



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-25-02

January 14, 2025

Subject: **December** 2024 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 **December 10, 2024**. The following progress report is for work occurring from **December 1- 31, 2024**:

- (a) Actions during the previous month:
 - Completed maintenance repairs to groundwater well casings and covers identified during semiannual inspections.
 - Finished drafting the Pilot Test Work Plan for internal review and editing.
 - Met with Clemson University personnel on December 3, 2024 to discuss their experience with Tc-99 cleanup in groundwater and to discuss their laboratory analysis capabilities for pilot study bench scale testing.
 - Began drafting the semiannual groundwater report including plume statistics analysis.

(b) Results of sampling and tests:

- **Semi-annual Groundwater Sampling (118 wells)**

Tabulated results of the semiannual groundwater sampling campaign conducted in October 2024 are included as **Attachment A**. Potentiometric and plume figures from the October 2024 groundwater sampling campaign are included as **Attachment B**.

(c) Brief description of all actions which are scheduled for the next month:

- Complete internal reviews and editing of the Pilot Test Work Plan.
- In the first quarter of 2025, schedule work to properly abandon groundwater wells W-85 and W-86 per SCDES authorization letter received October 14, 2024.
- Submit semiannual groundwater monitoring report on or before January 28, 2025.
- Pilot Study (PS):
 - Complete the design and evaluation for bench scale and pilot tests; include these results in the Pilot Test Work Plan to be submitted on or before January 30, 2025.
- Sample groundwater well W-56 for uranium.

(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.
- 99% of the **Groundwater Fate and Transport Model** is completed.
- 90% of the **Feasibility Study** is completed.
- 90% of the **Pilot Study Work Plan** is completed.
- Currently there are no anticipated delays.

Respectfully,



Diana P. Joyner
Principal 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: October 2024 Groundwater Analytical Results (118 wells)

Attachment B: October 2024 Groundwater Sampling Event Potentiometric and Plume Figures

Attachment A

Groundwater Analytical Results

October 2024 (118 wells)

Attachment A - October 2024 Groundwater Analytical Results
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

					Well	W-RW1	W-RW2	W-3A	W-4R	W-6	W-7A	W-10	W-11	W-13R	W-14	W-15	W-16	W-17	W-18R	W-19B	W-20	W-22	W-23R	W-24	W-25	W-26	W-27	W-28	W-29	W-30	W-32	W-33
					Date	10/4/2024	10/10/2024	10/17/2024	10/17/2024	10/3/2024	10/1/2024	10/1/2024	10/1/2024	10/1/2024	10/16/2024	10/14/2024	10/16/2024	10/10/2024	10/3/2024	10/10/2024	10/18/2024	10/3/2024	10/15/2024	10/16/2024	10/18/2024	10/10/2024	10/17/2024	10/2/2024	10/3/2024	10/3/2024	10/1/2024	10/8/2024
					Type	9:35:00 AM	2:35:00 PM	10:55:00 AM	12:10:00 PM	9:40:00 AM	11:57:00 AM	10:16:00 AM	11:00:00 AM	2:55:00 PM	10:25:00 AM	1:47:00 PM	11:50:00 AM	9:45:00 AM	2:50:00 PM	9:15:00 AM	9:00:00 AM	11:15:00 AM	9:15:00 AM	1:45:00 PM	12:35:00 PM	2:08:00 PM	8:55:00 AM	1:30:00 PM	12:44:00 PM	11:12:00 AM	12:05:00 PM	3:04:00 PM
Group	Analyte	MCL	note	Units	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Radiological	Technetium-99	900		pCi/L	0 ##	0 ##	0 ##	2.88 #	2070	136	50.0	944	85.8	0 ##	185	1.59 #	602	133	0 ##	1.68 #	26.7	1.46 #	0 ##	0 ##	0 ##	2.31 #	0.663 #	14.1	48.7	302	0.156 #	
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	
Radiological	Uranium-235			ug/L	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	
Radiological	Uranium-238			ug/L	< 0.200	< 0.200	0.0741 J	< 0.200	0.250	0.461	0.110 J	< 0.200	0.187 J	0.104 J	< 0.200	0.431	0.160 J	1.87	< 0.200	0.100 J	0.411	0.0793 J	< 0.200	0.0696 J	< 0.200	< 0.200	7.27	0.504	5.40	0.145 J	0.0695 J	
Radiological	Total Uranium Isotopes	30		ug/L	< 0.200	< 0.200	0.0741 J	< 0.200	0.250	0.461	0.110 J	< 0.200	0.187 J	0.104 J	< 0.200	0.431	0.160 J	1.89	< 0.200	0.100	0.411	0.0793 J	< 0.200	0.0696	< 0.200	< 0.200	7.35	0.504	5.53	0.145 J	0.0695 J	
Chemical	Fluoride	4		mg/L	< 0.10	0.28	< 0.10	< 0.10	0.41	6.4	3.2	< 0.10	8.2	< 0.10	2.2	3.7	2.7	6.2	< 0.10	< 0.10	3.1	< 0.10	< 0.10	< 0.10	< 0.10	1.8	2.2	5.0	2.6	7.7	3.4	0.20
Chemical	Nitrate as N	10		mg/L	1.5	11	< 0.020	0.045	300	200	5.6	20	16	3.1	39	0.96	14	340	3.0	0.11	43	0.58	0.14	0.063	2.3	0.065	10	18	320	120	6.5	
VOCs	cis-1,2-Dichloroethene	70		ug/L	< 0.500 J	0.870 J	< 0.500	< 0.500	3.33	< 0.500	< 0.500	2.54	0.843 J	0.195 J	0.973 J	< 0.500	1.00 J	1.01	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	0.806 J	
VOCs	Tetrachloroethene	5		ug/L	1.35 J	111	< 0.600	< 0.600	20.4	0.810 J	< 0.500	18.7	28.9	13.4	9.68	0.535 J	4.76	1.17 J	42.8	< 0.600	< 0.600	< 0.600	< 0.600	< 0.600	< 0.600	< 0.600	< 0.600	< 0.600	< 0.600	0.343 J	0.837 J	90.0
VOCs	Trichloroethene	5		ug/L	< 0.500 J	7.43	< 0.500	< 0.500	2.75	< 0.500	< 0.500	2.48	2.16	2.46	1.55	< 0.500	1.02	< 0.500	0.665 J	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	6.12	
VOCs	Vinyl chloride	2		ug/L	< 0.500	< 0.500 J	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	

Attachment A - October 2024 Groundwater Analytical Results
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-35	W-35	W-36	W-37	W-38	W-39	W-40	W-41R	W-42	W-43	W-44	W-45	W-46	W-47	W-48	W-49	W-50	W-51	W-52	W-53	W-54	W-55	W-56	W-57	W-58	W-59	W-60		
				Date	10/7/2024	10/7/2024	10/7/2024	10/7/2024	10/3/2024	10/10/2024	10/8/2024	10/10/2024	10/14/2024	10/9/2024	10/10/2024	10/7/2024	10/10/2024	10/11/2024	10/14/2024	10/8/2024	10/7/2024	10/7/2024	10/7/2024	10/4/2024	10/22/2024	10/22/2024	10/22/2024	10/4/2024	10/4/2024	10/22/2024	10/11/2024	10/4/2024	10/22/2024
				Type	AM	AM	1:27:00 PM	AM	2:04:00 PM	AM	9:59:00 AM	1:25:00 PM	3:18:00 PM	2:10:00 PM	12:00:00 PM	3:10:00 PM	12:33:00 PM	AM	12:05:00 PM	11:45:00	11:09:00	12:40:00 PM	1:50:00 PM	8:55:00 AM	12:54:00 PM	8:50:00 AM	9:50:00 AM	AM	AM	8:49:00 AM	9:01:00 AM		
Group	Analyte	MCL	note	Units																													
Radiological	Technetium-99	900		pCi/L	0.176 #	0 ##	0 ##	1.01 #	0 ##	2.64 #	0.000203 #	3.06 #	0.947 #	0 ##	0 ##	0 ##	45.5	85.0	10.4	0.577 #	0.855 #	0 ##	1.14 #	0 ##	0 ##	0 ##	0 ##	0 ##	0 ##	0 ##	10.8	0 ##	
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	0.0240 J	0.166	< 0.0500	< 0.0500	< 0.0500	< 0.0500	
Radiological	Uranium-235			ug/L	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	0.0236 J	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	2.49	17.3	0.0106 J	0.0235 J	0.140	< 0.0700	
Radiological	Uranium-238			ug/L	< 0.200	< 0.200	< 0.200	< 0.200	0.0986 J	< 0.200	0.0950 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.990	< 0.200	< 0.200	< 0.200	0.158 J	0.247	< 0.200	0.102 J	< 0.200	< 0.200	< 0.200	75.4	531	0.342	0.584	4.56	< 0.200
Radiological	Total Uranium Isotopes	30		ug/L	< 0.200	< 0.200	< 0.200	< 0.200	0.0986 J	< 0.200	0.0950 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	1.01	< 0.200	< 0.200	< 0.200	0.158 J	0.247	< 0.200	0.102 J	< 0.200	< 0.200	< 0.200	77.9	549	0.353	0.608	4.70	< 0.200
Chemical	Fluoride	4		mg/L	< 0.10	< 0.10	< 0.10	< 0.10	0.35	< 0.10	0.26	< 0.10	1.1	< 0.10	< 0.10	0.87	< 0.10	4.0	0.49	< 0.10	< 0.10	0.24	0.86	< 0.10	< 0.10	< 0.100	0.360	< 0.10	< 0.10	2.63	< 0.10		
Chemical	Nitrate as N	10		mg/L	2.5	2.4	0.065	1.4	3.5	48	2.3	34	3.1	6.4	1.7	0.043	7.6	33	4.5	< 0.020	< 0.020	0.046	1.3	0.040	1.0	1.49	2.29	2.4	11	39.8	0.12		
VOCs	cis-1,2-Dichloroethene	70		ug/L	< 0.500	< 0.500	< 0.500	< 0.500	1.07	16.3	< 0.500	3.55	< 0.500	< 0.500	< 0.500	0.270 J	0.154 J	0.154 J	2.42	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	1.83	< 1.00	< 1.00	1.91	3.19	< 1.00	< 0.500
VOCs	Tetrachloroethene	5		ug/L	1.12 J	1.20 J	< 0.600	< 0.600	1.20 J	476	< 0.600	163	< 0.600	< 0.600	< 0.600	< 0.600	2.99	1.36	169	< 0.600 J	< 0.600	< 0.600	< 0.600	< 0.600	< 0.600	< 0.600	< 1.00	< 1.00	< 0.600	< 0.600	< 1.00	0.340 J	
VOCs	Trichloroethene	5		ug/L	< 0.500	< 0.500	< 0.500	< 0.500	5.42	7.61	< 0.500	4.43	< 0.500	< 0.500	< 0.500	< 0.500	0.469 J	< 0.500	5.90	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	< 0.500	< 0.500	< 1.00	0.893 J	
VOCs	Vinyl chloride	2		ug/L	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	0.249 J	0.406 J	< 1.00	< 0.500 J		

Attachment A - October 2024 Groundwater Analytical Results
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

Well					W-61	W-62	W-63	W-64	W-64	W-65	W-66	W-67	W-68	W-69	W-70	W-71	W-71	W-72	W-73	W-74	W-75	W-76	W-77	W-78	W-79	W-80	W-81	W-82	W-83	W-84	W-85	
Date					10/11/2024	10/10/2024	10/14/2024	10/14/2024	10/14/2024	10/9/2024	10/9/2024	10/16/2024	10/11/2024	10/15/2024	10/15/2024	10/15/2024	10/15/2024	10/4/2024	10/4/2024	10/4/2024	10/4/2024	10/2/2024	10/22/2024	10/2/2024	10/2/2024	10/2/2024	10/2/2024	10/2/2024	10/2/2024	10/1/2024	10/1/2024	10/15/2024
Type					9:57:00 AM	10:35:00 AM	10:25:00 AM	11:25:00 AM	11:25:00 AM	1:05:00 PM	12:25:00 PM	9:25:00 AM	11:05:00 AM	11:32:00 AM	12:12:00 PM	1:07:00 PM	1:07:00 PM	12:55:00 PM	11:50:00 AM	10:35:00 AM	9:25:00 AM	2:00:00 PM	9:58:00 AM	1:05:00 PM	12:15:00 PM	11:50:00 AM	10:43:00 AM	9:30:00 AM	2:48:00 PM	1:30:00 PM	10:28:00 AM	
Group	Analyte	MCL	note	Units	N	N	N	N	FD	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
Radiological	Technetium-99	900		pCi/L	0 ##	0 ##	21.4	90.2	95.1	0 ##	0 ##	41.4	0 ##	0 ##	1.52 #	0 ##	0 ##	0 ##	0 ##	1.96 #	0 ##	0 ##	0 ##	0.229 #	0 ##	0 ##	1.51 #	0 ##	1.28 #	0.401 #	0.246 #	
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	0.0310 J	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500		
Radiological	Uranium-235			ug/L	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	0.0591 J	< 0.0700	< 0.0700	< 0.0700	0.136	3.38	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700		
Radiological	Uranium-238			ug/L	0.0878 J	< 0.200	1.23	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	2.07	0.111 J	< 0.200	< 0.200	3.98	80.4	0.146 J	< 0.200	0.164 J	0.0675 J	0.398	< 0.200	< 0.200	< 0.200	
Radiological	Total Uranium Isotopes	30		ug/L	0.0878 J	< 0.200	1.23	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	2.13	0.111 J	< 0.200	< 0.200	4.12	83.8	0.146 J	< 0.200	0.164 J	0.0675 J	0.398	< 0.200	< 0.200	< 0.200	
Chemical	Fluoride	4		mg/L	< 0.10	< 0.10	< 0.10	3.7	3.7	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.84	< 0.10	< 0.10	< 0.10	2.4	10.4	9.8	0.50	0.19	< 0.10	< 0.10	0.19	0.11	0.17	
Chemical	Nitrate as N	10		mg/L	2.3	3.2	6.5	36	36	1.7	1.8	9.9	2.2	0.69	1.2	0.079	0.086	4.3	1.1	5.6	0.99	13	8.81	5.2	4.2	8.9	3.5	2.4	0.95	< 0.020	0.10	
VOCs	cis-1,2-Dichloroethene	70		ug/L	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	18.5	9.97	0.980 J	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	1.27	2.30	7.17	< 0.500	< 0.500	< 1.00	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	
VOCs	Tetrachloroethene	5		ug/L	< 0.600	43.9	1.90	0.750 J	0.787 J	416	462	37.6	42.6	< 0.600	< 0.600	< 0.600	< 0.600	< 0.600	0.529 J	7.00	0.546 J	0.455 J	< 1.00	< 0.600	< 0.600	< 0.600	< 0.600	< 0.600	< 0.500	< 0.500	< 0.600	
VOCs	Trichloroethene	5		ug/L	< 0.500	0.411 J	1.03	< 0.500	< 0.500	40.4	7.80	6.70	1.02	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	11.7	< 1.00	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	0.342 J	< 0.500	< 0.500	
VOCs	Vinyl chloride	2		ug/L	< 0.500 J	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500 J	< 0.500 J	< 0.500	< 0.500 J	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	0.293 J	0.877 J	< 0.500	< 0.500	< 1.00	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	

Attachment A - October 2024 Groundwater Analytical Results
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

					Well	W-86	W-87	W-88	W-89	W-90	W-91	W-92	W-93	W-93	W-94	W-94	W-95	W-96	W-97	W-98	W-99	W-100	W-102	W-103	W-104	W-105	W-106	W-107	W-108	W-109	W-110	W-111	
					Date	10/15/2024	10/7/2024	10/8/2024	10/8/2024	10/11/2024	10/11/2024	10/17/2024	10/3/2024	10/3/2024	10/18/2024	10/18/2024	10/18/2024	10/17/2024	10/16/2024	10/14/2024	10/11/2024	10/11/2024	10/11/2024	10/3/2024	10/15/2024	10/17/2024	10/17/2024	10/14/2024	10/18/2024	10/17/2024	10/18/2024	10/21/2024	10/18/2024
					Type	9:25:00 AM	12:03:00 PM	2:15:00 PM	1:25:00 PM	9:00:00 AM	10:00:00 AM	10:00:00 AM	12:55:00 PM	12:55:00 PM	10:27:00 AM	10:27:00 AM	11:29:00 AM	9:06:00 AM	2:16:00 PM	9:25:00 AM	11:27:00 AM	12:21:00 PM	9:56:00 AM	10:50:00 AM	11:02:00 AM	1:50:00 PM	12:44:00 PM	1:14:00 PM	3:25:00 PM	10:40:00 AM	2:35:00 PM	12:23:00 PM	
						N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
Group	Analyte	MCL	note	Units																													
Radiological	Technetium-99	900		pCi/L	0 ##	0 ##	0.0902 #	0.0421 #	0 ##	0 ##	2.16 #	0 ##	0.00324 #	0.614 #	1.06 #	0 ##	10.0	63.8	1.94 #	61.7	11.3	81.2	24.6	3.26 #	0 ##	0 ##	0 ##	0 ##	0 ##	2.37 #	0.274 #	0 ##	
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500		
Radiological	Uranium-235			ug/L	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	0.0240 J	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700		
Radiological	Uranium-238			ug/L	0.0784 J	0.190 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.0695 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.0986 J	0.206	1.25	< 0.200	0.0917 J	0.111 J	< 0.200	0.167 J	0.0984 J	< 0.200	< 0.200	0.0780 J	
Radiological	Total Uranium Isotopes	30		ug/L	0.0784 J	0.190 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.0695	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.0986 J	0.206	1.27	< 0.200	0.0917 J	0.111 J	< 0.200	0.167	0.0984 J	< 0.200	< 0.200	0.0780	
Chemical	Fluoride	4		mg/L	0.46	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.15	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.24	< 0.10	2.4	1.1	2.4	< 0.10	< 0.10	0.19	0.19	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		
Chemical	Nitrate as N	10		mg/L	0.077	0.79	3.1	1.7	1.5	0.39	0.074	6.5	6.5	0.051	0.041	0.038	0.23	8.6	5.8	1.3	3.6	57	7.1	4.9	0.088	< 0.020	0.039	0.078	0.035	0.053	0.075		
VOCs	cis-1,2-Dichloroethene	70		ug/L	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	1.46	1.46	1.05	1.24	2.97	0.577 J	0.666 J	< 0.500	2.15	< 0.500	3.27	0.641 J	< 0.500	< 0.500	< 0.500	< 0.500	0.305 J	0.771 J	1.52	0.243 J	< 0.500	
VOCs	Tetrachloroethene	5		ug/L	< 0.600	25.7	0.886 J	< 0.600	< 0.600	< 0.600	< 0.600	27.5	26.9	< 0.600	< 0.600	< 0.600	1.44	12.3	< 0.600	12.3	< 0.600	33.6	22.9	2.33	< 0.600	< 0.600	< 0.600	< 0.600	< 0.600	< 0.600	< 0.600	< 0.600	
VOCs	Trichloroethene	5		ug/L	< 0.500	5.12	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	3.23	3.18	0.377 J	0.574 J	< 0.500	1.69	2.90	< 0.500	2.38	< 0.500	4.41	4.18	1.31	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500		
VOCs	Vinyl chloride	2		ug/L	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	1.13	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	2.27	< 0.500	< 0.500	< 0.500		

Attachment A - October 2024 Groundwater Analytical Results
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-112	W-113	W-114	W-115	W-116	W-117	W-118	W-119	W-120	W-121	W-121	W-122	W-123	W-124	W-125	W-126	
				Date	10/21/2024	10/8/2024	10/8/2024	10/8/2024	10/8/2024	10/8/2024	10/8/2024	10/8/2024	10/9/2024	10/9/2024	10/9/2024	10/7/2024	10/1/2024	10/17/2024	11:41:00	10/16/2024	10/17/2024
				Type	2:03:00 PM	9:10:00 AM	10:20:00 AM	11:40:00 AM	12:25:00 PM	1:32:00 PM	12:48:00 PM	3:25:00 PM	9:00:00 AM	10:45:00 AM	10:45:00 AM	2:24:00 PM	1:35:00 PM	AM	3:05:00 PM	9:50:00 AM	
					N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	
Group	Analyte	MCL	note	Units																	
Radiological	Technetium-99	900		pCi/L	0.790 #	0 ##	0 ##	0 ##	0 ##	1.06 #	0 ##	0 ##	0 ##	0 ##	0 ##	0 ##	407	0.555 #	2.34 #	1.10 #	
Radiological	Uranium-234			ug/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	
Radiological	Uranium-235			ug/L	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	< 0.0700	
Radiological	Uranium-238			ug/L	0.181 J	0.0835 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.322	< 0.200	< 0.200	< 0.200	1.37	< 0.200	0.508	0.308	
Radiological	Total Uranium Isotopes	30		ug/L	0.181 J	0.0835 J	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.322	< 0.200	< 0.200	< 0.200	1.37	< 0.200	0.508	0.308	
Chemical	Fluoride	4		mg/L	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	9.2	< 0.10	0.22	< 0.10	
Chemical	Nitrate as N	10		mg/L	0.035	2.9	0.95	2.8	4.8	2.5	2.4	1.4	3.5	1.7	1.7	0.50	80	0.20	0.037	0.14	
VOCs	cis-1,2-Dichloroethene	70		ug/L	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	0.667 J	< 0.500	< 0.500	< 0.500	1.60	< 0.500	0.299 J	< 0.500	
VOCs	Tetrachloroethene	5		ug/L	< 0.600	< 0.600	< 0.600	< 0.600	< 0.600	3.26	50.6	43.4	219	5.66	5.42	< 0.600	18.7	< 0.600	< 0.600	< 0.600	
VOCs	Trichloroethene	5		ug/L	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	1.63	1.93	9.76	< 0.500	< 0.500	< 0.500	8.63	< 0.500	< 0.500	< 0.500	
VOCs	Vinyl chloride	2		ug/L	< 0.500	< 0.500 J	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	

Attachment A - October 2024 Groundwater Analytical Results
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

				Well	W-RW2	W-3A	W-6	W-7A	W-10	W-11	W-13R	W-14	W-15	W-16	W-17	W-18R	W-19B	W-20	W-22	W-23R	W-24	W-25	W-26	W-27	W-28	W-29	W-30
				Date	10/10/2024	10/17/2024	10/3/2024	10/1/2024	10/1/2024	10/1/2024	10/1/2024	10/16/2024	10/14/2024	10/16/2024	10/10/2024	10/3/2024	10/10/2024	10/18/2024	10/3/2024	10/15/2024	10/16/2024	10/18/2024	10/10/2024	10/17/2024	10/2/2024	10/3/2024	10/3/2024
				Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																							
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	0.390 J	< 1.00	< 1.00	< 1.00
SVOCs	Naphthalene			ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
SVOCs	Tributylphosphate			ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0

Attachment A - October 2024 Groundwater Analytical Results
Westinghouse Columbia Fuel Fabrication Facility, Hopkins, SC

					Well	W-32	W-33	W-35	W-35	W-36	W-38	W-39	W-40	W-41R	W-42	W-43	W-44	W-45	W-46	W-47	W-48	W-49
					Date	10/1/2024	10/8/2024	10/7/2024	10/7/2024	10/7/2024	10/3/2024	10/10/2024	10/8/2024	10/10/2024	10/14/2024	10/9/2024	10/10/2024	10/7/2024	10/10/2024	10/14/2024	10/11/2024	10/14/2024
					Type	12:05:00 PM	3:04:00 PM	10:20:00 AM	10:20:00 AM	1:27:00 PM	2:04:00 PM	11:20:00 AM	9:59:00 AM	1:25:00 PM	3:18:00 PM	2:10:00 PM	12:00:00 PM	3:10:00 PM	12:33:00 PM	10:19:00 AM	12:05:00 PM	11:45:00 AM
						N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N
Group	Analyte	MCL	note	Units																		
SVOCs	Bis(2-ethylhexyl)phthalate	6		ug/L		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
SVOCs	Naphthalene			ug/L		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	0.960 J	< 1.00	< 1.00	< 1.00	< 1.00
SVOCs	Tributylphosphate			ug/L		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0

Attachment B

October 2024 Groundwater Sampling Event Potentiometric and Plume Figures

Figure 7, Surficial Aquifer – Upper Zone Potentiometric Map

Figure 9, Surficial Aquifer – Lower Zone Potentiometric Map

Figure 11, Black Creek Aquifer Potentiometric Map

Figure 13, Extent of PCE – Surficial Aquifer – Upper Zone

Figure 15, Extent of PCE – Surficial Aquifer – Lower Zone

Figure 17, Extent of TCE – Surficial Aquifer – Upper Zone

Figure 19, Extent of TCE – Surficial Aquifer – Lower Zone

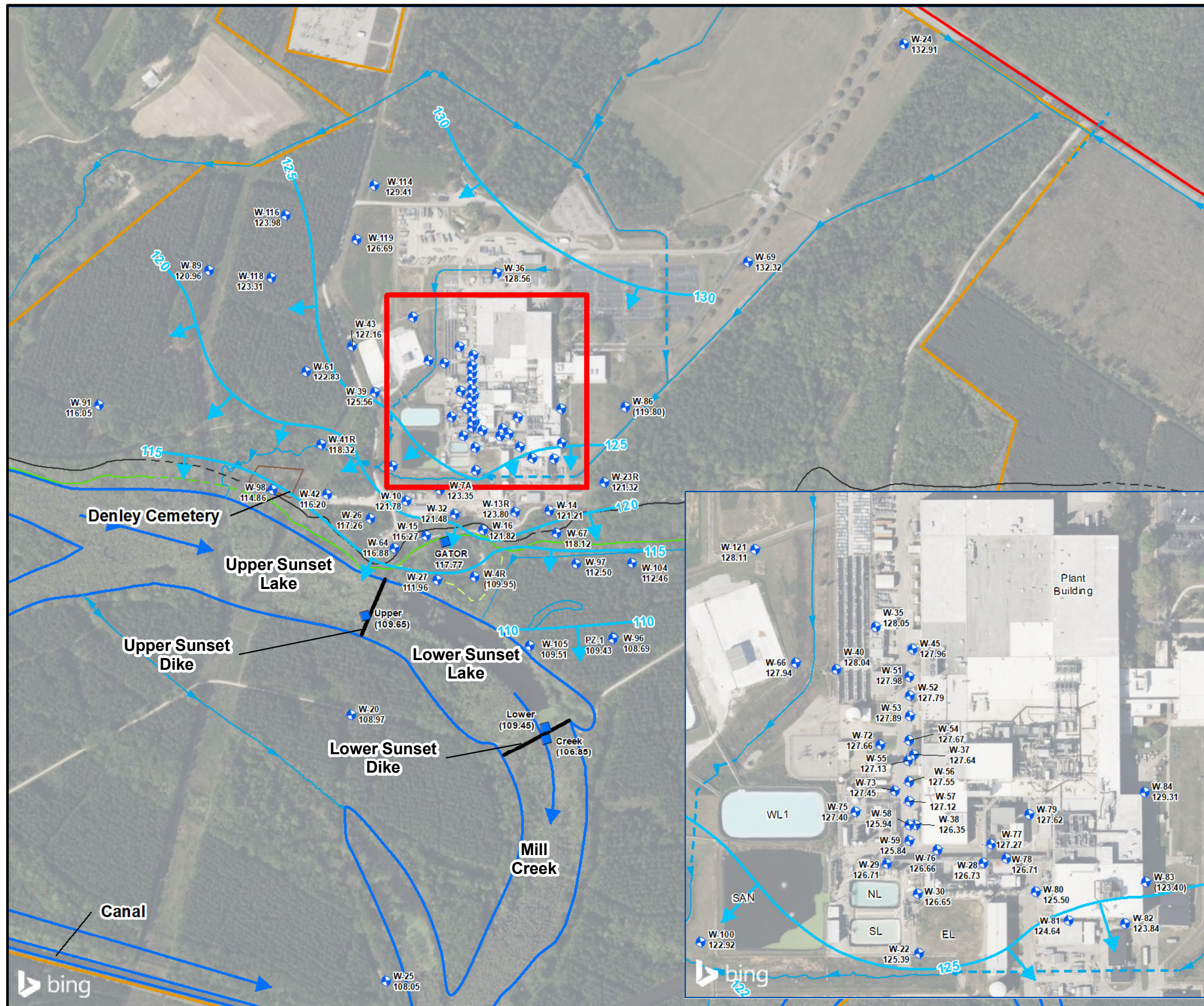
Figure 21, Extent of VC in Groundwater

Figure 23, Extent of Nitrate in Groundwater

Figure 25, Extent of Fluoride in Groundwater

Figure 27, Extent of Uranium in Groundwater

Figure 29, Extent of Tc-99 in Groundwater



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
- 132.91 Groundwater Elevation
- (120.88) Elevation for illustrative purposes only

Based upon data collected on October 21, 2024

0300600Feet

1:7,200

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

Datum: North American 1983

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Surficial Aquifer - Upper Zone Potentiometric Map October 2024

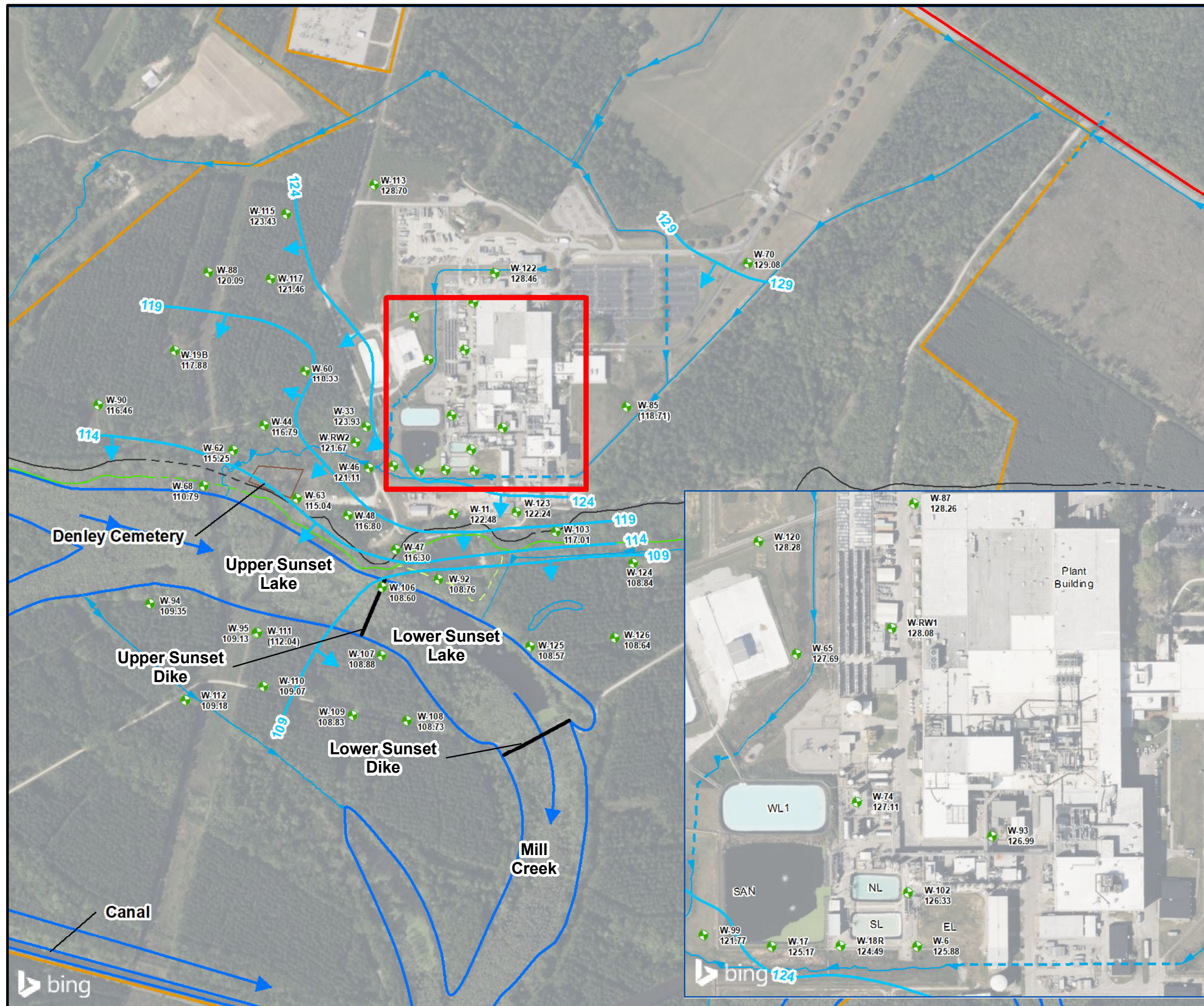
WESTINGHOUSE COLUMBIA FUEL FABRICATION FACILITY
HOPKINS, SOUTH CAROLINA

PROJECT NO.
60700386

PREPARED BY:
CCS

DATE:
January 2025

FIGURE 7



Legend

- Surficial Aquifer - Lower Zone Monitoring Well
- Mill Creek
- Property Line
- SCRDI Bluff Road (Superfund Site)
- Culvert
- Ditch
- Mill Creek Flow Direction
- Dike 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
- 129.08 Groundwater Elevation
- (117.30) Elevation for illustrative purposes only
- Based upon data collected on October 21, 2024

0 300 600
Feet
1:7,200

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

Datum: North American 1983

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**Surficial Aquifer - Lower Zone
Potentiometric Map October 2024**

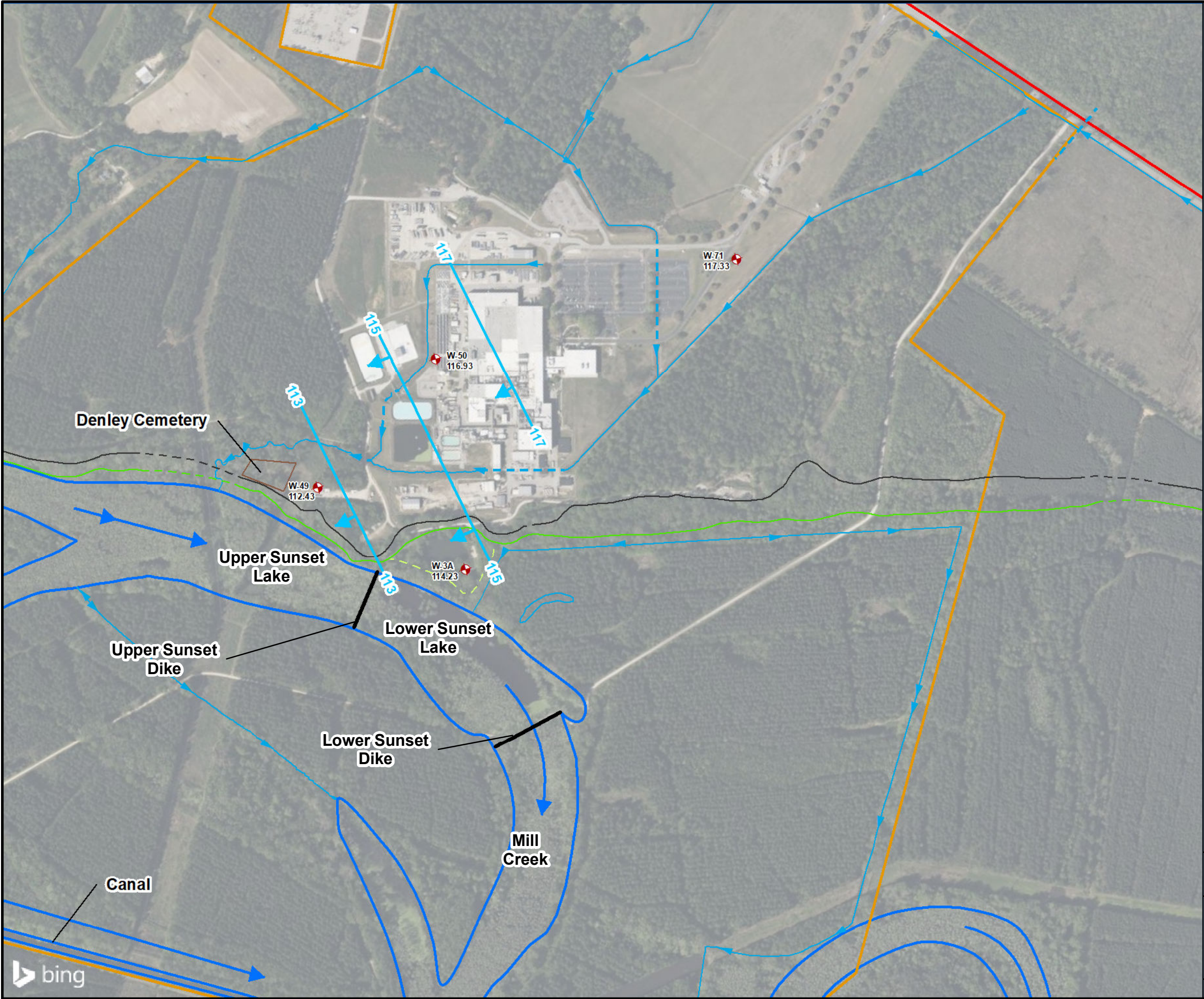
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PROJECT NO.
60700386

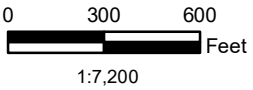
PREPARED BY:
CCS

DATE:
January 2025

FIGURE 9



- Legend**
- Black Creek Aquifer Monitoring Well
 - Mill Creek
 - Property Line
 - SCRDI Bluff Road (Superfund Site)
 - Culvert
 - Ditch
 - Mill Creek Flow Direction
 - Dike 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. = 2 feet)
 - Direction of Groundwater
 - 117.33 Groundwater Elevation
- Based upon data collected on October 21, 2024



1:7,200

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

Datum: North American 1983



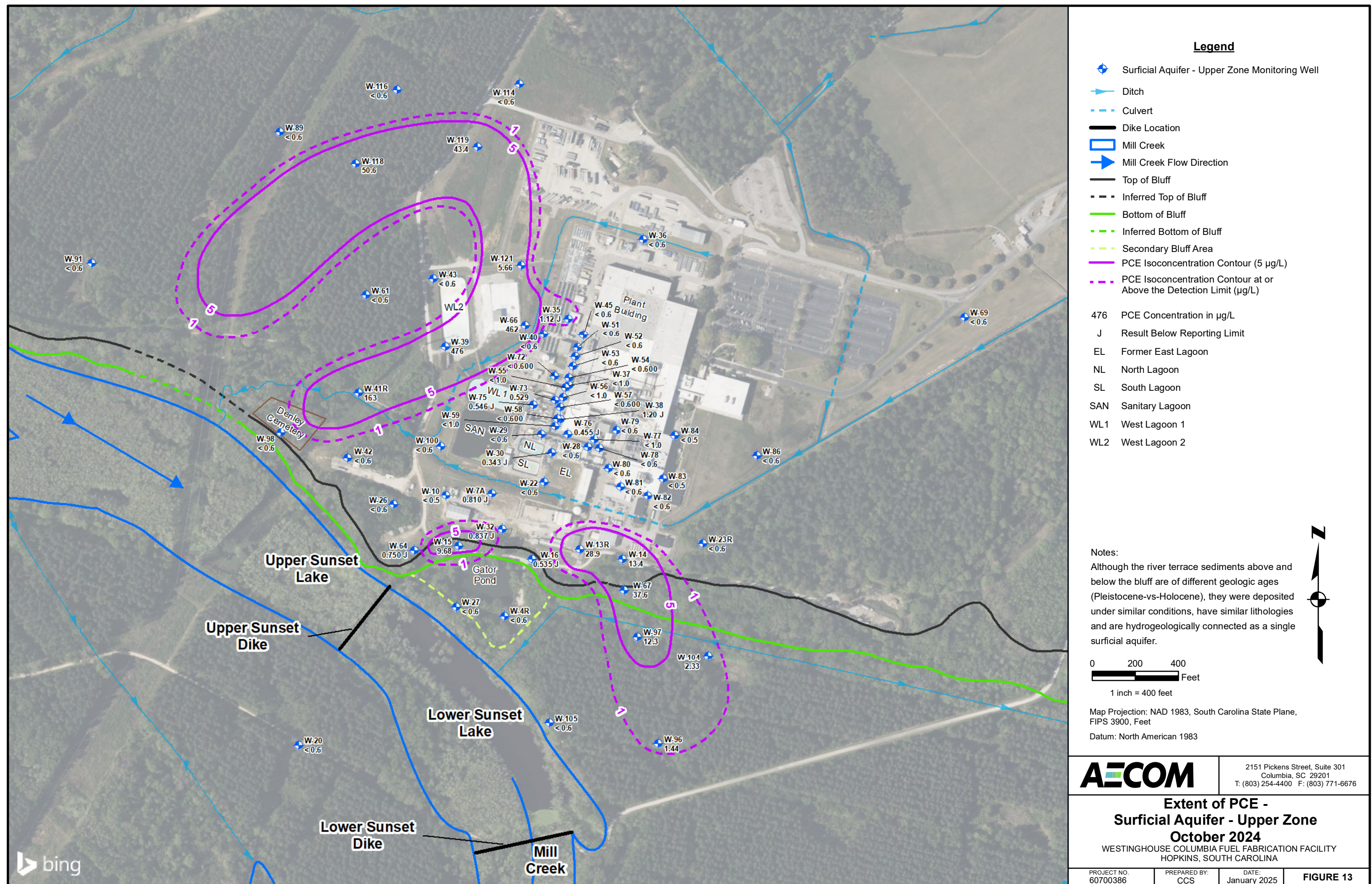
AECOM

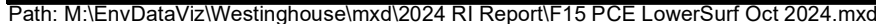
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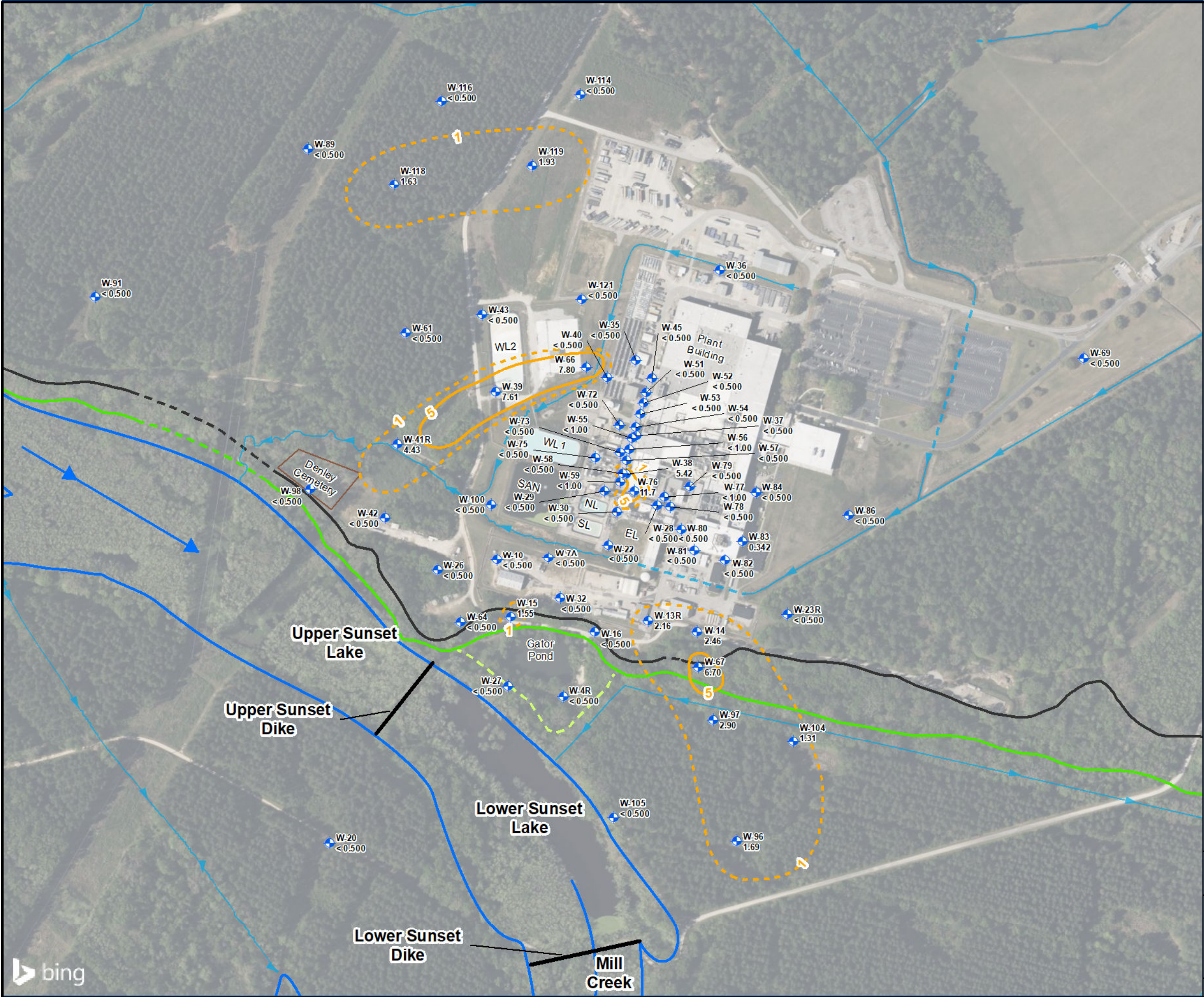
**Black Creek Aquifer
Potentiometric Map October 2024**

WESTINGHOUSE COLUMBIA FUEL FABRICATION FACILITY
HOPKINS, SOUTH CAROLINA

PROJECT NO. 60700386	PREPARED BY: CCS	DATE: January 2025	FIGURE 11
-------------------------	---------------------	-----------------------	------------------







- 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)
- 11.7 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.

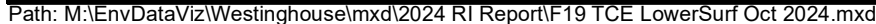
0 200 400
Feet
1 inch = 400 feet

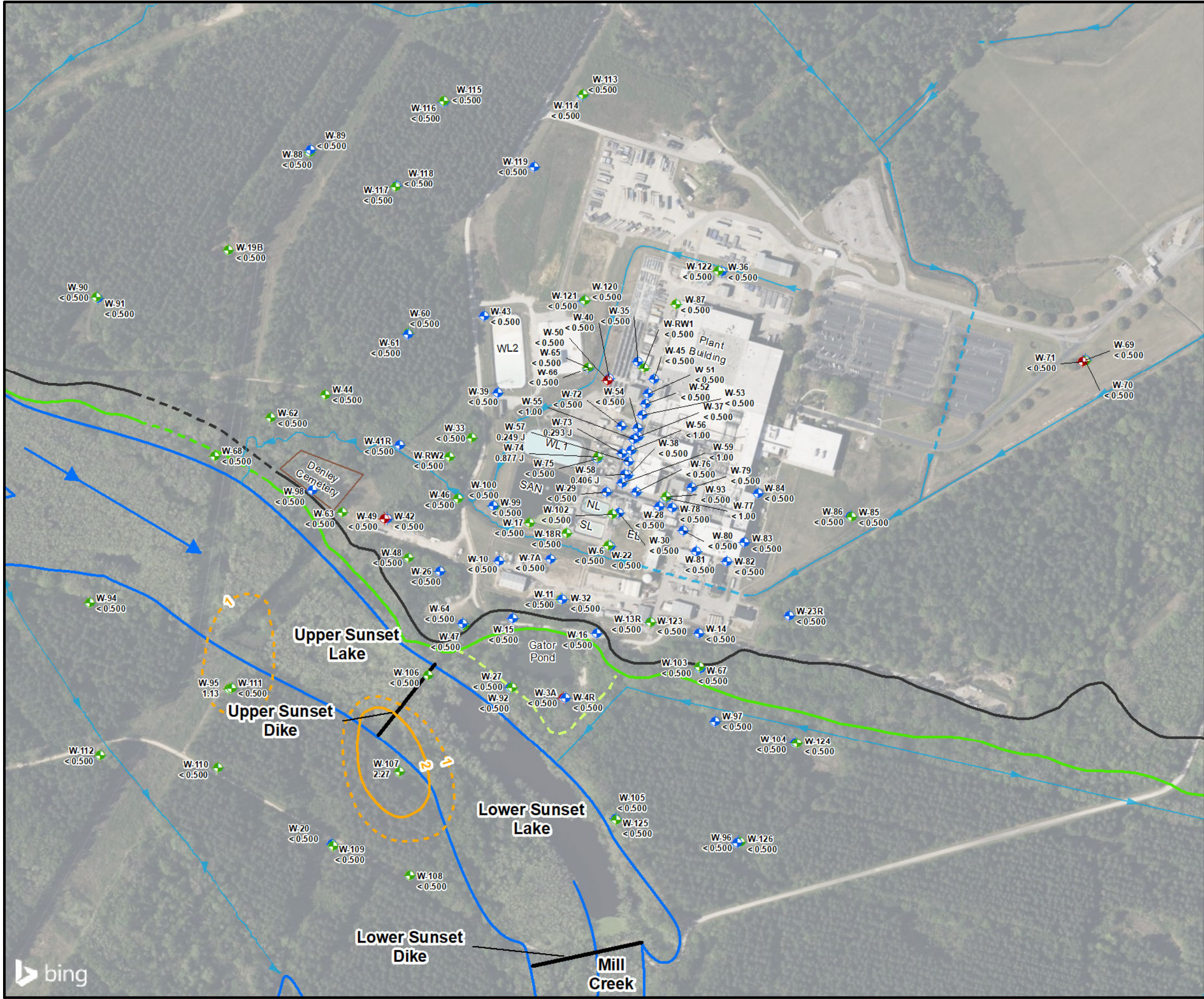
Map Projection: NAD 1983, South Carolina State Plane, FIPS 3900, Feet
Datum: North American 1983

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**Extent of TCE
Surficial Aquifer - Upper Zone
October 2024**
WESTINGHOUSE COLUMBIA FUEL FABRICATION FACILITY
HOPKINS, SOUTH CAROLINA

PROJECT NO. 60700386	PREPARED BY: CCS	DATE: January 2025	FIGURE 17
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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
- VC Isoconcentration Contour (2 ug/L)
- VC Isoconcentration Contour at or Above the Detection Limit (ug/L)

2.27 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:

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

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**Extent of VC in Groundwater
October 2024**

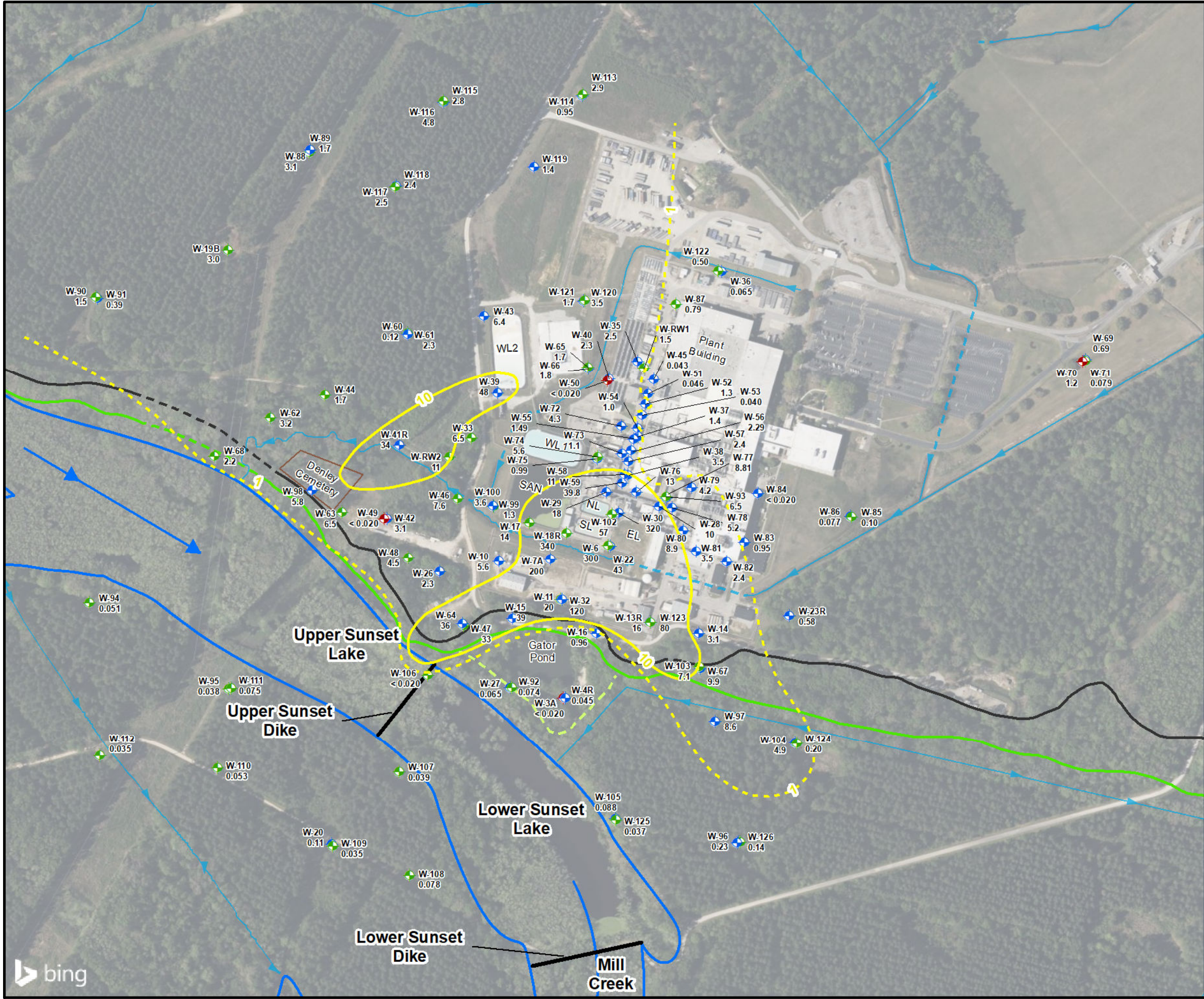
WESTINGHOUSE COLUMBIA FUEL FABRICATION FACILITY
HOPKINS, SOUTH CAROLINA

PROJECT NO.
60700386

PREPARED BY:
CCS

DATE:
January 2025

FIGURE 21



- 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)
- 340 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.

0 200 400 Feet

1 inch = 400 feet

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

Datum: North American 1983

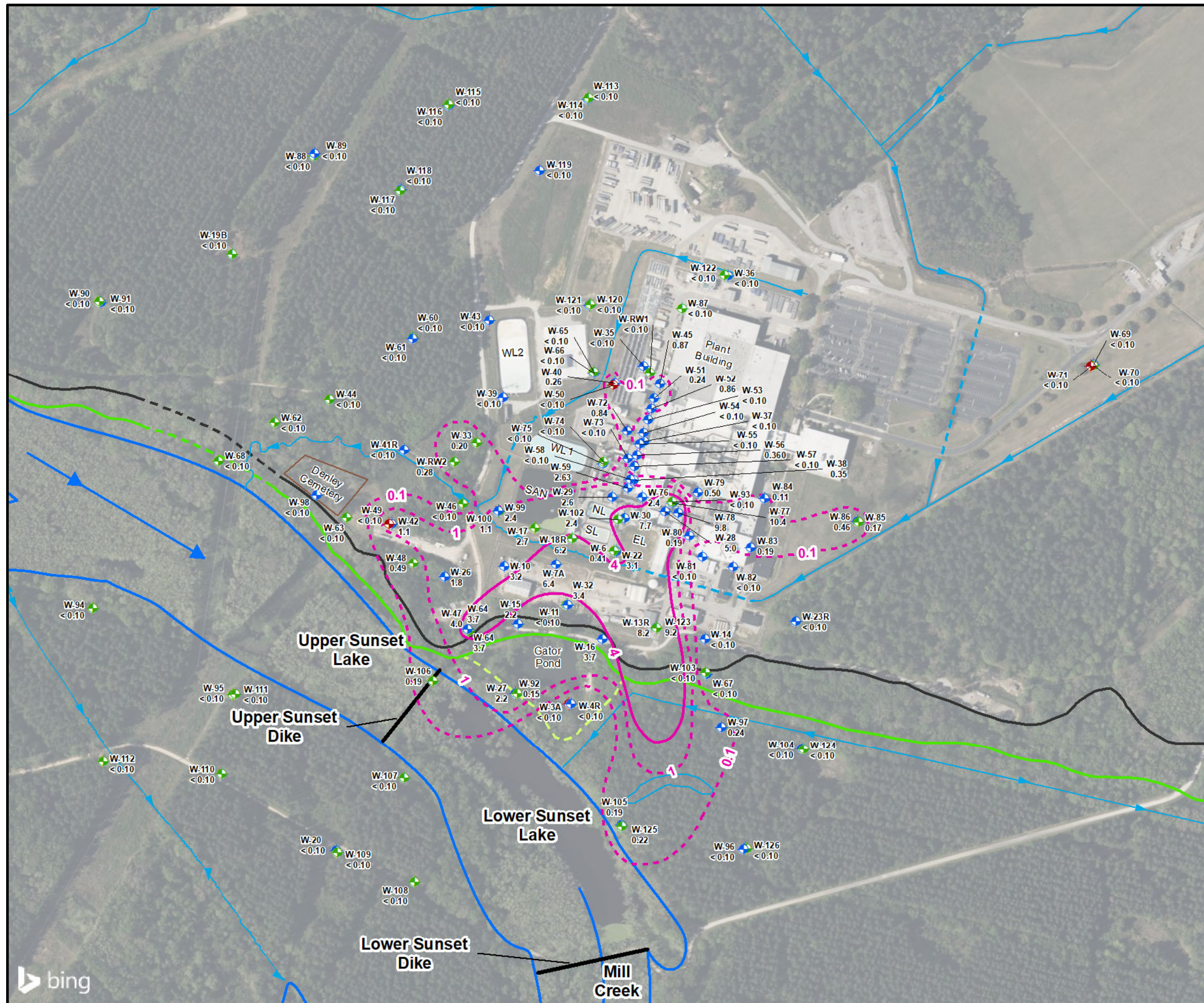


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Extent of Nitrate in Groundwater October 2024

WESTINGHOUSE COLUMBIA FUEL FABRICATION FACILITY
HOPKINS, SOUTH CAROLINA

PROJECT NO. 60700386	PREPARED BY: CCS	DATE: January 2025	FIGURE 23
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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)
 - 10.4 Fluoride 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.

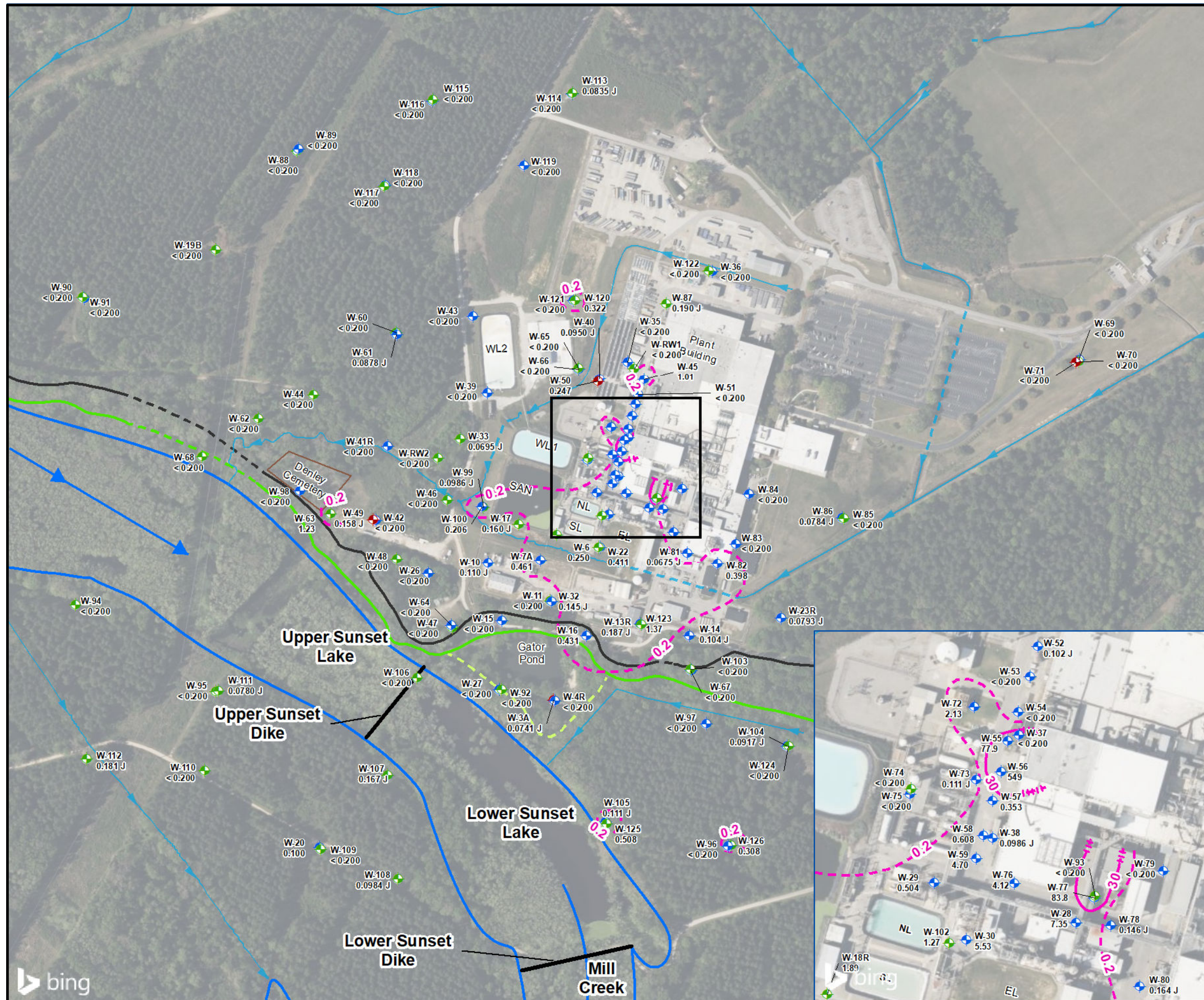
0 200 400
Feet
1 inch = 400 feet
Map Projection: NAD 1983, South Carolina State Plane, FIPS 3900, Feet
NAD: North American Datum 1983

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Extent of Fluoride in Groundwater October 2024

WESTINGHOUSE COLUMBIA FUEL FABRICATION FACILITY
HOPKINS, SOUTH CAROLINA

PROJECT NO. 60700386	PREPARED BY: CCS	DATE: January 2025	FIGURE 25
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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
- Uranium Isoconcentration Contour (30 µg/L)
- Uranium Inferred Isoconcentration Contour (µg/L)
- Uranium Isoconcentration Contour at or Above the Minimum Detectible Concentration (µg/L)

549 Total Uranium in µg/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

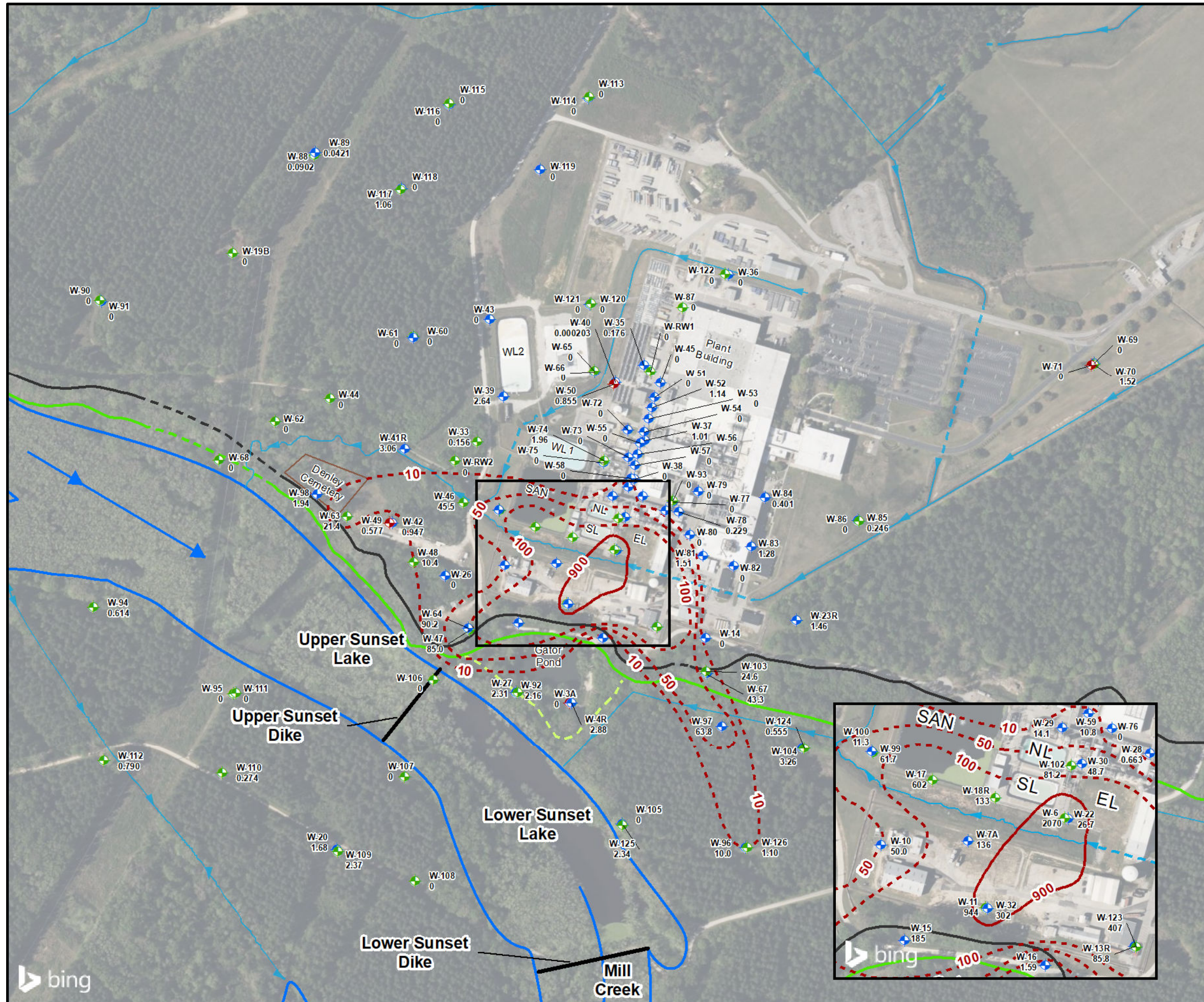
Map Projection: NAD 1983, South Carolina State Plane, FIPS 3900, Feet
Datum: North American 1983

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Extent of Uranium in Groundwater
October 2024

WESTINGHOUSE COLUMBIA FUEL FABRICATION FACILITY
HOPKINS, SOUTH CAROLINA

PROJECT NO. 60700386	PREPARED BY: CCS	DATE: January 2025	FIGURE 27
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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)

2070 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 Feet

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 October 2024**

WESTINGHOUSE COLUMBIA FUEL FABRICATION FACILITY
HOPKINS, SOUTH CAROLINA

PROJECT NO. 60700386	PREPARED BY: CCS	DATE: January 2025	FIGURE 29
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