



Hunt Institute for Botanical Documentation
5th Floor, Hunt Library
Carnegie Mellon University
4909 Frew Street
Pittsburgh, PA 15213-3890
Telephone: 412-268-2434
Email: huntinst@andrew.cmu.edu
Web site: www.huntbotanical.org

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About the Institute

The Hunt Institute for Botanical Documentation, a research division of Carnegie Mellon University, specializes in the history of botany and all aspects of plant science and serves the international scientific community through research and documentation. To this end, the Institute acquires and maintains authoritative collections of books, plant images, manuscripts, portraits and data files, and provides publications and other modes of information service. The Institute meets the reference needs of botanists, biologists, historians, conservationists, librarians, bibliographers and the public at large, especially those concerned with any aspect of the North American flora.

Hunt Institute was dedicated in 1961 as the Rachel McMasters Miller Hunt Botanical Library, an international center for bibliographical research and service in the interests of botany and horticulture, as well as a center for the study of all aspects of the history of the plant sciences. By 1971 the Library's activities had so diversified that the name was changed to Hunt Institute for Botanical Documentation. Growth in collections and research projects led to the establishment of four programmatic departments: Archives, Art, Bibliography and the Library.

S. lucida var *intensa* Lem
Long Man. Que, NB, + no. W. N.E.

Lab (se) Hamilton Inlet (y 4)
Hd. extending to Bonne Bay (main R) Jan R 35: 242
Name: Frequent in north (Hyl)

Ont. Toronto 1,

Que. Gaspé Pen. Cos.

Melau Matap. 1

Temis

so of Gas Bay $48^{\circ}20' - 51^{\circ}$ Hurrianan R 1
(so part)

Eschere " " Rupert House ($51^{\circ}50'$) 1

on shore St Lawrence R. N. Ashyuid 62° Bonneau (63°)

S. lucida *angustifolia*

Me. No. E. Crookston Co.
Que. Long Man. Hyl + E. Can.

Eschere Gas Bay ($51-54^{\circ}$) 1 at $51^{\circ}15'$ 1 at $52^{\circ}33'$
" $51^{\circ}30'$
near Ottawa 1 (NH Can)
Lake Mistassini 1

Lab

SE. Lower Bay ($53^{\circ}20'N, 60^{\circ}30'W$) 2 out 1945

S. lucida *macrophylla* And
main. Local, H. Kent Crookston Co (Hyl)

S. verticillata (Paul) Fern
Alfred Prescott Co. 1

Ont. Jas. B. Morrison 1, 1, 1, 2
Natalbinka 1

W. Side Jas Bay, 52° 56' Allawapuskat 2

One E. Shore Jas Bay (51-54°) 3 at 52° 33' - 54°
Lac Mistassini 1

Many Only Avenue but prob so x East (Laur.)
Laur. 1, L.W. 40 end) 2

So. Oak in Deerfield Mac Intosh 1

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Gray Man. E. Q. to Altn, so to W. Conn.
N.J. not later. So far

Sask. McKague () 1783, 1452, 595, 148, 17c

Lisdale () " 1746

Wallport () " 1044 (10 ft.)

Orkney 1726 (5-10 ft.)

Saskatoon () Fraser 9

Waukegan () 92 Pike L.

Altn (Edmonton area) legal, dry, below swamp, Ball 1

" So. Casterton () 4300 ft. 2

Bay 4500 ft. 1, Lake Nereby 2, Red Deer 1

Pembina Dist. 6 mi so legal, Ball 2866

Slave L. Dist, Martin () 4548

Bay 7 mi. W. Ball () 9176; 6610, 6611 (10 ft.)

Edmonton () 2478; 432 (8 ft. W.)

It. Sask () 258, 1265 A, B 973a

S. caroliniana

Singer March

Ck Dodge 151 + 155 (Shrubs 28 & 29
St. Clair Co. Mich. 1896

5/14 + 5/19/96

Black River + Bunao (3) Creek

Suburban with Singer, etc.
(many others)

Sarmygdalesides Ind

Gray Man. W. Que + cent. N.Y. to BC + Tex

Man. Frequent on Lakes + Rivers in so part. (Lowe)

Sask Round Lake. 1

Alta. Medicine Hat. 1

Old Man R. in Monarch () Nov 6600, 6601

Lethbridge () Nov 1079

Magath, 284 " 1116

Que. Ay River (opp. Ottawa) 1, Sutton, Browns G,
Chamblay, 1

Ont. Ottawa area (St. N. Co.)

Toronto 1

Sask. coll. at Val Marie () and Antelope () Sask
and listed it at Eastford + also Swift Current.
abund. in maple creek area J. R. Bolton.

Burtwell, Batoni R. () Apr 997

Runceman (no index)

Hudson R. () Red Deer R. " 1126

Swift Current Cr. (Bolton)
maple creek " "

Ill. So. Pulaski Co. } in Ill. lists.
Ky (w) Ballard Co. }

BC. Osoyoos () Hardy 24

~~74~~

S. nigra Marsh

Maine Fryant south, m. p. to L. 450

Gray Mtn. N. B. to Ont, alt. 150.

no Kennebecasis (Rept 1874)

Que. opp Ottawa. (Hull, Malvern, Lake Arnyon 6)
Beauharnois Co 2 Blome Co 2 Chambly Co 1
Pontiac Co, Ottawa R., 1 Papineau Co, 1
James Cartier Co 1

Ont. Ottawa via (2 m. N. K. L. R.)

man Bass Lake (w. of Wampanag) 1872

S. interior Trowlee

Ont, Gas Bay, Morone (L.M.) + 2, 5,
Toronto 1

Que. Agnew (Opp. Ottawa) 1 (NH Can)

So of Gas Bay 48°20-51°0) Huronaw R 1
" " " (51°18) Mattawong R 1

Ont James Bay

W side, 52°56N Ottawa prosat, 2
52°12 Albany 1

Montmagny Co. 1

Bruce Co. 1

Champlain Co. 1

Jemiscanungue Co. 1

Common (L.M.)

Gray Iron. E. Que to Man. cotard + la.

Name: No. Arastock Co (Xyl)

Max Set. Ft Simpson (Mack) & Chipewyan (Alta)
also Athabasca Delta, 1
St. Richardson

S. interior pedicellata

Nack. Rocky mts. Drummond 662, Dr. Richardson

Man. (As *S. linearifolia*) common, but very not
(same)

Digitized by Hunt Institute for Botanical Documentation

S. interior var. Wheeleri

Man. Grand Beach Lower 1

S. interior

881 Stikine R. MacCall 8668

rigida Muhl. *S. cordata* Muhl. (*S. rigida*)

N.S. comm. The throughout a cpl. Lincoln Co
Lab. S.E. (near Canterbury) 12 (not seen in Queens, Shelburne + Yamoucheville)
N.B. Low banks of streams (Rex 1, 179) (Car, Fens)

Ont. Jara Bay, Mossone (com) (also white-pink)
w side 52° 56' Attawapiskat 12,

Nfld. Extended no to Bonne Bay, Main R mo (Jara 155-242)

Que. Gaspé Penin. (Coo Bon, Kanom, a cpl. Matap Riv. Jernis
Rimouthal, Lerboune Co. 1 1 111
no. Shore St. L.P. St. Augustin R. (58° 45' W) 1
Papineau Co., Laurentides, Laval Co., 1 Montcalm Co. 1
James Bay Exide Rupert House (51° 30') 1
Champlain Co.,

Morn. 3 by Grob R. C.R.B.
Freg. coccineum + arsin. Vally (Rome)
here *S. macrocarpa* also

S. cordata angustata

Que. Gaspé Penin.
Quebec Co., Lerboune Co. 1

Rome

Essay Man. widely dist

S. rigida Muhl (S cordata Muhl)
with broad, short, white hairy leaves

Ont. Rockliffe, Ottawa Valley (See Ont.)
Massonville (See other sheet)

S. myrtillifolia And.

Newfoundland NW.
Que. Foulie Co. Tabletop Mtn L + C. (no No).

Ont. Jan Bay (50) Lowanki R., 2
W. side, 52° 58' Attawapiskat 10
52° 13' Albany 3
54° 20' Lake R. 4

Ont. Hudson Bay

SW side 55° 15' N, 84° 30' W. Tenth R. 1

Ont (SW) of Lake of the Woods, R Bell (18868 Can) in 1883

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Que James Bay, E side

Charlton Id (57° 55' N), 1

Man. Norway House, no end F. Winnipeg, 1
Churchell (58° 30') 1 (N. Mus Com.)

Man. Lt Slave Is., Milton Id. (Cable) 1, Yellowknife, 2
63

St Smith 60° N, 2

Wrigley, 63° 16' N, 123° W, 2

J. Norman 64° 54' N, 125° 35' W, 1

Bear Lake 66° 117° W, 1

Alta Banff, Lake Louise, Calgary, Ponchar Creek
Castlemont Ranger Sta.

Jaeger Rk 75, 2

BC Lake Atlin, 1

Yukon White Horse Rapids 1

(GWN)

Smyrtillifolia

BC (central)

100-mile Home (Buffalo L., Wabam L. L. L.)

McLabe 842, 843, 848, 852, 855, 856, 857
867, 868, 877

Carver Creek (was at Kamloops next day) 960, 961, 962
Kamloops McLabe 1068

Indian pond L. (20 mi ne Porterville) McLabe 1127
Paul L. (12 mi ne of Kamloops) " 2302
(Sw) Grass R McLabe 8780

S. myrtillifolia

Sask. McKay () low energy. age 9/2, 917

spinal column 546, 547

$$11 \quad x_7^*(t) = 88.2(1 - 2\mu_1)$$

() 36,141,152 (bond @ 1000 ft)

2 a, b, c (4 fl.), b, a b c d (cr-2pt)

на 2021 г. 10

Walrus. 2d (8 ft).

Prince Albert Natl Park Fraser^{Co} //

Naivam Fraser

new, w to n. Alta (Ray 5

Alta Slave L. Ind, Atascadero Cabin / Lark 4269

Marley C / CCH-PR 3346

Highwood Blvd (1" 3160, 3162, 3225

Robert H. Rouse, Jr. (1915-1991) 247/1a

Bowl V., 20 mi 2 Bony - 6482 (34), 6488 (54.)

Jasper Ph., (1 Mac 1980) rev

12 March 1972 () Mass 792, 824, 825, 826, 827, 972

Jasper 4650, 4656, 4714, 4715, 4639

Isis. E. of Lacombe

Millet () Mass 1756-57
1758-59

Wetaskiwin 1758-60

Dist. R. 100 mi. W. of Edmonton
Barns Dist. P.F. Band 21 + add 30 more

Handwritten notes: $1178A, \odot$, $1195-1238, 1271, 1316$, $1453, A, B, 1753$

1752, 1753, 1754, 1755, 1756, 1757, 1758, 1759, 1760, 1761, 1762, 1763, 1764, 1765, 1766, 1767, 1768, 1769, 1770, 1771, 1772, 1773, 1774, 1775, 1776, 1777, 1778, 1779, 1780, 1781, 1782, 1783, 1784, 1785, 1786, 1787, 1788, 1789, 1790, 1791, 1792, 1793, 1794, 1795, 1796, 1797, 1798, 1799, 1800, 1801, 1802, 1803, 1804, 1805, 1806, 1807, 1808, 1809, 1810, 1811, 1812, 1813, 1814, 1815, 1816, 1817, 1818, 1819, 1820, 1821, 1822, 1823, 1824, 1825, 1826, 1827, 1828, 1829, 1830, 1831, 1832, 1833, 1834, 1835, 1836, 1837, 1838, 1839, 1840, 1841, 1842, 1843, 1844, 1845, 1846, 1847, 1848, 1849, 1850, 1851, 1852, 1853, 1854, 1855, 1856, 1857, 1858, 1859, 1860, 1861, 1862, 1863, 1864, 1865, 1866, 1867, 1868, 1869, 1870, 1871, 1872, 1873, 1874, 1875, 1876, 1877, 1878, 1879, 1880, 1881, 1882, 1883, 1884, 1885, 1886, 1887, 1888, 1889, 1890, 1891, 1892, 1893, 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902, 1903, 1904, 1905, 1906, 1907, 1908, 1909, 1910, 1911, 1912, 1913, 1914, 1915, 1916, 1917, 1918, 1919, 1920, 1921, 1922, 1923, 1924, 1925, 1926, 1927, 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1935, 1936, 1937, 1938, 1939, 1940, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 24

V. Trachymedusa

V. Krasnoyarsk
Sask. Makgill 1988 538 (6-15 in) 584

all the Joseph ^{no 100} ~~100~~, Malynne Davidson () Fresh 22

S. myrtillifolia var. *brachypoda* Fern.
nfd. ~~St. John's~~ Belle Isle, St. John's Harbor (E. shore?)
Que. Gaspe Penin. Can. ~~3161~~
Gaspe 111

E shore Jas Bay (51-54°) 2nd Old Fort, 52°33'
So of " " 48°20-51° Hurricane R 5
Lake Mistassini, (C.R.B.) Rouleau

Ont So end James Bay
Mackinac

Ungava (inland) Larch (Melaleuc) R. (57°N, 70-73 W) 1

Ungava Bay / Kalkoval R. (57°40-58°) 1

B.L. (C.R.B.) Ft St James, 25 mi no up) McCabe
7570, 7574

nfd. NW 3, (C.R.B.)

Que Gaspe Penin. Table-top Mtn. 526 (C.R.B.)

" Ungava SE Coast H.R.B. (St. John's R.) Doult 2581 (C.R.B.)
(det. as *S. glaucophylloides*)

S. purifolia And OVER
 abundant in N.B. (Rapt. 839)
 Nova Scotia Cumberland (throughout Fern)
 Maine throughout exc York Co (se) 1/4
 Gray Man. 100 + Lab. to Mack + B.C. so to no. N.E. my Minn
 Ont. Jaso, Moosonee, 1,
 Cochrane, 1

Que *Whitby* Co. 2, 26
Que *Mustassini*
 Montreal, Terrebonne Co. 2

Que *Gaspe* *Penin* (Coa) *Terre* 2
 N. shore St. Lawrence R. Natashquan R. (620) 5/4
 Gatineau Co. (1). Charnley, 1, Laurentides NP,
 SE 5/4 to shore Beauharnois Reservation
 int. Laurier area 117-210 m no, 2
 WC, so Upper Rupert basin 2
 SW, so of Gas Bay, 48°20'-51° Hurricane R. 2
 SE up St. Lawrence R. Rupert House, (51°30'N) 1
 Ungava (inland) (66°30'N, 75°W) Hornish R. 1

Labrador

SE Coast to 55°: Niger St (52°12') 1, 1 Cartwright, 1, 2

EC Coast to 55°. Ifupdale 1,
 VT, no end, Lemoreille + Orleans Co (no + no) Bul. 187

OVER

ata. (Edmonton area) Lysed dry willow swamp. Bul 5
 my Hamilton Co. Essex Co. House 8780, 9512
 Essex Co. Lake Huron House 4805
 Adirondacks. Sugar Co. 7000 House 2902

S pyrifolia

Alta. Peninsula det (c) 5 mi. so. Loyal 5
Ball 2367-71

Sask Colburn () Breeding 1725-26. (CRB)
955, 956, 1073 1738, 1747, 1781

Barnwell () age 18 705 (8 ft.)

Orley (25 mi. e. Jesdale) age 18 265

Jesdale 265

Crossed R. () 15

W. w. to n. Alta. Ramp 7

Alta Athabasca Delta (n) US Bul. Lang. Harper

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Edmonton (Brenner) () age 18 3752

Edson, e. of () in Jasper PK. Jan 24

Edmonton (Brenner) () age 18 2473, Nov 29/13

Jt Sask

Nov 29/13, 2995-05
() Turner 3047 a, b, c
1237 A, B; 1266

SALIX GLAUCOPHYLLOIDES Fern. (*S. glaucophylla* Bebb)

- Ill. Chicago & Vic. (Babcock, Bebb (USN. 15; CRB. 7), Beach, CRB. 5;
Romeo, abt. 40 mi. sw. Chicago, perhaps Will Co. (CRB., USN)
- Wisc.: Racine CO (se) by Costello, 1 See descr.
Waukesha Co. (se.) just w. of Milwaukee, inland, in swamp, 1 (CRB).
Dodge Co. (se.), Reeseville, inland 75 mi. nw Milwaukee, tamarack swamp, CRB 1
Sheboygan Co. (se) Mich shore, as f. *angustifolia* but twig normal (USN 1)
Mich. No locality Mich. Agr. Coll. (USN 5) *See desc.*
Berrien Co. (sw), Benton Harbor (no. of ~~Lapeere~~ ^{Porter} Co., Ind.) (CRB 1)
Kalamazoo Co. (sw), Eagle Lake (" " Lapeere Co., Ind.) Jones 1 (CRB.)
Genesee Co., (c-se), Flint (bet. Detroit & Bay Cy.) (USN 1) ^H
Huron Co. (tip of Thumb), New Buffalo 1, Bay Port 1 (USN). CK Dodge dry open grd
Iosco Co. (se), Alabaster, Tawas (opposite Bay Port Austin), C.K. Dodge
Arenac Co. (se), Gravelly Point (across Saginaw Bay from Bay Port) C.K. Dodge
Alcona Co. (ne), Sturgeon Point, Lake Huron, by Wheeler) rept. by Dodge.
Alpena Co. (ne), Alpena (ne. pt of tip), C.K. Dodge (Lake Huron)
Sheboygan Co. (no) center of tip), Mackinaw Cy & Whitefish Pt., plentiful, Dodge
Emmet Co. no; nw of tip) of L. Pen.), Cecil Bay (L. Mich. C.K. Dodge
Mackinac Co. (no, tip of Up. Pen), Mackinac, Lake Huron, C.K. Dodge.
Chippewa Co. (mo., no. side of tip of Up. Pen. on "Soo") Vermilion, sandy beach.
C.K. Dodge, L. Sup.
- Ind. Lake Co. (nw., L. Mich. dunes), Millers 4, Clarke 1 (all CRB) common,
Porter Co. (as last) 2 (CRB); Dune Park 6 (CRB), perhaps Laporte Co.
Laporte Co. (as last) 1 (CRB.)
Pulaski Co. 50 mi. sw se of L. Mich., 1 (CRB)
Lagrange Co. (ne., on Mich. line in height of land) 2 (CRB)
- OHIO. Erie Co. (nc) 2 (USN); Cedar Point 1 (CRB);
Erie Co., (OSU hb. & lists): Cedar Pt. (list & hb. 11), Castalia (hb 3); Hen Id. 1
Ashtabula Co. (no, next to Erie Co. Pa.), Ashtabula gorge below Jefferson, (Carn. Mus. Hb 1)
ONT. Lambton CO. (sw (so tip of Lake Huron) Port Franks, sandy beach, abund, Dodge.
James Bay (so tip of), Moosonee, 7 (CRB & lists)
" " (w. side, 52° 56' N.) Attawapiskat, 3
- Maine: No. Arcoostook Co., plentiful, (CRB 2; USN. 1)
- Que. Gaspé Penin.: Bonaventure Co. 4 (CRB); Gaspé Co. 7; Matane Co. 1; Rimouski Co. 7;
Temiscouata Co. 1 (CRB).
No. shore of St. Lawrence R. and Gulf (e-w)
Anticosti Id. 1; Mingan Ids. 3;
Gatineau R., Gatineau Pt., 2 (NHCan 3; CRB)
Montmorency Falls, Quebec Cy., 1 (USN); Grosse Isle, 40 mi. nelow, 1 (USN)
So of James Bay, Hurricanaw R., 48° 20'-51° N., 5
Ungava, e. shore of James Bay (51°-55°):
Nottaway R. (so tip) 1
Rupert House, 51° N., 1
bet 51° 30' and 52° 30' N., 4
Hudson Bay, se. shore (55°-58° N). Gt. Whale R., 55° 17' N., 1
- Nfld. (USN) SW. 1; W (Fort-a-Port Bay 1) 1; CRB. 1)
No limit apply on Bonnet Bay, mo. Main R. Fern. Rh. 35:243)
(Man. "Reported from Killarney (Lowe) Winnipeg, perhaps introduced")
- Gray Man: e. Que. to Alberta, so to N.B., Me., & Gt. Lakes.

Salix glaucophylloides Fern., var. albovestita (Ball) Fern.

Ind. Wayne CO. (ec), Elliott's Mill bog, near Richmond, L.J. King Nos. 1630, 1632,
in 1939 (?) (wabash Coll. herb.) farthest SW.

Mich. Huron, Bay Port (1 CRB), tip of Thumb, on Lake Huron

Ohio: Erie Co., Cedar Point, (Selby 4) O.S.U. Herb.) 1 (CRB herb. 2)

Penn. Erie Co., Presque Isle (type locality) herb. Carn. Mus. 9, CRB 6)

Allegheny Co., Neville Id. 1 and "atona Id. 1, Ohio R. (U. Pa. hb.)

Clarion Co., Clarion, 1 (U. Pa. hb.)

Crawford Co., near Hartstown, Pymatuning Swamp, (U. Pa. hb. L)

Bearver Co., 1

Ont. Long Point, no. shore Lake Erie (Car. Mus. hb. 1)

Moosonee, so. tip James Bay, 2

QUEBEC: Gaspé Penin.: Gaspé Co., Fern. & Pease 24992 (USN & CRB; F. & Weatherby 2434 (USN)

Matane Co.: F. & P. 24987-24988 (galeous cape.) (U.S.N., CRB.)

24989 (CRB).

Bonaventure Co. 1 (from lists), also 1 ea. for Gaspé & Matane Cos. (Rouleau)

No. shore of St. Lawrence R., Brome Co., 1 (fr Rouleau)

Old Factory, e. shore James Bay, 52° 33' N., 2

Lake Mistassini area, 2 (in CRB, one with small ^{sub}orbicular apic-plicate lvs.
(see Wisc. spec. under species)

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Salix glaucophylloides var. brevifolia (Bebb)

The depauperate expression with small leaves, as growing in sand dunes and other sandy situations, especially in the Great Lakes area, less common eastward.

Ill. Type locality, based on collections by Babcock and by Bebb, around Chicago.

Kankakee Co. some 60 mi. so. of L. Michigan, Otto, near Kankakee, in sands of the old Kankakee River valley (Schneider 1' see CRB)

Wisc. se. on L. Mich., (probably in Ozaukee or Racine Cos.) Costello

Ind. Lake CO. (Miller's); Porter Co. 2; both in lake dunes;

Mich. Cheboygan Co., Mackinaw City; Emmet Co., Cecil Bay (both on no tip.

Schoolcraft Co. 2 (dwarf plants), in No. penon.;

Huron Co., Port Austin (tip of thumb on L. Huron) dwarf plant.

Penn.: Erie Co., Presque Isle (on Lake Erie), 2 (1 in Carn. Mus. herb)

Ont. Bruce Co., Southampton, sandy shore Lake Huron (ChDodge)

SALIX CORDATA Michaux (*S. adenophylla* Hooker; *S. syrticæla* Fernald)

- Me. Hyland (1944) does not include it. Fernald (Rhodora 48:28, 1946) says: "I had been collecting it along the Aroostook River in northern Maine". See also pp. 32-33.
- N.Y. So. half of e. end L. Ontario. Oswego Co., Dry sand dunes overlying Silurian limestone by Lake Ontario, sw. corner of Sandy Creek Twp. and sand dunes at Selkirk, Oswego Co." " - - , apparently not heretofore recorded from L. Ontario"
- Fern. & Wieg. Rhod. 25:209, 1923,
- Jefferson Co. sand dunes, shore of L. Ontario. near Woodville (se cor. Co) House 8198; 9269. (Jefferson is just n. of Oswego Co.)

Ohio:

Mich. Northern Peninsula:

- Mackinac Co. (se. corner Penin.), on L. Huron (USNH).
- Chippewa Co. (ne. " ") Vermilion, on L. Superior (Dodge)
- Schoolcraft Co. se part " on L. Michigan (1, CRB.)
- Alger Co. (no. part Up. Pen). near Grand Marais (Dodge)
- Lower Peninsula: north to south:
- Cheboygan Co. (no. L. Huron): Cheboygan (Dodge), Mackinaw Cy. (CRB, Dodge, USNH)
- Emmet Co. (nw), Cecil Bay (CRB, Dodge); Sturgeon Bay (Dodge).
- Leelanau Co. (nw, s. of Emmet), 2 (USNH).
- Huron Co. (ec, tip of Thumb): Bay Port, Saginaw Bay, 3 (CRB, USNH.)
- Berrien (sw., L. Mich.): New Buffalo 2 (USNH).
- Ind. (nw) Lake Co. 3 (CRB); Porter Co. 3 (CRB); USNH.; Laporte Co. 3 CRB; USNH.
- St. Joseph Co. (no): Pine 2 (CRB); 1 (USNH); CO. ? Paul 1 (CRB)
- Ill. Chicago and Vicinity; 4, (CRB); 10 (USNH).
- Wisc. Manitowoc CO. (ec): dune areas, 1 (CRB), almost to Long. 88° W.

- Ont. Bruce CO. (sw), Lake Huron, nr. Southampton (Dodge): Bruce Pen., Big Bay 2 (USNH)
- Simcoe Co. Fernald

James Bay area: so. tip of Bay:

- Moose R., 3; Moosonee 11 (lists & CRB). Onahama R.
- W. side: 52° 13' N., Albany 3 (lists): 52° 56' N., Attawapiskat R., 5 (lists)
- 54 20' N., Lake R. (Naketa-wisago) 1 (lists).
- Hudson Bay (sw side): 55° 158' N., 85° 15' W., Weemusk, 3 (lists)
- about 56° N., 88° W., Severn R.

- QUE. No. shore (Cote Nord) St. Lawrence R.: Natashkwan R., 61° 30' W. 1 (lists)
- Gatineau R. 22 mi. no. of Mt. Laurier 1
- SW: along Hurricanaw R., 48° 20' - 51° N., 4 (lists)

James Bay, E. shore, 51° 30' to 55° N.

- Rupert House, 51° 30' N., 5; Rupert R., 1 (CRB).
- East Main R. 1 (CRB);
- Ft. Georges, 53° 50' N., 2 (CRB).

- Nfld: Fernald (Rhodora 48:32, 33, 1946).

- N. S.S. " " 48:32)

Var. *abraga* Fernald

(Twigs, petioles, and leaves (except midrib) glabrate to glabrous)

- Fernald says (p. 34): "Newfoundland and Gaspe Peninsula, Quebec, to Nova Scotia and northern Maine."

He cites specimens from Newfd., Gaspe Penin. (Gaspe, Bonaventure, N.B., N.S., and Ft. Kent, Aroostook Co., Me.

- ONT. James Bay, marsh at mouth of Moose R., Smith No. 16 (CRB, USNH).

SALIX CALGICOLA FERNALD & WIEGAND 1911.

(*Salix richardsoni* Hooker, var. *Macouniana* Bebb, 1889)

N.W. Nfld. and Gaspé Co., Wue., n. to so. & c. Baffin Island, and w. to Southamptn Id. (South Bay), Keewatin (Chesterfield Inlet and Baker Lake), Man (ne): (Ft. Churchill), Ont. Twin Id. and west side James Bay;

Calcareous soils, barrens and cliffs

Nfld.: Ig Ingornachoir Bay and Pointe Riche (limestone barrens at sea-level), Fern. & Wieg. 3151, 3152, in 1910.

Labrador (Nfld.): SE. Coast:

EC. Coast:

NE. Coast (58° - 61° N): Komaktorvik Fiord (59° $14'$), 2; Port Burwell (60°), 4; Joksuk Inlet, 1 (60 $12'$)

Baffin Island (so.): Bowdoin Harbor (fide Fern. & Senn); Lake Harbour 2;

(c.): Nettilling Lake (cited by Polunin).

Southamptn Id., South Bay, and Akpotak Id. (cited by Polunin)

Quebec: Gaspé Co. (Table-top Mtn., Fern. & Collins 211)

E. shore James Bay (51° - 55°): Ft. George (54°) 3; Cape Jones Id. () 1;

SE " Hudson Bay (55° - 58°): 3,

E.C. " " " (58° - 60°): 58° $15'$, 1; 58° $24'$, 5; 59° $42'$ - $50'$, 4; islands, 3; inland on Larch R. abt. 57° N, 70° - 73° W., 2

NE. " " " (60° - 63°):

Hudson Strait (Ungava): w. side Ungava Bay, 1; Wakeham Bay, 10; Ivivivik, 1
Diana Bay (nw corner Ungava Bay) 61° $00'$ N (Gard. 588, CRE)

Ont., James Bay area:

South (or North) Twin Id. (type locality), Macoun in 1887. Doubt 1

W. side James Bay: Lake R. (54° $20'$ N.) 4

Man. (ne.): Churchill (Hudson B., 59° N.) 3

Keewatin: Chesterfield Inlet (1, Dutilly); Baker Lake, 2 (abt. L. 64° - 65°)
(leaves finely serrulate-denticulate)

B.C. mts. in sw.

SALIX PEDICELLARIS Pursh.

- Me. Local, western and central (Hyland); Arcostotek Co., Bear Lake (CRB)
- Vt. Addison Co., (wc), Bristol Bay,
- NY. Cayuga Co. (c, n); 2; Essex Co. (ne) House 14055;
Hamilton Co. (ec), House 14728, 14753; Jefferson Co. (nc (e. end Lake O.
Madison Co. (c, e) 2; Lakeport (House 11761; Oneida (House 1161).
Monroe Co. (c, nw) Wayne Co. (c, nw). both on L. Ont.
- Man. Lowe says "common" but cites no localities.
- B.C. The specimens from Telegraph Trail (nw, Lat. ϕ 54 N.) in USNH, long cited as species, has one twig with apical leaves glaucescent; all poorly dried.
There is no certain record of the species west of New York. Gray Man did not sep. sp. and var.

SALIX PEDICELLARIS Fx. var. *HYPOGLAUCA* Fernald.

- Me. More frequent (than sp.) but not in eastern part (Hyland).
Androscoggin Co. (sw) 1 CRB; Oxford Co. (wc-s)
Penobscot Co. (c, e) 1 USN;
Somerset Co. (c, w) Attean, CRB; 2 (USN)
- Vt. Addison Co. (wc). Chittenden Co. (wc-n) Colchester 1 (CRB), 2 (USNH).
Rutland Co. (w-sw) Bennington Co. (sw). Pownal 1 (USNH).
- Mass. Middlesex Co. (ne), Bedford 2 (USNH); Essex Co. (ne), Topsfield 1 (USNH)
Norfolk Co. (ec), Brookline 1 (USNH); W. Granby 1 (USNH)
Suffolk Co. (ec, Boston), Readville 1 (USNH), W. Roxbury 1 (CRB, USNH).
- Conn. Hartford Co. (c-nc), East Granby (NC)
Tolland Co. (nc-e), Stafford. Litchfield Co. (nw), Cornwall and Norfolk.
New Haven Co. (sc-w) New Haven 1 (USNH).
- R. I. Kent Co., E. Greenwich, 1 (USNH).
- N.Y. Fulton Co. (ec-w), Northampton, House 12014; Herkimer Co. (ec-w)
Hamilton Co. (ec-), Loon Lake, House 14753;
Saratoga Co. (ec), 1 Providence (CRB); Warren Co. (ec), 2 (CRB), Glens Falls, 14296
Jefferson Co. (nc-e) 1 (USN); St. Lawrence Co. (nc-ne), Lisbon 1 (USN)
Monroe Co. (nc-w) on L. Ont., 2 (USN); Wayne (nc on L. Ont.), 1 (USN)
Oneida Co. (c-e), Vernon Beach, House 14283
Chenango Co. (sc), House 16900 (CRB). Tompkins Co. (sc), Freeville 2 (USNH).
- Ohio. Licking (?) Co. (c, L. 40° N), Licking Reservoir, 2 (CRB) & Portage (ne) & ~~Wayne~~ Cos.
Wayne Co. (nc-e), Browns L. 1 (USN); Wooster 2 (CRB). Williams (nw) Cos.
- Mich. Upper Peninsula:
Chippewa Co. (ne), Whitefish Point (Dodge) not desig. as var.
Houghton Co. (nw), 1 (CRB); Keweenaw Co. (nw), 1 (CRB), Eagle Harb 1; Rock H. 1
Jacobsville (Dodge)
- Lower Peninsula:
Cheboygan Co. (nc, L. Hur.), Cheboygan 1 (dodge) not desig as var.
Crawford Co. (nc-s), Grayling 1 (CRB).
Gretiot Co. (c), Alma 1 (USNH).
Huron Co. (ec, Seginaw Bay), Port Huron 1 (USNH)
Genesee Co. (ec), Flint, 1 (CRB), 1 (USNH).
St. Clair Co. (ec-s), (Dodge), not desig. as var.
Jackson Co. (sc.), Jackson 2 (Dodge), not desig as var.
Kalamazoo Co. (sw), 1 (CRB); Tetas Twp; and Simmons Marsh (hanes, Rapp).

2. var. hypoglauca Fern

Ind. Lake Co. (nw), 2 CRB(, 2 (USNH), incl. fillers; Porter Co. (nw), Deam.
 Lagrange Co. (ne, on Mich. line), 2 (CRB), 1 (USNH);
 Marshall Co. (nc), L. Maxinkuckee; Kosciusko Co. (nc), 1 (CRB).
 Noble Co. (ne); Whitley Co. (ne) 1 (CRB); (Clarke, 1 CRB.)
 "ne. portion as far so. as Wells and Wayne Cos." Deam
 Wells Co. (ec-n); Wayne Co. (ec), so of lat. 40° N. (where S. gl. albovest)

Ill. No record.

Wisc. Forest Co. (ne), Woodruff (Tassett, CRB).
 Oneida Co., (nc-e) 1 (CRB, USNH); Washburn Co. (nw), 1 (CRB)
 Wood Co. (c), Pittsville 1 (USNH).
 Dodge Co. (se), Reeseville 1 (CRB); Ozaucsee Co. (se), Cedarburg 1 (CRB), mo of Milw
 Walworth Co. (se cor.) Ill. line, 1 (USNH).

Ia. Emmett Co. (nc-w), on Minn. line, 1 (CRB, USNH).

Minn. St. Louis Co. (ne), Ely 2 (USNH), Duluth 1 (CRB)
 Clearwater Co. (nw-c), 1 (USNH); Hubbard Co. (c-nw) 1 (CRB).
 Cass Co. (c), Cass Lake 1 (CRB);
 Anoka Co. (ec-s), 1 (USNH); Chisago Co. (ec-s) center Cy. 1 (USN)
 Freeborn Co. (sc.-e) 1 (USN); Scott Co. (se-c) 1 (CRB).

S.D. No record

N.D. No record

Mont. No record

Ida. Bonner Co. (nw), priest Lake, Piper 3720 (CRB).
 Oreg. no loc. T.J. Howell in 1880, (lvs. to obovate)

Wash. Yakima Co. (sc) Mt. Adams, 1 (USNH)
 Klickitat Co. (sc-w), 5 Suksdorf (CRB), Falcon Valley 2 Suksdorf (CRB)
 King Co. (c-w) Seattle (CRB, USNH), Piper 672.
 Pierce Co. (c-sw), Tacoma (CRB, USNH); Thurston Co. (wc), Olympia /
 Whatcom Co. (nc-w) 1 (USNH). Henderson, U. Wash. herb.

- Nfld. West, Humber River, 2 (USNH).
- N.B. Kent Co., Bass River 2 (USNH). "Shrub 1-2 ft. high in bogs" (Rept, 1879)
- Que. Gaspé Penin. (so), Gaspé Co., 1 (USN); Rimouski Co.
Assomption Co. () 1 Berthier Co () ; Bruce Co., Stokes Bay 1 (USNH).
Laurentides Natl. Park (sw-c), no. of Wabec 2
Mt. Laurier area (sw), up to 210 mi. no. of, 4.
Abitibi (sw), on Ont. line, Makamik l, Temiscamingue 1 (USN)
L. Mistassini area (wo), Oatmeal & Plum Pudding Portages, 51° 25' N., 77° 30' - 78° 30'
James Bay, so of (sw-c), Hurricanaw R., 48° 20' - 51° N, 1
James Bay, se tip (wc-s), Rupert R. basin; E Main R. 1 (USNH).
Hudson Bay, se shore, 55° - 58° N., Gt. Whale R., 55° 15' N
- Ont. (sw), Wingham (Dodge)
So end James Bay (nc-e), Moosonee l, 3 (CRB)
W. side James Bay (nc-w), Albany, 52° 13' N., 1
Attawiskat, 52° 56' N., 3; Lake R. 54° 20' N. 1
- Man. Sidney (so), Lowe says "only Riding Mtn. Natl. Park" but 3 spec. from Grand Rapids, L. Winnipeg, and Shoal Lake.
- Sask. McKague (ec-s) 10 (CRB, USN); Waakesiu Lake (ec-s), 1
Prince Albert (ec) 3
Lake Athabaska (nw) (Raup and USNH).
- Nack. Ft. Norman, 65° N., 125° W., Preble 320 (USNH).
- Alta. Ft. Saskatchewan (Edmonton), (c) 2
Lesser Slave Lake l; Slave Lake Dist., Atauwan 1 (c-n)
Prince George, 30 mi. no. ()
- B.C. Revelstoke (so) 1
No. Thompson R., (sw), 1
Barkerville (c-se) 25 mi. ne., 4; Clearwater L. & R. (?) 3
Burns L. (& Indianpoint L.) 54° 15' N., 2
Chezacut L. Telona L., Driftwood R. (), McCabe 156, 1265,
Hazleton (c-w), 55° N.,
Prince George (c), no. of. 54° 7. Ft. St. James (c) 2
Telegraph Trail, L. 54° N., (Prince Rupert-Skeena R. area).
In USNH. as *S. pedicellaris* but on twigs has apical leaves glaucescent (all poorly dried).

var. *temescens* Fernald.

Common. Litchfield Co. (nw), Canaan (CRB), is a heavily fruiting shoot with narrow leaves.

S. pedicellaris Lycopodium

Sask. McKague () AKB 82, 167, 43, 542 (sample)
 " " 94, 363, 549 (")
 " 157, 10a, b, c, d (2-3 ft.)
 no loc. 22, 9

nw, w to n. alta Range 2

alta. Glan. L. Dist, Atanawa Cabin () AKB 4314
 " " Maskin Cabin () " 4545
 Bears, 130 mi W. Edmonton
 Ft Sask () Inner 1234, 1260

Re Burns Lake 54°15' N about 4-5 ft. (OK), Luper
 Earthham 13635

Digitized by Hun Institute for Botanical Documentation
 Telma L. (no), Driftwood R. Val, no off. Burns - Vichla 4,
 (-56°, 126, 30, 11°) 1228 ft. 1222

Chequamegon L. Munk 1320, 1330

SW of Kleina / Lene McCabe 609

Indiant 5.25 mi ne of Baskinville " 308

McCabe 1209, 1218

no Thompson R (from 20-80 n. of Kamlaygo

Biesch Id McCabe 2090, 2091

Clearwater " 2121, 2155, 2157, 2200

Burns L. (12 mi e. of) to 30 in high McCabe 7042

Ft St James (25 mi ne of)

Summit L. (fr. Hazelton toward Jasper Pk, Alta?) 7531, 7578
 8294

S. pedicellaris (?)

Sask. C. Ashabaska, no shore 145 Best Surv.

S. hebesarpa Turv

Que. Ungava

NE side Hudson Bay inland Larch R.
Russell R, trib. Larch R (Melges)
(57° N., 73° W) desc. 1 (Dobell 14503)

alta (Lesser) Blom & Dietl. () Assineau R. H. 4353
(prob. S. archibaculus?) in 1929

Digitized by Hunt Institute for Botanical Documentation

This so-called species from Lake
only a hybrid of S. pedunculata var
hypoglossata x probably archibaculus

Sherbacea L. Norway 1. Hake Bonin 1
Greenland ^{as before} 2. Wistly, Dicks 2. Gochow 2
Iceland Cape York 1. Shuk 1
Baffin Island N.W. Munro 1. 77047, 1
No. 6. Northumberland I. d. 1
all west
4 Smith CPO

no. (70²⁶ Clyde IN 1 (3), 1, (1 a, 228)
68²⁵ p.w.

Pangnirtung, (66° 8' N 65° 28' W) ←
(1 D, 2 Super, 1 Barrow, 2 PRA)

Pond's Inlet, 6 (N.H.C.)

so. Froberher Bay 2

Resolution, Id 1, 1/15 (RR)
Bowdoin Hall 1 (P.R., RR)

Braz. Id. (5c coast) abt 62°30'N, 70°W. (Carnell & Rumpke)

1 Aug. Smith Ed 78° 82° W. Q.L. Hayes (SAN)

Kewatin Balchota / (640N, 95W) (12 CRG)
+ 1st (2.5 CRG)

Sabulignas (63°N, 90°W) no of Cherted (20, 2RS)

Chestnutfield (Fairway Id) 2 (Det. 331, 332, prob. X)

Chesterfield Inlet, 9, 2 (63°25') (20, 1998)

Hampshire L. no end Radford 183 (26)

for prob x see Polynomials 156

8 herbaceous L.

Labrador (strip on NW coast)

NE. Coast (58°-61° N)

Button Cove. 1 (P+B, CRB)

Clark Harbor (60°14' N) 1, 1 (12, 14 CRB) 10, CRB

Komalctavik Fjord (59°14' N) 1 (10, CRB)

Eclipse Harbor (59°50') 2 (10, 14, CRB)

Otebron 58°14' 1 (14 CRB)

EC Coast 55°-58° N

Cape Mingford, 57°55' N, 2 (10 CRB, CRB)

Port Mankin (56°55' N) 1, 1 (P+B, CRB) 56 58, 1

Train, 20 mi W. 56°30', (WALKER CRB)

Hopedale 55°30', 1 (P+B, CRB)

Salmon River 53°22' N (P+B, CRB)

SE Coast 51°5' 55'

Ensign Harbor 54°30' 1 (Walker, CRB)

Univ. 54°28', 1 (P+B, CRB)

Que. Hudson Strait (65°-78° W)

Dianna Bay (69°24' W) 1, 1 on Ungava B. (10, CRB)

Waceham Bay 71°58' W) 1, 2 (61°25'-35' N) (CRB 3)

NE. Shore Hudson Bay 60°-63° N.

Dugyivik 62°, 25', 1, 2 (10, 24 CRB)

E C shore (58°-60°)

Esquimaux 59°50', 1, 1 (20, 4, CRB)

Porter 59°42', 1 (CRB)

Slipway 59°17', 1 (10, 4, CRB)

Pt Harrison, 58°24', 2, 1 (Debat 2 CRB)

Hopedale 58°15', 1 (2, 5, 4, CRB)

Parma 10 Sam-
ger 177 (P+B)
Cenatolake
Senall 457. (HON)
Sugluk B1
Port Bourwell 2 (10, CRB)

Liberia 3

Dist. Hutchinson Bay with
S.E. shore (55° 58' N)

5540, 1. Boat opening under

or Harborm 58° 17' (Matta USN)

Hutchinson (Ungava)
Dianna Bay (USN)

Basin (Ungava) Jolly Top (Ungava) (25656, 4RR)
Matta, (Ungava) (17594, 4RR)
"Summit of Mt. Katchin, Shooka-hoo-hoo," (Macdon 1:449)

Nfld Highlands of St. John (Form. (R 35: 242)
Battle Harbor! (USN) was
Halter

Me. Mt Katchin (2 RR)

N.H. White Mts (Chickering, 1, 4RR) (2 USN)
Mt Wash (Foster, 1, 4RR) (9 USN)

N.Y. Essex Co (House, 1, 4RR)

Essay Man. Arctic Am to Mt Katchin + Mt Wash

Johnston Is. Can E (Matta)
Matta (USN) (2: 155-6 (dist.)
Grassy sandy + rocky and

S. Peasei Fernald
(regarded as *S. herbacea* x *uva-ursi*)

Kewatin

Igluliguat, nr of Chesterfield Inlet. 2 (out)

Look up in Herb. Bell nos 9070, 9072

See also 5 herbaceous from Fairway Id
Chesterfield Inlet, Dutilleul 331, 332

Salix uva-ursi Pursh

Gray: Lab. to Alaska, so. to alpine summits of N.E. & N.Y.

Poulunin (Bot Can. E. Arctic), p. 154. Calcareous rocky areas. Limited to e. half of the extreme south; general in mainland of n. Que. to s. Baffin.

Me. "higher mountains" Hyland (central), Pisquataquis and Somerset Cos.
Pisquataquis Co., Mt. Katahdin 8 (CRB), (3 USN).

N.H. White Mtns., (Blake, Chickering, CRB), 3 USN.

Mt. Washington (Eggleston, Harper, CRB);

Mt. Lafayette (1 Collins, CRB; 3 USN.)

Vt. Hancock Co., Mt. Mansfield (Balch & Eggleston 1, U.S.N.)

N.Y. Essex Co., 2 (USN);

Mt. Marcy, 5-5400 ft., (2 House, 2 Killip, USN); 1 Killip (CRB)

Que. Gaspe Peninsula ((64°26' or 70°W; 48°-49° N.) 4, lists

Gaspe Co. (ne), Mt. Albert (1 Macoun CRB; 1 M-V. et al. 17609, USNH.)

Matane Co. (no), Mt. Blanc, 2

N. Shore of St. Lawrence R. & Gulf. Exposed ledges in the Laurentian area (St. John)

"Baie des Moutons"

"Brest: Truite R.; Blanc Sablon (e) (F. & Wieg. 3169)."

James Bay. E. Shore (51°-55° N.)

Ft. Georges, 53° 30' N., 1

Long Id. 54° 48' N., 1

Hudson Bay, E. Shore:

S.E. Shore, 55° - 58° N.

Great Whale R., 55° 15' N., 1 or 2;

Boat Opening Harbor, 55° 40' N., 1

E. C. Shore, 58° -60° N.

Port Harrison, 58° 15' N., 1 "alte (USN).

N.E. Shore, 60° -63° N.

Ivuyivik, 62° 25' N., 1 Dutilly (CRB)

Hudson Strait

Port Burwell (Burwell Bay), e, next to Lab. tip), abt. 60° 25' N., 64° 25' W.

1 Dut. (CRB.); 1 "alte 120065, USNH).

Sogluk Pass (or Bay), 58° 30' N., (this is NE Lab. CRB.) 1 Dut. (CRB.)

"Sogluk West, Hudson Str., 62° 15' N., 75° 28' W." (Can. E. Arct. p. 165)

Nfld. S.W., Tompkins (Hernald)
N.W. Table Mtn. (USN)

Lab. S.E. Shore, 51° 30' N., 55° -59° W.
Battle Harbor 1 Waghorne (CRB); 2 Wag. (USN).
Cartwright, abt. 53° 40' N., 57° W. 3 Gardner (CRB)
Cut-Throat Id., 54° 28' N., 2 Dutilly (CRB.)

E.C. Shore, 55°-58° N.,
Hopedale, 55° 30' N., 1 Pot. & Erierly (CRB); 1 Sornberger (USN)
Main, 56° 30' N., 1 " " " (CRB), 1 Benner (USN).
Port Manvers, 56° 58' N. 2, 1 Dut., 1 Gard., 1 Pot., 1 P. & B., all CRB).
Cape Mugford, 57° 55' N., 1; 1 Dut., 1 P. & B., CRB.
Mugford Tickle, 2 P. & B. (CRB)

N. E. Shore, 58°-61° N.,
Eclipse Harbor, 58° 50' N., 1 Gard., (CRB);
Grenfell Tickle, 2 Potter & Erierly (CRB)
Komaktorvik Fiord, 59° 14' N.,
59° 20' N., 1

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Baffin Island.

South Part:

Bowdoin Harbor, 1
Frobisher Bay, 2
Lake Harbor, 3 (1 CRB; 1 Malte, 1 Pol. 301 (USN)

White Strait (prob. bet. Big. Id. & Baffin (se), Cornell Peary Party.

Greenland:

Southern Part
Njernesdal,
Godhavn

1 P. & B. (CRB); 2 (USN)
1 USN)

Salix uva-ursi Ph., forma lasiophylla Fern.

Me. Piscataquis Co., Mt. Katahdin, 1 N. & P.; 1 Steinmetz 1139 (?), CRB.

Leaves supposed to be m/l villous beneath but one spec, is glabrous and one has
2 leaves somewhat hairy beneath. Not worthy of recognition.

SALIX VESTITA Pursh

Nfld. West coast and northern peninsula (Fernald.)

Humber R. (Fern.); Humber mouth (USNH).

Table Mtn., Port-a-Port (Gray herb. colls. (USN 3).

SW., Tompkins, Pease & Edgerton 27073 (U.S.NH).

Lab. prob. SE. coast: Battle Harbor (Waghorne, USN); September Harbor (USN)

SE. coasts: Straits of Belle Isle (St. John 2); Blanc Sablon (Fern. (40:123)

E.C. coast, to 58° N.: Port Manvers, 56° 58' N (gard. 2,1; CRB. 3; USN 1).

Cut-Throat Tickle, 57° 48' N. (Walker 1011, CRB).

Capr Magford, 57° 55' N. (CRB. 4; USN 1) 2, 3 (lists)

N.E. coast, to 61° N.: Komaktorvik Fjord, 59° 14' N. (CRB, 1)

Que. Gaspé Penin. (Fern. Am. Jour. Bot. 5:237-47, map 2);

Gaspé Co., Table-top Mtn. (Allen, 3000 ft., 2 USN; 1 CRB); F. & C. 520 (CRB).

" " Percé, (M-V. et al. 17600 (2), USN).

Matane Co.: Mt. Fortin, 3600 ft., (F. & P. 2510, CRB & USN; 25011 (CRB)

Fern et al. 25651 (2), CRB).

Mt. Mattacuisse, 2000 ft., F.M. & S. 25650, 25651, USN).

Anticosti Id., Southwest Point (Macoun p. 455)
No. shore of St. Lawrence Gulf: Straits of Belle Isle, 58° N.

Mingan Ids., 64° W. (St. John; M-V. et al 18899). (Lab. ?)

Lake Mistassini area, 51° 30' N.: Dut. & Lep. 4 fragm., CRB) *Macoun p. 455*

James Bay, E. shore, 51° -55° N.: none

Ungave: E shore Hudson Bay, and inland, and Hudson Strait:

S.E. shore, to 58° N.: lists have 9 at 55° 40' N, and some noted below

Great Whale R., 55° 17' N: (Doutt 1; Gardner 1, CRB ?)

Boat Opening Harbor, 55° 41' N: (Doutt 7755, CRB).

Bill of Portland Id., 56° 40' N.: (Doutt 1, Dutilly 1, Gardner 4, all CRB).

Christie Id., 56° 58' N.: (Dutilly 1, CRB).

E. Center shore, to 60° N.: Hopewell Id., 58° 15' N. (Gardner 1, CRB)

N.E. shore, to 63° N.:

Hudson Strait: Wakeham Bay 2 (CRB.)

Ont. James Bay, so. & west: none (CRB, USN)

SW. shore Hudson Bay, Severn Ft. (Macoun 1, USN, narrow leaf but heavy fruit)

Man. Hudson Bay, W.C. Ft. Churchill, (Fremles 24, U.S.N., narrow leaf)

Keewatin, NW Hudson Bay: Chesterfield Inlet, 64° N., (3 in lists).

Mont. Glacier National Park (Flathead and Glacier Cos.): Hitchcock 1945 and 11899 (USN)

Exact localities not listed: Standley 15431, 15757, 15759, 15763, 16397, 16472, 16757, 17295, 17464, 18126 (all USN). all on rock slides and moraines, and all 1-2 or 3-4 ft. high. Some have apical leaves broad er.

Gunsight Pass, 5276 ft., (Maguire 686, 688 (CRB 1);

Hidden Lake, (" 5294, CRB.) wet meadow

Iceberg Lake (slopes above, arctic), Harshberger, 15 cm. high.

Piegan Pass, 6900 ft., Maguire 687, wet meadow).

Exact location not known:

above Stanton Lake, 7500 ft., Williams 1031, USN).

Upper Marias Pass, Canby 298, USN)

Flathead Lake, McDonald Peak, 6000 ft., July 31, 1908, Marcus E. Jones

(USN 3; CRB. 1)

(Standley 15810, 16304, G.N.P., fruiting twigs narrow leafed (v. *erecta*),

veg. shoot broad leaves as species (USN 2; CRB 1)

Oreg. Wallowa Mtns., Cusick 2106, 2361, 3517 (USN)

"higher mountains" prob. Wallowa (CRB)), Cusick 510 in 1886 (USN).

Wash. Chelan Co. () above Colechuck L., 7000 ft., English s 2367 (USN)

Alta. Banff & vic.: Canby 260 (USN); Malte & "atson C116803 (USN)

McCall, 6000 ft., 2250 USN)

17 mi. east of Banff. Sanson 41 (list)

Banff Natl. Park: AHB 3656 (or 5) (CRB); Nelson 3050 (USN); Sanson 12 (CRB).

Bow R. Pass, 7100 ft. (McCalla 6641, 6641a, 2 ft., CRB); Macoun 9 (USN)

Lake Louise, 5700 ft., Eggleston 21758, USN.; 2 CRB). Laggan 3 CRB.

Moraine Lake, 7000 ft., McCall 4535 (CRB).

Moose Mtn., Elbow R., 6500 ft., Macoun 1, CRB) Is this *ERECTA* FERN? Digitized by www.scribd.com Botanical Documentation

Smoky River, Hollister 7 (USN).

Jasper Natl. Park ()

Fraser No. 19 (Mt. Caccia); Jack, 4200-6500 ft., 3 CRB.; Macoun, 55-6700 ft.

6 CRB; Moss (1 at 5000 ft.), 4845, 4903, 4904 (3, CRB); Nelsons (Mt. Caccia) 4867, 4862 (CRB).

Tonquin, out of Jasper Pk., Sanson 2 CRB.)

B.C. Kootenay Park (); Hardy 1, Sanson 1, CRB).

Probably all in Rocky Mountain Natl. Park:

Emerald Lake, 4300 ft., (Shaw 134, USN).

Field, 6000-7000 ft., (S. Brown 352, 457 (USN)).

Glacier (Fern.)

Mt. Whympere, Vermilion Pass,

Selkirk Mts., summit, 5500 ft., (USN)

Hector, Mt. Paget, 5700 ft. (CRB).

Yoho Natl. Park ()

Kicking Horse Gorge, McCall 6993, 6994, CRB.

Yoho Valley, Mrs. Walcott (USN), to show plant painted.

var *psilophylla* Fernald.

Que. No. shore St. Lawrence Gulf; Mingan Ids. (Esquima Id.), 64° W. (St. John.)

S. recta

- BC Paradise Valley, Wintemere 7000 ft. (hardy) 1
" " So. ridge " 8-9000 " " 6
" " 7300 ft. (50°25'N, 116°50'W) Anderson 6468
" " 8000 ft. Anderson 8000 (erecta)
Field, Yoho N.D., 8 p.m. Earham 9171
Vermilion Summit, ca. 8 of Lake Louise
"S. recta is common" Zey
Vermilion Crossing 1 (erecta)
Lake Agnes 2 (det. as sp.) only over above line
1 (det. as v. erecta) Harshberger
Mt Stephen, 7000 ft. Ulke
Field, Yoho Rd. 3 mi. N. of " "
Yoho Park, Summit R. 6000 ft. Ulke

Alta

- Alta Jasper Pk. Mt. Cavell, abund, 4 ft. McCabe 8336
" " 3 (erecta)
Lake Louise, 5700 ft. (erecta) 1

var. *apiciolata* new at specimen
has narrowly ovate leaf 4×2 cm
broadly " " $4 \times 2.5 - 2.7$

Br + Br. Illus Fl. Ex 2, 1913

S. anglicum + var. are covered by

"*S. arcticum* Pallm." 1: 604

"Quebec, Arctic America, and Asia"

It includes the species, *S. anglicum*

Digitized by Hunt Institute for Botanical Documentation

"*S. anglicum* Chamisso" p. 605

"Labrador to Alaska" and to "Cobs in
the Rocky Mts." as wholly var
arctifolia by description and
figure

454. B 77

Artusa Fables

Baffin Land, Pond Inlet, 2 (Weekly)
one later out as 5 angstrom
Hudson R. Wablenhorne! (C.C.)

Musk.
Artillery Lake, E shore (Cable

Digitized by Hunt Institute for Botanical Documentation

Alta Jasper Pk. Mt. Edna Cavell
(in BC. 10-15 m. High. No. 8318

BC. (km) Texas Cr. 20 mi NW of Hyder
Alaska No. 8972, 9002
9005
mts. S. of July 1914 No. 9020

22 S. brachyomys

(over)

Greenhd., S.W.

Ont. Juv. Bay.

Satip. Natabiska Pt 1

W shore, $52^{\circ}56'$, Attawapiskat (2,
 $54^{\circ}20'$ Lake R. (3,

Hudson Bay W side

$55^{\circ}15'N$, $84^{\circ}30'W$, Trent R. 1.

Lowastki R. 2

Kewatin Sarpuk Id (Chesterfield Id) 2

Que. Gaspé Penn (Co. Gaspé

E shore James Bay ($51-55^{\circ}$) 3 at $52^{\circ}30'$, $53^{\circ}50'$ (1,
 $54^{\circ}15'$ $52^{\circ}40'$ (2

From N. locality "compromised" found from
north (none)

Alta. Mts of S. from Banff (6) 5° source, to Colesburg, N. of Red River
Calhoun, N. of Red River, 3 66 mi. N. of Banff, 1
Jasper Park 4, 2, Banff Pass, 1, Rocky Mts. 2
B.C., Kootenay (ex SE) 2, other SE, 5
Kinbasket L. 1

Sda. Crested L. Little Fort R. 6500 ft Crest 9888
Teton Co. Griggs, 25 5373, 5382, 5437
Wyo. Carbon Co. Soda Spgs. Davis 8250 Johnson 98
Yellow Nat. Park Soda Butte, Teton Co. 962
Sublette Co. Green R. Lake, Payson 4528 (CRB)
Me. Not in N.Y. found
Wash. Kittitas Co. Burley Co. Thompson 8885 (CRB)
Mont. Glacier Nat. Park Logan Pass, 6900 ft. Maguire 680
Cannot enter from Butte in 1938 because of
of Escalante

Treasurer's Statement

Women's Guild, Mt. Pleasant Congregational Church.

March 7 - 1934

<u>Balance Feb. 7-1934</u>	\$	
<u>Received</u>		
Since 1933		26.00
Pledges		5.00
1934		115.75
Lunches		4.00
Missionary Postage		2.43
Milk Fund.		.45
Sewing Committee		10.00
Women's Council		1.00
M. A. C. Missions		4.00
American Board		5.00
Central Union Mission		2.00

Disbursements:

Elite Laundry	6.11
Miss Derby ch. Flowers	7.00
Mrs. Lord ch. Sewing	10.00
" Appl. ch. Cleaning powder	5.00
" Ellenburger for Postage	5.00
" " Sew for speaker	.70
M. A. C. Missions	4.00
American Board	5.00
Mrs. Audubert Jr. Appointment	250.00
Central Union Mission	2.00
Pay on checks	.28

B. B. Ellenburger, Treasurer.

\$ 342.81

~~Shrubby~~
~~Slender~~ ~~Hard~~ ~~Dark~~
 Standley 1576* (above Cracker R.)
 16389, 16785, 16906, 17451, 17K57
 rock also generally steep. mesquite
 wet meadow, open marshy bog (natural)
 1-2 or 3 ft. high.

295.09

223.35

S. brachycarpa

Sask. Muenster () 1918 1192, 1193
Prairie River () " 706 (alk)
Crooked R. () " 280
Saskatoon () Fraser 1, 1a
Spitz Hill () "

Alta. L. Athabaska () US Bot. Surv. (in part) (part)
see var. psammophila

Alta. Hanna Hill () AKTS 5033, 5055, 4835
Morley Dist. Morley () " 3345

Jasper PK, Athabaska R. () Fraser 27

" " " R. Pyramid E. () Macdon 7
nr Calgary () Macdon 4396

Bow V. 20 mi. S. of Banff () " 6659 (2-2 1/2 ft)

Stirling () Macdon 919 (Jasper PK, 2000)

Lees, nr. Macdon 930 (4848, 4849, 4817,
Banff nat. Pk. mostly Banff)

Jasper PK Jasper Macdon 5576 (in 100 ft)

S. brachycarpa v. glabelliserpa

Alta. Kelsey () AKTS 2688
BC Cornwallis Hills, along Ashcroft () Macdon E2671
Jasper PK, Athabaska () Macdon B, mass 4850
" " " " Macdon E2671

Fraser

Saskatoon to Waskesiu L. abt 180 mi
" " to beyond Humboldt abt 150 mi
Humboldt to Tisdale abt 100 mi
" " to Ft. Albert

S. brachycarpa

- BC Bridge R. Mtn () Benyfr Eastham 1917
 Seum L, Caribou Eastham 11523,
 11524, 11525
 Paradise V (Windermere) 50015 H, 11650 W
 Souwmore Anderson 7778

- " " " " " " " " " " " "
 Henry's R (no) 2-5 ft high, 4000 ft.
 Norman R. 6500 ft. 6-8 m. " " " 1466
 " " " " " " " 105
 Thutade L. Hd of Finkley R. (no) Puddle + Myles 671
 Kleena Kleena, peak 15 mi SW, McCabe 373
 Clinton, Mt Bigbrien, " 381
 Golden (so) Mtn McCabe 6308
 Field " 6333, 6406

Digitized by Hunt Institute for Botanical Documentation

S. brachycarpa *antimima*

- BC Arase L. (no). 45 ft. McCabe 8718

S. b. Larsonii

- BC Kleena Kleena, peak 15 mi SW McCabe 371, 372
 Kimfuley (so) McCabe 6090, 6098 B
 Salden (so) " 6229

S. brachycarpis v. antinima (S. / R)

Ont. So. end of James Bay 1,

Que. Gaspé Penins. (Cas Gaspé,
2, 2, 5,

E. shore James B. (S. 51-54) 1 at St. Georges - 54°

Digitized by Hunt Institute for Botanical Documentation

Keewatin:

Chesterfield R. bit. Baker L. & Chester Inlet, 5

Eskimo Point 2

(was doubtful about det. maybe *S. fullertonensis*)

Sglulignai (no of Chester Inlet 1

Alta Chipewyan (Ant. 147)

No Fr, No Br. Sask R. (Keewatin) Brom 976

Wolox Pass

"

" 1404

S. boasycarpa var. Lansonii Palf

Greenland, SW

Ont. Hudson Bay

SW 55°15'N 84°30'W Front R. 11

Que. Gaspé Penin (Coe

Clasp.
16

SE shore Hudson Bay (54-56°) 1 at 55°40

Digitized by Hunt Institute for Botanical Documentation

E shore James Bay (53°) 1

Que. Wabowma Mtns, Ice L. Ark 3

Man. Carleton & Soda Spgs. Christ 8477, 16109, 16119
Custer Co. Pahnimeron R. Hekker Doubl. 11133

Alta. Jasper P. 15 1

Mont. Bearhead Co., Sheep Cr., Turner Mtns. Hekker & Muhl. 2886

var. graciliscarpa Schur

Alta. Jasper P. 1, 3,

Lake Louise 1.

S cordifolia Ph. typica
Newfoundland, NW
Greenland SE (Pek)
Lab. Cartwright (50, com.)
Grady, Hudson
Ont. Gas Bay (50)

Long. W.
common Mungana (64) & less so eastward (57)
Que. S.E. on No. shore (near Lab.) 3
E shore, Gas Bay (51-54°) 1 at 52° 30', 54° 27'
S.E. shore Hudson B (55-58°) 1 at 55° 40', 55° 17'
Lab. 58° 55' 59° 40'

Labrador

SE Coast to 55°; Red Bay 5143; Cartwright com
1 Grady, N. (2)

EC Coast to 58°; 57° 55'

Hudson Strait, Sugluk B 1

S. cordifolia v. calliarpsea

Baffin Id. 12 Lat. Harb. 8. Pangnirtung 2
Kreseld 55 (3 Feb) 1 as & anamense; 3 Outilly
Ellesmere Is. Gray Harbor 1 (far north RCMP Camp opp
Southampton Id. (63°N, 83°W) 1
Ont. for Bay (50), Moose, 1, 2, 1
wide " " 52°56' Attawapiskat (3
" " " Akimiski Id. 7
1 Lab. Austin (50, 50), 1 North
Hudson Bay West side
54°20' Race R. 1
55°15' (84°W) W. 11/11/11 (3)

Que Gaspe Penin (Cos. Gaspe
S.E. on No Shore, near Lab. 4

to shore, James Bay (57-58°) 2 at 52, 30 + 54 27
S.E. side 53°(2) 53°50'(2)
55°17' 62 5540 (4)
2 at 55 58 + 56 10
56°40' - 56°58' (3)
Inland, Lac Seul (56°30' 74W) 1
at Pt Harrison 58°15-24

SE shore Hudson Bay (55-58°) 2 at 55 58 + 56 10
56°40' - 56°58' (3)
Inland, Lac Seul (56°30' 74W) 1
at Pt Harrison 58°15-24

NE Shore to 63° 52°25' (1)

Hudson Strait

1, 4, 3, 6 Wakeham Bay

Labrador

S.E. Coast to 55°: 2 Cut-throat I 54°27'; Castwight com,
51°43' - 52°2' (3)

EC Coast to 58°: 11 fopidale 55½; Jack Lane B (55°45') 1
Davis In. (55°42') 2, Naini Part. Manuwa (56°58') 1, 1

NE Coast to 61°: Kom. ^{after} 5417N (59°) 1 5850 (1)

Ungava Bay, Kivak R 58° (3)

S. cordifolia callisarpium

Kewatin:
Repulse Bay (66°N 86°W) 1

~~Point~~ Vint. Id (near Collinson Pt.,) 71°N, 117°W. 1
Mark Bachman Inlet. 67°N, 108°W. 1

2fld

extended so to Bonne Bay, by shrubs to 2 "lea"
high (Fern Ph. 35: 242, 1933)

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S. cordifolia v. Encycla
Greenld. SE (Ruh)

Lab. Cartwright Co, rare.

QNE SE shore Hudson Bay (54-56°) 1 at Cape Jones 5430

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Labrador

SE Coast to 55°: 5143 (2) 54°28' (1)
Cartwright

EC Coast to 58°: 5735 (3)

NE Coast to 62°: 5911 (1)

S. cordifolia var. intonsa F
Greenld, SW ^{61°N} 1, 1, 1

Lab., Cartwright (as not com)

Ont So Twin Id Jas Bay (1,

Que. Gaspé Penn Cos Gaspé

E shore James Bay (51-54°) / at 71° 20' 54° -
1 at 53°

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EC ^{cont} inland, Larch R (56°30'N, 70°W) /

Labrador

S.E. Coast to 55°; Cartwright

54°28' U

EC Coast to 58°; Port Manvers (56°58') /

S. cordifolia v. Macconnii

Greenland, SW, NW, SE (2 Ret.)
Baffin Id (Lake Harbour) 1

Ontario W. side James Bay
52°56' 54'20" Attawapiskat (2)
Lake R. (2)

SW side Hudson Bay
55°15'N 84°30'W. Junt R. (3)
55°15'N, 85°15'W. Weenusk (3)

x Que. Gaspé Penin. (Cape Gaspé) Rmn
52°05' 25°30' 24' - 54°36' (2, 2)
E shore James Bay (51-54) 52°30' 54°36' (2, 2)
SE shore Hudson B. (55-58) 55°40' 56°10' 11
56°+N. Clumwater R. 1; (56°40'N, 73°W) 56°58' 11
" 70° 58°15' 58°24' (2)
EC shore
Inggawa Bay, Koksoak R. 1

Labrador

SE Coast to 55°: Cartwright arm., Eschsch I., 53°48' 1
53°+ - 54°00' 10

EO Coast to 58°: Hopedale 55 1/2, Windy T. (55°46') 1
Cape Ming (57°55') 55°27' - 57°55' (4 loc) 4,

NE Coast to 61° 2 Kom-vik Id (59°) 1

Que Hudson strts (65-78 W); Diana B (69°4') 1, Wakeham Bay
Walstenholme 1, Inuvik 1,

S. cordifolia v. *Macnairi* (Reyn.) S. P. H.

Hershel Id (Yukon Delta) 69°34' N, 139° W, 2
Mack Bathurst Idlet, 67° N, 108° W, 2
^ near Mackenzie

S. cordifolia v. *tonsa* Fern.
Lab. Cartwright (ss., rare)

Hudson Bay E shore
SE Long Id ($54^{\circ}48'N$) 2 (dec.)

EC inland Fench R ($56^{\circ}30'N$, $70^{\circ}W$), 1

Que. Saguenay Co., Outpost Archipel, 1

S. candida Frege.

Sask. 13 mi W. Pt. Albert (Bull 2043)

McKague () 946,971,555,145,14abc

Wallwork () 1045 (5 ft.)

colburn (1081 (3 ft) 421

Spalding (1205 (6/12))

Exodant 1) 21, 14d

Maple Valley, Cypress Hills (Breitung 4758) CRB

Alta () asms 5139, 5149, 5150 (GPO)

Marley Dist. Marley () "3474

Nordegg () " 3880

Calgary (C) inc 437, 437/a

Wesley () Mar, 6512 (5-6 ft)

Jasper OK, Maligne () Mac 9/

Digitized by eGangotri (http://www.egangotri.org) for Botanical Documentation

Barry White (R) Barry, () former 9,44, + 3 others
 J. S. S. () Turner 1233, 1264, 1300

BC Marble Mt. () 300 ft. Thompson 520

Indianapolis, 25 mi NE of Parkersville McCabe 294

11 12 4 11 11 12 Mol 1217, 1222

100-mile House
Clearwater, No. Thompson R. (Oct 20 & 30 m n / Campsites
2120, include 2151, 2153

2120, 2140, 2151, 2153

2120, 2140, 2151, 2153

S. cand. Lennkata

Sank Colburn () 1083, 24
Makiazhe 4 a, b

Makaghe

Scand. tennesseus

Dark column (1) Apr 1082

Scandinavian OVER State Lists

Mich.

Chibougan Co. Mackinac Is 3
Itasca Co. (Kapp) - Indian R (Wulp 1)

Barton Lake 15, Vicksburg Creek, 3

Emmet Co, Cecil Bay (Wulp) 3

Luce Co. Newberry Bull 1, swamps

by C.K. Dodge swamps, chap, potential
Alger Co., Minn. swamp, tamarac emp. 1

Chibougan Co. Chibougan 1

Chippewa Co. Vermilion 1

St. Clair Co. Port Huron Co

Ind (map) no 15th

Lake, Porter, Tipton, Marshall, Stark Co. - NW

Kosciusko, Lagrange, Noble, Schuette, Whitley Co. no

W. sec. Ozark Co (SE) Co. no or Milwaukee

Marquette Co. Monticello (Tassie)

Dodge Co. Reynolds, Lorraine 1

Deerfield, SD me. Ind.

SD. PND Burke Co (Smother 2, 5 me no Power Co) Holbrook
Benson, me. Penn Co (have seen spec. like)

var denudata

Mich. Chibougan Co. Chibougan - Indian R. (Wulp 1)

Emmet Co, Cecil Bay (Wulp 1)

Roberts Co. Sweeton, Dyer 2
Marshall Co. Ind. 2 - Dyer

ny. Madison Co. Peterboro, N.H. 14161
 " " Portsmouth House
 FISCAL BRANCH ACCOUNTS FI 511.4

Worcester Co. Adams Falls, N.H. (8041) 14402
 Ohio: Issego says "Castalia prairii"
 and Wyandott Co. (one to me)
 8041 Direct Losses - Price Support

This account reflects losses on price support programs where delivery of commodities is not required in accordance with the terms of the controlling agreements. The balance of this account shall be closed into Account No. 6901, "Profit and Loss" at the end of each accounting period.

Debit:

- (1) Amount of direct payments to producers.
- (2) Amount of advances or the principal of loans liquidated.
- (3) Amount of interest purchased liquidated.
- (4) Amount of credit balance, if any, at the end of each accounting period.

Credit:

- (1) Recovery of such direct losses.
- (2) Amount of debit balance, if any, at the end of each accounting period.

record from
 Aug. 1941

Digitized by Hunt Institute for Botanical Documentation

Sea Fremont Co. Hamsy's Lake Christ 5534
 Mont Flathead Co. so of Columbia Falls, Wyo.
 nr Helena Nat F, Wyo. 349 (FS)
 5200 ft. White 355, 75
 Shinarump Nat Pk, grand canyon of color
 Stanley 15724, 16, 389, 16785
 16906, 17451, 17457
 16052, open underst
 Comm. Litchfield Co. Cornwall, Norfolk +
 (Revised: 2-17-47) FFI-64 Salisbury

Vt. seed bags, rare (Jul 187)

S. Candida var. tennesseensis Fern

Ont. Jan Ferry, Morrison (1)
Lawrence R. m. 1

Digitized by Hunt Institute for Botanical Documentation

S. Candida denudata Anderson

Ont. George R. C. C.

Rim

Gray M. W. George R. C. C., Que. to Conn. & Wis.

N.Y. Madison C. Peck, 1857, Howard House 14159

S. cryptochonta Fern
Newfoundland, NW

Que. WC, sa Lake Mistassini 1

S argyrocarpon And

Labrador to main (com) (30 of E. Myford
SE (Eagle R, near Castwight) On 12 17

Maine not Katchadin.

Gray Man: Lab to highest mtns of Que, Me & NH

Que. IV shore St. Lawrence R. ^{58.15} Shekatica ^{57°10} e. to Blanc Sablon
= (Labrador)

Que. Gaspe Penin (Cos. Gaspe, mtns, mtns, Pen. Témiscou
No shore St. L. R. Ledge & rocks, mtns, mtns, mtns
area, Shekatica e. to St. Basile, in Laurent
E shore Gas Bay (51°-54°) 2 at St. Georges 54°
SE shore Hudson B (54°-56°) 1 at 55°15' - 56°10' U.I.

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Labrador

SE Coast to 55 Red Bay 51°43' (1) Set Hut 54°50' (1)

EC Coast to 58°: Hopedale 57°41' Windy T (55°46')
Sario Inlet (55°52') Cape Myford (57°55') 0

NE Coast to 61°

NH. Coos Co (White Mts) Oakes only

S. argyreaarpa?

Mich

SALICACEAE. (p. 206)

Salix alba Lin. is occasional on shores of Orion Lake.

Salix humilis Marsh. var. Keweenawensis. A low form growing amongst rocks. Young leaves rotund, mature broadly obovate, densely tomentose; resembling those of S. Nuttallii Sarg. (S. flavescens Nutt.), but broader. Keweenaw County.

S. argyrocarya Anders., a small shrub, about six inches high, with oblanceolate leaves, silvery-silky underneath, was collected in Keweenaw county in 1889. It was found growing in the crevices of rocks on bluffs. Rare.

= Subsericea ??

S. cordata Muhl. var. angustata (Ph.) Anders., is frequent at Detroit and Ypsilanti. It is the form with narrow leaves tapering to an acutish base.

Salix pentandra Lin. near Rochester. Frequent in swamps and bears fruit in September.

Farwell, O. A.,
Contributions to the Botany of Michigan, No. 8,
Annual Report of the Michigan Academy of Science.
6:200-214. 1904.

S. pellita, Anderson

Labrador to Pigilet (S. of Marin
Lesser Bay (53°20' N) 1

N.S. Cumberland Co. 1

Name: Frequent no, less south
Gray Man. July St Lawrence Lake St John, Que., to Winnipeg,
so to me vt.

Ont. Jas Bay Mosson 2
W side " " 51°56' Attawapiskat 1
54°20' Lake R. 2

Que. Gaspe Penin. (Chic Box Mat Rm
2 1 1 2

Isatimaw Co (Camp Dorsal) 1
SW (50° 48' 20" - 51° 14' 20" Huronian R. 2

WC, So. Lake Mistassini 2 Rupert Bay 1
E shore, Jas. Bay (51-54°) 6 from 51°30' - 54°
So of James Bay, Nottaway R (51°15') 1

SE. shore Hudson Bay (54-56°) 2 at St Wt. R 55°15'
N. Ungava, Larok R (SW of Ungava Bay) 2

N. shore St L. R (Augustine to Blanc Sailor
Mon. Warren dy but prob. com. north (Long)
only spec.
railway House, the corner Fr. Wm. Samson 1

Johna prila Schn
Name: locally plentiful, no as Arasstock A (K)
Much: Ruse Co (no pen) Lahquamenon R. nr Newberry
metals 2301 in 1922

S. pellita f. psila Schw

Que. Gaspe Pen. Montapedia!
Mistassini Lm. Sakwa R.
51° 20' N. 72 41' W. 1

S. planifolia

Lowmaki R. 1

Ont. Jas. Bay (50) Macdonell 1, 1, 1, 4
W side " " 54°20 Lake R. 1

Quebec

(54°48 Long 21°) 1
SE shore (55°-58°) 55°17 (St. John's 2, Tschm. 56°10 1)

Int.

Bay EC Shore (to 600) 58 15 (1)
EC Inland, Seal R. + Larch (Melogee R. 56°40-57° N 70-71° W 7)

Que. Gaspe Penin. Cos.

Gaspe Matap. 2, 1, 7 1

SE on No. shore, near Lab. 9, Huronian R. 1

SW, on S. of Jas. Bay 48°20 56
WC, so Upper Rupert R. + Lake Mistassini 4, 3,

SE shore Jas. Bay (56-55°) 11 at 52°05 (3) 54 (2)

54°27 Cape Jones (1) 52°30 (1) 52°40 (1)

Rupert Bay, Grand Back R.

No. shore St. L. R. Natashquan R. (62°) 2

Labrador:

SE Coast to 55°: Ted Bay (51°34) 1 Cartwright rare
Settler's Hut (54°50) 1, Hamilton Lake 1
(51°43-54°50) (8)

EC Coast to 58°: Markovits (55°14) 2; Hagerdahl
Windy T. (55°46) 1, 2, Ft. Manvers (56°58) 1, 1 (55°27) 2
Cape Mungford (57°55) 1, 3 55°52 (2)

St. John's Co. (212), Mt. Mansfield Bag 187.

Maine: Rare. Mt. Katahdin (Central) - Walden (100) 1
Gray. Mann. (Sphyrapicus) Lab. to Alaska, sat. also. clus.
Chateau Bay 1 (Dut 1938)
Que. Me. N.H. + Ut.

S. planifolia Ph.

Mask. St. Slave Lake, Yellowknife Bay
" " " " (pubescent twigs)

~~Sask.~~ Prince Albert, (13 m. W. Tamarack swamp) B. & P.

Alta. So. Water town Lakes Pk. 1, Banff 1 Calgary 1
B.C. Umbagog Lake, 2. (McCall)

S. planifolia v. Nelsoni, Ball

Ont. Jas B, Moosonee, 1.

W side Jas B. 55° 15' N, 85° 15' W, Wrenuk 1

Lab, Cartwright (so, rare)

Ungava Bay, Koksak R. H Chomo, 1

Que SE shore Hudson Bay (54-56) 1 at Richmond Gulf 56° 10'

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Mack Bathurst Inlet, 67° N, 108° W, 1

Alta. Calgary, 1.

Spedunculata Fern

Newfoundland, N.W.

Extended so from St. Pierre Isle to Point Riche
from 12 35: 243

Lake Mistissini (R.R.V. (L.R.B.))

Gaspé Penin (Fern. as *S. phyllofolia*)

Lab. to Cape Mayford (57° 55' N)

S. petiolaris Sm

Maine Thoroughbred exs. NW part (Hyl)

Gray Man. NB to St John region, + Man. So to Tenn.

Vt. Orleans Co., (no) Wellington T. (Bul 187)
Sharn of Lake Champlain " "

Que. Yamaska Co ^{Montreal!} (S. side St L. above Montreal)

No side St L. Laurentians 50 mi NE. Mont rare!
Terrebonne Co. Lac dore!
Abitibi Co. SW. Laurentides Gabels 1

Ont Ottawa dist Marshall (.), Ottawa R, Pomona G. /
James Bay

Digitized by Hull Institute for Botanical Documentation
Armstrong, ^{Macdonald} (Dutcher)

Man. Frequent, east; local westward (Mord, P. B. B. B.)
Deer Lodge, T. W. 1, It Remy 2
Norway House, T. W. (Sawson 1)
Kormash SW " " (Charley)

S. petiolaris var. rosmarmoides (And.) Schm.
Maine, local with the sp. so central (V. G. P.)

S. subsericea

S. sericea Marsh

Name Common throughout (except Lincoln & SC) N.Y.
Gray Man, N.B. & Mich.

N.S. Yarmouth Is. app. rare in W. 75 (Fenn)

S. coactilis

Me. Groton Co. Penobscot Co (Gray)
(local + infrequent. 9 Can (part of) except SE
Gray Man. 20 John + Penobscot R., Me.

New Brunswick, Kings Co. (Gray)

2 discolor

P.C. Chinton (14.6 mi S.W.) McCabe 981

No. of Kamloops 70.7-72.6 mi

No. Thompson R. McCabe 1040, 1042, 1043
10 + 80 mi N. of Kamloops

Blackpool McCabe 1899, 1908,

Clearwater " 2086, 2087, 2088, 2111

Kamloops (8-12 mi N) 1979, 1981

S. discolor Muhl

N.B. Common (Rapp. 879)

N.S. com, incl *S. latifolia* + 2 *prinosides*
(also var *regidiuscula* Auct.)

Name = Common to abundant: Gray (no dist)

Ont. Com (Ottawa D)

Jan R. Mason 2, 1, 2

Ottawa Dist 5 (Carlton Gatineau, Russell Co)

Kenora 1,

Que. Gaspé Penin (Cos. Chic. Montg. ³ Montg. Rim 1, 2, 1)

Katimian Co. Baskatong 1

No shore St Lawrence R. Common Montg. Is. St. Genevieve / Stg
No side S.S. 50 mi NE Montreal, 12 Laurentides R. 1

St. Lawrence Bay 51-54, 4 at 51-50 to 51-2

SE shore Hudson R (54-56°) 1 at Richmond Gulf 56°10

Terrebonne Co 1

Chamblé Co (near Montreal) 1

Lake Montserrat 2

Man. 4 by Brook (L. C.R.B.)
Common in prairie (Rapp.) 15

S. discolor v. latifolia And
Maine (no det.)

Ont.

Que. Gaspé Pénins. (Cos. Rim.
Quebec Co., Montreal, Zeneborne G. 1'
SE shore Hudson Bay (54-56) / at Richmond Gulf 56)

Digitized by Hunt Institute for Botanical Documentation

S. discolor v. pernoides Ph.

Que. Gaspé Pén. Cos.

Rim.

No Side St. (50 mi N. of Montreal)
Mont Laurier - ~~pernoides~~ 5; Montreal 1,
Mar. Wickers Top. 6. Winnipeg 1, in 3 months (1)

BC, Nelson, Kootenay Lake

S. discolor var. ovari Ball. B
Maine with the sp. in 4 Cos SE - SE

S. humilis Torrey

Newfoundland, S.E.

N.S. common

288 common (Rept 1829) dry barrens 4-6 ft.)

Que. Gaspé Penin. (Co.)

Beauce Co. (East Broughton) 1, Terrebonne Co. 1,
Brome Co. 1, Saguenay Co. (Les Etchemins) 1,

Satouan Co. (Back along, Grand Remous) 2
Sous-Camague Co. 1

Pinn. Tern
7, 9 2

No. side St. J. (50 mi N. Mont. J. Lauriat 18
Mont. J. Lauriat, apparently throughout (S. J.)

Mont. J. Lauriat - Semetere 1, 17, 13, 2, 10, 20, 24, 8 (5)
Alfred Co. (Val d'Or) 1

Haske Metastasi (51° N) 1, Mich. area 51° 20' 72' 41"
T.E. Sakwa (12)

Labrador

SE Coast to 55° (High St. 52° 12', 11°)

Long Seal, 56° 30' N, 74° 0' W. S. L. 14427

San Claire (Clearwater R.) 56° 7' N, " 14372

Maine: com. to abundant throughout

Gray Man ref. to Minn. + N.C.

S humilis

Sask. MacFergus () 1938 1734, 1463, 1500,
 Nipawin () 1430, 1436,
 Nipawin () 1463 (3 ft), 1469 (6 ft) 1500 (6 ft)
 C

Digitized by Hunt Institute for Botanical Documentation

var regidenscula
 Sask Nipawin () 1938 1436

S. humilis var. rigidiuscula And
N.S. genl but less com.

Gray, Morr. Ohio to Ga & Kan.

S. humilis var. grandifolia And.
(5 fr. between Madison & Fern)

name: with the spec. (E. & L. 1/4 ft)

N.S. widely dist. Fern.

most of material from Maritime Prov. & N.Y.
belongs to this var.

S. trichos Arton

Maine, Northeast Harbor, Hancock Co. (S.E.)
"perhaps introduced"

Essex Man. N.E. to Monm. & so, mostly nr coast.

S. Bebbiana v. caprifolia Fern.

Que. Gaspe Penins.

Gaspe Pen. Cos (?)

(Hoselmer 3684 in CRB)

Rim Jamie

W.S. Digby Co. (Fern. Rhod) 23:257

Digitized by Hunt Institute for Botanical Documentation

S. Bebbiana v. luxurians F

Que. Gaspe Pen. Cos (

Rim
8

(Fern. et al 991 (CRB) has lvs pubescent
but the older becoming glabrate)

S. Sebiana var. *perrustrata*
Newfoundland. M. (Fern. Bot. in N. Y. Bot. 28.)

One. SE, on Moose, near Lab. 1

Man. ^{Deer Lodge} (Winnipeg). 1 n/922