MP&A Estimate
Recovery Operation and Maintenance Subtotal					*$169,491*	Includes 15% contractor overhead and profit

Project Management and Reporting	Unit Cost	Units	Quantity	Years	Cost	Cost Basis
Project Management	$5,000	year	1	2	$10,000	MP&A Estimate
Data Evaluation and Reporting	$20,000	year	1	2	$40,000	MP&A Estimate
Project Management and Reporting Subtotal					*$50,000*	

On-site Disposal Operation and Maintenance (Annual)	Unit Cost	Units	Quantity	Years	Cost	Cost Basis
Chemical Treatment (Biocide)	$10,000	year	1	2	$20,000	ICON Unit Cost
Acid Wash SWD ($100,000 every two years)	$50,000	year	1	2	$100,000	MP&A Cost
On-site Disposal Operation and Maintenance (Annual) Subtotal					*$120,000*	

Contingent Groundwater Recovery Subtotal	**$658,982**
20% Contingency	**$131,796**
Total Cost - Two Years of Operation	***$790,778***
SAY . . .	***$790,000***

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Vermilion Parish, Louisiana

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