Gepford, Heather

From: Grzeck, Lee [Lee.Grzeck@pgnmail.com]
Sent: Thursday, February 21, 2008 8:17 AM
To: Heather Gepford
Attachments: Sampling Locations data updated 2-19-08.pdf; Updated 02-19-08 Well pictures with data and graphs.pdf

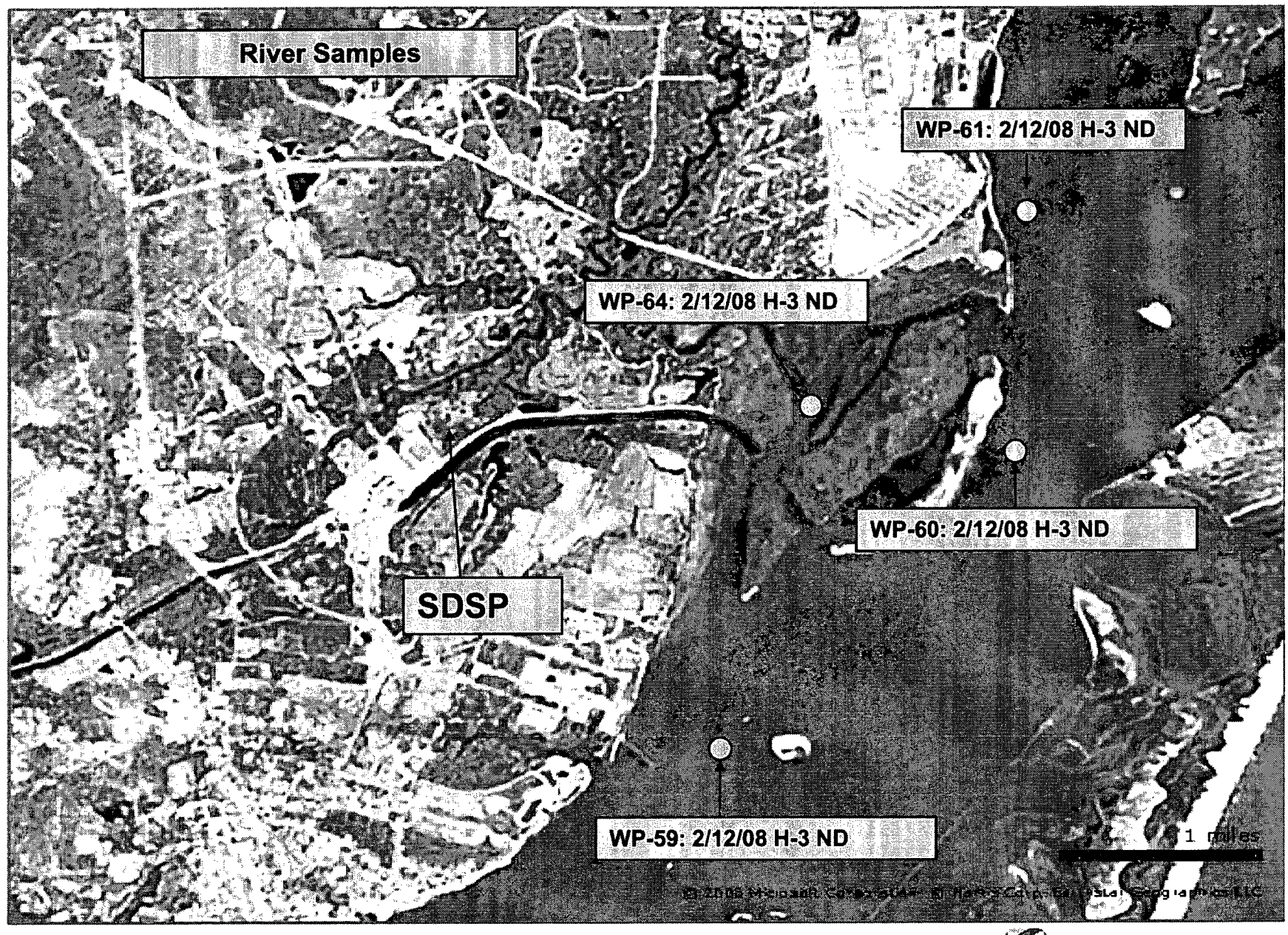
Lee Grzeck
Licensing and Regulatory Programs
Brunswick Nuclear Plant
Progress Energy Carolinas
910-457-2487 Work
910-412-0052 Pager

J-97

Marsh and River Tritium Sampling Locations

Updated 2/19/08

Progress Energy



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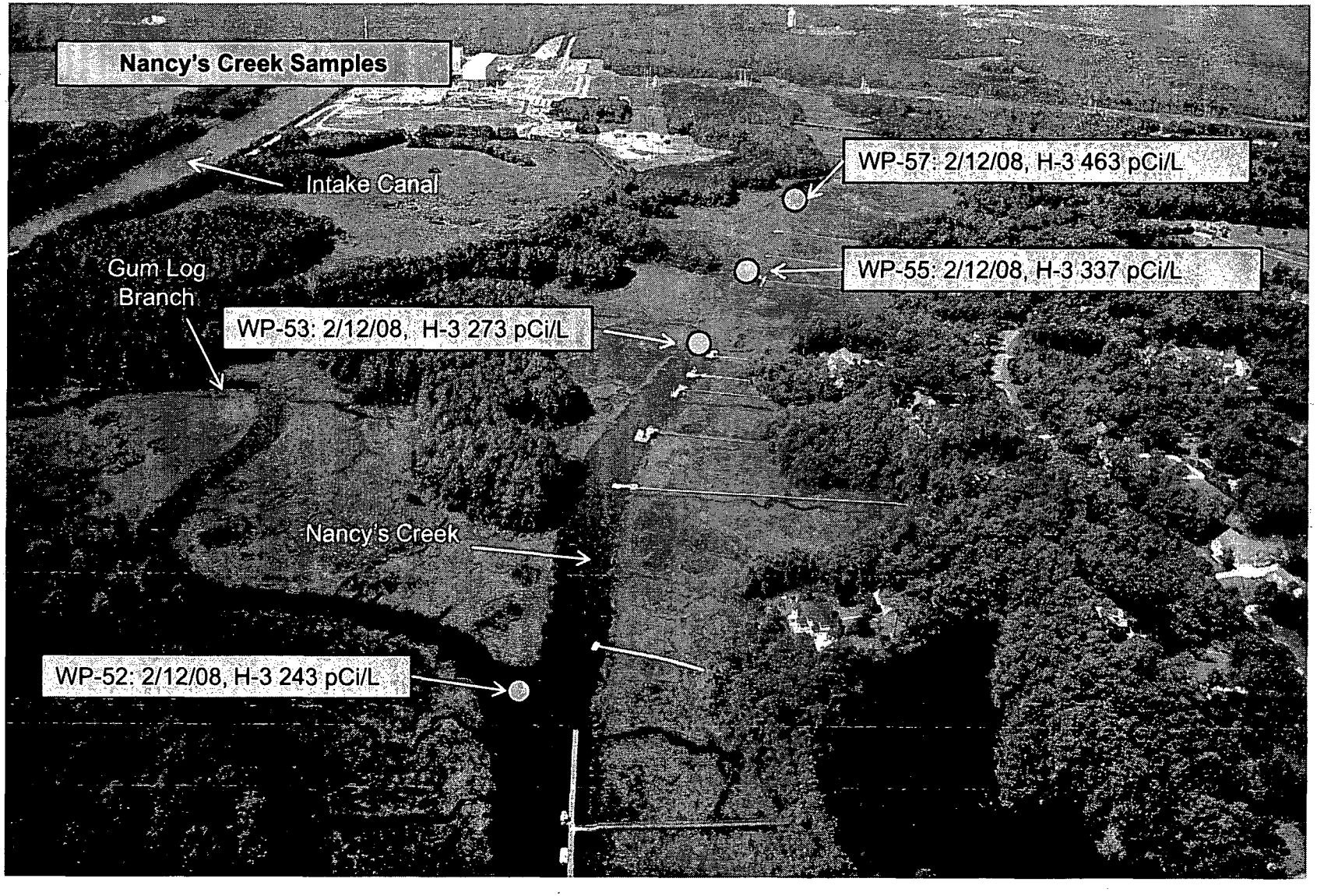

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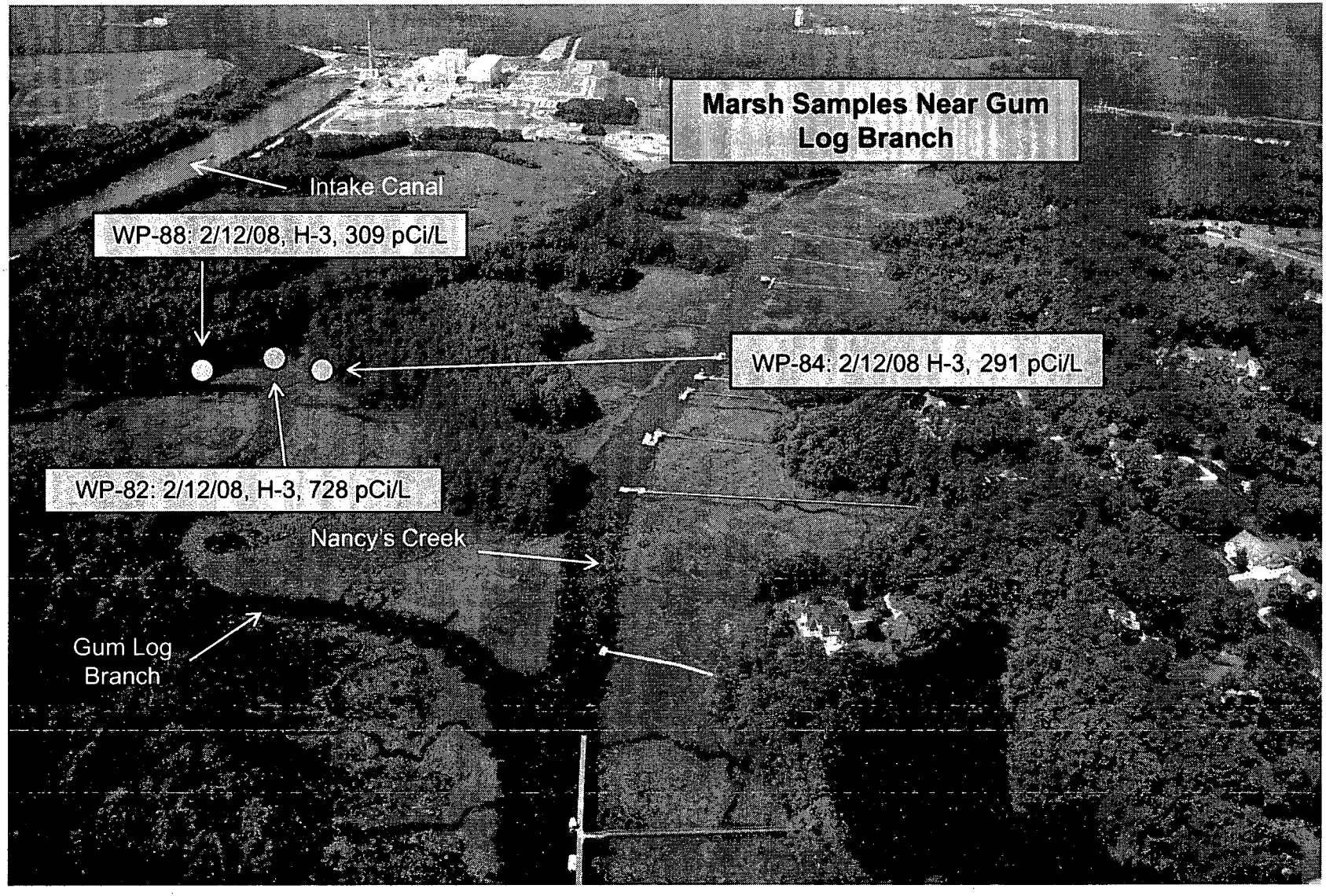

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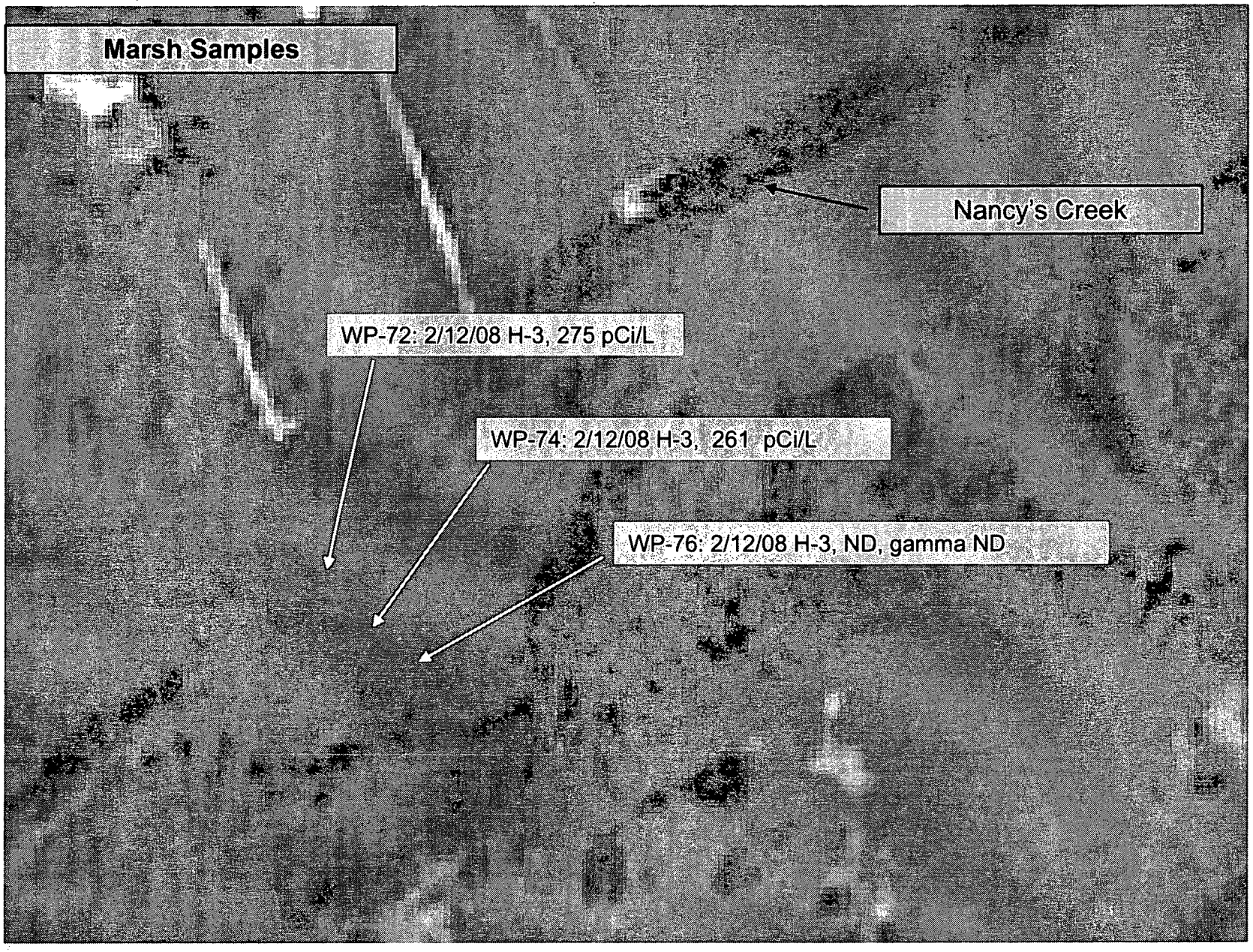

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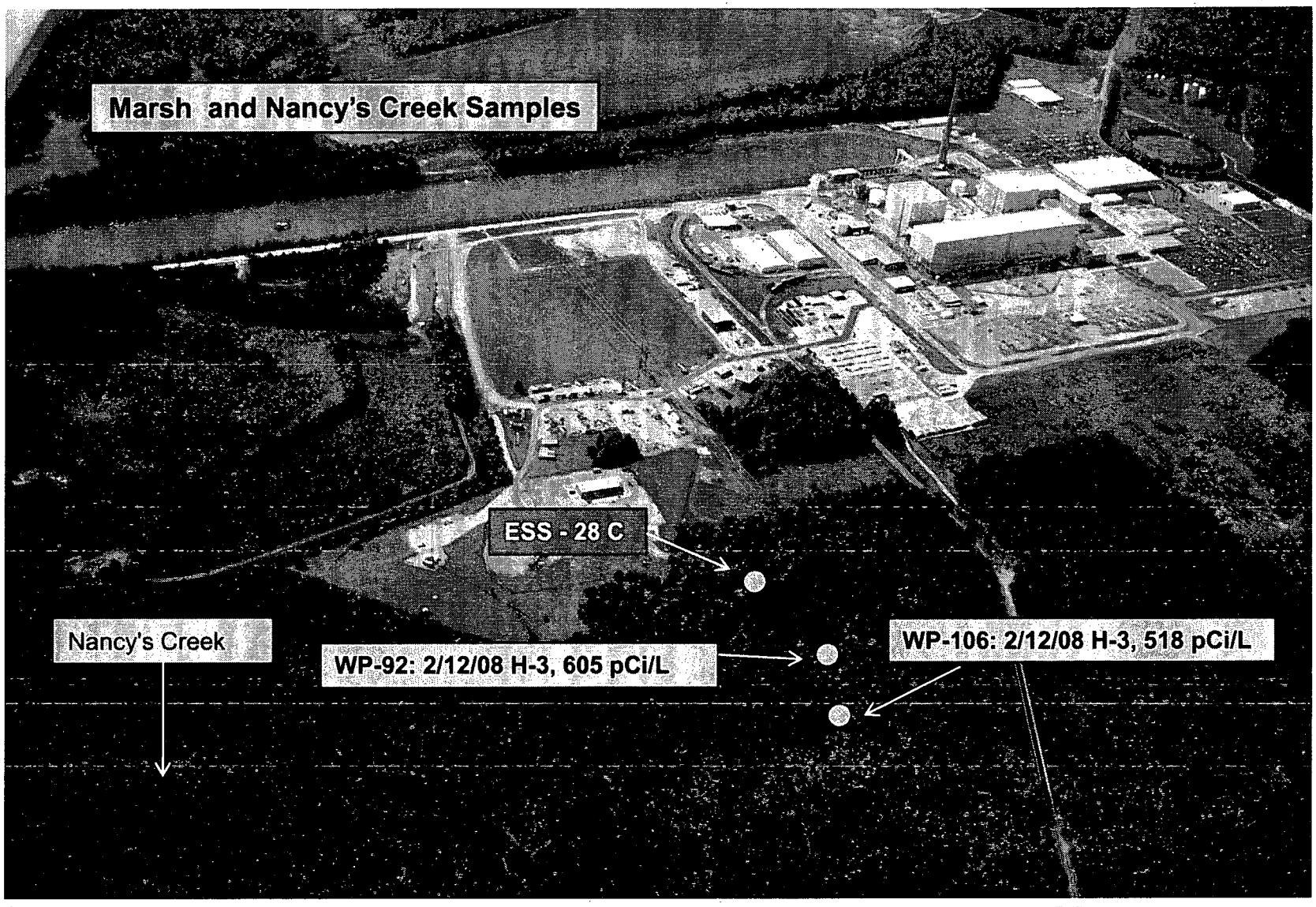

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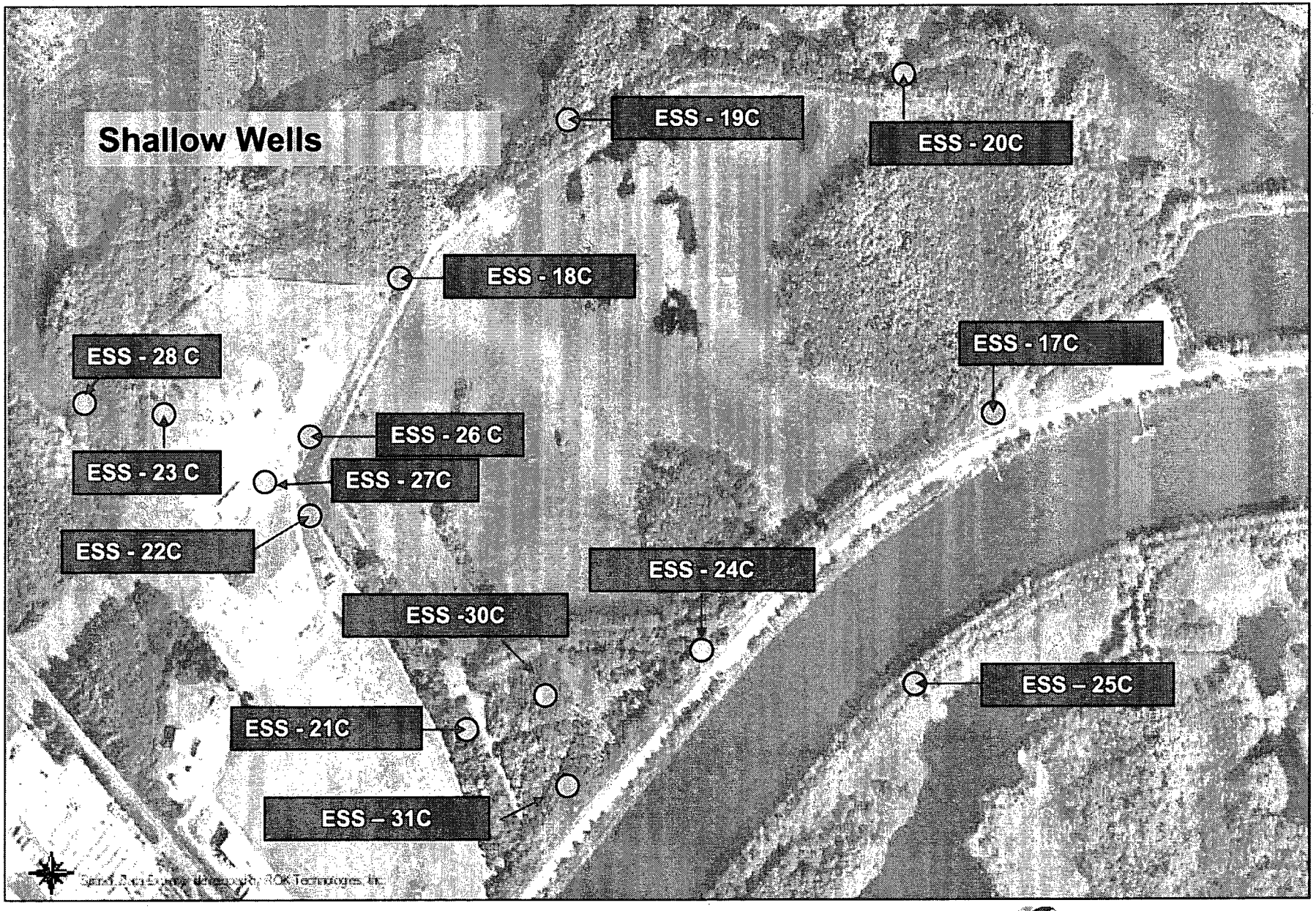

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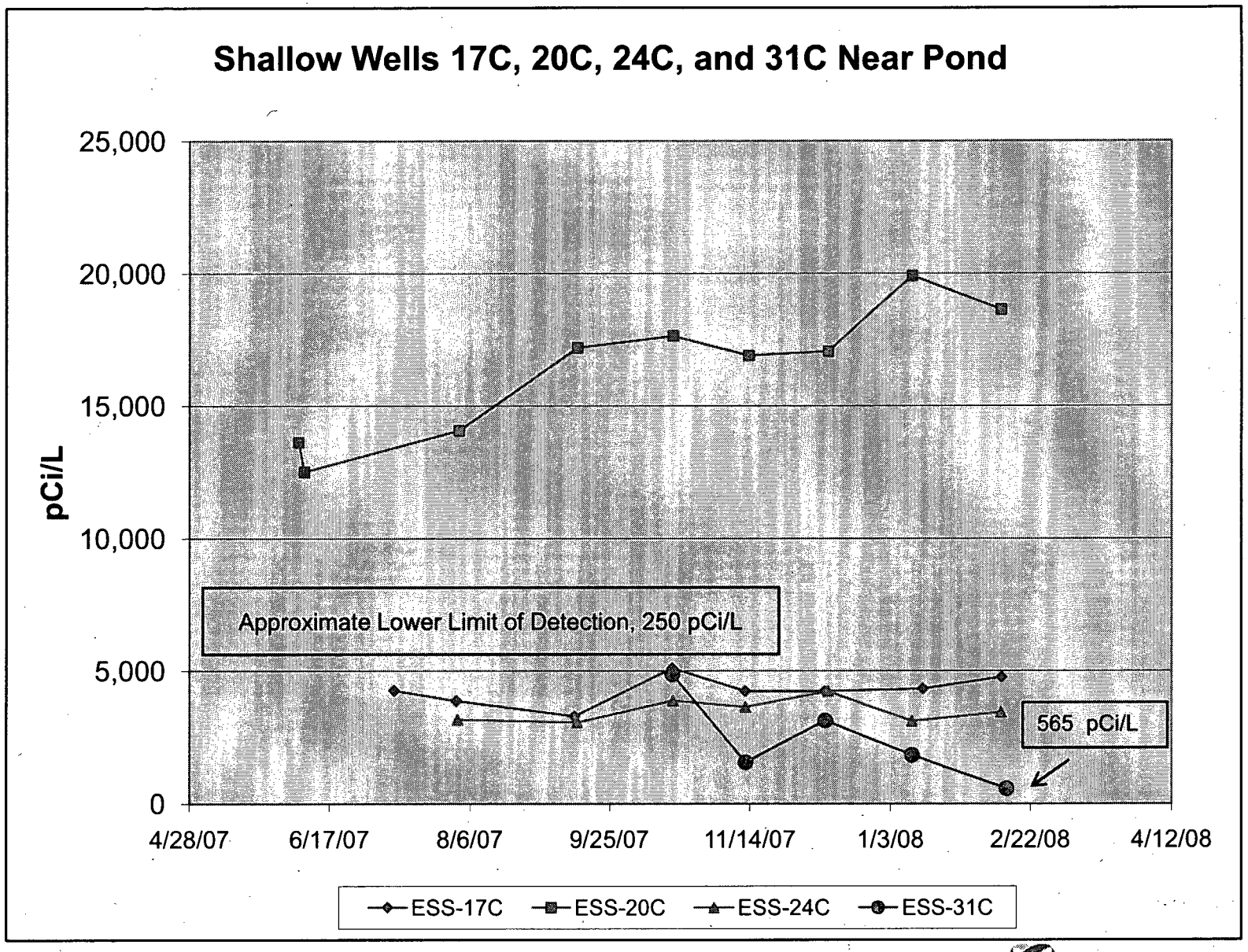

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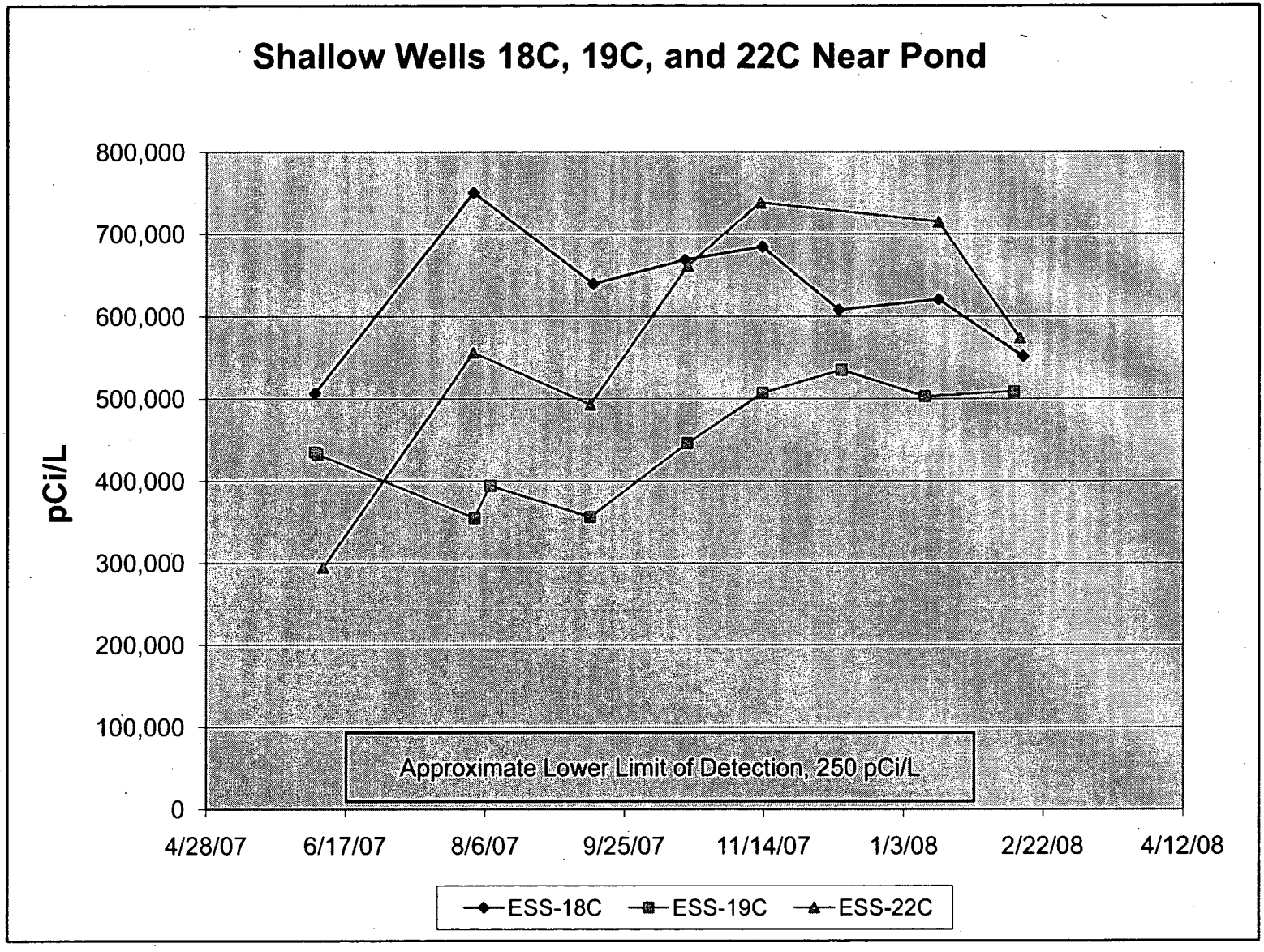

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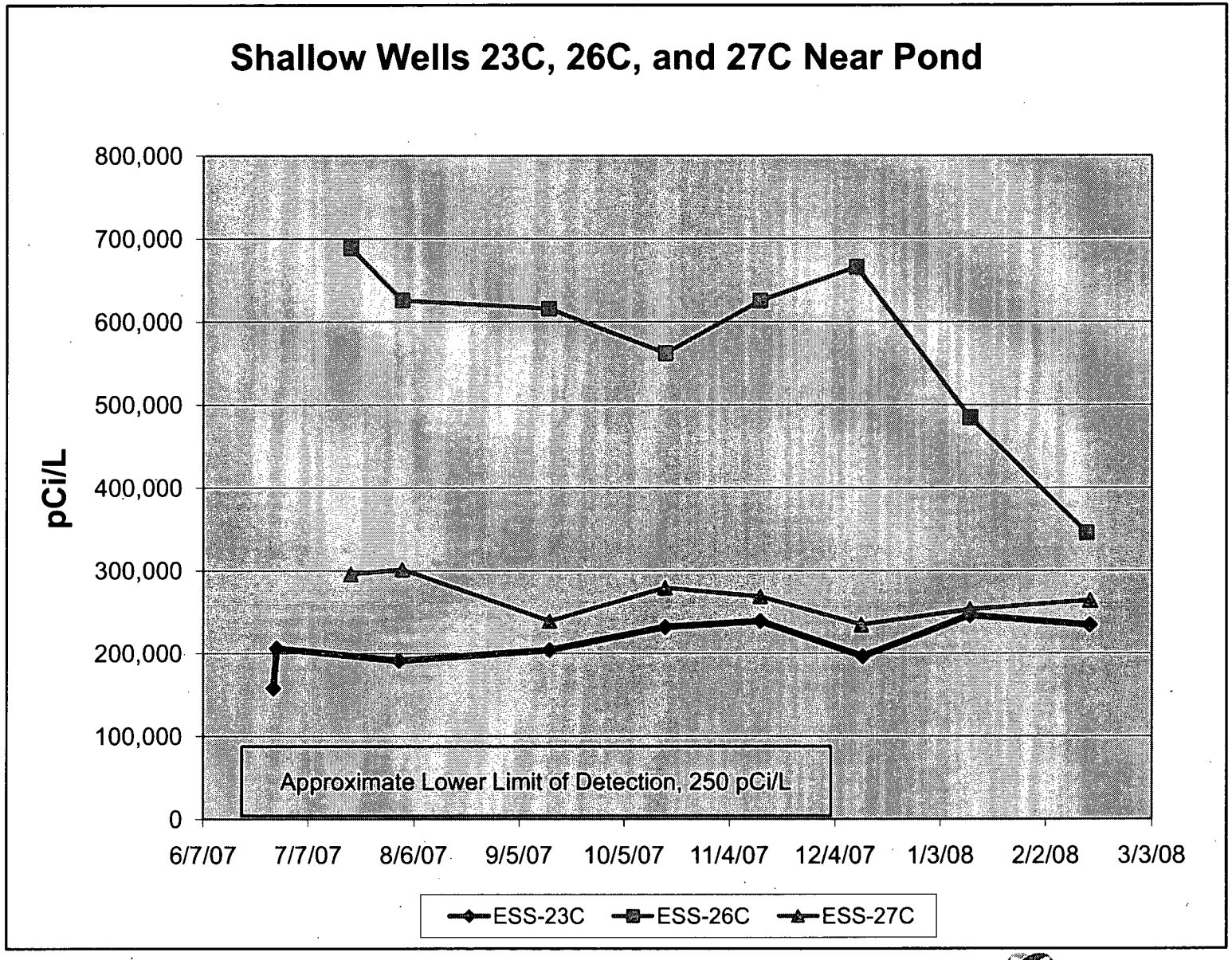

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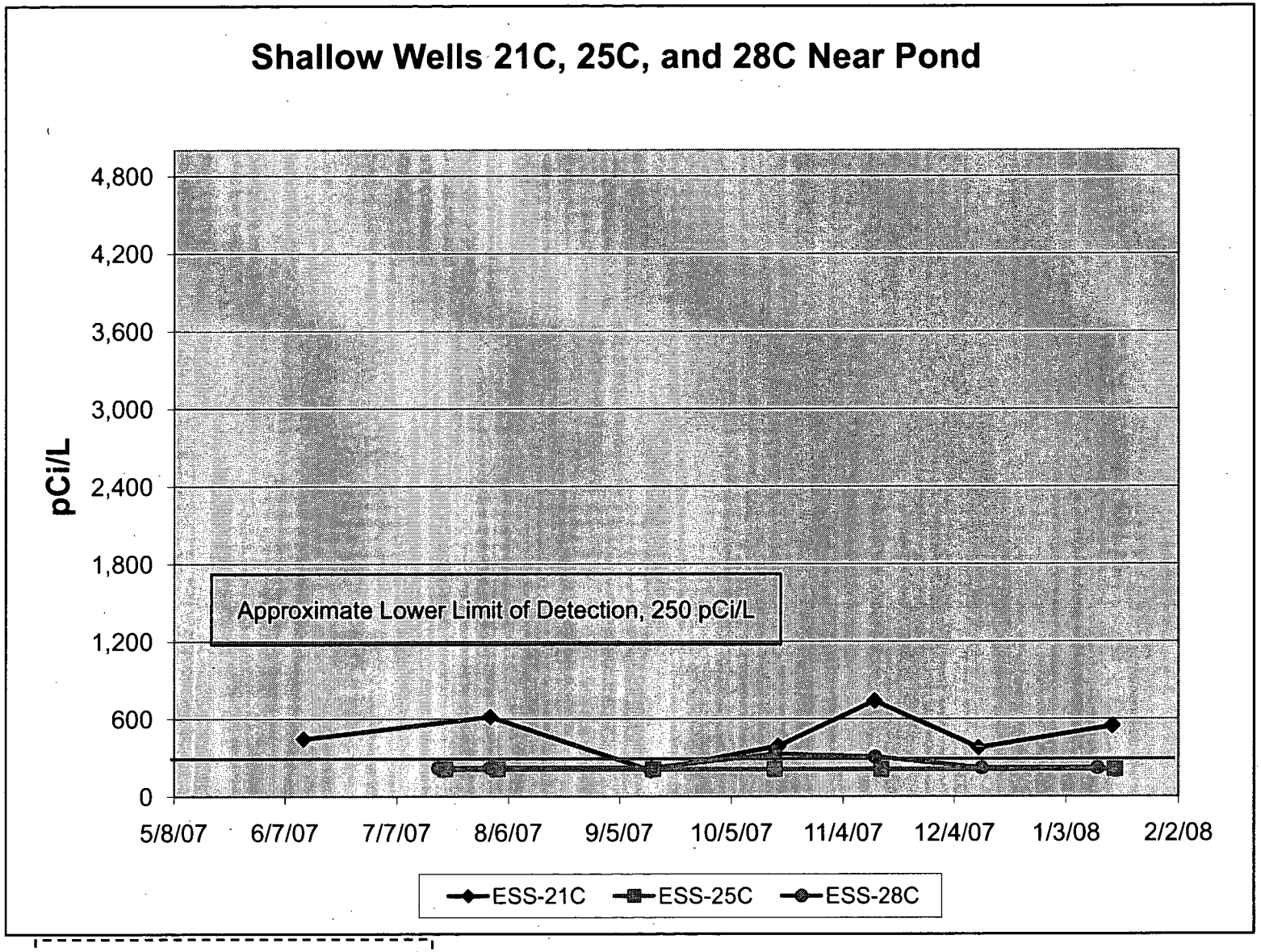
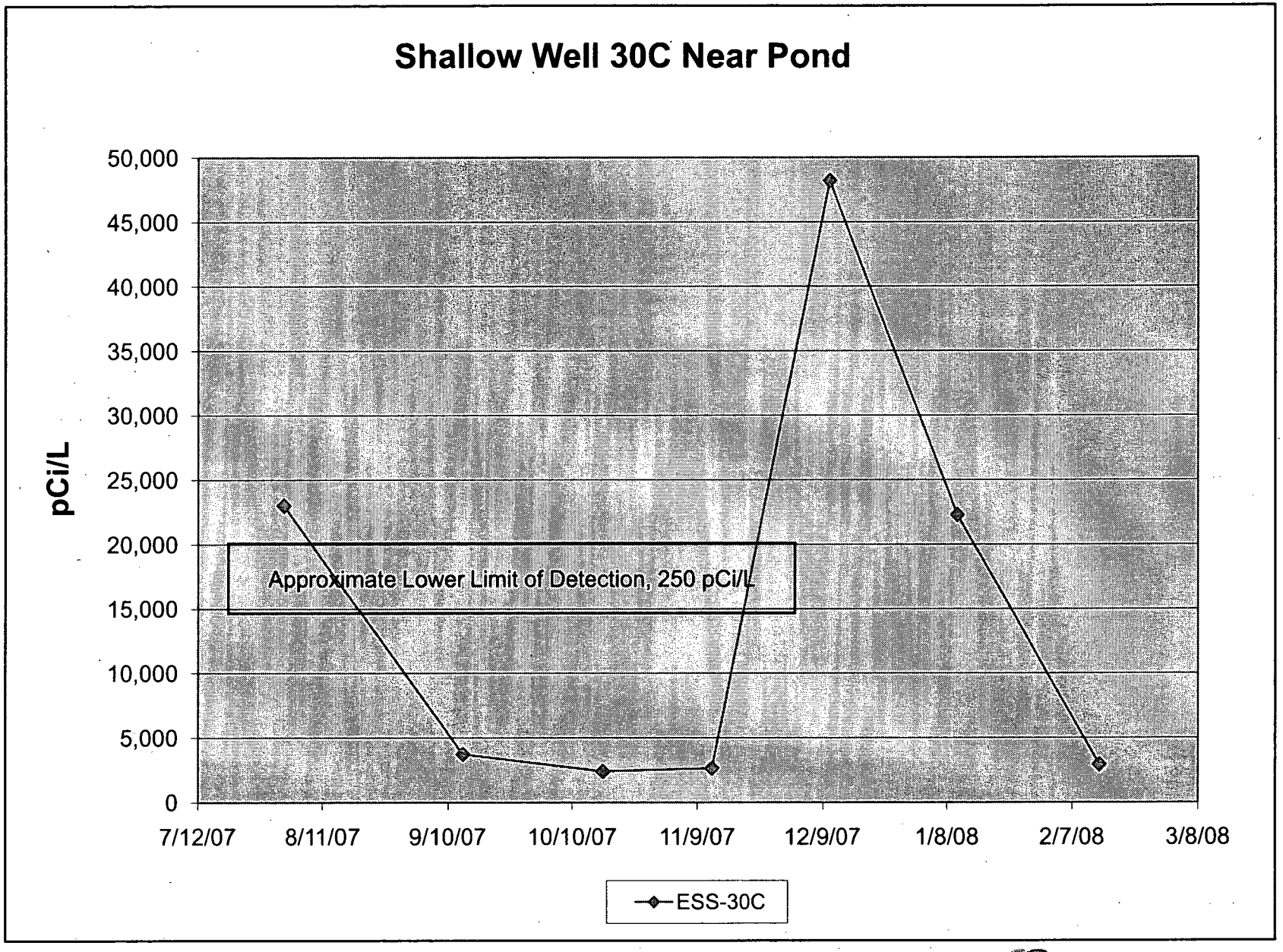


Note: Values less than the lower limit of detection are non-detectable

Progress Energy

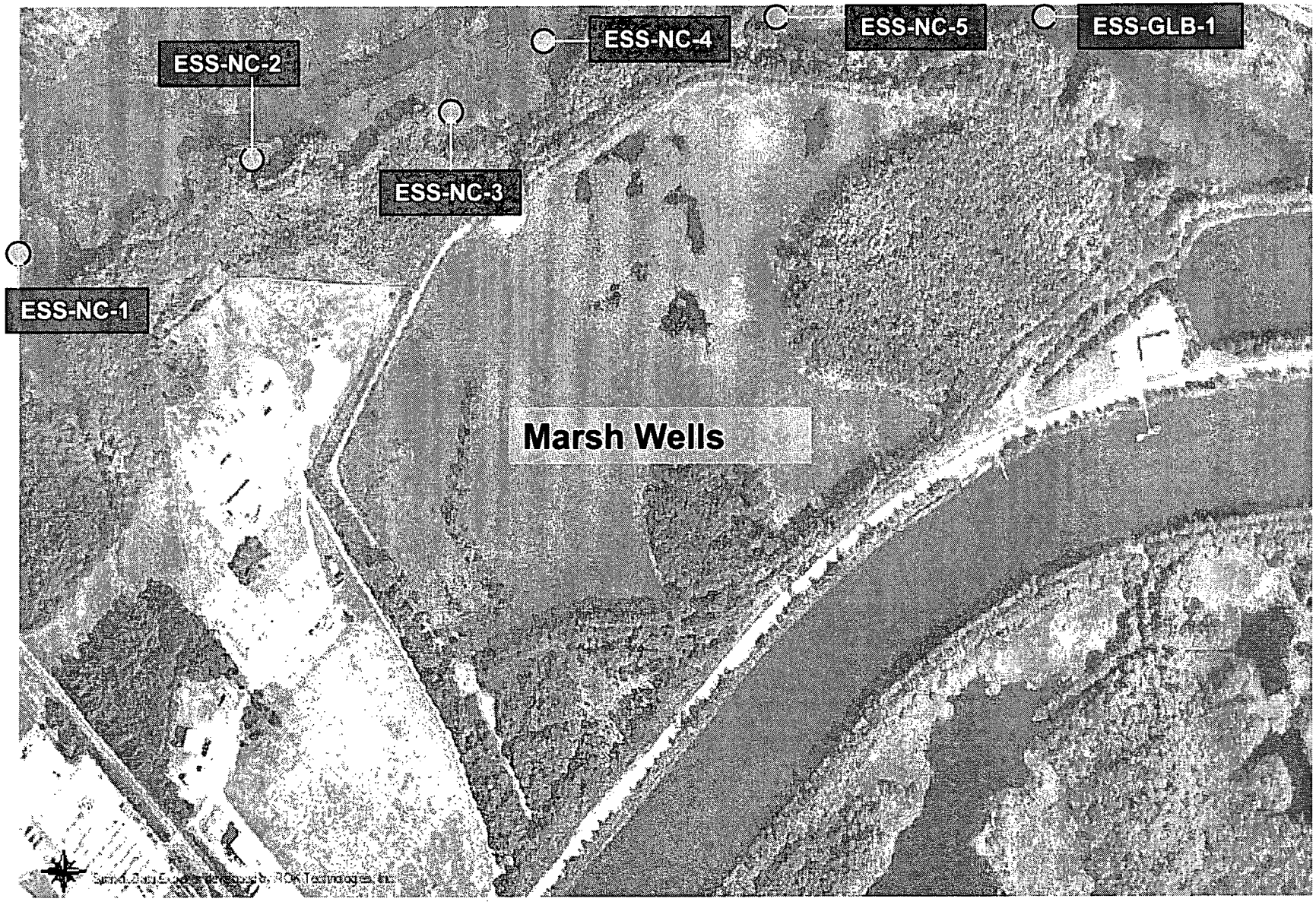


Progress Energy

Latest Shallow Well Data

Well	Well Depth (ft)	Sample Date	Sample Results (pCi/L)
ESS-17C	26	2/11/08	4,766
ESS-18C	20	2/14/08	551,500
ESS-19C	20	2/11/08	508,900
ESS-20C	20.5	2/11/08	18,640
ESS-21C	20	1/15/08	546
ESS-22C	20	2/13/08	573,800
ESS-23C	23	2/14/08	234,400
ESS-24C	18	2/13/08	4,334
ESS-25C	22	1/16/08	<LLD
ESS-26C	15	2/13/08	345,900
ESS-27C	15.5	2/14/08	264,300
ESS-28C	23	1/11/08	<LLD
ESS-30C	15	2/13/08	2,930
ESS-31C	15	2/13/08	565

Progress Energy



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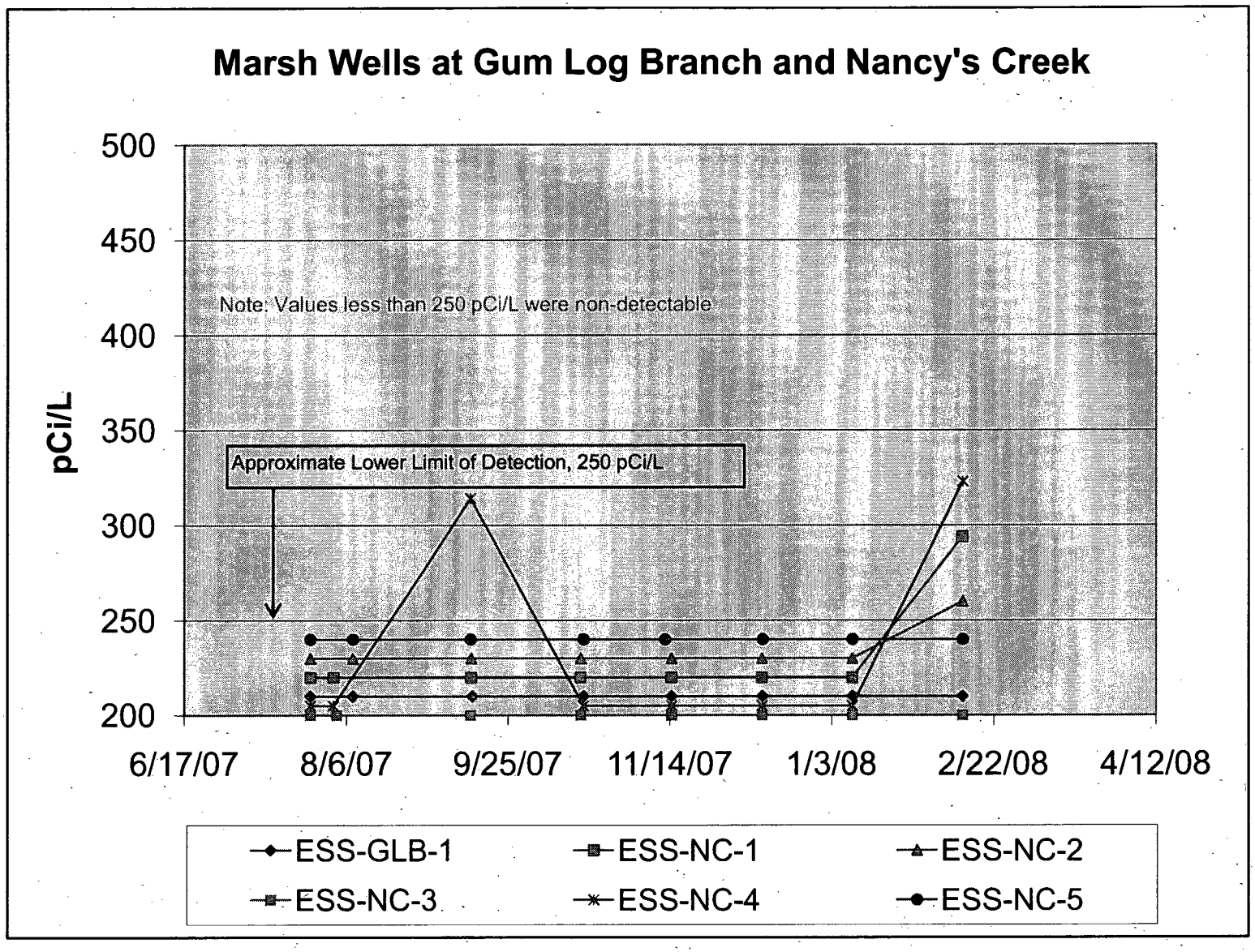
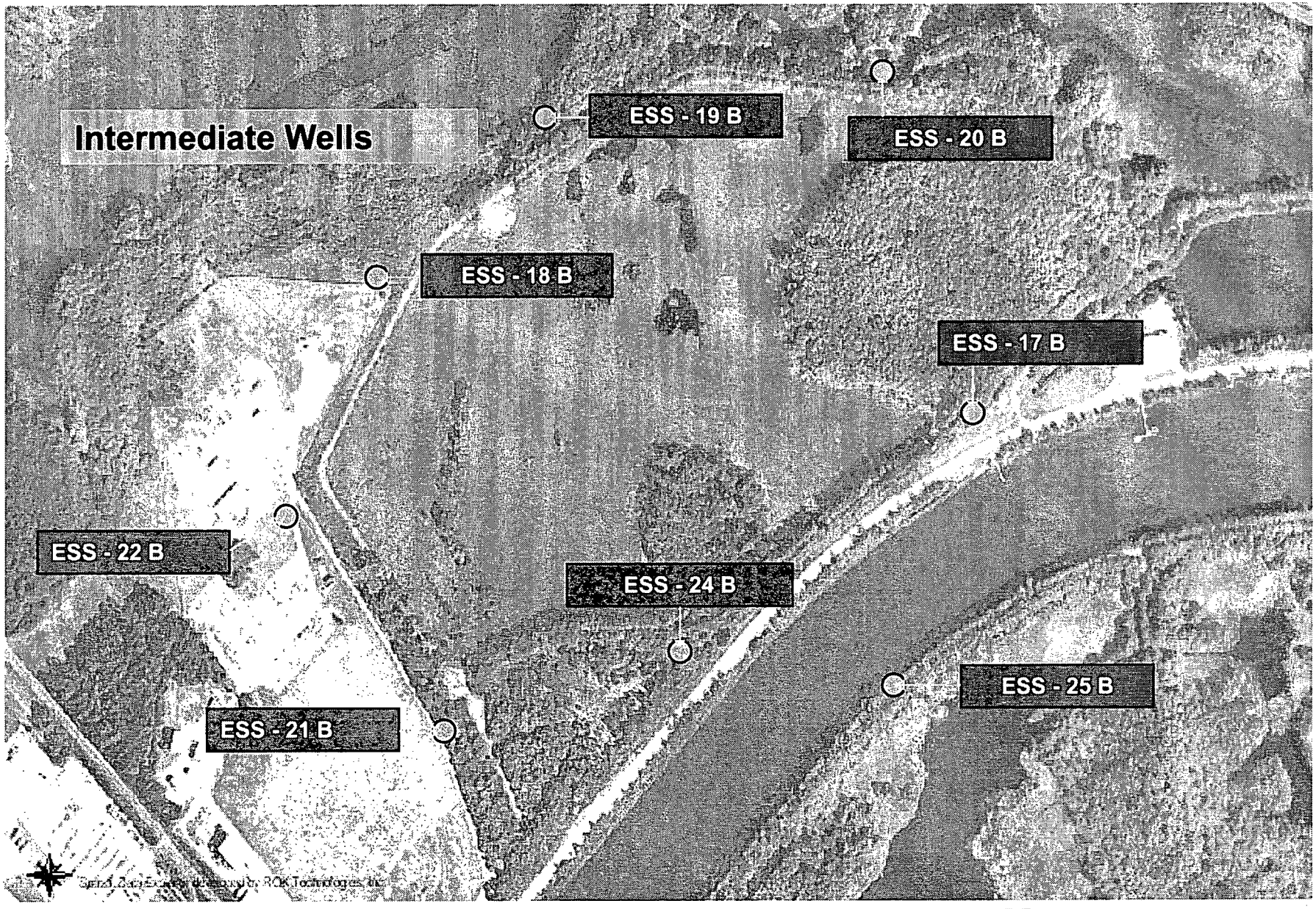


Progress Energy

Latest Marsh Well Data

Well	Well Depth (ft)	Sample Date	Tritium Sample Results (pCi/L)
ESS-NC-1	7.5	2/12/08	294
ESS-NC-2	8	2/12/08	260
ESS-NC-3	8	2/12/08	<LLD
ESS-NC-4	8	2/12/08	323
ESS-NC-5	8	2/12/08	<LLD
ESS-GLB-1	8	2/12/08	<LLD

Progress Energy



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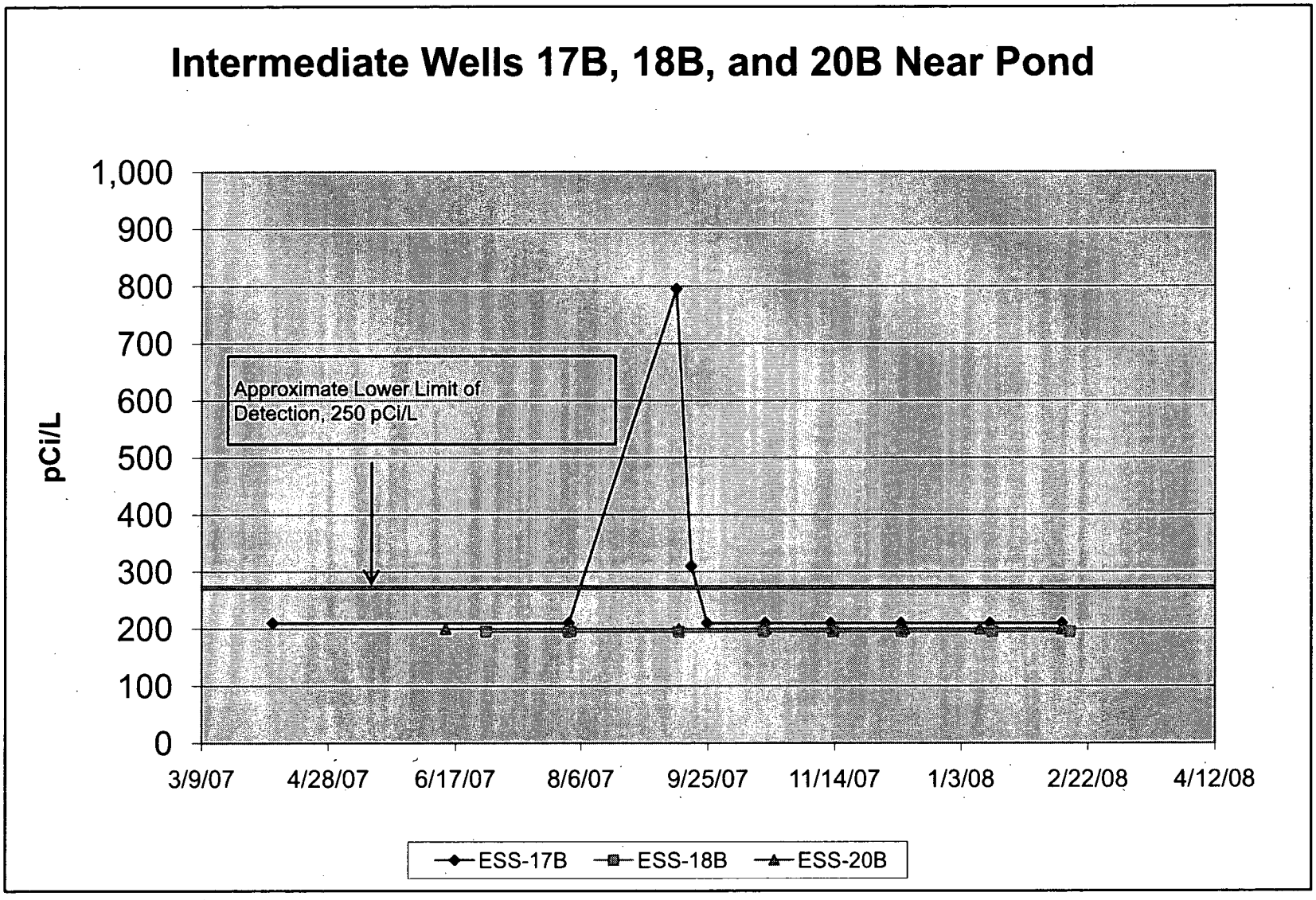
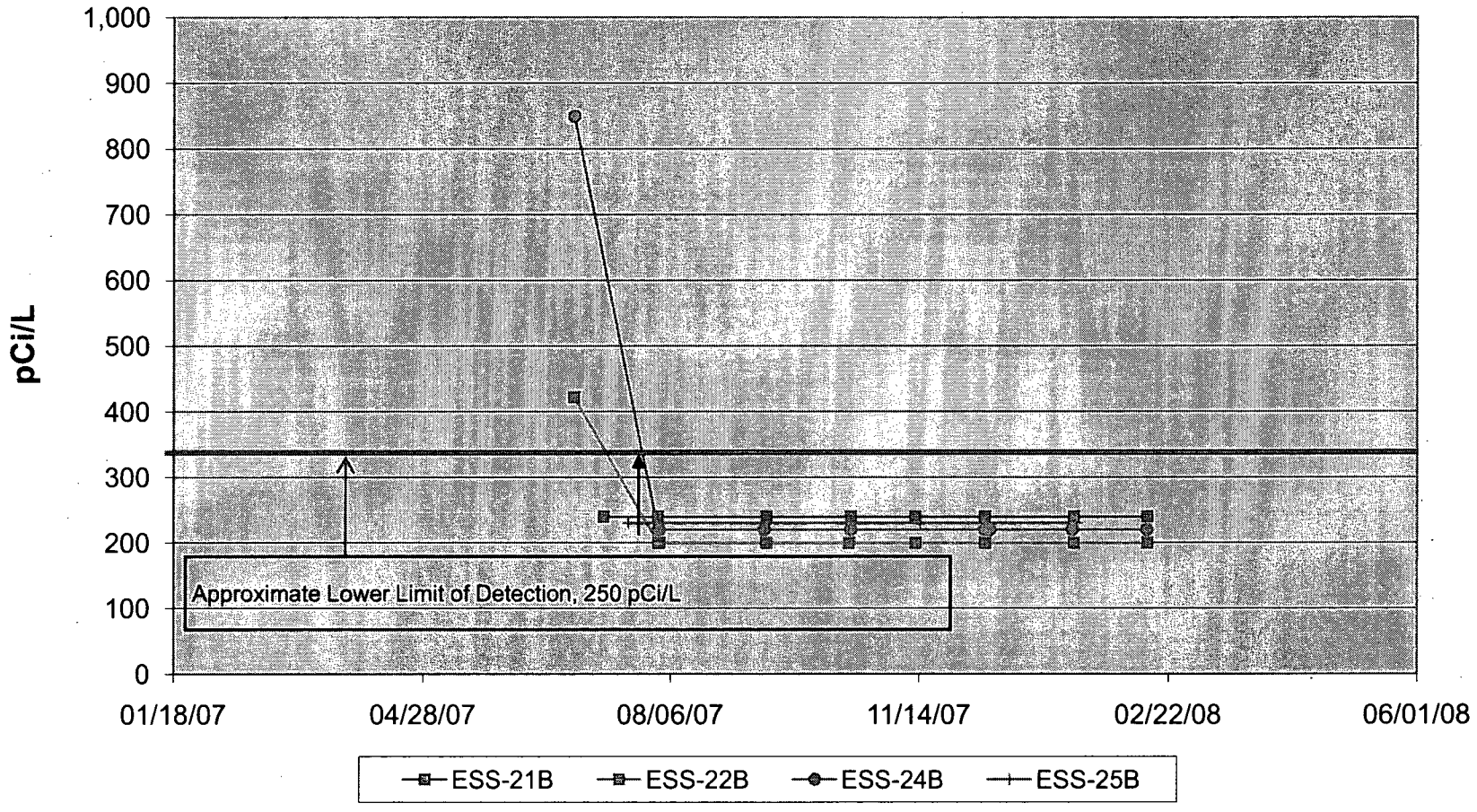


Note: Values less than the lower limit of detection are non-detectable

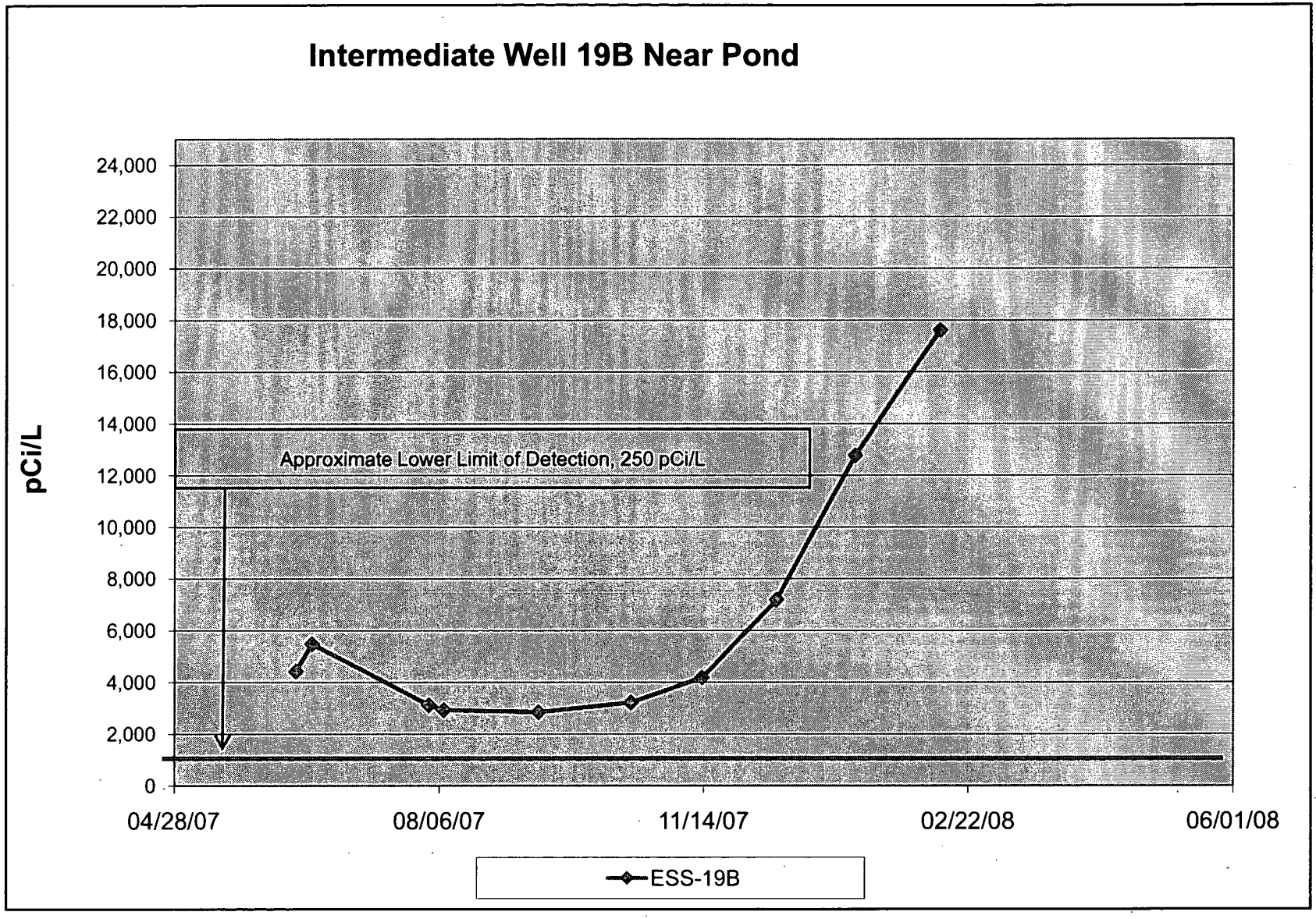
Progress Energy

Intermediate Wells 21B, 22B, 24B, and 25B Near Pond



Note: Values less than the lower limit of detection are non-detectable

Progress Energy



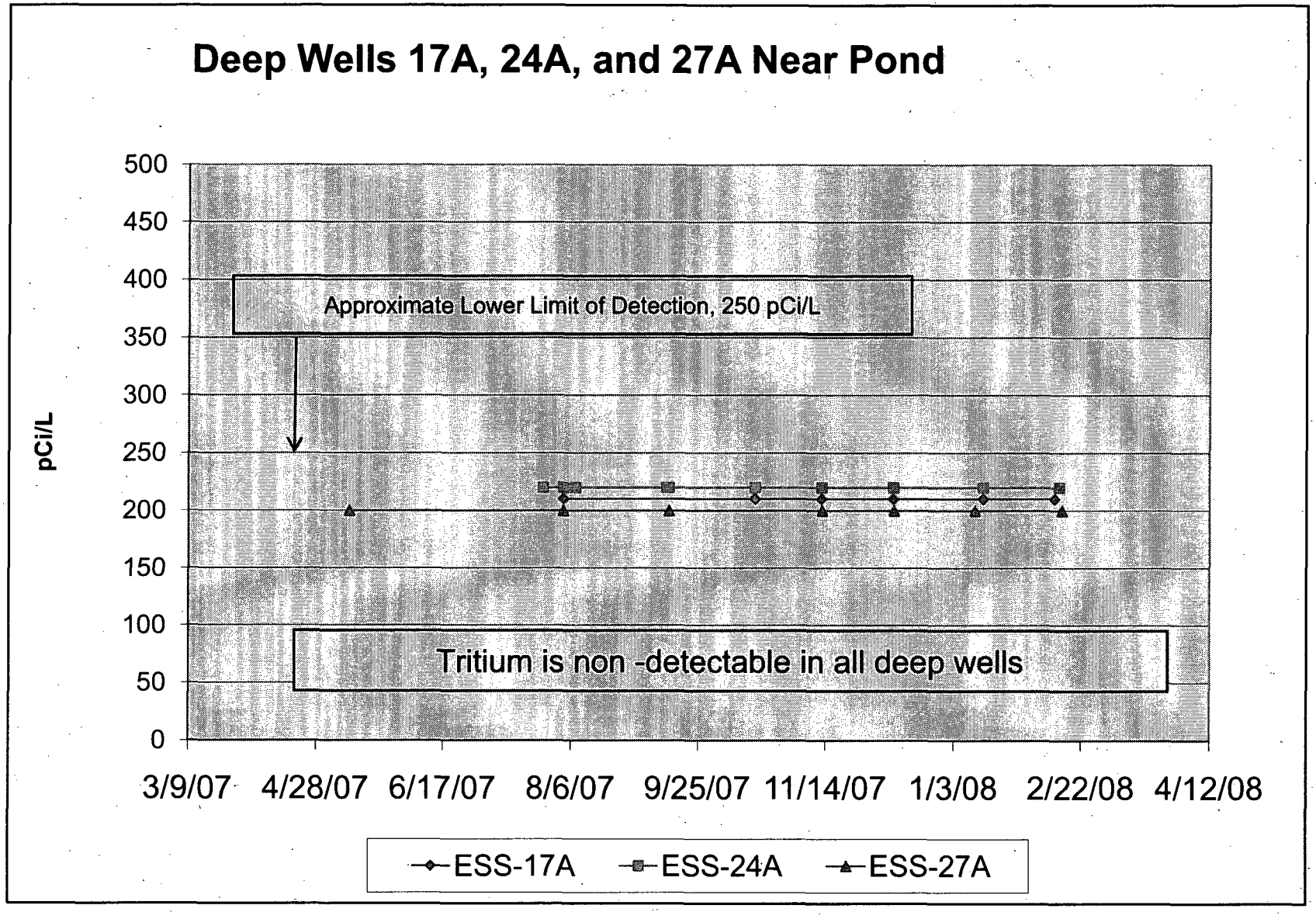
Progress Energy

Latest Intermediate Well Sample Data

Well	Well Depth (ft)	Sample Date	Sample Results (pCi/L)
ESS-17B	53	2/11/08	<LLD
ESS-18B	63	2/14/08	<LLD
ESS-19B	42	2/11/08	17,620
ESS-20B	43	2/11/08	<LLD
ESS-21B	67	2/13/08	<LLD
ESS-22B	76	2/13/08	<LLD
ESS-24B	53	2/13/08	<LLD
ESS-25B	43	1/16/08	<LLD

Progress Energy

Progress Energy

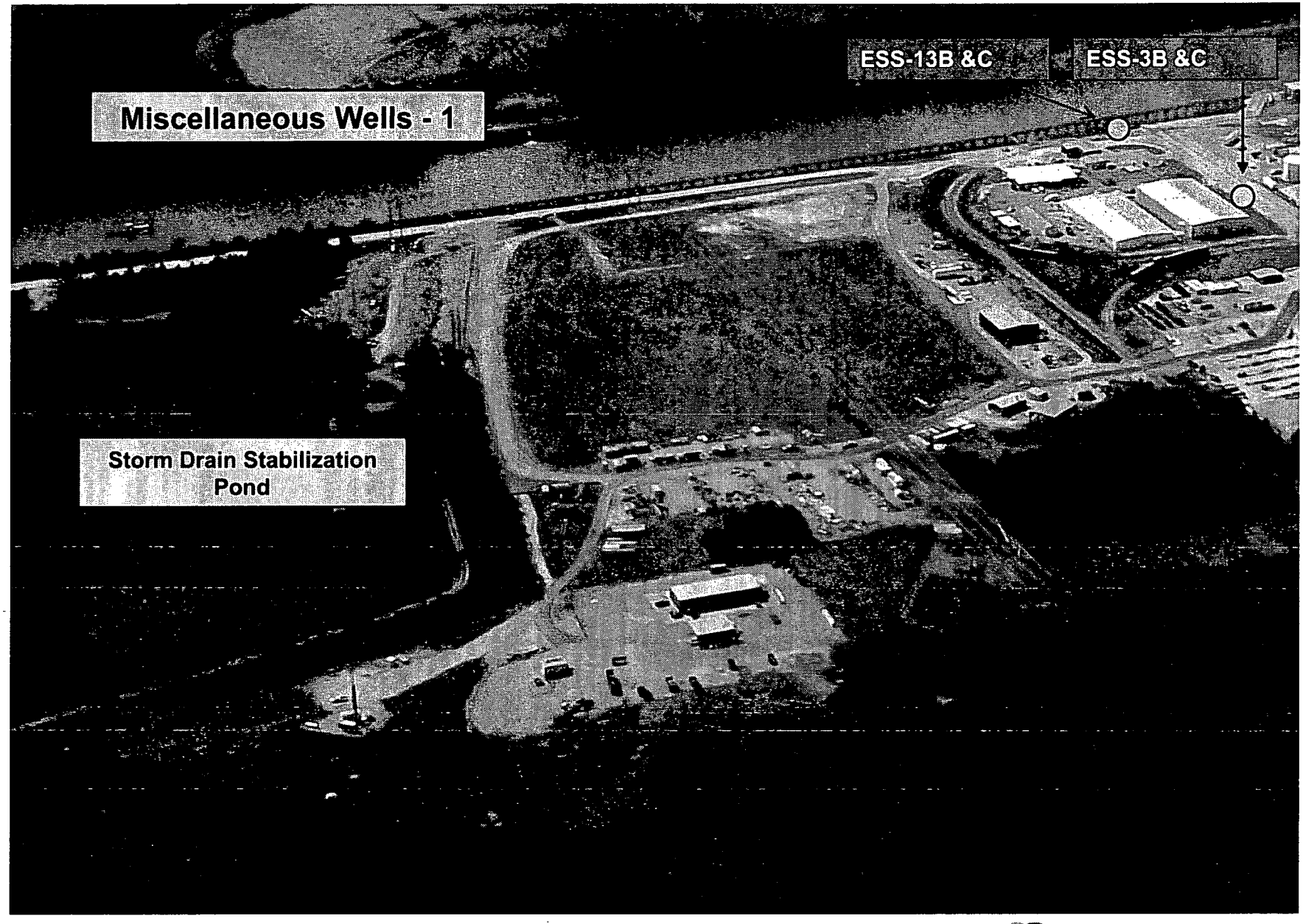


Progress Energy

Latest Deep Well Sample Data

Well	Well Depth (ft)	Sample Date	Tritium Sample Results (pCi/L)
ESS-17A	150	2/11/08	<LLD
ESS-24A	140	2/13/08	<LLD
ESS-27A	140	2/14/08	<LLD

Progress Energy



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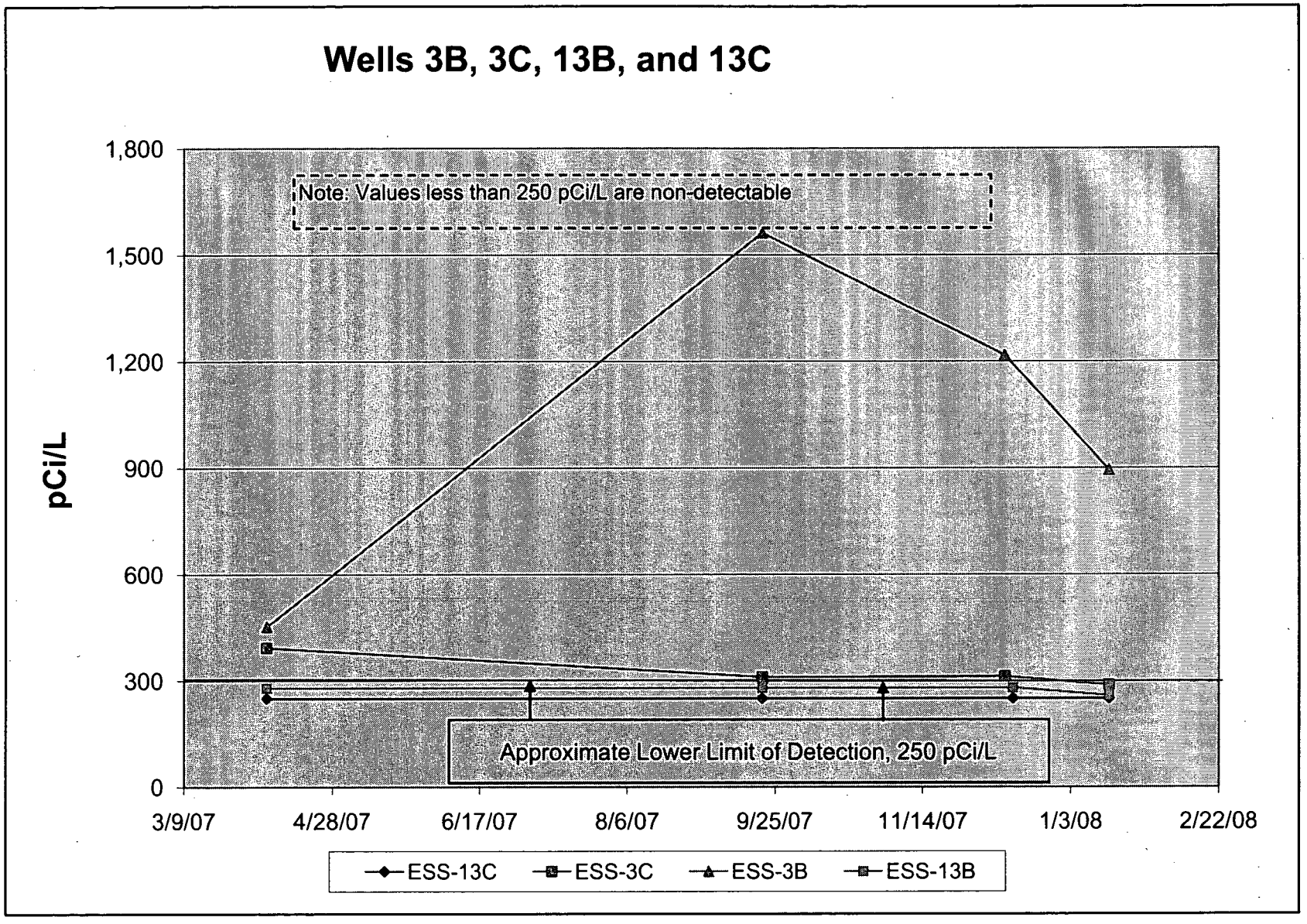
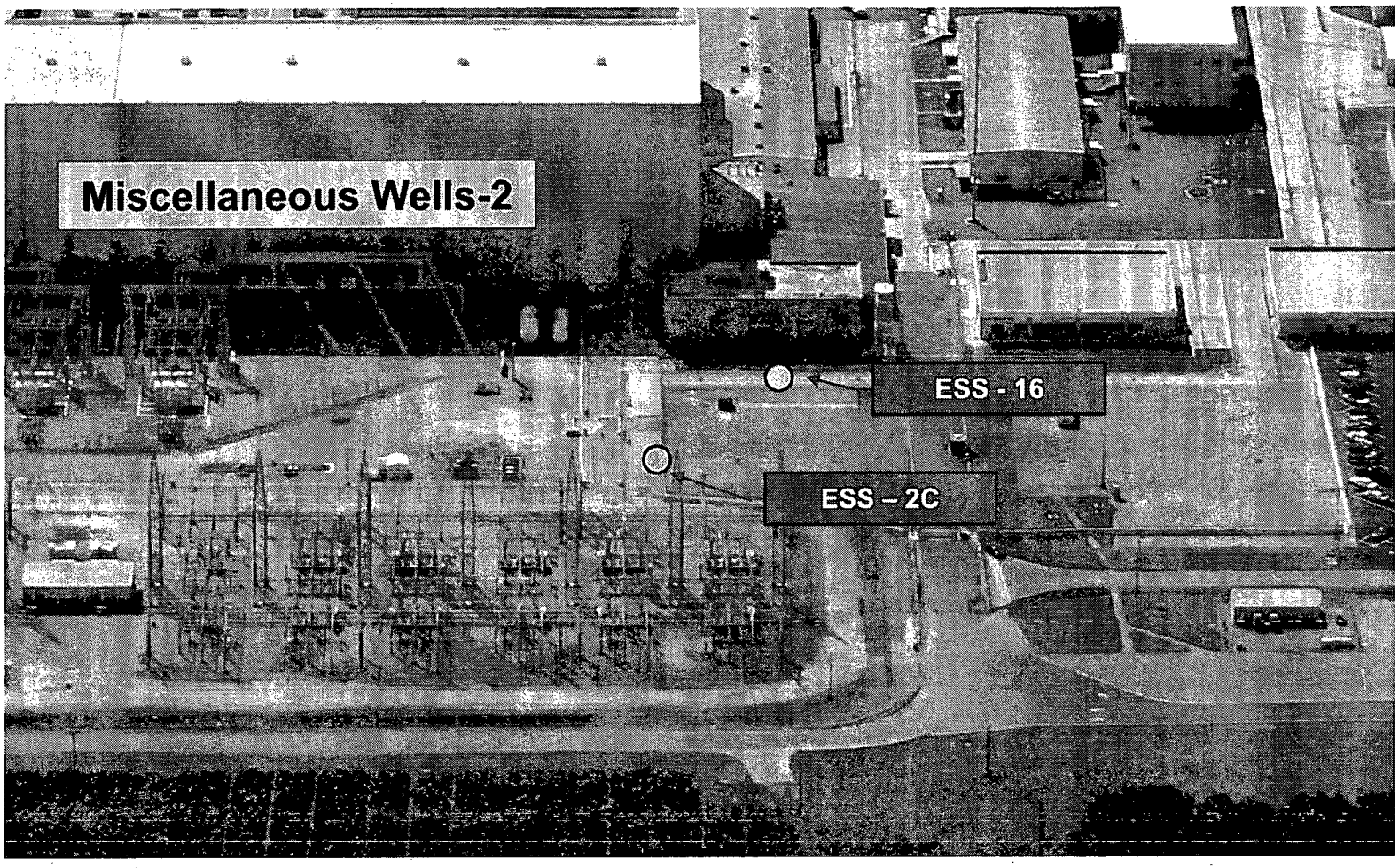


Progress Energy

Miscellaneous Wells-1

Well	Well Depth (ft)	Sample Date	Tritium Sample Results (pCi/L)
ESS-3B	52.4	1/16/08	894
ESS-3C	14.3	1/16/08	288
ESS-13B	56.5	1/16/08	<LLD
ESS-13C	24.8	1/16/08	258

Progress Energy



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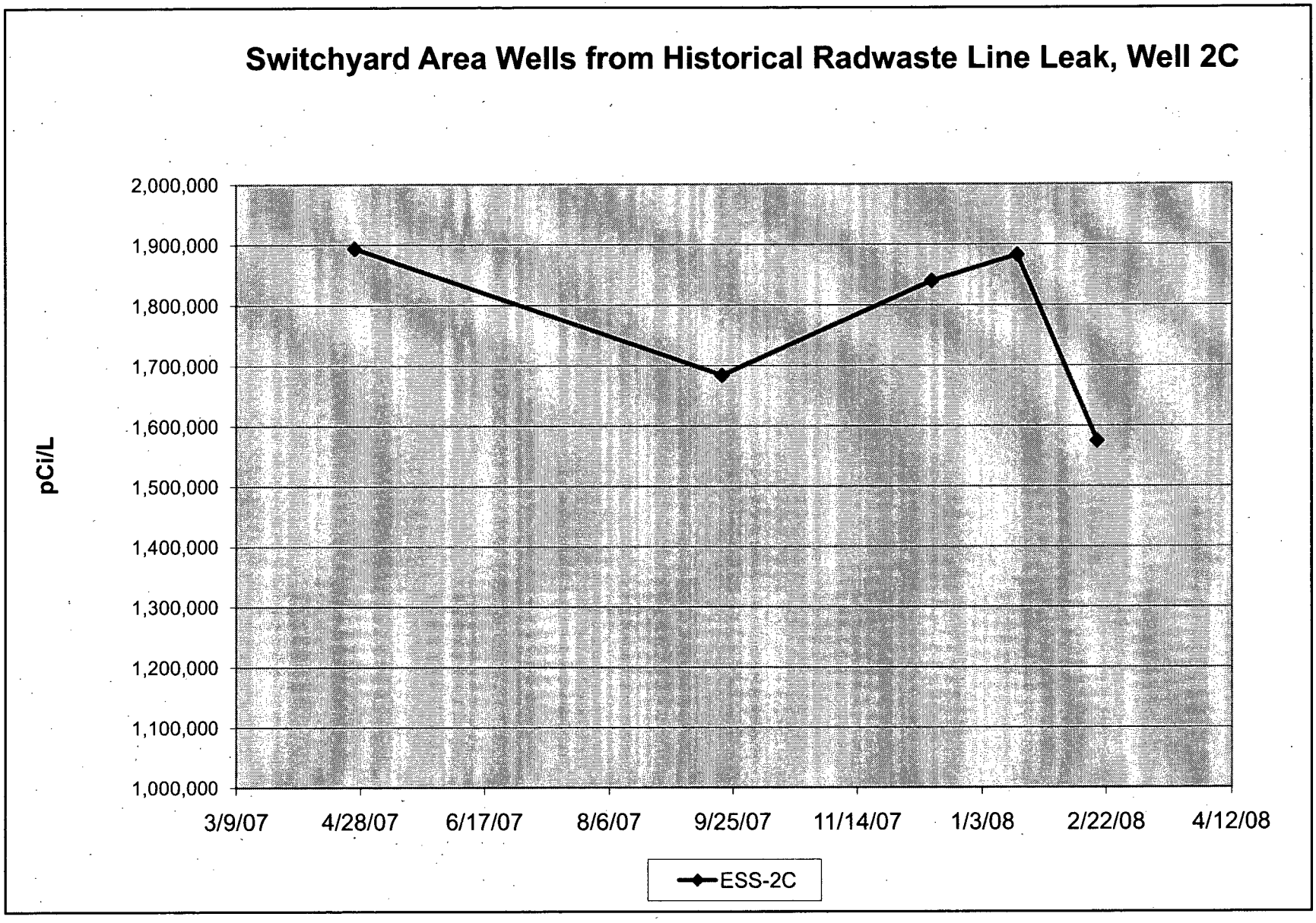

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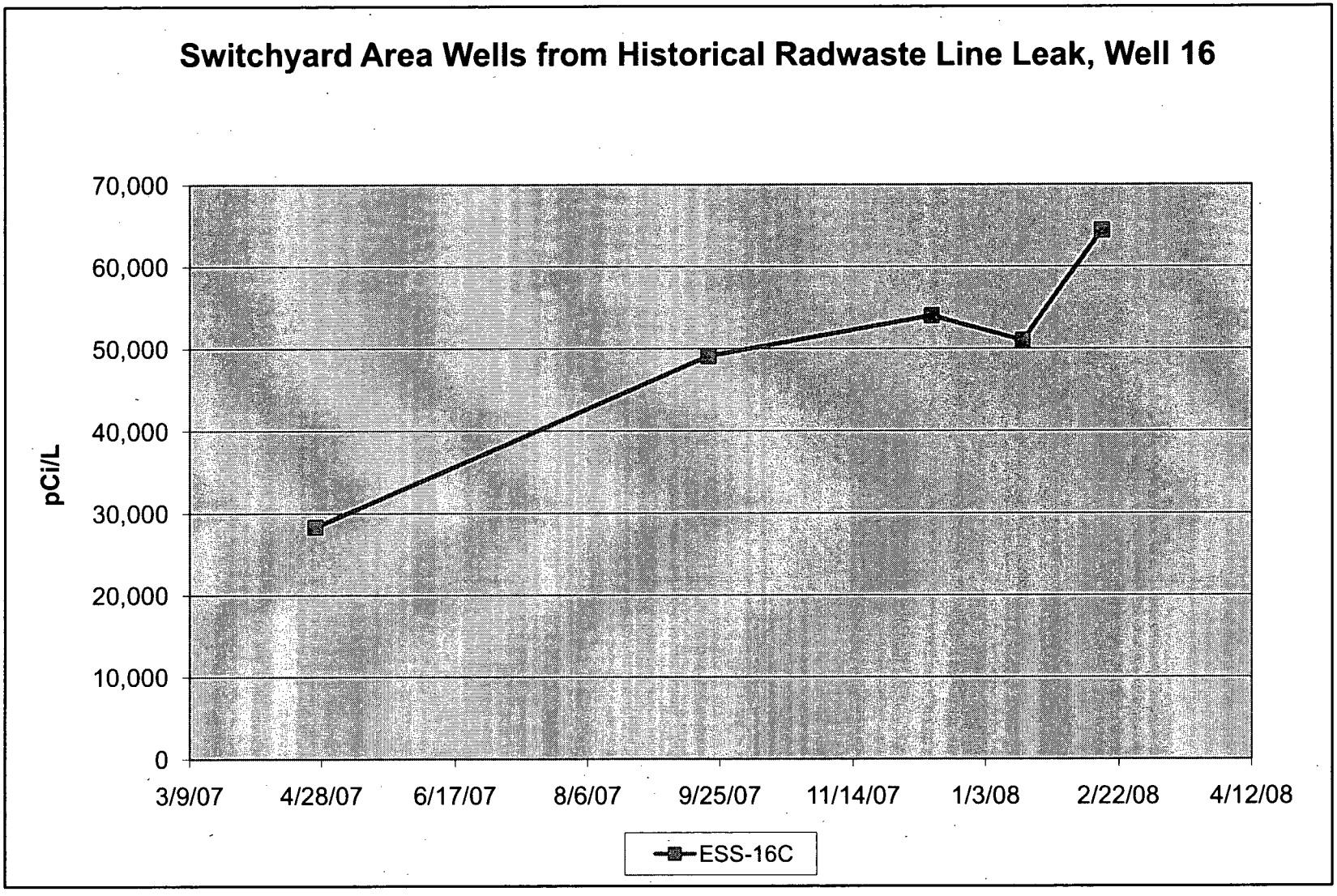

Progress Energy

Miscellaneous Wells-2

Well	Well Depth (ft)	Sample Date	Tritium Sample Results (pCi/L)
ESS-2C	23	2/18/08	1,575,000
ESS-16	25.4	2/15/08	64,220

Progress Energy