Ecosystems

All design options would fill and shade wetlands and aquatic habitat during project construction and operation. We will evaluate additional mitigation measures when a preferred alternative is identified for the project.

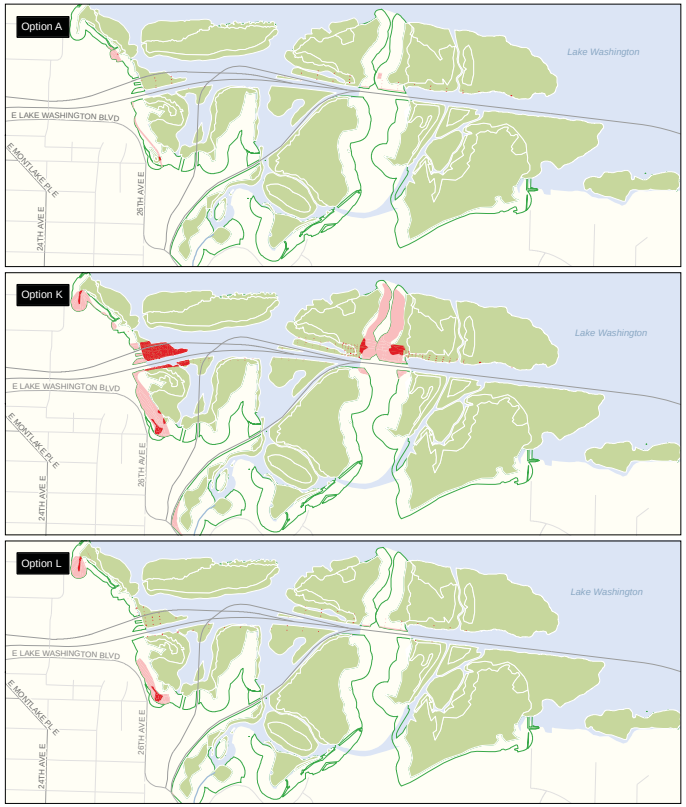
Ecosystems Effects of Options A, K, and L (acres)			
	Option A*	Option K	Option L
Permanent effects			
Wetland fill	0.2	1.8	0.3
Wetland shading	3.3	2.8	4.3
Aquatic fill	0.5	2.7	0.6
Overwater structures	51.5	48.8	52.3
Vegetation removal	11.6	19.5	10.8
Construction effects			
Wetland fill	0.7	1.1	0.5
Wetland shading	6.8	8.1	6.4
Aquatic fill	0.2	0.3	0.2
Overwater structures	11.0	11.8	10.3
Vegetation removal	12.9	14.9	14.0

*Totals for Option A include suboptions.

Wetland on Union Bay.

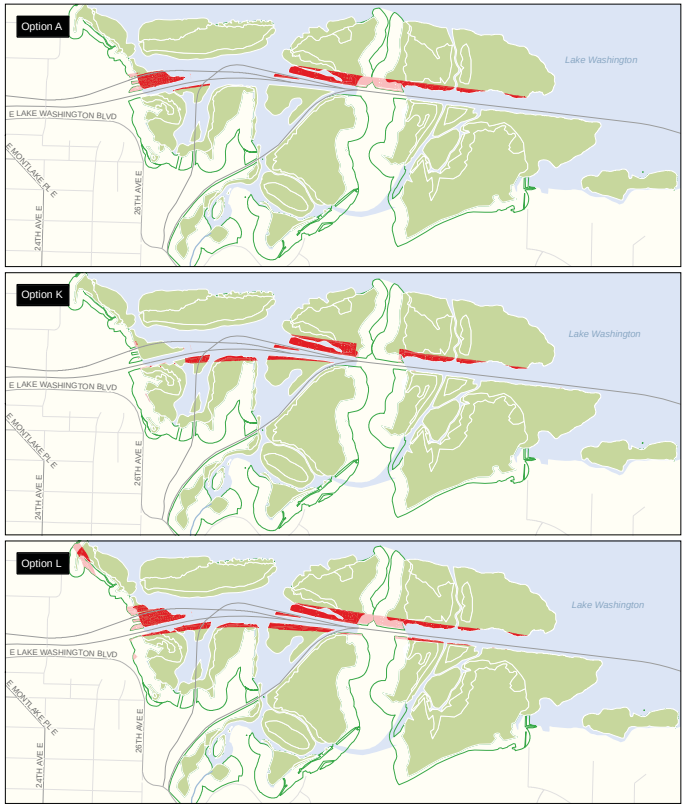
Ecosystems – Permanent effects

Exhibit 5.11-2. Permanent Fill and Clearing Effects on Wetlands and Buffers in Lake Washington



Operational Effect
Affected wetland
Affected buffer
Wetland
Wetland buffer
N
0 250 500 1,000 Feet

Exhibit 5.11-3. Permanent Shading Effects on Wetlands and Buffers in Lake Washington



Operational Effect
Affected wetland (shade)
Affected buffer (shade)
Wetland
Wetland buffer
N
0 250 500 1,000 Feet

Ecosystems – Construction effects

Exhibit 6.11-2. Construction Fill and Clearing Effects on Wetlands and Buffers in Lake Washington

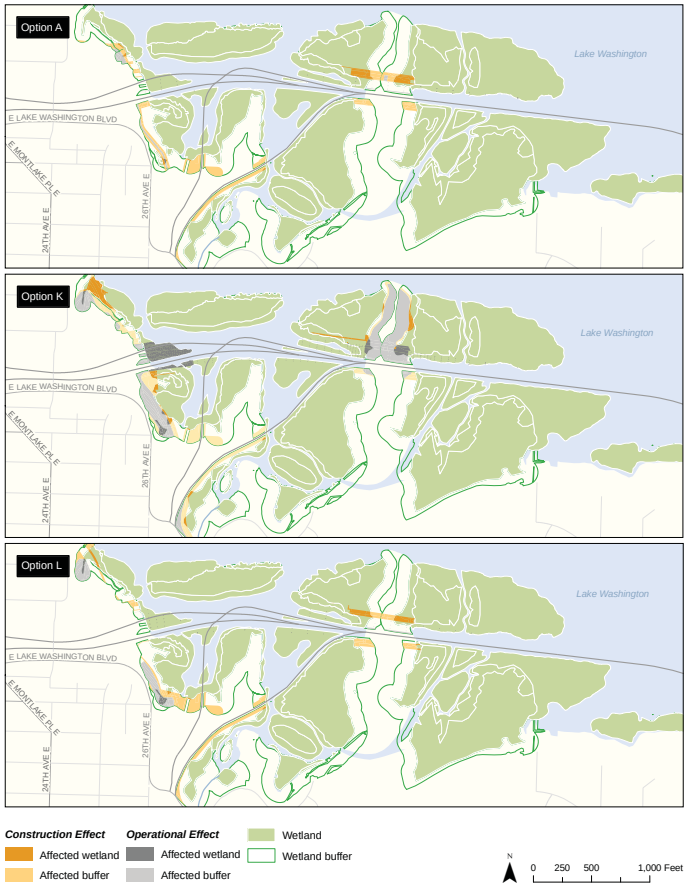
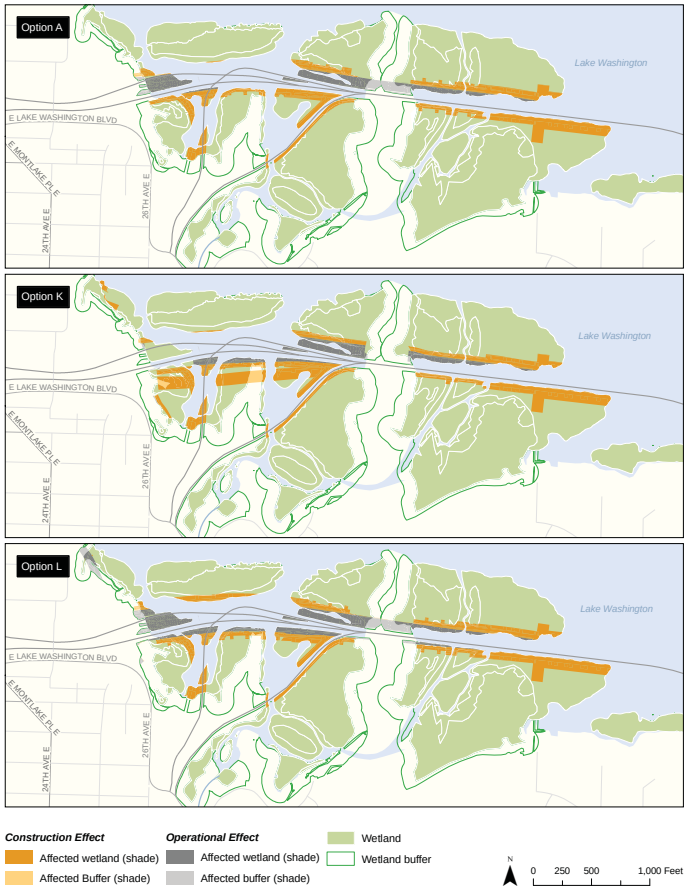



Exhibit 6.11-3. Construction Shading Effects on Wetlands and Buffers in Lake Washington