Gepford, Heather

From: Grzeck, Lee [Lee.Grzeck@pgnmail.com]
Sent: Wednesday, May 21, 2008 3:22 PM
To: Heather Gepford; Austin, Joe; George Kuzo; England, Louise; Kemp, Daniel; dale.dusenbury@ncmail.net
Subject: Brunswick Data/Slides for Thursday Conference Call
Attachments: Storm Drain Collection Basin and Storm Drain Stabilization.pdf; Sampling Locations data updated 5-19-08.pdf; Updated 5-19-08 Well pictures with data and graphs.pdf

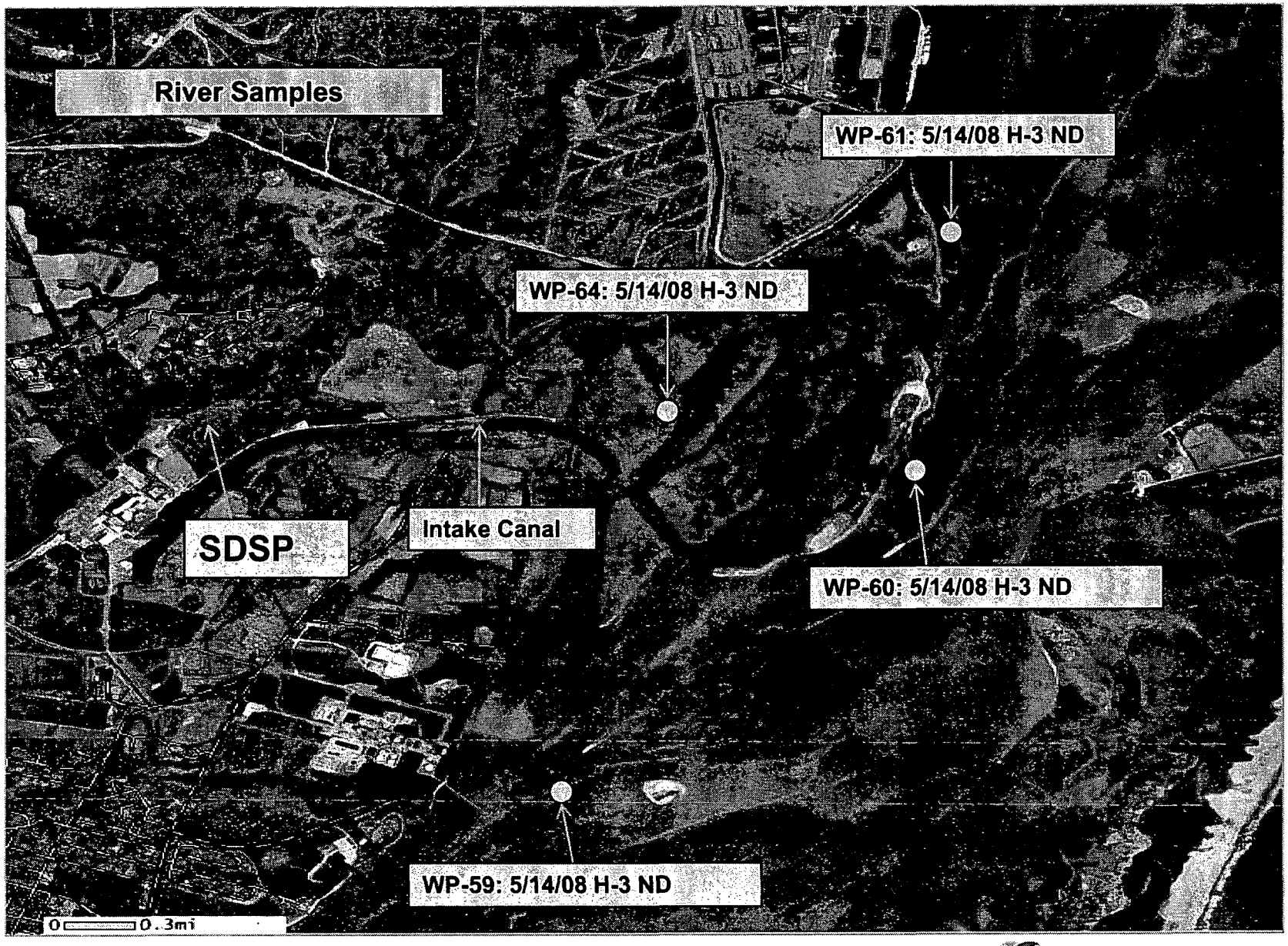
Lee Grzeck
Licensing and Regulatory Programs
Brunswick Nuclear Plant
Progress Energy Carolinas
910-457-2487 Work
910-412-0052 Pager

J-86

Marsh and River Tritium Sampling Locations

Updated 5/19/08

Progress Energy



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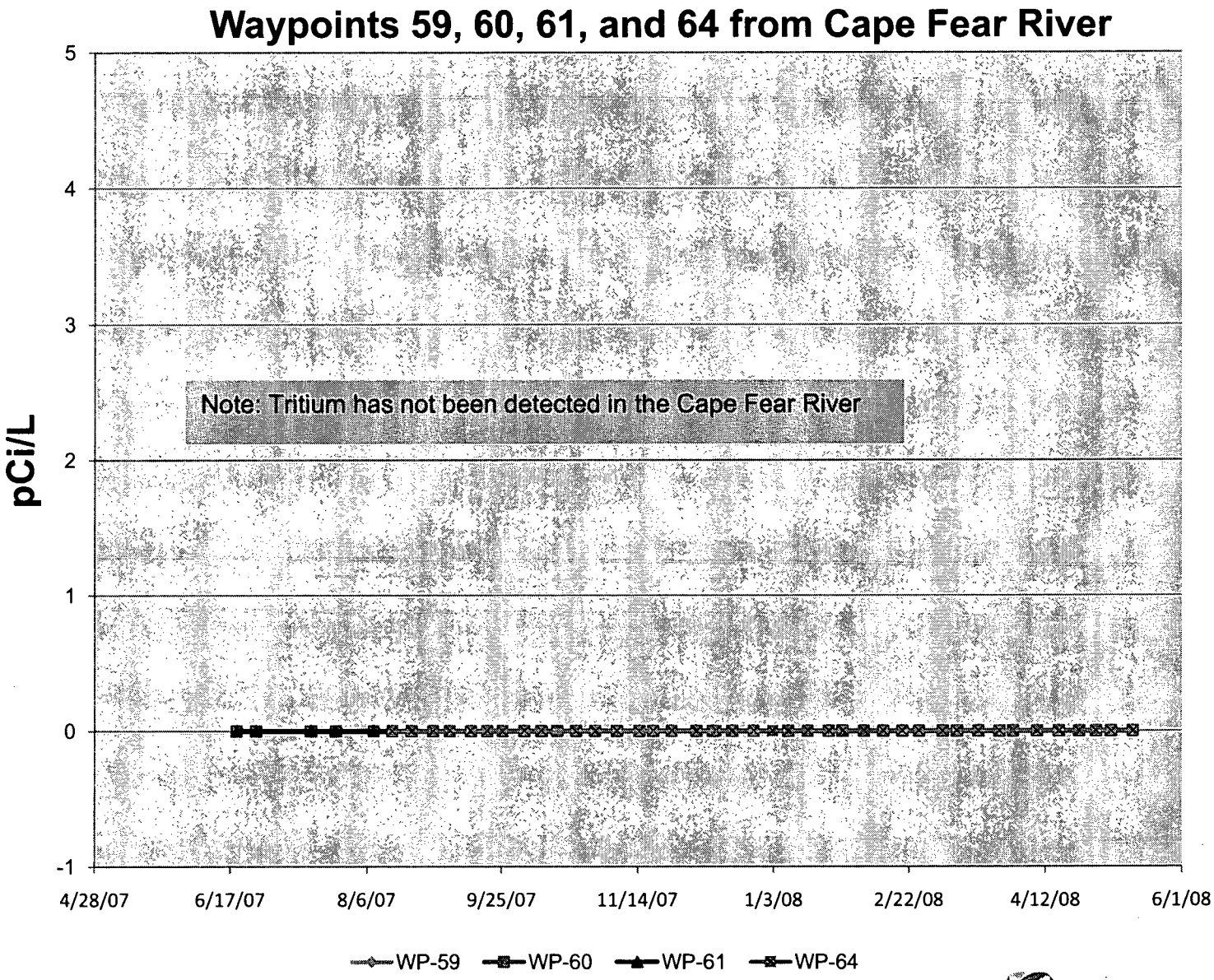

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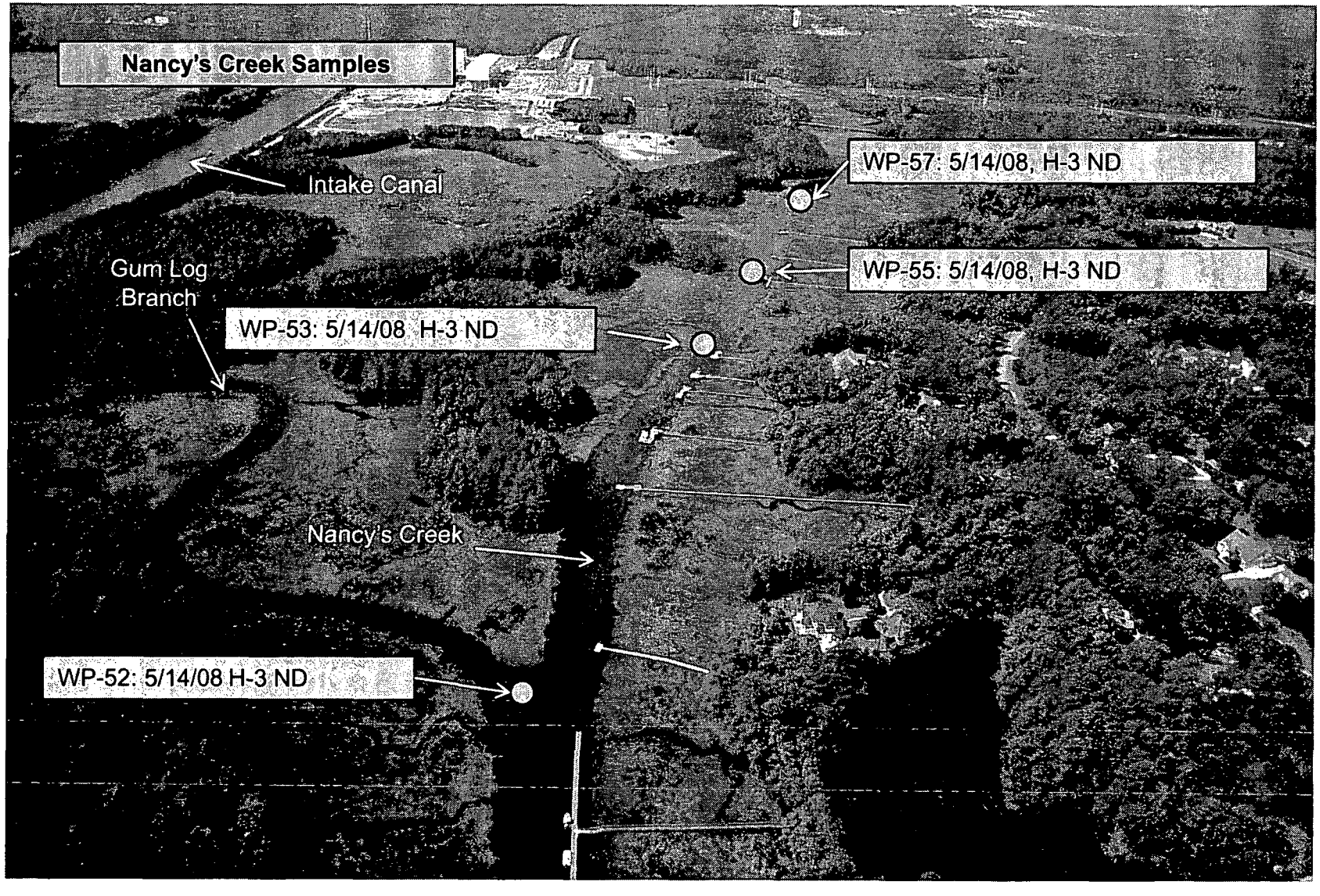

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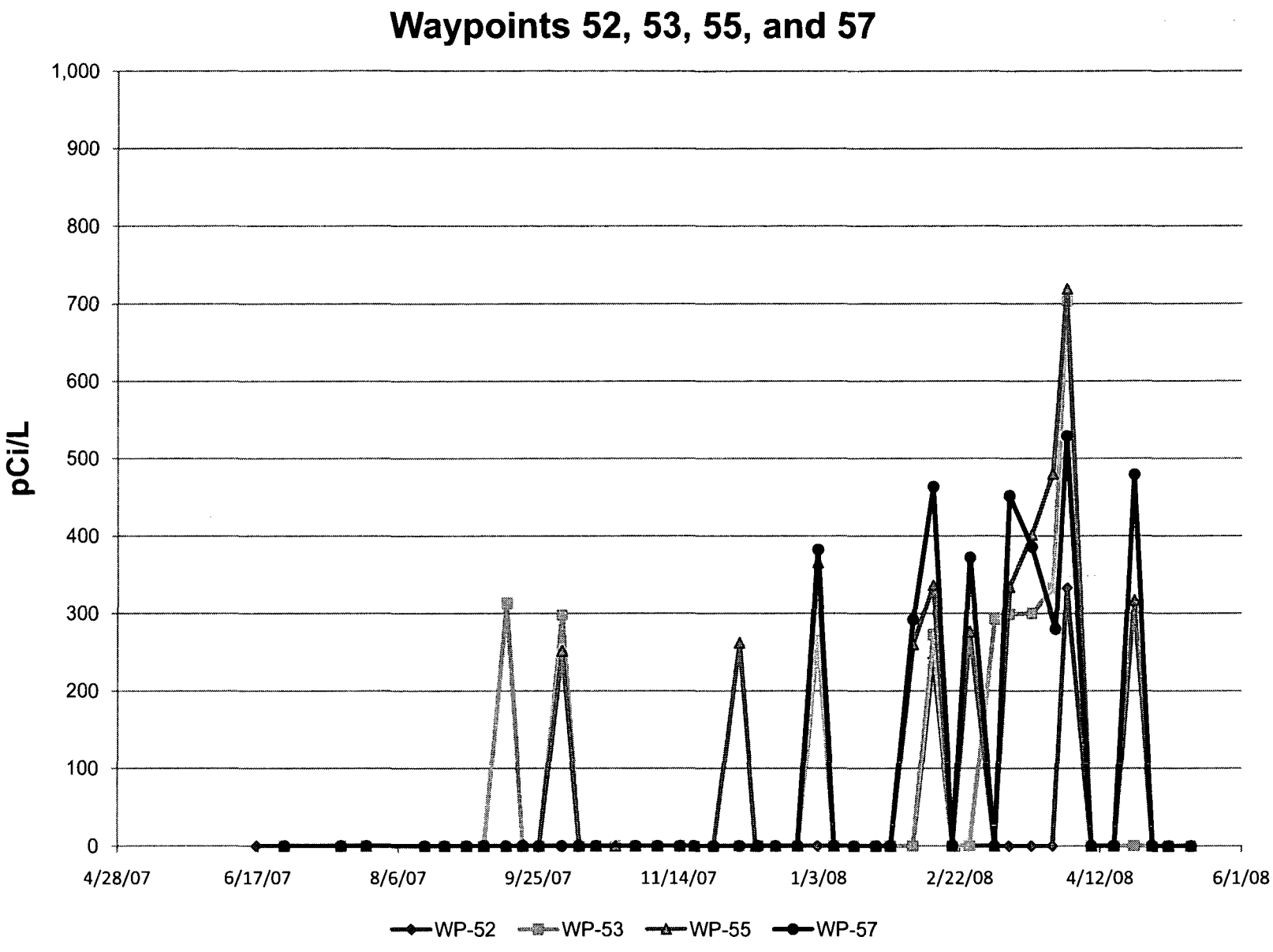

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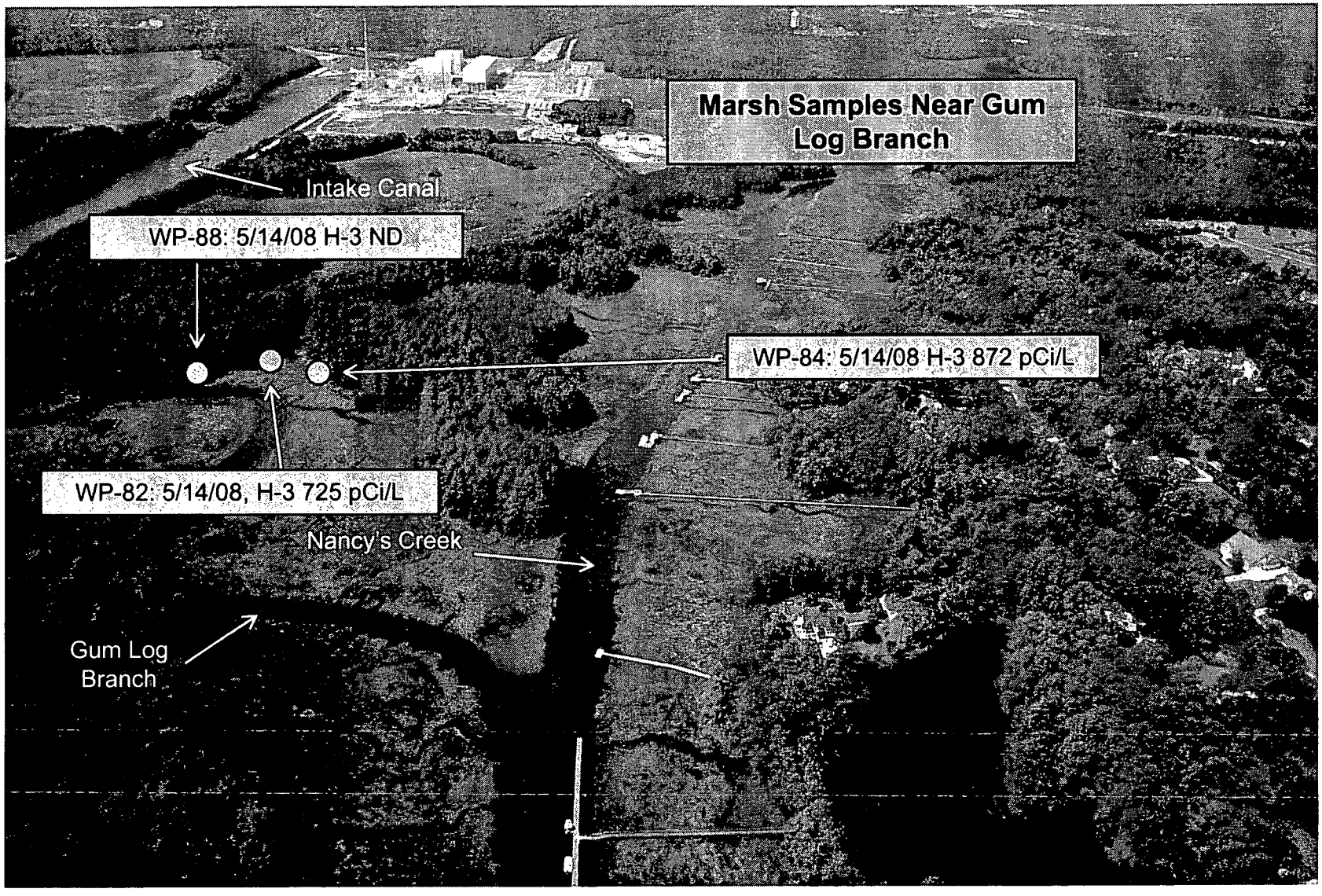
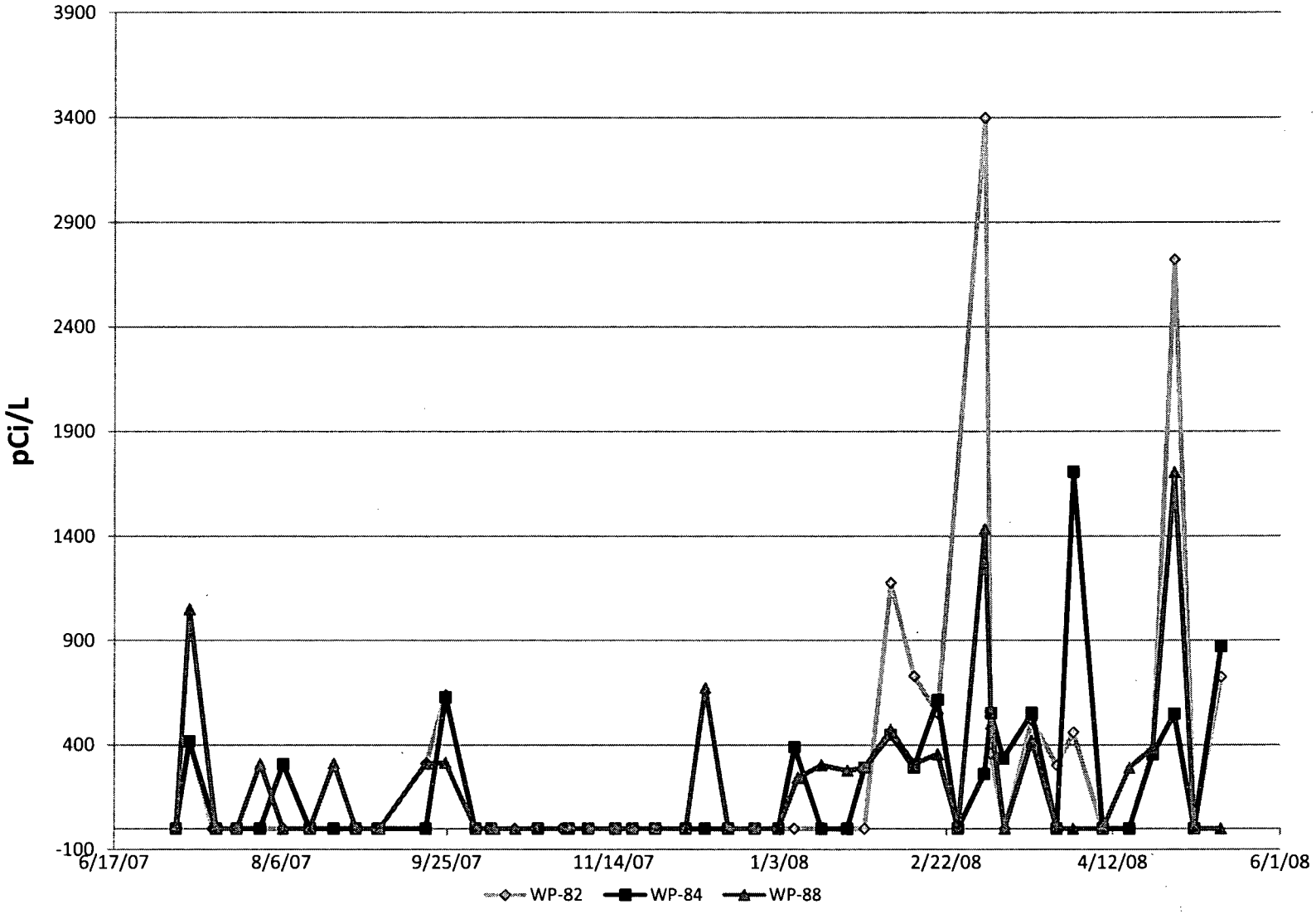


Progress Energy

Waypoints 82, 84, and 88 in Gum Log Branch Marsh



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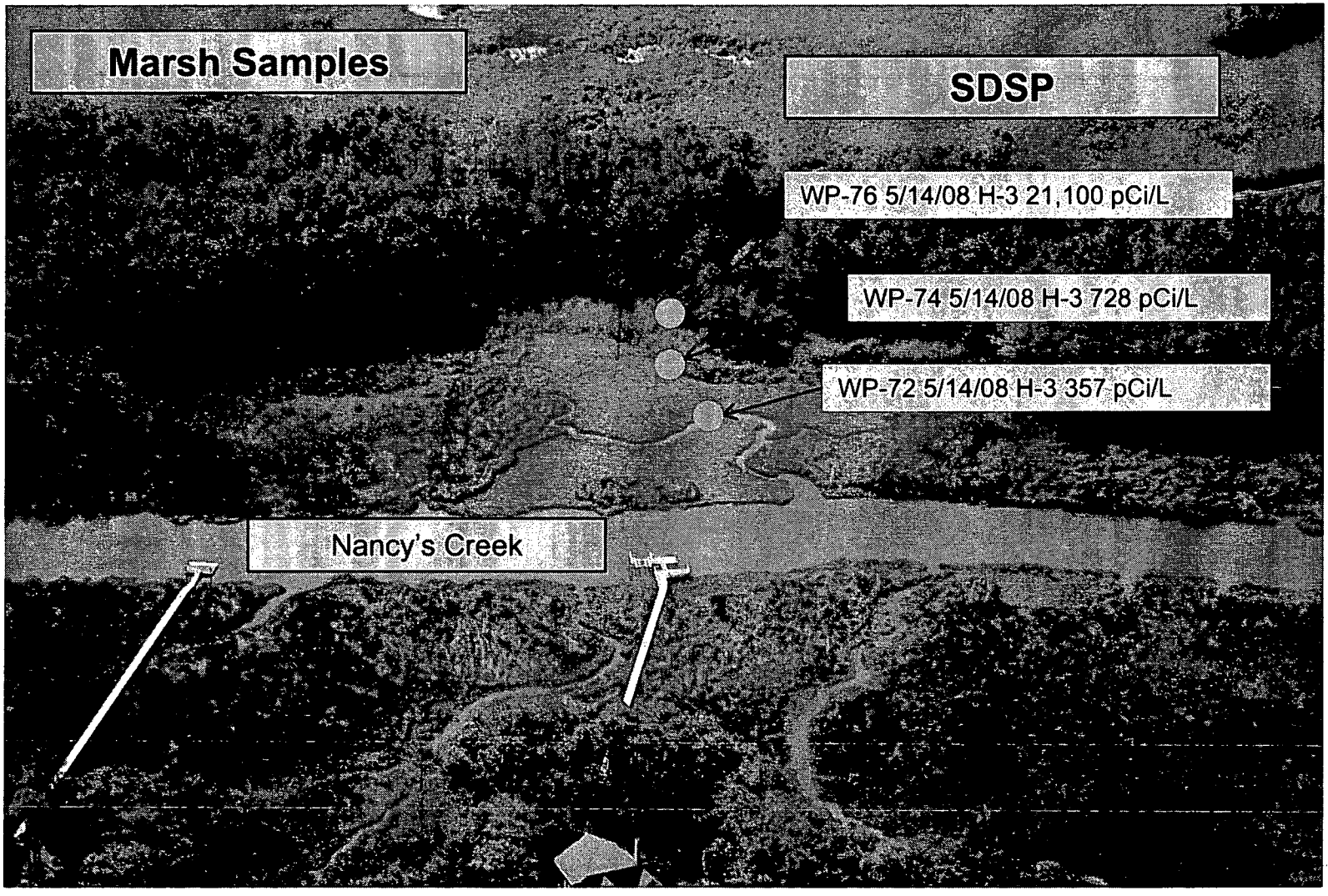

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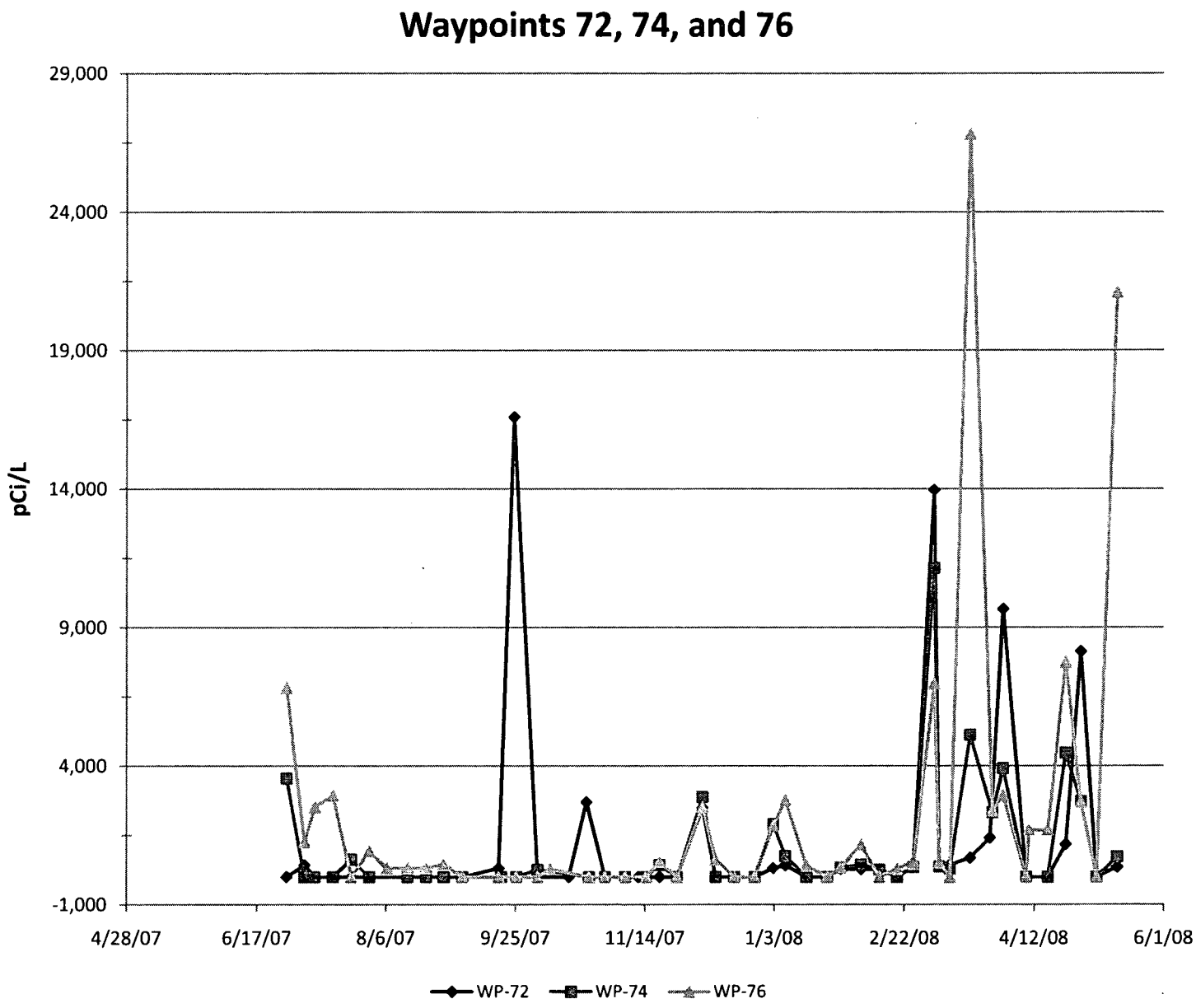

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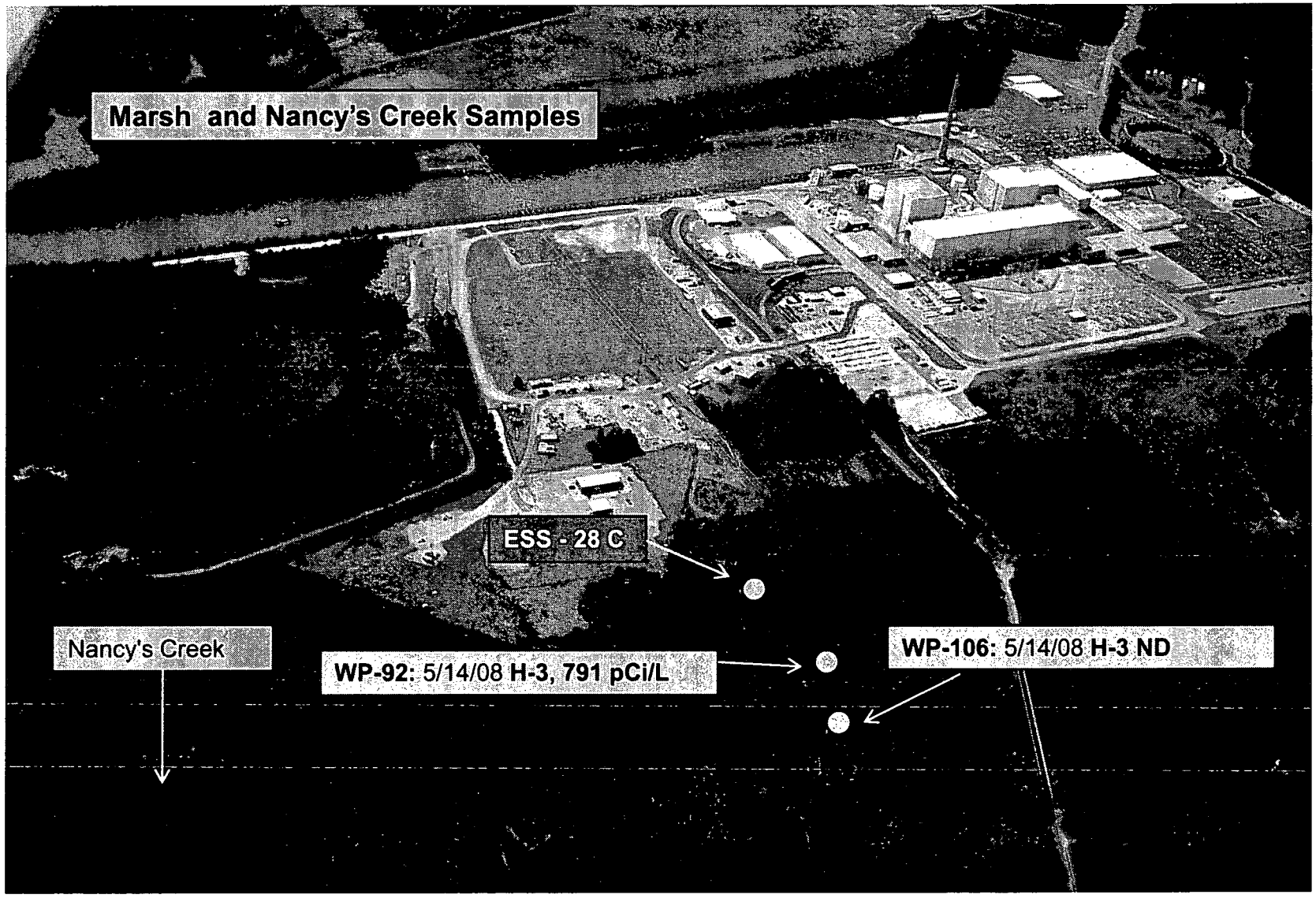
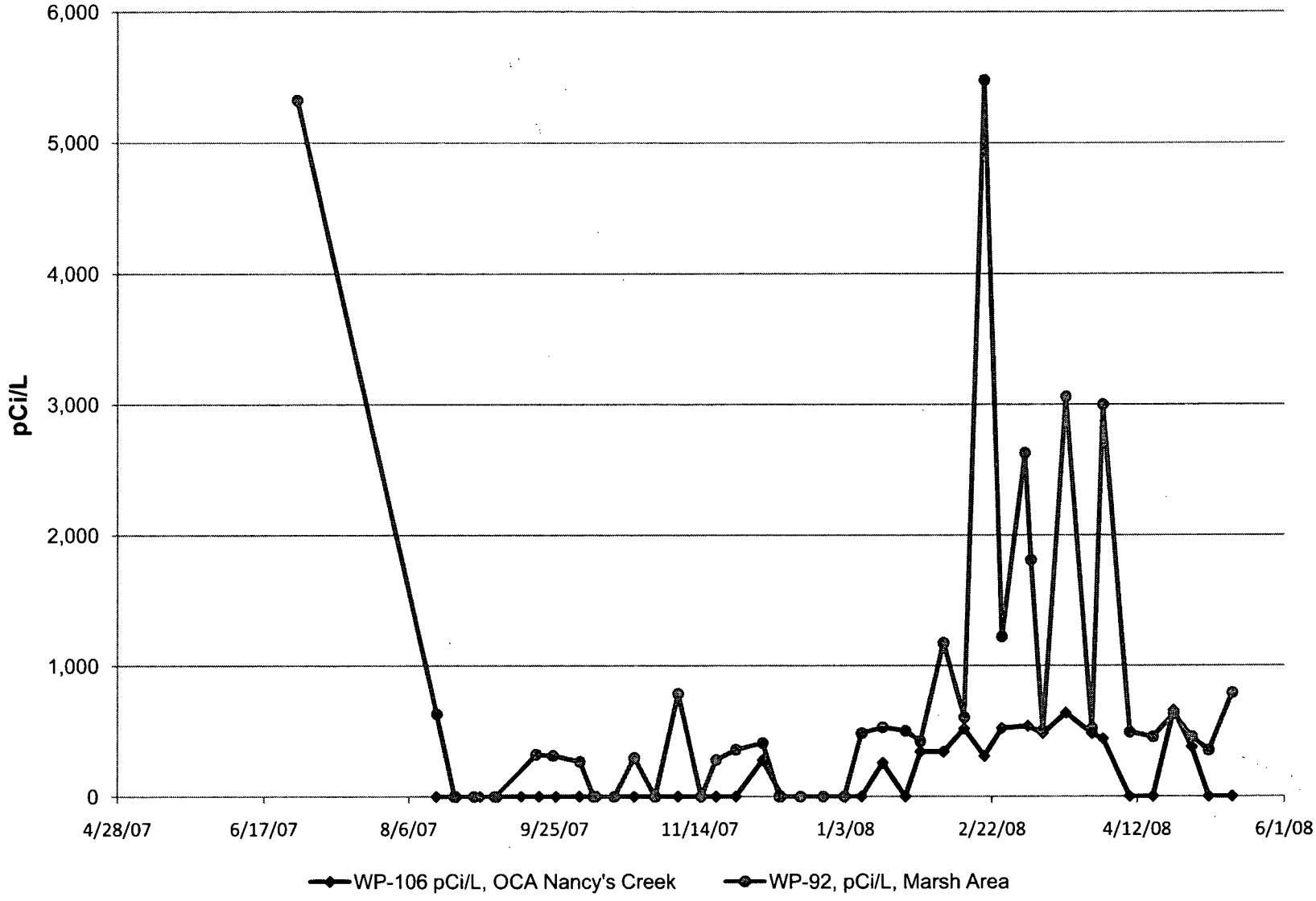


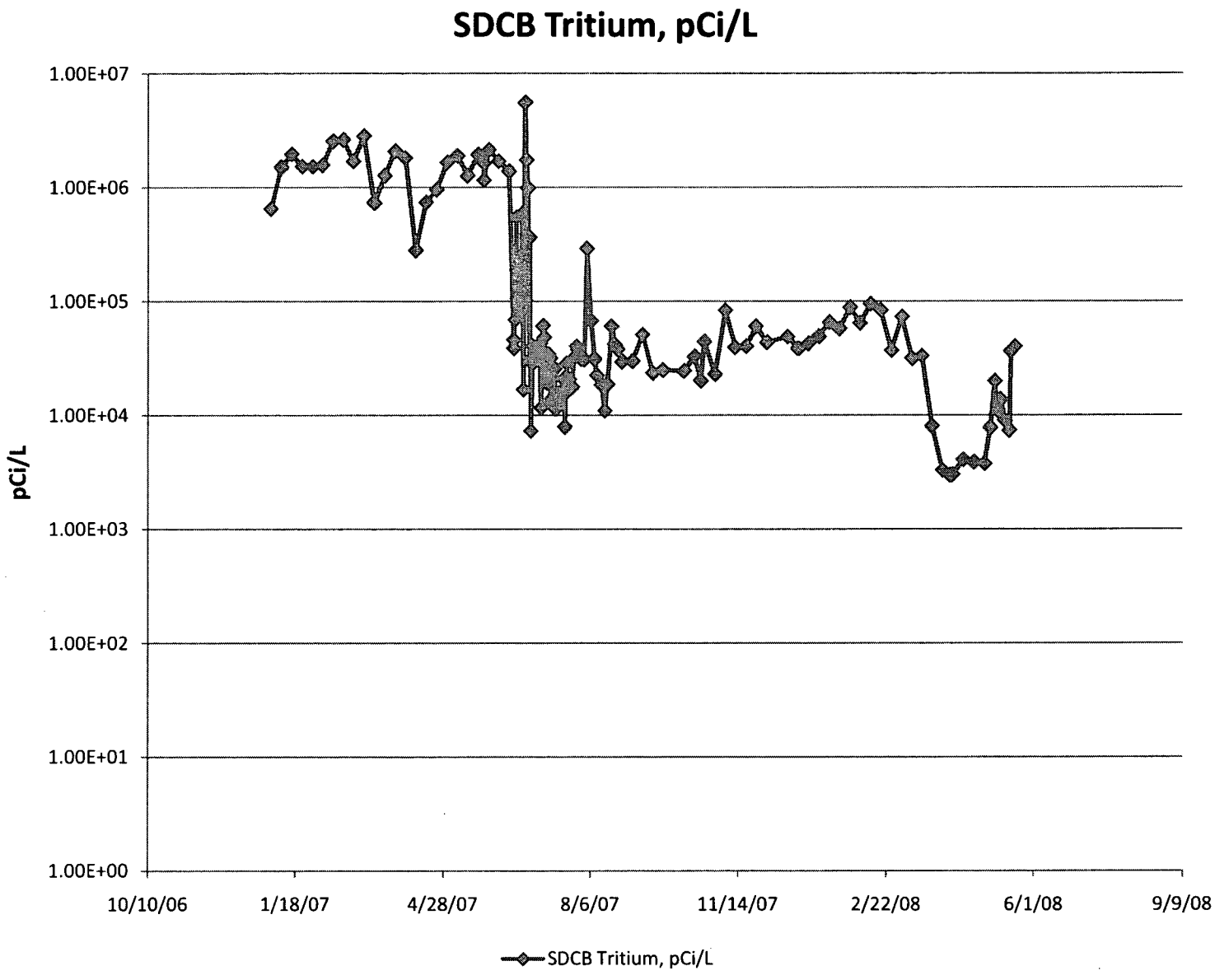
Progress Energy

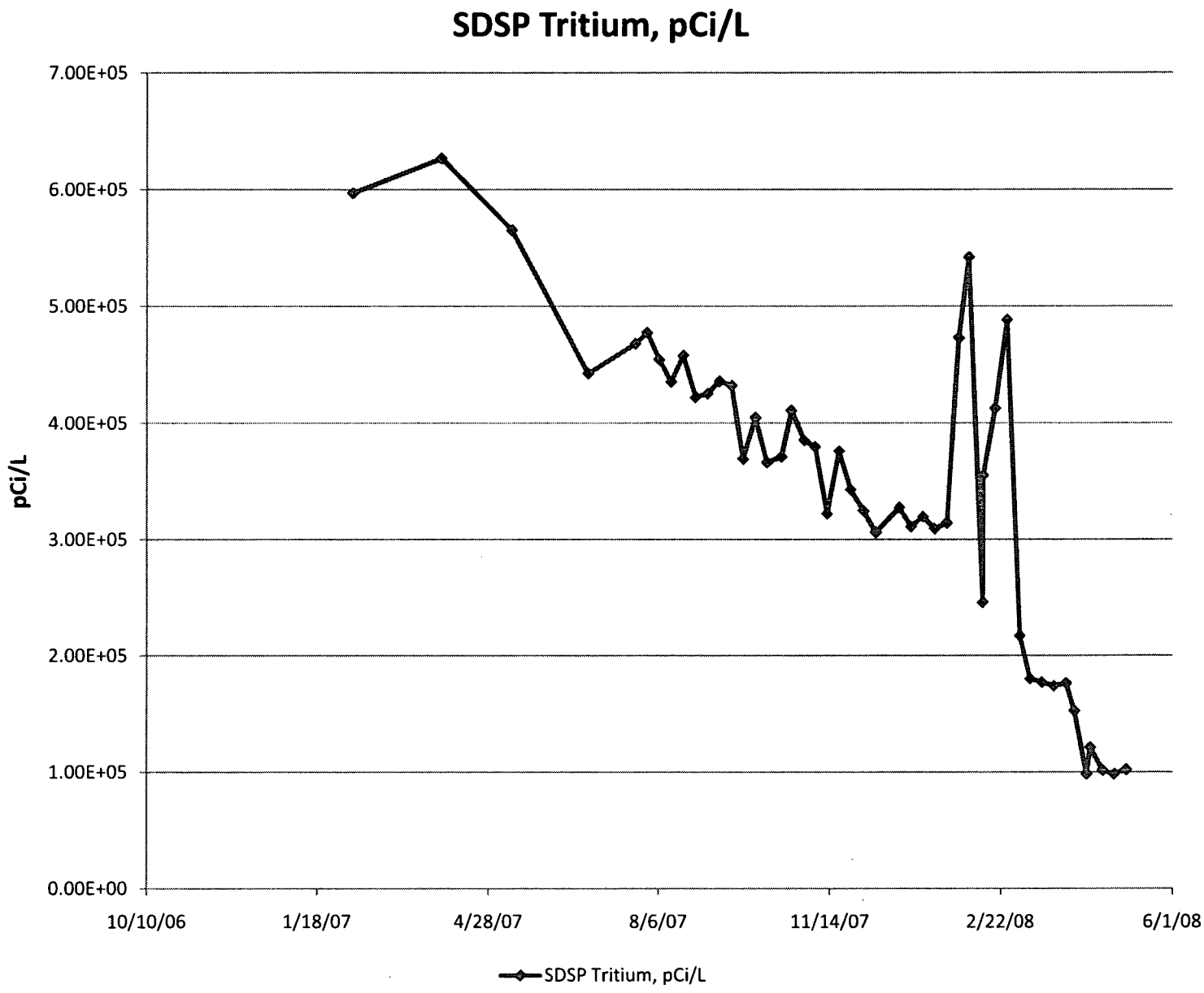
Waypoints 92 and 106

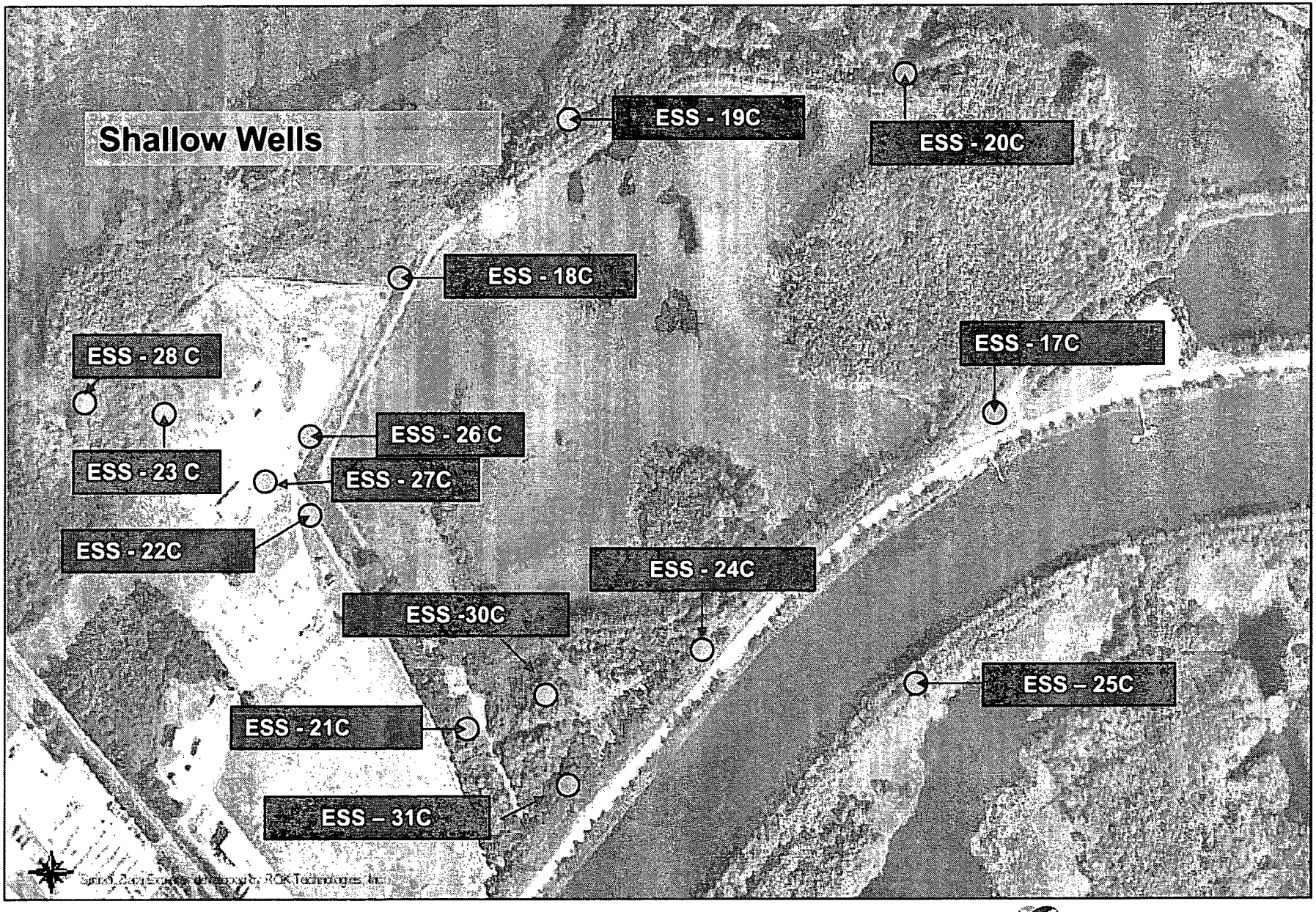


Progress Energy

Storm Drain Collection Basin and Storm Drain Stabilization Pond Tritium Trends


SDCB Tritium, pCi/L
1.00E+07
1.00E+06
1.00E+05
1.00E+04
1.00E+03
1.00E+02
1.00E+01
1.00E+00
pCi/L
10/10/06
1/18/07
4/28/07
8/6/07
11/14/07
2/22/08
6/1/08
9/9/08
SDCB Tritium, pCi/L


SDSP Tritium, pCi/L
7.00E+05
6.00E+05
5.00E+05
4.00E+05
3.00E+05
2.00E+05
1.00E+05
0.00E+00
pCi/L
10/10/06
1/18/07
4/28/07
8/6/07
11/14/07
2/22/08
6/1/08
SDSP Tritium, pCi/L



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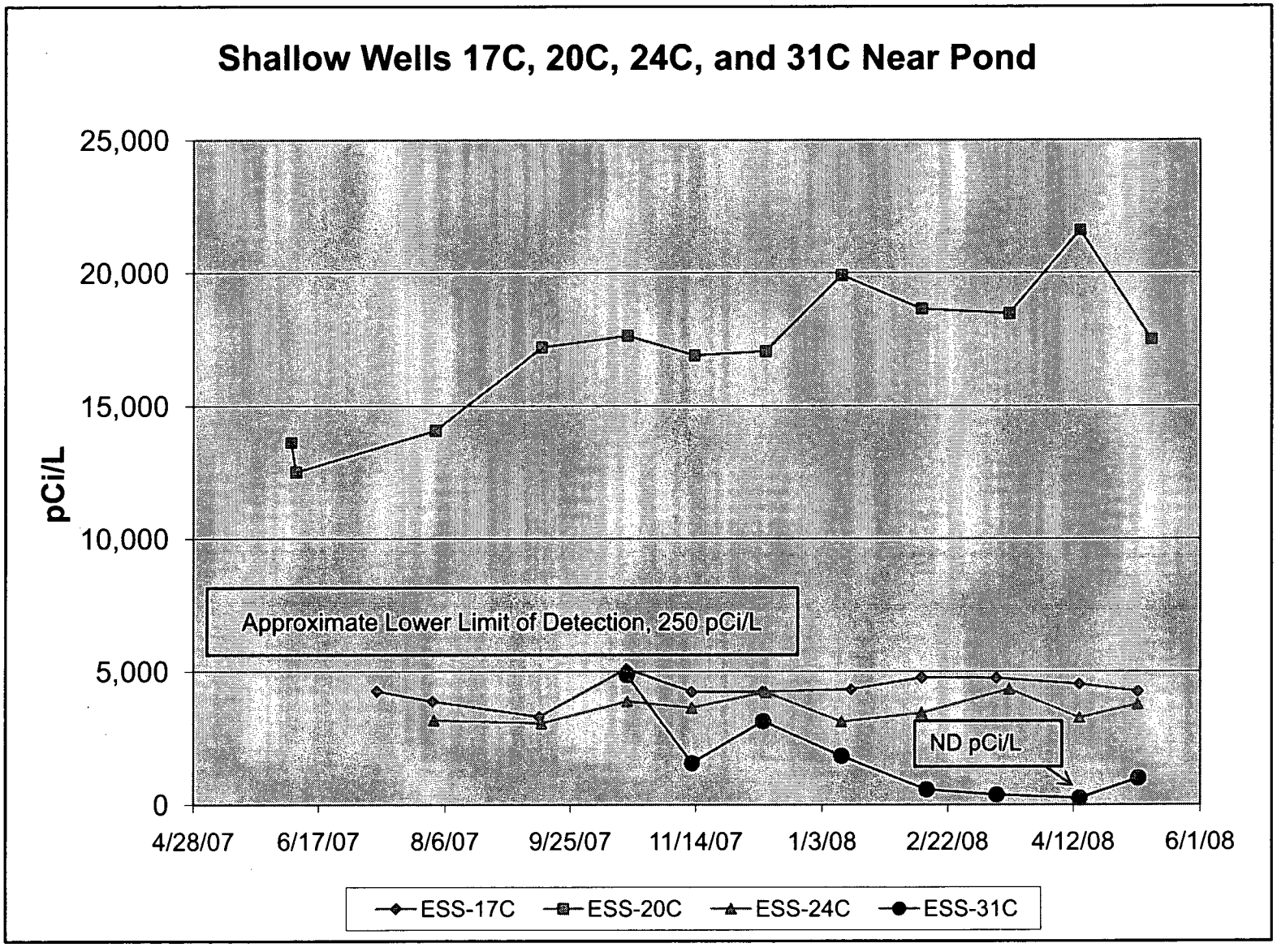

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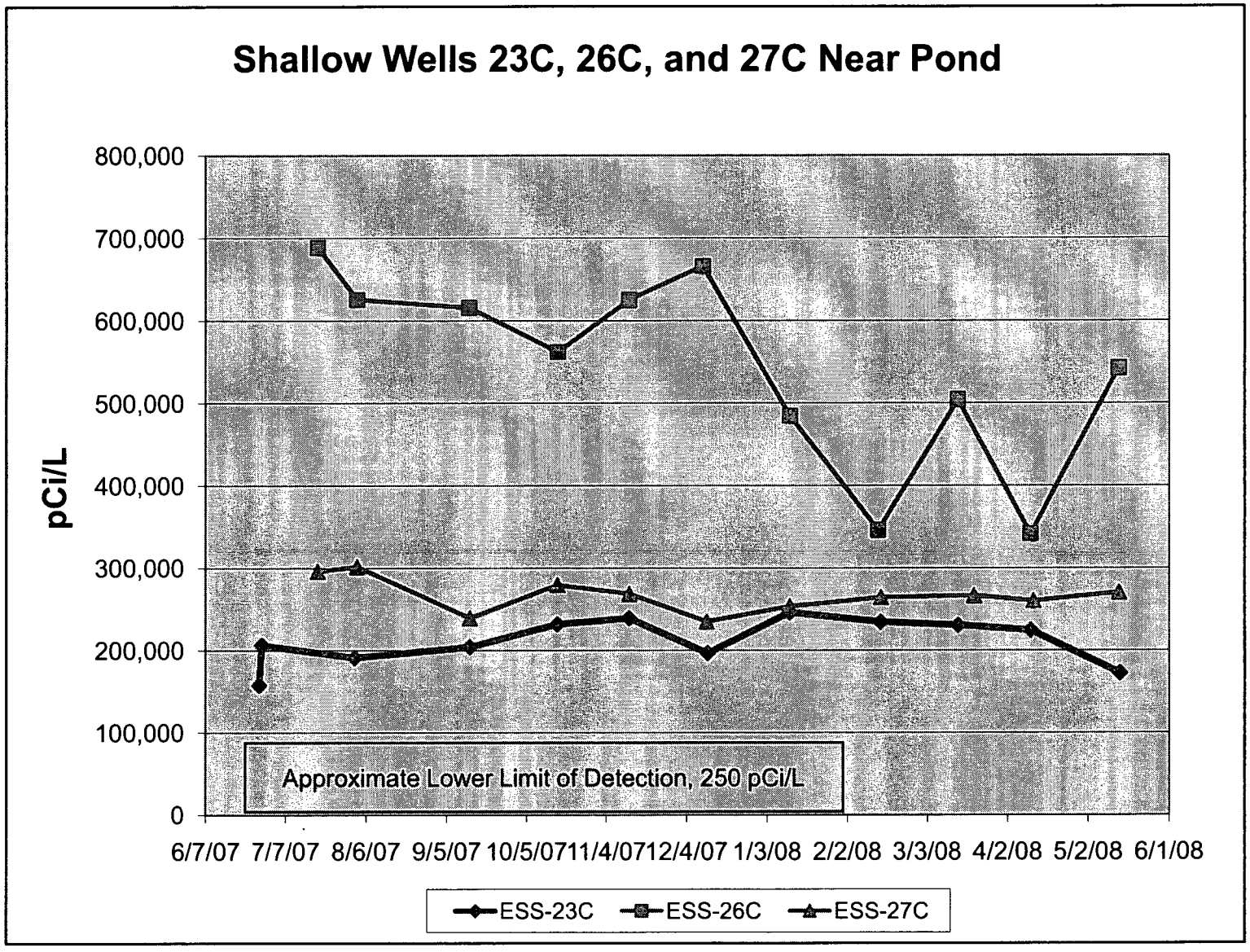

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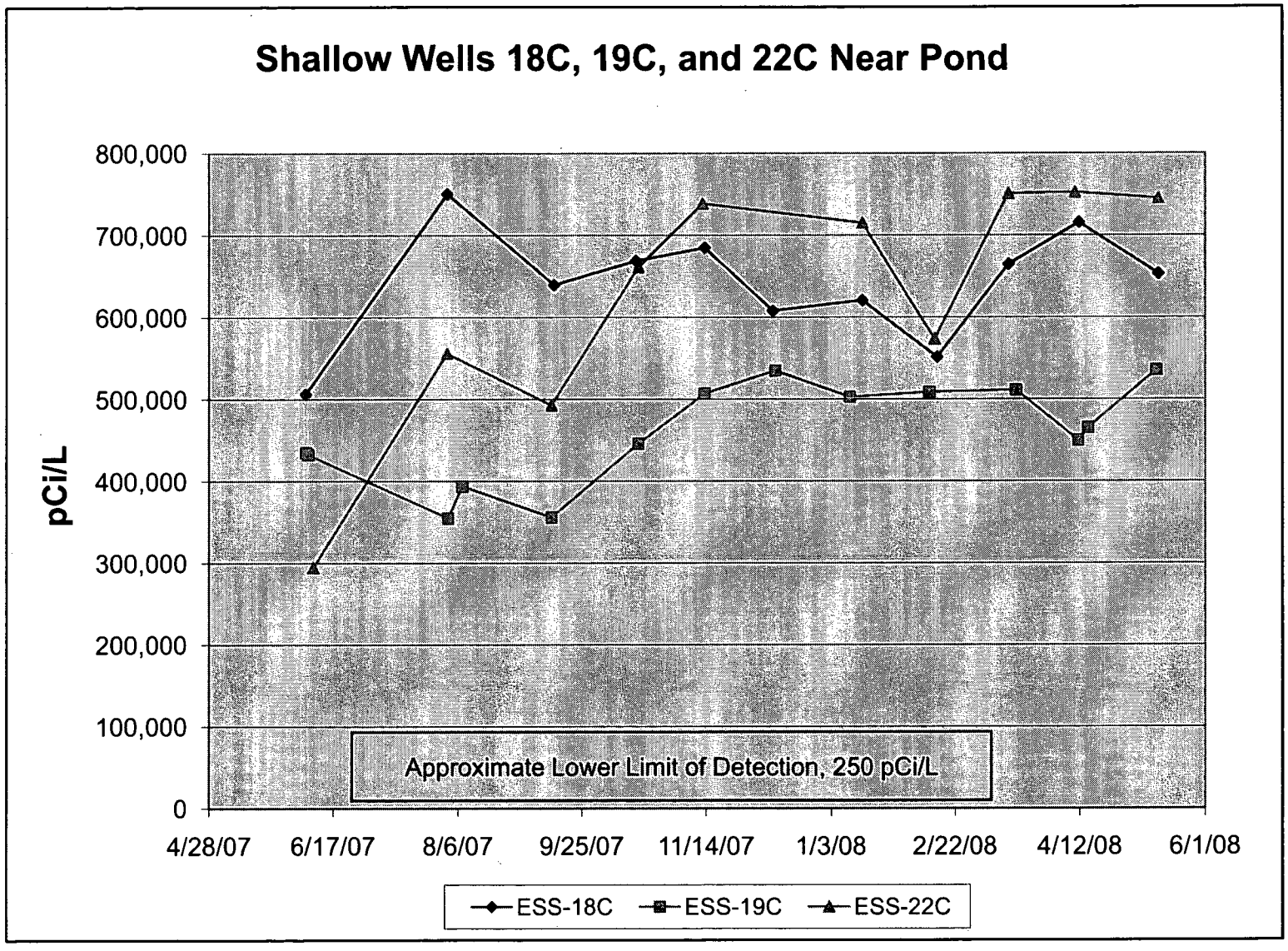

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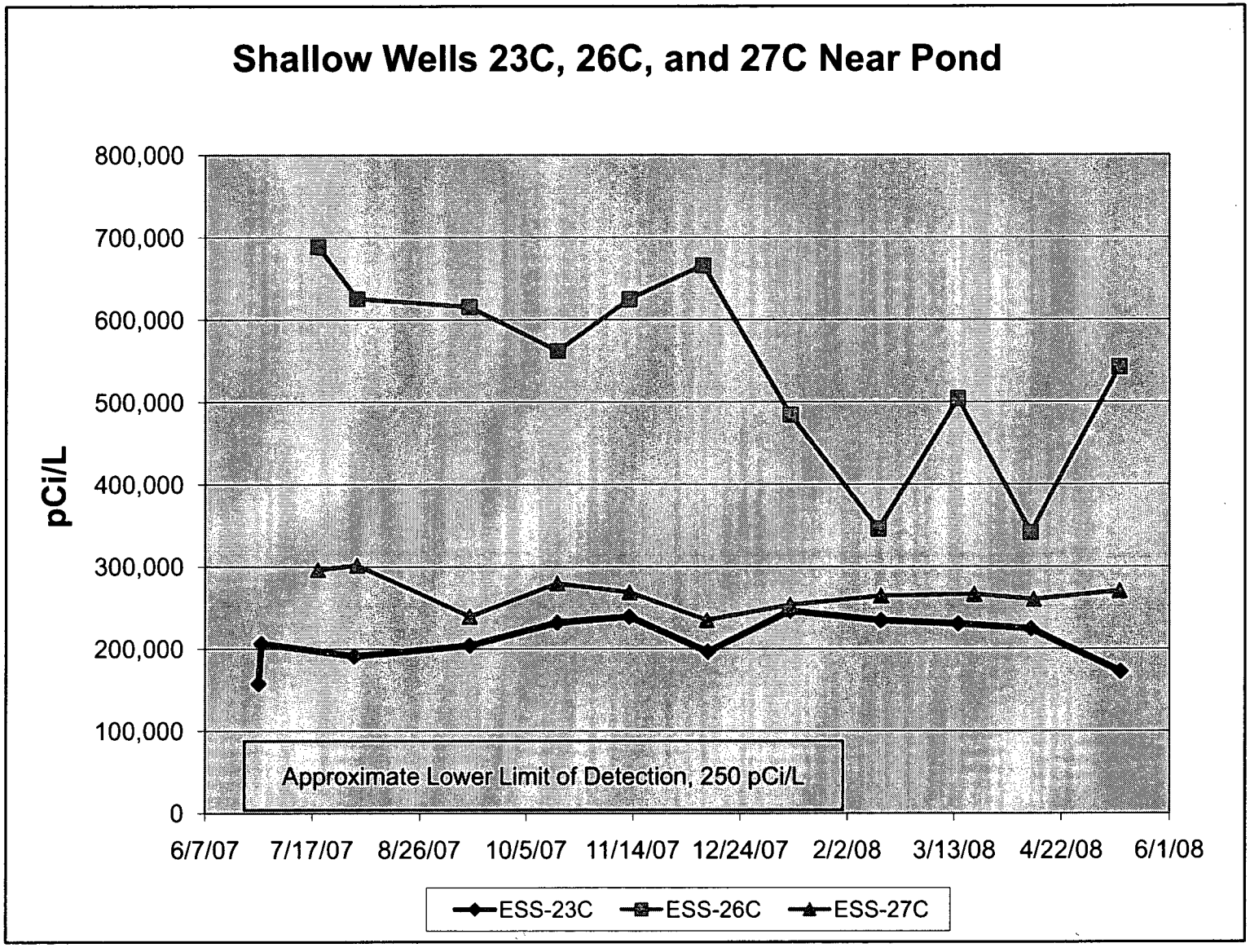

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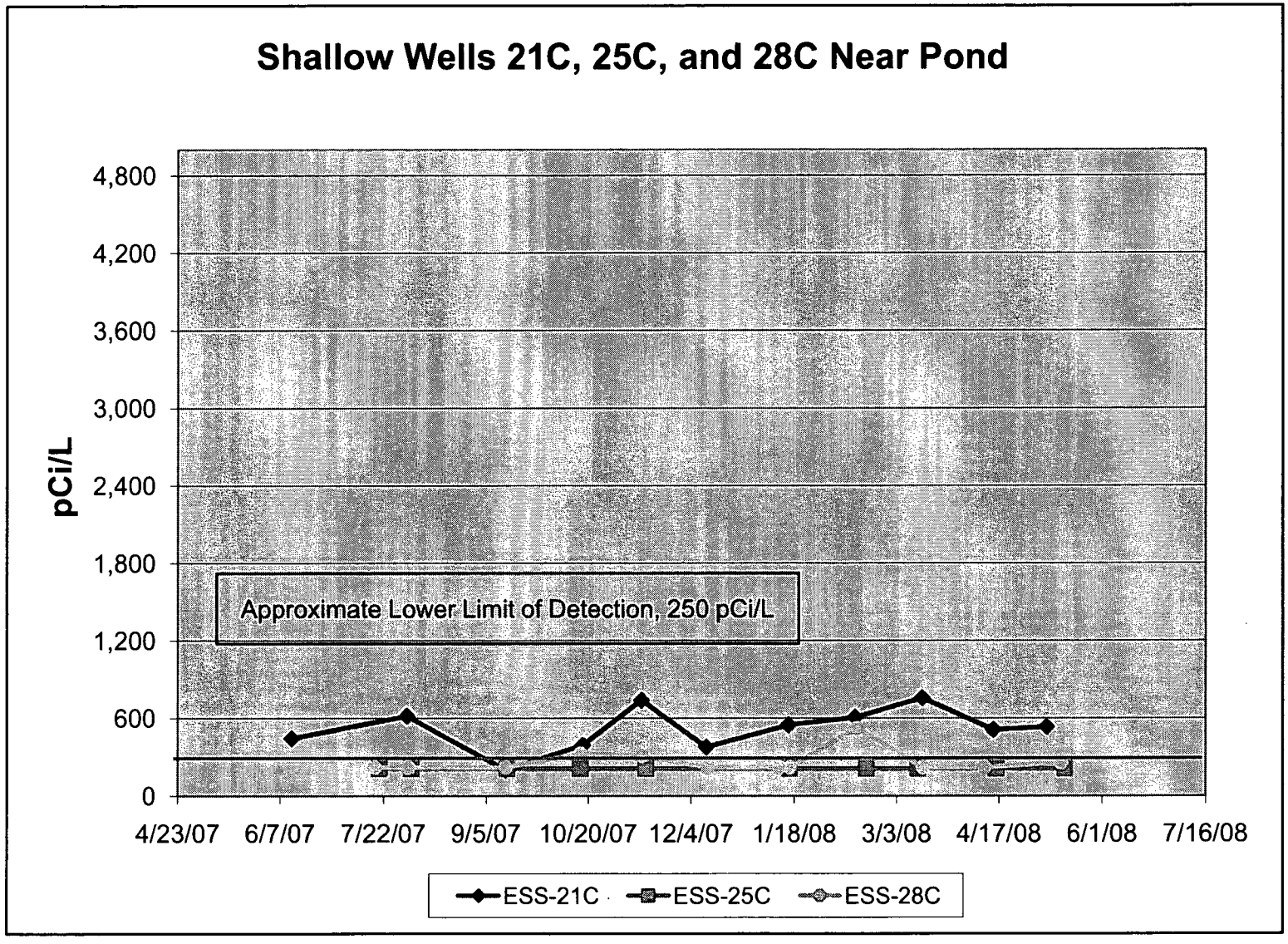

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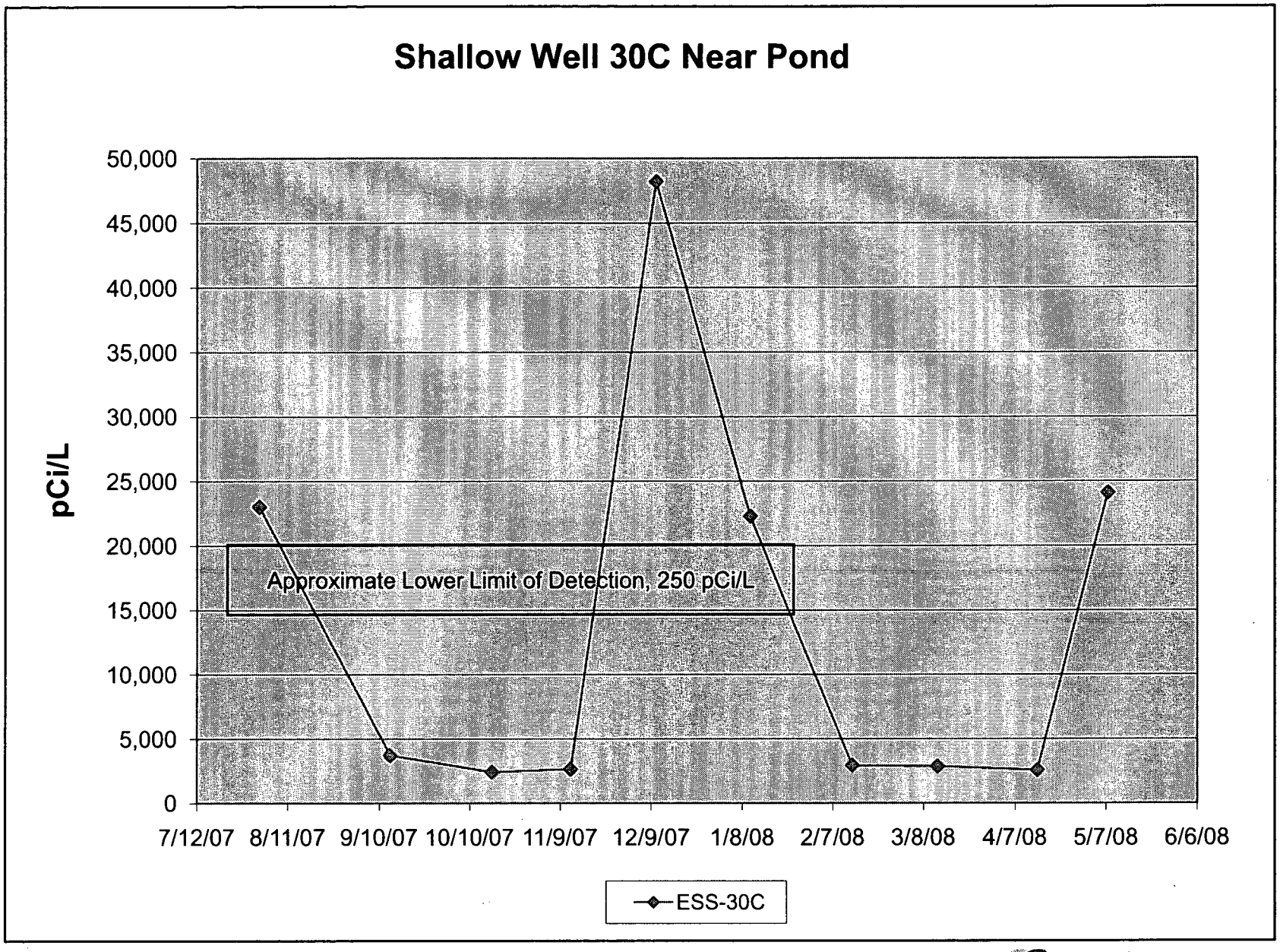

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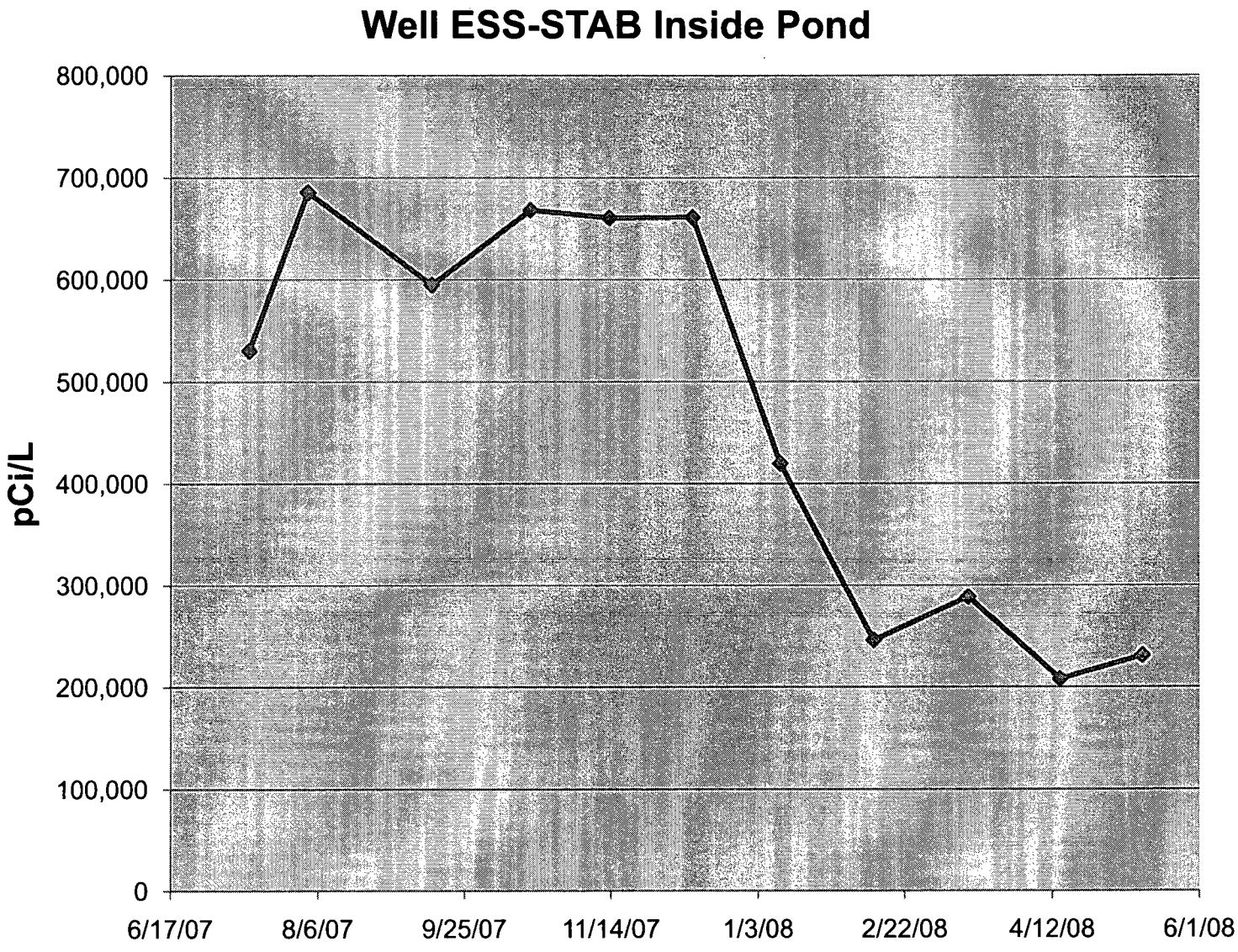
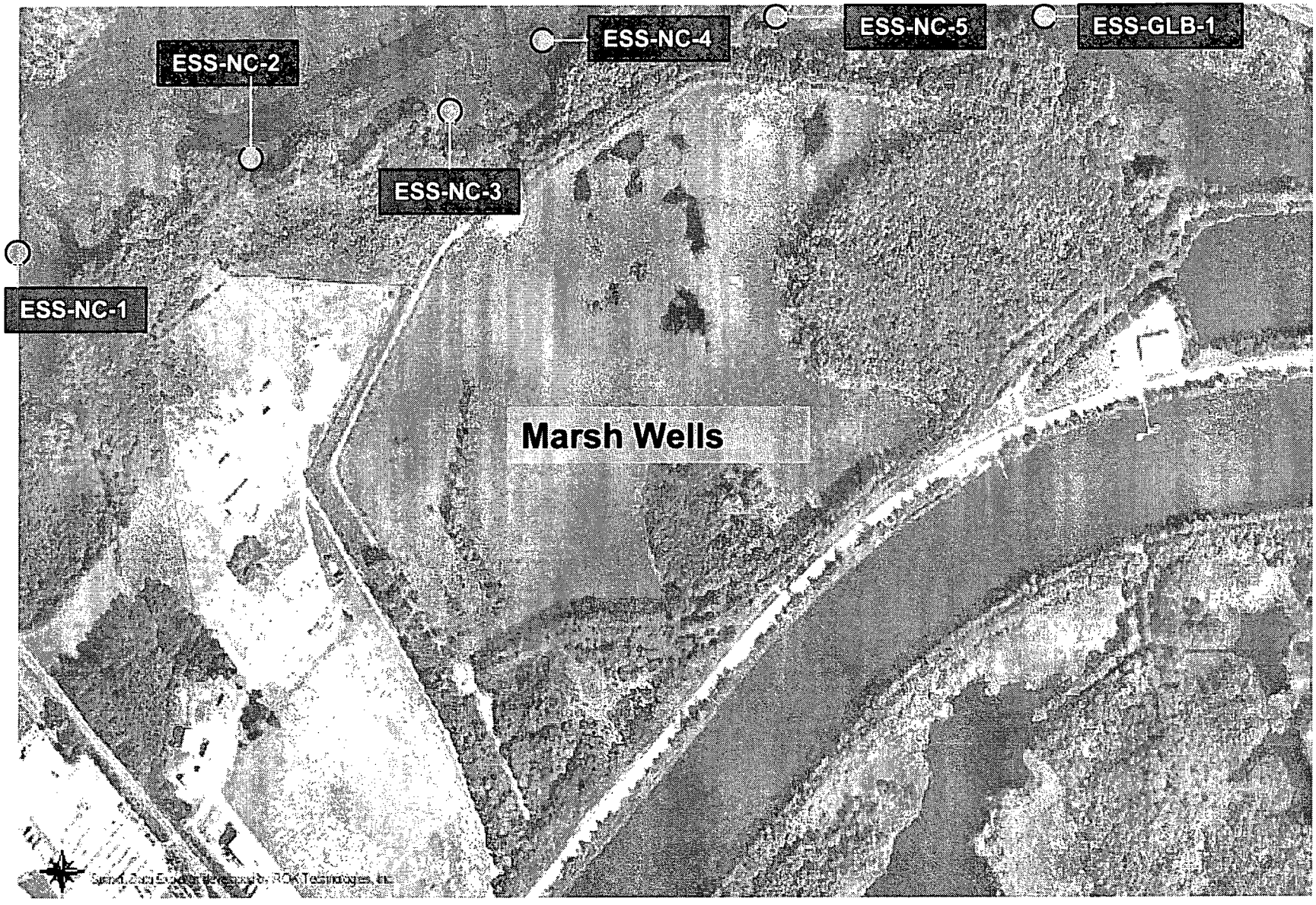


Progress Energy

Latest Shallow Well Data

Well	Well Depth (ft)	Sample Date	Sample Results (pCi/L)
ESS-17C	26	5/7/08	4,245
ESS-18C	20	5/13/08	653,000
ESS-19C	20	5/12/08	535,600
ESS-20C	20.5	5/12/08	17,500
ESS-21C	20	5/13/08	533
ESS-22C	20	5/13/08	744,900
ESS-23C	23	5/13/08	172,500
ESS-24C	18	5/7/08	3,484
ESS-25C	22	5/15/08	<LLD
ESS-26C	15	5/13/08	542,500
ESS-27C	15.5	5/13/08	270,400
ESS-28C	23	5/13/08	256
ESS-30C	15	5/7/08	24,120
ESS-31C	15	5/7/08	994
ESS-STAB	31	5/12/08	230,900

Progress Energy



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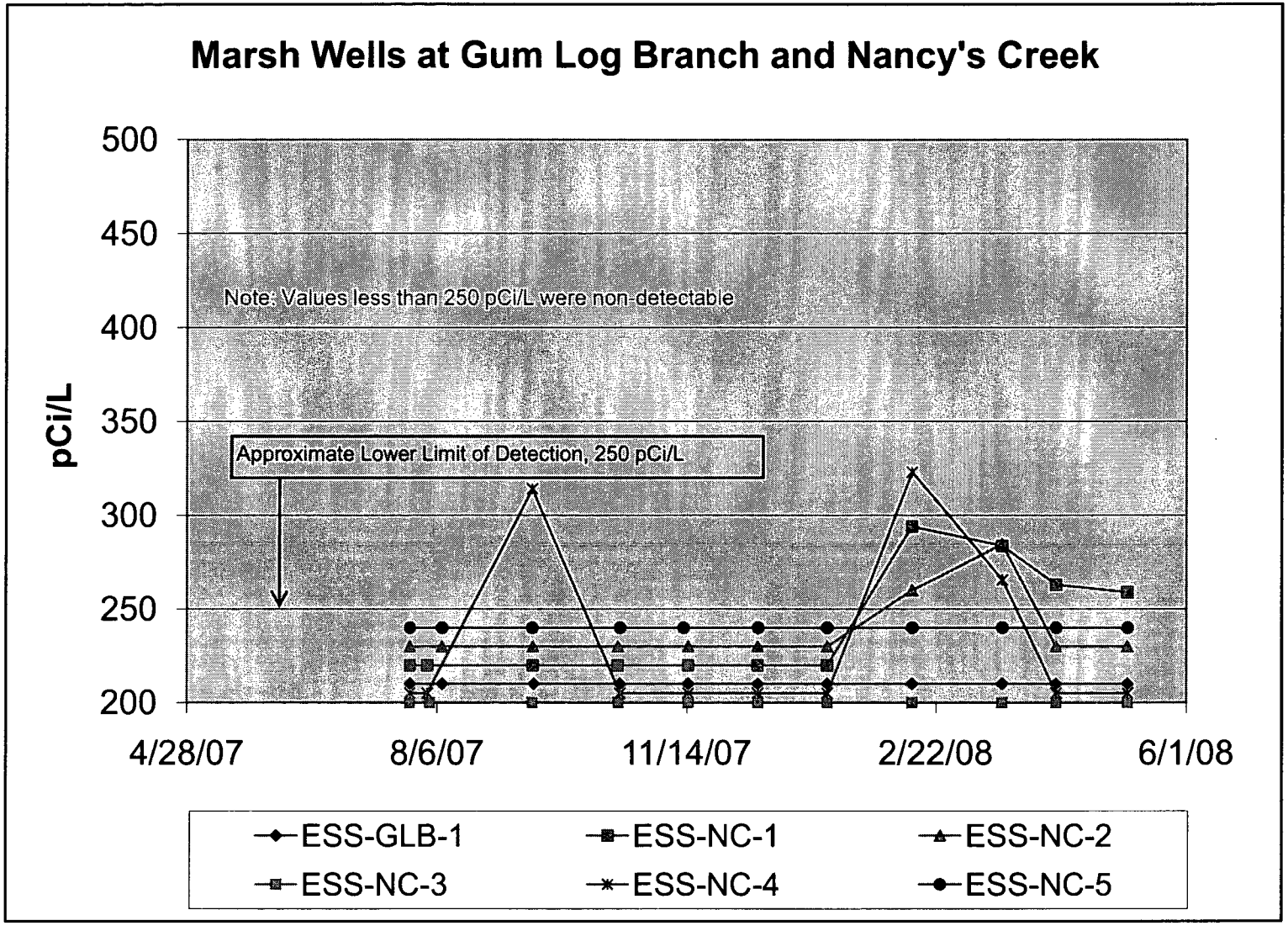
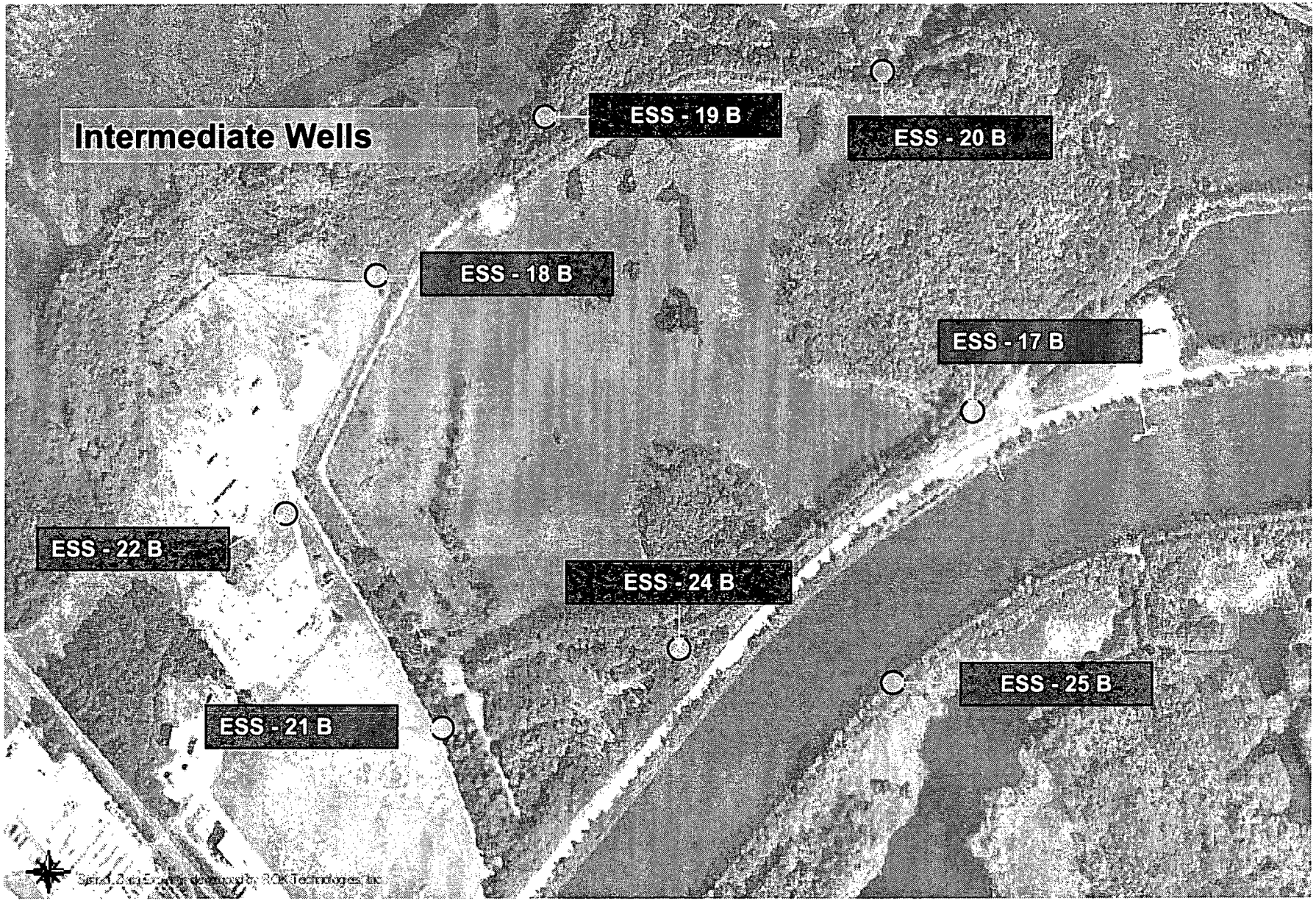


Progress Energy

Latest Marsh Well Data

Well	Well Depth (ft)	Sample Date	Tritium Sample Results (pCi/L)
ESS-NC-1	7.5	5/8/08	259
ESS-NC-2	8	5/8/08	<LLD
ESS-NC-3	8	5/8/08	<LLD
ESS-NC-4	8	5/8/08	<LLD
ESS-NC-5	8	5/8/08	<LLD
ESS-GLB-1	8	5/8/08	<LLD

Progress Energy



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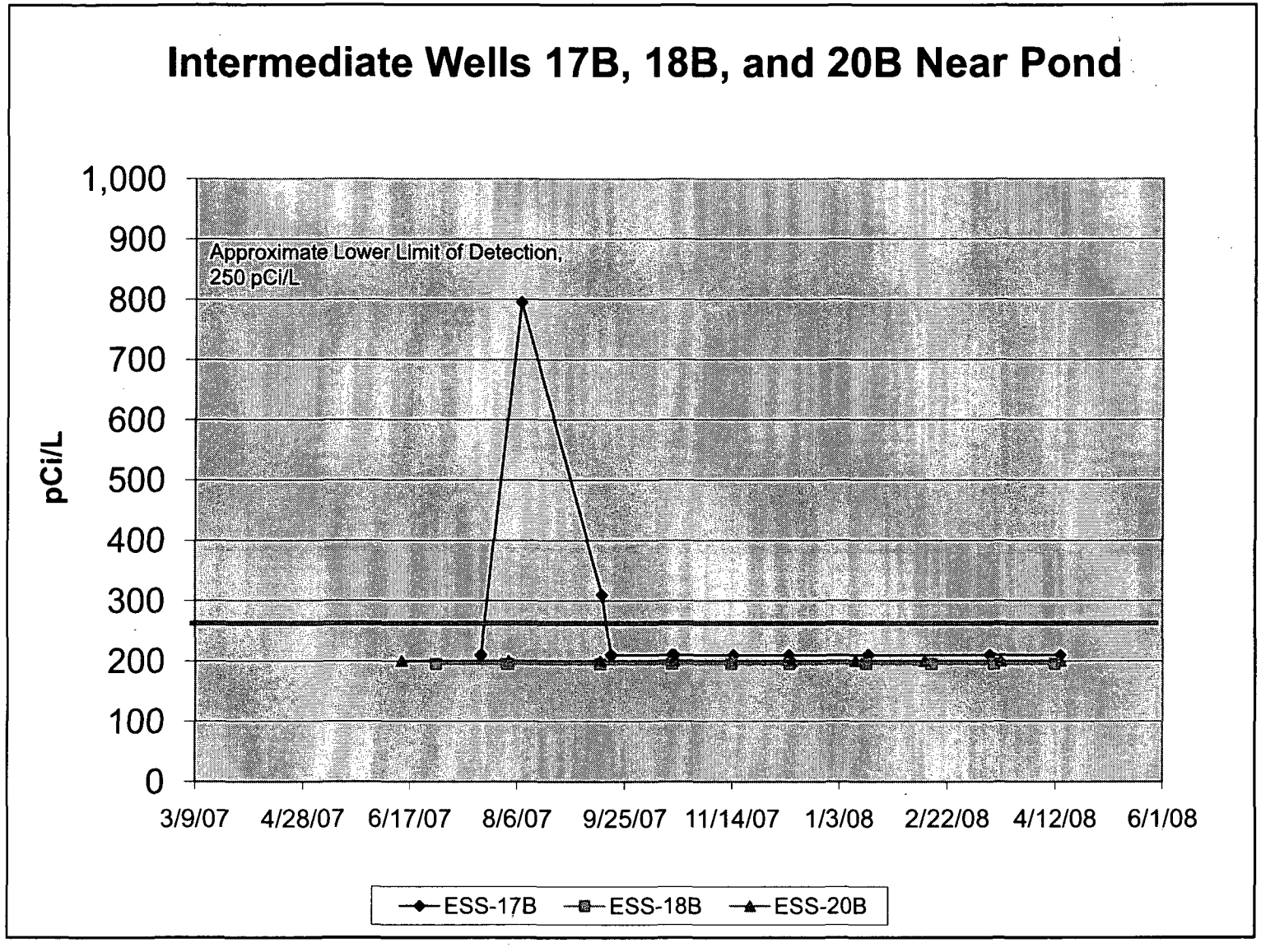

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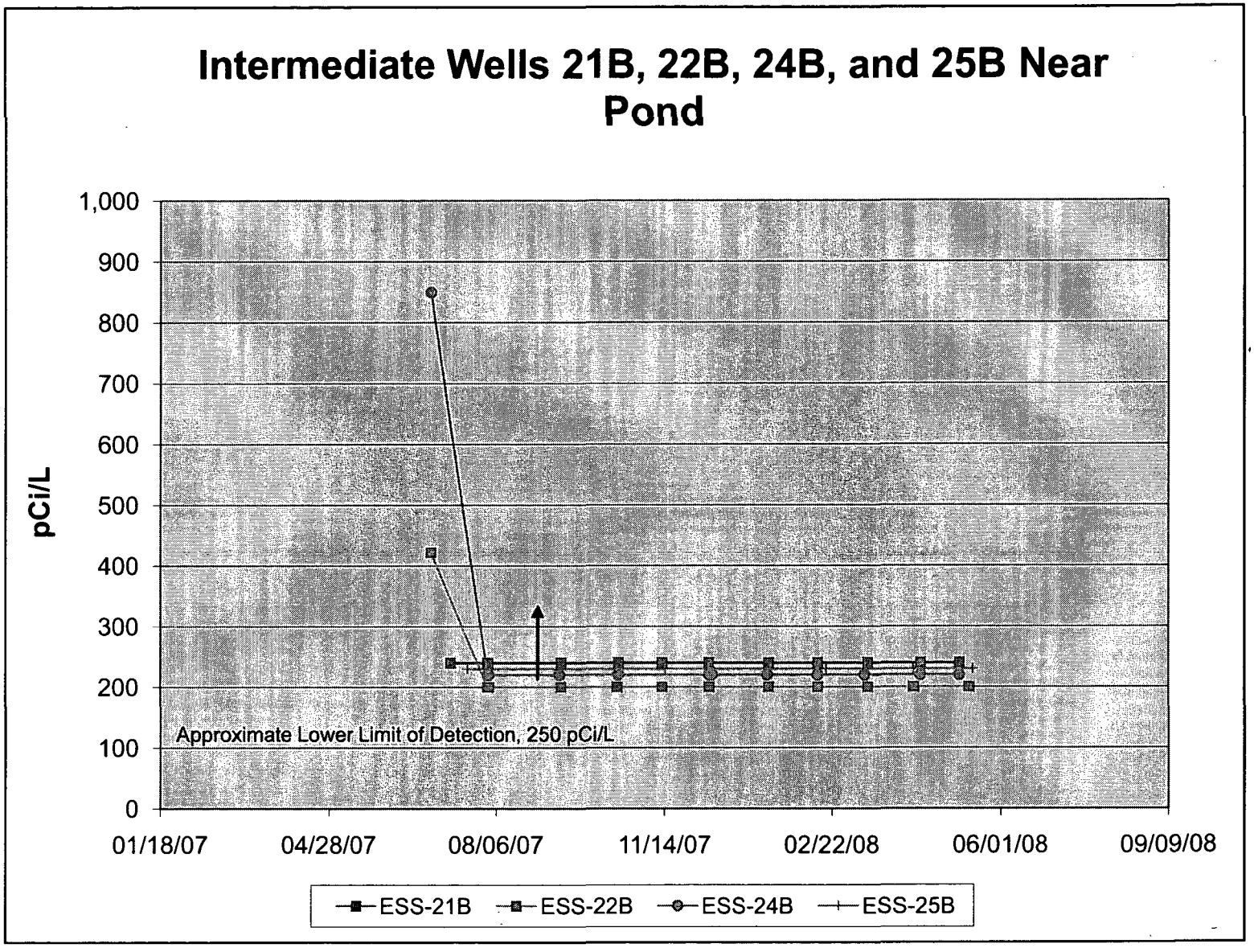

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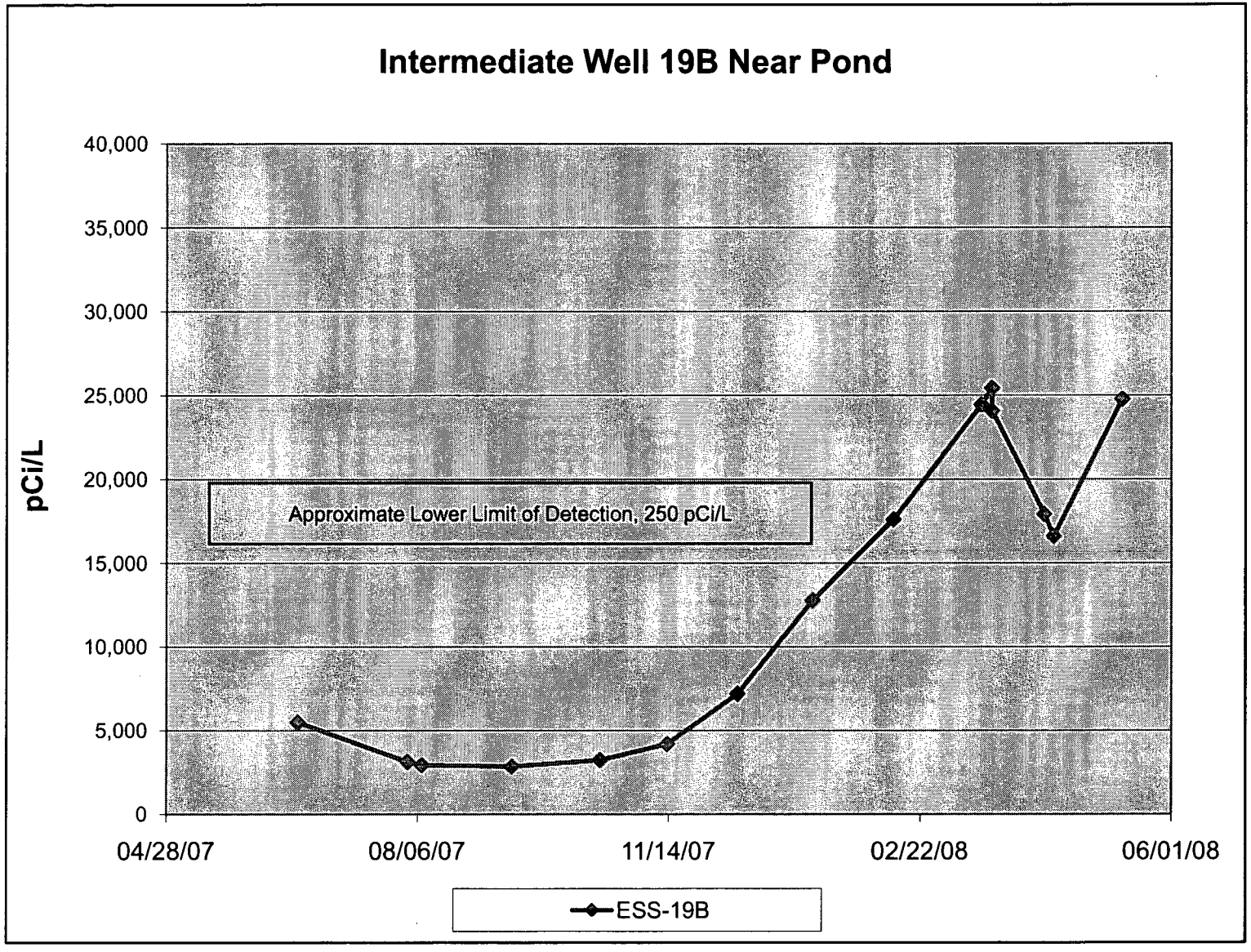
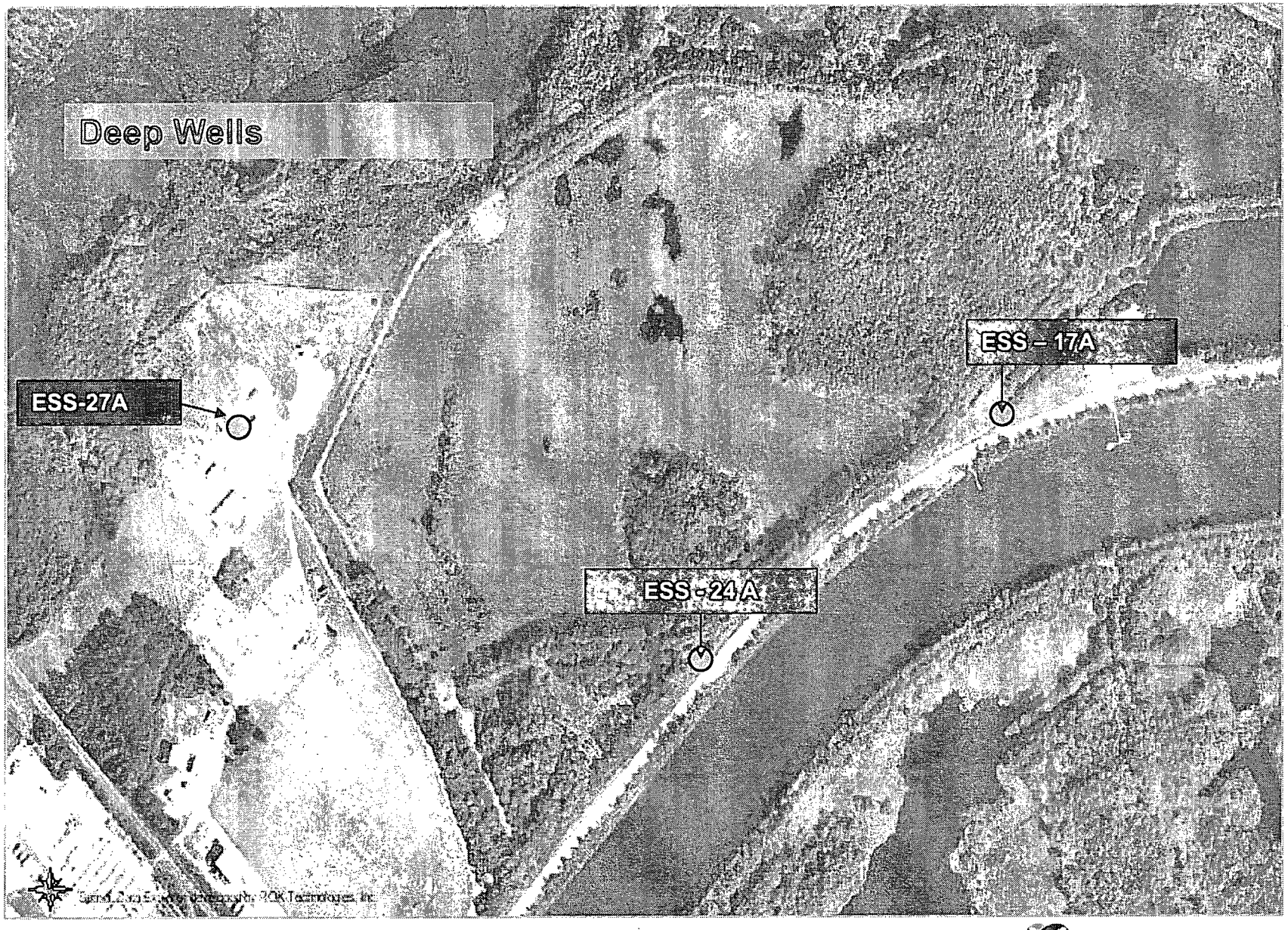


Progress Energy

Latest Intermediate Well Sample Data

Well	Well Depth (ft)	Sample Date	Sample Results (pCi/L)
ESS-17B	53	5/7/08	<LLD
ESS-18B	63	5/13/08	<LLD
ESS-19B	42	5/12/08	24,770
ESS-20B	43	5/12/08	<LLD
ESS-21B	67	5/7/08	<LLD
ESS-22B	76	5/13/08	<LLD
ESS-24B	53	5/7/08	<LLD
ESS-25B	43	5/15/08	<LLD

Progress Energy



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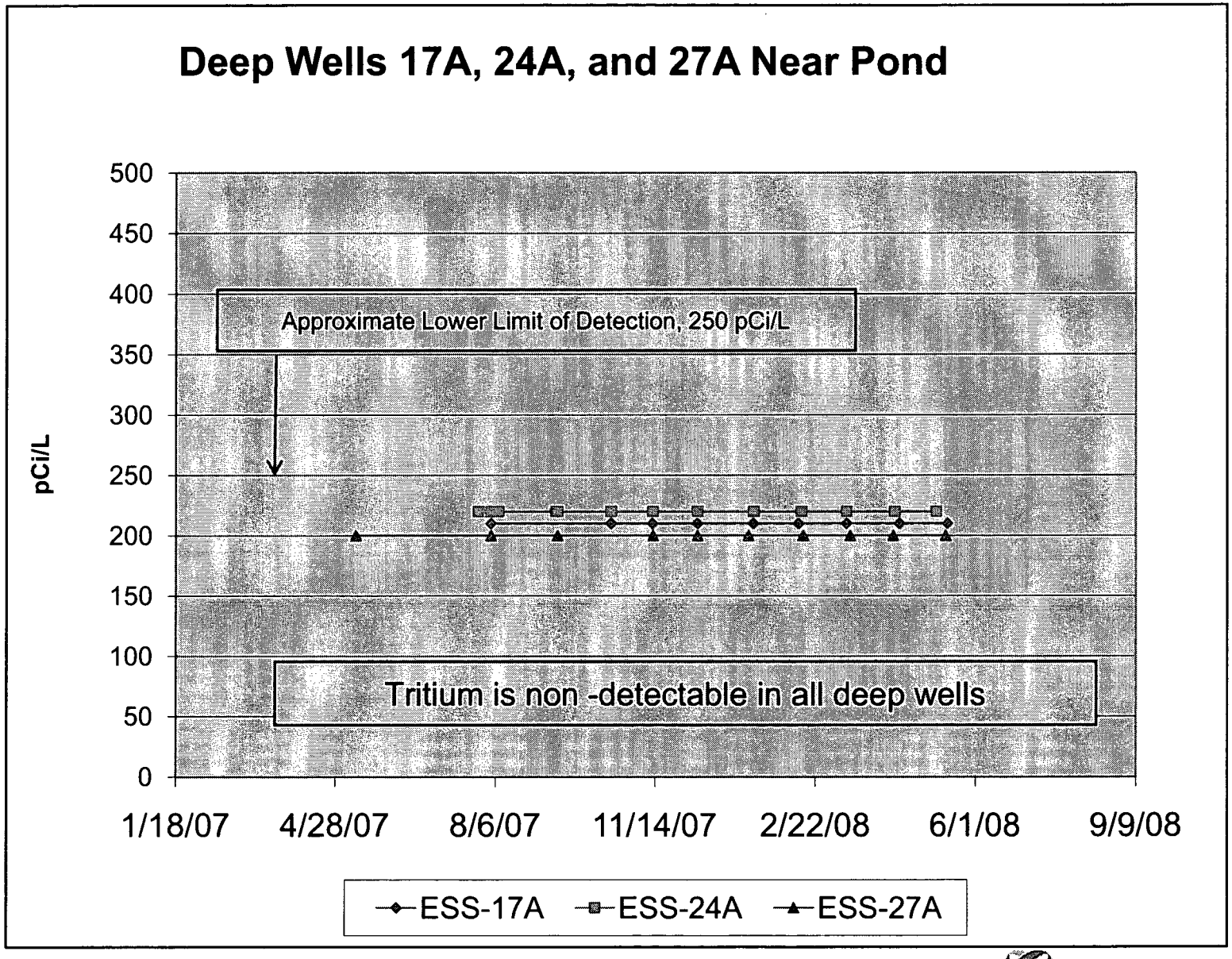
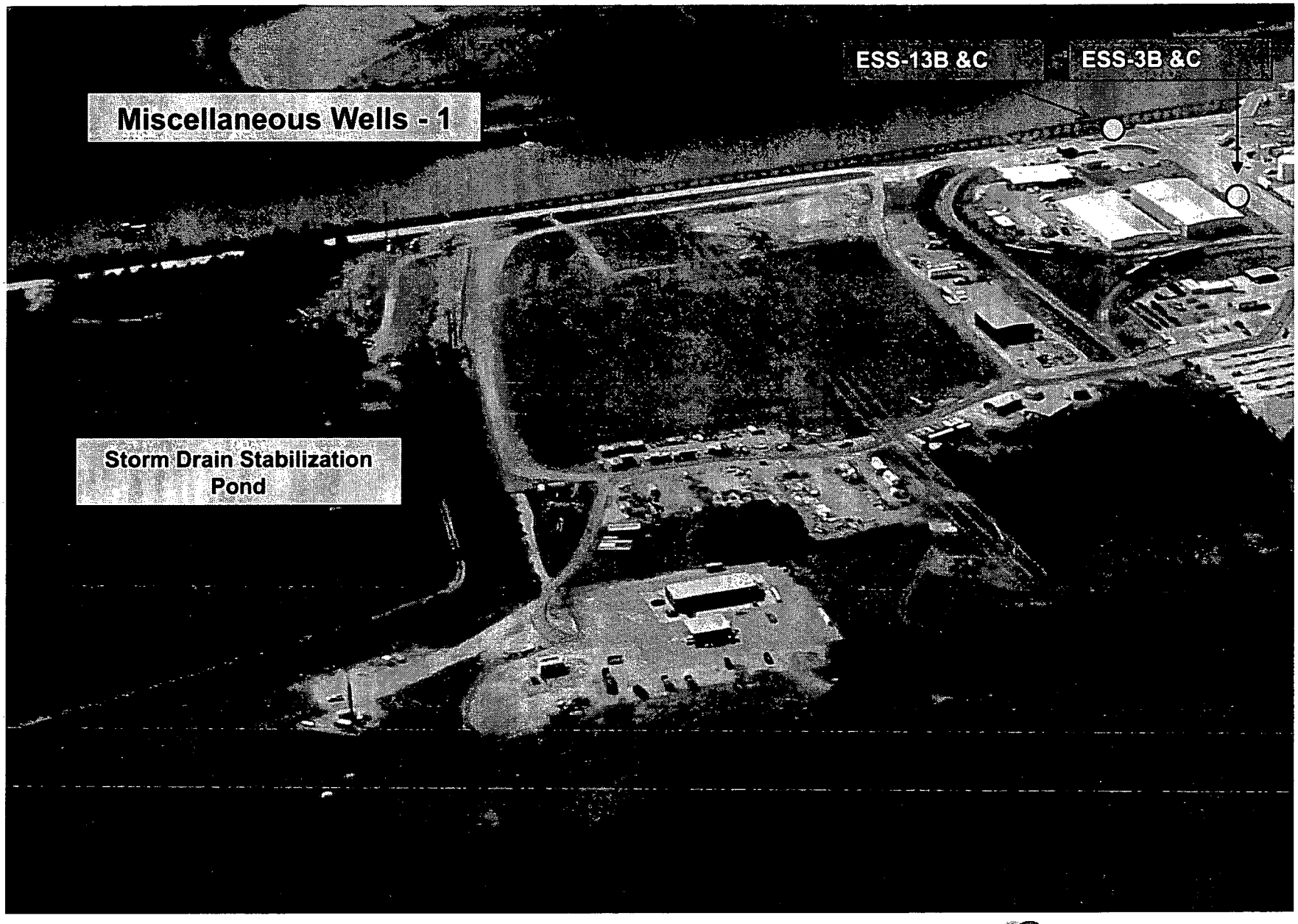


Progress Energy

Latest Deep Well Sample Data

Well	Well Depth (ft)	Sample Date	Tritium Sample Results (pCi/L)
ESS-17A	150	5/14/08	<LLD
ESS-24A	140	5/7/08	<LLD
ESS-27A	140	5/13/08	<LLD

Progress Energy



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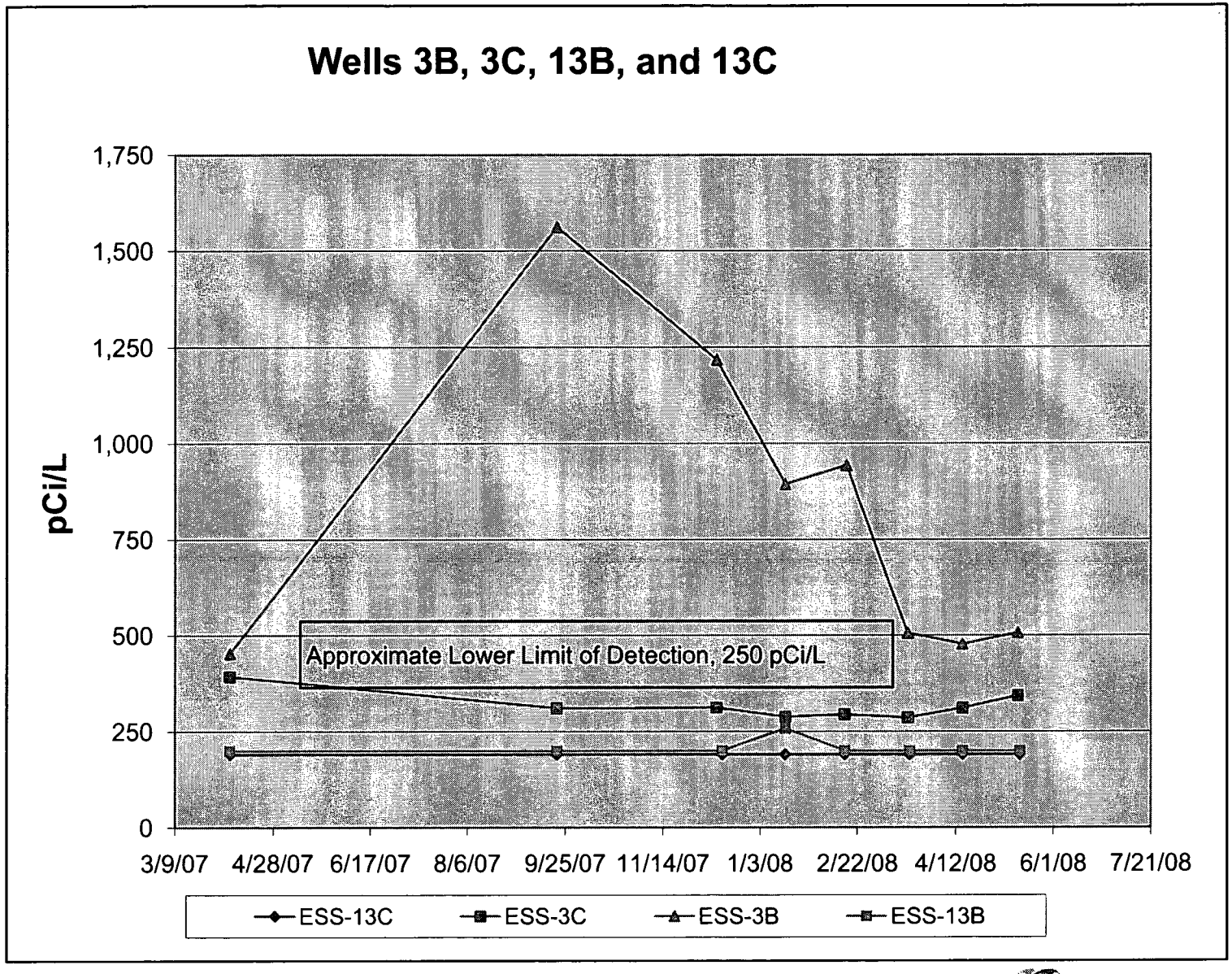
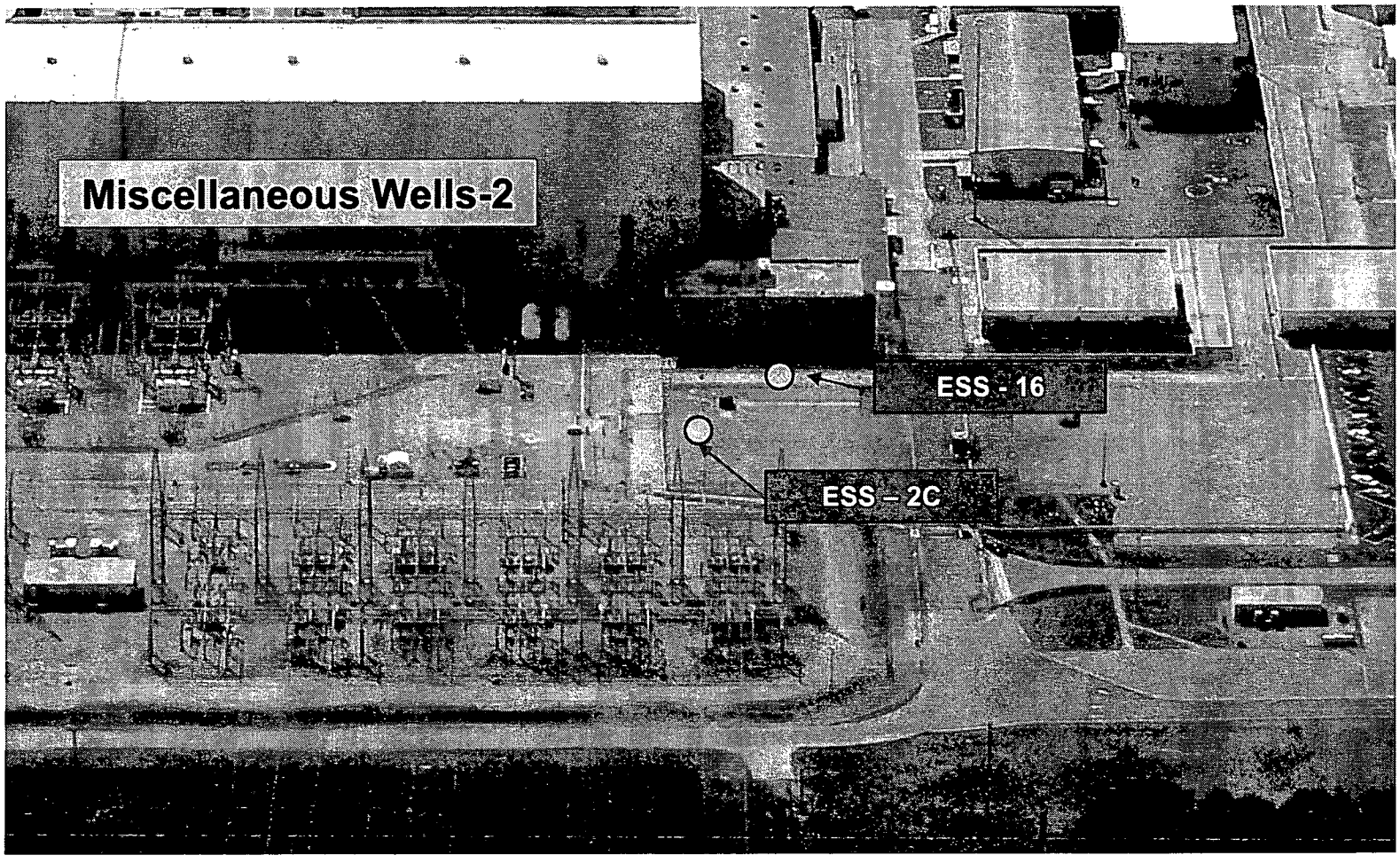


Progress Energy

Miscellaneous Wells-1

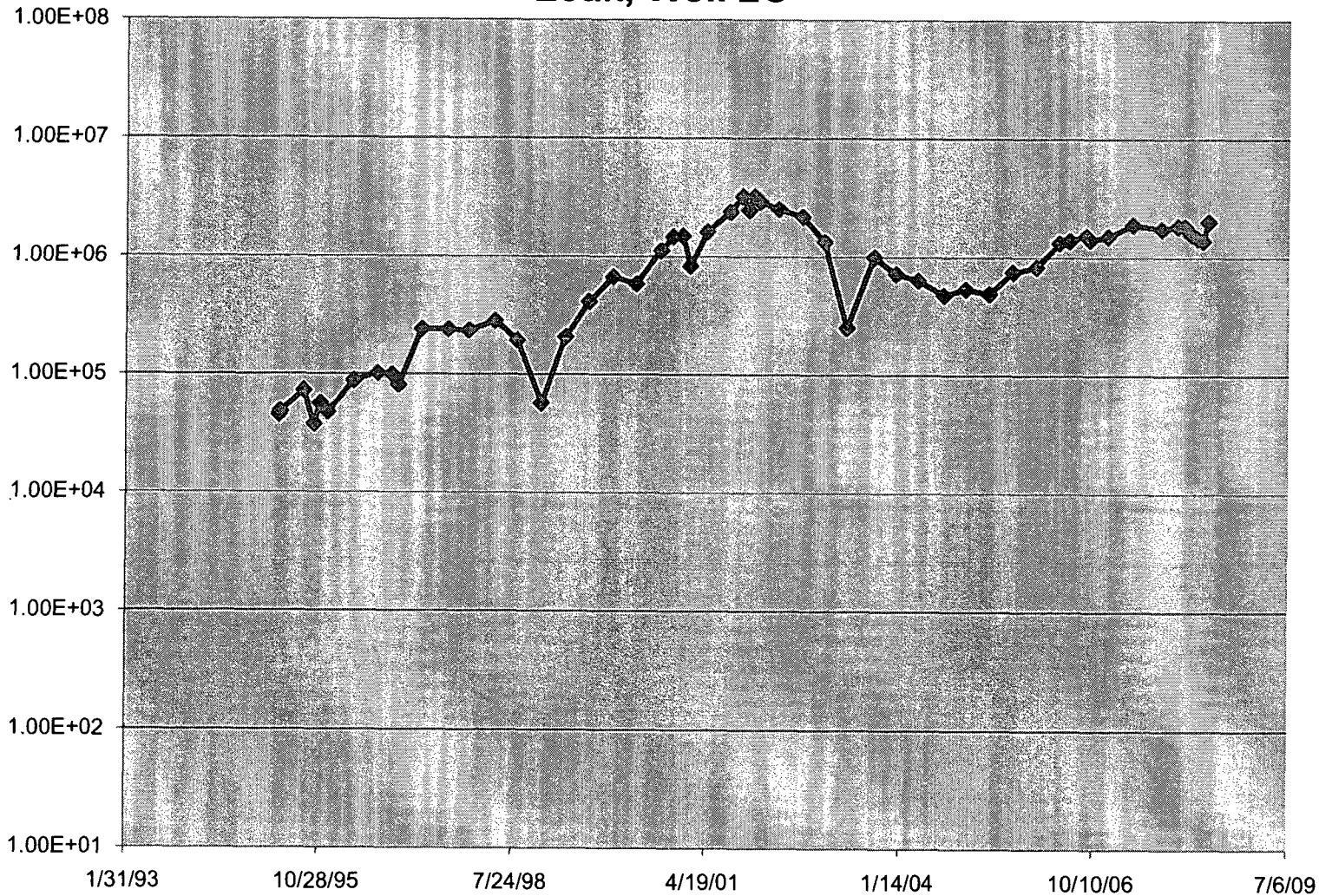
Well	Well Depth (ft)	Sample Date	Tritium Sample Results (pCi/L)
ESS-3B	52.4	5/13/08	507
ESS-3C	14.3	5/13/08	343
ESS-13B	56.5	5/14/08	<LLD
ESS-13C	24.8	5/14/08	<LLD

Progress Energy



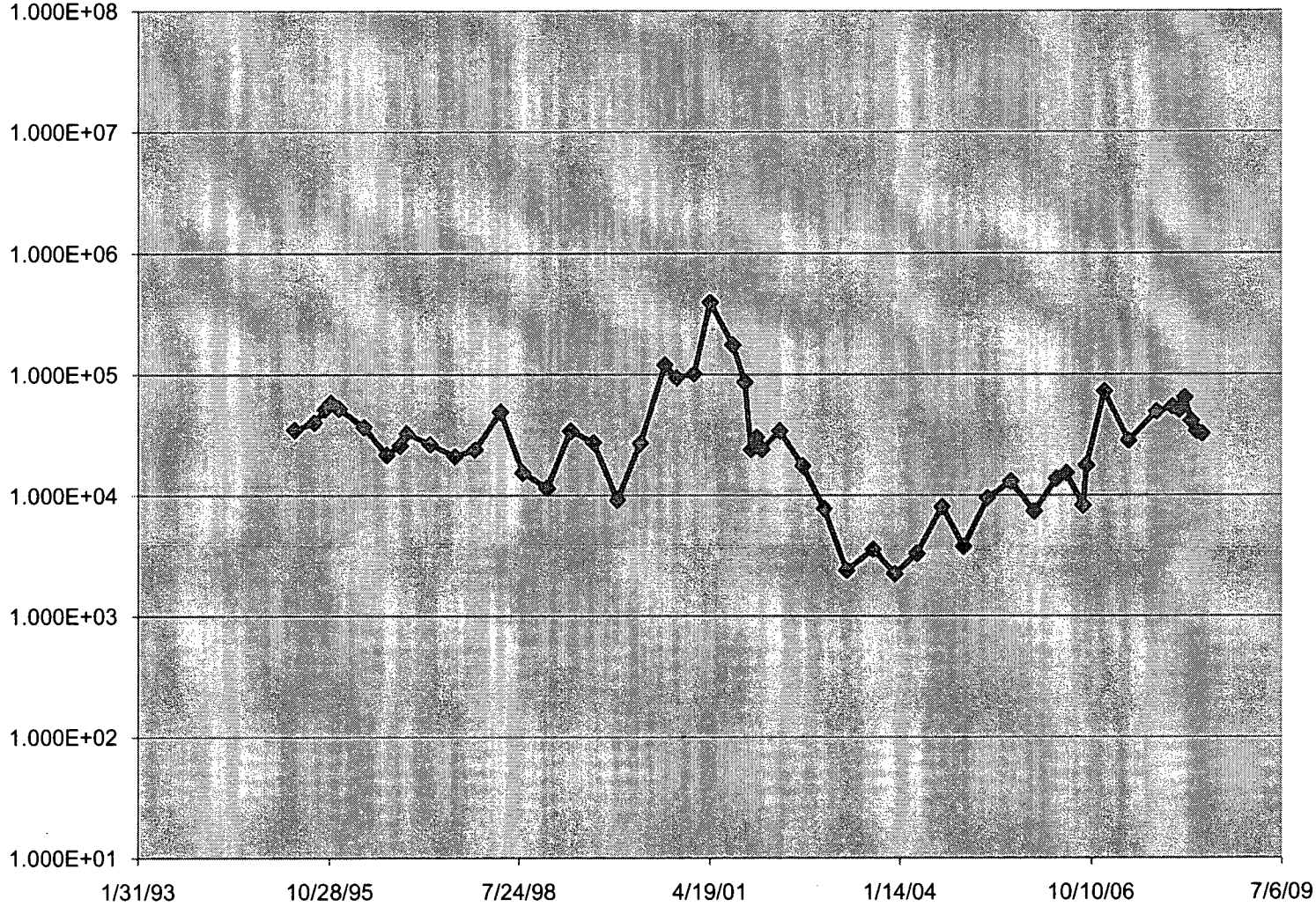
Progress Energy

Switchyard Area Wells from Historical Radwaste Line Leak, Well 2C



Progress Energy

Switchyard Area Wells from Historical Radwaste Line Leak, Well 16



Progress Energy

Miscellaneous Wells-2

Well	Well Depth (ft)	Sample Date	Tritium Sample Results (pCi/L)
ESS-2C	23	5/15/08	2,008,000
ESS-16	25.4	5/15/08	32,180

Progress Energy