

**I-95 ETL NB Extension, Section 200 Phase I
Wetland Impact Summary Table
February 2021**

Contract	Wetland	Classification	USACE Regulated	MDE Regulated	Mitigation Required	Total Wetland Impacts (SF)		Total Wetland Buffer Impacts (SF)	
						Permanent	Temporary	Permanent	Temporary
KH-3009 and KH-3016	BRBR-WET1	PFO	Y	Y	Y	464	0	3,778	0
KH-3009	BRBR-WET22	PEM	Y	Y	Y	6,884	0	19,471	0
KH-3009	BRBR-WET22	PSS	Y	Y	Y	966	0		
KH-3009	GPJR-WET5	PFO	Y	Y	Y	1,051	0	7,343	0
KH-3009	GPJR-WET6	PFO	Y	Y	Y	4,305	0	11,738	0
KH-3009	GPJR-WET7	PEM	Y	Y	Y	17,169	0	53,777	0
KH-3009	GPJR-WET8	PFO	Y	Y	Y	14,298	0		
KH-3009	WET 10A	PFO/PEM	Y	Y	Y	1,670	0	9,887	0
KH-3009 and KH-3015*	WET 11A	PSS	N	Y	Y	169	0	2,284	0
KH-3009	WET 104	PEM	N	Y	Y	1,595	0	12,410	0
KH-3009	WET 105	PFO	N	Y	N	0	0	1,275	0
KH-3009	WET 106	PEM	N	Y	Y	2,447	0	11,432	0
KH-3009	WET F	PEM	Y	Y	Y	365	0	4,307	0
KH-3009	WET H	PEM	Y	Y	Y	1,317	0	11,721	0
KH-3009	WP001	PFO	N	Y	Y	968	0	5,771	0
KH-3009 Onsite Mitigation	WET 103	PEM	Y	Y	N	0	10,363	0	39,674
KH-3009 Onsite Mitigation	WET 20A	PFO	Y	Y	N	0	9,904		
KH-3009 Onsite Mitigation	WET 93A	PFO	Y	Y	N	0	218		
KH-3010	WETLAND H	PFO/PEM	Y	Y	Y	2,386	0	5,628	0
KH-3010	WETLAND L	PFO	N	Y	N	0	0	875	0
KH-3010	WETLAND S	PFO	Y	Y	Y	900	0	4,946	0
KH-3010	WETLAND X	PFO	Y	Y	Y	6,039	0	8,933	0
KH-3013	BRBR-WET98	PFO	Y	Y	Y	273	0	2,823	0
KH-3013	GPJR-WET4	PFO	Y	Y	Y	39,600	0	62,299	549
KH-3013	WET95A	PFO	Y	Y	Y	1,533	0	9,625	134
KH-3013	WET96A	PFO	Y	Y	Y	628	0	3,518	0
KH-3014	WET 97A	PFO	Y	Y	Y	143	0	3,112	0
KH-3016	GPJR-WET1	PFO	Y	Y	Y	3,431	0	11,783	0
KH-3016	WET J	PFO	Y	Y	Y	3,716	0	9,515	0
KH-3016	WET K	PEM	N	Y	Y	91	0	4,565	0
KH-3016	WET K	Vernal Pool	N	Y	Y	420	0		
KH-3028 Mitigation	WETLAND WL007	PFO	Y	Y	N	0	9,038	0	2,261
Impact Totals						112,828	29,523	282,816	42,618

*Please note that the LODs of KH-3009 and KH-3015 overlap in the vicinity of WET 11A's buffer. Due to this overlap, the buffer impact listed in this table does not match the totals shown on either the KH-3009 or KH-3015 plates. The impact listed here has been calculated in a way that avoids double-counting.

Agency-Specific Impact Totals	Wetland Impacts (SF)		Buffer Impacts (SF)	
	Permanent	Temporary	Permanent	Temporary
USACE Regulated Wetland Totals				
Total PEM	25,735	10,363	N/A	N/A
Total PSS	966	0	N/A	N/A
Total PFO	76,381	19,160	N/A	N/A
Total Vernal Pool	0	0	N/A	N/A
Total PFO/PEM	4,056	0	N/A	N/A
USACE TOTAL	107,138	29,523	N/A	N/A
MDE Regulated Wetland Totals				
Total PEM	29,868	10,363	N/A	N/A
Total PSS	1,135	0	N/A	N/A
Total PFO	77,349	19,160	N/A	N/A
Total Vernal Pool	420	0	N/A	N/A
Total PFO/PEM	4,056	0	N/A	N/A
Total Wetland Buffer	N/A	N/A	282,816	42,618
MDE TOTAL	112,828	29,523	282,816	42,618

**I-95 ETL NB Extension, Section 200 Phase I
Waterway Impact Summary Table
February 2021**

Contract	Waterway	Classification	USACE Regulated	MDE Regulated	Mitigation Required	Total Waterway Impacts				Total Floodplain Impacts (SF)	
						Permanent		Temporary		Permanent	Temporary
						LF	SF	LF	SF		
KH-3009 and KH-3014	Floodplain	N/A	N	Y	N	-	-	-	-	154,459	18,291
KH-3009	BRBR-WUS1	Perennial	Y	Y	Y	44	429	0	0	-	-
KH-3009	BRBR-WUS8	Perennial	Y	Y	Y	38	309	0	0	-	-
KH-3009	GPJR-WUS1	Intermittent	Y	Y	Y	924	7,988	0	0	-	-
KH-3009 and KH-3016*	GPJR-WUS1A	Intermittent	Y	Y	Y	76	700	0	0	-	-
KH-3009 and KH-3016*	GPJR-WUS1B	Intermittent	Y	Y	Y	136	688	0	0	-	-
KH-3009	GPJR-WUS2A	Ephemeral	Y	N	N	127	790	0	0	-	-
KH-3009	GPJR-WUS2B	Intermittent	Y	Y	Y	26	109	0	0	-	-
KH-3009	WUS 2A	Perennial	Y	Y	N	0	0	0	0	-	-
KH-3009	WUS 6A (Big Gunpowder Pier Removal)	Perennial	Y	Y	N	32	1,195	0	0	-	-
KH-3009	WUS 6A (Big Gunpowder)	Perennial	Y	Y	Y	146	585	47	8,327	-	-
KH-3009	WUS 7A	Ephemeral	Y	N	Y	49	294	0	0	-	-
KH-3009	WUS 8A	Ephemeral	Y	N	N	14	14	37	93	-	-
KH-3009	WUS 9A	Perennial	Y	Y	Y	30	160	0	0	-	-
KH-3009	WUS 12A	Perennial	Y	Y	Y	55	283	0	0	-	-
KH-3009	WUS 13A	Intermittent	Y	Y	Y	150	702	0	0	-	-
KH-3009	WUS 14A	Perennial	Y	Y	Y	43	573	4	83	-	-
KH-3009	WUS 15A	Ephemeral	Y	N	N	65	210	0	0	-	-
KH-3009	WUS 16A (Little Gunpowder)	Perennial	Y	Y	Y	187	2,027	41	2,589	-	-
KH-3009	WUS 18A	Intermittent	Y	Y	Y	313	1,267	0	0	-	-
KH-3009	WUS 18A	Perennial	Y	Y	Y	450	3,012	0	0	-	-
KH-3009	WUS 19A	Ephemeral	Y	N	Y	265	850	0	0	-	-
KH-3009	WUS 20A	Perennial	Y	Y	Y	26	32	0	0	-	-
KH-3009	WUS 21A	Ephemeral	Y	N	N	110	417	0	0	-	-
KH-3009	WUS 103	Intermittent	N	Y	Y	56	143	0	0	-	-
KH-3009	WUS 103 Culverted	Intermittent	N	Y	N	91	299	0	0	-	-
KH-3009	WUS 104	Intermittent	Y	Y	Y	40	215	0	0	-	-
KH-3009	WUS B	Ephemeral	Y	N	N	751	739	0	0	-	-
KH-3009	WUS C	Ephemeral	Y	N	N	292	652	0	0	-	-
KH-3009	WUS D	Ephemeral	Y	N	N	205	701	0	0	-	-
KH-3009	WUS E	Ephemeral	Y	N	N	80	60	0	0	-	-
KH-3009	WUS F	Ephemeral	Y	N	N	47	59	0	0	-	-
KH-3009	WUS K	Ephemeral	Y	N	N	366	631	0	0	-	-
KH-3009	WUS M	Ephemeral	Y	N	N	846	2,881	0	0	-	-
KH-3009 and KH-3016*	WUS O	Intermittent	Y	Y	Y	66	213	0	0	-	-
KH-3009 and KH-3016*	WUS P	Ephemeral	Y	N	N	492	2,853	0	0	-	-
KH-3009 and KH-3016*	WUS P	Intermittent	Y	Y	Y	114	700	0	0	-	-
KH-3009 Onsite Mitigation	WUS 18A	Perennial	Y	Y	N	690	8,494	8	58	-	-
KH-3010	Floodplain	N/A	N	Y	N	-	-	-	-	38,803	588
KH-3010	WATERS E	Intermittent	Y	Y	Y	53	339	42	263	-	-
KH-3010	WATERS F	Perennial	Y	Y	Y	0	0	157	469	-	-
KH-3010	WATERS G	Perennial	Y	Y	Y	51	355	21	170	-	-
KH-3010	WATERS I	Intermittent	Y	Y	Y	111	423	0	0	-	-
KH-3010	WATERS J	Perennial	Y	Y	Y	53	183	22	96	-	-
KH-3010	WATERS K	Intermittent	Y	Y	Y	42	402	16	82	-	-
KH-3010	WATERS M	Perennial	Y	Y	Y	72	592	39	297	-	-
KH-3010	WATERS N	Intermittent	Y	Y	Y	48	280	25	174	-	-
KH-3010	WATERS V Relocation	Intermittent	Y	Y	N	850	4,388	34	146	-	-
KH-3010	WATERS V	Intermittent	Y	Y	Y	17	64	293	2,320	-	-
KH-3013	BRBR-WUS9	Perennial	Y	Y	Y	47	236	12	35	-	-
KH-3013	BRBR-WUS98	Perennial	Y	Y	Y	8	25	5	15	-	-
KH-3013	BRBR-WUS99	Intermittent	Y	Y	Y	146	773	96	503	-	-
KH-3013	BRBR-WUS99	Perennial	Y	Y	Y	28	118	0	0	-	-
KH-3013	GPJR-WUS1	Perennial	Y	Y	Y	0	0	3	21	-	-
KH-3013	GPJR-WUS4	Perennial	Y	Y	Y	27	19	46	34	-	-
KH-3014	WUS 44A	Ephemeral	Y	N	N	52	282	0	0	-	-
KH-3015	WUS Y	Ephemeral	Y	N	N	105	355	47	163	-	-
KH-3016	GPJR-WUS3	Intermittent	Y	Y	Y	76	624	12	99	-	-
KH-3016	GPJR-WUS10B	Intermittent	Y	Y	Y	15	68	5	30	-	-
KH-3028 Mitigation	Floodplain	N/A	N	Y	N	-	-	-	-	0	15,774
KH-3028 Mitigation	WUS WL001 (Car)	Perennial	Y	Y	N	78	1,114	316	10,571	-	-
KH-3028 Mitigation	WUS WL002 (Car)	Ephemeral	Y	N	N	14	118	0	0	-	-
KH-3028 Mitigation	WUS WL003 (Car)	Intermittent	Y	Y	N	868	6,131	73	448	-	-
KH-3028 Mitigation	WUS WL004	Ephemeral	Y	N	N	153	1,342	0	0	-	-
Impact Totals						10,356	59,505	1,401	27,086	193,262	34,653

*Please note that the LODs of KH-3009 and KH-3016 overlap in the vicinity of resources WUS P INT, WUS P EPH, GPJR-WUS1A, GPJR-WUS1B, and WUS O. Due to this overlap, the impacts listed in this table may not exactly match the totals shown on the KH-3009 or KH-3016 plates. The impacts listed here have been calculated in a way that avoids double-counting.

Agency-Specific Impact Totals	Waterway Impacts				Floodplain Impacts (SF)	
	Permanent		Temporary		Permanent	Temporary
	LF	SF	LF	SF		
USACE Regulated Waterways Totals						
Total Perennial	2,105	19,741	721	22,765	N/A	N/A
Total Intermittent	4,071	26,074	596	4,065	N/A	N/A
Total Ephemeral	4,033	13,248	84	256	N/A	N/A
USACE TOTAL	10,209	59,063	1,401	27,086	N/A	N/A
MDE Regulated Wetland Totals						
Total Perennial	2,105	19,741	721	22,765	N/A	N/A
Total Intermittent	4,218	26,516	596	4,065	N/A	N/A
Total Floodplain	N/A	N/A	N/A	N/A	193,262	34,653
MDE TOTAL	6,323	46,257	1,317	26,830	193,262	34,653

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Mitigation Need Table

February 2021

Wetland Impacts Requiring Mitigation (SF)			Mitigation Ratio	Required Mitigation	
Cover Type	(SF)	(AC)		(SF)	(AC)
USACE					
PEM	25,735	0.59	1:1	25,735	0.59
PSS	966	0.02	2:1	1,932	0.04
PFO	76,381	1.75	2:1	152,762	3.51
Vernal Pool	0	0.00	3:1	0	0.00
PFO/PEM	4,056	0.09	2:1	8,112	0.19
USACE TOTAL	107,138	2.46	N/A	188,541	4.33
MDE					
PEM	29,868	0.69	1:1	29,868	0.69
PSS	1,135	0.03	2:1	2,270	0.05
PFO	77,349	1.78	2:1	154,698	3.55
Vernal Pool	420	0.01	3:1	1,260	0.03
PFO/PEM	4,056	0.09	2:1	8,112	0.19
MDE TOTAL	112,828	2.59	N/A	196,208	4.50
Stream Impacts Requiring Mitigation			Mitigation Ratio	Required Mitigation	
Flow	(LF)			(LF)	
USACE					
Perennial	1,305		1:1	1,305	
Intermittent	2,353		1:1	2,353	
Ephemeral	314		1:1	314	
USACE TOTAL	3,972		N/A	3,972	
MDE					
Perennial	1,305		1:1	1,305	
Intermittent	2,409		1:1	2,409	
MDE TOTAL	3,714		N/A	3,714	