

**PERMANENT NONTIDAL AND TIDAL WETLAND IMPACTS**

Plate No.	Nontidal PFO Wetland		Nontidal PSS Wetland		Nontidal PEM Wetland		Nontidal Open Water (Isolated)		Nontidal PFO Wetland (Isolated)		Nontidal PEM Wetland (Isolated)		Tidal PSS Wetland		Wetland buffer		City
	SF	AC	SF	AC	SF	AC	SF	AC	SF	AC	SF	AC	SF	AC	SF	AC	
1	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	Havre de Grace
2	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	Havre de Grace
3	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	Havre de Grace
4	0	0.000	0	0.000	1,506	0.035	0	0.000	0	0.000	0	0.000	0	0.000	10,273	0.236	Havre de Grace
5	0	0.000	0	0.000	6,203	0.142	0	0.000	0	0.000	0	0.000	0	0.000	23,897	0.549	Havre de Grace
6	0	0.000	0	0.000	2,326	0.053	0	0.000	0	0.000	0	0.000	0	0.000	16,941	0.389	Havre de Grace
7	0	0.000	0	0.000	693	0.016	0	0.000	6,333	0.145	0	0.000	0	0.000	17,590	0.404	Havre de Grace
8	0	0.000	0	0.000	120	0.003	0	0.000	0	0.000	0	0.000	0	0.000	1,848	0.042	Havre de Grace
9	10,122	0.232	0	0.000	7,449	0.171	0	0.000	0	0.000	0	0.000	0	0.000	38,830	0.891	Havre de Grace
10	10,852	0.249	0	0.000	0	0.000	205	0.005	2,286	0.052	2,488	0.057	0	0.000	51,404	1.180	Havre de Grace
11	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	2,358	0.054	Havre de Grace
12	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	Havre de Grace
<b>SUBTOTAL</b>	<b>20,974</b>	<b>0.481</b>	<b>0</b>	<b>0.000</b>	<b>18,297</b>	<b>0.420</b>	<b>205</b>	<b>0.005</b>	<b>8,619</b>	<b>0.198</b>	<b>2,488</b>	<b>0.057</b>	<b>0</b>	<b>0.000</b>	<b>163,141</b>	<b>3.745</b>	<b>HAVRE DE GRACE</b>
13	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	N/A
14	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	N/A
15	8,587	0.197	10,944	0.251	22	0.001	0	0.000	0	0.000	0	0.000	852	0.020	9,526	0.219	Perryville
16	209	0.005	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	2,193	0.050	Perryville
17	512	0.012	0	0.000	1,638	0.038	0	0.000	0	0.000	0	0.000	0	0.000	8,246	0.189	Perryville
18	267	0.006	0	0.000	40,045	0.919	0	0.000	0	0.000	0	0.000	0	0.000	38,169	0.876	Perryville
19	1,151	0.026	0	0.000	2,856	0.066	0	0.000	0	0.000	0	0.000	0	0.000	15,136	0.347	Perryville
20	0	0.000	0	0.000	92	0.002	0	0.000	0	0.000	0	0.000	0	0.000	309	0.007	Perryville
21	6,178	0.142	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	15,136	0.347	Perryville
22	3,118	0.072	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	30,648	0.704	Perryville
23	380	0.009	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	5,029	0.115	Perryville
24	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	Perryville
25	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	Perryville
26	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	Perryville
27	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	Perryville
28	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	Perryville
29	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	Perryville
30	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	Perryville
<b>SUBTOTAL</b>	<b>20,402</b>	<b>0.468</b>	<b>10,944</b>	<b>0.251</b>	<b>44,653</b>	<b>1.025</b>	<b>0</b>	<b>0.000</b>	<b>0</b>	<b>0.000</b>	<b>0</b>	<b>0.000</b>	<b>852</b>	<b>0.020</b>	<b>124,392</b>	<b>2.856</b>	<b>PERRYVILLE</b>
<b>TOTAL</b>	<b>41,376</b>	<b>0.95</b>	<b>10,944</b>	<b>0.25</b>	<b>62,950</b>	<b>1.45</b>	<b>205</b>	<b>0.01</b>	<b>8,619</b>	<b>0.20</b>	<b>2,488</b>	<b>0.06</b>	<b>852</b>	<b>0.02</b>	<b>287,533</b>	<b>6.60</b>	

NOTE: THERE ARE NO TEMPORARY WETLAND IMPACTS

**NONTIDAL WATERS OF THE US**

Plate No.	Permanent Nontidal Perennial Stream		Permanent Nontidal Intermittent Stream		Permanent Nontidal Ephemeral Stream		Temporary Nontidal Perennial Stream		Temporary Nontidal Intermittent Stream		Permanent 100 year Floodplain (nontidal)		City
	LF	SF	LF	SF	LF	SF	LF	SF	LF	SF	SF	AC	
1	0	0	0	0	0	0	0	0	277	622	12,043	0.276	Havre de Grace
2	0	0	0	0	0	0	0	0	0	0	91,376	2.098	Havre de Grace
3	0	0	0	0	0	0	0	0	0	0	0	0.000	Havre de Grace
4	0	0	0	0	0	0	639	3,307	312	685	0	0.000	Havre de Grace
5	0	0	32	85	63	171	783	2,385	252	499	0	0.000	Havre de Grace
6	604	2,711	0	0	0	0	34	90	0	0	99,865	2.293	Havre de Grace
7	591	2,334	0	0	0	0	83	481	0	0	45,802	1.051	Havre de Grace
8	0	0	546	4,477	0	0	0	0	0	0	0	0.000	Havre de Grace
9	733	3,324	585	2,429	0	0	91	865	60	357	0	0.000	Havre de Grace
10	412	2,309	134	595	0	0	103	590	38	128	0	0.000	Havre de Grace
11	200	3,462	0	0	0	0	90	1,507	0	0	37,245	0.855	Havre de Grace
12	0	0	0	0	0	0	0	0	0	0	0	0.000	Havre de Grace
<b>SUBTOTAL</b>	<b>2,540</b>	<b>14,140</b>	<b>1,297</b>	<b>7,586</b>	<b>63</b>	<b>171</b>	<b>1,823</b>	<b>9,225</b>	<b>939</b>	<b>2,291</b>	<b>286,331</b>	<b>6.573</b>	<b>HAVRE DE GRACE</b>
12	0	0	0	0	0	0	0	0	0	0	0	0.000	N/A
13	0	0	0	0	0	0	0	0	0	0	0	0.000	N/A
14	0	0	0	0	0	0	0	0	0	0	0	0.000	N/A
15	56	972	0	0	0	0	100	230	0	0	0	0.000	Perryville
16	301	1,673	0	0	0	0	0	0	0	0	0	0.000	Perryville
17	0	0	146	354	0	0	329	1,588	0	0	0	0.000	Perryville
18	0	0	0	0	0	0	0	0	0	0	0	0.000	Perryville
19	46	1,809	0	0	0	0	0	0	0	0	15,559	0.357	Perryville
20	1,213	12,328	0	0	28	94	89	612	0	0	23,042	0.529	Perryville
21	0	0	447	1,462	0	0	1,036	6,274	418	2,302	0	0.000	Perryville
22	0	0	0	0	0	0	0	0	1,799	10,403	0	0.000	Perryville
23	0	0	0	0	0	0	0	0	1,274	9,146	0	0.000	Perryville
24	0	0	0	0	0	0	0	0	900	4,647	0	0.000	Perryville
25	0	0	0	0	0	0	0	0	900	4,263	0	0.000	Perryville
26	0	0	0	0	0	0	0	0	884	3,500	0	0.000	Perryville
<b>SUBTOTAL</b>	<b>1,616</b>	<b>16,782</b>	<b>593</b>	<b>1,816</b>	<b>28</b>	<b>94</b>	<b>1,554</b>	<b>8,704</b>	<b>6,175</b>	<b>34,261</b>	<b>38,601</b>	<b>0.886</b>	<b>PERRYVILLE</b>
<b>TOTAL</b>	<b>4,156</b>	<b>30,922</b>	<b>1,890</b>	<b>9,402</b>	<b>91</b>	<b>265</b>	<b>3,377</b>	<b>17,929</b>	<b>7,114</b>	<b>36,552</b>	<b>324,932</b>	<b>7.46</b>	

6,137

**TIDAL WATERS OF THE US**

Plate No.	Tidal waters (perm proposed piers)		Tidal Waters (temp trestle piers and moorings)		SAV (prop piers and trestle footprint)	
	SF	AC	SF	AC	SF	AC
1	0	0	0	0	0	0
2	0	0	0	0	0	0
3	0	0	0	0	0	0
4	0	0	0	0	0	0
5	0	0	0	0	0	0
6	0	0	0	0	0	0
7	0	0	0	0	0	0
8	0	0	0	0	0	0
9	0	0	0	0	0	0
10	0	0	0	0	0	0
11	0	0	0	0	0	0
12&12a	1,256	0.029	4,533	0.104	10777	0.247
13	1,432	0.033	3,534	0.081	0	0
14&14A	2,123	0.049	5,891	0.135	0	0
15	515	0.012	1,357	0.031	57,580	1.322
16	0	0	0	0	0	0
17	0	0	0	0	0	0
18	0	0	0	0	0	0
19	0	0	0	0	0	0
20	0	0	0	0	0	0
21	0	0	0	0	0	0
22	0	0	0	0	0	0
23	0	0	0	0	0	0
24	0	0	0	0	0	0
25	0	0	0	0	0	0
26	0	0	0	0	0	0
<b>TOTAL</b>	<b>5,325</b>	<b>0.12</b>	<b>15,316</b>	<b>0.35</b>	<b>68,357</b>	<b>1.57</b>

NONTIDAL WETLAND IMPACT PEM (CONNECTED)					
Plate No.	WETLAND	Nearest Waterway	SF	AC	CITY
4	WL 14	WC14, UNT Gashey's Creek	1506	0.035	Havre de Grace
5	WL10	WC12, UNT Gashey's Creek	2195	0.050	Havre de Grace
5	WL14	WC14, UNT Gashey's Creek	1466	0.034	Havre de Grace
5	WL21	WC12, UNT Gashey's Creek	2542	0.058	Havre de Grace
6	WL14	WC14, UNT Gashey's Creek	2326	0.053	Havre de Grace
7	WL14	WC14, UNT Gashey's Creek	557	0.013	Havre de Grace
7	WL16	WC16, UNT Gashey's Creek	136	0.003	Havre de Grace
<b>SUBTOTAL</b>			<b>10728</b>	<b>0.246</b>	
8	WL20	WC9, UNT Lilly Run	120	0.003	Havre de Grace
9	WL7	WC10, UNT Lilly Run	7449	0.171	Havre de Grace
<b>SUBTOTAL</b>			<b>7569</b>	<b>0.174</b>	
15	WL12	Susquehanna River	22	0.001	Perryville
17	WL4	WC3, UNT to Susquehanna River	1638	0.038	Perryville
18	WL4	WC3, UNT to Susquehanna River	40045	0.919	Perryville
19	WL4	WC3, UNT to Susquehanna River	954	0.022	Perryville
<b>SUBTOTAL</b>			<b>42659</b>	<b>0.979</b>	
19	WL2	WC2, Mill Creek	1902	0.044	Perryville
20	WL2	WC2, Mill Creek	92	0.002	Perryville
<b>SUBTOTAL</b>			<b>1994</b>	<b>0.046</b>	
<b>TOTAL</b>			<b>62950</b>	<b>1.45</b>	

ND IMPACT PSS (CONNECTED)					
Plate No.	WETLAND	Nearest Waterway	SF	AC	CITY
15	WL12	Susquehanna River	10944	0.251	Perryville
<b>TOTAL</b>			<b>10944</b>	<b>0.25</b>	

NONTIDAL WETLAND IMPACT PFO (CONNECTED)					
Plate No.	WETLAND	Nearest Waterway	SF	AC	CITY
9	WL18	WC9, UNT Lilly Run	8277	0.190	Havre de Grace
9	WL7	WC10, UNT Lilly Run	1845	0.042	Havre de Grace
10	WL8	WC8, W9, WC10, UNT Lilly Run	2408	0.055	Havre de Grace
10	WL17	WC7, UNT Lilly Run	4143	0.095	Havre de Grace
10	WL18	WC9, UNT Lilly Run	3367	0.077	Havre de Grace
10	WL7	WC10, UNT Lilly Run	934	0.021	Havre de Grace
<b>SUBTOTAL</b>			<b>20974</b>	<b>0.481</b>	
15	WL12	Susquehanna River	8587	0.197	Perryville
<b>SUBTOTAL</b>			<b>8587</b>	<b>0.197</b>	
16	WL3	WC3, UNT to Susquehanna River	209	0.005	Perryville
17	WL3	WC3, UNT to Susquehanna River	512	0.012	Perryville
18	WL3	WC3, UNT to Susquehanna River	267	0.006	Perryville
19	WL3	WC3, UNT to Susquehanna River	1151	0.026	Perryville
21	WL1	WC1, UNT to Mill Creek	6178	0.142	Perryville
22	WL1	WC1, UNT to Mill Creek	3118	0.072	Perryville
23	WL1	WC1, UNT to Mill Creek	380	0.009	Perryville
<b>SUBTOTAL</b>			<b>11815</b>	<b>0.271</b>	
<b>TOTAL</b>			<b>41376</b>	<b>0.95</b>	

NONTIDAL WETLAND IMPACT PEM (ISOLATED)					
Plate No.	WETLAND	Nearest Waterway	SF	AC	CITY
10	WL6	N/A	2488	0.057	Havre de Grace
<b>TOTAL</b>			<b>2488</b>	<b>0.06</b>	

NONTIDAL WETLAND IMPACT PFO (ISOLATED)					
Plate No.	WETLAND	Nearest Waterway	SF	AC	CITY
7	WL9	N/A	6333	0.145	Havre de Grace
10	WL15	N/A	2286	0.052	Havre de Grace
<b>TOTAL</b>			<b>8619</b>	<b>0.20</b>	

NONTIDAL WETLAND IMPACT OPEN WATER (ISOLATED)					
Plate No.	WETLAND	Nearest Waterway	SF	AC	CITY
10	WL6	N/A	205	0.005	Havre de Grace
<b>TOTAL</b>			<b>205</b>	<b>0.01</b>	

TIDAL WETLAND IMPACT PSS					
Plate No.	WETLAND	Nearest Waterway	SF	AC	CITY
15	WL12	Susquehanna River	852	0.020	Perryville
<b>TOTAL</b>			<b>852</b>	<b>0.02</b>	

TIDAL IMPACT LIVING SHORELINE TEMPORARY					
Plate No.	WETLAND	Nearest Waterway	SF	AC	CITY
1	Low Marsh	Susquehanna River	9383	0.215	Havre de Grace
1	High Marsh	Susquehanna River	3983	0.091	Havre de Grace
1	Transition Zone	Susquehanna River	5666	0.130	Havre de Grace
1	Dry Pools	Susquehanna River	8813	0.202	Havre de Grace
<b>TOTAL</b>			<b>27845</b>	<b>0.64</b>	

TIDAL CREDIT LIVING SHORELINE EXISTING PIER					
Plate No.	WETLAND	Nearest Waterway	SF	AC	CITY
1	High Marsh	Susquehanna River	314	0.007	Havre de Grace
1	Transition Zone	Susquehanna River	246	0.006	Havre de Grace
<b>TOTAL</b>			<b>560</b>	<b>0.013</b>	

TIDAL IMPACT LIVING SHORELINE PERMANENT PIER					
Plate No.	WETLAND	Nearest Waterway	SF	AC	CITY
1	Low Marsh	Susquehanna River	157	0.004	Havre de Grace
<b>TOTAL</b>			<b>157</b>	<b>0.004</b>	

PERMANENT NONTIDAL PERENNIAL WUS IMPACT						
Plate No.	WUS	CLASSIFICATION	STREAM NAME	LF	SF	CITY
6	WC14	Perennial	UNT Gashey's Creek	604	2711	Havre de Grace
7	WC14	Perennial	UNT Gashey's Creek	473	1254	Havre de Grace
<b>SUBTOTAL</b>				1077	3965	
7	WC11	Perennial	Lewis Run	118	1080	Havre de Grace
<b>SUBTOTAL</b>				118	1080	
9	WC9	Perennial	UNT Lilly Run	683	3168	Havre de Grace
9	WC19	Perennial	UNT Lilly Run	50	156	Havre de Grace
10	WC7	Perennial	UNT Lilly Run	95	601	Havre de Grace
10	WC9	Perennial	UNT Lilly Run	317	1708	Havre de Grace
11	WC6	Perennial	UNT Lilly Run	200	3462	Havre de Grace
<b>SUBTOTAL</b>				1345	9095	
15	WC3	Perennial	UNT to Susquehanna River	56	972	Perryville
16	WC3	Perennial	UNT to Susquehanna River	301	1673	Perryville
<b>SUBTOTAL</b>				357	2645	
19	WC2	Perennial	UNT Mill Creek	46	1809	Perryville
20	WC2	Perennial	UNT Mill Creek	105	3135	Perryville
20	WC1	Perennial	UNT to Mill Creek	495	3449	Perryville
20	WC21	Perennial	UNT to Mill Creek	613	5744	Perryville
<b>SUBTOTAL</b>				1259	14137	
<b>TOTAL</b>				4156	30922	

PERMANENT NONTIDAL INTERMITTENT WUS IMPACT						
Plate No.	WUS	CLASSIFICATION	STREAM NAME	LF	SF	CITY
5	WC15	Intermittent	UNT Gashey's Creek	12	25	Havre de Grace
<b>SUBTOTAL</b>				12	25	
5	WC20	Intermittent	UNT Lilly Run	20	60	Havre de Grace
8	WC9	Intermittent	UNT Lilly Run	546	4477	Havre de Grace
9	WC9	Intermittent	UNT Lilly Run	206	1292	Havre de Grace
9	WC10	Intermittent	UNT Lilly Run	379	1137	Havre de Grace
10	WC10	Intermittent	UNT Lilly Run	50	152	Havre de Grace
10	WC7	Intermittent	UNT Lilly Run	70	399	Havre de Grace
10	WC8	Intermittent	UNT Lilly Run	14	44	Havre de Grace
<b>SUBTOTAL</b>				1285	7561	
17	WC4	Intermittent	UNT to Susquehanna River	8	20	Perryville
17	WC5C	Intermittent	UNT to Susquehanna River	44	113	Perryville
17	WC5	Intermittent	UNT to Susquehanna River	94	221	Perryville
<b>SUBTOTAL</b>				146	354	
21	WC23	Intermittent	UNT to Mill Creek	55	198	Perryville
21	WC24	Intermittent	UNT to Mill Creek	392	1264	Perryville
<b>SUBTOTAL</b>				447	1462	
<b>TOTAL</b>				1890	9402	

PERMANENT NONTIDAL EPHEMERAL WUS IMPACT						
Plate No.	WUS	CLASSIFICATION	STREAM NAME	LF	SF	CITY
5	WC20	Ephemeral	UNT Gashey's Creek	63	171	Havre de Grace
<b>SUBTOTAL</b>				63	171	
20	WC22	Ephemeral	UNT to Mill Creek	28	94	Perryville
<b>SUBTOTAL</b>				28	94	
<b>TOTAL</b>				91	265	

TEMPORARY NONTIDAL PERENNIAL WUS IMPACT						
Plate No.	WUS	CLASSIFICATION	STREAM NAME	LF	SF	CITY
4	WC12	Perennial	UNT Gashey's Creek	500	2857	Havre de Grace
4	WC14	Perennial	UNT Gashey's Creek	139	450	Havre de Grace
5	WC12	Perennial	UNT Gashey's Creek	199	393	Havre de Grace
5	WC14	Perennial	UNT Gashey's Creek	418	1434	Havre de Grace
5	WC14C	Perennial	UNT Gashey's Creek	166	558	Havre de Grace
6	WC16	Perennial	UNT Gashey's Creek	13	37	Havre de Grace
6	WC16C	Perennial	UNT Gashey's Creek	21	53	Havre de Grace
<b>SUBTOTAL</b>				1456	5782	
7	WC11C	Perennial	Lewis Run	83	481	Havre de Grace
<b>SUBTOTAL</b>				83	481	
9	WC9C1	Perennial	UNT Lilly Run	91	865	Havre de Grace
10	WC9C	Perennial	UNT Lilly Run	42	234	Havre de Grace
10	WC7C1	Perennial	UNT Lilly Run	61	356	Havre de Grace
11	WC6C	Perennial	Lily Run	90	1507	Havre de Grace
<b>SUBTOTAL</b>				284	2962	
15	WC3C	Perennial	UNT to Susquehanna River	100	230	Perryville
17	WC3	Perennial	UNT to Susquehanna River	329	1588	Perryville
<b>SUBTOTAL</b>				429	1818	
20	WC21	Perennial	UNT to Mill Creek	89	612	Perryville
21	WC1	Perennial	UNT to Mill Creek	448	1974	Perryville
21	WC21	Perennial	UNT to Mill Creek	588	4300	Perryville
<b>SUBTOTAL</b>				1125	6886	
<b>TOTAL</b>				3377	17929	

TEMPORARY NONTIDAL INTERMITTENT WUS IMPACT						
Plate No.	WUS	CLASSIFICATION	STREAM NAME	LF	SF	CITY
1	WC18	Intermittent	UNT Gashey's Creek	277	622	Havre de Grace
4	WC14	Intermittent	UNT Gashey's Creek	312	685	Havre de Grace
5	WC12	Intermittent	UNT Gashey's Creek	136	270	Havre de Grace
5	WC12C	Intermittent	UNT Gashey's Creek	116	229	Havre de Grace
<b>SUBTOTAL</b>				841	1806	
9	WC9C2	Intermittent	UNT Lilly Run	60	357	Havre de Grace
10	WC7C2	Intermittent	UNT Lilly Run	38	128	Havre de Grace
<b>SUBTOTAL</b>				98	485	
21	WC21	Intermittent	UNT to Mill Creek	314	1860	Perryville
21	WC1	Intermittent	UNT to Mill Creek	104	442	Perryville
22	WC1	Intermittent	UNT to Mill Creek	900	4939	Perryville
22	WC21	Intermittent	UNT to Mill Creek	899	5464	Perryville
23	WC1	Intermittent	UNT to Mill Creek	373	2412	Perryville
23	WC21	Intermittent	UNT to Mill Creek	901	6734	Perryville
24	WC21	Intermittent	UNT to Mill Creek	900	4647	Perryville
25	WC21	Intermittent	UNT to Mill Creek	900	4263	Perryville
26	WC21	Intermittent	UNT to Mill Creek	884	3500	Perryville
<b>SUBTOTAL</b>				6175	34261	
<b>TOTAL</b>				7114	36552	

**WUS IMPACTS NOT REQUIRING MITIGATION**

<b>Plate No.</b>	<b>WUS</b>	<b>EX PIPE - NO IMPACT</b>	<b>PIPE REPLACEMENT- TEMPORARY</b>
		<b>LF</b>	<b>LF</b>
1	WC18C	33	
2	WC13C	73	
3	WC12C	20	
4	WC12/14C	85	
6	WC16C		21
7	WC11C		83
9	WC9C1		60
9	WC9C2		91
10	WC7C1		61
10	WC7C2		38
10	WC9C		42
11	WC6C		90
15	WC3C		100
16	WC3C	629	
19/20	WC2C	60	
20	WC21C	158	
21	WC1C	88	
<b>TOTAL</b>		<b>1146</b>	<b>586</b>

Existing Piers Impacts Summary Table				
Plate No.	Pier No	Tidal Waters		Location
		SF	AC	
15	1	0.00	0.000	Land
15	2	2560.00	0.059	River
15	3	2560.00	0.059	River
14	4	1456.00	0.033	River
14	5	1456.00	0.033	River
14	6	1456.00	0.033	River
14	7	1456.00	0.033	River
13	8	1456.00	0.033	River
13	9	1416.00	0.033	River
13	10	1750.00	0.040	River
13	11	1416.00	0.033	River
13	12	1456.00	0.033	River
12	13	1018.50	0.023	River
12	14	1018.50	0.023	River
12	15	1018.50	0.023	River
12	16	807.80	0.019	River
12	17	0.00	0.000	Land
<b>TOTAL</b>		<b>22301</b>	<b>0.51</b>	

Proposed Piers Permanent Impact Summary Table							
Plate No.	Pier No	Tidal Water		SAV		Location	Notes
		SF	AC	SF	AC		
15	1E	0.00	0.000	0.00	0.000	Land	
15	1W	0.00	0.000	0.00	0.000	Land	
15	2E	0.00	0.000	0.00	0.000	Land	
15	2W	0.00	0.000	0.00	0.000	Land	included in the nontidal wetland and buffer impacts
15	3E	0.00	0.000	78.5	0.002	SAV	(1) 10' diameter round pier - 78.5 SF each
15	3W	0.00	0.000	2279.00	0.052	SAV	(2) 10' diameter round pier - 78.5 SF each
15	4E	0.00	0.000	157.00	0.004	SAV	(2) 10' diameter round pier - 78.5 SF each
15	4W	0.00	0.000	6387.00	0.147	SAV	(2) 10' diameter round pier - 78.5 SF each
15	5E	157.00	0.004	0.00	0.000	River	(2) 10' diameter round pier - 78.5 SF each
15	5W	157.00	0.004	0.00	0.000	River	(2) 10' diameter round pier - 78.5 SF each
15/14	6E	200.96	0.005	0.00	0.000	River	(4) 8' diameter round pier - 50.24 SF each
15/14	6W	200.96	0.005	0.00	0.000	River	(4) 8' diameter round pier - 50.24 SF each
14	7E	200.96	0.005	0.00	0.000	River	(4) 8' diameter round pier - 50.24 SF each
14	7W	200.96	0.005	0.00	0.000	River	(4) 8' diameter round pier - 50.24 SF each
14	8E	200.96	0.005	0.00	0.000	River	(4) 8' diameter round pier - 50.24 SF each
14	8W	200.96	0.005	0.00	0.000	River	(4) 8' diameter round pier - 50.24 SF each
14	9E	200.96	0.005	0.00	0.000	River	(4) 8' diameter round pier - 50.24 SF each
14	9W	200.96	0.005	0.00	0.000	River	(4) 8' diameter round pier - 50.24 SF each
14	10E	200.96	0.005	0.00	0.000	River	(4) 8' diameter round pier - 50.24 SF each
14	10W	200.96	0.005	0.00	0.00	River	(4) 8' diameter round pier - 50.24 SF each
14	11E	157.00	0.004	0.00	0.000	River	(2) 10' diameter round pier - 78.5 SF each
14	11W	157.00	0.004	0.00	0.000	River	(2) 10' diameter round pier - 78.5 SF each
13	12E	157.00	0.004	0.00	0.000	River	(2) 10' diameter round pier - 78.5 SF each
13	12W	157.00	0.004	0.00	0.000	River	(2) 10' diameter round pier - 78.5 SF each
13	13E	200.96	0.005	0.00	0.000	River	(4) 8' diameter round pier - 50.24 SF each
13	13W	200.96	0.005	0.00	0.000	River	(4) 8' diameter round pier - 50.24 SF each
13	14E	200.96	0.005	0.00	0.000	River	(4) 8' diameter round pier - 50.24 SF each
13	14W	200.96	0.005	0.00	0.000	River	(4) 8' diameter round pier - 50.24 SF each
13	15E	157.00	0.004	0.00	0.00	River	(2) 10' diameter round pier - 78.5 SF each
13	15W	157.00	0.004	0.00	0.000	River	(2) 10' diameter round pier - 78.5 SF each
12	16E	157.00	0.004	0.00	0.000	River	(2) 10' diameter round pier - 78.5 SF each
12	16W	157.00	0.004	0.00	0.000	River	(2) 10' diameter round pier - 78.5 SF each
12	17E	157.00	0.004	0.00	0.000	River	(2) 10' diameter round pier - 78.5 SF each
12	17W	157.00	0.004	0.00	0.000	River	(2) 10' diameter round pier - 78.5 SF each
12	18E	157.00	0.004	0.00	0.000	River	(2) 10' diameter round pier - 78.5 SF each
12	18W	157.00	0.004	0.00	0.000	River	(2) 10' diameter round pier - 78.5 SF each
12	19E	157.00	0.004	0.00	0.000	River	(2) 10' diameter round pier - 78.5 SF each
12	19W	157.00	0.004	0.00	0.00	River	(2) 10' diameter round pier - 78.5 SF each
12	20E	0.00	0.000	0.00	0.000	living shoreline	(2) 10' diameter round pier - 78.5 SF each
12	20W	0.00	0.000	2415.00	0.055	living shoreline	(2) 10' diameter round pier - 78.5 SF each
<b>TOTAL</b>		<b>5325</b>	<b>0.12</b>	<b>11317</b>	<b>0.26</b>		

Trestle Piers and Mooring Piles						
Plate No.	Temporary Tidal Waters		Permanent SAV		Location	Notes
	SF	AC	SF	AC		
12 & 12a	4533.43	0.104	8362	0.192	East, West and Pier Trestles	60" Mainline w/ (2) 60'L x 40" fingers + (4) reaction piles @ 36". Fingers standard pier fingers + arch erection trestle Impact + arch Erection bent Impact Piers 16-19 + mooring piles
13	3534.32	0.081	0	0.000	East, West and Pier Trestles	0" Mainline w/ (2) 60'L x 40" fingers + (4) reaction piles @ 36". Finger @ P13E & W 60' wide vs typ 40' b/c of Existing Fender; (9) reaction piles @ 36". Finger @ P14E & W 60' wide vs typ 40' b/c of Existing Fender; (9) reaction piles @ 36".
14 & 14A	5890.61	0.135	0	0.000	East, West and Pier Trestles	60" Mainline w/ (2) 60'L x 40" fingers + (4) reaction piles @ 36". Fingers standard pier fingers + arch erection trestle Impact + arch Erection bent Impact
15	1357.18	0.0312	48678	1.117	East, West and Pier Trestles	60" Mainline w/ (2) 60'L x 40" fingers + (4) reaction piles @ 36"
<b>TOTAL</b>	<b>15316</b>	<b>0.35</b>	<b>57040</b>	<b>1.31</b>		