

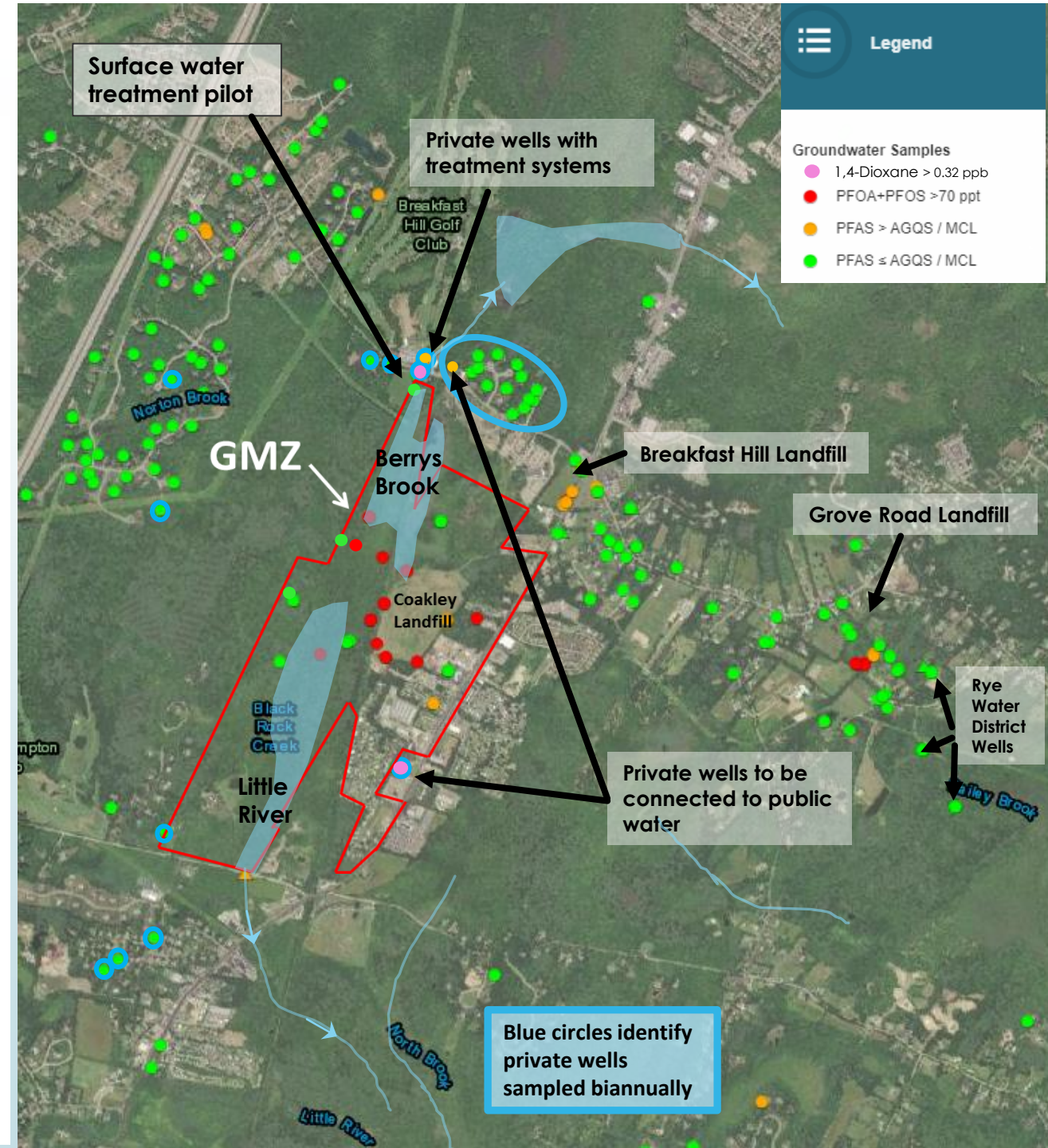
Coakley Landfill Update



Rye Board of Selectmen
August 8, 2022

Coakley Site Summary

- Location summary
- 1972-82 Received municipal and industrial waste
- 1982-85 Received incinerator residue
- 1983-86 Public water extended south and east of the site
- Prior to 2009 primarily BETX and inorganic plume
- 1,4-Dioxane and PFAS sampling in 2009 & 2016, resp.
- 2016 Extensive private well sampling
- 2018 Bedrock Investigation initiated
- 2018 NHDES lowers 1,4-Dioxane stdn from 3 to 0.32 ug/L
- 2018 Treatment systems installed on two private wells
- 2021 Two new wells exc. stdns for 1,4-dioxane and PFAS
- 2022 Public water to be extended to these two properties
- 2022 Final report on Bedrock Investigation

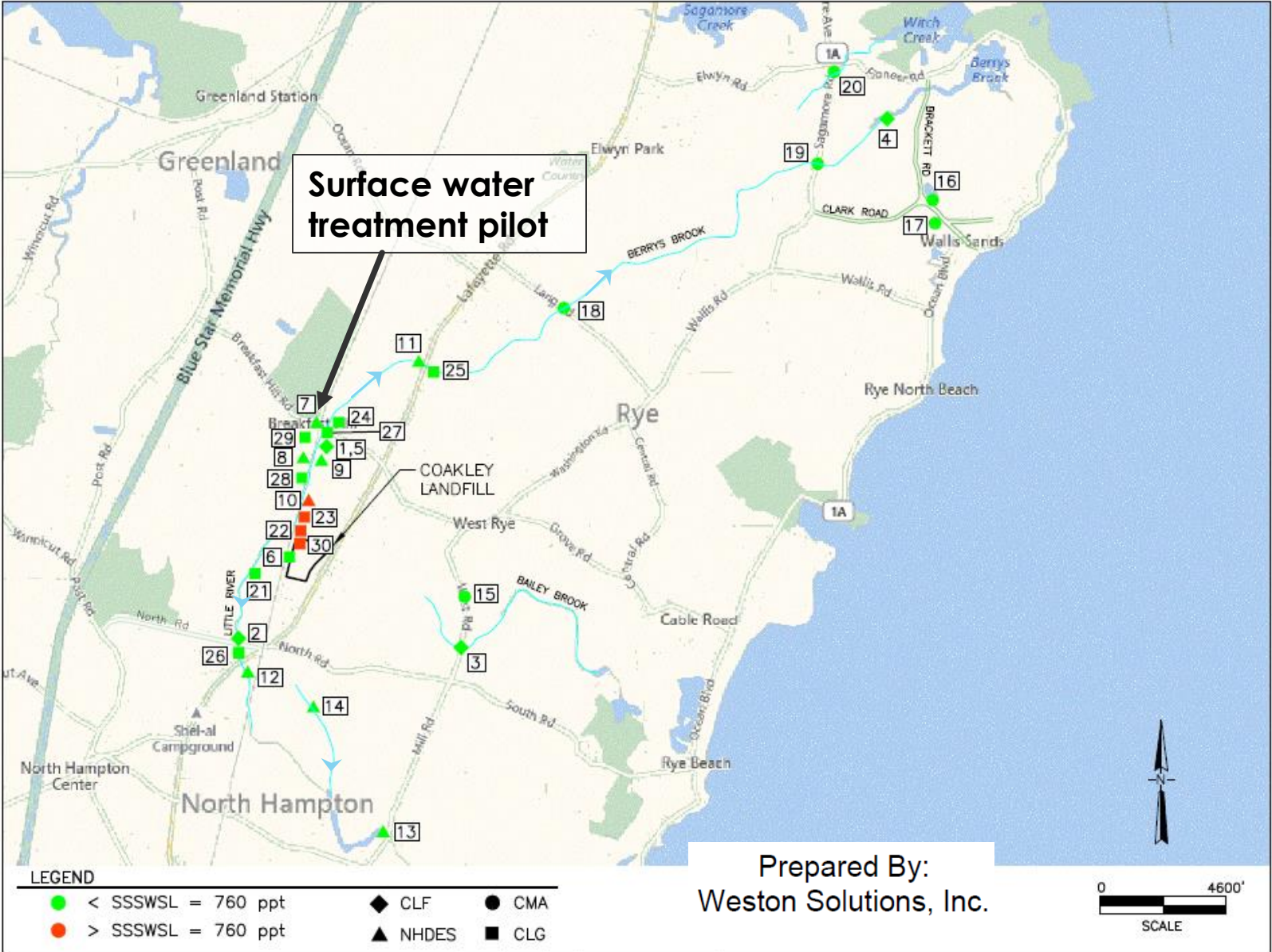


Coakley Administrative Summary

- 1983 Listed on National Priorities List (NPL, aka CERCLA/Superfund)
- 1990 Record of Decision for OU1 – 1994 OU2 ROD
- 1990 Consent Decree for OU1 – 1999 CD for OU2 (EPA Lead agency)
- 2016 Federal HAs and State AGQS for PFOA and PFOS = 70 ng/L (ppt)
- 2017 EPA issues site-specific screening levels for PFOA & PFOS
- 2018 NHDES lowers AGQS for 1,4-dioxane from 3.0 to 0.32 ug/L (ppb)
- 2019 State adopts HB 494 to address SW impacts related to the site
- 2020 State lowers AGQS for PFOA & PFOS and adds standards for PFHxS & PFNA
- 2022 EPA adds five PFAS to list of Regional Screening Levels
- 2022 EPA releases revised interim health advisories

Surface Water Sampling for PFAS

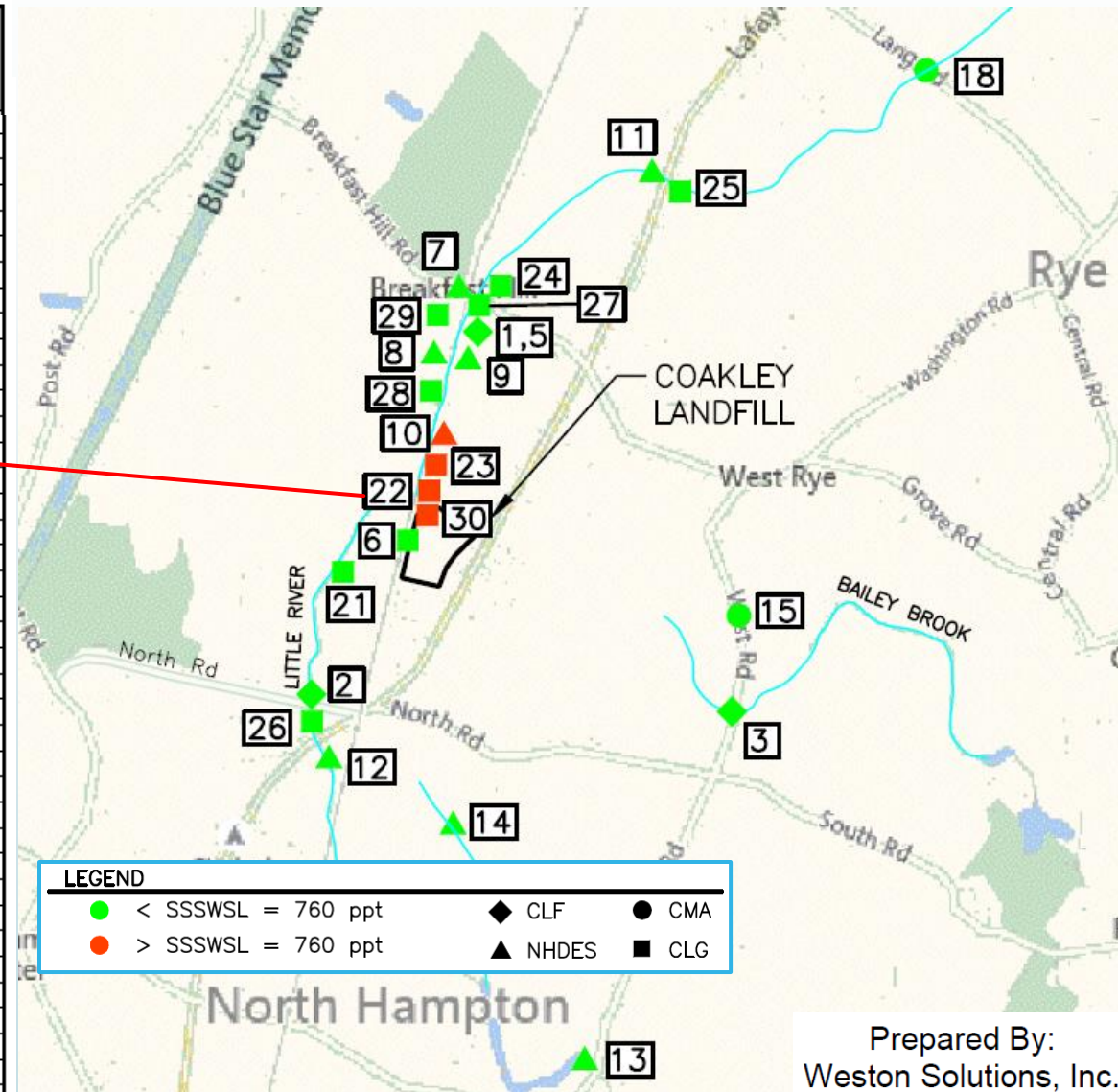
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Surface Water Sampling for PFAS (continued)

<https://www4.des.state.nh.us/IISProxy/IISProxy.dll?ContentId=4971455>

Map Identifier	Sample ID	Sample Location	Sample Date	PFOA	PFOS	PFBS	1,4-Dioxane
				(ug/L) SSL= 760	(ng/L) SSL= 760	(ng/L) SSL= 760,000	
21	SW-4	SW of the Coakley Landfill	9/15/2017	145	42.1	0.73	-
			4/27/2018	282	50.8	ND	0.25
			10/1/2018	176	50.7	ND	ND
			5/8/2019	146	80.5	3.77	0.92
			5/14/2020	114	35.6	ND	0.20
			5/13/2021	152	58.0	11.4	0.60
22	SW-5	Inbetween SW-103 and Leachate seep in NW of Coakley Landfill	5/2/2017	794/742	391/770	ND/ND	-
			9/19/2017	648/683	1120/1100	6.26/5.26	-
			4/25/2018	786/950	654/974	3.35/3.08	1.1/1.1
			10/4/2018	945/961	870/831	4.45/4.81	0.81/0.73
			5/8/2019	611/577	815/776	2.49/2.61	0.87/0.91
			5/14/2020	709/719	1060/1060	4.33/3.37	1.70/1.80
			5/13/2021	713/714	1040/1110	3.27/3.21	.73/.73
23	SW-103	NW of Coakley Landfill	4/25/2017	763	758	2.20	-
			9/19/2017	675	993	5.42	-
			4/25/2018	654	577	2.64	0.71
			10/4/2018	740	701	2.90	0.38
			5/8/2019	558	967	3.02	1.2
			10/3/2019	217	407	2.52	ND
			5/14/2020	594	1080	3.27	0.86
			5/13/2021	648	925	3.00	0.89
24	SW-110	East of Berrys Brook and just north of Breakfast Hill Rd	4/25/2017	198	77.1	ND	-
			9/13/2017	88.6	68.2	ND	-
			4/24/2018	87.9	61.6	ND	ND
			10/2/2018	76.4	60.9	ND	ND
			5/8/2019	112	108	ND	0.28
			10/3/2019	102/103	91.1/108	1.78/1.72	ND/ND
			5/14/2020	160	149	2.20	ND
			5/13/2021	163	217	4.34	0.23
25	SW-111	Berrys Brook at Lafayette Rd.	5/2/2017	57	25.5	ND	-
			9/19/2017	26.2	23.9	ND	-
			4/25/2018	24	12.1	ND	ND
			10/4/2018	23.1	7.77	ND	ND
			5/9/2019	44.9	36.7	ND	ND
			10/4/2019	2.51	20.7	1.60	ND
			5/15/2020	50.1	43.7	4.53	ND
			10/8/2020	22.2	20.6	2.24	ND
			5/13/2021	56.3	30.1	1.72	ND



Coakley Landfill Contact Information

[COAKLEY LANDFILL | Superfund Site Profile | Superfund Site Information | US EPA](#)

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