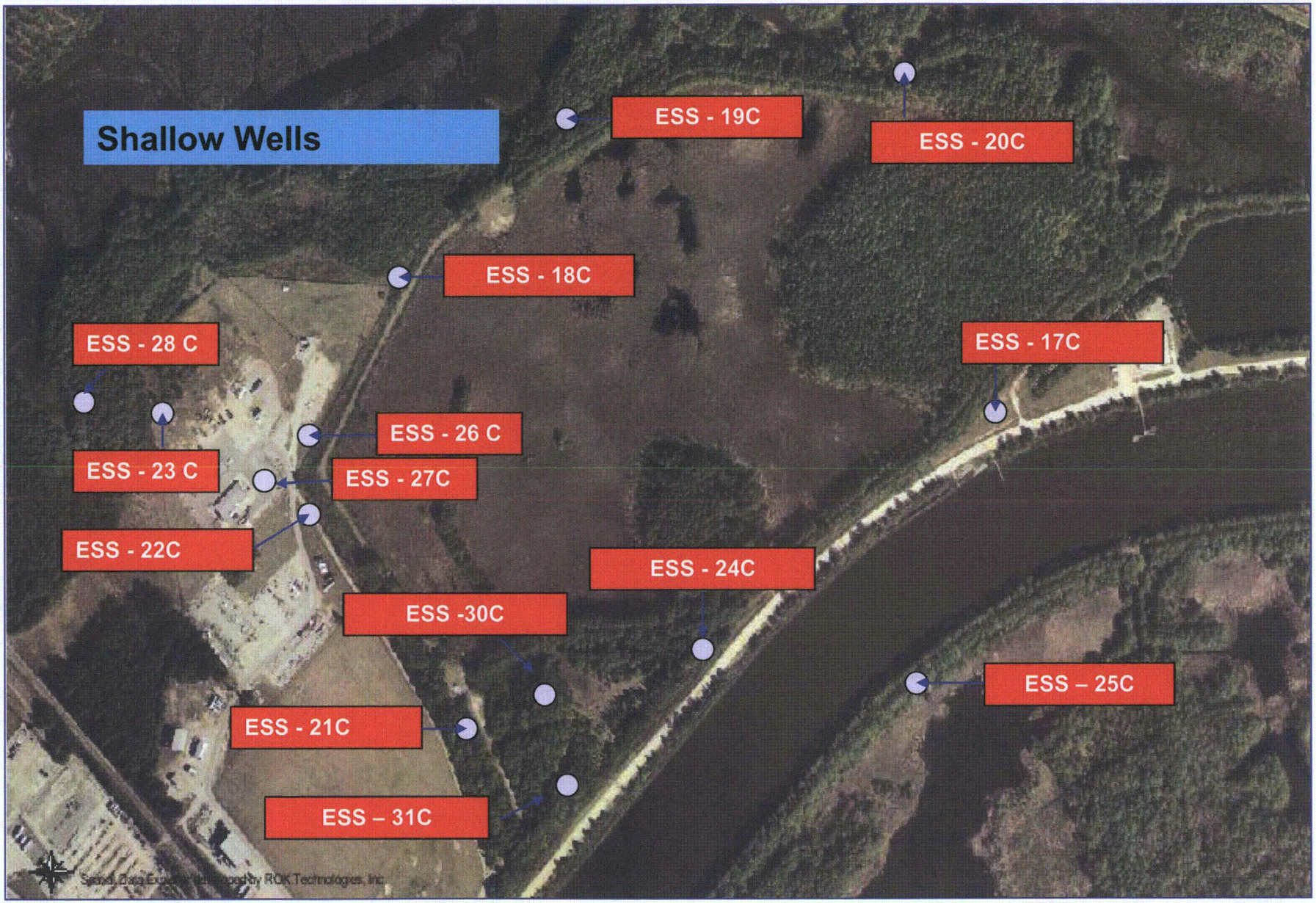
Brunswick Nuclear Plant

Groundwater Well Sample Results

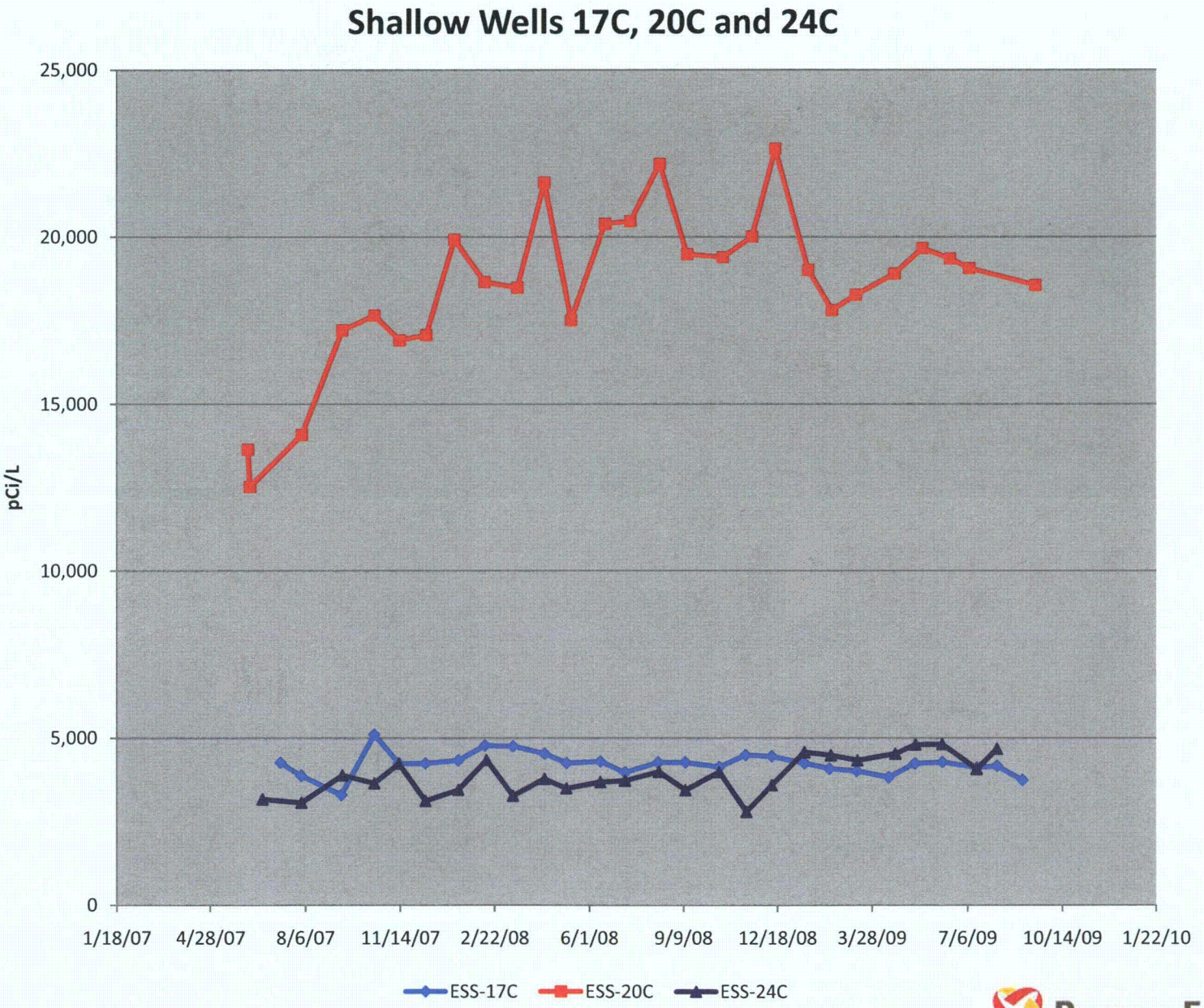
Updated 10/8/09

Progress Energy



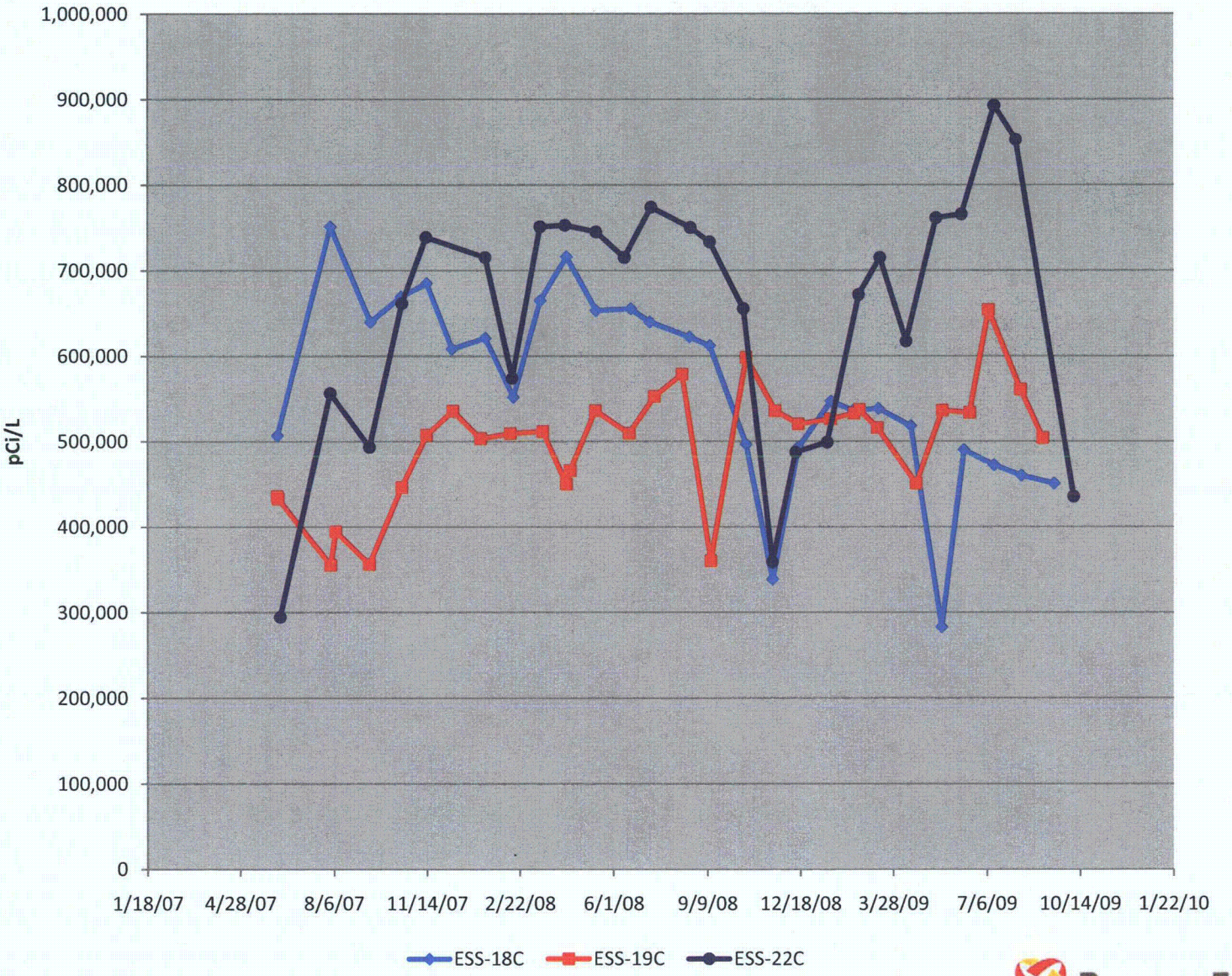
2 Groundwater Well Sample Results

Progress Energy



Progress Energy

Shallow Wells 18C, 19C and 22C



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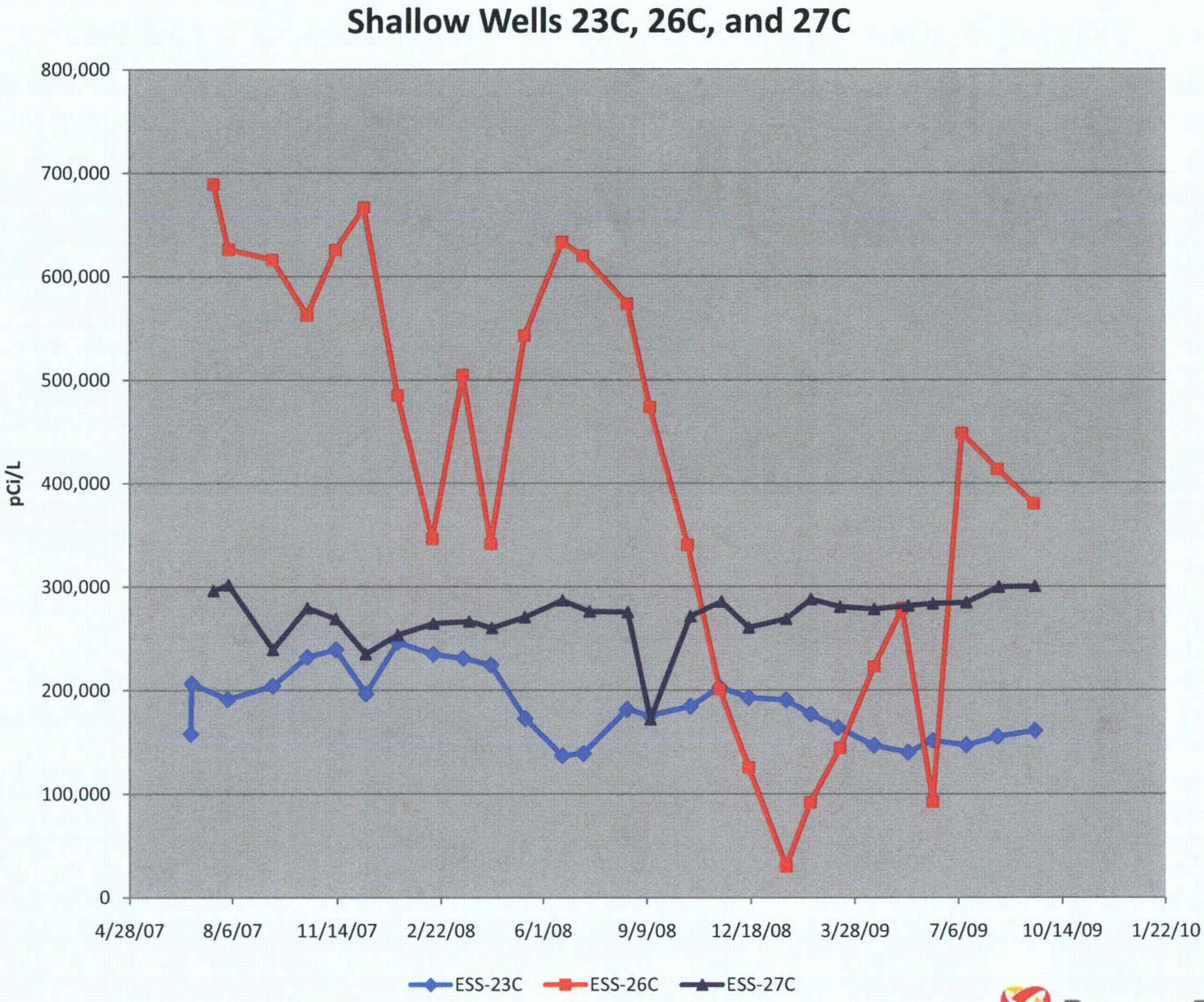

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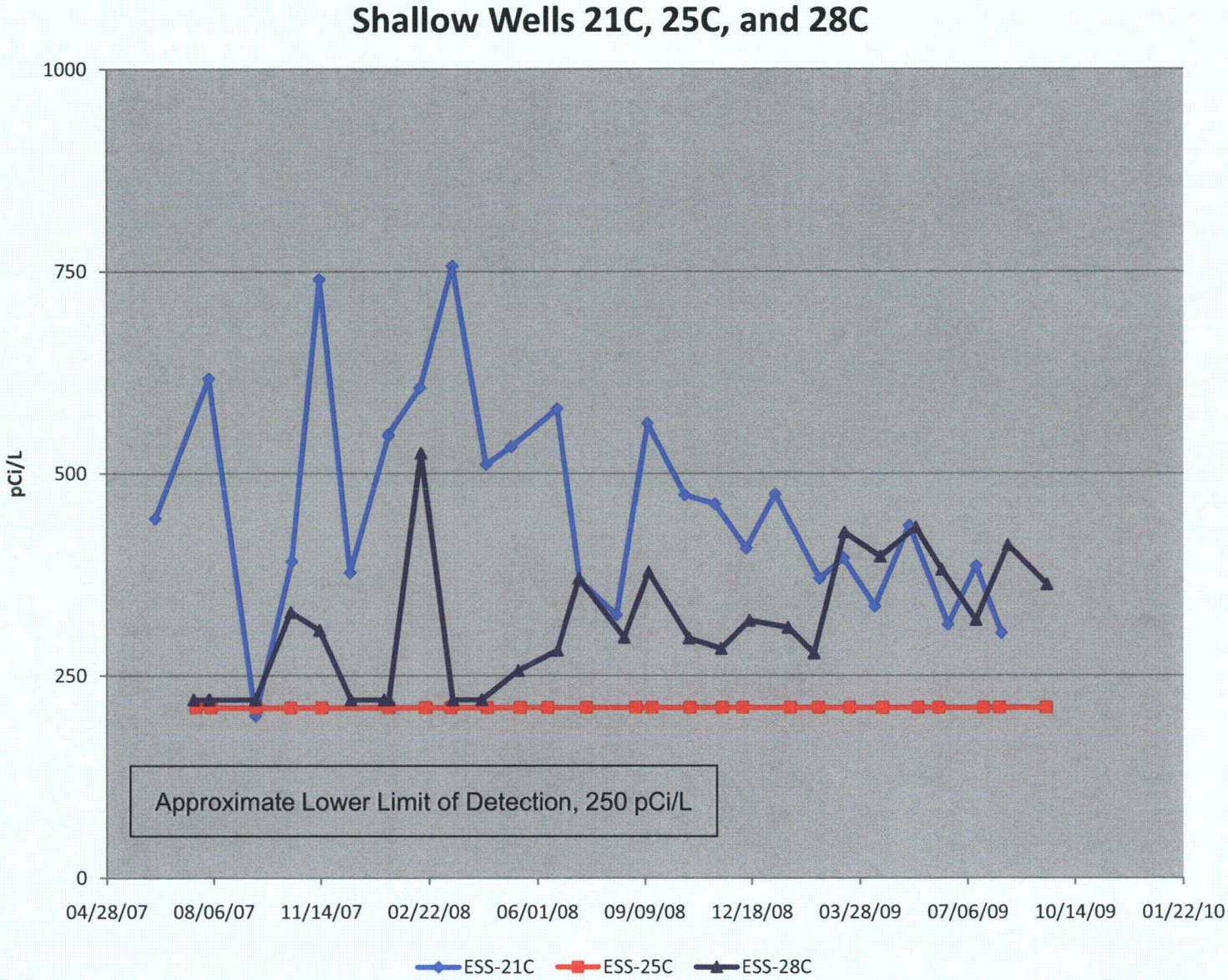

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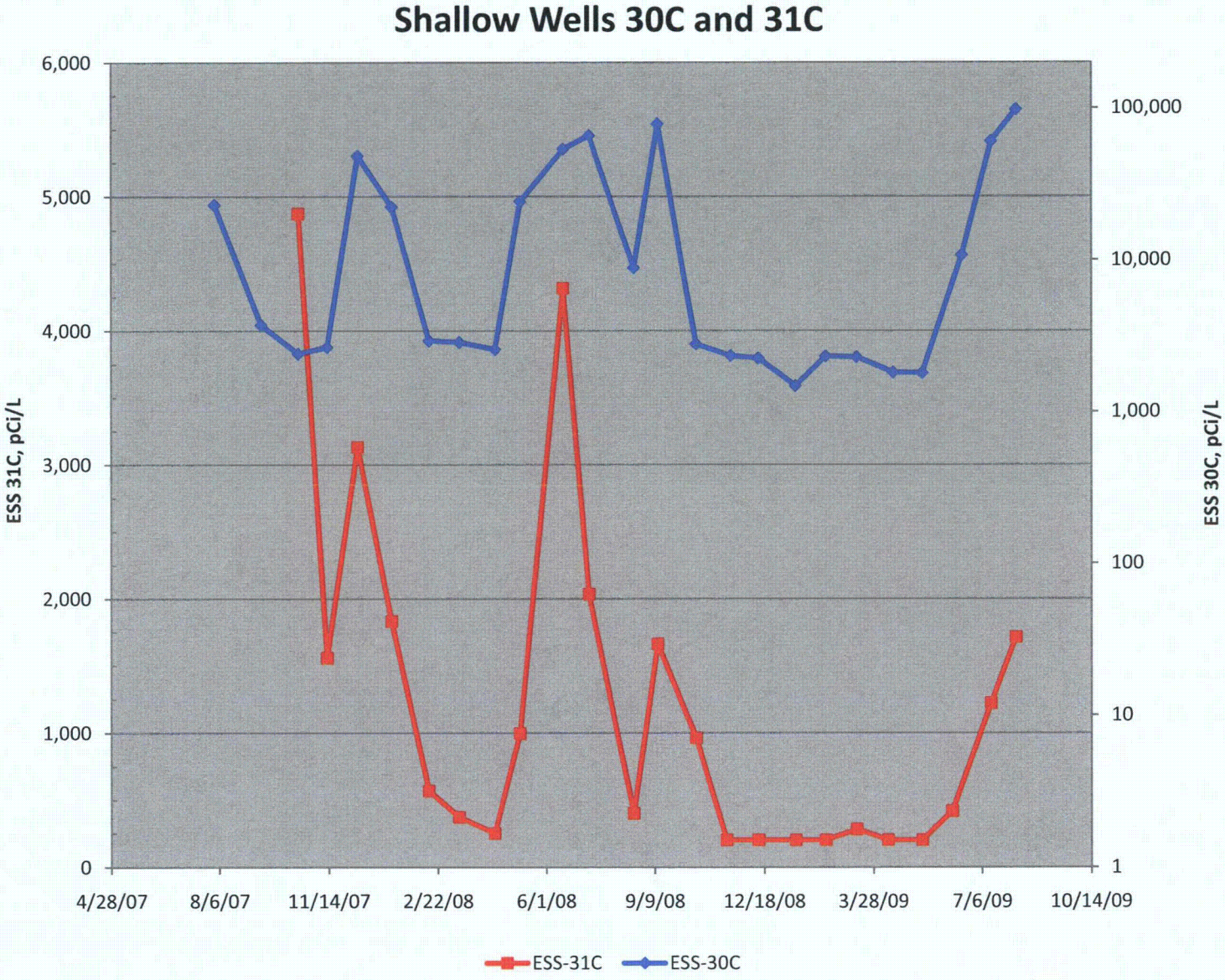

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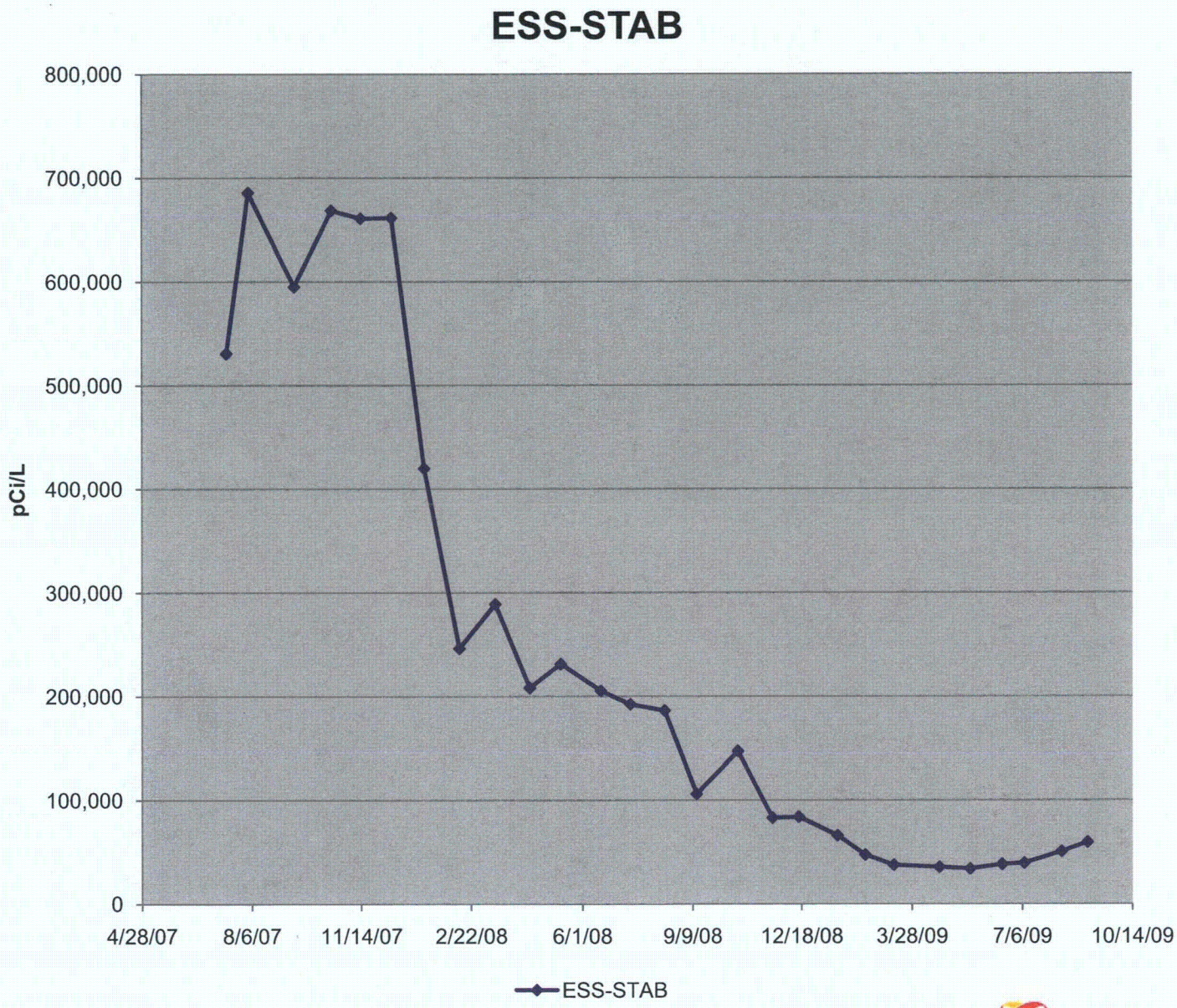
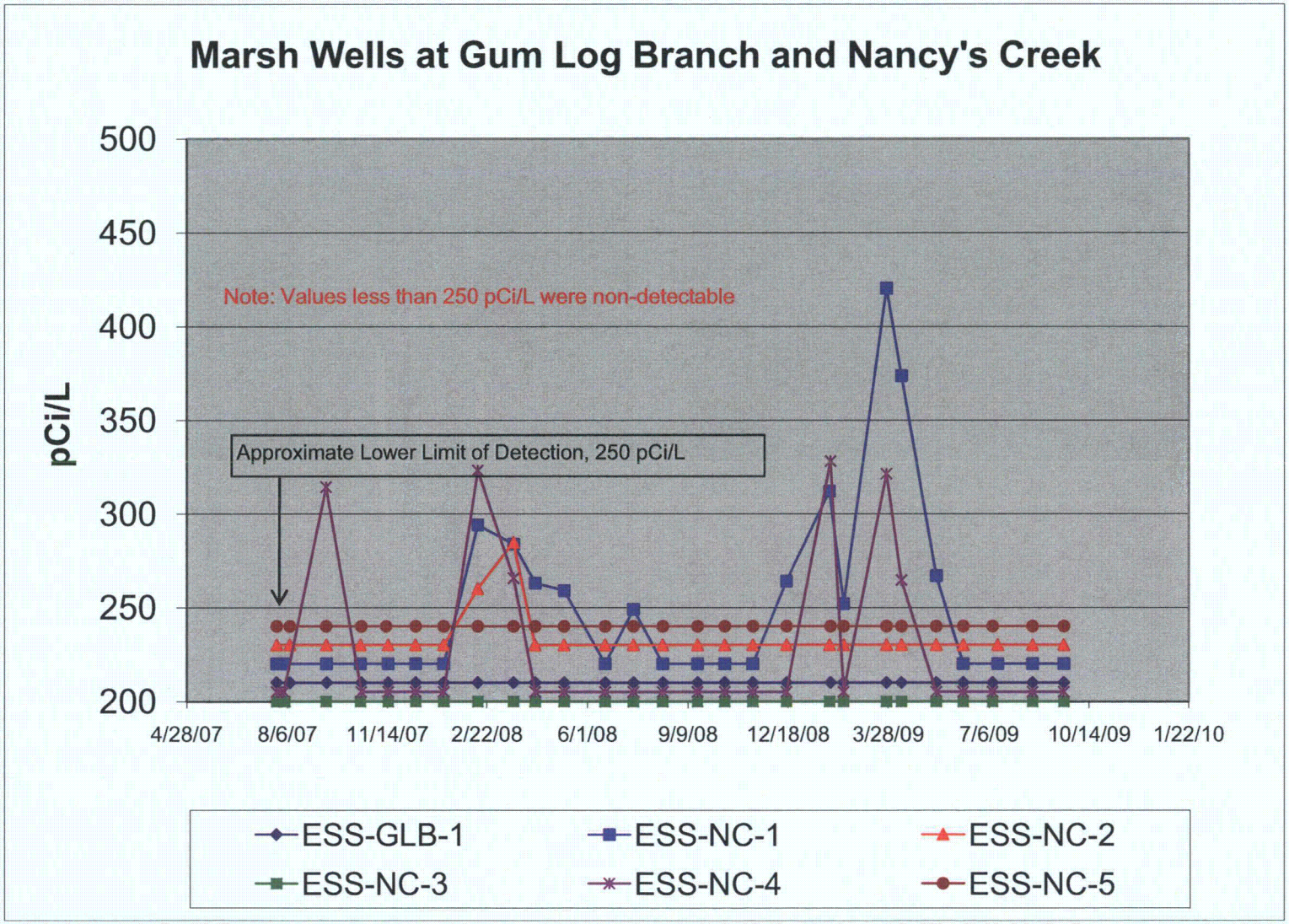


Progress Energy

Latest Shallow Well Data

Well	Well Depth (ft)	Sample Date	Sample Results (pCi/L)
ESS-17C	26	9/1/09	3,729
ESS-18C	20	9/15/09	450,500
ESS-19C	20	9/3/09	503,700
ESS-20C	20.5	9/15/09	18,540
ESS-21C	20	8/6/09	303
ESS-22C	20	10/6/09	435,200
ESS-23C	23	9/17/09	160,700
ESS-24C	18	8/5/09	4,666
ESS-25C	22	8/4/09	<LLD
ESS-26C	15	9/16/09	379,800
ESS-27C	15.5	9/17/09	300,000
ESS-28C	23	9/17/09	362
ESS-30C	15	8/6/09	97,200
ESS-31C	15	8/6/09	1,709
ESS-STAB	31	9/3/09	59,310

Progress Energy



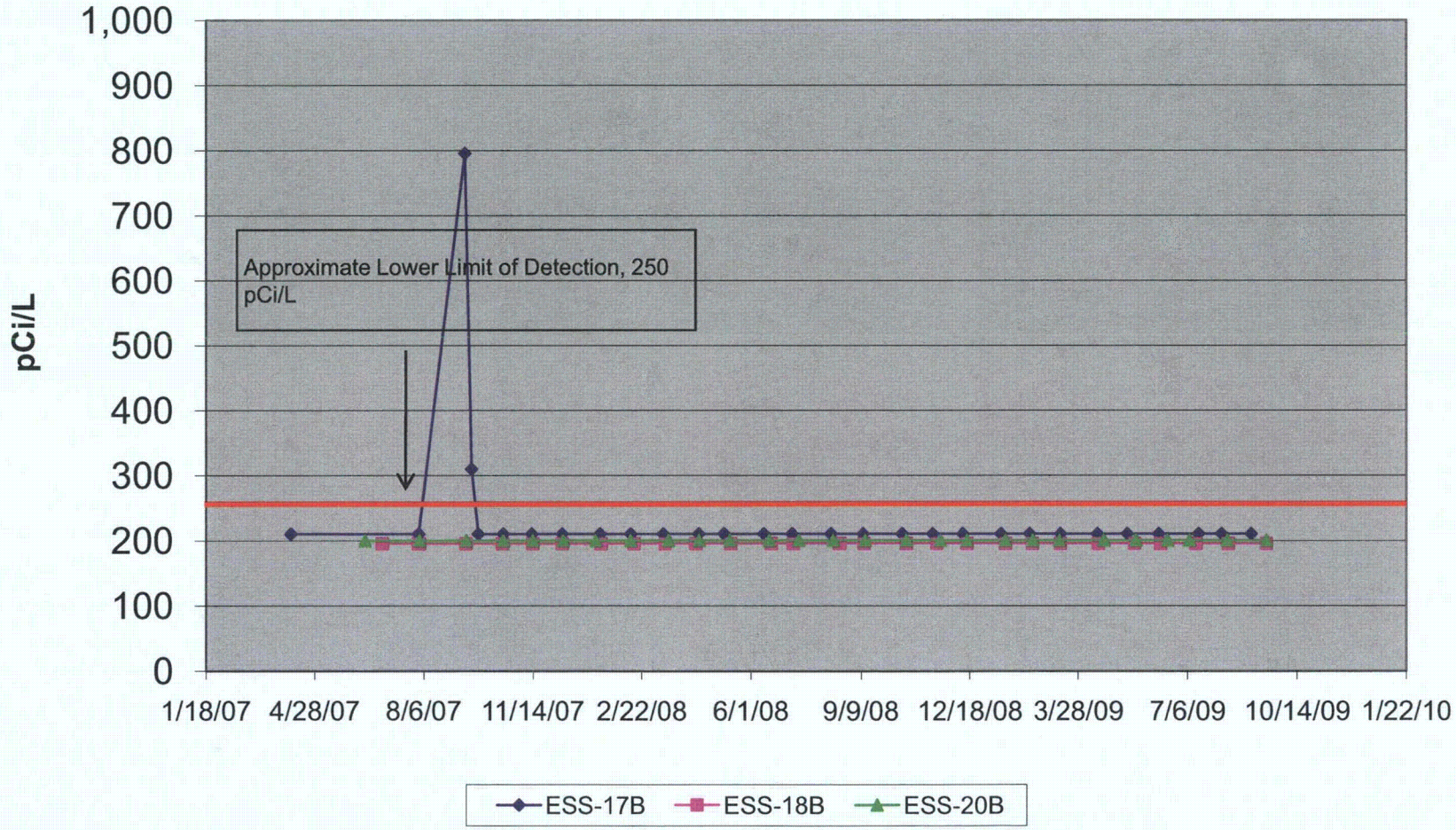
Progress Energy

Latest Marsh Well Data

Well	Well Depth (ft)	Sample Date	Tritium Sample Results (pCi/L)
ESS-NC-1	7.5	9/18/09	<LLD
ESS-NC-2	8	9/18/09	<LLD
ESS-NC-3	8	9/18/09	<LLD
ESS-NC-4	8	9/18/09	<LLD
ESS-NC-5	8	9/18/09	<LLD
ESS-GLB-1	8	9/18/09	<LLD

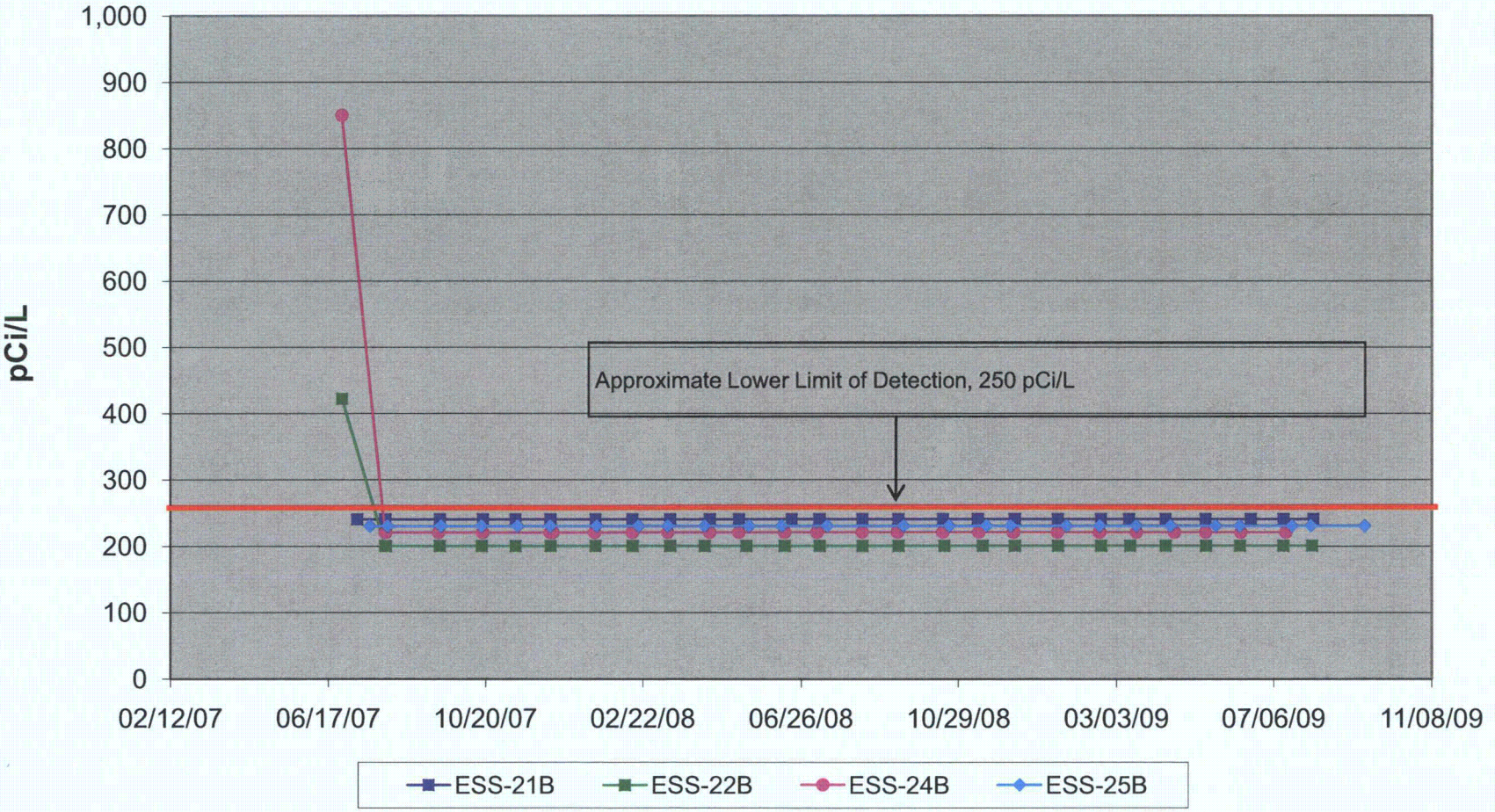
Progress Energy

Intermediate Wells 17B, 18B, and 20B Near Pond



Progress Energy

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



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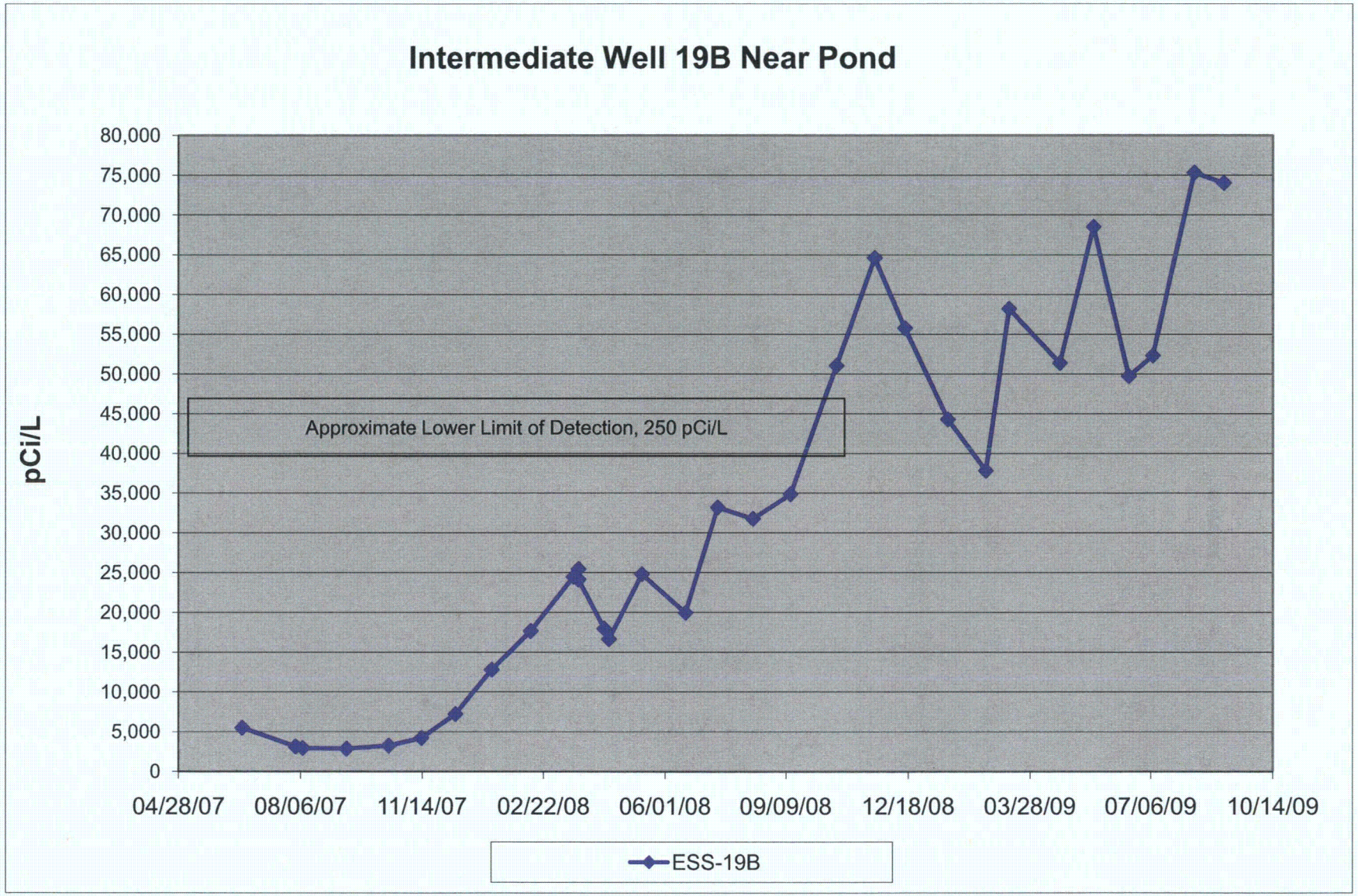
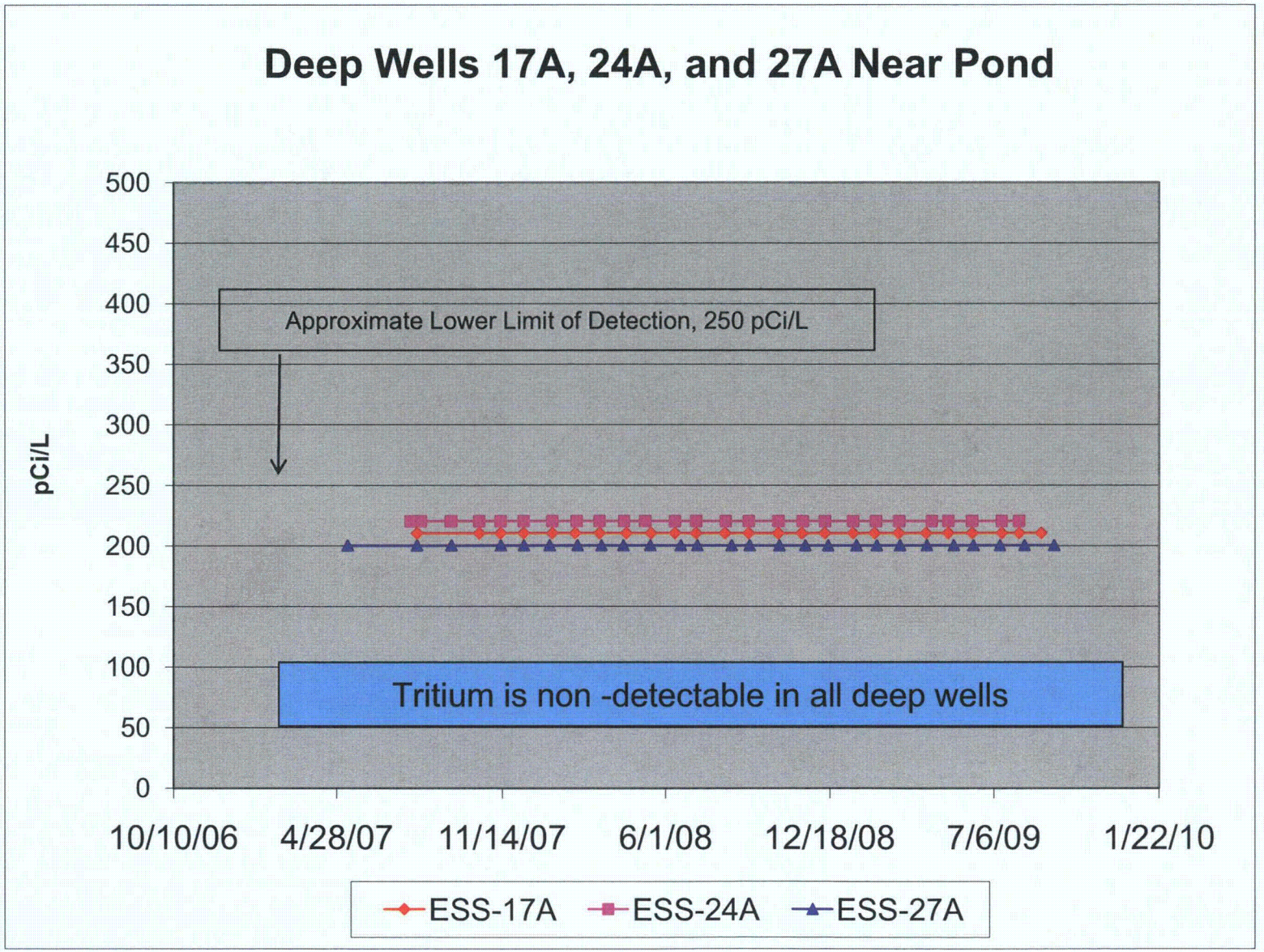


Progress Energy

Latest Intermediate Well Sample Data

Well	Well Depth (ft)	Sample Date	Sample Results (pCi/L)
ESS-17B	53	9/1/09	<LLD
ESS-18B	63	9/15/09	<LLD
ESS-19B	42	9/3/09	73,990
ESS-20B	43	9/15/09	<LLD
ESS-21B	67	8/6/09	<LLD
ESS-22B	76	8/5/09	<LLD
ESS-24B	53	7/15/09	<LLD
ESS-25B	43	9/18/09	<LLD

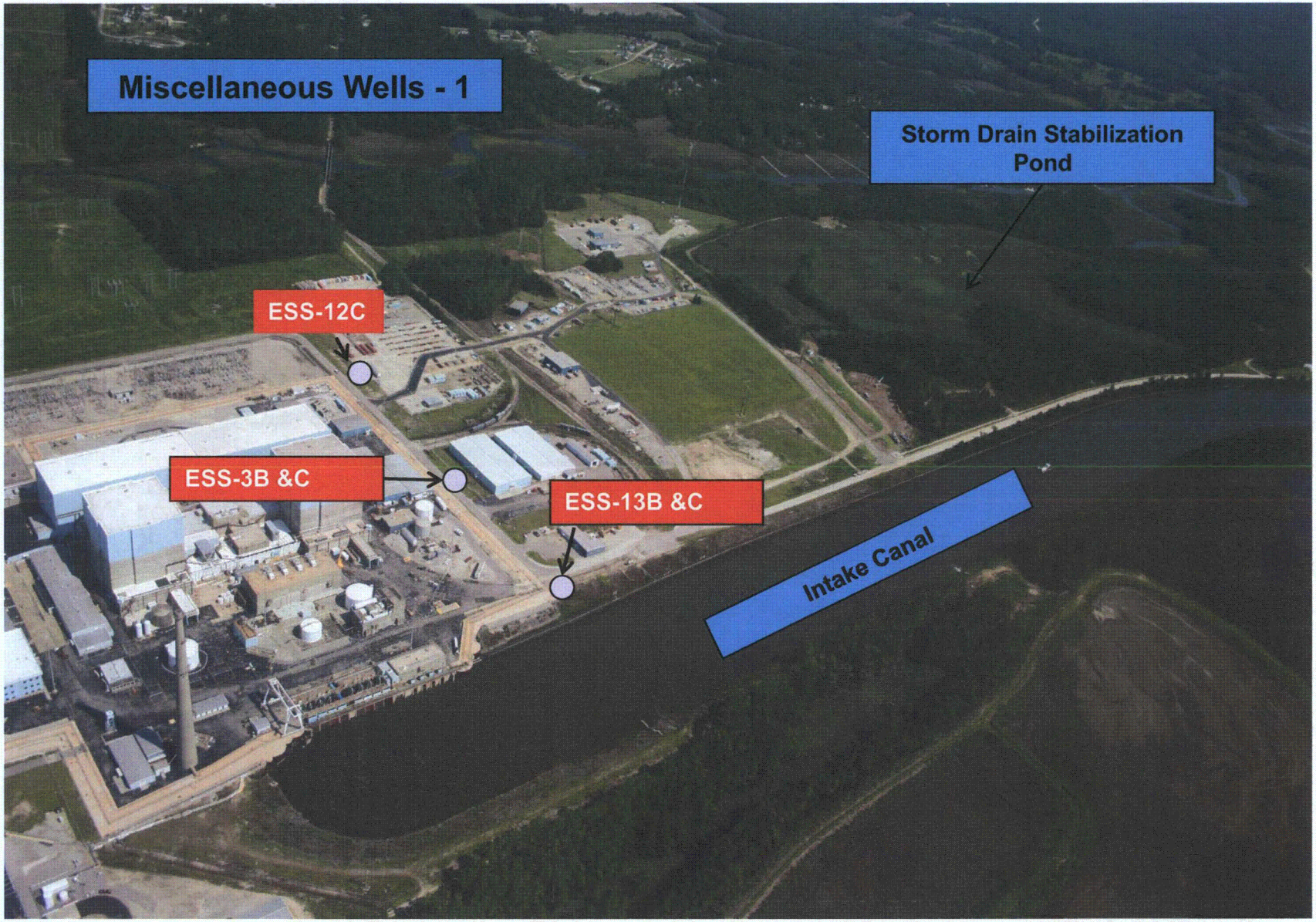
Progress Energy



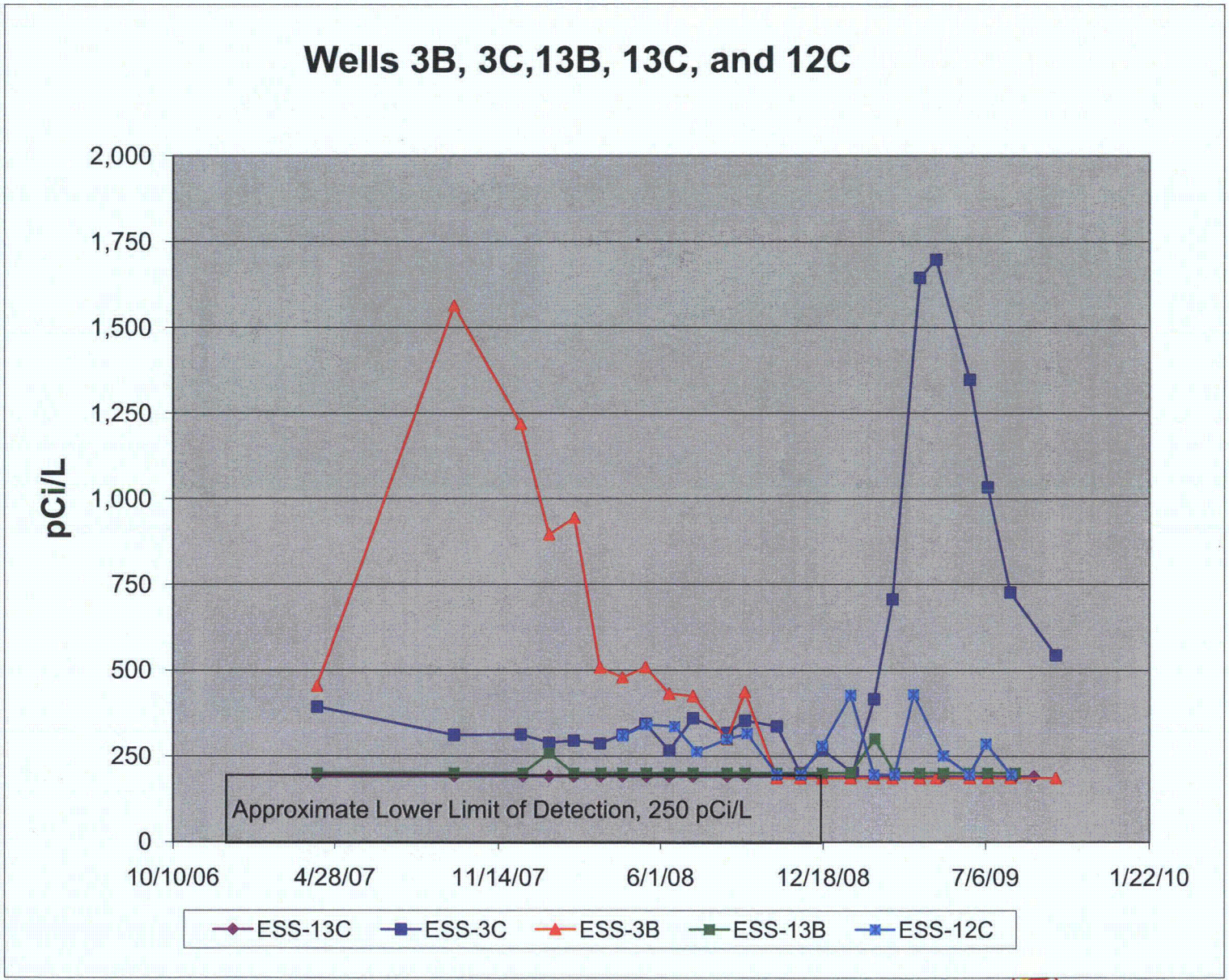
Progress Energy

Latest Deep Well Sample Data

Well	Well Depth (ft)	Sample Date	Tritium Sample Results (pCi/L)
ESS-17A	150	9/1/09	<LLD
ESS-24A	140	8/5/09	<LLD
ESS-27A	140	9/17/09	<LLD



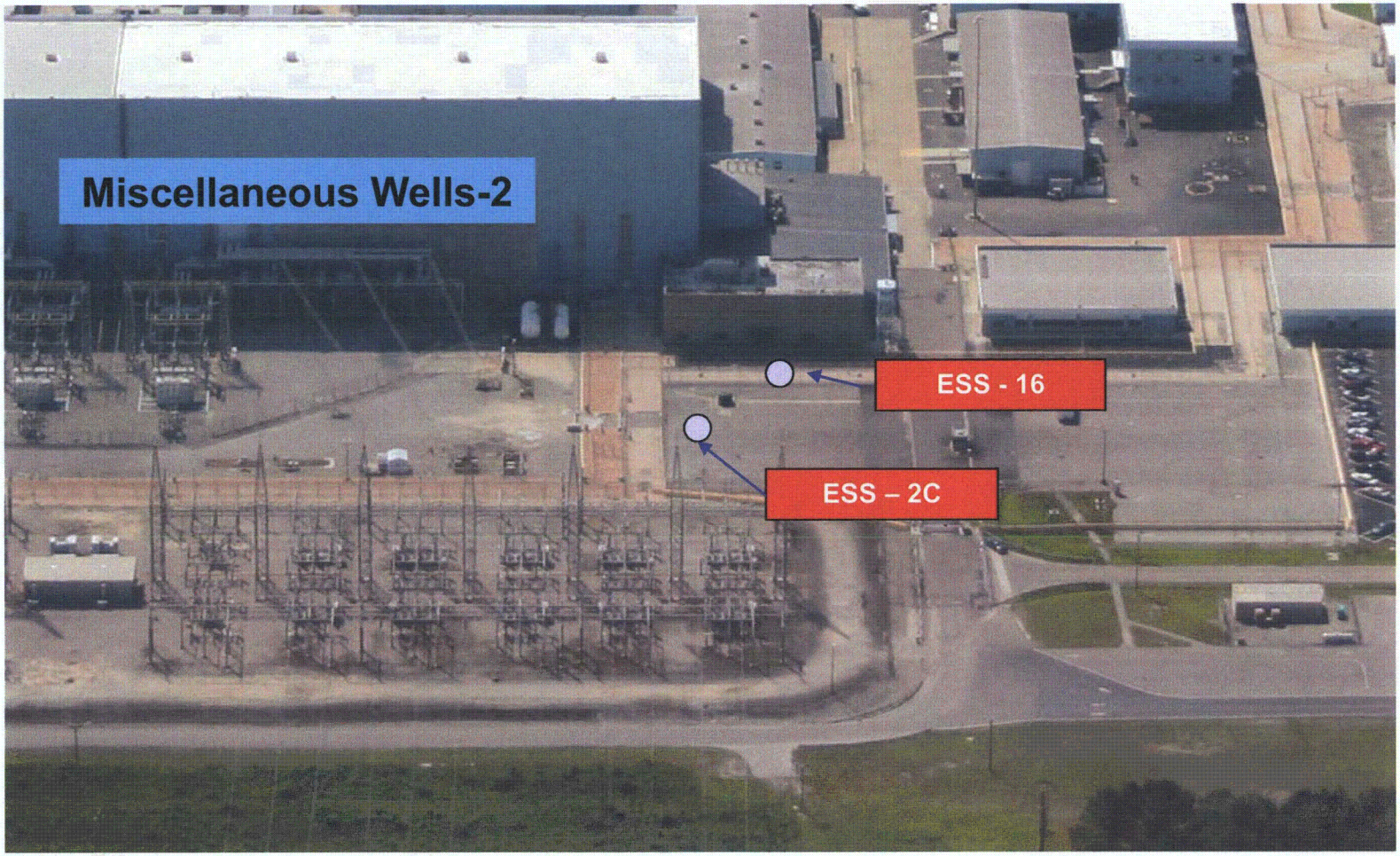
Progress Energy



Progress Energy

Miscellaneous Wells-1

Well	Well Depth (ft)	Sample Date	Tritium Sample Results (pCi/L)
ESS-3B	52.4	9/29/09	<LLD
ESS-3C	14.3	9/29/09	543
ESS-13B	56.5	8/11/09	<LLD
ESS-13C	24.8	9/3/09	<LLD
ESS-12C	14.9	8/6/09	<LLD



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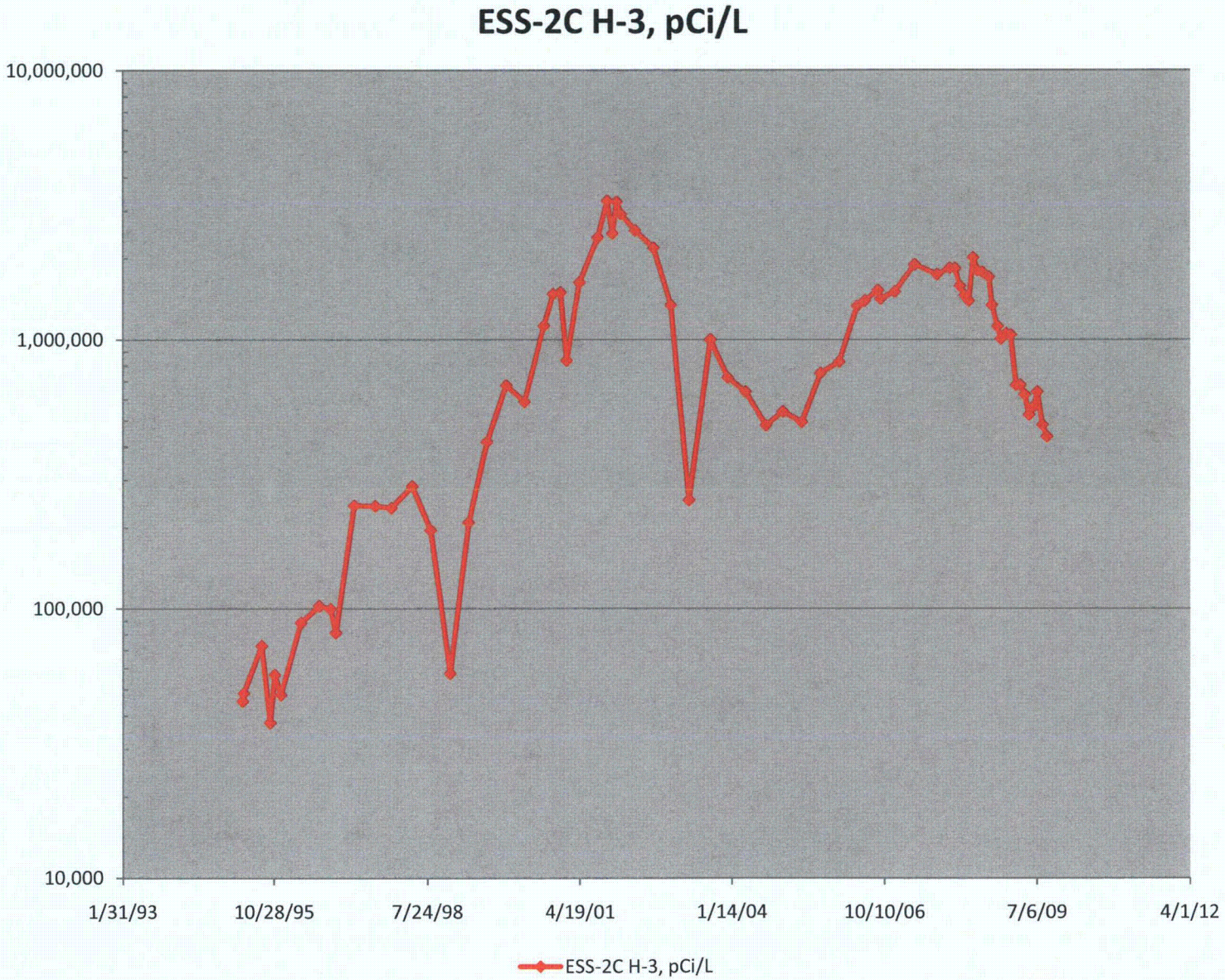
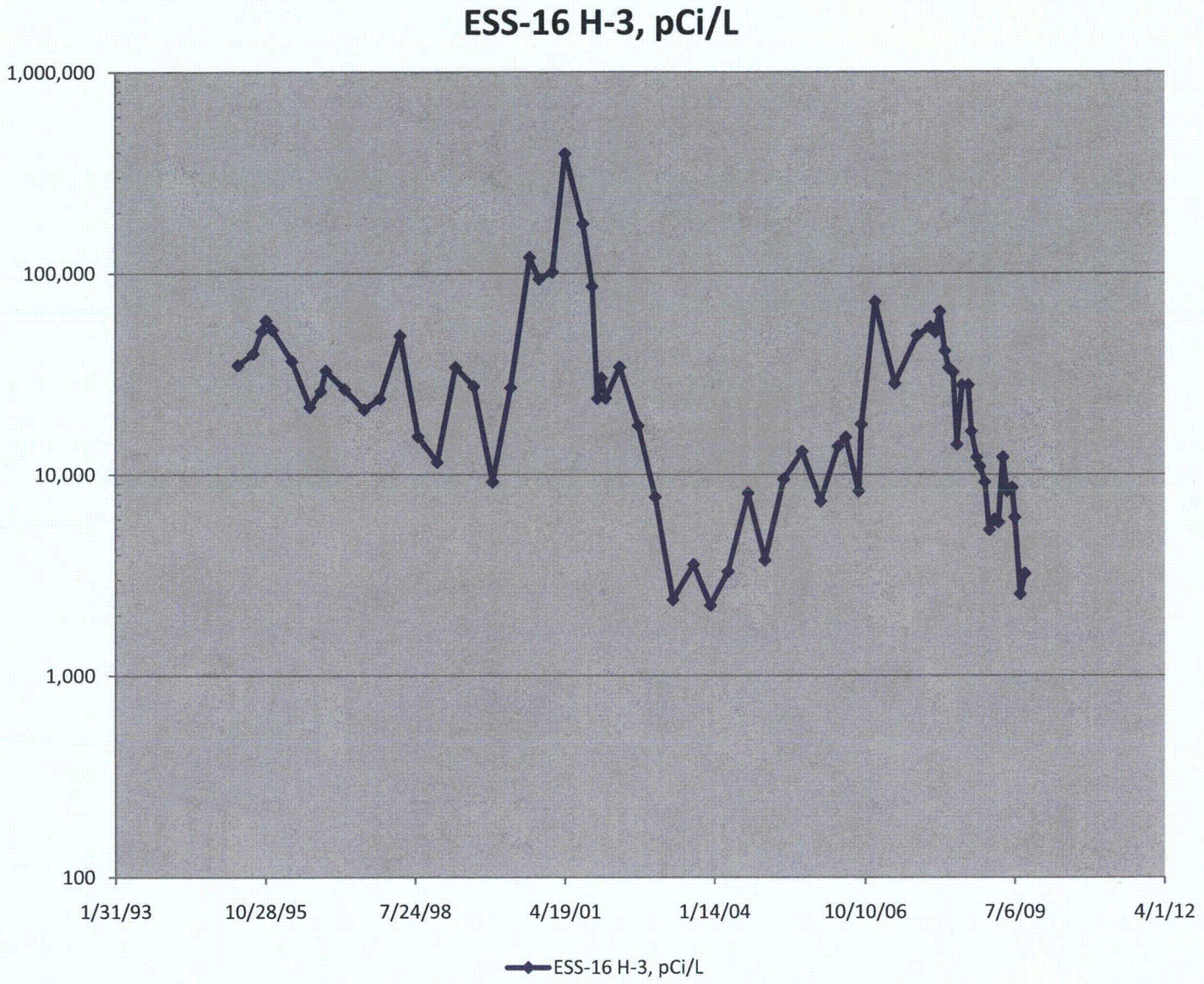


Progress Energy

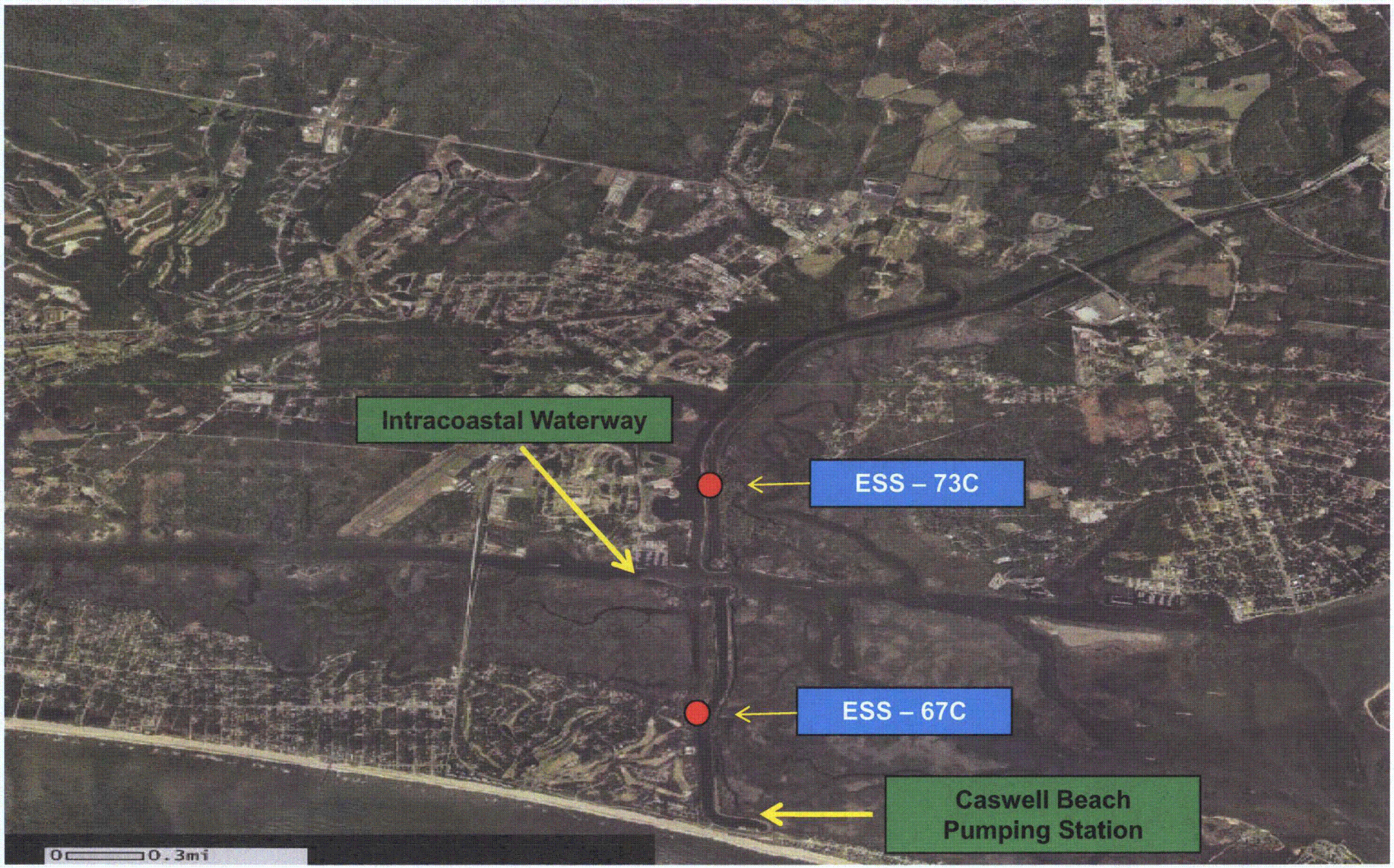


Progress Energy

Miscellaneous Wells-2

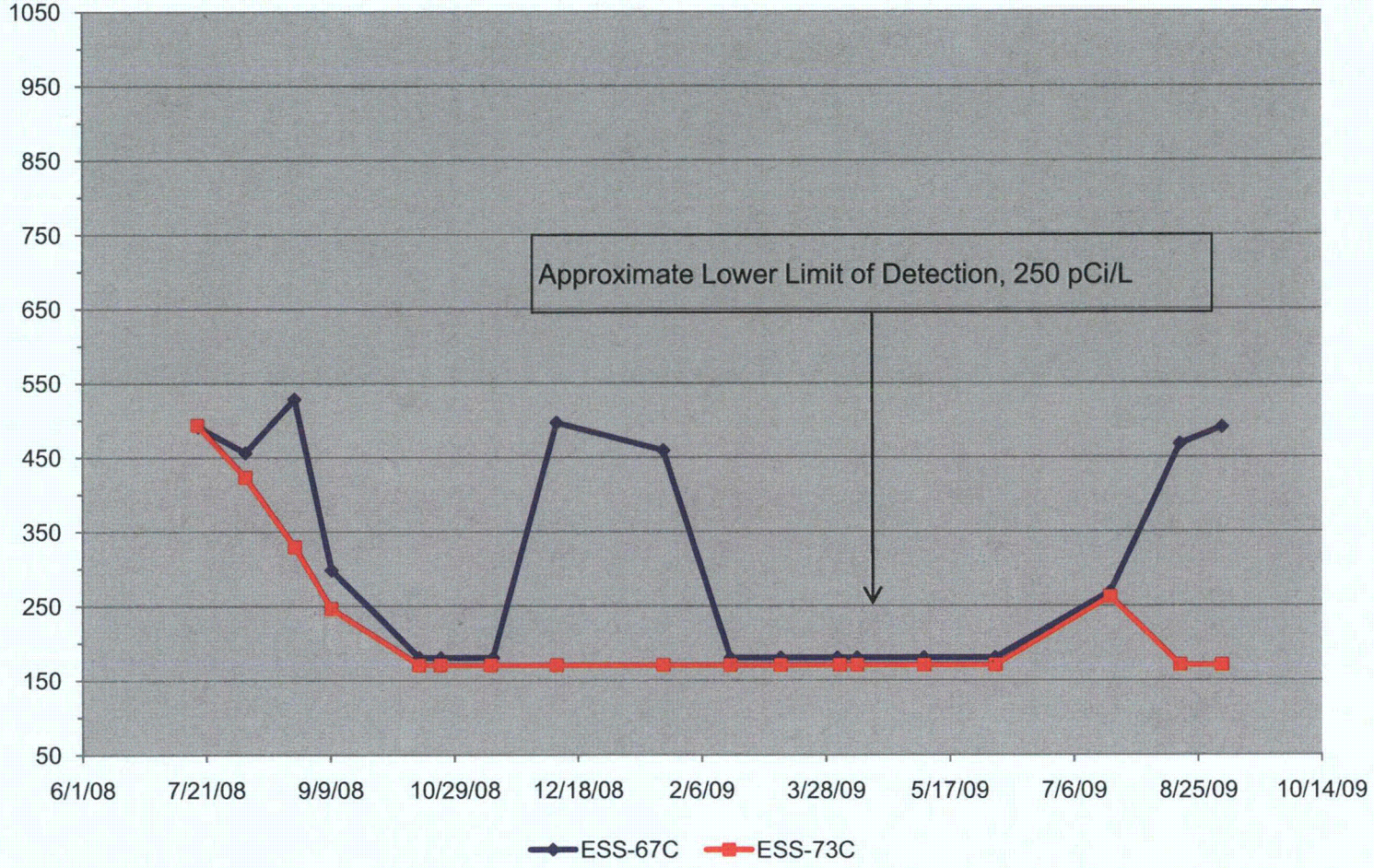
Well	Well Depth (ft)	Sample Date	Tritium Sample Results (pCi/L)
ESS-2C	23	9/7/09	433,900
ESS-16	25.4	9/9/09	3,197

Discharge Canal Wells 67C and 73C



Progress Energy

Discharge Canal Wells 67C and 73C



Progress Energy

Discharge Canal Wells 67C and 73C

Well	Well Depth (ft)	Sample Date	Tritium Sample Results (pCi/L)
ESS-67C	25	9/3/09	490
ESS-73C	15	9/3/09	262