

Attachment E-3
Harpswell Species of Conservation Concern
Five Town-Owned Parcels Around Town Hall
Harpswell, Maine

Normandeau Associates, Inc. has been requested to develop a list of species that are protected for conservation by the federal or state government and **may** occur on the five town-owned parcels around town hall.

The state of Maine and the federal government list species as threatened or endangered based on their risk of extirpation/extinction. Additionally, the State of Maine lists Species of Special Concern and evaluated the conservation status of all species in the state in *Maine's Comprehensive Wildlife Conservation Strategy* (CWCS; 2005). The CWCS examined the conservation status of all species and assigned rankings based on their risk of extirpation ("Priority") and then identified the Species of Greatest Conservation Need (SGCN), based on a combination of their Priority ranking and the amount and quality of information available to guide conservation efforts for each species.

We identified species listed at the state or federal level, or that were assigned a ranking of "high" under the SGCN evaluation, that are likely to use the Property seasonally or year-round, based on their known distribution in the State and their habitat preferences. This evaluation was based on the assumptions of on-site habitat availability listed below. Species which may use the Property only as stop-over habitat during migration were not included.

- The Property offers mature age-classes of forest consisting primarily spruce-fir forest, with a limited amount of mixed coniferous/deciduous forest.
- The wetlands present on the Property are forested with limited understory development.
- The limited open habitat types associated with the land-fill and town buildings do not offer a sufficient amount or quality of habitat to attract non-forest species.

Table 1. Species of Conservation Concern likely to be present on the Property.

Species	Status ¹	Priority ²	SGCN Category ³	Habitat ⁴	Forest Maturity ⁵
Birds					
Bald Eagle*	SC	2	High	Co	n/a
Barred Owl		2	High	Mx	3
Olive-sided Flycatcher	SC	2	High	C	3
Wood Thrush *	SC	2	High	D, Mx	2,3
Black and White Warbler *	SC	2	High	D, Mx	2,3
Blackburnian Warbler		2	High	Mx	2,3
Black-throated Green Warbler		2	High	Mx, C	2,3
Canada Warbler	SC	2	High	C	1,2,3
Northern Parula		2	High	C	2,3
Purple Finch		2	High	C	1,2,3
Red Crossbill		2	High	C	3
Great blue heron*	SC	2	Moderate	Co, W	n/a
Evening grosbeak	SC	3	n/a	Mx, C	2,3
Amphibians					
Blue spotted salamander*	SC	2	high	VP	2,3
Mammals					
Little brown bat	SC	3	n/a	D, Mx, C	1,2,3
Northern long-eared myotis	SC	3	n/a	D, Mx, C	1,2,3
Red bat	SC	3	n/a	D, Mx, C	1,2,3
Hoary bat	SC	3	n/a	D, Mx, C	1,2,3
Silver-haired bat	SC	3	n/a	D, Mx, C	1,2,3

*Observed on-site

¹Status: FT – Federally threatened; FE – Federally endangered; ST – State threatened; SE – State endangered SC – special concern

²Maine Risk Priority: 1 – high potential for state extirpation without management intervention and/or protection; 2 – moderate to high potential for state extirpation without management intervention and/or protection; 3 – low potential for state extirpation, yet there are some remaining concerns regarding restricted distributions, status, and/or extreme habitat specialization.

³Species of Greatest Conservation Need Priority: combines risk of extirpation with knowledge and readiness for action.

⁴Primary Habitat: D – deciduous forest; C – coniferous forest; Co – coastal; Mx – mixed deciduous-coniferous forest; VP – vernal pool

⁵Forest Maturity: 1 – regeneration/sapling/small pole; 2 – intermediate age; 3 – mature