

**I-95 ETL Northbound Extension Phase II
Wetland Impacts - June 2024**

Contract	Wetland	Classification	USACE Regulated	MDE Regulated	Mitigation Required	Wetland Impacts (SF)		Buffer Impacts (SF)	
						Permanent	Temporary	Permanent	Temporary
KH-3043	WET E-11	PFO	Y	Y	Y	71,130	0	24,250	0
KH-3043	WET E-11	PEM	Y	Y	Y	20,037	0		
KH-3019	WET 12A	PFO	Y	Y	Y	174	0	2,592	0
KH-3019	WET 13A	PEM	Y	Y	Y	71	148	7,193	409
KH-3019	WET A-17	PFO	Y	Y	Y	1,123	0		
KH-3019	WET 17A	PFO	Y	Y	Y	159	0	1,256	0
KH-3019	WET 18A	PFO	Y	Y	Y	13,629	0	32,093	0
KH-3019	WET 18A	PEM	Y	Y	Y	6,319	0		
KH-3019	WET 35A	PFO	Y	Y	Y	3,380	0	17,323	0
KH-3019	WET 36A	PFO	Y	Y	Y	2,508	0		
KH-3019	WET 37A	PFO	Y	Y	Y	950	0	6,405	0
KH-3019	WET 94A	PFO	Y	Y	Y	290	0	4,122	0
KH-3019	WET A-1	PEM	Y	Y	Y	1,350	0	9,939	1,844
KH-3019	WET A-2	PFO	Y	Y	Y	468	0	3,884	0
KH-3019	WET A-3	PFO	Y	Y	Y	24,999	0	31,507	0
KH-3019	WET A-4	PFO	Y	Y	Y	338	0	3,652	0
KH-3019	WET A-5	PEM	Y	Y	Y	0	0	4,102	175
KH-3019	WET A-6	PFO	Y	Y	Y	0	0	4,921	0
KH-3019	WET A-19	PFO	Y	Y	Y	633	0		
KH-3019	WET A-7	PEM	Y	Y	Y	396	0	3,122	0
KH-3019	WET A-7	PFO	Y	Y	Y	216	0		
KH-3019	WET A-8	PFO	N	Y	Y	0	0	3,532	0
KH-3019	WET A-10	PFO	Y	Y	Y	0	0	1,100	0
KH-3019	WET A-10	PSS	Y	Y	Y	0	0		
KH-3019	WET A-11	PFO	Y	Y	Y	23	0		
KH-3019	WET A-12	PFO	Y	Y	Y	0	0	364	0
KH-3019	WET A-14	PFO	Y	Y	Y	541	0	6,699	0
KH-3019	WETLAND VV	PFO	Y	Y	Y	0	0		
KH-3019	WET A-15	PFO	Y	Y	Y	1,241	0	6,491	0
KH-3019 and KH-3043	WET A-16	PFO	Y	Y	Y	26,331	0	29,787	0
KH-3019	WET A-18	PFO	Y	Y	Y	1,308	0	7,786	0
KH-3019	WET A-21	PFO	Y	Y	Y	1,930	0	10,522	0

**I-95 ETL Northbound Extension Phase II
Wetland Impacts - June 2024**

Contract	Wetland	Classification	USACE Regulated	MDE Regulated	Mitigation Required	Wetland Impacts (SF)		Buffer Impacts (SF)	
						Permanent	Temporary	Permanent	Temporary
KH-3019	WET B	PEM	Y	Y	Y	2,091	0	26,600	0
KH-3019	WET B	PFO	Y	Y	Y	7,598	0		
KH-3019	WET C	PEM	Y	Y	Y	293	0		
KH-3019	WET C	PFO	Y	Y	Y	417	0		
KH-3019	WET O	PFO	Y	Y	Y	574	0		
KH-3019	WET L1	PFO	Y	Y	Y	1,167	0	4,863	0
KH-3019	WET L2	PEM	Y	Y	Y	1,352	0	6,821	0
KH-3019	WET N	PEM	Y	Y	Y	1,318	0	6,059	0
KH-3019	WETLAND A	PEM	Y	Y	Y	1,300	0	8,486	0
KH-3019	WETLAND C	PEM	Y	Y	Y	1,413	0	5,428	0
KH-3019	WETLAND H	PFO/PEM	Y	Y	Y	3,187	0	10,909	0
KH-3019	WETLAND L	PFO	Y	Y	Y	857	0	4,867	0
KH-3019	WETLAND LL	PEM	Y	Y	Y	0	291	4,823	1,341
KH-3019	WETLAND MM	PFO	Y	Y	Y	484	0		
KH-3019	WETLAND SS	PFO	Y	Y	Y	420	0	4,306	0
KH-3019	WETLAND UU	PFO	Y	Y	Y	0	0	1,450	0
KH-3020 and KH-3021*	WET C-3	PEM	Y	Y	Y	7,220	0	10,620	0
KH-3020	WET C-9	PFO	Y	Y	Y	431	0	2,602	0
KH-3020	WET C-13	PFO	Y	Y	Y	206	0	2,576	0
KH-3020	WET D-1	PFO	Y	Y	Y	4,289	0	7,500	0
KH-3020	WET G-1	PFO	N	Y	Y	2,017	0	9,646	0
KH-3020	WET G-2	PSS	N	Y	Y	170	0	3,430	0
KH-3020	WET G-4	PFO	Y	Y	Y	1,821	0	8,319	0
KH-3020	WET G-6A	PEM	Y	Y	Y	735	0	4,657	0
KH-3020	WET G-6B	PFO	Y	Y	Y	31	0		
KH-3021	WET C-1	PEM	Y	Y	Y	6,756	0	11,487	0
KH-3021	WET C-2	PSS	Y	Y	Y	4,946	0		
KH-3021	WET C-10	PFO	Y	Y	Y	209	0	4,524	0
KH-3021	WET C-12	PFO	Y	Y	Y	75	0	1,508	0
KH-3021	WETLAND AA	PFO	Y	Y	Y	262	0	2,729	0
KH-3021	WETLAND BB	PFO	Y	Y	Y	2,365	0	7,106	0
KH-3021	WETLAND T	PEM	N	Y	Y	538	0	4,501	0
KH-3021	WET 7C	PFO	Y	Y	Y	0	0	771	0
KH-3023	WET F-2	PSS	Y	Y	Y	503	0	10,388	0
KH-3023	WET F-4	PFO	Y	Y	Y	892	0		
KH-3023	WET F-5	PFO	Y	Y	Y	755	0		
KH-3023	WET F-3	PEM	Y	N	Y	318	0	0	0
KH-3023	WET F-6	PSS	Y	Y	Y	2,114	0	16,012	0

***Where resources are impacted by multiple contracts, impacts have been calculated in a way that avoids double-counting. Impacts listed in this table for these resources may not match contract-specific impacts due to overlap.**

**I-95 ETL Northbound Extension Phase II
Wetland Impacts - June 2024**

Contract	Wetland	Classification	USACE Regulated	MDE Regulated	Mitigation Required	Wetland Impacts (SF)		Buffer Impacts (SF)	
						Permanent	Temporary	Permanent	Temporary
KH-3033	WETLAND WP004	PFO	Y	Y	Y	939	0	785	1,332
KH-3038	WET 01	PEM	Y	Y	N	0	17,667	0	39,375
KH-3038	WET 01	PFO	Y	Y	N	0	23,647		
KH-3038	WET 01	PSS	Y	Y	N	0	6,259		
KH-3038	WET 01A	PFO	Y	Y	N	0	216		
KH-3038	WET 02	PEM	Y	Y	N	0	2,999	0	15,996
KH-3038	WET 02	PFO	Y	Y	N	0	8,842		
KH-3038	WET 02A	PEM	Y	Y	N	0	179	0	2,445
KH-3038	WET 03	PEM	Y	Y	N	0	518	0	5,316
KH-3038	WET 04	PEM	Y	Y	N	0	15,461	0	3,805
KH-3038	WET 04	PFO	Y	Y	N	0	18,835		
KH-3038	WET 05	PEM	Y	Y	N	0	1,407	0	33,524
KH-3038	WET 06	PEM	Y	Y	N	0	30,497		
KH-3038	WET 06	PFO	Y	Y	N	0	3,606		
KH-3038	WET 07	PFO	Y	Y	N	0	0	0	470
KH-3038	WET 09	PEM	Y	Y	N	0	1,026	0	31,181
KH-3038	WET 09	PFO	Y	Y	N	0	997		
KH-3038	WET 10	PUB	Y	Y	N	0	5,236	0	9,565
KH-3038	WET 11	PEM	Y	Y	N	0	740	0	4,848
KH-3038	WET 12	PEM	Y	Y	N	0	4,351	0	12,032
KH-3038	WET 20	PEM	Y	Y	N	0	1,728	0	7,352
KH-3038	WET 21	PEM	Y	Y	N	0	1,374	0	7,491
KH-3038	WET 22	PEM	Y	Y	N	0	4,363	0	13,769
Roadway Improvement Impact Totals									
USACE Regulated Wetland Totals									
Total PEM						50,969	439	N/A	N/A
Total PSS						7,563	0	N/A	N/A
Total PFO						174,224	0	N/A	N/A
Total PFO/PEM						3,187	0	N/A	N/A
Total PUB						0	0	N/A	N/A
USACE TOTAL						235,943	439	N/A	N/A
MDE Regulated Wetland Totals									
Total PEM						51,189	439	N/A	N/A
Total PSS						7,733	0	N/A	N/A
Total PFO						176,241	0	N/A	N/A
Total PFO/PEM						3,187	0	N/A	N/A
Total PUB						0	0	N/A	N/A
Total Wetland Buffer						N/A	N/A	415,817	3,769
MDE TOTAL						238,350	439	415,817	3,769

**I-95 ETL Northbound Extension Phase II
Wetland Impacts - June 2024**

<i>Contract</i>	<i>Wetland</i>	<i>Classification</i>	<i>USACE Regulated</i>	<i>MDE Regulated</i>	<i>Mitigation Required</i>	<i>Wetland Impacts (SF)</i>		<i>Buffer Impacts (SF)</i>	
						<i>Permanent</i>	<i>Temporary</i>	<i>Permanent</i>	<i>Temporary</i>
Mitigation Impact Totals									
USACE Regulated Wetland Totals									
Total PEM						0	82,310	N/A	N/A
Total PSS						0	6,259	N/A	N/A
Total PFO						939	56,143	N/A	N/A
Total PFO/PEM						0	0	N/A	N/A
Total PUB						0	5,236	N/A	N/A
USACE TOTAL						939	149,948	N/A	N/A
MDE Regulated Wetland Totals									
Total PEM						0	82,310	N/A	N/A
Total PSS						0	6,259	N/A	N/A
Total PFO						939	56,143	N/A	N/A
Total PFO/PEM						0	0	N/A	N/A
Total PUB						0	5,236	N/A	N/A
Total Wetland Buffer						N/A	N/A	785	188,501
MDE TOTAL						939	149,948	785	188,501
Projectwide Impact Totals									
USACE Regulated Wetland Totals									
Total PEM						50,969	82,749	N/A	N/A
Total PSS						7,563	6,259	N/A	N/A
Total PFO						175,163	56,143	N/A	N/A
Total PFO/PEM						3,187	0	N/A	N/A
Total PUB						0	5,236	N/A	N/A
USACE TOTAL						236,882	150,387	N/A	N/A
MDE Regulated Wetland Totals									
Total PEM						51,189	82,749	N/A	N/A
Total PSS						7,733	6,259	N/A	N/A
Total PFO						177,180	56,143	N/A	N/A
Total PFO/PEM						3,187	0	N/A	N/A
Total PUB						0	5,236	N/A	N/A
Total Wetland Buffer						N/A	N/A	416,602	192,270
MDE TOTAL						239,289	150,387	416,602	192,270

**I-95 ETL Northbound Extension Phase II
Waterway Impacts - June 2024**

Contract	Waterway	Classification	USACE Regulated	MDE Regulated	Mitigation Required	Permanent Stream Impacts		Temporary Stream Impacts		Permanent Floodplain Impacts	Temporary Floodplain Impacts
						LF	SF	LF	SF	SF	SF
KH-3043	Relocated WUS A-17	Intermittent	Y	Y	Y	17	27	74	240	0	0
KH-3043	WUS E-12	Intermittent	Y	Y	Y	120	1,518	0	0	0	0
KH-3019	Unnamed Trib. to Winters Run Floodplain	100-YR FP	N	Y	N	0	0	0	0	1,087	43
KH-3019 and KH-3021*	Winters Run Floodplain	100-YR FP	N	Y	N	0	0	0	0	88,675	9,915
KH-3019	Waters B	Perennial	Y	Y	Y	234	1,703	12	46	0	0
KH-3019	Waters B Culvert	Perennial	Y	Y	N	240	600	0	0	0	0
KH-3019	Waters B Relocated	Perennial	Y	Y	N	490	2,558	0	0	0	0
KH-3019	Waters D	Intermittent	Y	Y	Y	268	1,910	29	208	0	0
KH-3019	Waters E	Intermittent	Y	Y	Y	377	2,366	31	279	0	0
KH-3019	Waters E Culvert	Intermittent	Y	Y	N	339	862	0	0	0	0
KH-3019	Waters F	Perennial	Y	Y	Y	102	444	64	331	0	0
KH-3019 and KH-3022*	Waters G	Perennial	Y	Y	Y	654	6,483	33	522	0	0
KH-3019 and KH-3022*	Waters G Culvert	Perennial	Y	Y	N	239	2,253	242	1,438	0	0
KH-3019	Waters G Stabilized Seg. 1	Perennial	Y	Y	N	864	9,647	0	0	0	0
KH-3019	Waters G Relocated Seg. 2	Perennial	Y	Y	N	451	4,764	0	0	0	0
KH-3019	Waters G Relocated Seg. 7	Perennial	Y	Y	N	421	4,434	0	0	0	0
KH-3019	Waters J	Perennial	Y	Y	Y	47	171	42	187	0	0
KH-3019	Waters K	Intermittent	Y	Y	Y	125	530	54	212	0	0
KH-3019	Waters M	Perennial	Y	Y	Y	197	2,139	19	225	0	0
KH-3019	Waters N	Intermittent	Y	Y	Y	71	466	18	87	0	0
KH-3019 and KH-3021*	Waters U Winters Run	Perennial	Y	Y	Y	344	16,846	139	16,629	0	0
KH-3019 and KH-3021*	Waters V	Intermittent	Y	Y	Y	295	1,828	32	346	0	0
KH-3019	Waters V Relocated	Intermittent	Y	Y	N	607	3,870	0	0	0	0
KH-3019 and KH-3021*	Waters FF	Intermittent	Y	Y	Y	120	588	0	0	0	0
KH-3019 and KH-3021*	Waters FF Culvert	Intermittent	Y	Y	N	54	287	0	0	0	0
KH-3019	Waters NN	Ephemeral	Y	N	N	9	48	57	281	0	0
KH-3019	Waters QQ	Intermittent	Y	Y	Y	40	141	10	35	0	0
KH-3019	Waters QQ Culvert	Intermittent	Y	Y	N	254	672	0	0	0	0
KH-3019	Waters TT	Ephemeral	Y	N	N	20	69	5	26	0	0
KH-3019	WUS 13A-b	Ephemeral	Y	N	N	43	339	0	0	0	0
KH-3019	WUS 20A	Perennial	Y	Y	Y	275	2,715	194	2,185	0	0
KH-3019	WUS 20A Culvert	Perennial	Y	Y	N	0	0	208	1,665	0	0
KH-3019	WUS 21A	Intermittent	Y	Y	Y	43	393	0	0	0	0
KH-3019	WUS 23A	Perennial	Y	Y	Y	202	1,549	42	312	0	0
KH-3019	WUS 23A Culvert	Perennial	Y	Y	N	521	3,132	0	0	0	0
KH-3019	WUS 23A Relocated	Perennial	Y	Y	N	265	2,007	0	0	0	0

***Where resources are impacted by multiple contracts, impacts have been calculated in a way that avoids double-counting. Impacts listed in this table for these resources may not match contract-specific impacts due to overlap.**

**I-95 ETL Northbound Extension Phase II
Waterway Impacts - June 2024**

Contract	Waterway	Classification	USACE Regulated	MDE Regulated	Mitigation Required	Permanent Stream Impacts		Temporary Stream Impacts		Permanent Floodplain Impacts	Temporary Floodplain Impacts
						LF	SF	LF	SF	SF	SF
KH-3019	WUS 25A	Perennial	Y	Y	Y	46	327	25	113	0	0
KH-3019	WUS 25A Relocated	Perennial	Y	Y	N	301	2,449	0	0	0	0
KH-3019	WUS 25B	Perennial	Y	Y	Y	20	137	3	17	0	0
KH-3019	WUS 25B Culvert	Perennial	Y	Y	N	112	393	0	0	0	0
KH-3019	WUS 26A	Intermittent	Y	Y	Y	394	1,797	0	0	0	0
KH-3019	WUS 29A	Ephemeral	Y	N	N	22	131	6	30	0	0
KH-3019	WUS 30A	Intermittent	Y	Y	Y	20	62	20	110	0	0
KH-3019	WUS A-1	Intermittent	Y	Y	Y	206	902	0	0	0	0
KH-3019	WUS A-2	Perennial	Y	Y	Y	24	52	41	192	0	0
KH-3019	WUS A-4	Perennial	Y	Y	Y	16	72	0	0	0	0
KH-3019	WUS A-5	Intermittent	Y	Y	Y	0	0	17	44	0	0
KH-3019	WUS A-6	Ephemeral	Y	N	N	0	0	17	32	0	0
KH-3019	WUS A-7	Ephemeral	Y	N	N	55	151	26	77	0	0
KH-3019	WUS A-8	Intermittent	Y	Y	Y	24	71	10	30	0	0
KH-3019	WUS A-9	Intermittent	Y	Y	Y	29	70	34	53	0	0
KH-3019	WUS A-10	Intermittent	Y	Y	Y	115	820	0	0	0	0
KH-3019	WUS A-13	Intermittent	Y	Y	Y	91	497	58	204	0	0
KH-3019 and KH-3043	WUS A-17	Intermittent	Y	Y	Y	305	610	0	0	0	0
KH-3019	WUS A-17 Relocated	Intermittent	Y	Y	N	293	580	0	0	0	0
KH-3019	WUS A-18	Intermittent	Y	Y	Y	9	91	27	214	0	0
KH-3019	WUS A-18 Relocated	Intermittent	Y	Y	N	137	1,117	0	0	0	0
KH-3019	WUS A-19	Intermittent	Y	Y	Y	18	36	0	0	0	0
KH-3019	WUS A-20	Intermittent	Y	Y	Y	102	310	0	0	0	0
KH-3019	WUS A-21	Intermittent	Y	Y	Y	76	399	0	0	0	0
KH-3019	WUS A-24	Intermittent	Y	Y	Y	52	121	0	0	0	0
KH-3019 and KH-3022*	WUS B-4	Ephemeral	Y	N	N	212	1,436	0	0	0	0
KH-3019	WUS R-1A	Intermittent	Y	Y	Y	0	0	4	4	0	0
KH-3020	Haha Branch Floodplain	100-YR FP	N	Y	N	0	0	0	0	2,679	226
KH-3020	Bynum Run Floodplain	100-YR FP	N	Y	N	0	0	0	0	1,692	586
KH-3020	WUS 1D Relocated	Intermittent	Y	Y	N	520	2,760	0	0	0	0
KH-3020	WUS 2D	Perennial	Y	Y	Y	67	585	16	220	0	0
KH-3020	WUS 3D (Bynum Run)	Perennial	Y	Y	Y	8	42	18	349	0	0
KH-3020	WUS 17C	Perennial	Y	Y	Y	0	0	32	285	0	0
KH-3020	WUS 18C (Haha Branch)	Perennial	Y	Y	Y	0	0	57	1,085	0	0
KH-3020	WUS 18C Culvert (Haha Branch)	Perennial	Y	Y	N	0	0	116	1,393	0	0
KH-3020 and KH-3021*	WUS C-7	Intermittent	Y	Y	Y	120	588	0	0	0	0
KH-3020 and KH-3021*	WUS C-8	Intermittent	Y	Y	Y	364	3,184	0	0	0	0
KH-3020 and KH-3021*	WUS C-9	Ephemeral	Y	N	N	42	355	0	0	0	0
KH-3020	WUS C-10 (Haha Branch)	Perennial	Y	Y	Y	72	750	2	22	0	0
KH-3020	WUS C-10 Culvert (Haha Branch)	Perennial	Y	Y	N	0	0	113	1,349	0	0

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**I-95 ETL Northbound Extension Phase II
Waterway Impacts - June 2024**

Contract	Waterway	Classification	USACE Regulated	MDE Regulated	Mitigation Required	Permanent Stream Impacts		Temporary Stream Impacts		Permanent Floodplain Impacts	Temporary Floodplain Impacts
						LF	SF	LF	SF	SF	SF
KH-3020 and KH-3021*	WUS C-12	Ephemeral	Y	N	N	12	59	0	0	0	0
KH-3020	WUS C-13	Intermittent	Y	Y	Y	88	666	0	0	0	0
KH-3020	WUS C-14	Ephemeral	Y	N	N	7	8	0	0	0	0
KH-3020	WUS C-15	Intermittent	Y	Y	Y	0	0	16	89	0	0
KH-3020	WUS C-16	Intermittent	Y	Y	Y	11	53	0	0	0	0
KH-3020	WUS C-17	Intermittent	Y	Y	Y	212	1,725	3	22	0	0
KH-3020	WUS C-21	Perennial	Y	Y	Y	43	290	0	0	0	0
KH-3020	WUS C-21 Culvert	Perennial	Y	Y	N	0	0	9	58	0	0
KH-3020	WUS C-25	Intermittent	Y	Y	Y	224	1,250	0	0	0	0
KH-3020	WUS C-26	Intermittent	Y	Y	Y	7	26	0	0	0	0
KH-3020	WUS C-27	Intermittent	Y	Y	Y	38	286	12	122	0	0
KH-3020	WUS C-27 Culvert	Intermittent	Y	Y	N	0	0	39	392	0	0
KH-3020	WUS G-3	Intermittent	Y	Y	Y	69	699	66	590	0	0
KH-3020	WUS G-5	Perennial	Y	Y	Y	55	493	21	210	0	0
KH-3020	WUS G-6	Ephemeral	Y	N	N	70	521	0	0	0	0
KH-3020	WUS G-8 Relocated	Intermittent	Y	Y	N	451	2,598	0	0	0	0
KH-3020	WUS G-10 Relocated	Intermittent	Y	Y	N	358	2,105	0	0	0	0
KH-3020	WUS G-13	Intermittent	Y	Y	Y	9	49	32	410	0	0
KH-3020	WUS G-14	Ephemeral	Y	N	N	158	749	0	0	0	0
KH-3020	WUS G-15	Ephemeral	Y	N	N	41	439	0	0	0	0
KH-3020	WUS G-18A Relocated	Intermittent	Y	Y	N	475	3,044	0	0	0	0
KH-3020	WUS G-18B Relocated	Intermittent	Y	Y	N	99	415	0	0	0	0
KH-3020	WUS G-20	Intermittent	Y	Y	Y	181	741	0	0	0	0
Lumen KH-3020	WUS 16C-a	Ephemeral	Y	N	N	0	0	360	1,346	0	0
KH-3021	Waters U (Winters Run) Bank Stabilization	Perennial	Y	Y	N	195	3,077	0	0	0	0
KH-3021	Waters W	Perennial	Y	Y	Y	0	0	43	211	0	0
KH-3021	Waters Y	Perennial	Y	Y	Y	911	8,739	47	740	0	0
KH-3021	Waters Y Culvert	Perennial	Y	Y	N	302	1,872	0	0	0	0
KH-3021	Waters CC	Intermittent	Y	Y	Y	46	229	0	0	0	0
KH-3021	Waters OO	Intermittent	Y	Y	Y	208	1,166	0	0	0	0
KH-3021	WUS C-3	Intermittent	Y	Y	Y	132	724	0	0	0	0
KH-3021	WUS C-3 Culvert	Intermittent	Y	Y	N	0	0	30	74	0	0
KH-3021	WUS C-4	Intermittent	Y	Y	Y	316	5,304	0	0	0	0
KH-3021	WUS C-5	Intermittent	Y	Y	Y	102	453	0	0	0	0
KH-3021	WUS C-6	Intermittent	Y	Y	Y	109	648	0	0	0	0
KH-3021	WUS C-11	Ephemeral	Y	N	N	5	18	0	0	0	0
KH-3021	WUS C-28	Perennial	Y	Y	Y	567	5,808	0	0	0	0
KH-3021	WUS C-29	Perennial	Y	Y	Y	10	25	0	0	0	0
KH-3021	WUS C-30	Intermittent	Y	Y	Y	0	0	8	70	0	0
KH-3022	WUS A-26	Ephemeral	Y	N	N	59	127	0	0	0	0
KH-3022	WUS A-27	Intermittent	Y	Y	Y	60	151	0	0	0	0
KH-3023	WUS F-1	Intermittent	Y	Y	Y	57	120	0	0	0	0
KH-3023	WUS F-1	Perennial	Y	Y	Y	158	839	0	0	0	0
KH-3023	WUS F-1 Culvert	Intermittent	Y	Y	N	19	62	0	0	0	0
KH-3023	WUS F-2	Intermittent	Y	Y	Y	101	201	0	0	0	0
KH-3023	WUS F-2 Relocated	Intermittent	Y	Y	N	255	489	0	0	0	0

**I-95 ETL Northbound Extension Phase II
Waterway Impacts - June 2024**

Contract	Waterway	Classification	USACE Regulated	MDE Regulated	Mitigation Required	Permanent Stream Impacts		Temporary Stream Impacts		Permanent Floodplain Impacts	Temporary Floodplain Impacts
						LF	SF	LF	SF	SF	SF
KH-3023	WUS F-3	Intermittent	Y	Y	Y	45	120	0	0	0	0
KH-3030	WUS 19C	Intermittent	Y	Y	Y	93	372	0	0	0	0
KH-3030	WUS 19C Culvert	Intermittent	Y	Y	N	0	0	11	37	0	0
KH-3030	WUS 20C	Ephemeral	Y	N	N	451	1,993	122	517	0	0
KH-3031	Bynum Run Floodplain	100-YR FP	N	Y	N	0	0	0	0	12,793	160
KH-3031	WUS 2D	Perennial	Y	Y	Y	0	0	31	198	0	0
KH-3031	WUS 3D (Bynum Run)	Perennial	Y	Y	Y	33	230	42	236	0	0
KH-3031	WUS 4D	Perennial	Y	Y	N	66	431	33	857	0	0
KH-3031	WUS 5D	Intermittent	Y	Y	Y	73	507	0	0	0	0
KH-3031	WUS 6D	Intermittent	Y	Y	Y	76	828	6	66	0	0
KH-3031	WUS 6D Culvert	Intermittent	Y	Y	N	17	34	0	0	0	0
KH-3033	Unnamed Trib. To Northeast Creek Floodplain	100-YR FP	N	Y	N	0	0	0	0	3,731	5,232
KH-3033	WUS WL003 (MD7)	Perennial	Y	Y	Y	0	0	27	138	0	0
KH-3038	Jones Falls Floodplain	100-YR FP	N	Y	N	0	0	0	0	0	750,405
KH-3038	WUS 01	Perennial	Y	Y	N	831	4,002	4	14	0	0
KH-3038	WUS 02	Intermittent	Y	Y	N	237	593	0	0	0	0
KH-3038	WUS 02	Perennial	Y	Y	N	418	1,820	0	0	0	0
KH-3038	WUS 03	Perennial	Y	Y	N	292	2,014	0	0	0	0
KH-3038	WUS 04	Perennial	Y	Y	N	728	8,458	0	0	0	0
KH-3038	WUS 05	Perennial	Y	Y	N	2,311	35,232	24	345	0	0
KH-3038	WUS 06	Perennial	Y	Y	N	113	339	0	0	0	0
KH-3038	WUS 07	Intermittent	Y	Y	N	27	53	4	8	0	0
KH-3038	WUS 11	Intermittent	Y	Y	N	9	21	46	101	0	0
KH-3038	WUS 13	Intermittent	Y	Y	N	0	0	141	365	0	0
KH-3038	WUS 20	Perennial	Y	Y	N	1,089	9,038	0	0	0	0
KH-3038	WUS 21	Intermittent	Y	Y	N	540	4,413	0	0	0	0
Roadway Improvement Impact Totals											
USACE Regulated Waterways Totals											
Total Perennial						8,552	88,056	1,644	31,075	N/A	N/A
Total Intermittent						9,536	54,538	641	3,938	N/A	N/A
Total Ephemeral						1,206	6,443	593	2,309	N/A	N/A
USACE TOTAL						19,294	149,037	2,878	37,322	N/A	N/A
MDE Regulated Waterways Totals											
Total Perennial						8,552	88,056	1,644	31,075	N/A	N/A
Total Intermittent						9,536	54,538	641	3,938	N/A	N/A
Total Floodplain						N/A	N/A	N/A	N/A	106,926	10,930
MDE TOTAL						18,088	142,594	2,285	35,013	106,926	10,930
Mitigation Impact Totals											
USACE Regulated Waterways Totals											
Total Perennial						5,782	60,903	55	497	N/A	N/A
Total Intermittent						813	5,080	191	474	N/A	N/A
Total Ephemeral						0	0	0	0	N/A	N/A
USACE TOTAL						6,595	65,983	246	971	N/A	N/A
MDE Regulated Waterways Totals											
Total Perennial						5,782	60,903	55	497	N/A	N/A
Total Intermittent						813	5,080	191	474	N/A	N/A
Total Floodplain						N/A	N/A	N/A	N/A	3,731	755,637
MDE TOTAL						6,595	65,983	246	971	3,731	755,637
Projectwide Impact Totals											
USACE Regulated Waterways Totals											
Total Perennial						14,334	148,959	1,699	31,572	N/A	N/A
Total Intermittent						10,349	59,618	832	4,412	N/A	N/A
Total Ephemeral						1,206	6,443	593	2,309	N/A	N/A
USACE TOTAL						25,889	215,020	3,124	38,293	N/A	N/A
MDE Regulated Waterways Totals											
Total Perennial						14,334	148,959	1,699	31,572	N/A	N/A
Total Intermittent						10,349	59,618	832	4,412	N/A	N/A
Total Floodplain						N/A	N/A	N/A	N/A	110,657	766,567
MDE TOTAL						24,683	208,577	2,531	35,984	110,657	766,567

I-95 ETL Northbound Extension Phase II
Impact Changes Over Time - June 2024

Resource Type	Original Permit Permanent Impacts		Original Permit Temporary Impacts		2021 (Previous PN) Permanent Impacts		2021 (Previous PN) Temporary Impacts		Jan. 2023 Mod Permanent Impacts		Jan. 2023 Mod Temporary Impacts		Feb. 2024 Mod Permanent Impacts		Feb. 2024 Mod Temporary Impacts		June 2024 Mod Permanent Impacts		June 2024 Mod Temporary Impacts		Current Modification Permanent Impacts		Current Modification Temporary Impacts	
	LF	SF	LF	SF	LF	SF	LF	SF	LF	SF	LF	SF	LF	SF	LF	SF	LF	SF	LF	SF	LF	SF	LF	SF
USACE Regulated Waterways Totals																								
Total Perennial	18,072	194,975	107	1,181	14,013	147,564	1,560	25,089	14,037	147,618	1,847	28,625	14,316	148,821	1,674	31,715	14,336	148,976	1,699	31,576	14,334	148,959	1,699	31,572
Total Intermittent	10,483	59,775	0	0	9,956	58,298	954	4,175	9,864	57,155	1,056	5,056	9,853	57,130	1,068	5,126	9,958	57,568	1,010	4,674	10,349	59,618	832	4,412
Total Ephemeral	1,927	8,951	0	0	1,297	6,884	434	1,608	1,175	6,367	596	2,317	1,175	6,367	596	2,317	1,181	6,375	593	2,309	1,206	6,443	593	2,309
USACE TOTAL*	30,302	263,701	107	1,181	25,266	212,746	2,948	30,872	25,076	211,140	3,499	35,998	25,344	212,318	3,338	39,158	25,475	212,919	3,302	38,559	25,889	215,020	3,124	38,293
MDE Regulated Waterways Totals																								
Total Perennial	18,072	194,975	107	1,181	14,013	147,564	1,560	25,089	14,037	147,618	1,847	28,625	14,316	148,821	1,674	31,715	14,336	148,976	1,699	31,576	14,334	148,959	1,699	31,572
Total Intermittent	10,483	59,775	0	0	9,956	58,298	954	4,175	9,864	57,155	1,056	5,056	9,853	57,130	1,068	5,126	9,958	57,568	1,010	4,674	10,349	59,618	832	4,412
MDE TOTAL	28,555	254,750	107	1,181	23,969	205,862	2,514	29,264	23,901	204,773	2,903	33,681	24,169	205,951	2,742	36,841	24,294	206,544	2,709	36,250	24,683	208,577	2,531	35,984
Total Floodplain	210,636	1,179,654	107	1,181	103,207	778,357	103,525	778,738	108,970	775,165	110,673	773,503	110,657	766,567										

*The original USACE permit listed 30,302 LF of permanent stream impacts; however, this appears to have been a typo, as the attached detailed impact breakdown reflected the numbers above.

Resource Type	Original Permit Impacts (SF)		2021 (Previous PN) Impacts (SF)		Jan. 2023 Mod Impacts (SF)		Feb. 2024 Mod Impacts (SF)		June 2024 Mod Impacts (SF)		Current Modification Impacts (SF)	
	Permanent	Temporary	Permanent	Temporary	Permanent	Temporary	Permanent	Temporary	Permanent	Temporary	Permanent	Temporary
USACE Regulated Wetland Totals												
Total PEM	30,818	84,413	30,874	83,592	30,874	83,744	30,941	83,744	30,932	83,744	50,969	82,749
Total PSS	7,563	6,258	7,563	6,258	7,563	6,258	7,563	6,258	7,563	6,258	7,563	6,259
Total PFO	128,334	80,924	97,716	58,741	97,716	60,736	97,653	60,736	97,669	60,736	175,163	56,143
Total PFO/PEM	2,298	0	3,187	0	3,187	0	3,187	0	3,187	0	3,187	0
Total PUB	0	5,235	0	5,236	0	5,236	0	5,236	0	5,236	0	5,236
USACE TOTAL	169,013	176,830	139,340	153,827	139,340	155,974	139,344	155,974	139,351	155,974	236,882	150,387
MDE Regulated Wetland Totals												
Total PEM	31,038	84,413	31,094	83,592	31,094	83,744	31,161	83,744	31,152	83,744	51,189	82,749
Total PSS	7,563	6,258	7,733	6,258	7,733	6,258	7,733	6,258	7,733	6,258	7,733	6,259
Total PFO	133,779	80,924	99,733	58,741	99,733	60,736	99,670	60,736	99,686	60,736	177,180	56,143
Total PFO/PEM	2,298	0	3,187	0	3,187	0	3,187	0	3,187	0	3,187	0
Total PUB*	0	5,235	0	5,236	0	5,236	0	5,236	0	5,236	0	5,236
MDE TOTAL	174,678	176,830	141,747	153,827	141,747	155,974	141,751	155,974	141,758	155,974	239,289	150,387
Total Wetland Buffer	491,125	235,373	387,739	192,652	387,739	192,925	388,350	192,925	388,271	192,925	416,602	192,270

*MDE does not regulate PUB as a separate category of wetland; PUB impacts are listed as PEM impacts in the permits. Additionally, the PUB impacts were left out of the original permit. However, this appears to have been an oversight, as the attached detailed impact breakdown included the number above.

**I-95 ETL Northbound Extension Phase II
Required Mitigation - June 2024**

Stream Impacts Requiring Mitigation			Mitigation Ratio	Required Mitigation		Original Permit Required Mitigation		Change in Mitigation	
Flow	(LF)	(SF)		(LF)	(SF)	(LF)	(SF)	(LF)	(SF)
USACE									
Perennial	4,085	50,439	1:1	4,085	50,439	6,058	92,193	-1,973	-41,754
Intermittent	5,658	35,643	1:1	5,658	35,643	7,155	44,342	-1,497	-8,699
Ephemeral	0	0	1:1	0	0	0	0	0	0
USACE TOTAL	9,743	86,082	N/A	9,743	86,082	13,213	136,535	-3,470	-50,453
MDE									
Perennial	4,085	50,439	1:1	4,085	50,439	6,058	92,193	-1,973	-41,754
Intermittent	5,658	35,643	1:1	5,658	35,643	7,155	44,342	-1,497	-8,699
MDE TOTAL	9,743	86,082	N/A	9,743	86,082	13,213	136,535	-3,470	-50,453

Wetland Impacts Requiring Mitigation (SF)			Mitigation Ratio	Required Mitigation		Original Permit Required Mitigation		Change in Mitigation	
Cover Type	(SF)	(AC)		(SF)	(AC)	(SF)	(AC)	(SF)	(AC)
USACE									
PEM	50,969	1.17	1:1	50,969	1.17	30,818	0.71	20,151	0.46
PSS	7,563	0.17	2:1	15,126	0.35	15,126	0.35	0	0.00
PFO	175,163	4.02	2:1	350,326	8.04	256,668	5.89	93,658	2.15
PFO/PEM	3,187	0.07	2:1	6,374	0.15	4,596	0.11	1,778	0.04
PUB	0	0.00	1:1	0	0.00	0	0.00	0	0.00
USACE TOTAL	236,882	5.44	N/A	422,795	9.71	307,208	7.05	115,587	2.65
MDE									
PEM	51,189	1.18	1:1	51,189	1.18	31,038	0.71	20,151	0.46
PSS	7,733	0.18	2:1	15,466	0.36	15,126	0.35	340	0.01
PFO	177,180	4.07	2:1	354,360	8.13	267,558	6.14	86,802	1.99
PFO/PEM	3,187	0.07	2:1	6,374	0.15	4,596	0.11	1,778	0.04
PUB	0	0.00	1:1	0	0.00	0	0.00	0	0.00
MDE TOTAL	239,289	5.49	N/A	427,389	9.81	318,318	7.31	109,071	2.50

**I-95 ETL Northbound Extension Phase II
EFH Sensitive Habitat Impacts - June 2024**

<i>Impacts to Potential EFH Sensitive Habitat*</i>						
<i>Impact Cause</i>	<i>Permanent</i>		<i>Temporary</i>		<i>Total</i>	
	<i>(LF)</i>	<i>(SF)</i>	<i>(LF)</i>	<i>(SF)</i>	<i>(LF)</i>	<i>(SF)</i>
Mitigation	5,669	60,564	28	359	5,697	60,923
Non-Mitigation	2,486	38,501	481	20,901	2,967	59,402
TOTAL	8,155	99,065	509	21,260	8,664	120,325

*Habitat with potential to support prey species of NOAA trust resources