



Westinghouse Electric Company
Nuclear Fuel
Columbia Fuel Fabrication Facility
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USA

SCDES, BLWM
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Your ref:
Our ref: LTR-RAC-25-29

June 16, 2025

Subject: **May 2025 CA Progress Report**

Mr. Cassidy:

In accordance with Item 19 of Consent Agreement (CA) 19-02-HW, this progress report is being submitted to you, including the following requested information:

- (a) a brief description of the actions which Westinghouse has taken toward achieving compliance with the Consent Agreement during the previous month;
- (b) results of sampling and tests, in tabular summary format received by Westinghouse during the reporting period;
- (c) a brief description of all actions which are scheduled for the next month to achieve compliance with the Consent Agreement, and other information relating to the progress of the work as deemed necessary or requested by the Department; and
- (d) information regarding the percentage of work completed and any delays encountered or anticipated that may affect the approved schedule for implementation of the terms of the Consent Agreement, and a description of efforts made to mitigate delays or avoid anticipated delays.

In response to the above requirements, the following is being reported to the Department since the last progress report submitted on **May 8, 2025**. The following progress report is for work occurring from **May 1- 31, 2025**:

- (a) Actions during the previous month:
 - Planning for the Middle Ditch removal action continued.
 - Construction planning support for the new LEU+ building continued. Once the final building location is determined, CFFF will submit any required permit applications to SCDES for approval. This includes relocating/abandonment of any wells that assure the ongoing effectiveness of the CFFF environmental monitoring program.
 - Continued planning for implementation of the Pilot Study Work Plan. Weather impacts have resulted in schedule delays for the well drilling company. Currently, field implementation of the Pilot Study Work Plan is scheduled to begin in early July.
- (b) Results of sampling and tests:
 - Semi-annual Groundwater Sampling (118 wells)**
 - Tabulated results of the semiannual groundwater sampling campaign conducted in April 2025 are included in **Attachment A as Table A**.

- Potentiometric and plume figures from the April 2025 groundwater sampling campaign are included as **Attachment B**.
- (c) Brief description of all actions which are scheduled for the next month:
- Continue to support LEU+ construction planning.

Pilot Study Work Plan

- Submit the necessary permits to SCDES to install the CVOC pilot study area performance monitoring wells and inject the remedial amendment.
 - Continue planning for the implementation of the pilot study work.
- (d) Percentage of work completed, and any delays encountered or anticipated:
- 100% of the **Remedial Investigation** is complete.
 - 100% of the **Groundwater Flow Model** is completed.
 - 100% of the **Feasibility Study Work Plan** is completed.
 - 100% of the **Groundwater Fate and Transport Model** is completed.
 - 90% of the **Feasibility Study** is completed.
 - 100% of the **Pilot Study Work Plan** is completed.
 - 7% of the Pilot Study is implemented.
 - Currently there are no anticipated delays.

Respectfully,



Diana P. Joyner
Lead Environmental Engineer
Westinghouse Electric Company, CFFF
803.497.7062 (m)

cc : N. Parr, Environmental Manager
J. Ferguson, EH&S Manager
J. Grant, AECOM Project Manager
S. Subosits, Licensing Manager
ENOVIA Records

Attachment A: Table A April 2025 Groundwater Analytical Results (118 wells)

Attachment B: April 2025 Groundwater Sampling Event Potentiometric and Plume Figures

Attachment A

Groundwater Analytical Results

April 2025 (118 wells)

Table A - April 2025 Groundwater Analytical Results Summary
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

Analyte			Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Nitrate as N	Fluoride	Uranium-234	Uranium-235	Uranium-238	Total Uranium Isotopes	Technetium-99
MCL			5	5	70	2	10	4				30	900
Units			ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	pCi/L
Well	Date	Type											
W-RW1	4/9/2025	N	1.38	< 1.00	< 1.00	< 1.00	1.22	0.0611 J	< 0.0500	< 0.0700	< 0.200	< 0.200	0 ##
W-RW2	4/15/2025	N	94.1	5.52	0.740 J	< 1.00	12.8	0.337	< 0.0500	< 0.0700	< 0.200	< 0.200	6.31
W-3A	4/21/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	< 0.100	< 0.100	< 0.0500	< 0.0700	0.0930 J	0.0930 J	3.01 #
W-4R	4/21/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	0.155 J	0.113	< 0.0500	< 0.0700	< 0.200	< 0.200	1.10 #
W-6	4/8/2025	N	15.6	2.27	2.25	< 1.00	307	0.846	< 0.0500	< 0.0700	0.456	0.456	1790
W-7A	4/3/2025	N	0.790 J	< 1.00	< 1.00	< 1.00	196	12.1	< 0.0500	< 0.0700	0.556	0.556	141
W-10	4/3/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	13.0	2.45	< 0.0500	< 0.0700	0.0743 J	0.0743 J	79.7
W-11	4/3/2025	N	42.0	5.50	4.19	< 1.00	15.8	< 0.100	< 0.0500	< 0.0700	< 0.200	< 0.200	503
W-13R	4/7/2025	N	10.3	1.24	0.390 J	< 1.00	14.1	8.84	< 0.0500	< 0.0700	0.258	0.258	70.8
W-14	4/17/2025	N	2.25	0.740 J	< 1.00	< 1.00	0.786	0.0896 J	< 0.0500	< 0.0700	0.229	0.229	2.30 #
W-15	4/16/2025	N	5.97	1.33	0.820 J	< 1.00	37.6	2.18	< 0.0500	< 0.0700	< 0.200	< 0.200	180
W-16	4/17/2025	N	0.960 J	0.400 J	< 1.00	< 1.00	1.57	5.39	< 0.0500	< 0.0700	< 0.200	< 0.200	8.45
W-17	4/10/2025	N	3.76	0.920 J	0.810 J	< 1.00	13.3	3.18	< 0.0500	< 0.0700	0.176 J	0.176	497
W-18R	4/3/2025	N	1.12	< 1.00	< 1.00	< 1.00	323	7.08	< 0.0500	0.0205 J	1.94	1.96	151
W-19B	4/10/2025	N	14.7	0.370 J	< 1.00	< 1.00	3.49	0.0407 J	< 0.0500	< 0.0700	< 0.200	< 0.200	0 ##
W-20	4/21/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	< 0.100	0.0555 J	< 0.0500	< 0.0700	< 0.200	< 0.200	2.57 #
W-22	4/8/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	95.0	4.64	< 0.0500	0.0126 J	0.597	0.610	36.2
W-23R	4/17/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	0.645	0.0340 J	< 0.0500	< 0.0700	< 0.200	< 0.200	0 ##
W-24	4/17/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	< 0.100	0.0561 J	< 0.0500	< 0.0700	< 0.200	< 0.200	0.146 #
W-25	4/21/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	0.0880 J	0.105	< 0.0500	< 0.0700	< 0.200	< 0.200	3.87 #
W-26	4/15/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	2.40	1.91	< 0.0500	< 0.0700	0.0696 J	0.0696 J	5.61
W-27	4/21/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	< 0.200	2.33	< 0.0500	< 0.0700	0.152 J	0.152 J	3.75 #
W-28	4/3/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	9.11	7.25	< 0.0500	0.0214 J	1.03	1.05	1.55 #
W-29	4/3/2025	N	0.530 J	< 1.00	< 1.00	< 1.00	17.7	4.25	< 0.0500	< 0.0700	0.532	0.532	10.7
W-30	4/3/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	108	8.91	< 0.0500	0.192	8.43	8.63	33.8
W-32	4/3/2025	N	0.680 J	< 1.00	< 1.00	< 1.00	123	3.35	< 0.0500	< 0.0700	0.107 J	0.107 J	324
W-33	4/10/2025	N	254	21.7	1.32	< 1.00	8.01	0.180	< 0.0500	< 0.0700	< 0.200	< 0.200	2.43 #
W-35	4/9/2025	N	0.920 J	< 1.00	< 1.00	< 1.00	2.44	0.0471 J	< 0.0500	< 0.0700	< 0.200	< 0.200	0 ##
W-36	4/10/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	0.260	< 0.100	< 0.0500	< 0.0700	< 0.200	< 0.200	0 ##
W-37	4/8/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	1.42	0.0735 J	< 0.0500	< 0.0700	< 0.200	< 0.200	0.760 #
W-38	4/3/2025	N	0.660 J	7.11	< 1.00	< 1.00	2.94	0.402	< 0.0500	< 0.0700	0.103 J	0.103 J	0 ##
W-39	4/14/2025	N	332	4.85	8.97	< 1.00	43.8	0.0608 J	< 0.0500	< 0.0700	0.0837 J	0.0837 J	2.16 #
W-40	4/10/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	1.49	0.261	< 0.0500	< 0.0700	0.234	0.234	0 ##
W-41R	4/15/2025	N	204	10.1	4.37	< 1.00	34.2	< 0.100	< 0.0500	< 0.0700	< 0.200	< 0.200	6.21
W-42	4/15/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	3.25	1.29	< 0.0500	< 0.0700	< 0.200	< 0.200	0 ##
W-43	4/14/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	4.83	< 0.100	< 0.0500	< 0.0700	< 0.200	< 0.200	0 ##
W-44	4/14/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	1.55	< 0.100	< 0.0500	< 0.0700	< 0.200	< 0.200	0 ##
W-45	4/9/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	0.188 J	0.542	< 0.0500	0.0117 J	0.471	0.483	0.861 #
W-46	4/16/2025	N	1.90	0.580 J	< 1.00	< 1.00	7.79	0.0521 J	< 0.0500	< 0.0700	< 0.200	< 0.200	53.4
W-47	4/16/2025	N	0.820 J	0.340 J	< 1.00	< 1.00	30.9	4.55	< 0.0500	< 0.0700	< 0.200	< 0.200	81.0
W-48	4/16/2025	N	156	3.28	1.32	< 1.00	5.25	0.384	< 0.0500	< 0.0700	< 0.200	< 0.200	11.8
W-49	4/15/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	< 0.100	< 0.100	< 0.0500	< 0.0700	< 0.200	< 0.200	0 ##
W-50	4/10/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	< 0.100	0.0622 J	< 0.0500	< 0.0700	< 0.200	< 0.200	0 ##
W-50	4/10/2025	FD	< 1.00	< 1.00	< 1.00	< 1.00	0.239	0.0619 J	< 0.0500	< 0.0700	< 0.200	< 0.200	0.936 #
W-51	4/9/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	< 0.100	0.176	< 0.0500	< 0.0700	< 0.200	< 0.200	1.78 #
W-52	4/8/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	1.17	0.451	< 0.0500	0.0486 J	1.75	1.80	0.426 #
W-53	4/8/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	0.632	0.120	< 0.0500	< 0.0700	0.100 J	0.100 J	0.750 #
W-54	4/8/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	1.17	0.139	< 0.0500	< 0.0700	< 0.200	< 0.200	1.03 #
W-55	4/4/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	1.22	0.0603 J	0.0170 J	1.98	59.5	61.5	1.67 #
W-56	4/4/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	1.81	0.283	0.0840	9.50	287	297	4.00 #
W-57	4/4/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	1.14	0.0963 J	< 0.0500	0.0167 J	0.533	0.550	0.592 #

Table A - April 2025 Groundwater Analytical Results Summary
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

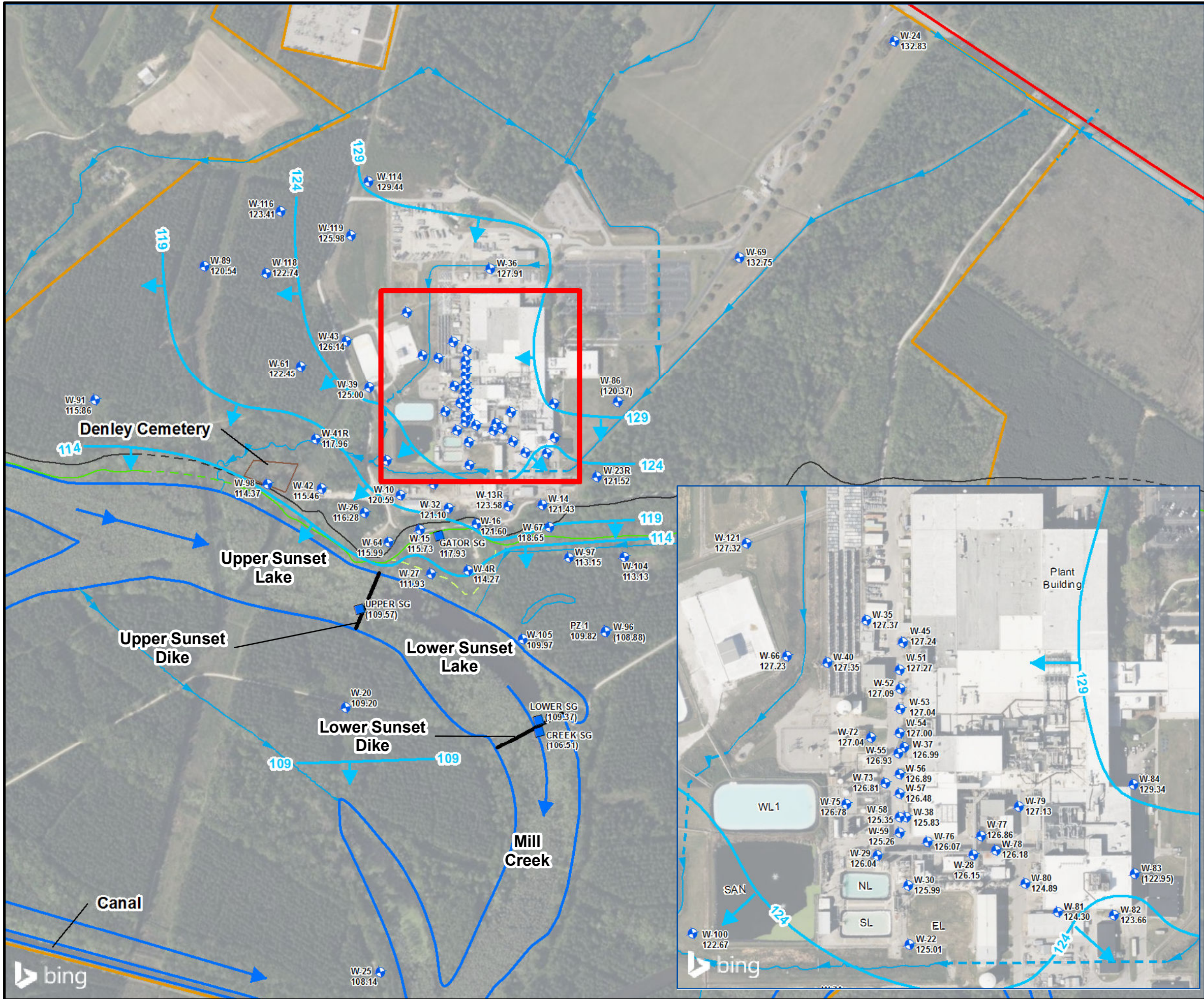
Analyte			Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Nitrate as N	Fluoride	Uranium-234	Uranium-235	Uranium-238	Total Uranium Isotopes	Technetium-99
MCL			5	5	70	2	10	4				30	900
Units			ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	pCi/L
Well	Date	Type											
W-58	4/4/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	9.71	0.116	< 0.0500	0.0122 J	0.392	0.405	1.70 #
W-59	4/4/2025	N	0.440 J	< 1.00	< 1.00	< 1.00	11.3	1.52	< 0.0500	0.0693 J	2.24	2.31	7.26
W-60	4/14/2025	N	< 1.00	0.580 J	< 1.00	< 1.00	0.181	< 0.100	< 0.0500	< 0.0700	< 0.200	< 0.200	0.312 #
W-61	4/14/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	2.33	< 0.100	< 0.0500	< 0.0700	0.0962 J	0.0962 J	0.353 #
W-62	4/10/2025	N	28.8	0.470 J	< 1.00	< 1.00	3.38	< 0.100	< 0.0500	< 0.0700	< 0.200	< 0.200	0 ##
W-63	4/15/2025	N	1.65	1.01	< 1.00	< 1.00	5.62	0.0831 J	< 0.0500	0.0106 J	1.31	1.32	19.7
W-64	4/16/2025	N	1.19	< 1.00	< 1.00	< 1.00	34.8	3.96	< 0.0500	< 0.0700	0.0849 J	0.0849 J	99.4
W-65	4/14/2025	N	406	31.8	10.2	< 1.00	1.40	0.0978 J	< 0.0500	< 0.0700	0.0749 J	0.0749 J	1.81 #
W-66	4/14/2025	N	725	18.6	32.2	< 1.00	1.88	< 0.100	< 0.0500	< 0.0700	< 0.200	< 0.200	0.468 #
W-66	4/14/2025	FD	705	18.9	32.3	< 1.00	1.86	< 0.100	< 0.0500	< 0.0700	< 0.200	< 0.200	0 ##
W-67	4/17/2025	N	29.0	5.36	0.990 J	< 1.00	9.29	0.0332 J	< 0.0500	< 0.0700	< 0.200	< 0.200	38.4
W-67	4/17/2025	FD	30.0	5.53	0.940 J	< 1.00	9.23	0.0599 J	< 0.0500	< 0.0700	< 0.200	< 0.200	43.4
W-68	4/10/2025	N	29.5	0.640 J	< 1.00	< 1.00	2.31	0.0389 J	< 0.0500	< 0.0700	< 0.200	< 0.200	1.99 #
W-69	4/11/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	0.590	0.0550 J	< 0.0500	< 0.0700	0.0849 J	0.0849	0 ##
W-70	4/11/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	1.12	< 0.100	< 0.0500	< 0.0700	0.0773 J	0.0773	0 ##
W-71	4/11/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	< 0.100	< 0.100	< 0.0500	< 0.0700	0.0923 J	0.0923	0 ##
W-72	4/8/2025	N	0.530 J	< 1.00	< 1.00	< 1.00	2.44	0.323	< 0.0500	0.0154 J	0.479	0.494	0.770 #
W-73	4/8/2025	N	0.420 J	< 1.00	< 1.00	< 1.00	0.985	0.0679 J	< 0.0500	< 0.0700	0.117 J	0.117 J	0.135 #
W-73	4/8/2025	FD	0.390 J	< 1.00	< 1.00	< 1.00	0.977	0.0706 J	< 0.0500	< 0.0700	0.125 J	0.125 J	0.111 #
W-74	4/8/2025	N	5.08	1.33	0.480 J	< 1.00	5.13	< 0.100	< 0.0500	< 0.0700	< 0.200	< 0.200	0.528 #
W-75	4/8/2025	N	0.500 J	< 1.00	< 1.00	< 1.00	0.995	0.102	< 0.0500	< 0.0700	< 0.200	< 0.200	0 ##
W-76	4/8/2025	N	0.630 J	10.5	< 1.00	< 1.00	12.8	2.14	< 0.0500	0.129	3.79	3.92	0.174 #
W-77	4/4/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	6.11	11.8	0.0140 J	1.64	36.4	38.1	4.52
W-78	4/7/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	4.48	9.14	< 0.0500	< 0.0700	0.0722 J	0.0722 J	1.00 #
W-79	4/4/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	3.78	1.39	< 0.0500	< 0.0700	< 0.200	< 0.200	2.57 #
W-80	4/7/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	8.76	0.195	< 0.0500	< 0.0700	0.125 J	0.125 J	2.20 #
W-81	4/8/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	4.05	< 0.100	< 0.0500	< 0.0700	0.143 J	0.143 J	0.0347 #
W-82	4/7/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	1.56	0.0614 J	< 0.0500	< 0.0700	0.445	0.445	1.77 #
W-83	4/7/2025	N	< 1.00	0.370 J	< 1.00	< 1.00	0.884	0.143	< 0.0500	< 0.0700	0.0809 J	0.0809 J	0 ##
W-84	4/7/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	< 0.200	0.0652 J	< 0.0500	< 0.0700	0.105 J	0.105 J	0.513 #
W-85	4/17/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	< 0.100	0.203	< 0.0500	< 0.0700	< 0.200	< 0.200	0.730 #
W-86	4/17/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	< 0.100	0.398	< 0.0500	< 0.0700	0.0992 J	0.0992 J	0 ##
W-87	4/9/2025	N	13.8	3.46	< 1.00	< 1.00	0.759	0.0835 J	< 0.0500	< 0.0700	0.245	0.245	0.548 #
W-88	4/2/2025	N	0.560 J	< 1.00	< 1.00	< 1.00	2.72	< 0.10	< 0.0500	< 0.0700	< 0.200	< 0.200	0.352 #
W-89	4/2/2025	N	0.380 J	< 1.00	< 1.00	< 1.00	1.66	< 0.10	< 0.0500	< 0.0700	< 0.200	< 0.200	1.76 #
W-90	4/10/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	1.63	< 0.100	< 0.0500	< 0.0700	< 0.200	< 0.200	0 ##
W-91	4/10/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	0.850	< 0.100	< 0.0500	< 0.0700	< 0.200	< 0.200	0 ##
W-92	4/21/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	< 0.200	0.366	< 0.0500	< 0.0700	< 0.200	< 0.200	5.54
W-93	4/4/2025	N	20.5	3.13	< 1.00	< 1.00	6.73	< 0.100	< 0.0500	< 0.0700	< 0.200	< 0.200	0 ##
W-94	4/22/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	0.0773 J	0.0760 J	< 0.0500	< 0.0700	< 0.200	< 0.200	3.30 #
W-95	4/22/2025	N	< 1.00	< 1.00	2.07	0.870 J	< 0.100	0.0814 J	< 0.0500	< 0.0700	< 0.200	< 0.200	2.76 #
W-96	4/18/2025	N	0.800 J	1.84	0.930 J	< 1.00	0.134	0.0827 J	< 0.0500	< 0.0700	< 0.200	< 0.200	1.39 #
W-97	4/18/2025	N	7.15	2.31	< 1.00	< 1.00	8.27	0.319	< 0.0500	< 0.0700	< 0.200	< 0.200	40.4
W-98	4/15/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	5.66	< 0.100	< 0.0500	< 0.0700	< 0.200	< 0.200	1.98 #
W-99	4/15/2025	N	6.09	1.24	1.03	< 1.00	1.04	2.45	< 0.0500	< 0.0700	< 0.200	< 0.200	50.6
W-100	4/16/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	1.37	1.98	< 0.0500	< 0.0700	0.220	0.220	61.0
W-102	4/3/2025	N	24.9	3.55	2.14	< 1.00	50.0	4.53	< 0.0500	0.0210 J	1.15	1.17	76.4
W-103	4/17/2025	N	15.8	3.40	0.550 J	< 1.00	6.83	< 0.100	< 0.0500	< 0.0700	< 0.200	< 0.200	19.0
W-104	4/18/2025	N	2.19	0.950 J	< 1.00	< 1.00	5.94	0.0593 J	< 0.0500	< 0.0700	< 0.200	< 0.200	3.60 #
W-105	4/18/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	< 0.100	0.157	< 0.0500	< 0.0700	< 0.200	< 0.200	0.236 #
W-106	4/16/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	< 0.200	0.229	< 0.0500	< 0.0700	< 0.200	< 0.200	0 ##

Table A - April 2025 Groundwater Analytical Results Summary
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

Analyte			Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Nitrate as N	Fluoride	Uranium-234	Uranium-235	Uranium-238	Total Uranium Isotopes	Technetium-99
MCL			5	5	70	2	10	4				30	900
Units			ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	pCi/L
Well	Date	Type											
W-107	4/22/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	0.200	0.108	< 0.0500	< 0.0700	< 0.200	< 0.200	0 ##
W-108	4/21/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	< 0.100	0.151	< 0.0500	< 0.0700	< 0.200	< 0.200	1.26 #
W-109	4/21/2025	N	< 1.00	< 1.00	0.910 J	< 1.00	< 0.100	0.0846 J	< 0.0500	< 0.0700	0.139 J	0.139 J	1.45 #
W-110	4/21/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	< 0.100	< 0.100	< 0.0500	< 0.0700	< 0.200	< 0.200	2.56 #
W-111	4/22/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	< 0.100	< 0.100	< 0.0500	< 0.0700	< 0.200	< 0.200	2.50 #
W-112	4/22/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	< 0.100	0.100	< 0.0500	< 0.0700	0.117 J	0.117 J	1.04 #
W-113	4/2/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	2.97	< 0.10	< 0.0500	< 0.0700	< 0.200	< 0.200	0.544 #
W-114	4/2/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	0.71	< 0.10	< 0.0500	< 0.0700	< 0.200	< 0.200	0 ##
W-115	4/2/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	2.64	< 0.10	< 0.0500	< 0.0700	< 0.200	< 0.200	0 ##
W-116	4/2/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	5.40	< 0.20	< 0.0500	< 0.0700	< 0.200	< 0.200	0 ##
W-117	4/2/2025	N	4.29	0.490 J	< 1.00	< 1.00	2.29	< 0.10	< 0.0500	< 0.0700	< 0.200	< 0.200	0.672 #
W-118	4/2/2025	N	39.4	1.82	< 1.00	< 1.00	2.23	< 0.10	< 0.0500	< 0.0700	< 0.200	< 0.200	0 ##
W-119	4/14/2025	N	32.4	1.81	< 1.00	< 1.00	1.33	< 0.100	< 0.0500	< 0.0700	< 0.200	< 0.200	0.507 #
W-119	4/14/2025	FD	32.2	1.91	< 1.00	< 1.00	1.37	< 0.100	< 0.0500	< 0.0700	< 0.200	< 0.200	0.104 #
W-120	4/14/2025	N	273	9.43	0.560 J	< 1.00	2.93	< 0.100	< 0.0500	< 0.0700	0.242	0.242	1.59 #
W-121	4/14/2025	N	31.8	0.980 J	< 1.00	< 1.00	2.29	0.0633 J	< 0.0500	< 0.0700	< 0.200	< 0.200	0.345 #
W-122	4/9/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	0.0396 J	0.0393 J	< 0.0500	< 0.0700	< 0.200	< 0.200	0 ##
W-123	4/7/2025	N	13.5	9.58	1.60	< 1.00	70.6	9.80	< 0.0500	< 0.0700	0.983	0.983	326
W-123	4/7/2025	FD	13.5	9.72	1.60	< 1.00	70.8	9.58	< 0.0500	< 0.0700	0.962	0.962	308
W-124	4/18/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	< 0.100	< 0.100	< 0.0500	< 0.0700	< 0.200	< 0.200	1.44 #
W-125	4/17/2025	N	< 1.00	< 1.00	< 1.00	< 1.00	< 0.100	0.332	< 0.0500	< 0.0700	< 0.200	< 0.200	3.33 #
W-126	4/18/2025	N	0.580 J	2.76	0.650 J	< 1.00	< 0.100	0.0913 J	< 0.0500	< 0.0700	< 0.200	< 0.200	0.233 #

Notes: MCL - Maximum Contaminant Level
Concentrations in orange shaded cells exceed their MCL
Bold concentrations indicate detections
J - Result below reporting limit
- value is below minimum detectable concentration
- value shown as zero reported by analytical laboratory as a negative number
pCi/L - picocuries per liter
ug/L - micrograms per liter
mg/L - milligrams per liter
N - Normal sample
FD - Field duplicate sample

April 2025 Groundwater Sampling Event Potentiometric and Plume Figures



Legend

- Surficial Aquifer - Upper Zone Monitoring Well
- Mill Creek
- Property Line
- SCRDI Bluff Road (Superfund Site)
- Culvert
- Ditch
- Mill Creek Flow Direction
- Dike Location
- Staff Gauge Location
- Top of Bluff
- Inferred Top of Bluff
- Bottom of Bluff
- Inferred Bottom of Bluff
- Secondary Bluff Area
- EL Former East Lagoon
- NL North Lagoon
- SL South Lagoon
- SAN Sanitary Lagoon
- WL1 West Lagoon I
- WL2 West Lagoon II
- Potentiometric Line (C.I. = 5 feet)
- Direction of Groundwater
- 129.34 Groundwater Elevation
- (122.95) Elevation for illustrative purposes only

Based upon data collected on April 1, 2025

0300600Feet

1:7,200

Map Projection: NAD 1983, South Carolina State Plane, FIPS 3900, Feet

Datum: North American 1983

AECOM

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Surficial Aquifer - Upper Zone Potentiometric Map April 2025

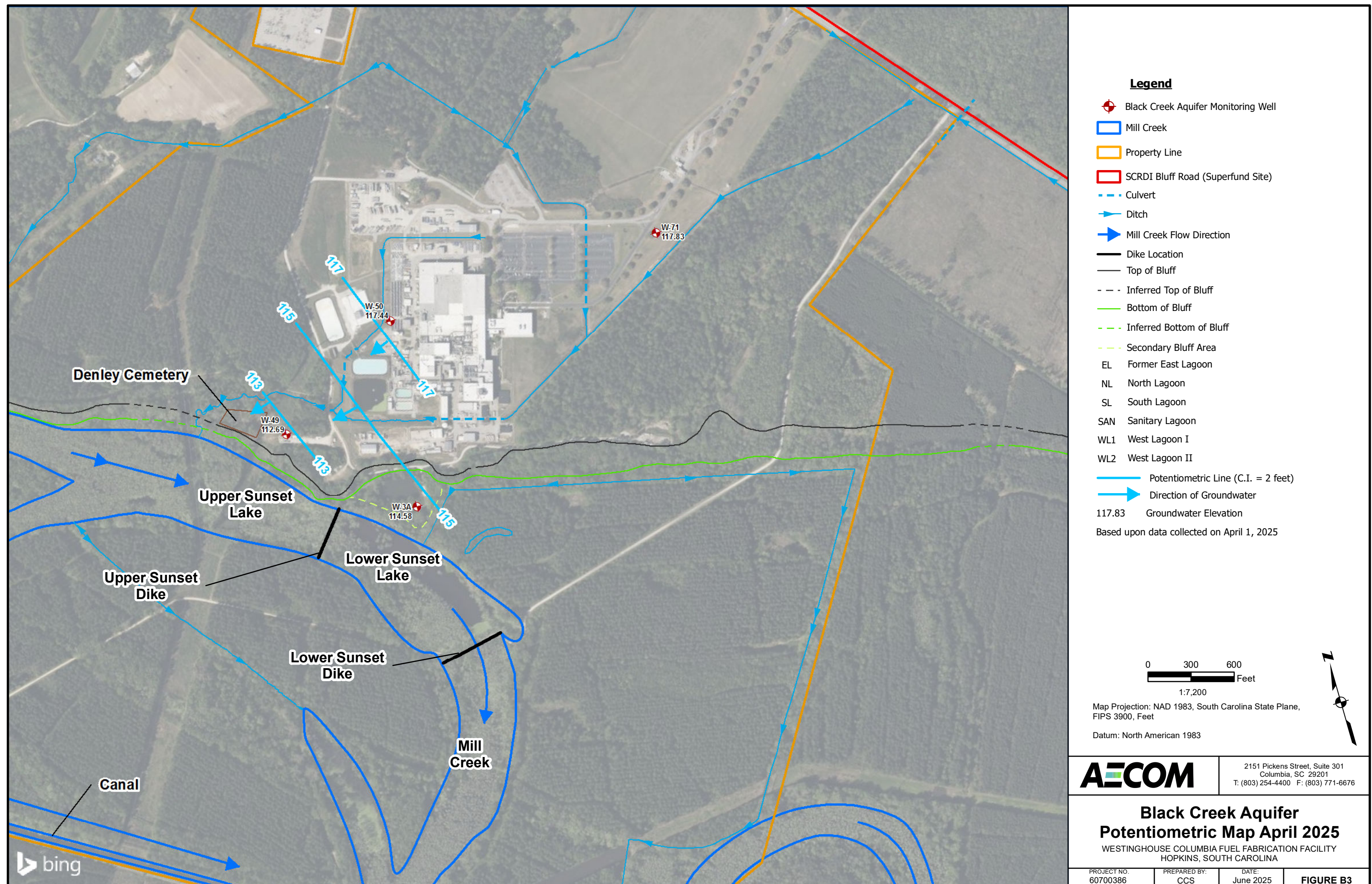
WESTINGHOUSE COLUMBIA FUEL FABRICATION FACILITY
HOPKINS, SOUTH CAROLINA

PROJECT NO.
60700386

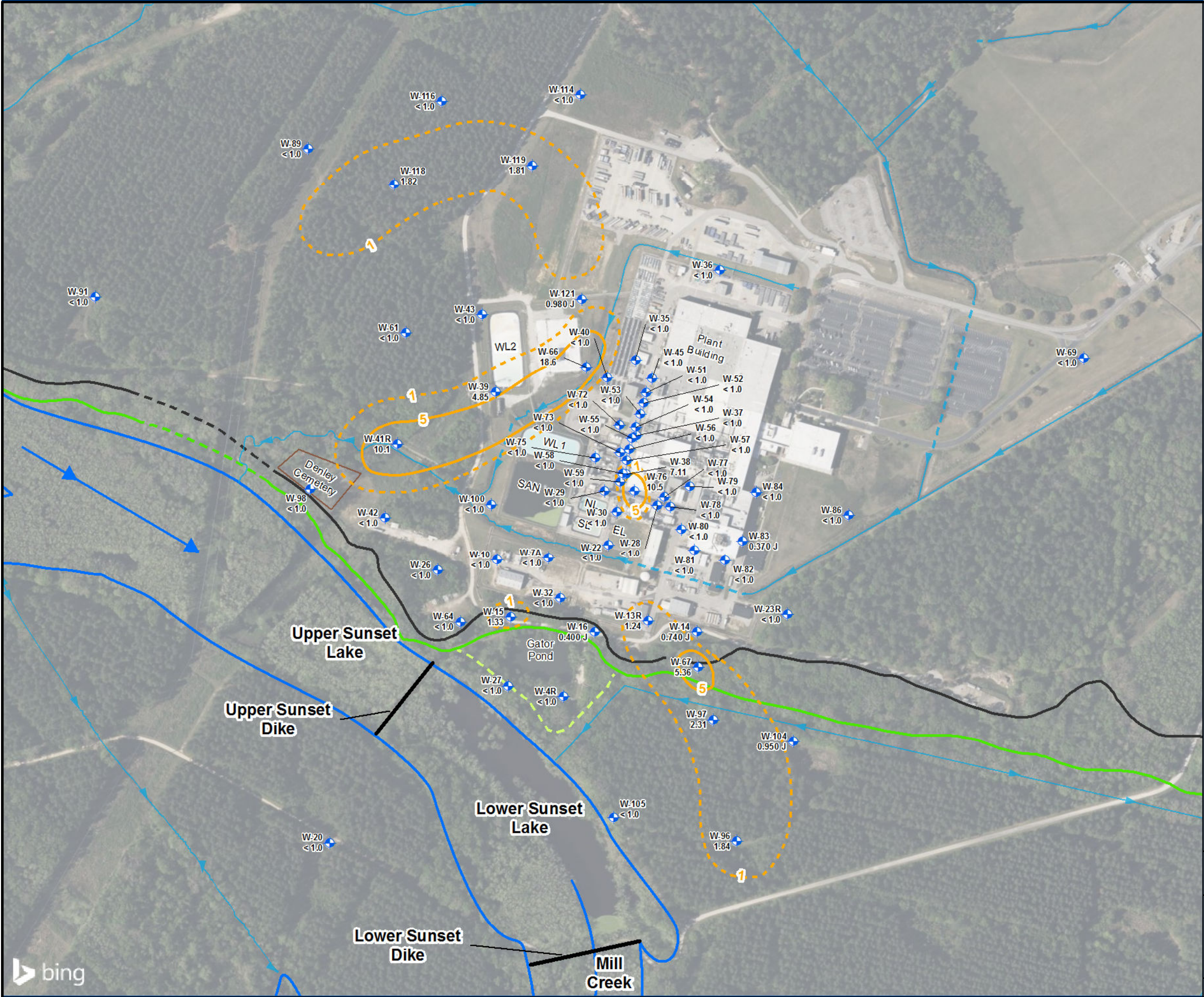
PREPARED BY:
CCS

DATE:
June 2025

FIGURE B1







Legend

- Surficial Aquifer - Upper Zone Monitoring Well
 - Ditch
 - Culvert
 - Dike Location
 - Mill Creek Flow Direction
 - Mill Creek
 - Top of Bluff
 - Inferred Top of Bluff
 - Bottom of Bluff
 - Inferred Bottom of Bluff
 - Secondary Bluff Area
 - TCE Isoconcentration Contour (5 ug/L)
 - TCE Isoconcentration Contour at or Above the Detection Limit (ug/L)
- 18.6 TCE Concentration in ug/L
J Result below reporting limit
EL Former East Lagoon
NL North Lagoon
SL South Lagoon
SAN Sanitary Lagoon
WL1 West Lagoon 1
WL2 West Lagoon 2

Notes:

Although the river terrace sediments above and below the bluff are of different geologic ages (Pleistocene-vs-Holocene), they were deposited under similar conditions, have similar lithologies and are hydrogeologically connected as a single surficial aquifer.

0 200 400
Feet
1 inch = 400 feet

Map Projection: NAD 1983, South Carolina State Plane, FIPS 3900, Feet

Datum: North American 1983

AECOM

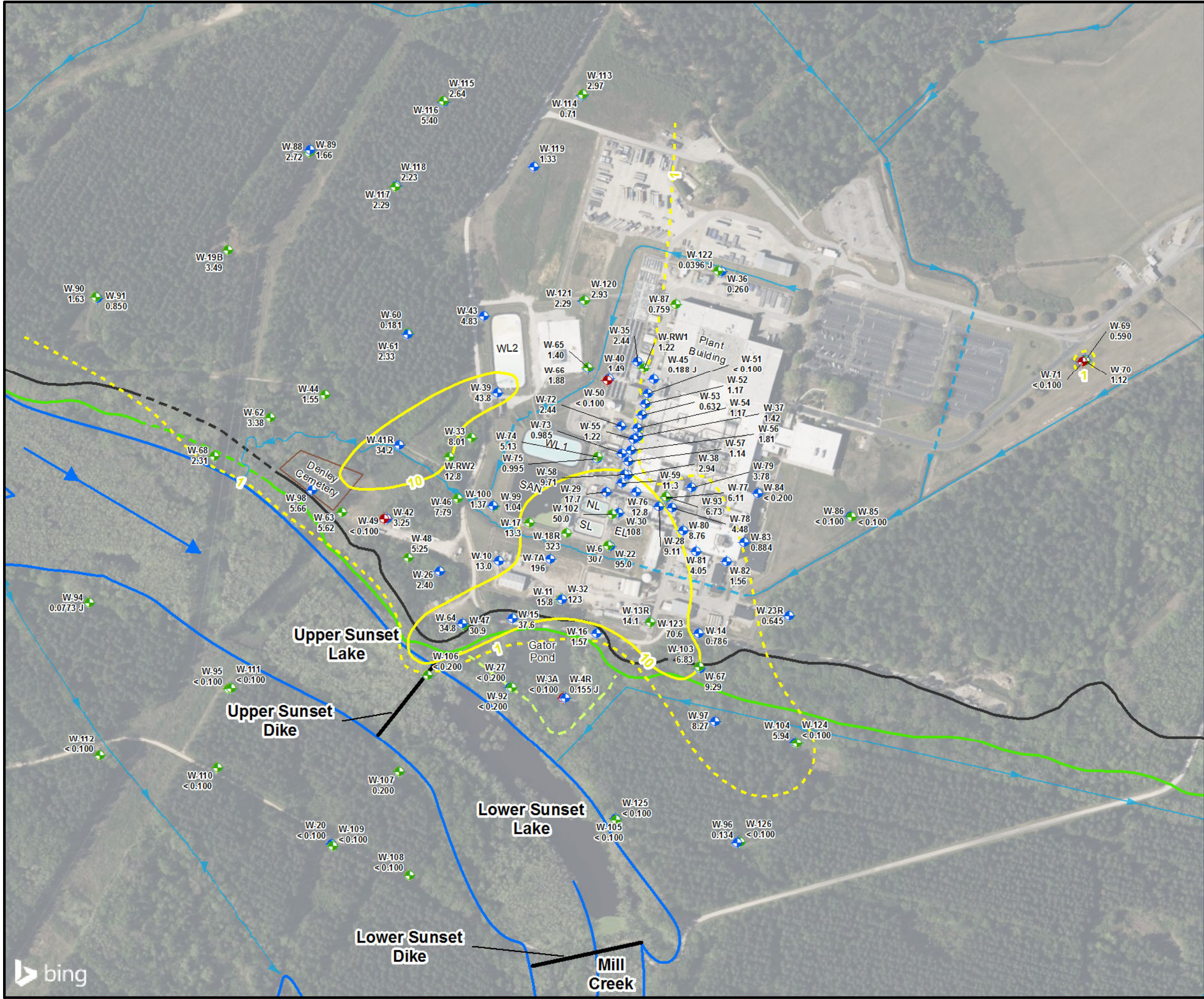
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**Extent of TCE
Surficial Aquifer - Upper Zone
April 2025**

WESTINGHOUSE COLUMBIA FUEL FABRICATION FACILITY
HOPKINS, SOUTH CAROLINA

PROJECT NO. 60700386	PREPARED BY: CCS	DATE: June 2025	FIGURE B6
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Legend

- Surficial Aquifer - Upper Zone Monitoring Well
- Surficial Aquifer - Lower Zone Monitoring Well
- Black Creek Aquifer Monitoring Well
- Ditch
- Culvert
- Dike Location
- Mill Creek Flow Direction
- Mill Creek
- Top of Bluff
- Inferred Top of Bluff
- Bottom of Bluff
- Inferred Bottom of Bluff
- Secondary Bluff Area
- Nitrate Isoconcentration Contour (10 mg/L)
- Nitrate Isoconcentration Contour at or Above the Detection Limit (mg/L)

323 Nitrate Concentration in mg/L

EL Former East Lagoon

NL North Lagoon

SL South Lagoon

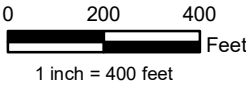
SAN Sanitary Lagoon

WL1 West Lagoon 1

WL2 West Lagoon 2

Notes:

Although the river terrace sediments above and below the bluff are of different geologic ages (Pleistocene-vs-Holocene), they were deposited under similar conditions, have similar lithologies and are hydrogeologically connected as a single surficial aquifer.



Map Projection: NAD 1983, South Carolina State Plane, FIPS 3900, Feet

Datum: North American 1983



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**Extent of Nitrate in Groundwater
April 2025**

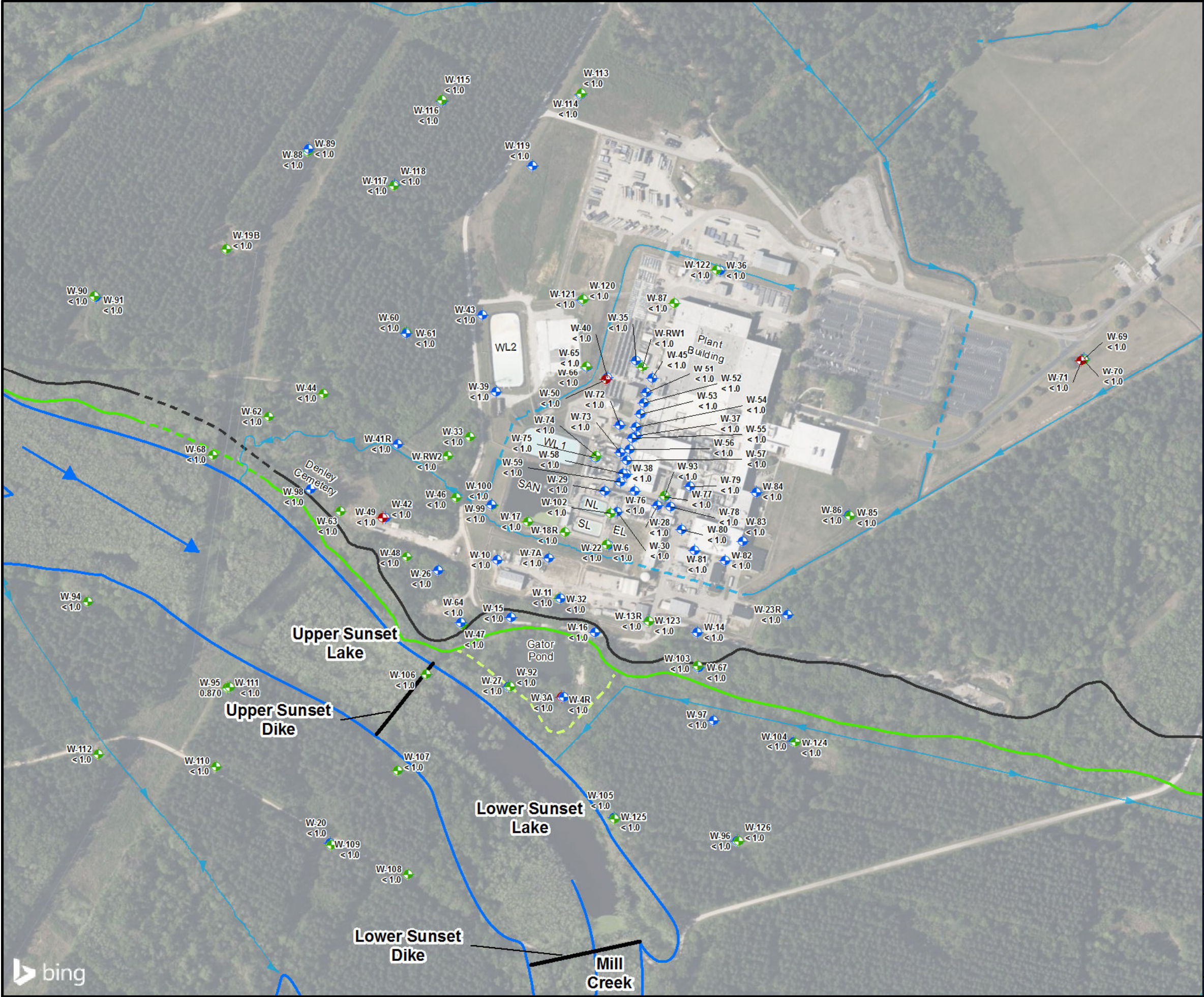
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HOPKINS, SOUTH CAROLINA

PROJECT NO.
60700386

PREPARED BY:
CCS

DATE:
June 2025

FIGURE B9



Legend

- Surficial Aquifer - Upper Zone Monitoring Well
- Surficial Aquifer - Lower Zone Monitoring Well
- Black Creek Aquifer Monitoring Well
- Ditch
- Culvert
- Ditch
- Mill Creek Flow Direction
- Mill Creek
- Top of Bluff
- Inferred Top of Bluff
- Bottom of Bluff
- Inferred Bottom of Bluff
- Secondary Bluff Area

0.870 VC Concentration in ug/L

J Result below reporting limit

EL Former East Lagoon

NL North Lagoon

SL South Lagoon

SAN Sanitary Lagoon

WL1 West Lagoon 1

WL2 West Lagoon 2

Notes:

There were no exceedances of the vinyl chloride MCL or detections above the reporting limit in groundwater from April 2025. Therefore, no vinyl chloride isocontour lines are shown.

Although the river terrace sediments above and below the bluff are of different geologic ages (Pleistocene-vs-Holocene), they were deposited under similar conditions, have similar lithologies and are hydrogeologically connected as a single surficial aquifer.

0 200 400 Feet

1 inch = 400 feet

Map Projection: NAD 1983, South Carolina State Plane, FIPS 3900, Feet

Datum: North American 1983

AECOM

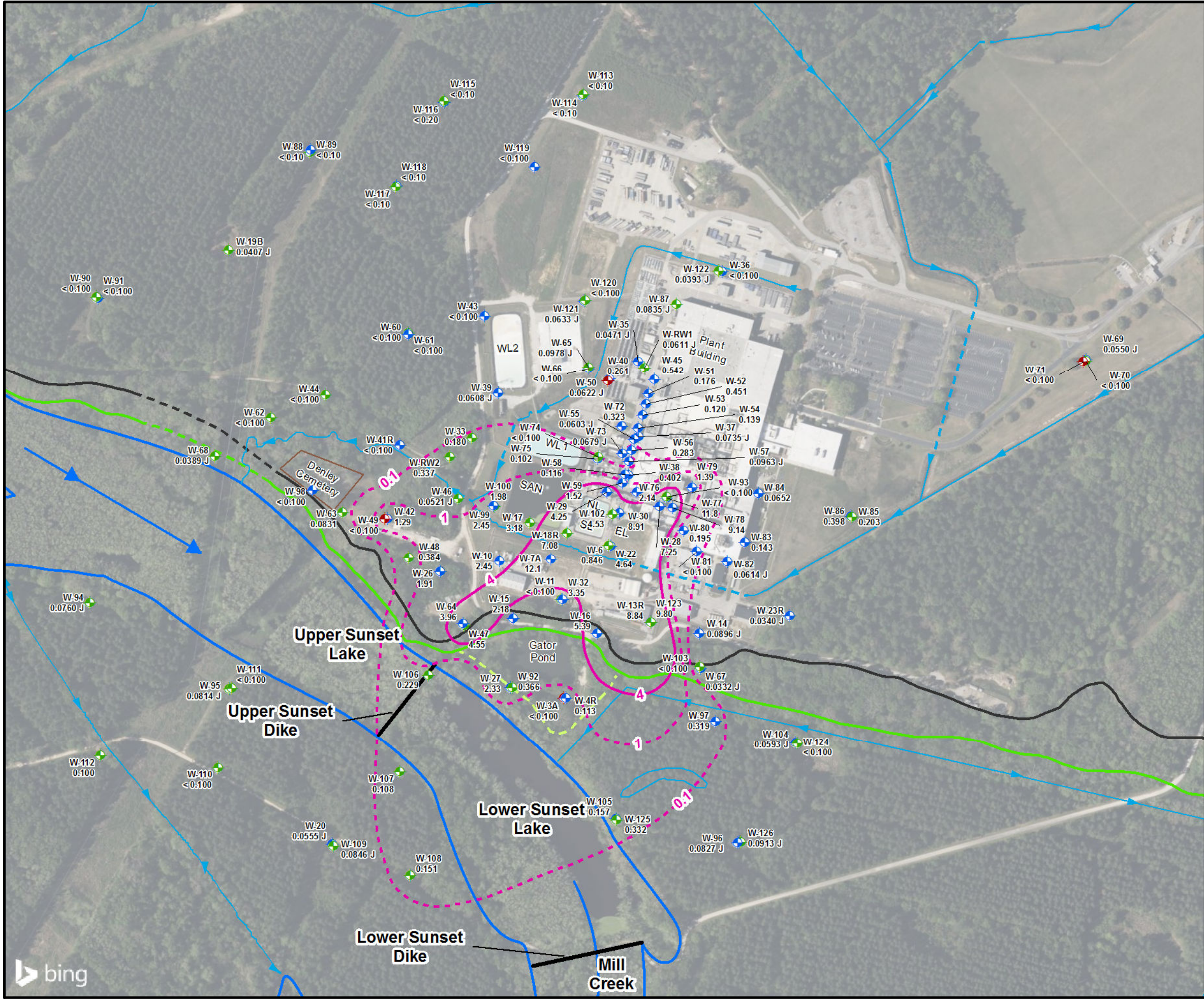
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Extent of VC in Groundwater

April 2025

WESTINGHOUSE COLUMBIA FUEL FABRICATION FACILITY
HOPKINS, SOUTH CAROLINA

PROJECT NO. 60700386	PREPARED BY: CCS	DATE: June 2025	FIGURE B8
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Legend

- Surficial Aquifer - Upper Zone Monitoring Well
- Surficial Aquifer - Lower Zone Monitoring Well
- Black Creek Aquifer Monitoring Well
- Ditch
- Culvert
- Dike Location
- Mill Creek Flow Direction
- Mill Creek
- Top of Bluff
- Inferred Top of Bluff
- Bottom of Bluff
- Inferred Bottom of Bluff
- Secondary Bluff Area
- Fluoride Isoconcentration Contour (4 mg/L)
- Fluoride Isoconcentration Contour at or Above the Detection Limit (mg/L)

12.1 Fluoride Concentration in mg/L
J Result Below Reporting Limit
EL Former East Lagoon
NL North Lagoon
SL South Lagoon
SAN Sanitary Lagoon
WL1 West Lagoon 1
WL2 West Lagoon 2

Notes:
Although the river terrace sediments above and below the bluff are of different geologic ages (Pleistocene-vs-Holocene), they were deposited under similar conditions, have similar lithologies and are hydrogeologically connected as a single surficial aquifer.

0 200 400 Feet
1 inch = 400 feet

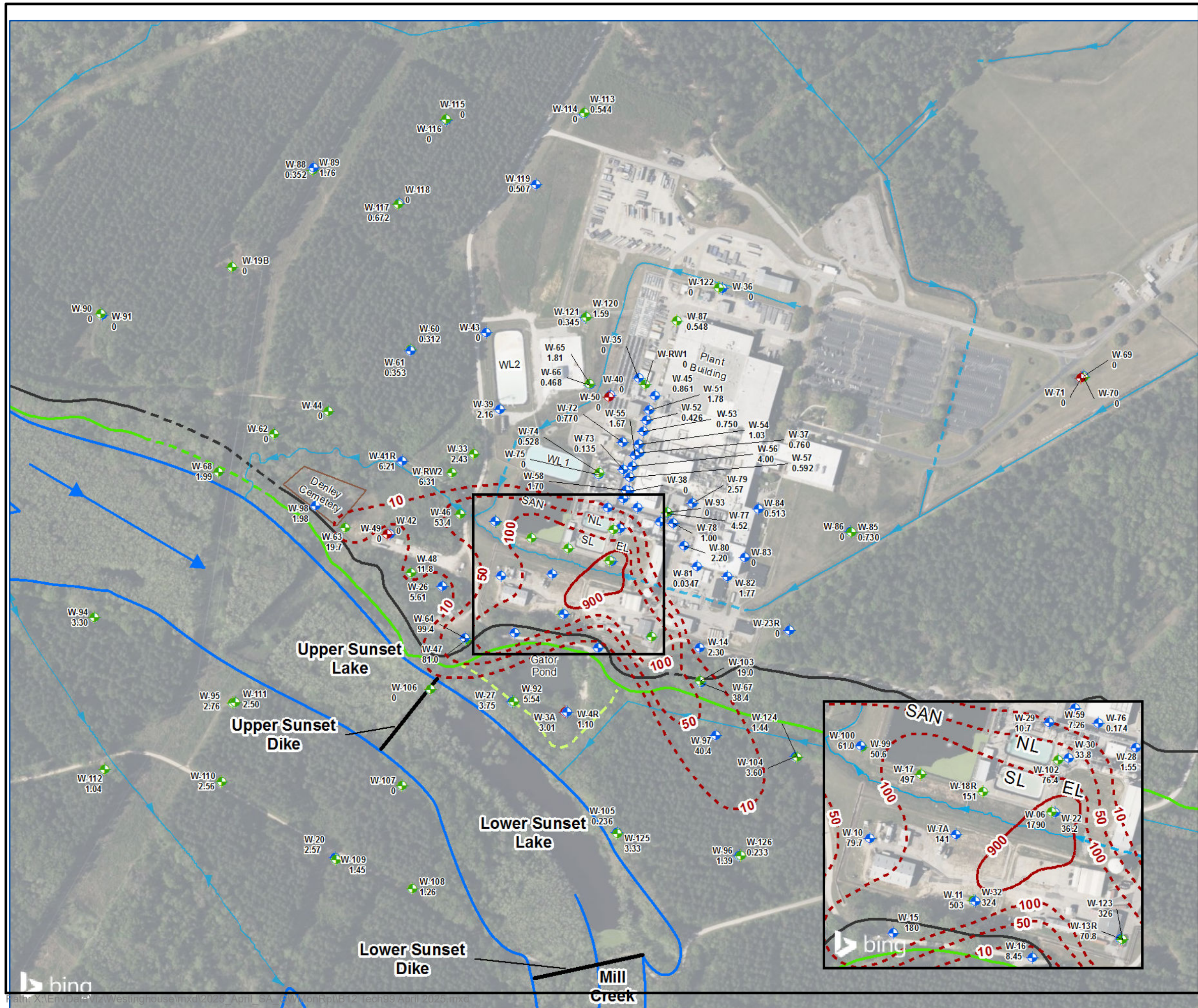
Map Projection: NAD 1983, South Carolina State Plane, FIPS 3900, Feet
NAD: North American Datum 1983

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Extent of Fluoride in Groundwater
April 2025

WESTINGHOUSE COLUMBIA FUEL FABRICATION FACILITY
HOPKINS, SOUTH CAROLINA

PROJECT NO. 60700386	PREPARED BY: CCS	DATE: June 2025	FIGURE B10
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Legend

- Surficial Aquifer - Upper Zone Monitoring Well
- Surficial Aquifer - Lower Zone Monitoring Well
- Black Creek Aquifer Monitoring Well
- Ditch
- Culvert
- Dike Location
- Mill Creek Flow Direction
- Mill Creek
- Top of Bluff
- Inferred Top of Bluff
- Bottom of Bluff
- Inferred Bottom of Bluff
- Secondary Bluff Area
- Tc-99 Isoconcentration Contour (900 pCi/L)
- Tc-99 Isoconcentration Contour at or Above the Minimum Detectable Concentration (pCi/L)
- 1,790 Technetium-99 Concentration in pCi/L
- 0 Concentration reported as a negative number by the analytical laboratory
- EL Former East Lagoon
- NL North Lagoon
- SL South Lagoon
- SAN Sanitary Lagoon
- WL1 West Lagoon 1
- WL2 West Lagoon 2

Notes:
Although the river terrace sediments above and below the bluff are of different geologic ages (Pleistocene-vs-Holocene), they were deposited under similar conditions, have similar lithologies and are hydrogeologically connected as a single surficial aquifer.

0 200 400
1 inch = 400 feet

Map Projection: NAD 1983, South Carolina State Plane, FIPS 3900, Feet
Datum: North American 1983



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**Extent of Technetium-99
in Groundwater April 2025**

WESTINGHOUSE COLUMBIA FUEL FABRICATION FACILITY
HOPKINS, SOUTH CAROLINA

PROJECT NO: 60700386	PREPARED BY: CCS	DATE: June 2025	FIGURE B12
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