Gepford, Heather

From: Grzeck, Lee [Lee.Grzeck@pgnmail.com]
Sent: Wednesday, September 03, 2008 2:10 PM
To: George Kuzo; Heather Gepford; Austin, Joe; Kolcum, Gregory
Cc: Kemp, Daniel; England, Louise; Dale Dusenbury
Subject: Brunswick Tritium Conference Call
Attachments: Sampling Locations data updated 8-26-08.pdf; Updated 8-28-08 Well pictures with data and graphs.pdf

Attached are the slides for the Brunswick tritium update conference call to be held on Thursday September 4 at 10:00.

Lee Grzeck
Licensing and Regulatory Programs
Brunswick Nuclear Plant
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910-457-2487 Work
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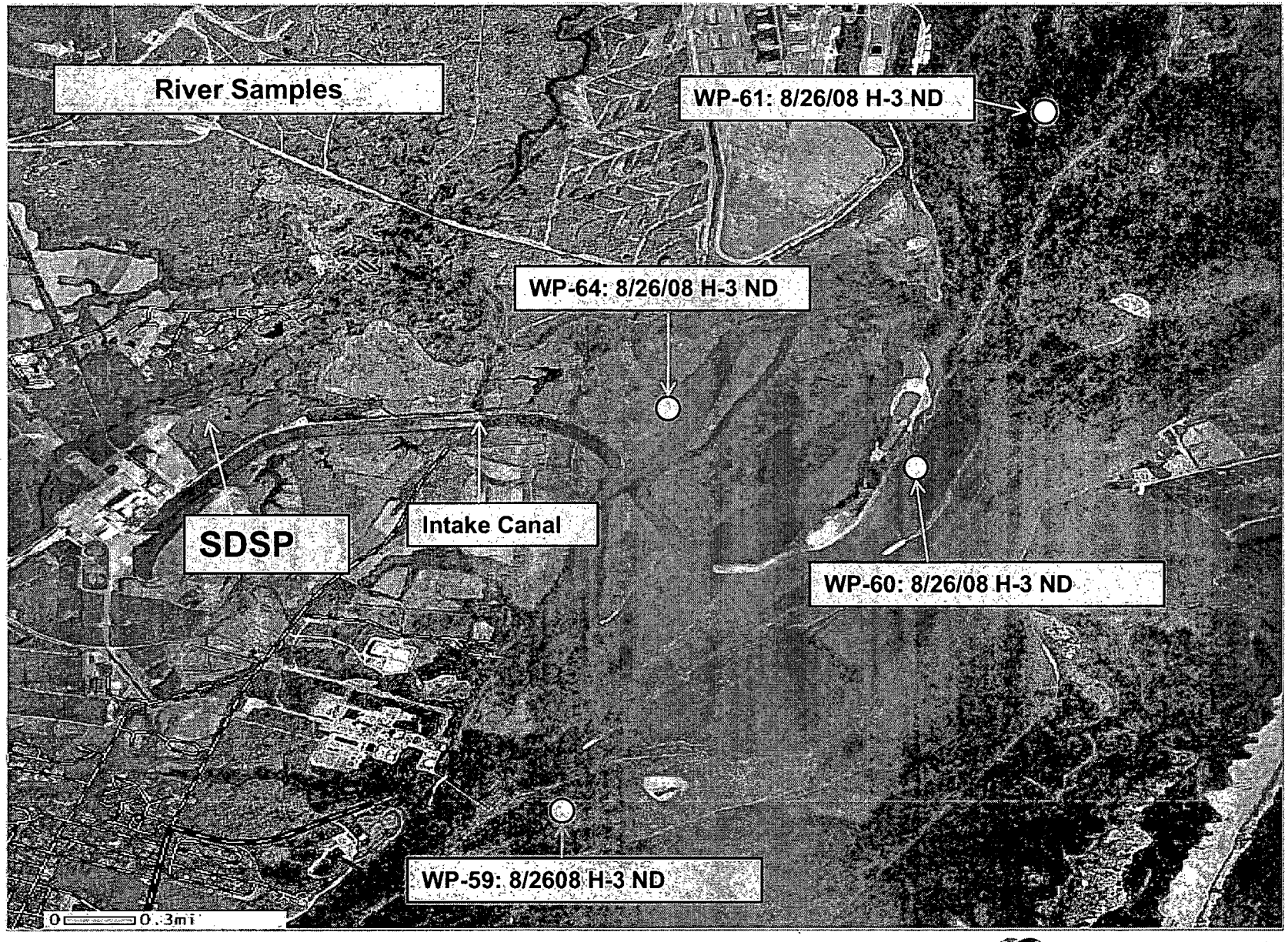
J-80

Marsh and River Tritium Sampling Locations

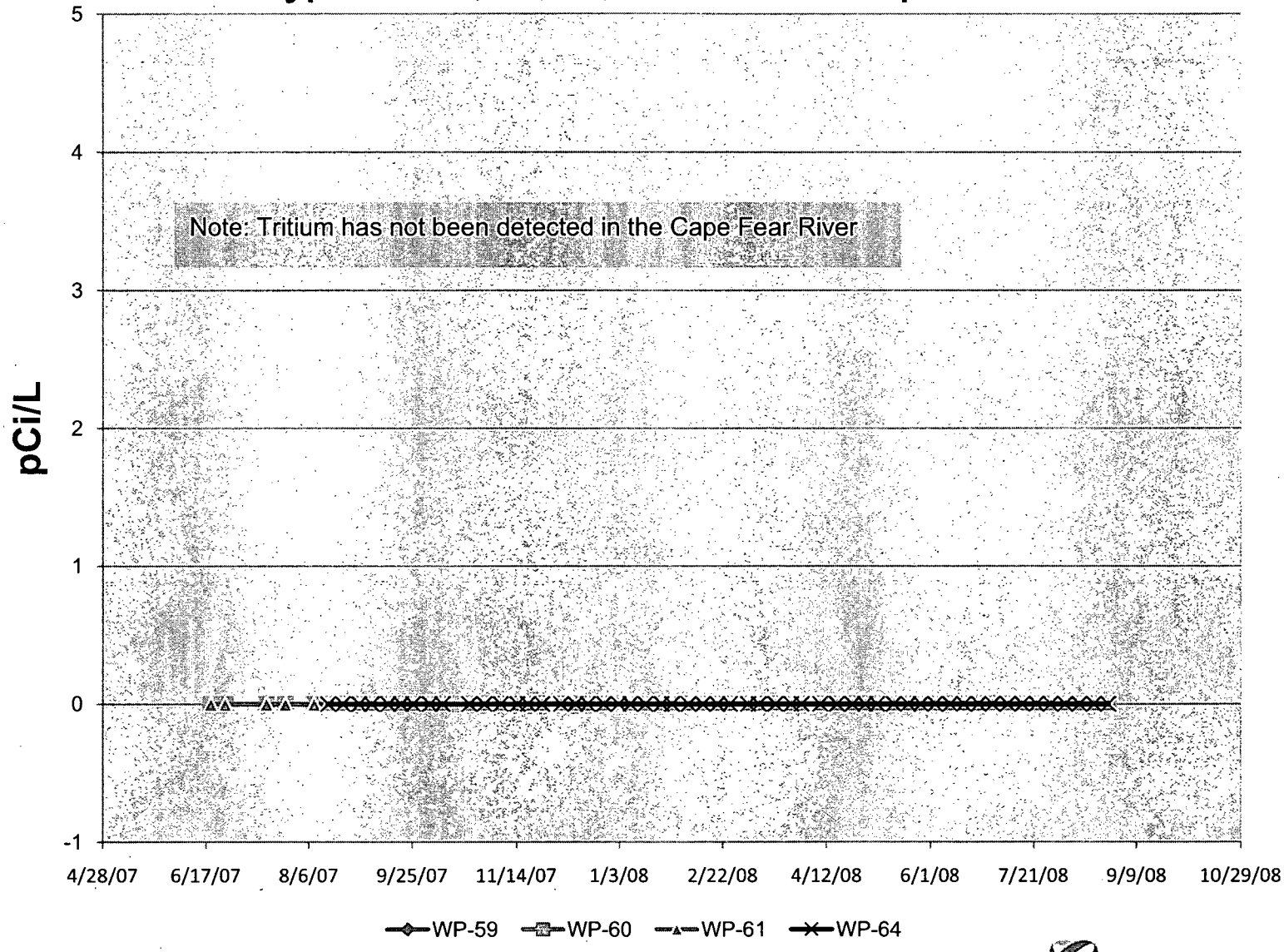
Updated 8/26/08

Progress Energy



Progress Energy

Waypoints 59, 60, 61, and 64 from Cape Fear River



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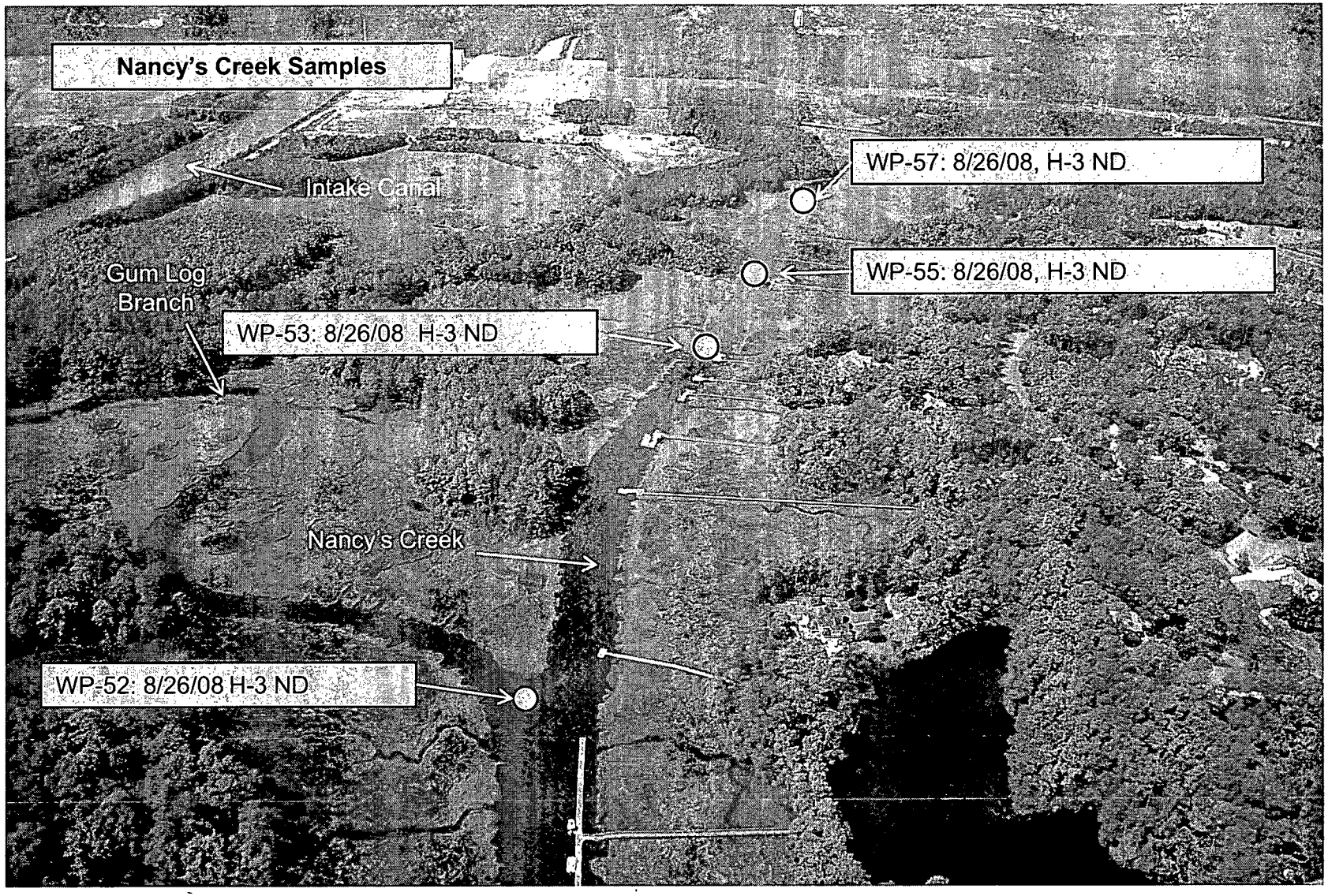
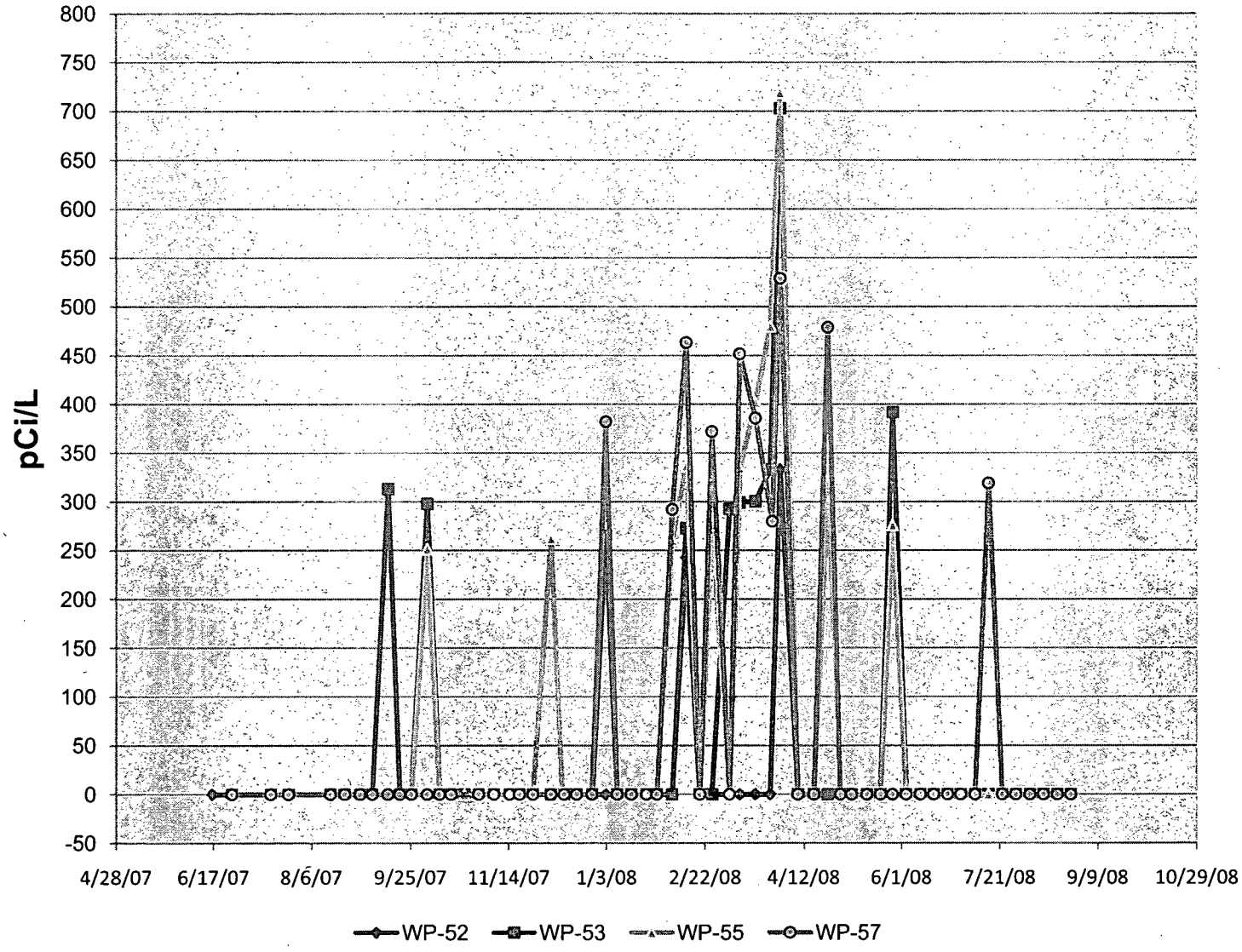


Progress Energy

Waypoints 52, 53, 55, and 57 in Nancy's Creek



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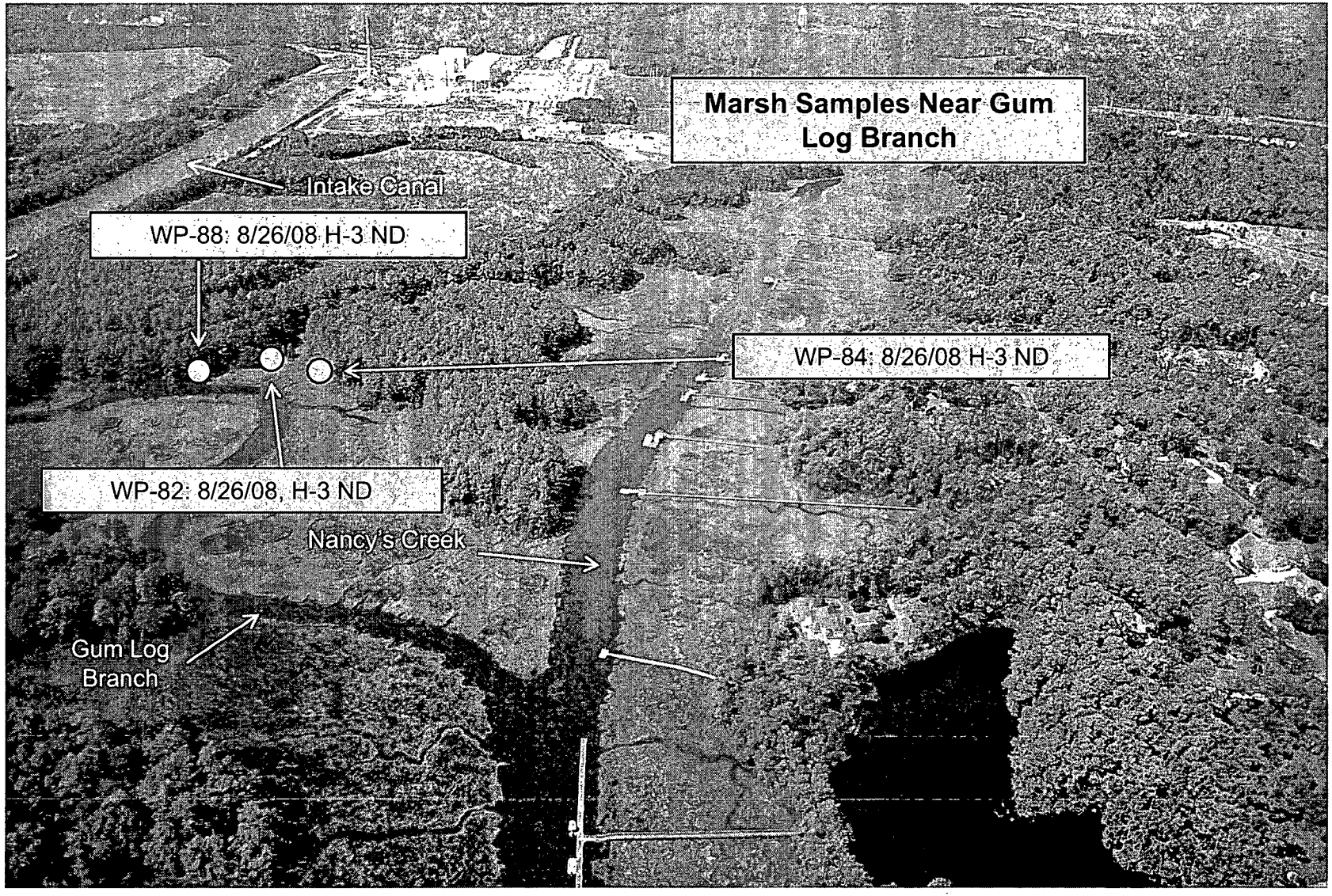
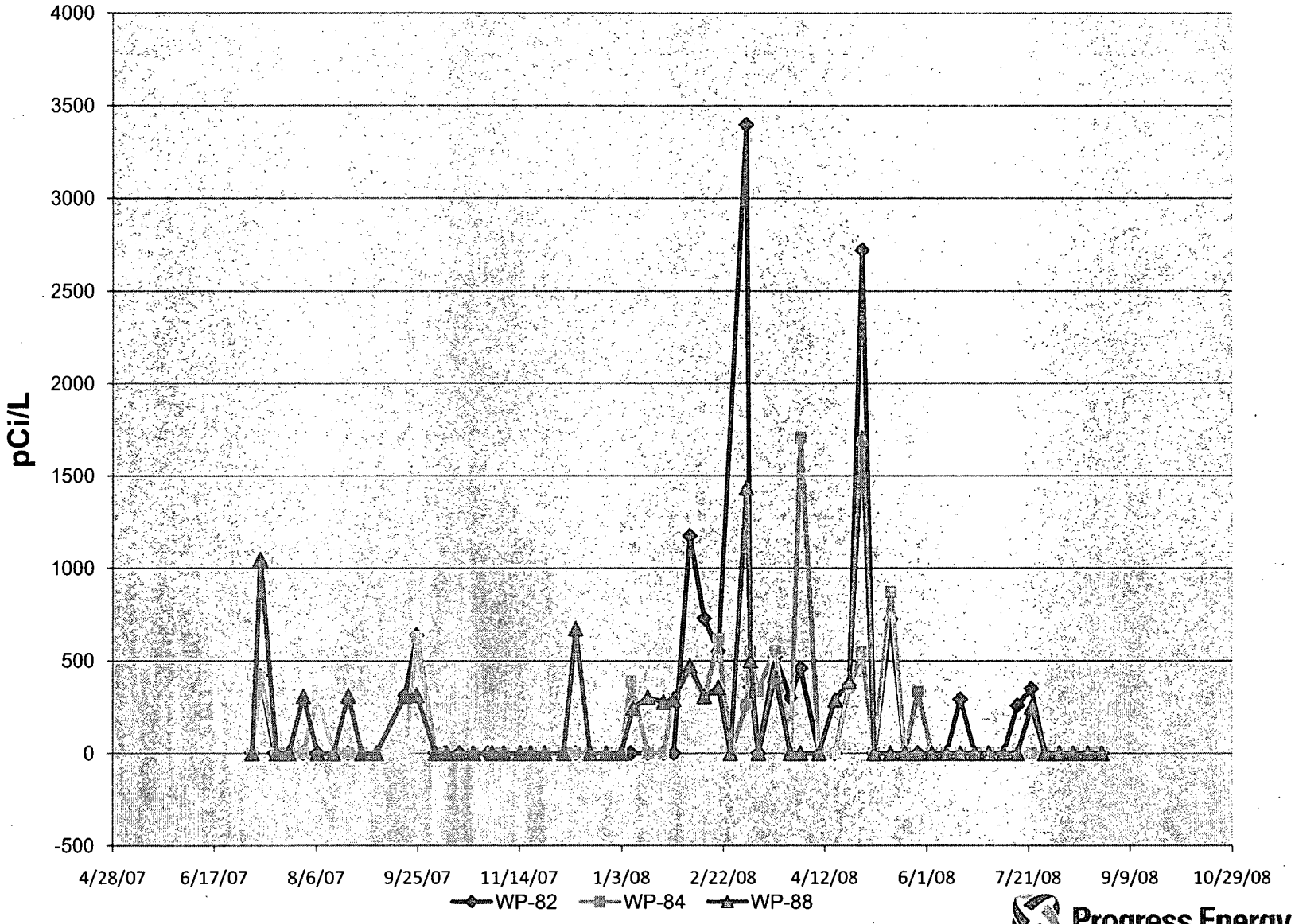


Progress Energy

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



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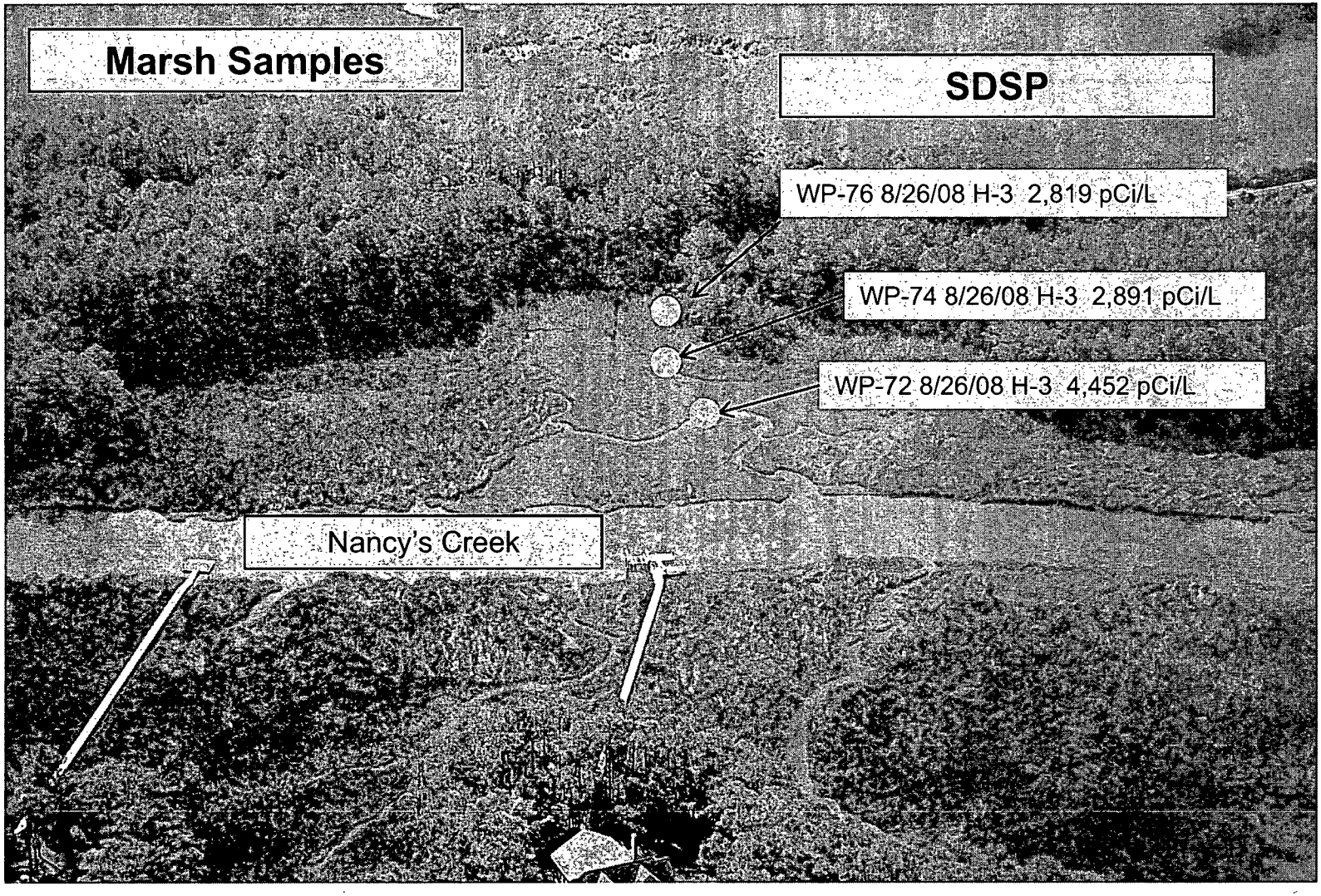
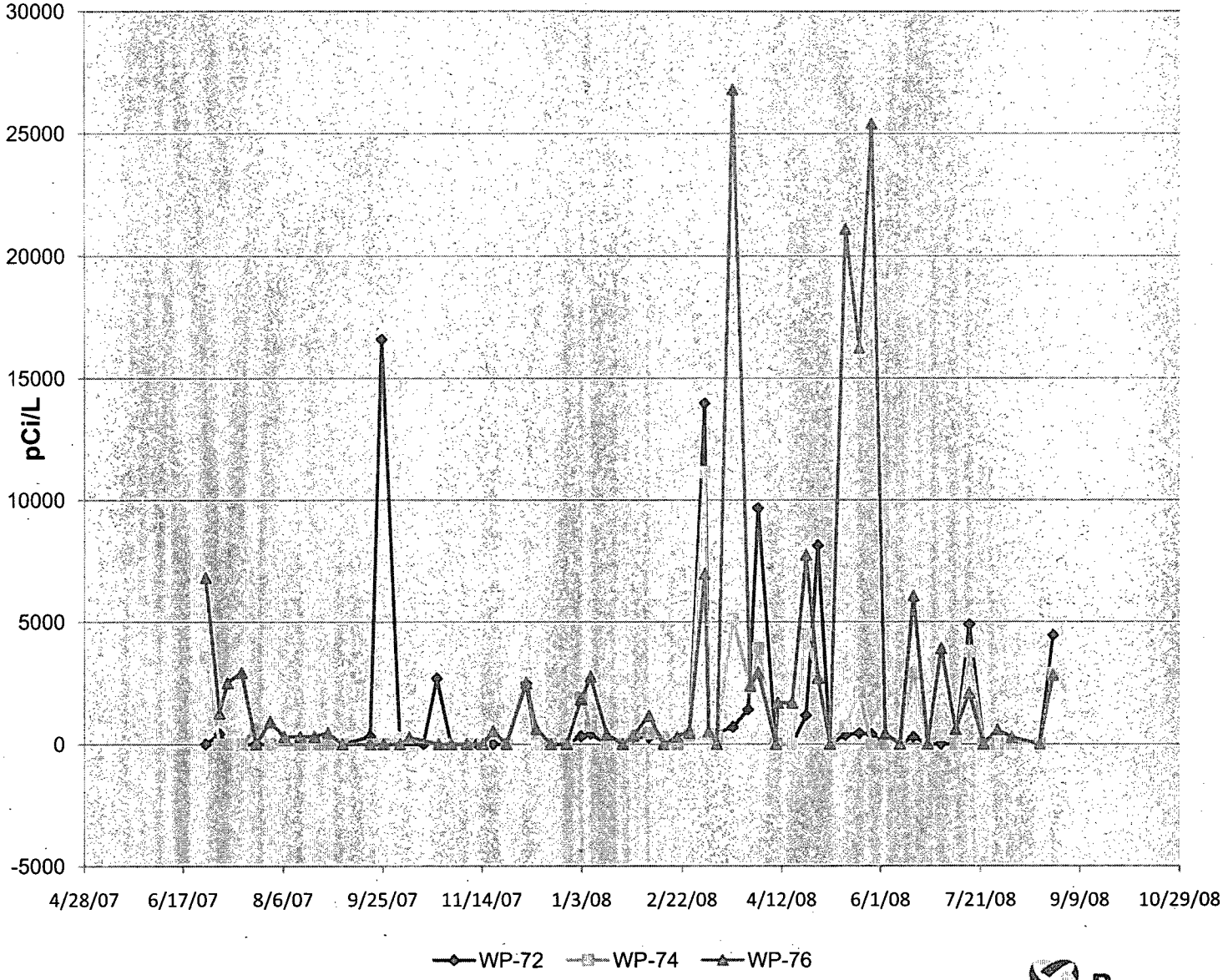


Progress Energy

Marsh Area Waypoints 72, 74, and 76



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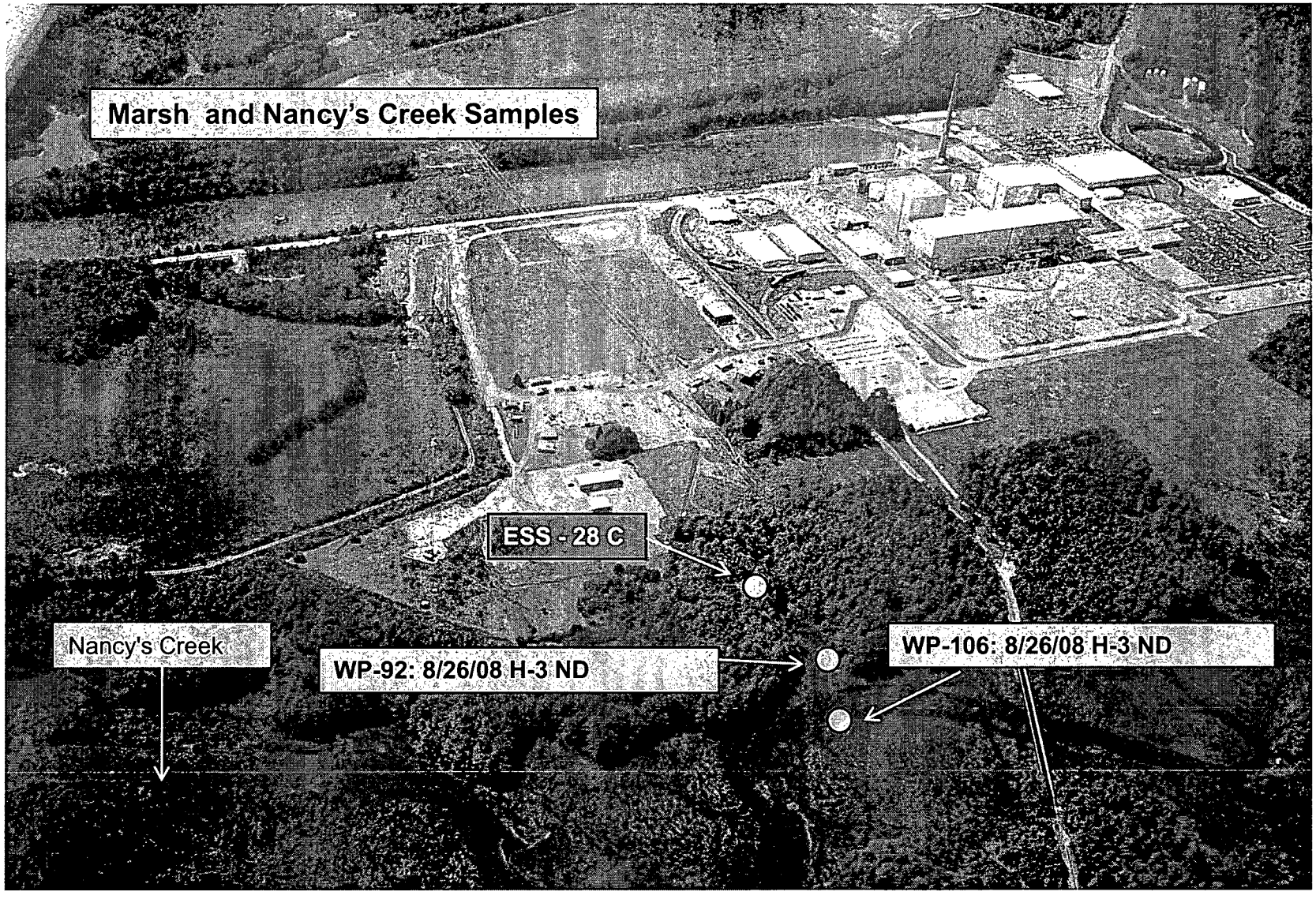
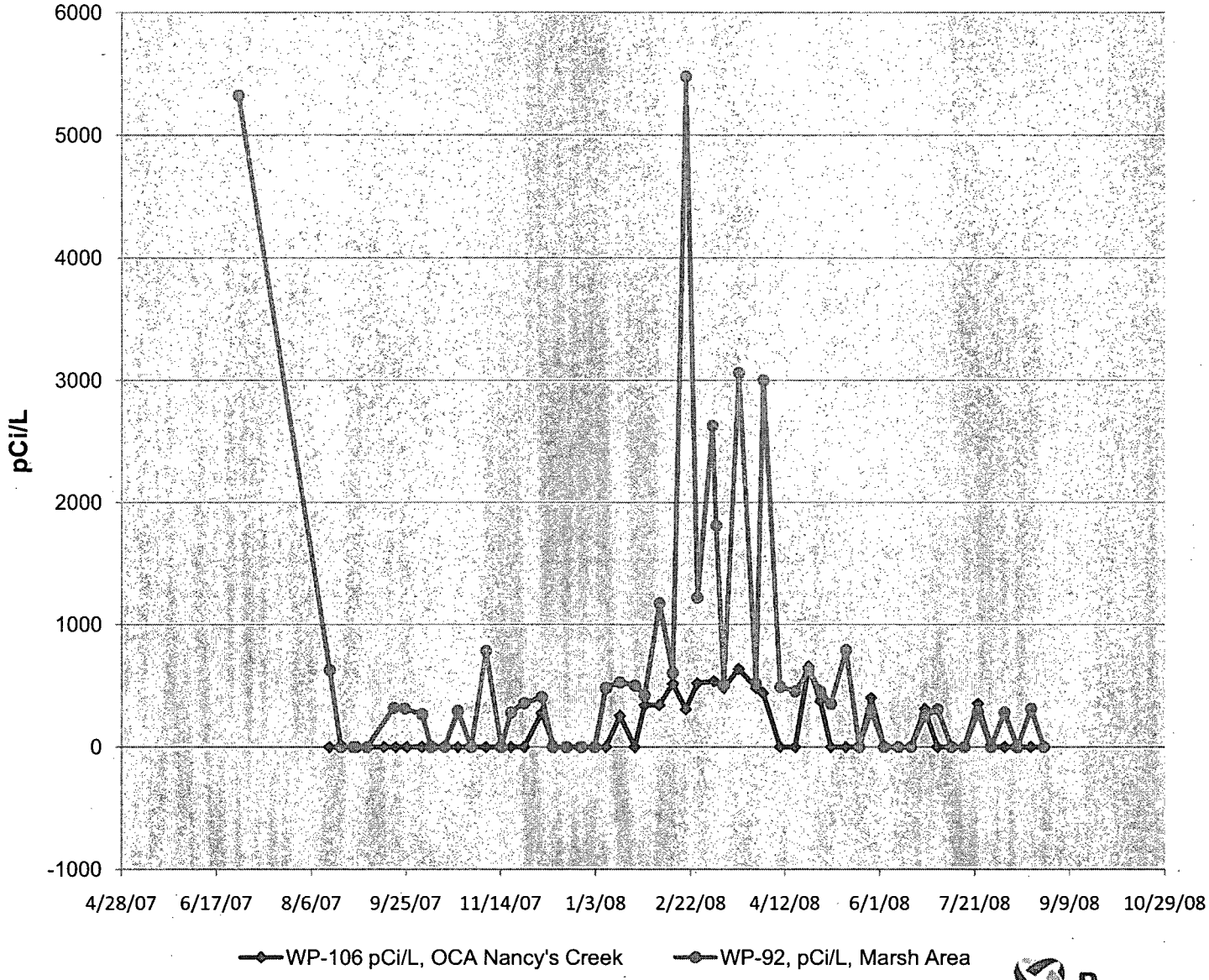


Progress Energy

Marsh Area Waypoints 92 and 106

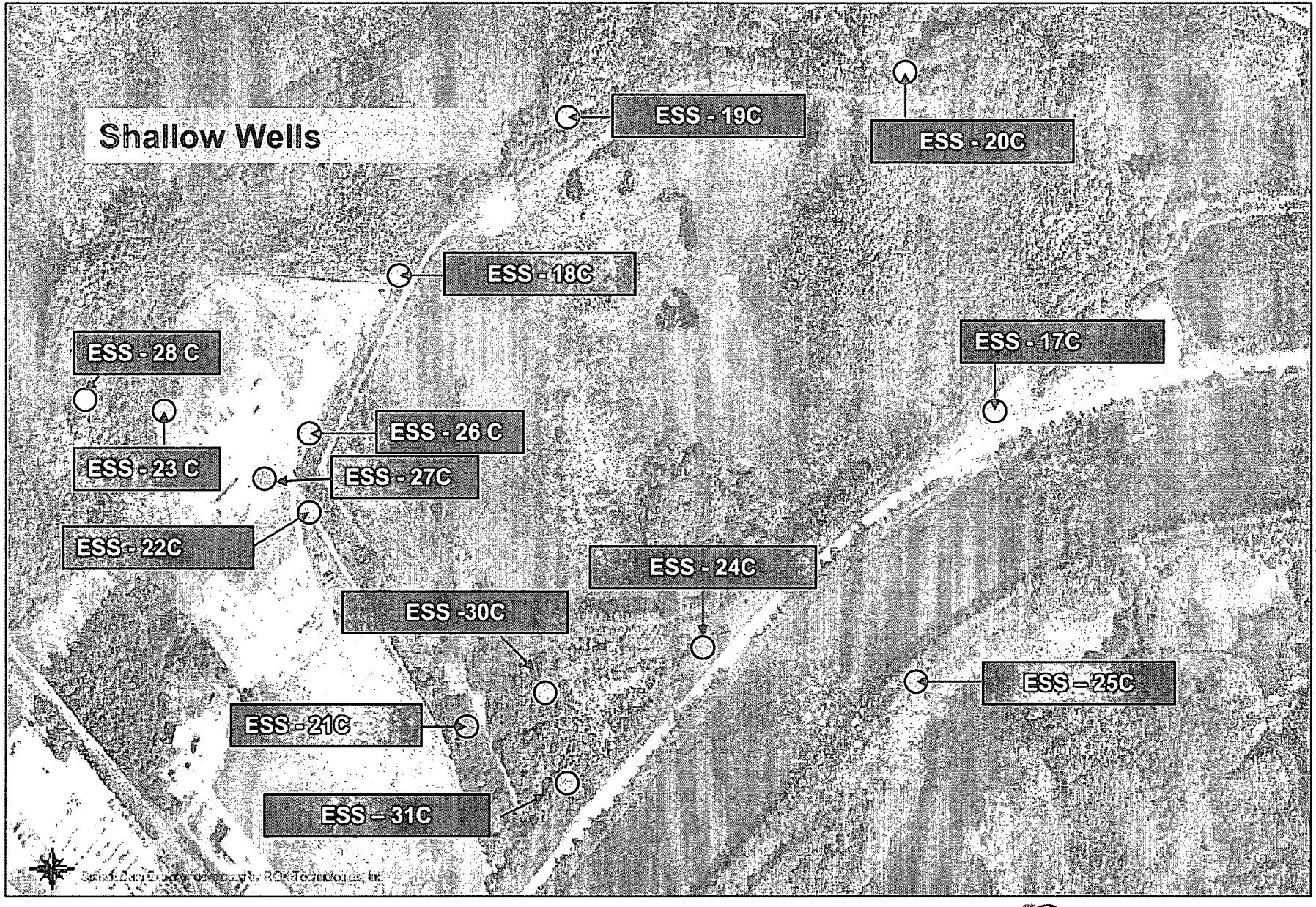


Progress Energy

Groundwater Well Sample Results

Updated 8/28/08

Progress Energy



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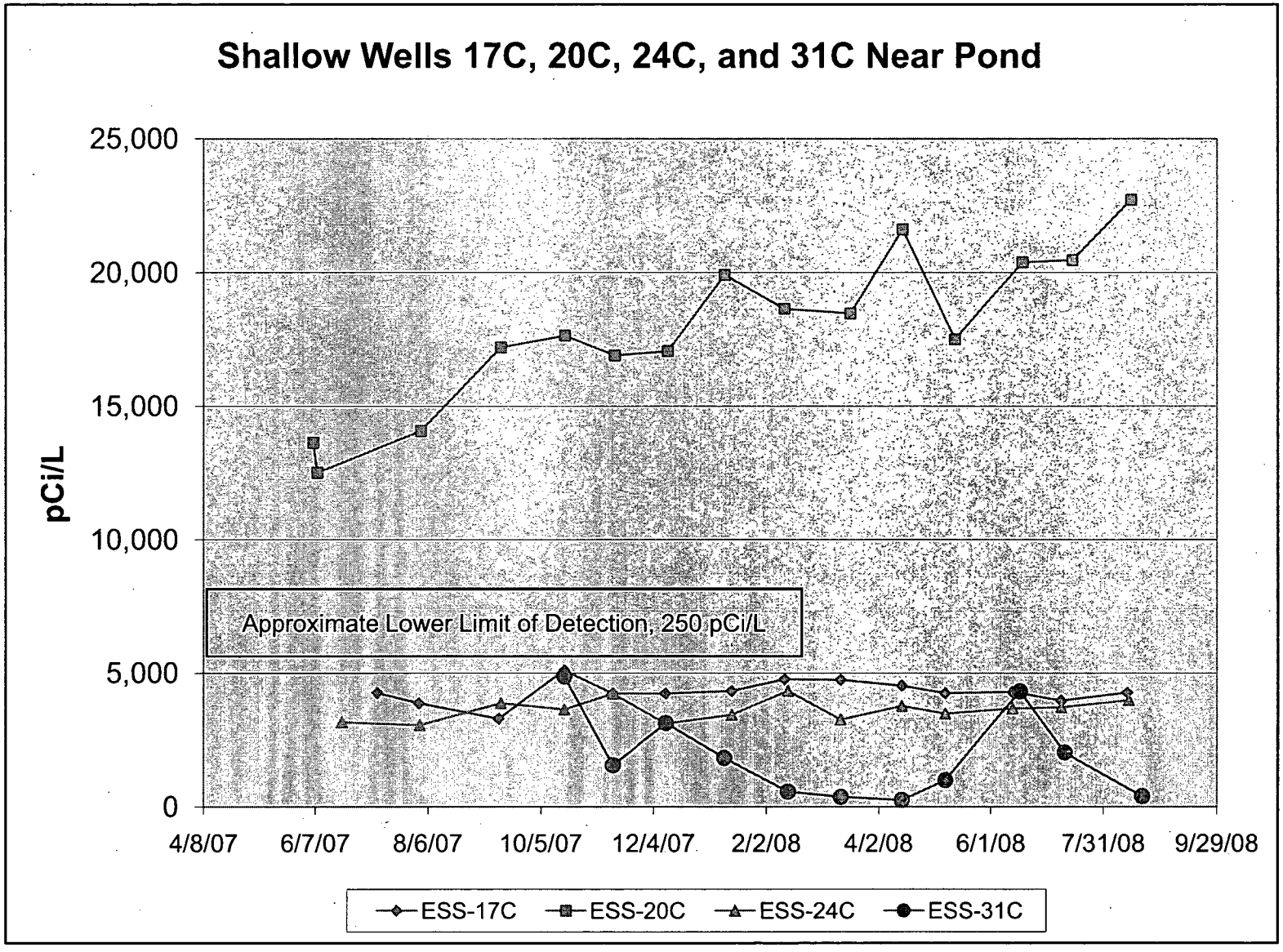

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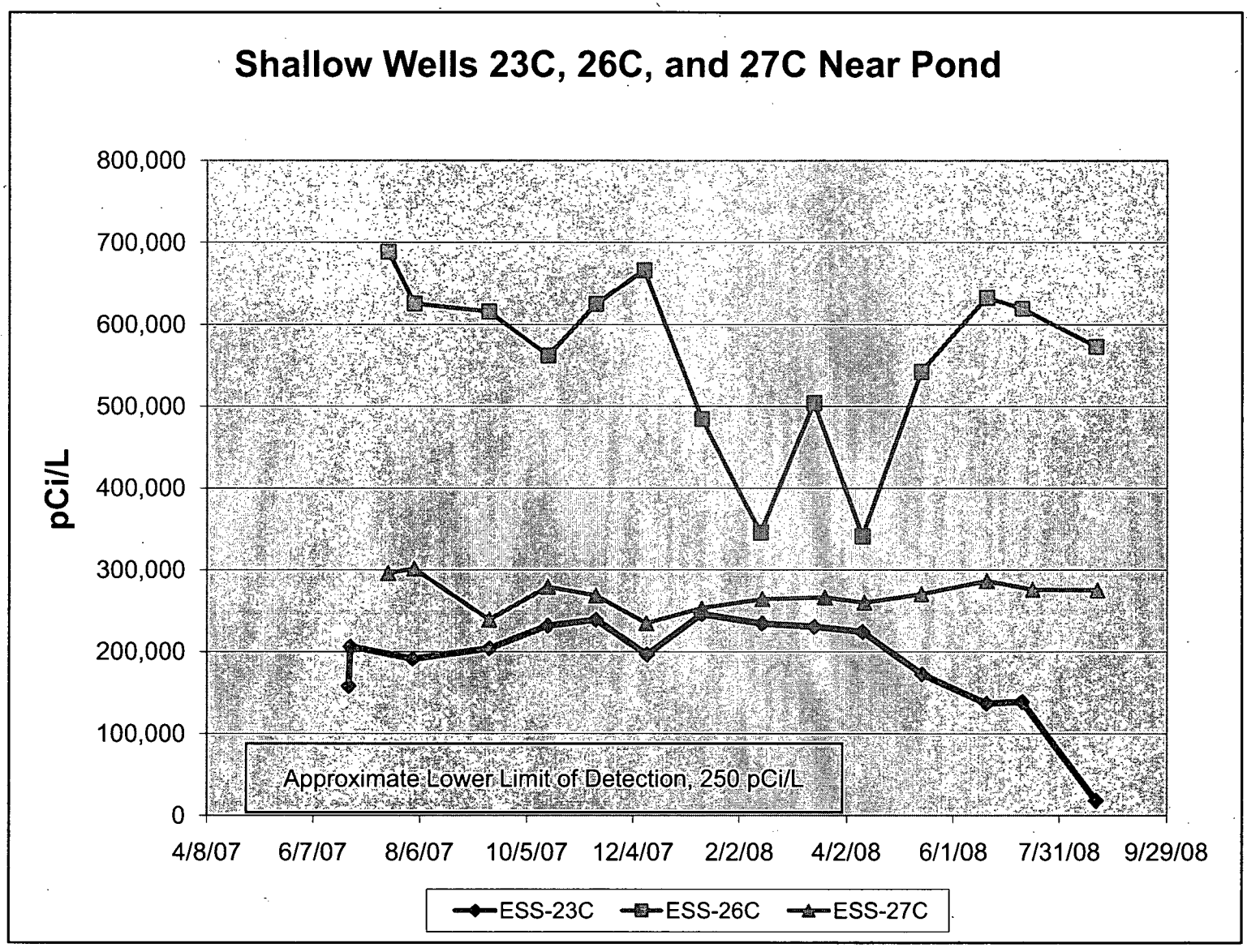

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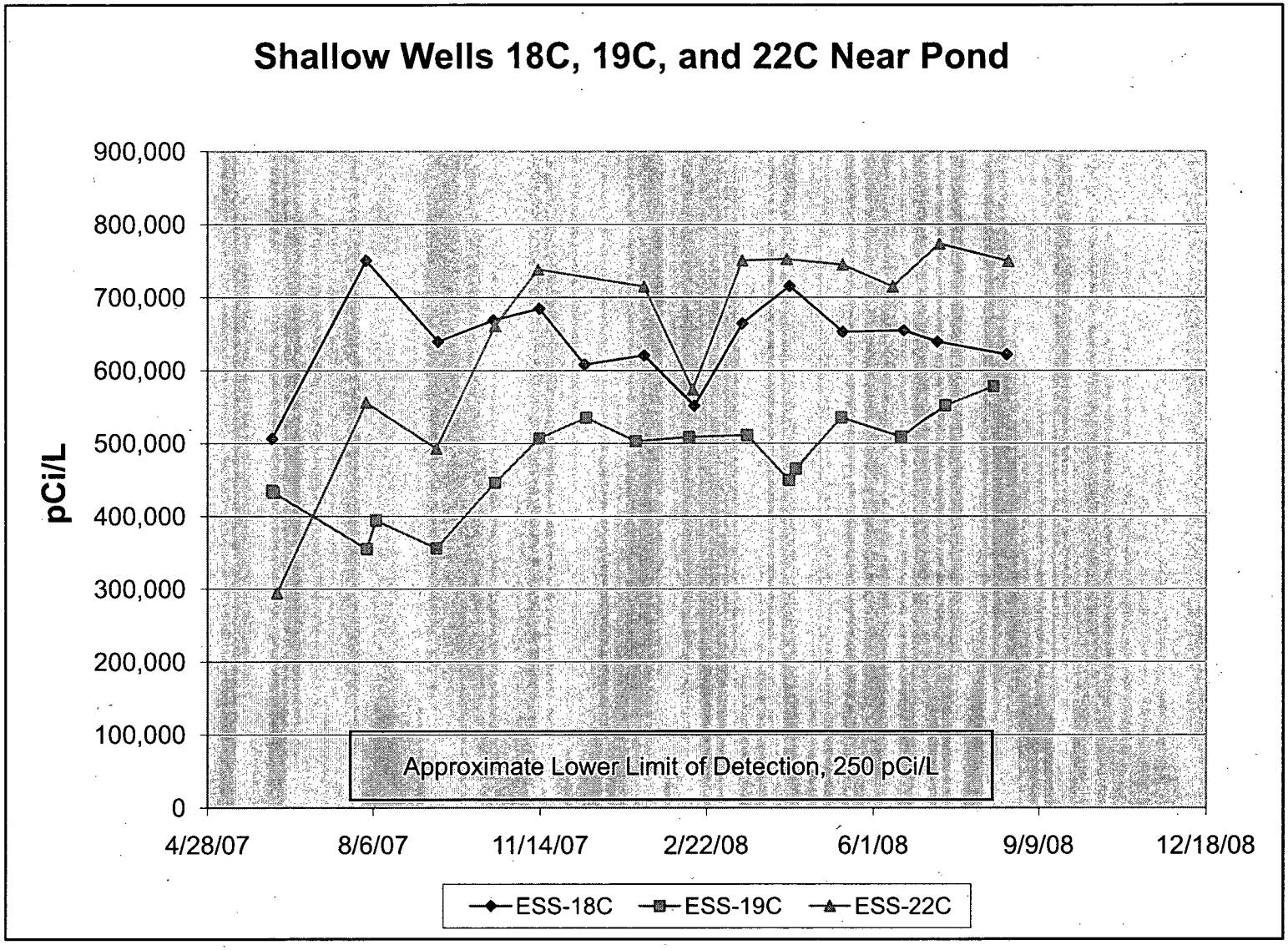

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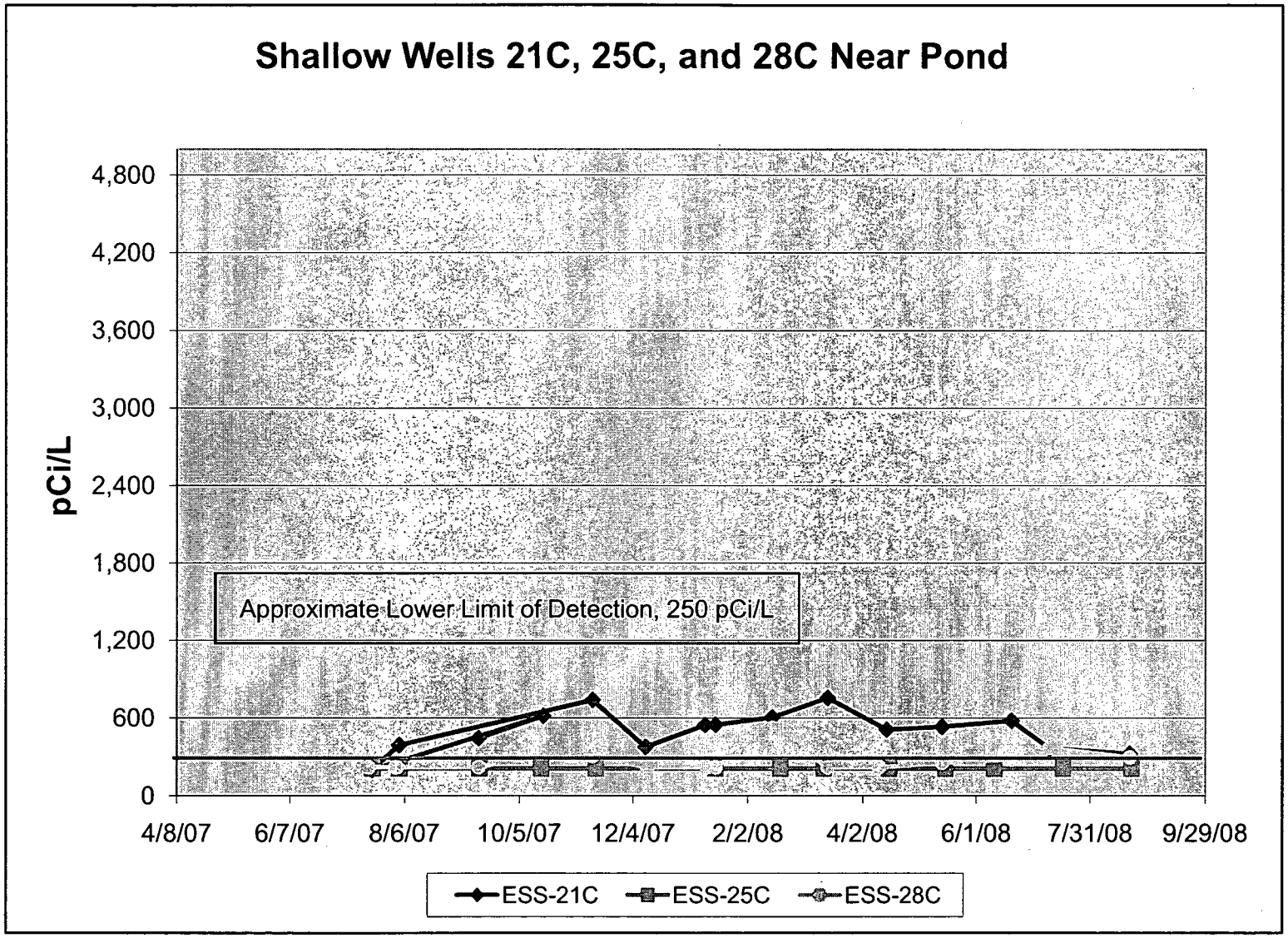

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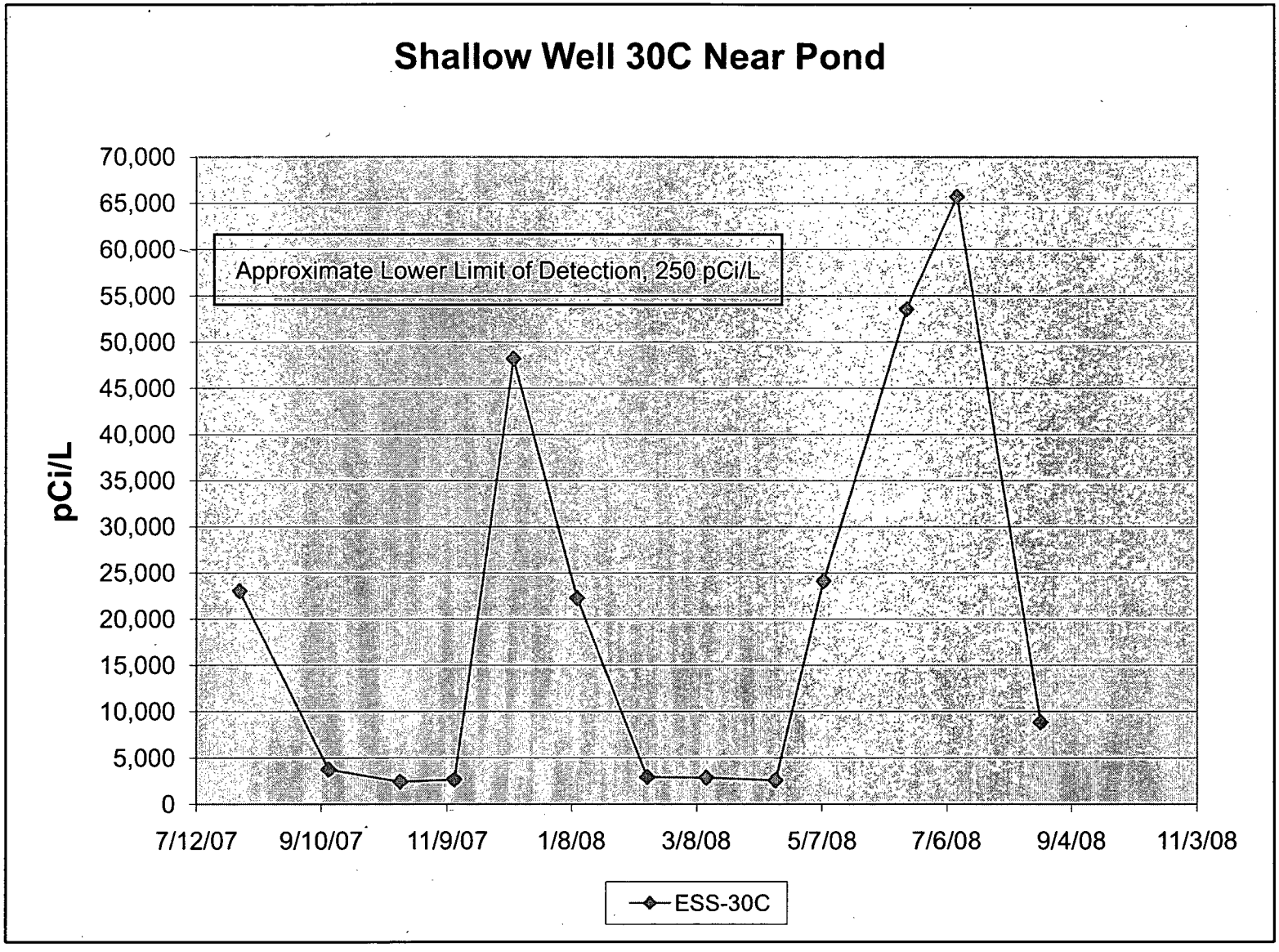

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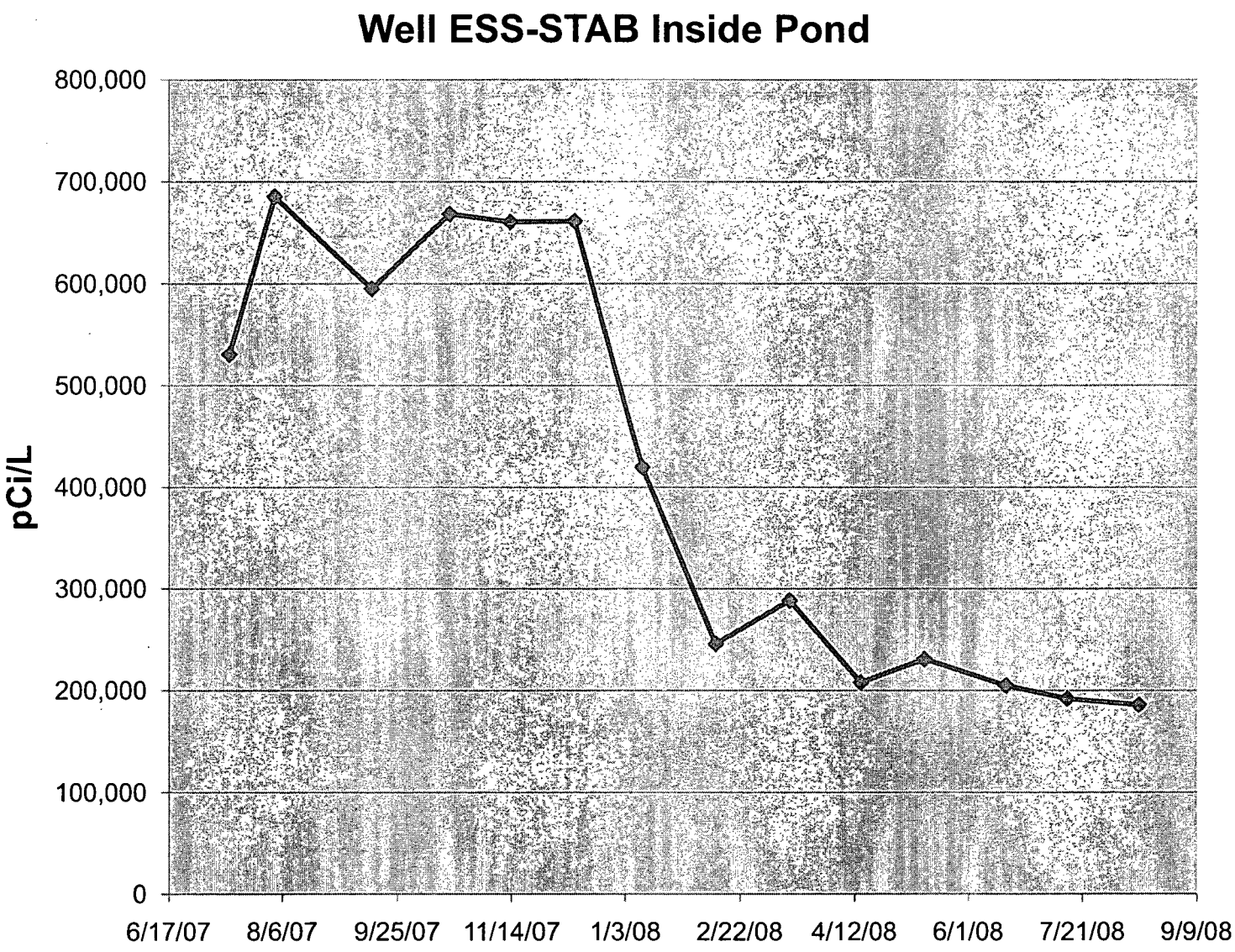


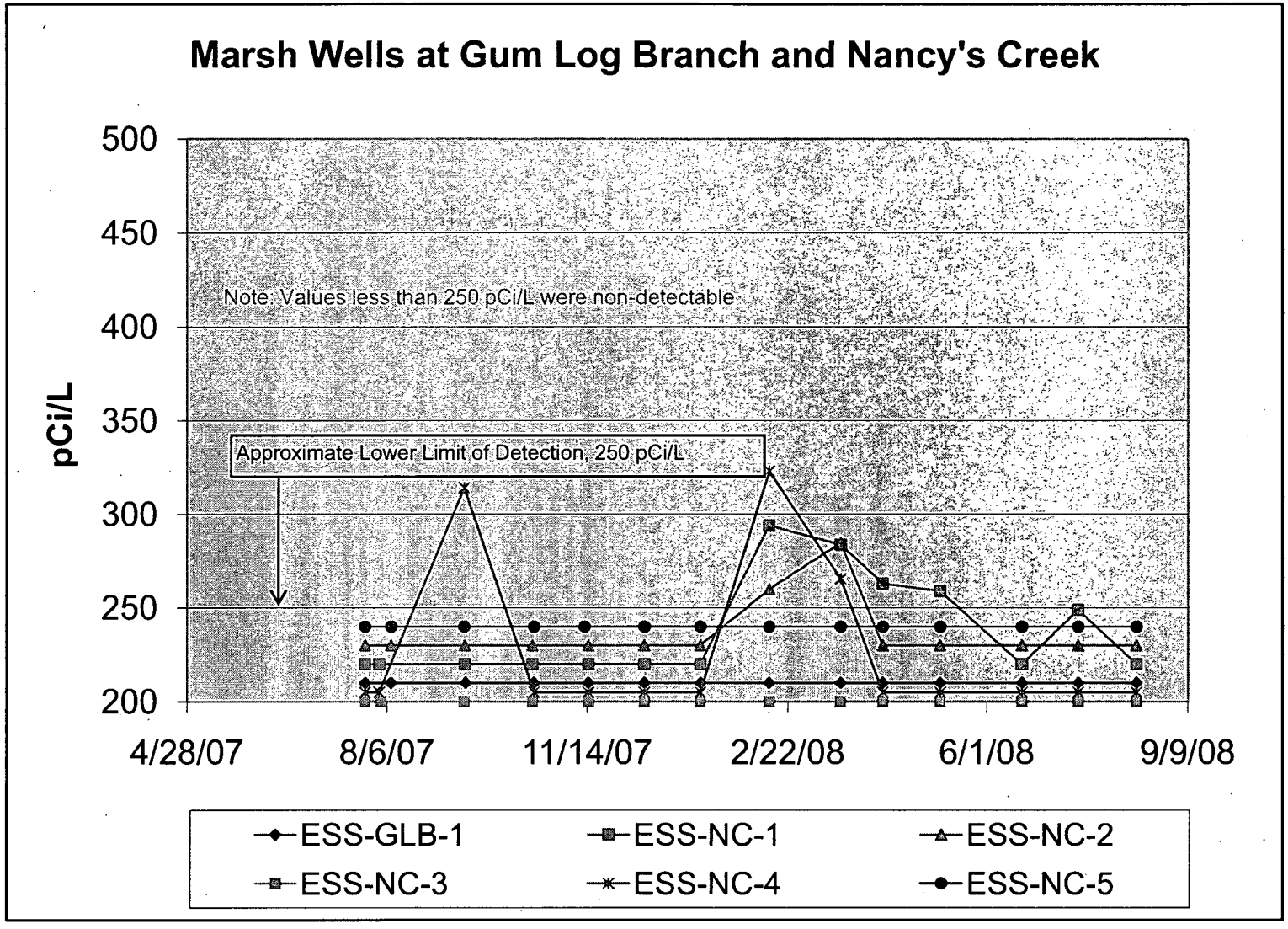
Progress Energy

Latest Shallow Well Data

Well	Well Depth (ft)	Sample Date	Sample Results (pCi/L)
ESS-17C	26	8/12/08	4,264
ESS-18C	20	8/20/08	621,900
ESS-19C	20	8/12/08	578,200
ESS-20C	20.5	8/14/08	22,715
ESS-21C	20	8/13/08	325
ESS-22C	20	8/21/08	749,800
ESS-23C	23	8/20/08	18,130
ESS-24C	18	8/13/08	3,985
ESS-25C	22	8/21/08	<LLD
ESS-26C	15	8/20/08	573,200
ESS-27C	15.5	8/21/08	275,300
ESS-28C	23	8/20/08	297
ESS-30C	15	8/20/08	8,842
ESS-31C	15	8/20/08	398
ESS-STAB	31	8/14/08	186,000

Progress Energy

Progress Energy

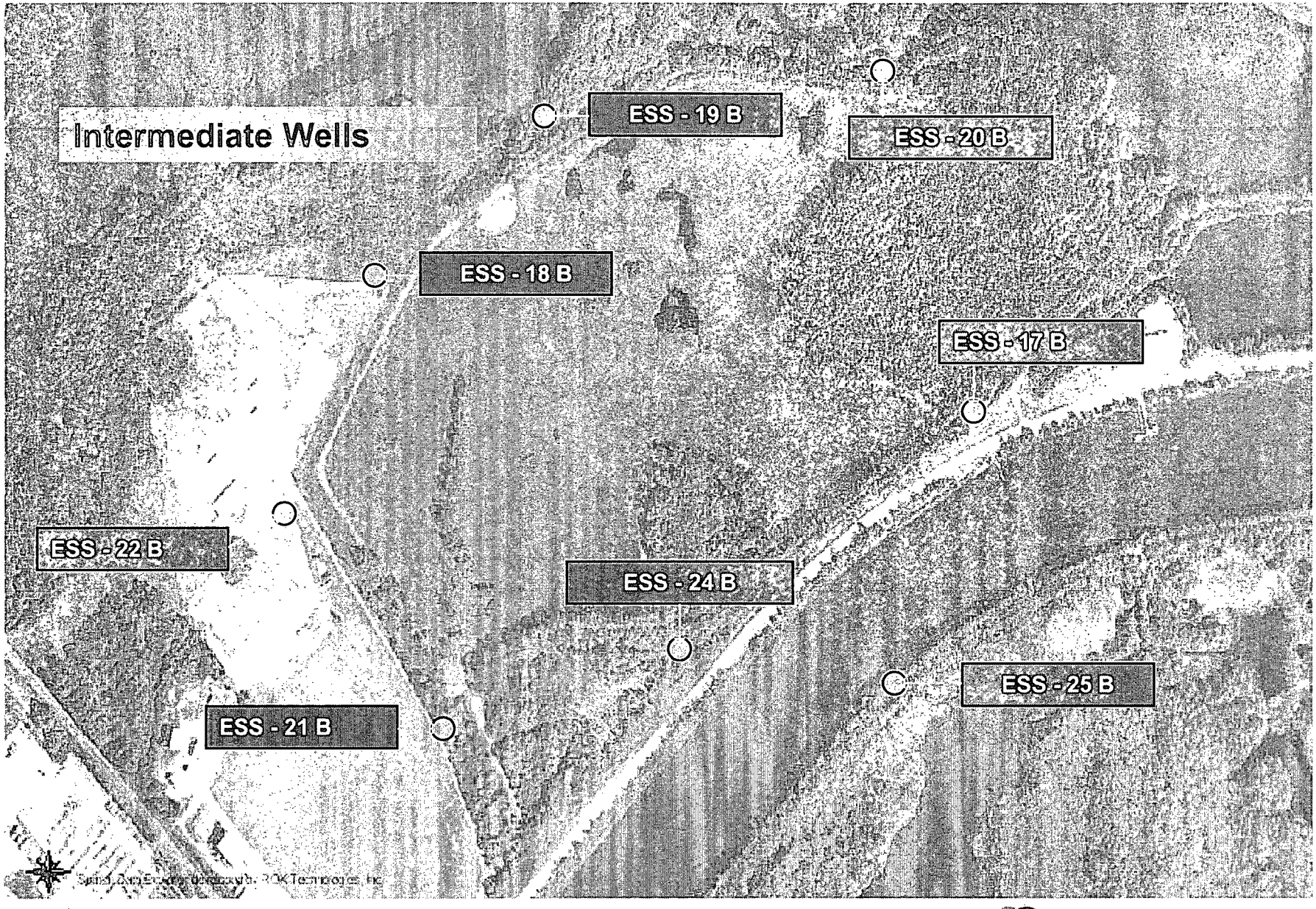


Progress Energy

Latest Marsh Well Data

Well	Well Depth (ft)	Sample Date	Tritium Sample Results (pCi/L)
ESS-NC-1	7.5	8/14/08	<LLD
ESS-NC-2	8	8/14/08	<LLD
ESS-NC-3	8	8/14/08	<LLD
ESS-NC-4	8	8/14/08	<LLD
ESS-NC-5	8	8/14/08	<LLD
ESS-GLB-1	8	8/14/08	<LLD

Progress Energy



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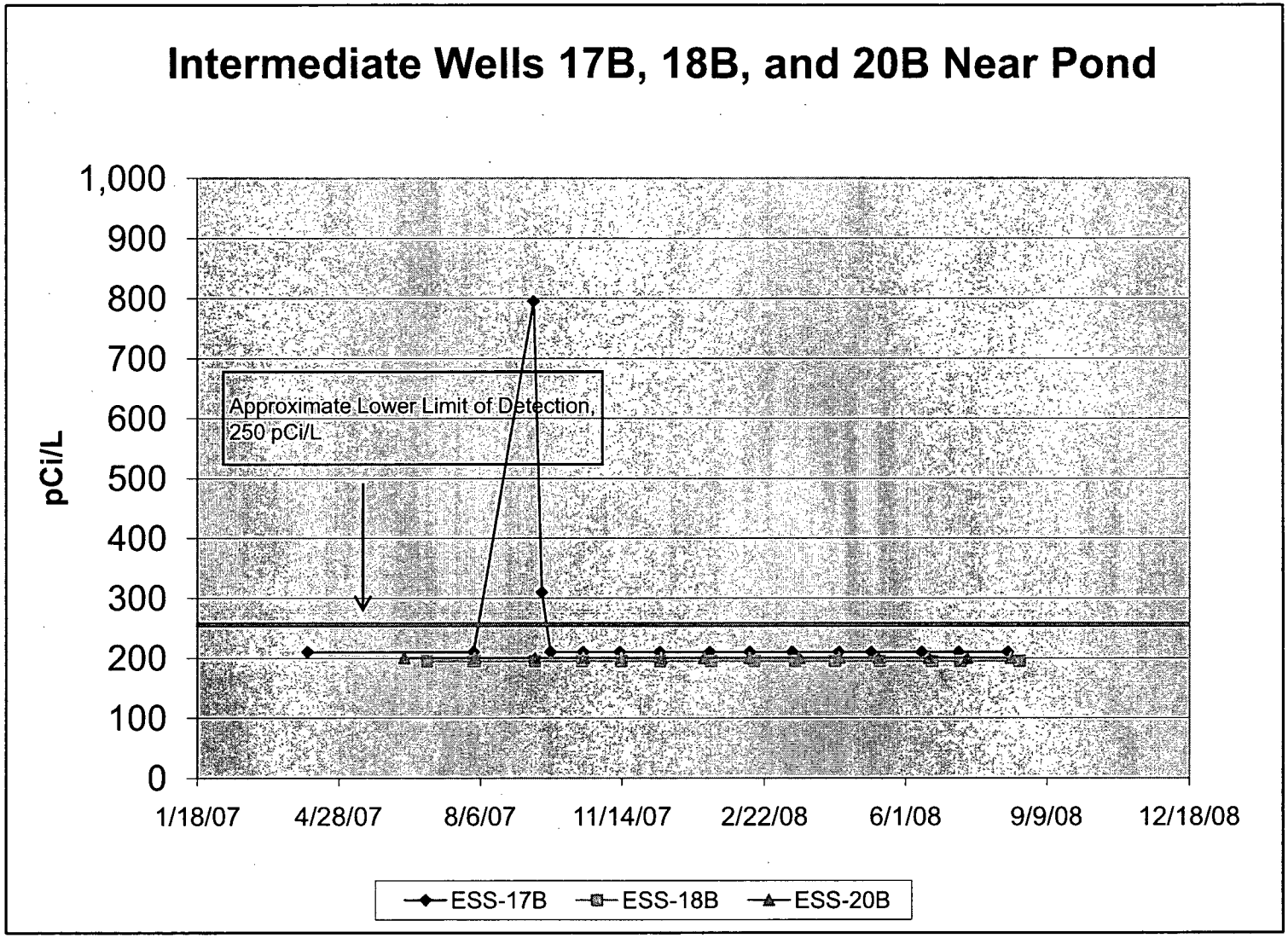

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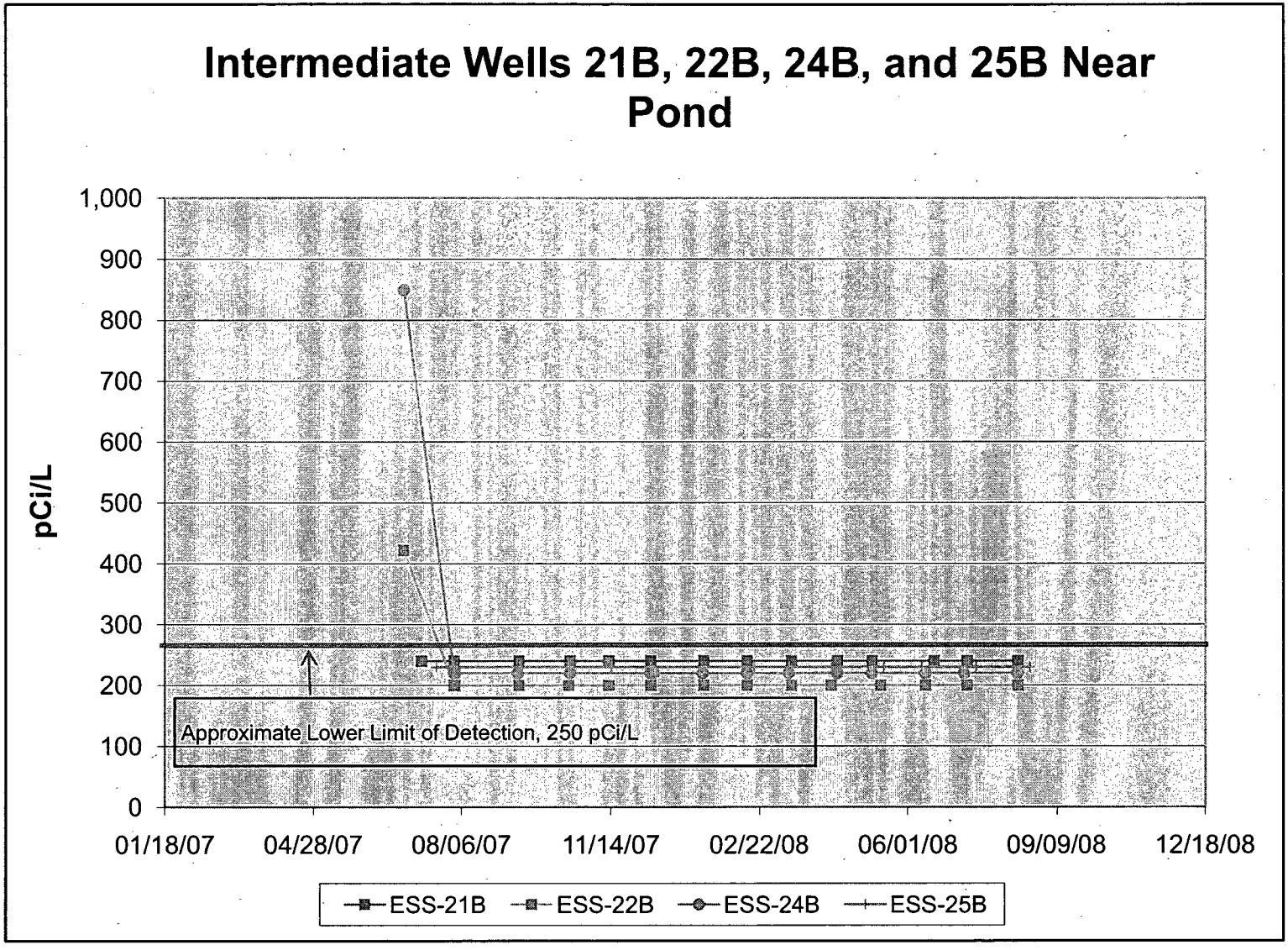

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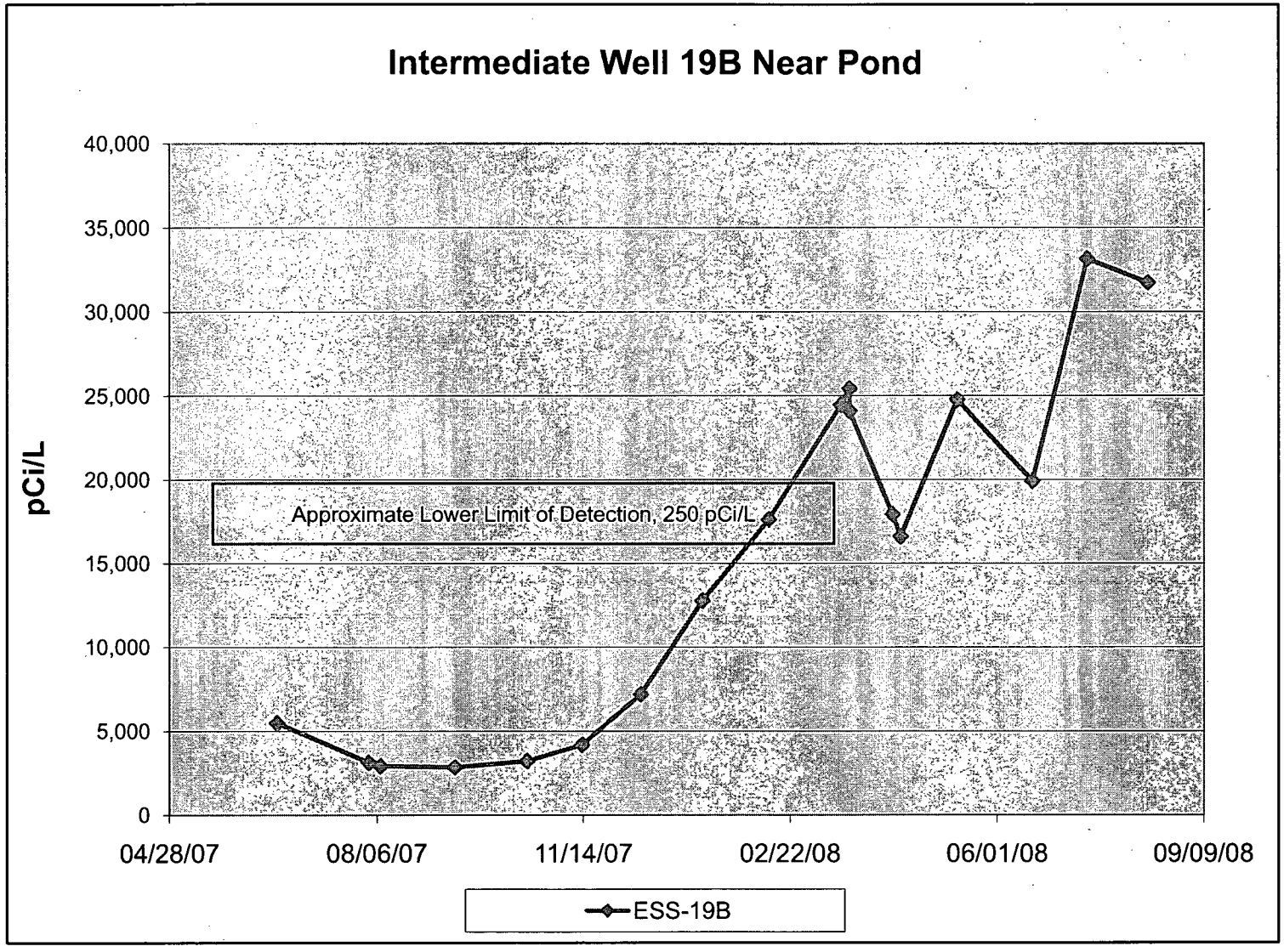
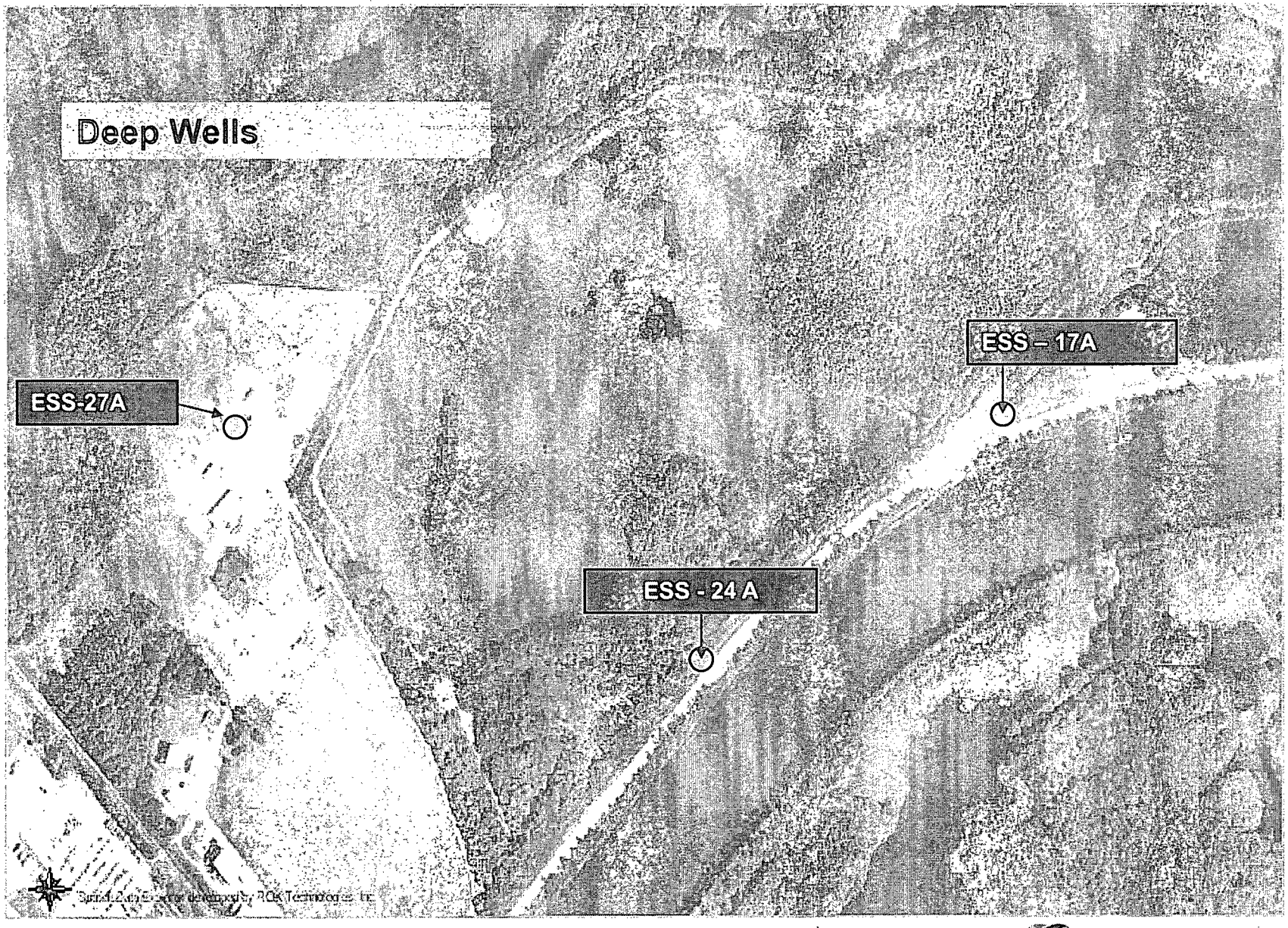


Progress Energy

Latest Intermediate Well Sample Data

Well	Well Depth (ft)	Sample Date	Sample Results (pCi/L)
ESS-17B	53	8/12/08	<LLD
ESS-18B	63	8/20/08	<LLD
ESS-19B	42	8/12/08	31,740
ESS-20B	43	8/14/08	<LLD
ESS-21B	67	8/13/08	<LLD
ESS-22B	76	8/13/08	<LLD
ESS-24B	53	8/13/08	<LLD
ESS-25B	43	8/21/08	<LLD

Progress Energy



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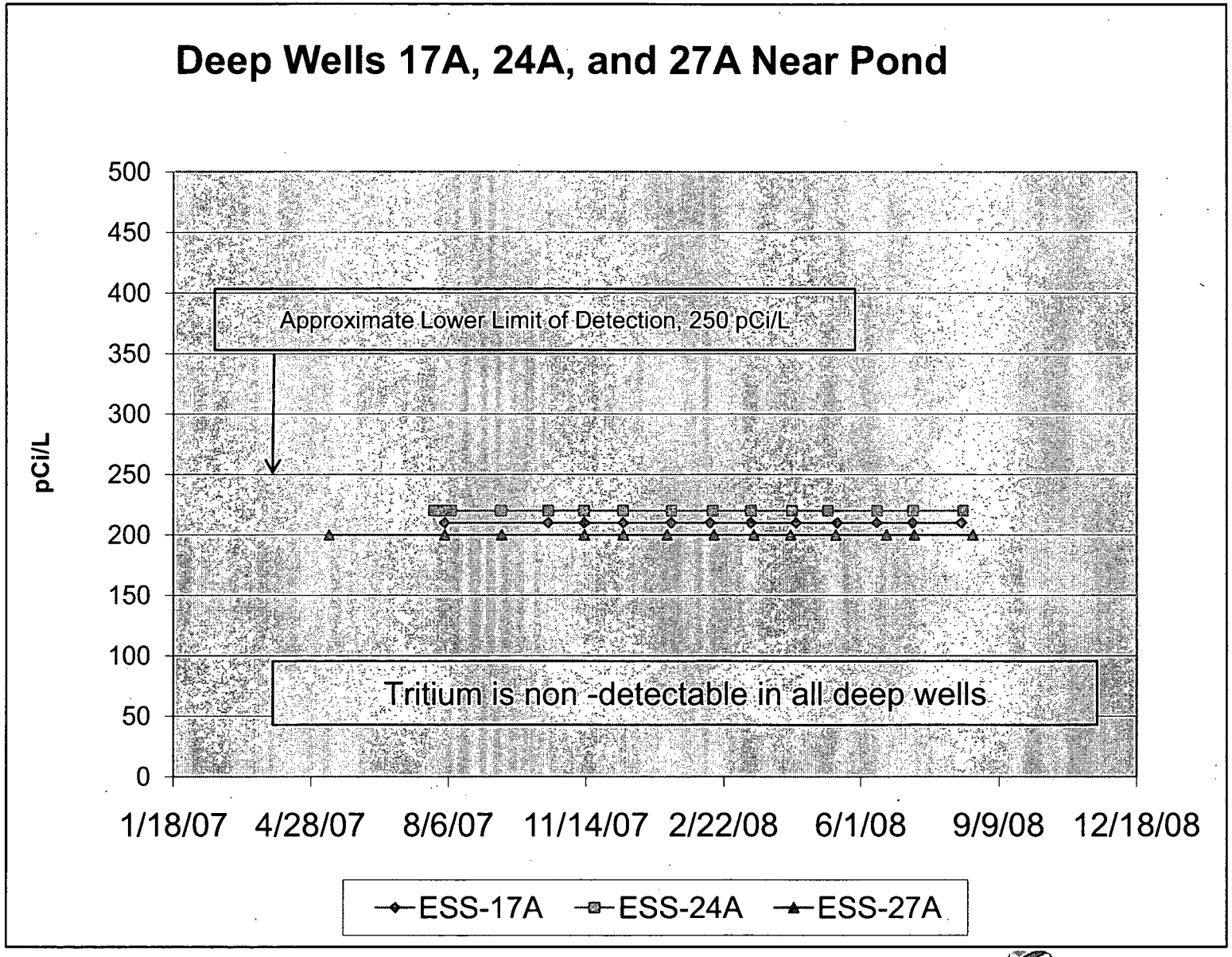
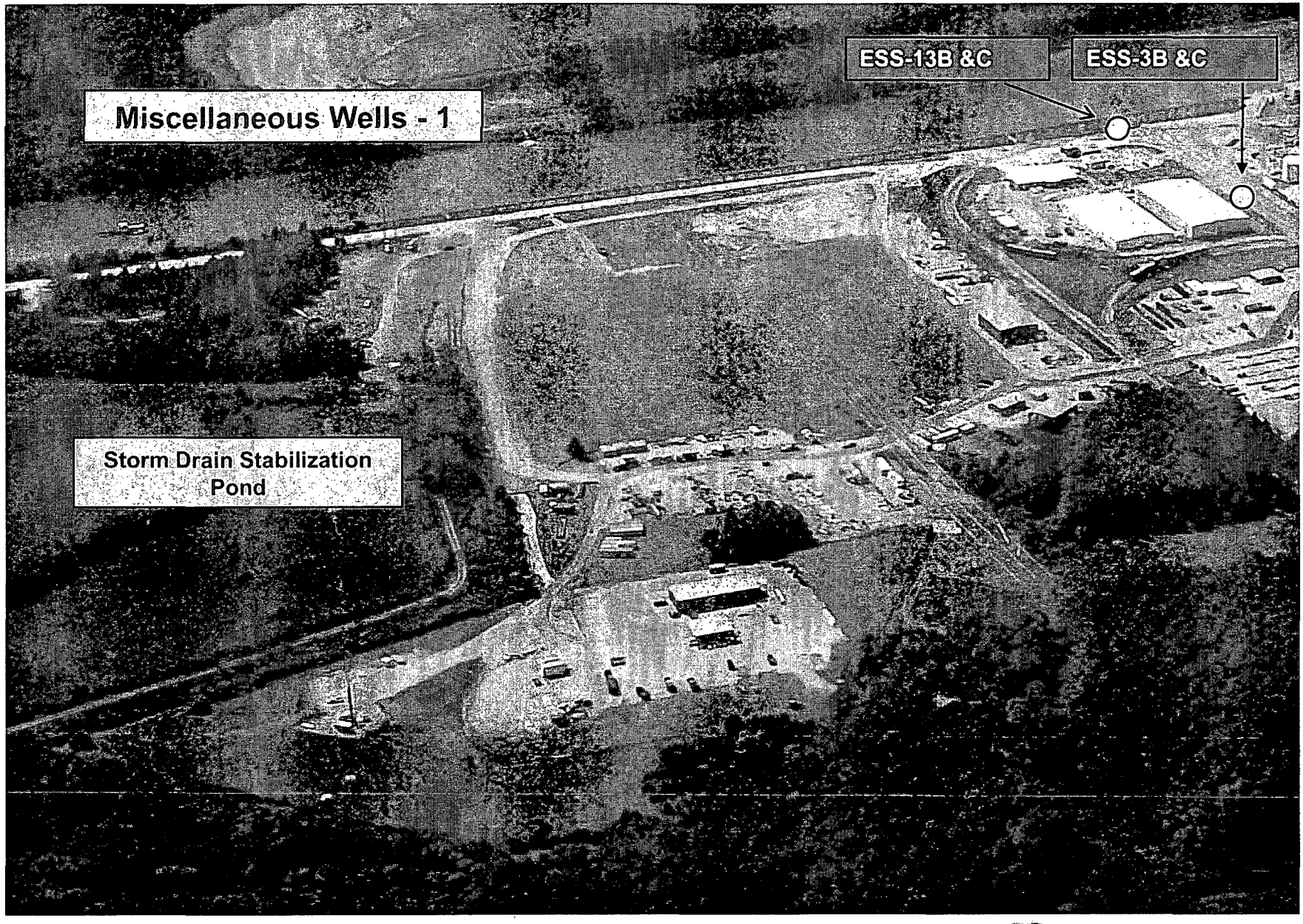


Progress Energy

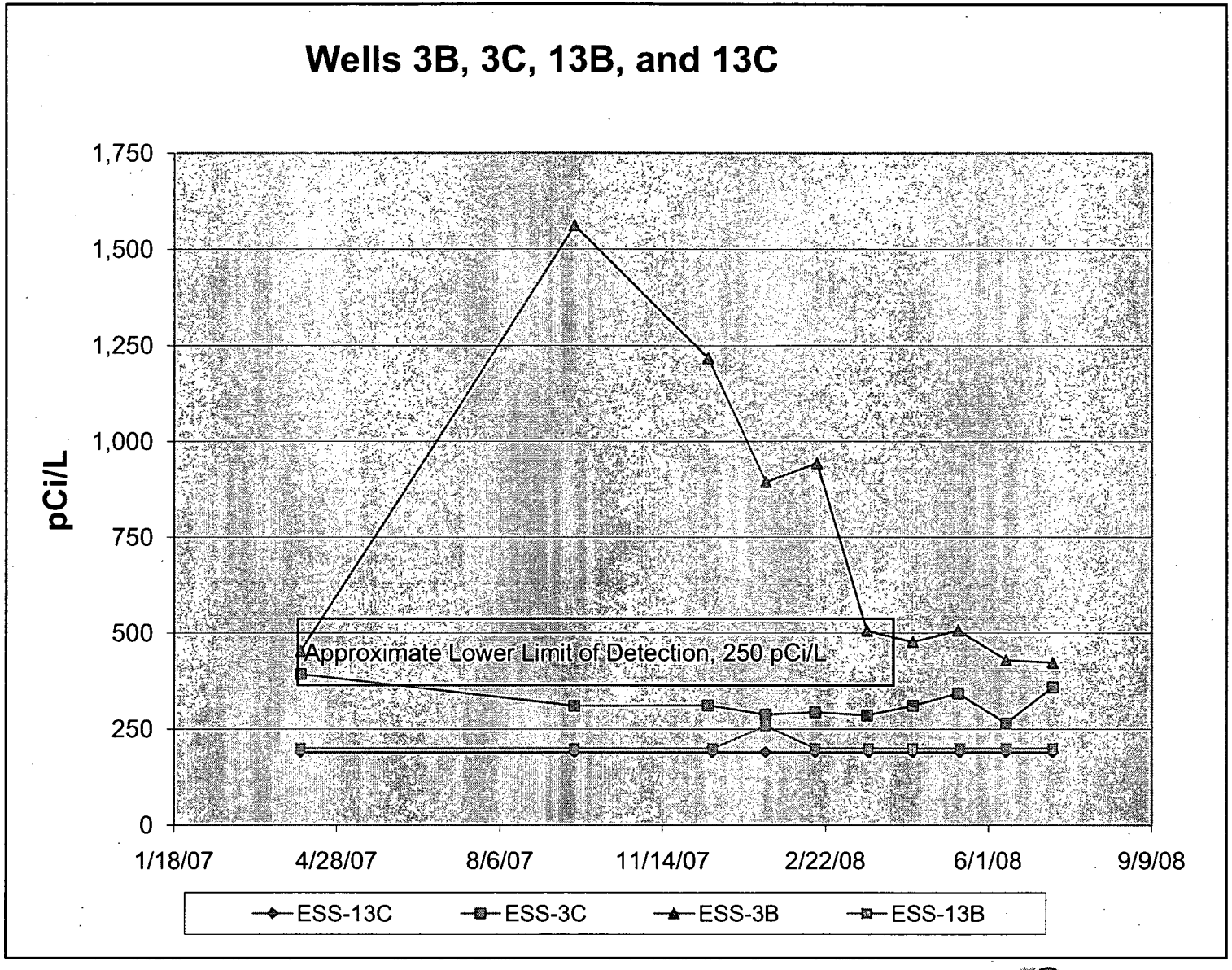
Latest Deep Well Sample Data

Well	Well Depth (ft)	Sample Date	Tritium Sample Results (pCi/L)
ESS-17A	150	8/12/08	<LLD
ESS-24A	140	8/13/08	<LLD
ESS-27A	140	8/20//08	<LLD

Progress Energy



Progress Energy

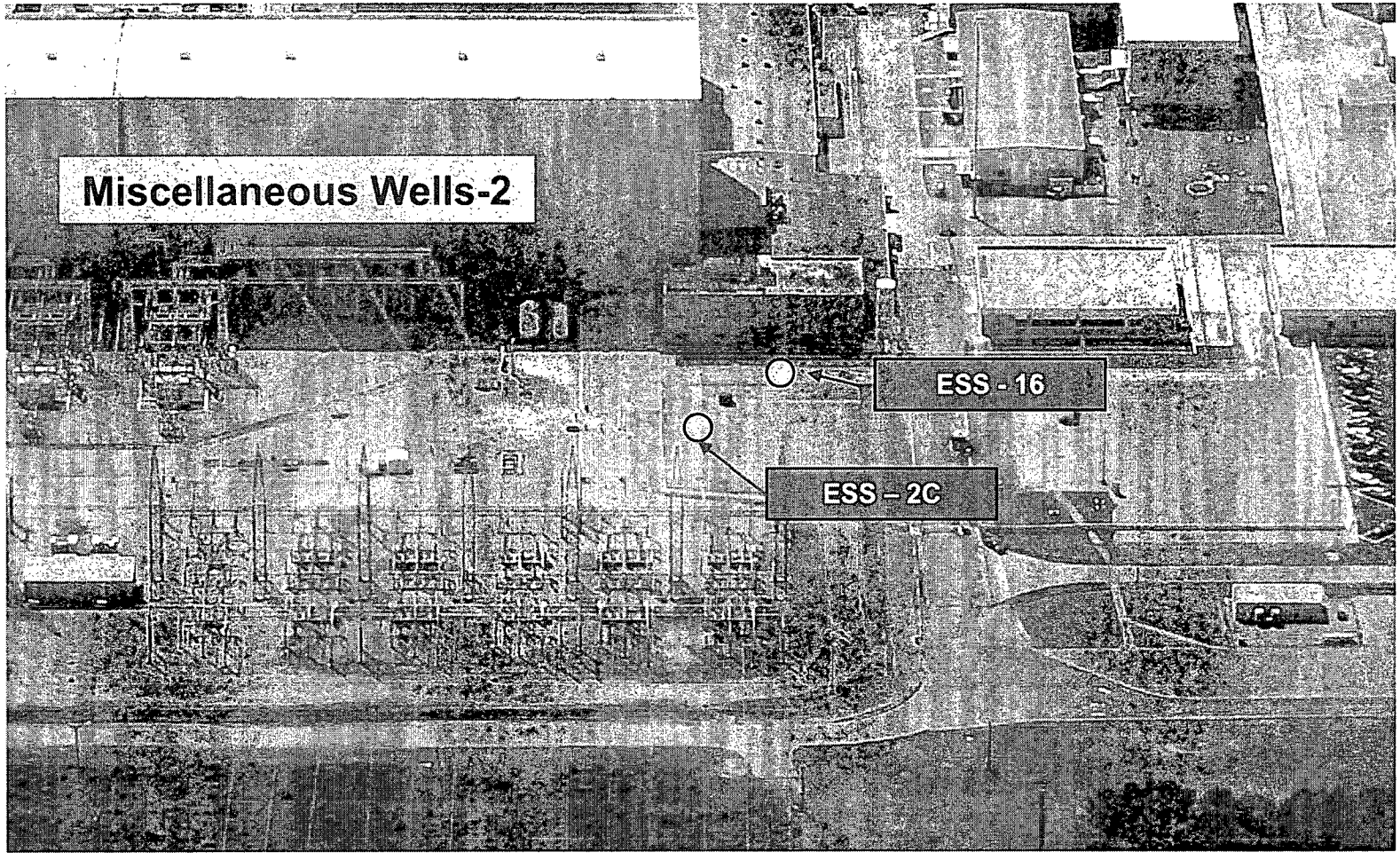


Progress Energy

Miscellaneous Wells-1

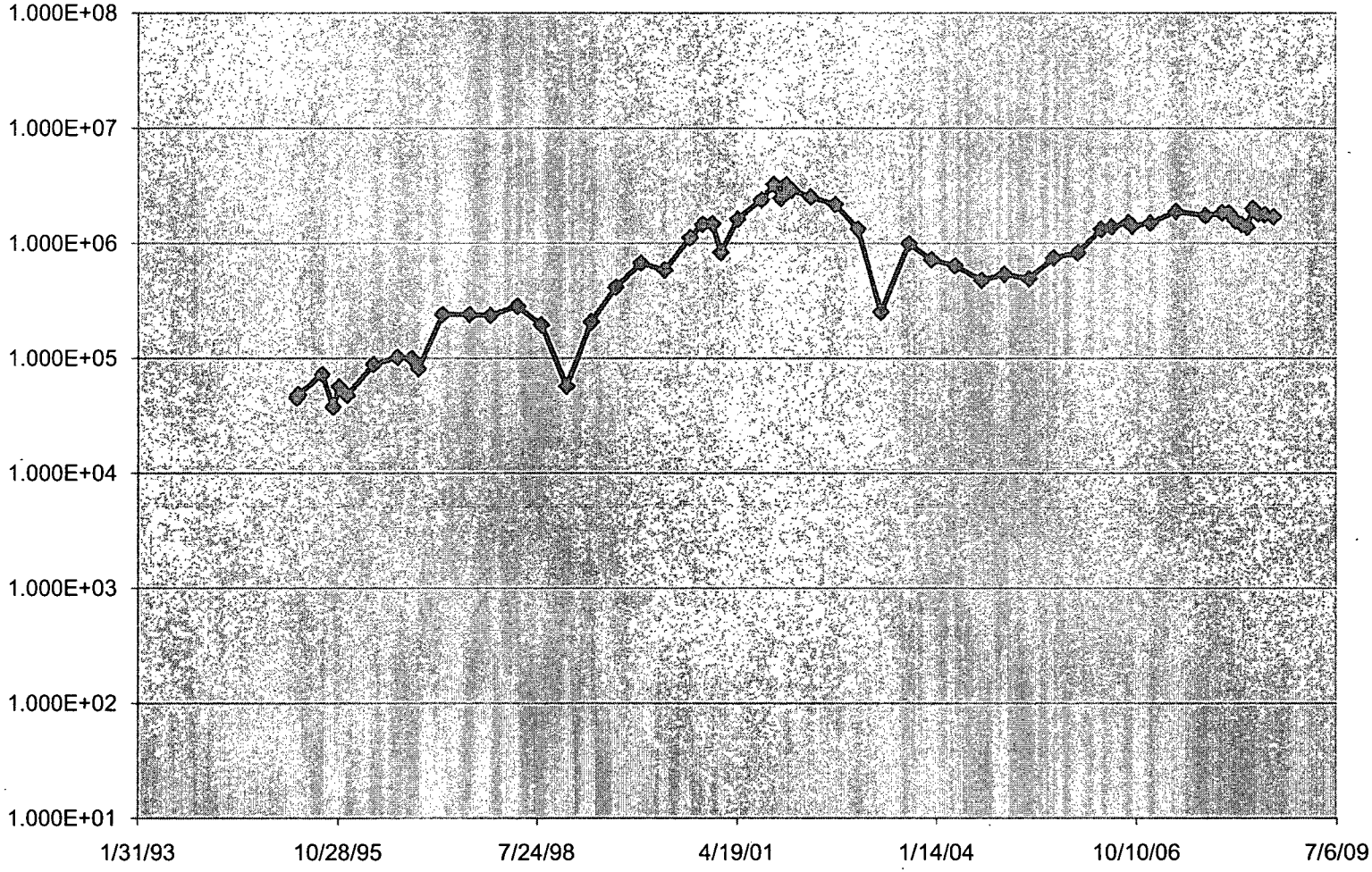
Well	Well Depth (ft)	Sample Date	Tritium Sample Results (pCi/L)
ESS-3B	52.4	8/21/08	298
ESS-3C	14.3	8/21/08	316
ESS-13B	56.5	8/21/08	<LLD
ESS-13C	24.8	8/21/08	<LLD

Progress Energy



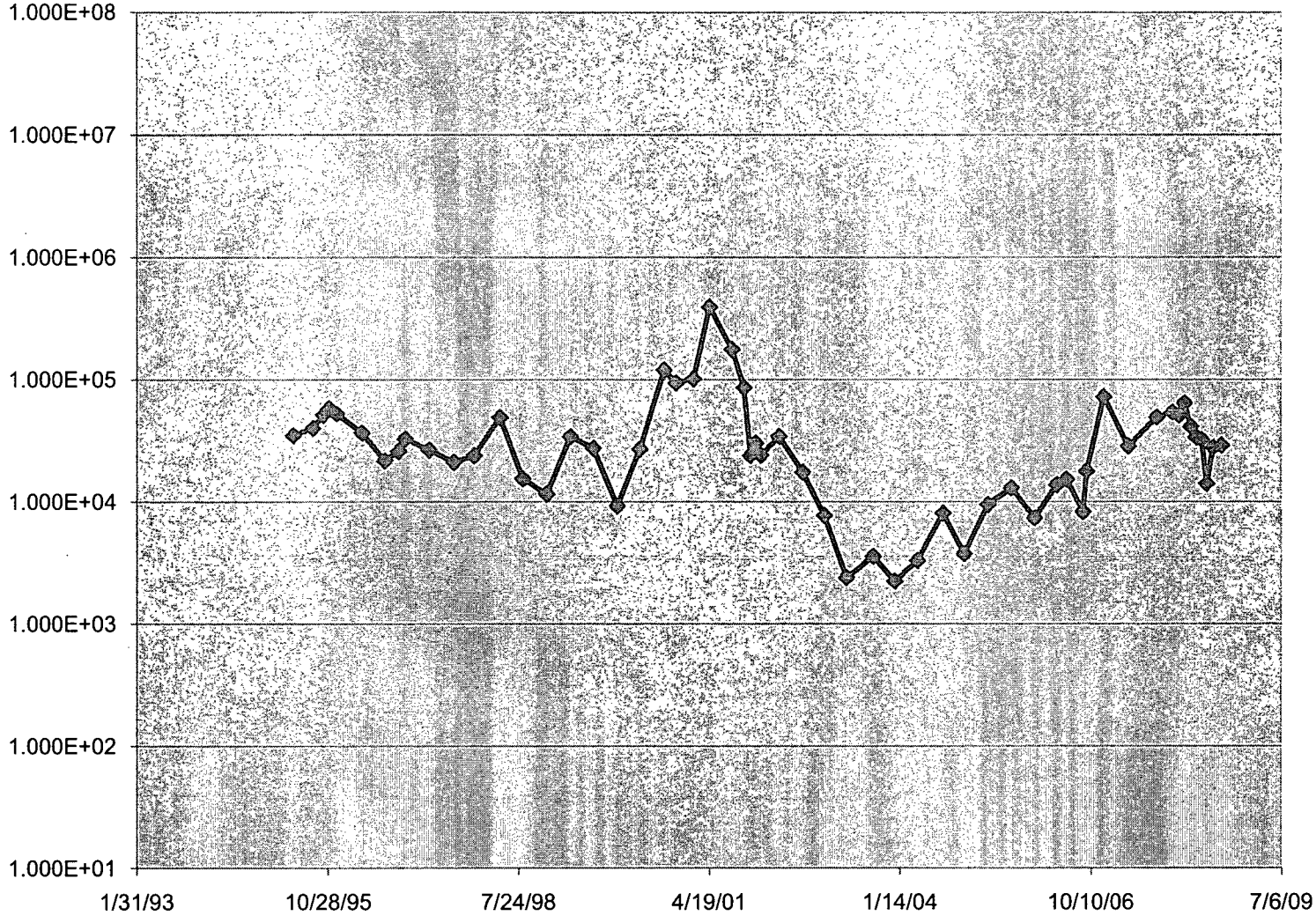
Progress Energy

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	8/27/08	1,701,000
ESS-16	25.4	8/27/08	28970

Progress Energy