

**Table 1: East Bay Regional Park District's Impacts per Activity Type  
Years 2018 - 2022**

<b>Activity</b>	<b>Temporary Impacts</b>	<b>Permanent Impacts</b>	<b>RGP Estimated Temporary Impacts*</b>	<b>RGP Estimated Permanent Impacts*</b>
<i>Installation of new culvert head- and tail-walls (Culvert Head-Tail Walls)</i>				
Year 1	0.002	0.004	0.015	0.015
Year 2	0.003	0.003	0.030	0.030
Year 3	0.000	0.000	0.045	0.045
Year 4	0.006	0.002	0.060	0.060
Year 5 (proposed)	0.01	0.003	0.075	0.075
<b>Total</b>	<b>0.021</b>	<b>0.012</b>	<b>0.075</b>	<b>0.075</b>
<i>Installation of armored or natural rock ford-stream crossings (Installation of New Armored Fords)</i>				
Year 1	0.006	0.013	0.027	0.027
Year 2	0.003	0.004	0.054	0.054
Year 3	0.001	0.006	0.081	0.081
Year 4	0.000	0.015	0.108	0.108
Year 5 (proposed)	0.011	0.046	0.135	0.135
<b>Total</b>	<b>0.021</b>	<b>0.084</b>	<b>0.135</b>	<b>0.135</b>

Activity	Temporary Impacts	Permanent Impacts	RGP Estimated Temporary Impacts*	RGP Estimated Permanent Impacts*
<b><i>Maintenance of existing ford crossing (Maintenance of Existing Armored Ford)</i></b>				
Year 1	0.003	0.000	0.010	0.000
Year 2	0.000	0.000	0.020	0.000
Year 3	0.000	0.001	0.030	0.000
Year 4	0.005	0.000	0.040	0.000
Year 5 (proposed)	0.000	0.000	0.050	0.000
<b>Total</b>	<b>0.008</b>	<b>0.001</b>	<b>0.050</b>	<b>0.000</b>

<b><i>Maintenance of existing recreational shoreline facilities (Maintenance of Shoreline Facilities)</i></b>				
Year 1	0.165	0.001	0.040	0.040
Year 2	0.000	0.000	0.080	0.080
Year 3	0.055	0.000	0.120	0.120
Year 4	0.060	0.001	0.160	0.160
Year 5 (proposed)	0.000	0.000	0.200	0.200
<b>Total</b>	<b>0.280</b>	<b>0.002</b>	<b>0.200</b>	<b>0.200</b>

<b><i>Streambank, shoreline, and levee stabilization (Bank Stabilization)</i></b>				
Year 1	0.000	0.015	0.360	0.360
Year 2	0.019	0.007	0.720	0.720
Year 3	0.000	0.050	1.080	1.080
Year 4	0.005	0.011	1.044	1.044
Year 5 (proposed)	0.461	0.048	1.800	1.800
<b>Total</b>	<b>0.485</b>	<b>0.131</b>	<b>1.800</b>	<b>1.800</b>

Activity	Temporary Impacts	Permanent Impacts	RGP Estimated Temporary Impacts*	RGP Estimated Permanent Impacts*
<b><i>Replacement and upgrade of existing culverts with installation of new head or tail walls (Upgrade Culvert)</i></b>				
Year 1	0.027	0.023	0.180	0.180
Year 2	0.049	0.016	0.360	0.360
Year 3	0.019	0.006	0.540	0.540
Year 4	0.025	0.011	0.720	0.720
Year 5 (proposed)	0.046	0.008	0.900	0.900
<b>Total</b>	<b>0.166</b>	<b>0.064</b>	<b>0.900</b>	<b>0.900</b>
<b><i>Culvert repair, replacement, and maintenance (Replacing Same Size Culvert)</i></b>				
Year 1	0.000	0.000	0.090	0.000
Year 2	0.000	0.000	0.180	0.000
Year 3	0.000	0.000	0.270	0.000
Year 4	0.002	0.000	0.360	0.000
Year 5 (proposed)	0.007	0	0.450	0.000
<b>Total</b>	<b>0.009</b>	<b>0.000</b>	<b>0.450</b>	<b>0.000</b>
<b><i>Installation of new culverts (Install New Culvert)</i></b>				
Year 1	0.000	0.000	0.054	0.061
Year 2	0.000	0.000	0.108	0.122
Year 3	0.000	0.000	0.162	0.183
Year 4	0.000	0.000	0.216	0.244
Year 5 (proposed)	0.000	0.000	0.270	0.305
<b>Total</b>	<b>0.000</b>	<b>0.000</b>	<b>0.270</b>	<b>0.345</b>

Activity	Temporary Impacts	Permanent Impacts	RGP Estimated Temporary Impacts*	RGP Estimated Permanent Impacts*
<b><i>Maintenance of sediment-debris from culverts (Clearing Culverts)</i></b>				
Year 1	0.000	0.000	0.215	0.000
Year 2	0.011	0.000	0.430	0.000
Year 3	0.008	0.000	0.645	0.000
Year 4	0.000	0.000	0.860	0.000
Year 5 (proposed)	0.027	0	1.075	0.000
<b>Total</b>	<b>0.046</b>	<b>0.000</b>	<b>1.075</b>	<b>0.000</b>

<b><i>Installation of energy dissipaters (Install Energy Dissipaters)</i></b>				
Year 1	0.000	0.000	0.200	0.200
Year 2	0.000	0.000	0.400	0.400
Year 3	0.004	0.002	0.600	0.600
Year 4	0.000	0.000	0.800	0.800
Year 5 (proposed)	0.000	0.000	0.100	0.100
<b>Total</b>	<b>0.004</b>	<b>0.002</b>	<b>0.100</b>	<b>0.100</b>

<b><i>Maintenance and installation of clear span bridges (Maintenance and Installation of Bridges)</i></b>				
Year 1	0.000	0.000	0.010	0.000
Year 2	0.005	0.000	0.020	0.000
Year 3	0.0456	0.0000	0.030	0.000
Year 4	0.000	0.000	0.040	0.000
Year 5 (proposed)	0.002	0	0.050	0.000
<b>Total</b>	<b>0.053</b>	<b>0.000</b>	<b>0.050</b>	<b>0.000</b>

Activity	Temporary Impacts	Permanent Impacts	RGP Estimated Temporary Impacts*	RGP Estimated Permanent Impacts*
<b><i>Maintenance and installation of spring boxes (Springbox Maintenance and Installation)</i></b>				
Year 1	0.000	0.000	0.008	0.050
Year 2	0.000	0.000	0.016	0.100
Year 3	0.000	0.000	0.024	0.150
Year 4	0.000	0.000	0.032	0.200
Year 5 (proposed)	0.000	0.000	0.040	0.250
<b>Total</b>	<b>0.000</b>	<b>0.000</b>	<b>0.040</b>	<b>0.250</b>
<b><i>Maintenance dredging of silt basins, ponds, lakes, and muted tidal wetlands (Maintenance Dredging of Waterbodies)</i></b>				
Year 1	0.000	0.000	0.300	0.000
Year 2	0.000	0.000	0.600	0.000
Year 3	0.1200	0.000	0.900	0.000
Year 4	0.000	0.000	1.200	0.000
Year 5 (proposed)	0.294	0.000	1.500	0.000
<b>Total</b>	<b>0.414</b>	<b>0.000</b>	<b>1.500</b>	<b>0.000</b>
<b><i>Removal of hazardous man-made structures from waterbodies (Removal of Hazardous Structures)</i></b>				
Year 1	0.000	0.000	0.000	0.000
Year 2	0.000	0.000	0.000	0.000
Year 3	0.000	0.000	0.000	0.000
Year 4	0.000	0.000	0.000	0.000
Year 5	0.000	0.000	0.000	0.000
<b>Total</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>

<b>Activity</b>	<b>Temporary Impacts</b>	<b>Permanent Impacts</b>	<b>RGP Estimated Temporary Impacts*</b>	<b>RGP Estimated Permanent Impacts*</b>
<b><i>Removal of vessels (Removal of Vessels)</i></b>				
Year 1	0.000	0.000	0.000	0.000
Year 2	0.000	0.000	0.000	0.000
Year 3	0.000	0.000	0.000	0.000
Year 4	0.000	0.000	0.000	0.000
Year 5	0.000	0.000	0.000	0.000
<b>Total</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>
<b>Total All Project Types</b>	<b>1.507</b>	<b>0.296</b>	<b>6.645</b>	<b>3.805</b>

\*The RGP only list the minimum and maximum limits for the 5-years. For tracking purposes, we divided the maximum impact by 5 to determine where impacts should be after each year

\*\* The Corps has directed the District to use the activity type names used in Table 2 of the BO. However, Table 4 from the RGP (which provides maximum allowed impacts per activity type) uses different names. Therefore, the names used in Table 4 of the RGP are provided above in parentheses