






APPENDIX A


Federally and Provincially Listed Plant Species Potentially Occurring in General Project Area


English Name	Scientific Name	Image	BC List	SARA Status	Known Occurrences Near Project Area ¹	Potential to Occur ²	Habitat and Physical Description
banded cord-moss	<i>Entosthodon fascicularis</i>	 <p>© Ryan Batten</p>	Blue	Special Concern	No known occurrences on South Pender Island, however an occurrence on North Pender Island was recorded in 1997 on an earth hummock at the edge of a seepage outcrop.	l/m	<p>A small, pale green to yellow-green moss that grows 2 to 4 mm high, occurring in small patches on seasonally wet soil. The stems are 5 to 9 mm tall, with spore-producing structures at the summit.</p> <p>Extremely local on periodically humid or damp earth of exposed outcrops in arbutus and oak stands.</p>


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coast manroot	<i>Marah oregana</i>	 <p>© Jamie Fenneman</p>	Red		Two occurrences on southeast corner of South Pender Island (observed in pasture along margin of second-growth forest of Douglas fir, Western red cedar and red alder).	m	<p>Climbing perennial from an enlarged woody root. Stem leaves are alternate, bristly above, sparsely hairy below, and heart-shaped at the base, about 20 cm long. Inflorescence is composed of whitish bell-shaped flowers with 5 to 8 petals/sepals.</p> <p>Occurs in moist fields and open meadows and slopes in the lowland zone.</p>
Howell's violet	<i>Viola howellii</i>	 <p>© Ryan Batten</p>	Red		None on Pender Island. Occurrence noted on Saltspring Island.	l/m	<p>Perennial herb. Stems are erect, sparsely hairy, 2-10 cm tall. Basal leaves are heart-to kidney-shaped, toothed, smooth to short-hairy. Inflorescence is composed of single, axillary flowers, with 5 petals that are bluish violet (white at the base) to white.</p>

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							Occurs in mesic to moist woodlands and forests in the lowland zone.
leafless wintergreen	<i>Pyrola aphylla</i>	 <p>© Gary Schaan</p>	Blue		No known occurrences on Pender Island. Multiple occurrences noted on Saltpring Island (in mixedwood forests).	m	<p>Leaves are either absent or the blade is generally vestigial. There are 7-25 bilateral flowers, with petals 5-7.5 mm long and coloured cream-white or pink.</p> <p>Occurs in mixedwood forests to arbutus woodland, often in deep litter and duff on hillsides of decomposed granite or loose, coarse sand.</p>

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Lindley's microseris	<i>Uropappus lindleyi</i>	 <p>© Max Licher</p>	Red	Endangered	No known occurrences on South Pender Island, however several occurrences note on the southern tip of North Pender Island and on Saturna Island (in grassland/herbaceous or coastal bluff areas).	I	<p>Annual herb, 10-70 cm tall. Basal leaves are linear, 15-30 cm long. Flowers are terminally located, heads with yellow strap-shaped flowers. The inner petals are graduated, and the outer ones are few, and somewhat graduated.</p> <p>Occurs in several different habitats in B.C., including sandstone cliffs, steep grassy slopes, and xeric, open deciduous or conifer forests on rocky slopes and cliffs.</p>

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Washington springbeauty	<i>Claytonia washingtoniana</i>	 <p>© Jamie Fenneman</p>	Blue		None on Pender Island. Occurrence noted on eastern Saturna Island in a moist seep in beachside forest.	l/m	<p>Annual herb, 5-40 cm tall. Numerous basal leaves, the blades of which are egg-shaped to deltoid and 1-5 cm long. The stem leaves are paired, free or sometimes fused; round to egg-shaped, unstalked, 1-4 cm long. 5-25 flowers are present on stalks 1-5 cm long, with 5 petals in either white or pink (fading to white), and 4-5 mm long.</p> <p>Occurs in moist to mesic mossy rock outcrops and forests in the lowland and montane zones.</p>

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Ozette coralroot	<i>Corallorhiza maculata</i> var. <i>ozettensis</i>	 <p>© Rosemary Taylor</p>	Blue		None on Pender Island. Several occurrences recorded on adjacent Gulf Islands (all in coniferous forest).	m	<p>Perennial herb. Stems are 20-55 cm tall and coloured red to yellow-brown. The inflorescence is a terminal raceme of 10 to 40 short-stalked, bent back flowers, with sepals usually the same colour as stem. Lateral petals are deep pink to red, sometimes dark-spotted. The lip is 5-7 mm long, white, red- to purple-spotted. The base has 2 lateral lobes, with the larger terminal lobe irregularly fine-toothed.</p> <p>Present in moist to dry forests in the lowland, steppe and montane zones.</p>

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white-lip rein orchid	<i>Platanthera ephemerantha</i>	 <p>© Hans Roemer</p>	Blue		None on Pender Island. Several occurrences recorded on adjacent Gulf Islands.	m	<p>Perennial herb, stem 20-55 cm tall. Their 2-3 basal leaves are linear to oblanceolate shaped, 10-18 cm long, and dull on the bottom and glossy above. The inflorescence is terminal and 7-30 cm long, usually densely flowered. The flowers are small and white (sometimes with green), and faintly and unpleasantly scented, with petals 2-4 mm long.</p> <p>Present in dry forests and forest margins in the lowland to montane zones.</p>