Susie O'Keeffe

UPSTREAM WATCH

This ordinance states that "the proposed development will not have an undue adverse effect on the scenic or natural beauty of the area, aesthetics, historic sites, archeological sites, significant wildlife habitat identified by the state department of inland fisheries and wildlife or the City _as rare and irreplaceable natural areas_ or any public rights for physical or visual access to the shoreline."
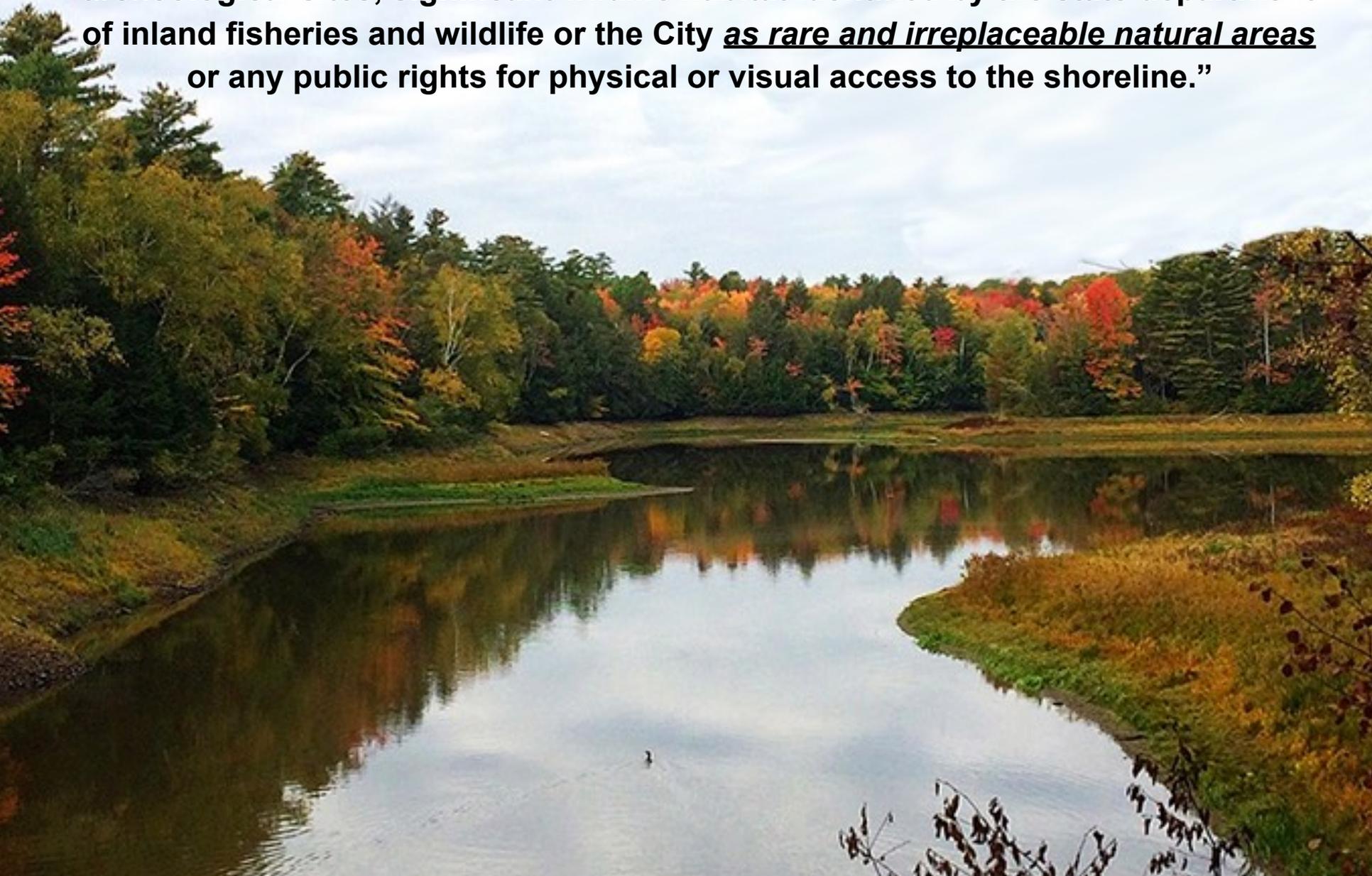
aesthetics

natural values

The ordinance states: The proposed development will not have an undue adverse effect on a <u>rare and irreplaceable natural area.</u>

Here is a summary of the physical elements that will be permanently lost based on the application:

- 35 acres of mature forest and wildlife habitat

- 10 wetlands

- 4 streams, eliminated plus some fill on stream 9

- open meadowland

- habitat connectivity

Table 1. Freshwater Wetlands Impact Table

Wetland ID	[1]Cowardin Class	[2]Temporary Impacts (SF)	Permanent Impacts (SF)	Impact Total (SF)	Impact Characterization
W1	PFO	0	115,674	115,674	Direct, Fill
W2	PFO	0	24,612	24,612	Direct, Fill
W3	PFO	0	5,057	5,057	Direct, Fill
W4	PFO	0	692	692	Direct, Fill
W5	PSS	0	18,672	18,672	Direct, Fill
W6	PFO	2,716	3,120	5,835	Direct, Fill
W13	PEM	0	556	556	Direct, Fill
W15	PEM	0	8,789	8,789	Direct, Fill
W16	PSS	1,245	0	1,245	Direct, Excavation
W19	PEM	0	13,217	13,217	Direct, Fill
Totals	PFO	2,716	149,154	151,870	
	PSS	1,245	18,672	19,917	
	PEM	0	22,562	22,562	
Grand Total	All	3,960	190,389	194,349	

1 Cowardin Class: PSS = Palustrine Scrub-Shrub; PFO = Palustrine Forested; PEM = Palustrine Emergent

2 All temporary impacts will be restored in-place.

Table 2. Coastal Wetlands Impact Table

Coastal Zone	Wetland ID	[1]Cowardin Class	Pipeline Station	[2]Temporary Impacts (SF)	Permanent Impacts (SF)	Impact Total (SF)	Impact Characterization
Intertidal	Salt Marsh (W11)	E2EM	5+00 to 5+57	2,295	0	2,295	Direct, Excavation
Intertidal	Cobble Beach (W11)	M2US	5+57 to 5+67	486	0	486	Direct, Excavation
Intertidal	Mudflat	M2US	5+67 to 13+50	78,300	0	78,300	Direct, Excavation
Subtidal	Surf Zone	M1UB	13+50 to 32+00	185,000	0	185,000	Direct, Excavation
Subtidal	Transition Zone	M1UB	32+00 to 36+00	40,000	2,994	42,994	Direct, Excavation, Fill
Subtidal	Underwater Zone 1	M1UB	36+00 to 42+00	60,000	880	60,880	Direct, Excavation, Fill
Subtidal	Underwater Zone 2	M1UB	42+00 to 68+90	269,000	2,751	271,751	Direct, Excavation, Fill
Subtidal	Underwater Zone 3	M1UB	68+90 to 69+25	3,500	78	3,578	Direct, Excavation, Fill
Totals		E2EM		2,295	0	2,295	
		M2US		78,786	0	78,786	
		M1UB		557,500	6,703	564,203	
Grand Total				638,580	6,703	645,283	

1 Cowardin Class: E2EM = Estuarine Intertidal Emergent; M2US = Marine Intertidal Unconsolidated Shore; M1UB = Marine Subtidal Unconsolidated Bottom

2 All temporary impacts will be restored in-place.

Table 3. Streams Impact Table

Stream ID	Flow Regime	[1]Temporary Impacts (LF)	Permanent Impacts (LF)	Impact Total (LF)	[1]Temporary Impacts (SF)	Permanent Impacts (SF)	Impact Total (SF)	Impact Characterization
S3	Intermittent	0	917	917	0	2,751	2,751	Direct, Fill
S5	Intermittent	0	472	472	0	2,832	2,832	Direct, Fill
S6	Intermittent	0	474	474	0	1,422	1,422	Direct, Fill
S8	Intermittent	13	0	13	65	0	65	Direct, Fill
S9	Intermittent	107	0	107	428	0	428	Direct, Excavation, Fill
Grand Total		120	1,863	1,983	493	7,005	7,498	

1 All temporary impacts will be restored in-place.

Ransom Consulting Report to Nordic Aquafarms August 2019
Freshwater Wetlands Impact
Total 194,349 SF
Coastal Wetlands Impact
Total 245,283 SF
Streams Impact Table
Total 7,498 SF

In the application they state that "turtles are not expected to use the site due to the lack of wetland habitats." There are 17 wetlands, and photographic evidence of turtles. (PHOTO TAKEN AT THE LITTLE RIVER MAY 2019)

A guide to Atlantic Salmon Federation's new map of North American Atlantic salmon rivers

PUBLISHED JUNE 13, 2019

cultural

Section 27 under the
Land Use ordinance states
that public health or welfare
must be protected, and
pollution avoided.

forest learning