

Attachment M

Lion Oil Outfall 001

Effluent Data

TDS POR January 2005-April 2012

SO₄ POR January 2005-April 2012

Cl POR February 2008-May 2010

Selenium POR January 2005-April 2012

Lion Oil Outfall 001 Effluent Data POR January 2005 - April 2012

Date Collected	Parameter Name	Concentration (mg/l)
1/5/2005	Dissolved Solids, Total	1,852
1/9/2005	Dissolved Solids, Total	1,368
1/18/2005	Dissolved Solids, Total	1,644
1/25/2005	Dissolved Solids, Total	1,810
2/2/2005	Dissolved Solids, Total	1,842
2/9/2005	Dissolved Solids, Total	1,680
2/13/2005	Dissolved Solids, Total	2,116
2/21/2005	Dissolved Solids, Total	2,322
3/1/2005	Dissolved Solids, Total	1,974
3/9/2005	Dissolved Solids, Total	2,066
3/16/2005	Dissolved Solids, Total	2,270
3/23/2005	Dissolved Solids, Total	2,042
3/28/2005	Dissolved Solids, Total	2,266
4/4/2005	Dissolved Solids, Total	2,336
4/13/2005	Dissolved Solids, Total	1,340
4/21/2005	Dissolved Solids, Total	1,930
4/26/2005	Dissolved Solids, Total	1,794
5/3/2005	Dissolved Solids, Total	2,194
5/10/2005	Dissolved Solids, Total	1,918
5/16/2005	Dissolved Solids, Total	2,296
5/25/2005	Dissolved Solids, Total	2,518
6/1/2005	Dissolved Solids, Total	1,830
6/7/2005	Dissolved Solids, Total	1,998
6/13/2005	Dissolved Solids, Total	2,034
6/23/2005	Dissolved Solids, Total	2,222
6/28/2005	Dissolved Solids, Total	2,196
7/5/2005	Dissolved Solids, Total	2,640
7/13/2005	Dissolved Solids, Total	2,222
7/21/2005	Dissolved Solids, Total	2,018
7/26/2005	Dissolved Solids, Total	2,470
8/3/2005	Dissolved Solids, Total	2,340
8/8/2005	Dissolved Solids, Total	2,000
8/18/2005	Dissolved Solids, Total	1,990
8/24/2005	Dissolved Solids, Total	1,744
8/30/2005	Dissolved Solids, Total	1,602
9/8/2005	Dissolved Solids, Total	1,958
9/12/2005	Dissolved Solids, Total	318
9/19/2005	Dissolved Solids, Total	2,072
9/28/2005	Dissolved Solids, Total	1,652
10/4/2005	Dissolved Solids, Total	1,908
10/17/2005	Dissolved Solids, Total	2,460
10/25/2005	Dissolved Solids, Total	2,462
11/3/2005	Dissolved Solids, Total	2,468

11/9/2005	Dissolved Solids, Total	2,604
11/13/2005	Dissolved Solids, Total	2,340
11/22/2005	Dissolved Solids, Total	2,322
11/30/2005	Dissolved Solids, Total	2,250
12/5/2005	Dissolved Solids, Total	2,838
12/13/2005	Dissolved Solids, Total	2,436
12/19/2005	Dissolved Solids, Total	3,298
12/29/2005	Dissolved Solids, Total	2,998
1/4/2006	Dissolved Solids, Total	3,258
1/12/2006	Dissolved Solids, Total	3,128
1/17/2006	Dissolved Solids, Total	2,146
1/25/2006	Dissolved Solids, Total	3,128
1/30/2006	Dissolved Solids, Total	2,342
2/5/2006	Dissolved Solids, Total	2,728
2/16/2006	Dissolved Solids, Total	2,976
2/22/2006	Dissolved Solids, Total	2,690
2/27/2006	Dissolved Solids, Total	2,848
3/9/2006	Dissolved Solids, Total	2,974
3/15/2006	Dissolved Solids, Total	3,154
3/23/2006	Dissolved Solids, Total	2,116
3/27/2006	Dissolved Solids, Total	2,368
4/4/2006	Dissolved Solids, Total	2,836
4/11/2006	Dissolved Solids, Total	2,588
4/17/2006	Dissolved Solids, Total	2,948
4/26/2006	Dissolved Solids, Total	2,536
5/4/2006	Dissolved Solids, Total	2,376
5/9/2006	Dissolved Solids, Total	2,384
5/18/2006	Dissolved Solids, Total	2,332
5/23/2006	Dissolved Solids, Total	2,478
6/1/2006	Dissolved Solids, Total	2,262
6/7/2006	Dissolved Solids, Total	2,374
6/15/2006	Dissolved Solids, Total	2,704
6/20/2006	Dissolved Solids, Total	2,106
6/27/2006	Dissolved Solids, Total	2,496
7/4/2006	Dissolved Solids, Total	2,690
7/9/2006	Dissolved Solids, Total	2,396
7/18/2006	Dissolved Solids, Total	1,876
7/26/2006	Dissolved Solids, Total	2,878
8/2/2006	Dissolved Solids, Total	2,464
8/9/2006	Dissolved Solids, Total	2,116
8/15/2006	Dissolved Solids, Total	2,618
8/20/2006	Dissolved Solids, Total	2,376
8/29/2006	Dissolved Solids, Total	1,934
9/5/2006	Dissolved Solids, Total	2,712
9/12/2006	Dissolved Solids, Total	2,630
9/19/2006	Dissolved Solids, Total	1,848
9/26/2006	Dissolved Solids, Total	1,524

10/3/2006	Dissolved Solids, Total	2,686
10/10/2006	Dissolved Solids, Total	1,782
10/19/2006	Dissolved Solids, Total	2,080
10/23/2006	Dissolved Solids, Total	1,854
10/30/2006	Dissolved Solids, Total	1,372
11/6/2006	Dissolved Solids, Total	1,510
11/13/2006	Dissolved Solids, Total	2,242
11/19/2006	Dissolved Solids, Total	1,488
11/28/2006	Dissolved Solids, Total	1,724
12/5/2006	Dissolved Solids, Total	2,018
12/13/2006	Dissolved Solids, Total	1,162
12/19/2006	Dissolved Solids, Total	1,558
12/28/2006	Dissolved Solids, Total	2,016
1/2/2007	Dissolved Solids, Total	2,070
1/9/2007	Dissolved Solids, Total	1,810
1/16/2007	Dissolved Solids, Total	796
1/23/2007	Dissolved Solids, Total	1,684
1/30/2007	Dissolved Solids, Total	1,988
2/6/2007	Dissolved Solids, Total	2,566
2/15/2007	Dissolved Solids, Total	2,054
2/20/2007	Dissolved Solids, Total	2,508
3/6/2007	Dissolved Solids, Total	1,916
3/14/2007	Dissolved Solids, Total	2,506
3/19/2007	Dissolved Solids, Total	4,018
3/26/2007	Dissolved Solids, Total	1,946
4/4/2007	Dissolved Solids, Total	2,212
4/11/2007	Dissolved Solids, Total	2,198
4/19/2007	Dissolved Solids, Total	2,100
4/25/2007	Dissolved Solids, Total	1,460
5/2/2007	Dissolved Solids, Total	1,932
5/10/2007	Dissolved Solids, Total	1,952
5/16/2007	Dissolved Solids, Total	2,152
5/22/2007	Dissolved Solids, Total	2,276
5/29/2007	Dissolved Solids, Total	2,126
6/6/2007	Dissolved Solids, Total	2,678
6/12/2007	Dissolved Solids, Total	1,956
6/19/2007	Dissolved Solids, Total	2,376
6/26/2007	Dissolved Solids, Total	1,058
7/4/2007	Dissolved Solids, Total	2,180
7/9/2007	Dissolved Solids, Total	1,294
7/17/2007	Dissolved Solids, Total	1,298
7/24/2007	Dissolved Solids, Total	1,882
8/1/2007	Dissolved Solids, Total	2,640
8/8/2007	Dissolved Solids, Total	1,850
8/14/2007	Dissolved Solids, Total	2,622
8/22/2007	Dissolved Solids, Total	2,660
8/29/2007	Dissolved Solids, Total	2,238

9/4/2007	Dissolved Solids, Total	1,760
9/11/2007	Dissolved Solids, Total	1,750
9/18/2007	Dissolved Solids, Total	1,530
9/25/2007	Dissolved Solids, Total	2,200
10/3/2007	Dissolved Solids, Total	1,850
10/10/2007	Dissolved Solids, Total	1,566
10/16/2007	Dissolved Solids, Total	1,564
10/24/2007	Dissolved Solids, Total	1,876
10/30/2007	Dissolved Solids, Total	1,926
11/7/2007	Dissolved Solids, Total	2,118
11/13/2007	Dissolved Solids, Total	2,826
11/19/2007	Dissolved Solids, Total	2,442
11/27/2007	Dissolved Solids, Total	2,350
12/5/2007	Dissolved Solids, Total	1,896
12/13/2007	Dissolved Solids, Total	1,856
12/20/2007	Dissolved Solids, Total	2,058
12/26/2007	Dissolved Solids, Total	2,094
1/3/2008	Dissolved Solids, Total	2,034
1/9/2008	Dissolved Solids, Total	2,216
1/17/2008	Dissolved Solids, Total	2,166
1/23/2008	Dissolved Solids, Total	1,684
1/30/2008	Dissolved Solids, Total	1,912
2/4/2008	Dissolved Solids, Total	1,734
2/12/2008	Dissolved Solids, Total	1,402
2/20/2008	Dissolved Solids, Total	1,672
2/26/2008	Dissolved Solids, Total	1,572
3/3/2008	Dissolved Solids, Total	2,018
3/11/2008	Dissolved Solids, Total	2,036
3/19/2008	Dissolved Solids, Total	1,696
3/26/2008	Dissolved Solids, Total	2,412
4/2/2008	Dissolved Solids, Total	802
4/9/2008	Dissolved Solids, Total	1,412
4/14/2008	Dissolved Solids, Total	1,778
4/23/2008	Dissolved Solids, Total	1,958
4/30/2008	Dissolved Solids, Total	1,970
5/14/2008	Dissolved Solids, Total	1,876
5/21/2008	Dissolved Solids, Total	1,510
5/28/2008	Dissolved Solids, Total	1,204
6/3/2008	Dissolved Solids, Total	2,252
6/10/2008	Dissolved Solids, Total	2,110
6/17/2008	Dissolved Solids, Total	1,436
6/25/2008	Dissolved Solids, Total	1,760
7/1/2008	Dissolved Solids, Total	1,352
7/8/2008	Dissolved Solids, Total	1,652
7/15/2008	Dissolved Solids, Total	2,242
7/22/2008	Dissolved Solids, Total	1,832
7/29/2008	Dissolved Solids, Total	1,870

8/6/2008	Dissolved Solids, Total	2,358
8/13/2008	Dissolved Solids, Total	1,722
8/19/2008	Dissolved Solids, Total	1,792
8/26/2008	Dissolved Solids, Total	1,944
9/3/2008	Dissolved Solids, Total	1,030
9/9/2008	Dissolved Solids, Total	1,812
9/17/2008	Dissolved Solids, Total	1,962
9/23/2008	Dissolved Solids, Total	1,834
10/1/2008	Dissolved Solids, Total	2,748
10/8/2008	Dissolved Solids, Total	1,996
10/14/2008	Dissolved Solids, Total	2,114
10/21/2008	Dissolved Solids, Total	2,374
10/29/2008	Dissolved Solids, Total	2,574
11/5/2008	Dissolved Solids, Total	2,724
11/11/2008	Dissolved Solids, Total	1,656
11/18/2008	Dissolved Solids, Total	2,056
11/24/2008	Dissolved Solids, Total	1,494
12/2/2008	Dissolved Solids, Total	2,068
12/10/2008	Dissolved Solids, Total	1,726
12/16/2008	Dissolved Solids, Total	1,478
12/22/2008	Dissolved Solids, Total	2,084
12/30/2008	Dissolved Solids, Total	1,694
1/7/2009	Dissolved Solids, Total	1,408
1/13/2009	Dissolved Solids, Total	2,034
1/22/2009	Dissolved Solids, Total	2,106
1/28/2009	Dissolved Solids, Total	2,312
2/4/2009	Dissolved Solids, Total	2,064
2/10/2009	Dissolved Solids, Total	2,196
2/17/2009	Dissolved Solids, Total	2,348
2/23/2009	Dissolved Solids, Total	2,356
3/4/2009	Dissolved Solids, Total	2,434
3/11/2009	Dissolved Solids, Total	3,074
3/19/2009	Dissolved Solids, Total	3,050
3/25/2009	Dissolved Solids, Total	2,330
3/31/2009	Dissolved Solids, Total	2,708
4/8/2009	Dissolved Solids, Total	2,606
4/16/2009	Dissolved Solids, Total	3,080
4/22/2009	Dissolved Solids, Total	2,370
4/28/2009	Dissolved Solids, Total	2,428
5/6/2009	Dissolved Solids, Total	1,696
5/14/2009	Dissolved Solids, Total	1,536
5/19/2009	Dissolved Solids, Total	1,758
5/26/2009	Dissolved Solids, Total	1,912
6/2/2009	Dissolved Solids, Total	2,566
6/9/2009	Dissolved Solids, Total	2,014
6/16/2009	Dissolved Solids, Total	2,342
6/22/2009	Dissolved Solids, Total	2,224

6/29/2009	Dissolved Solids, Total	2,386
7/7/2009	Dissolved Solids, Total	1,486
7/14/2009	Dissolved Solids, Total	2,016
7/21/2009	Dissolved Solids, Total	2,102
7/29/2009	Dissolved Solids, Total	1,442
10/27/2009	Dissolved Solids, Total	1,470
11/3/2009	Dissolved Solids, Total	1,562
11/10/2009	Dissolved Solids, Total	1,894
11/15/2009	Dissolved Solids, Total	1,596
11/17/2009	Dissolved Solids, Total	1,322
11/19/2009	Dissolved Solids, Total	1,526
11/22/2009	Dissolved Solids, Total	1,260
12/1/2009	Dissolved Solids, Total	1302
12/2/2009	Dissolved Solids, Total	1,302
12/8/2009	Dissolved Solids, Total	1488
12/9/2009	Dissolved Solids, Total	1,488
12/14/2009	Dissolved Solids, Total	1334
12/15/2009	Dissolved Solids, Total	1,334
12/21/2009	Dissolved Solids, Total	1804
12/22/2009	Dissolved Solids, Total	1,804
12/29/2009	Dissolved Solids, Total	1210
12/30/2009	Dissolved Solids, Total	1,210
1/5/2010	Dissolved Solids, Total	1208
1/6/2010	Dissolved Solids, Total	1,208
1/12/2010	Dissolved Solids, Total	1300
1/13/2010	Dissolved Solids, Total	1,300
1/20/2010	Dissolved Solids, Total	1,328
1/26/2010	Dissolved Solids, Total	1284
1/27/2010	Dissolved Solids, Total	1,284
2/2/2010	Dissolved Solids, Total	1808
2/3/2010	Dissolved Solids, Total	1,808
2/9/2010	Dissolved Solids, Total	1380
2/10/2010	Dissolved Solids, Total	1,380
2/14/2010	Dissolved Solids, Total	1526
2/15/2010	Dissolved Solids, Total	1,526
2/16/2010	Dissolved Solids, Total	1606
2/17/2010	Dissolved Solids, Total	1,606
2/18/2010	Dissolved Solids, Total	1750
2/19/2010	Dissolved Solids, Total	1,750
2/23/2010	Dissolved Solids, Total	1960
2/24/2010	Dissolved Solids, Total	1,960
3/2/2010	Dissolved Solids, Total	2028
3/3/2010	Dissolved Solids, Total	2,028
3/9/2010	Dissolved Solids, Total	2206
3/10/2010	Dissolved Solids, Total	2,206
3/14/2010	Dissolved Solids, Total	2334
3/15/2010	Dissolved Solids, Total	2,334

3/23/2010	Dissolved Solids, Total	2064
3/24/2010	Dissolved Solids, Total	2,064
3/30/2010	Dissolved Solids, Total	2572
3/31/2010	Dissolved Solids, Total	2,572
4/6/2010	Dissolved Solids, Total	2278
4/7/2010	Dissolved Solids, Total	2,278
4/11/2010	Dissolved Solids, Total	2204
4/12/2010	Dissolved Solids, Total	2,204
4/13/2010	Dissolved Solids, Total	2056
4/14/2010	Dissolved Solids, Total	2,056
4/15/2010	Dissolved Solids, Total	2094
4/16/2010	Dissolved Solids, Total	2,094
4/20/2010	Dissolved Solids, Total	2462
4/21/2010	Dissolved Solids, Total	2,462
4/27/2010	Dissolved Solids, Total	1610
4/28/2010	Dissolved Solids, Total	1,610
5/5/2010	Dissolved Solids, Total	1,906
5/12/2010	Dissolved Solids, Total	1,826
5/17/2010	Dissolved Solids, Total	1,772
5/19/2010	Dissolved Solids, Total	2,226
5/26/2010	Dissolved Solids, Total	2,040
6/2/2010	Dissolved Solids, Total	2,356
6/10/2010	Dissolved Solids, Total	1,692
6/14/2010	Dissolved Solids, Total	1,142
6/16/2010	Dissolved Solids, Total	1,832
6/18/2010	Dissolved Solids, Total	2,068
6/23/2010	Dissolved Solids, Total	2,050
6/30/2010	Dissolved Solids, Total	2,380
7/8/2010	Dissolved Solids, Total	2,038
7/12/2010	Dissolved Solids, Total	2,062
7/14/2010	Dissolved Solids, Total	1,692
7/16/2010	Dissolved Solids, Total	1,886
7/20/2010	Dissolved Solids, Total	1,948
7/28/2010	Dissolved Solids, Total	1,620
8/4/2010	Dissolved Solids, Total	2,260
8/11/2010	Dissolved Solids, Total	1,754
8/16/2010	Dissolved Solids, Total	1,696
8/17/2010	Dissolved Solids, Total	2,058
8/18/2010	Dissolved Solids, Total	2,132
8/25/2010	Dissolved Solids, Total	1,914
9/1/2010	Dissolved Solids, Total	1,732
9/8/2010	Dissolved Solids, Total	1,948
9/15/2010	Dissolved Solids, Total	2,040
9/20/2010	Dissolved Solids, Total	1,808
9/22/2010	Dissolved Solids, Total	1,812
9/24/2010	Dissolved Solids, Total	2,298
9/29/2010	Dissolved Solids, Total	2,120

10/6/2010	Dissolved Solids, Total	2132
10/13/2010	Dissolved Solids, Total	1948
10/21/2010	Dissolved Solids, Total	1720
10/27/2010	Dissolved Solids, Total	2062
11/3/2010	Dissolved Solids, Total	1594
11/10/2010	Dissolved Solids, Total	2198
11/16/2010	Dissolved Solids, Total	2238
11/17/2010	Dissolved Solids, Total	1816
11/22/2010	Dissolved Solids, Total	2244
12/1/2010	Dissolved Solids, Total	542
12/8/2010	Dissolved Solids, Total	1802
12/15/2010	Dissolved Solids, Total	1862
12/23/2010	Dissolved Solids, Total	1980
12/29/2010	Dissolved Solids, Total	1658
1/5/2011	Dissolved Solids, Total	1716
1/12/2011	Dissolved Solids, Total	1466
1/19/2011	Dissolved Solids, Total	1134
1/26/2011	Dissolved Solids, Total	1536
2/2/2011	Dissolved Solids, Total	1912
2/9/2011	Dissolved Solids, Total	1608
2/16/2011	Dissolved Solids, Total	1632
2/23/2011	Dissolved Solids, Total	1790
3/2/2011	Dissolved Solids, Total	1592
3/9/2011	Dissolved Solids, Total	2142
3/16/2011	Dissolved Solids, Total	1822
3/22/11	Dissolved Solids, Total	2140
3/30/11	Dissolved Solids, Total	2116
4/6/11	Dissolved Solids, Total	1606
4/13/11	Dissolved Solids, Total	1906
4/20/11	Dissolved Solids, Total	1840
4/27/11	Dissolved Solids, Total	1238
5/4/11	Dissolved Solids, Total	1414
5/11/11	Dissolved Solids, Total	1680
5/18/11	Dissolved Solids, Total	1946
5/25/11	Dissolved Solids, Total	1714
6/1/11	Dissolved Solids, Total	1828
6/8/11	Dissolved Solids, Total	1834
6/15/11	Dissolved Solids, Total	1980
6/22/11	Dissolved Solids, Total	2212
6/29/11	Dissolved Solids, Total	2106
7/6/11	Dissolved Solids, Total	2072
7/13/11	Dissolved Solids, Total	1924
7/20/11	Dissolved Solids, Total	2356
7/27/11	Dissolved Solids, Total	1362
8/3/11	Dissolved Solids, Total	1976
8/10/11	Dissolved Solids, Total	2006
8/17/11	Dissolved Solids, Total	1824

8/24/11	Dissolved Solids, Total	1760
8/31/11	Dissolved Solids, Total	1860
9/7/11	Dissolved Solids, Total	1812
9/14/11	Dissolved Solids, Total	1998
9/22/11	Dissolved Solids, Total	1800
9/28/11	Dissolved Solids, Total	1976
10/5/11	Dissolved Solids, Total	2320
10/12/11	Dissolved Solids, Total	1874
10/19/11	Dissolved Solids, Total	1784
10/26/11	Dissolved Solids, Total	1944
11/2/11	Dissolved Solids, Total	1848
11/9/11	Dissolved Solids, Total	1882
11/16/11	Dissolved Solids, Total	2334
11/22/11	Dissolved Solids, Total	2394
11/30/11	Dissolved Solids, Total	1726
12/7/11	Dissolved Solids, Total	1530
12/14/11	Dissolved Solids, Total	2438
12/21/11	Dissolved Solids, Total	1552
12/28/11	Dissolved Solids, Total	1448
1/4/12	Dissolved Solids, Total	1988
1/11/12	Dissolved Solids, Total	1466
1/18/12	Dissolved Solids, Total	1668
1/25/12	Dissolved Solids, Total	1462
2/1/12	Dissolved Solids, Total	1776
2/8/12	Dissolved Solids, Total	2342
2/15/12	Dissolved Solids, Total	1874
2/21/12	Dissolved Solids, Total	2072
2/28/12	Dissolved Solids, Total	2830
3/6/12	Dissolved Solids, Total	2382
3/13/12	Dissolved Solids, Total	1874
3/22/12	Dissolved Solids, Total	1096
3/26/12	Dissolved Solids, Total	1658
4/2/12	Dissolved Solids, Total	1278
4/10/12	Dissolved Solids, Total	1906
4/17/12	Dissolved Solids, Total	1674
4/24/12	Dissolved Solids, Total	1620

	Stats
Count	408
Min	318
Max	4,018
Median	1,972
Average	1,988
StDev	457.6995707
90th Percentile	2566
95th Percentile	2726
99th Percentile	3128

Lion Oil Outfall 001 Effluent Data POR January 2005 - April 2012

Date Collected	Sulfate
1/6/2005	890
1/9/2005	920
1/18/2005	728
1/25/2005	746
2/2/2005	612
2/7/2005	635
2/13/2005	897
2/20/2005	1,273
3/1/2005	928
3/8/2005	1,079
3/14/2005	533
3/23/2005	804
3/28/2005	1,022
4/4/2005	979
4/11/2005	743
4/19/2005	839
4/26/2005	696
5/3/2005	909
5/10/2005	786
5/17/2005	720
5/24/2005	1,056
6/2/2005	699
6/7/2005	772
6/14/2005	467
6/21/2005	919
6/27/2005	999
7/5/2005	1,174
7/11/2005	1,406
7/21/2005	826
7/26/2005	1,111
8/3/2005	1,212
8/7/2005	1,116
8/16/2005	1,046
8/23/2005	709
8/29/2005	663
9/6/2005	1,053
9/12/2005	1,378
9/22/2005	1,140
9/27/2005	593
10/4/2005	758
10/10/2005	981
10/18/2005	1,062
10/24/2005	1,006

11/2/2005	1,013
11/8/2005	1,304
11/13/2005	1,144
11/21/2005	1,130
12/4/2005	1,117
12/13/2005	1,058
12/19/2005	1,234
12/27/2005	1,306
1/4/2006	1,722
1/11/2006	1,856
1/16/2006	1,762
1/25/2006	2,474
1/30/2006	1,061
2/5/2006	1,505
2/15/2006	1,245
2/22/2006	1,215
3/2/2006	1,886
3/7/2006	1,375
3/13/2006	1,922
3/22/2006	869
3/28/2006	862
4/3/2006	1,100
4/11/2006	1,035
4/19/2006	1,488
4/23/2006	1,230
5/3/2006	932
5/9/2006	1,048
5/16/2006	1,038
5/23/2006	945
5/31/2006	1,065
6/6/2006	1,238
6/13/2006	1,145
6/19/2006	1,096
6/27/2006	1,168
7/4/2006	1,127
7/10/2006	1,092
7/18/2006	1,157
7/25/2006	1,264
8/1/2006	969
8/9/2006	831
8/14/2006	827
8/22/2006	1,183
8/29/2006	751
9/5/2006	953
9/11/2006	1,295
9/19/2006	717
9/25/2006	1,059

10/3/2006	1,149
10/12/2006	1,100
10/17/2006	739
10/22/2006	1,136
10/29/2006	852
11/9/2006	847
11/13/2006	991
11/19/2006	910
11/26/2006	1,032
12/3/2006	830
12/12/2006	690
12/20/2006	795
12/27/2006	1,015
1/2/2007	813
1/7/2007	667
1/16/2007	579
1/22/2007	757
1/30/2007	807
2/4/2007	992
2/13/2007	741
2/19/2007	1,041
3/8/2007	1,409
3/14/2007	1,201
3/19/2007	1,613
3/26/2007	1,366
4/4/2007	858
4/12/2007	825
4/18/2007	737
4/24/2007	1,031
5/1/2007	852
5/6/2007	837
5/14/2007	910
5/21/2007	1,211
5/28/2007	1,324
6/5/2007	1,077
6/10/2007	1,089
6/18/2007	1,213
6/24/2007	470
7/2/2007	957
7/9/2007	634
7/15/2007	573
7/23/2007	801
7/29/2007	1,024
8/7/2007	908
8/14/2007	1,129
8/21/2007	895
8/28/2007	922

9/4/2007	870
9/13/2007	558
9/17/2007	706
9/24/2007	1,033
10/2/2007	829
10/9/2007	726
10/16/2007	653
10/22/2007	819
10/29/2007	1,034
11/6/2007	1,153
11/11/2007	1,171
11/18/2007	996
11/27/2007	1,113
12/4/2007	1,266
12/11/2007	1,295
12/19/2007	1,073
12/26/2007	877
1/2/2008	905
1/8/2008	1,068
1/15/2008	1,255
1/22/2008	948
1/29/2008	831
2/5/2008	726
2/12/2008	844
2/21/2008	651
2/26/2008	927
3/4/2008	814
3/11/2008	745
3/18/2008	696
3/25/2008	902
4/1/2008	532
4/8/2008	461
4/14/2008	705
4/23/2008	871
4/28/2008	739
5/7/2008	654
5/13/2008	545
5/20/2008	632
5/27/2008	578
6/1/2008	728
6/9/2008	815
6/15/2008	588
6/24/2008	651
7/1/2008	773
7/8/2008	779
7/15/2008	1,011
7/22/2008	1,056

7/29/2008	799
8/7/2008	1,009
8/12/2008	750
8/19/2008	780
8/26/2008	938
9/2/2008	835
9/8/2008	839
9/16/2008	874
9/23/2008	880
9/30/2008	1,440
10/7/2008	1,492
10/14/2008	1,067
10/20/2008	1,232
10/28/2008	1,255
11/4/2008	1,151
11/11/2008	835
11/20/2008	1,097
11/23/2008	802
12/2/2008	871
12/9/2008	584
12/16/2008	856
12/22/2008	793
12/29/2008	768
1/6/2009	678
1/13/2009	920
1/20/2009	1,119
1/27/2009	1,066
2/3/2009	1,212
2/10/2009	1,052
2/17/2009	1,085
2/23/2009	1,166
3/3/2009	1,442
3/10/2009	1,370
3/16/2009	1,136
3/24/2009	1,100
3/31/2009	1,282
4/9/2009	1,260
4/14/2009	1,029
4/20/2009	859
4/28/2009	976
5/5/2009	648
5/12/2009	597
5/18/2009	774
5/27/2009	1,314
6/2/2009	1,179
6/8/2009	819
6/15/2009	903

6/23/2009	1,112
6/29/2009	1,109
7/7/2009	740
7/14/2009	920
7/21/2009	1,060
7/28/2009	898
10/27/2009	658
11/3/2009	586
11/10/2009	800
11/15/2009	934
11/17/2009	529
11/19/2009	628
11/22/2009	675
12/1/2009	496
12/2/2009	496
12/7/2009	655
12/8/2009	654.9
12/13/2009	500
12/14/2009	500.3
12/22/2009	874
12/23/2009	873.5
12/29/2009	461
12/30/2009	461.2
1/5/2010	546
1/6/2010	546.4
1/12/2010	520
1/13/2010	519.9
1/18/2010	457
1/19/2010	457.4
1/25/2010	494
1/26/2010	493.7
2/2/2010	682
2/3/2010	681.5
2/9/2010	653
2/10/2010	652.6
2/14/2010	656
2/15/2010	656.2
2/16/2010	661
2/17/2010	660.9
2/18/2010	664
2/19/2010	664
2/23/2010	796
2/24/2010	795.7
3/2/2010	702
3/3/2010	702
3/9/2010	874
3/10/2010	874.2

3/16/2010	887
3/17/2010	886.8
3/23/2010	791
3/24/2010	790.5
3/30/2010	829
3/31/2010	829.4
4/6/2010	796
4/7/2010	795.9
4/11/2010	759
4/12/2010	758.7
4/13/2010	847
4/14/2010	846.9
4/15/2010	863
4/16/2010	862.5
4/20/2010	1,059
4/21/2010	1058.7
4/27/2010	551
4/28/2010	551.4
5/5/2010	764.7
5/12/2010	739
5/17/2010	640.8
5/19/2010	907
5/26/2010	846.9
6/2/2010	935.4
6/9/2010	854.4
6/14/2010	594.8
6/16/2010	702
6/18/2010	842.3
6/23/2010	893.1
6/30/2010	1021.9
7/8/2010	950.2
7/12/2010	931.6
7/14/2010	850.3
7/16/2010	766.9
7/20/2010	1085.6
7/27/2010	933
8/3/2010	1020
8/12/2010	952
8/16/2010	1590
8/18/2010	1670
8/19/2010	1150
8/24/2010	772
9/1/2010	617
9/8/2010	1060.4
9/16/2010	960.8
9/20/2010	814.8
9/22/2010	808.5

9/24/2010	1096.1
9/29/2010	849.9
10/6/2010	935.7
10/13/2010	873.6
10/20/2010	915.2
10/27/2010	867.2
11/3/2010	693.5
11/10/2010	910.2
11/17/2010	849.8
11/22/2010	841.2
12/1/2010	146.9
12/8/2010	694.8
12/15/2010	707.7
12/22/2010	813.5
12/29/2010	571.9
1/5/2011	685
1/12/2011	490.6
1/19/2011	388.8
1/26/2011	436.9
2/2/2011	597.7
2/9/2011	597.6
2/16/2011	606.6
2/23/2011	710.5
3/2/2011	626.9
3/9/2011	796.7
3/16/2011	699.1
3/22/11	821.1
3/30/11	874.9
4/6/11	646.6
4/13/11	780.3
4/20/11	778.9
4/27/11	542.9
5/4/11	507.6
5/11/11	711.5
5/18/11	811.4
5/25/11	728.9
6/1/11	750.5
6/8/11	976.4
6/15/11	997.2
6/22/11	984.9
6/29/11	1020
7/6/11	673.6
7/13/11	1170.2
7/20/11	1167.3
7/27/11	740.1
8/3/11	384.8
8/10/11	794

8/17/11	815.2
8/24/11	718.6
8/31/11	690.1
9/7/11	756
9/14/11	738.1
9/22/11	732.4
9/28/11	781.3
10/5/11	957.7
10/12/11	750.1
10/26/11	749.5
11/2/11	680.2
11/9/11	646.2
11/16/11	594.1
11/22/11	823.7
11/30/11	1110.6
12/7/11	493.8
12/14/11	504.9
12/21/11	911.5
12/28/11	674.3
1/4/12	726.5
1/11/12	680.8
1/18/12	486.5
1/25/12	565.7
2/1/12	659.9
2/8/12	593.6
2/15/12	786.9
2/21/12	661.9
2/28/12	898.7
3/6/12	742
3/13/12	541
3/22/12	875
3/26/12	517
4/2/12	777
4/10/12	628
4/17/12	476.8
4/24/12	491.7

	Stats
Count	408
Min	147
Max	2,474
Median	847
Average	884
St Dev	272.241914
90th	1211.5
95th	1319
99th	1742

Lion Oil Outfall 001 Effluent Data POR February 2008 - April 2012

Date Collected	Parameter Name	Concentration (mg/l)
2/27/2008	Chlorides	327.7
3/5/2008	Chlorides	433.1
3/12/2008	Chlorides	312.2
3/27/2008	Chlorides	356.7
4/3/2008	Chlorides	168.5
4/10/2008	Chlorides	163.6
4/15/2008	Chlorides	277.7
4/24/2008	Chlorides	195.8
5/1/2008	Chlorides	284.4
5/8/2008	Chlorides	262.8
5/15/2008	Chlorides	183.4
5/29/2008	Chlorides	628.7
6/4/2008	Chlorides	408.2
6/13/2008	Chlorides	186.4
7/2/2008	Chlorides	205.7
7/9/2008	Chlorides	263.2
7/16/2008	Chlorides	178.8
7/23/2008	Chlorides	207.1
7/30/2008	Chlorides	619.4
8/7/2008	Chlorides	249.5
8/14/2008	Chlorides	48.5
8/20/2008	Chlorides	196.9
8/27/2008	Chlorides	99.6
9/4/2008	Chlorides	67.3
9/10/2008	Chlorides	225.2
9/18/2008	Chlorides	136.8
9/24/2008	Chlorides	94.3
10/2/2008	Chlorides	171
10/9/2008	Chlorides	152.5
10/15/2008	Chlorides	163.4
10/22/2008	Chlorides	168.5
10/30/2008	Chlorides	240.2
11/6/2008	Chlorides	309.3
11/13/2008	Chlorides	122.9
11/24/2008	Chlorides	148.8
12/3/2008	Chlorides	311.4
12/11/2008	Chlorides	300.7
12/17/2008	Chlorides	263.3
12/23/2008	Chlorides	514.8

12/30/2008	Chlorides	1000.9
1/8/2009	Chlorides	643.5
1/14/2009	Chlorides	275.2
1/21/2009	Chlorides	332.5
2/6/2009	Chlorides	167.6
2/11/2009	Chlorides	148.6
2/18/2009	Chlorides	1247
2/24/2009	Chlorides	226
3/5/2009	Chlorides	244
3/11/2009	Chlorides	416.9
3/17/2009	Chlorides	313.3
3/26/2009	Chlorides	332.9
4/1/2009	Chlorides	298.6
4/10/2009	Chlorides	342.1
4/15/2009	Chlorides	273.7
4/21/2009	Chlorides	310.3
4/29/2009	Chlorides	366.2
5/6/2009	Chlorides	124.9
5/13/2009	Chlorides	106.2
5/19/2009	Chlorides	281.9
5/27/2009	Chlorides	280.1
6/3/2009	Chlorides	256.9
6/9/2009	Chlorides	134.6
6/16/2009	Chlorides	373.5
6/25/2009	Chlorides	245.3
6/30/2009	Chlorides	200.4
7/8/2009	Chlorides	161.5
7/14/2009	Chlorides	208.6
7/22/2009	Chlorides	144.8
7/29/2009	Chlorides	104.2
10/28/2009	Chlorides	176.8
11/4/2009	Chlorides	307
11/11/2009	Chlorides	350.6
11/16/2009	Chlorides	178.9
11/18/2009	Chlorides	150.1
11/20/2009	Chlorides	215.4
11/23/2009	Chlorides	233.2
12/2/2009	Chlorides	173.3
12/9/2009	Chlorides	219.5
12/15/09	Chlorides	227
12/16/09	Chlorides	124.7
12/17/09	Chlorides	60.5
12/22/09	Chlorides	209.7
12/30/09	Chlorides	186.2

01/06/10	Chlorides	214.2
01/13/10	Chlorides	175
01/20/10	Chlorides	178.9
01/27/10	Chlorides	241.9
02/03/10	Chlorides	276.8
02/10/10	Chlorides	137.9
02/15/10	Chlorides	181
02/17/10	Chlorides	231.3
02/19/10	Chlorides	299.3
02/24/10	Chlorides	250.3
03/03/10	Chlorides	443.4
03/10/10	Chlorides	378.2
03/17/10	Chlorides	284.4
03/24/10	Chlorides	363.6
03/31/10	Chlorides	470.4
04/07/10	Chlorides	451.3
04/09/10	Chlorides	18.5
04/09/10	Chlorides	278.7
04/09/10	Chlorides	3091.3
04/12/10	Chlorides	296.3
04/14/10	Chlorides	324.4
04/16/10	Chlorides	288.5
04/21/10	Chlorides	340.3
04/28/10	Chlorides	271.5
05/05/10	Chlorides	285.5
05/12/10	Chlorides	283.5
05/17/10	Chlorides	346
05/19/10	Chlorides	348.5

	Stats
Count	111
Min	19
Max	3,091
Median	250
Average	295
StDev	313.5599722
90th Percentile	412.55
95th Percentile	492.6
99th Percentile	1123.95

Nonparametric ranks

90th:	100.8
95th:	106.4
99th:	110.88

Date Collected	Outfall	Parameter Name	Concentration (ug/L)
1/4/2005	1	Total Selenium	12
2/1/2005	1	Total Selenium	12.5
3/1/2005	1	Total Selenium	9.99
3/28/2005	1	Total Selenium	12.4
4/5/2005	1	Total Selenium	25.1
5/3/2005	1	Total Selenium	15.3
6/6/2005	1	Total Selenium	23.5
7/4/2005	1	Total Selenium	37.1
8/1/2005	1	Total Selenium	21.3
9/5/2005	1	Total Selenium	18.2
10/3/2005	1	Total Selenium	15.5
11/7/2005	1	Total Selenium	10.9
12/5/2005	1	Total Selenium	11.2
1/2/2006	1	Total Selenium	9.51
2/6/2006	1	Total Selenium	9.55
3/6/2006	1	Total Selenium	15.2
4/3/2006	1	Total Selenium	14.8
5/1/2006	1	Total Selenium	17
6/5/2006	1	Total Selenium	39.2
7/10/2006	1	Total Selenium	20.2
8/7/2006	1	Total Selenium	28.6
9/4/2006	1	Total Selenium	34.1
10/2/2006	1	Total Selenium	27.7
11/6/2006	1	Total Selenium	20.8
12/4/2006	1	Total Selenium	22.4
1/1/2007	1	Total Selenium	18.8
2/5/2007	1	Total Selenium	21.4
3/5/2007	1	Total Selenium	32.5
3/12/2007	1	Total Selenium	38.9
3/19/2007	1	Total Selenium	29.7
3/26/2007	1	Total Selenium	36.4
4/2/2007	1	Total Selenium	33.1
4/9/2007	1	Total Selenium	30.2
4/16/2007	1	Total Selenium	25.4
4/23/2007	1	Total Selenium	28.3
4/29/2007	1	Total Selenium	28.2
5/7/2007	1	Total Selenium	28.3
6/4/2007	1	Total Selenium	23.4
7/2/2007	1	Total Selenium	26.5
8/6/2007	1	Total Selenium	12.6
9/3/2007	1	Total Selenium	20.9

10/1/2007	1	Total Selenium	17.4
11/5/2007	1	Total Selenium	24.2
12/3/2007	1	Total Selenium	20.9
1/1/2008	1	Total Selenium	20.7
2/4/2008	1	Total Selenium	0
3/3/2008	1	Total Selenium	22.3
4/7/2008	1	Total Selenium	12.5
5/5/2008	1	Total Selenium	20.6
6/2/2008	1	Total Selenium	12.8
7/7/2008	1	Total Selenium	24.6
8/4/2008	1	Total Selenium	17.6
9/1/2008	1	Total Selenium	9.72
10/6/2008	1	Total Selenium	16.5
11/3/2008	1	Total Selenium	17.4
12/1/2008	1	Total Selenium	20.3
1/5/2009	1	Total Selenium	18.8
2/2/2009	1	Total Selenium	32.1
3/2/2009	1	Total Selenium	34.4
4/6/2009	1	Total Selenium	26.3
5/4/2009	1	Total Selenium	30.9
6/1/2009	1	Total Selenium	19.6
7/6/2009	1	Total Selenium	32.1
11/5/2009	1	Total Selenium	10.2
12/7/2009	1	Total Selenium	25
1/5/2010	1	Total Selenium	48
2/2/2010	1	Total Selenium	80.6
3/2/2010	1	Total Selenium	42.3
4/6/2010	1	Total Selenium	34
5/4/2010	1	Total Selenium	18
6/8/2010	1	Total Selenium	35
7/6/2010	1	Total Selenium	21
8/3/2010	1	Total Selenium	23
9/7/2010	1	Total Selenium	16.4
10/5/2010	1	Total Selenium	20.5
11/2/2010	1	Total Selenium	16.2
12/7/2010	1	Total Selenium	8.42
1/4/2011	1	Total Selenium	17.1
2/8/2011	1	Total Selenium	10.8
3/8/2011	1	Total Selenium	18.3
4/5/11	1	Total Selenium	18
5/3/11	1	Total Selenium	9.4
6/7/11	1	Total Selenium	12.4
7/5/11	1	Total Selenium	37.9
8/2/11	1	Total Selenium	33.6

9/6/11	1	Total Selenium	40
10/4/11	1	Total Selenium	37.2
11/8/11	1	Total Selenium	25.8
12/6/11	1	Total Selenium	14.4
1/3/12	1	Total Selenium	33.7
2/7/12	1	Total Selenium	23.5
3/5/2012	1	Total Selenium	21.5
4/2/2012	1	Total Selenium	21

		STATS
Count		94
Min		0.0
Max		80.6
Median		39.3
Average		39.5
StDev		8
90th Percentile		34.1
95th Percentile		37.55
99th Percentile		45.15

Nonparametric ranks:

90th:	100.8
95th:	106.4
99th:	110.88