

Appendix 2. Herbarium specimens examined. Collection data are presented in the order: Country. Administrative unit: Lower administrative unit when available, location information, collection date, collector information (herbarium code). var ? = the specimen was too deteriorated or immature to determine variety.

Bolboschoenus robustus (Pursh) Sojak

U. S. A. **Georgia:** Chatham County, North side off Hwy 25, marsh between Front River and middle River, ca. 300 meters west of Middle River, 16 Aug 2011, *D. Shiels 37* (CMC).

Fuirena breviseta (Coville) Coville

U. S. A. **Florida:** Ware County, Southeast of Waycross, ca. 2 miles from intersection of Hwys. 123 & 177. Damp area on west side of road (Hwy 177), 12 Aug 2011, *D. Shiels 37* (CMC).

Isolepis humillima (Benth.) K. L. Wilson

AUSTRALIA. **Queensland:** Lakefield National Park, 5.5 km west of New Laura Ranger Station on Caulders Lake, 02 Aug 1987, *J. R. Clarkson 7,317* (P). **Northern Territory:** Arnhem Land, South Alligator River, 5 July 1856, *F. Mueller s. n.* (MEL). South Alligator River, 5 July 1856, *F. Mueller s. n.* (K)

Pseudoschoenus inanis (Thunb.) Oteng-Yeboah

SOUTH AFRICA. **Northern Cape Province:** Namakwa District, Nieuwoudtville, Oorlogskloof Nature Preserve, 31 Jul 2000, *W. A. J. Pretorius 421* (NBG). **Admin unknown:** 1898, *C. F. Ecklon & C. L. P. Zeyher 152* (MO).

Schoenoplectiella articulata (L) Lye

GHANA. **Greater Accra Region:** Ada Road, 43 miles from Accra, wet mud, 5 Jan 1952, *J. K. Morton G. C. 6,324* (NY). INDIA. **Karnataka:** Hassan District, Mysore, 6 miles before Arsikere on Tiptur-Arsikere road, 22 Oct 1971, *D. H. Nicolson, S. S. Hooper, C. Saldanha, K. N. Gandhi 2,192* (NY). Mysore, around marshes. Road to Belu, Hassan-Belur road, 22 Jan 1970, *C. J. Saldanha 16,096* (MO). Dist. unknown, Dakshina Kannada, 28 Dec 1979, *Cecil J. Saldanha 10,608* (NY). KENYA. **Coast Province:** Tana River District, Pools about 2km. S. of Ngao and seasonally damp areas at margin, edge of pool, 1 Mar 1977, *S. S. Hooper, C. C. Townsend 1,131* (NY). SRI LANKA. **Eastern Province:** Koddiiyar Pattu District, northern shore of Ullackalie Lagoon, ca. 1.2 miles E of Toppur, tufts in shallow water of small temporary pool, 20 Feb 1971, *Tetsuo Koyama, N. Balakrishnan 14,057* (NY). **North Central Province:** Anuradhapura District, Anuradhapura, Basawakkulama Tank, in wet soil near water margin, 31 Oct 1974, *Gerrit Davidse, D. B. Sumithraarachchi 8,163* (MO). **Northwestern Province:** Batticaloa District, Growing in large pure colony in shallow pool in huge open sedge swamp, near the sea level, Wilpattu National Park, Menikepola Uttu, 24 Mar 1968, *Tetsuo Koyama 13,457* (NY). Puttalam District, Growing in large pure community in shallow water along margin of large pond. Wilpattu National Park, Manikepola Uttu, 24 Mar 1968, *Tetsuo Koyama, T. Herat, R.*

Cooray 13,457 (NY). Wilpattu National Park, Uduppu Villu, ca. 1.5 miles S of Moderaganga River, ca. 120m alt., 28 Jan 1971, *Tetsuo Koyama, A. H. M. Jayasuriya 13,970* (NY). TANAZANIA. **Tanga Region:** Pangani District, On edge of salt water. Mwera Chiefdom, Kipumbwi Section, 9 Aug 1955, *R. E. S. Tanner 2,035* (NY). COUNTRY UNKNOWN. **Admin unknown:** 30 May 1915, *A. Peter 10,492* (NY).

Schoenoplectiella dissachantha (S. T. Blake) Lye

AUSTRALIA. **Northern Territory:** Dist. unknown, Alice Springs, 14 m. S. Rabbit Flat, 21 Jul 1973, *P. K. Latz 4,067* (NY). **Queensland:** North Kennedy District, Near Mt. Woodhouse, SW of Ayr, in dry muddy bed of waterhole, 5 Oct 1950, *S. T. Blake 18,659* (MO). **South Australia:** Algebullcullia Creek crossing on Coober Pedy-Oodnadatta road via Mt. Barry Homestead, c. 65km by road NNE of Coober Pedy, 14 Mar 1984, *N. N. Donner 10,046* (MO).

Schoenoplectiella erecta (Poir.) Lye **subsp. raynalii** (Schuyler) Beentje

AUSTRALIA. **New South Wales:** Dist. unknown, 0.5 mile (.8km) N. of Menangle Park. N.S.W. railway station in railway land, 11 Apr 1971, *E. J. McBarron 20,119* (MO). BOTSWANA. **North-West District:** An island 4.1km SW Chief's Camp, Chief Island, Okavango Delta, 11 Jun 2010, *A. and R. Heath 2,037* (K). 2.25km SSW of Chief's Camp, Chief Island, Okavango Delta, 11 Apr 2011, *A. and R. Heath 2,032* (K). MEXICO. **Admin unknown:** 1 Feb 1980, *M. Sousa, R. Talamas, A. & Ernan Tuz, O. Tellez, E. Cabrera 11,042* (MO). SOUTH AFRICA. **North-West Province:** Bojanala District, 2km from turnoff to Phelendaba on Mbazwana road, pan SE from site. At edge of pan in loose sand, 4 Dec 1985, *G. Germishuizen 3,615* (MO). U. S. A. **Florida:** County unknown, Low grounds, Indian River, Florida, No Date, *A. H. Curtiss 3,118* (MO). **Georgia:** Baker County, pond margin, Hwy, GA 37, 3.75 miles west of Newton jct. Hwy. GA 200 and Hwy. GA 37, 6 Aug 2009, *R. Carter 19,343* (CMC). Decatur County, Sandy shore of open pond, 12 Aug 1901, *Roland M. Harper 1,203* (NY). Sandy peat of drying shore and shallows of shallow pond in live oak, E side of Bainbridge by US 84. forming mats, 13 Oct 1991, *R. Kral 80,042* (MO). **Texas:** Aransas County, Copano Bay, 26 Oct 1931, *B. C. Tharp 9,170* (NY). Kleberg County, Padre Island, 15 Mar 1929, *B. C. Tharp s. n.* (NY). Nueces County, Nueces County, Flour Bluff, Waldron Field, 0.3 miles E of Jct. Flour Bluff Drive and Yorktown Blvd, 11 Sep 1992, *Richard Carter with Bill Carr 10,589* (NY). San Patricio County, Naval Station Ingleside, scrub oak-red bay woodland in system of coastal duens and swales, 11 Sep 1992, *Richard Carter with Bill Carr 10,572* (NY). County unknown, Moist ground. Along highway No. 96 from Wallacy boundary North, 17 Oct 1938, *Robert Runyon 1,939* (NY). County unknown, Moist ground. Along highway No. 96 from Wallacy boundary North, 17 Oct 1938, *Robert Runyon 1,939* (NY).

Schoenoplectiella fuscorubens (T. Koyama) Hayas.

NEPAL. **Dhawalagiri Zone:** Baglung District, Dhorpatan, open bogs, 11 Jul 1954, *Stainton, Sykes, Williams 3,461* (NY). **Dhawalagiri Zone:** Mustang District, Taglung. (S. of Tukucha) Kali Gandaki, in pond, 10 Jul 1954, *Stainton, Sykes, Williams 1,687* (NY). **Janakpur Zone:** Dolakha District, Jiri, on open grassy field, 6 Aug 1977, *K. R. Rajbhandari, B. Roy 2,083* (NY). **Janakpur Zone:** Dolakha District, Jiri, on open grassland on wet place. Spikelets greenish-

brown. Plant forming colony, 6 Aug 1977, *K. R. Rajbhandari, B. Roy* 2,085 (NY). **Rapti Zone:** Middle Hills District, Below Lunh, Bheri River, 8 Sep 1952, *O. Polunin, W. R. Sykes, L. H. J. Williams* 3,263 (NY). **Rapti Zone:** Rukum District, Rari Jyula, Alt 900m. On swampy place near rice field, 18 Sep 1982, *K. R. Rajbhandari, K. J. Malla* 6,587 (NY).

Schoenoplectiella hallii (A. Gray) Lye

U. S. A. **Illinois:** Cass County, Cass County, W side US Rt. 67, 12.8 mi N of Morgan County line, Hobrock farm, 2 Sep 1998, *Steven R. Hill* 30,763 (NY). Mason County, Co. Rd. 1500E at east end of Sand Lake, ca. 2/3mi. N of inter. County Rd. 1500N, or ca. 2.0 mi. SE of Havana, 13 Sep 1995, *Paul M. McKenzie, John Schwegman, Bill McClain, John Ebinger, Gerry Bade* 1,661 (NY). **Kansas:** Harvey County, 2 mi. N., 3.5 E. Burton, roadside ditch, 23 Jul 1969, *Steve Stephens, Ralph Brooks* 34,799 (NY). Reno County, Medora, 1.0 mi N W. Highland Estates and Country Club, at edge of pond in sandy soil, 30 Sep 1993, *Craig C. Freeman* 5,745 (NY). **Michigan:** Allegan County, Allegan State Game Area, section seven marsh, 12 Sep 2010, *D. Shiels and M. Penskar* 19 (CMC). Muskegon County, Egelston Twp., sandy shore of pot hole pond 200 yards from west end of E. Carr Lake, 20 Aug 1974, *John A. Churchill, M. D.* 73,822 (NY). **Oklahoma:** Comanche County, Wichita Mountains National Wildlife Refuge, Grama Lake, draw-down mud flat all the way around the lake, 10 Sep 2000, *L. Magrath, B. Timberman* 21,316 (NY).

Schoenoplectiella juncea (Willd.) Lye

GHANA. **Greater Accra Region:** Prampram, E. P., damp sandy ground behind sand bar, 1 Nov 1951, *J. K. Morton G. C.* 6,154 (NY). **Greater Accra Region:** Ada Road, 43 miles from Accra Standing water on plains, 5 Jan 1952, *J. K. Morton G. C.* 6,320 (NY). TOGO. **Martime Region:** Bas Mona, 1.3 Km West of Seko, 9 Nov 1985, *P. A. Schafer* 8,656 (NY).

Schoenoplectiella juncooides (Roxb.) Lye

CHINA. **Admin unknown:** Xiang Bin, 7 Nov 1999, *D. W. Liu* 9,983 (MO). **Gansu Province:** Ye Cunsu, 12 Oct 1998, *D. W. Liu* 9,594 (MO). **Guangxi Zhuang:** Xiang Weizhons, 27 Oct 1998, *D. W. Liu* 34 (MO). **Guizhou Province:** Jiangkou Xian, Xuefeng Shan on the S side of the Fanjing Shan mountain range, NW of Jiangkou, 4 Sep 1986, *B. Bartholomew, D. E. Boufford, Q. H. Chen, S. Z. Fang, J. G. Qi, S. A. Spongberg, Z. H. Tsi, Y. L. Tu, P. S. Wang, Y. H. Xiang, T. S. Ying* 876 (NY). Yinjiang Xian, along the trail between Zhangjiaba and Huguoshi on the W side of the Fanjing Shan mountain range, 25 Sep 1986, *B. Bartholomew, D. E. Boufford, Q. H. Chen, S. Z. Fang, J. G. Qi, S. A. Spongberg, Z. H. Tsi, Y. L. Tu, P. S. Wang, Y. H. Xiang, T. S. Ying* 1,671 (MO). **Jiangxi Province:** 10 Oct 1999, *Ye Cunsu* 12,571 (MO). **Yunnan Province:** , Gongshan, Binzhongluo Xiang, along but above the W side of the Nu Jiang, N. of Bingzhongluo on the trail to Shimenguan (Stonge Gate), 8 Jul 2000, *Li Heng* 12,095 (MO). JAPAN. **Fukuoka Prefecture:** Itoshima-gun, Maebara-machi, Shinden, alt. 2m, 23 Sep 1983, *N. Inoue, T. Hirano, S. Tsutsui* 25,932 (NY). **Fukuoka Prefecture:** Itoshima-gun, Maebara-machi, Shinden, alt. 2m, 23 Sep 1983, *N. Inoue, T. Hirano, S. Tsutsui* 25,932 (NY). **Kumamoto Prefecture:** Hitoyoshi Higo, 17 Sep 1960, *K. Mayebara* 6,551 (NY). KOREA. **Gyeonggi-do Province:** (Japanese form, Koryo, Keiki Do), 4 Sep 1949, *O Yongsok* 7,378 (NY).

MADAGASCAR. **Admin unknown:** Aluvistina?, 1 Jan 1945, *Herb. Stat. Ayui* 2,687 (NY).

NEPAL. **Dhawalagiri Zone:** Baglung District, Baglung, Alt. 3,000ft, in irrigation channels, 20 Apr 1954, *Stainton, Sykes, Williams* 65 (NY). **Gandaki Zone:** Kaski District, Argam, near Pokhara, Alt. 2,500ft, 22 Jun 1954, *Stainton, Sykes, Williams* 5,868 (NY). Lamjung District, growing in dry paddy, 2 May 1954, *Stainton, Sykes, Williams* 5,159 (NY). **Janakpur Zone:** Dolakha District, Kapre to Namdu, Dolakha District. Weed of rice field, 20 Aug 1977, *K. R. Rajbhandari, B. Roy* 2,359 (NY). Sindhuli District, Khireni gaon, near rice field, 21 Dec 1975, *P. R. Shakya, K. R. Rajbhandari* 3,327 (NY). **Karnali Zone:** Jumla District, Jumla-Garjankot, on moist and open place near rice field, 8 Aug 1979, *K. R. Rajbhandari, B. Roy* 4,391 (NY). Near Lumsa, N.W. of Jumla, growing among rice in paddy fields. Bracts brown with green median line, 10 Aug 1952, *O. Polunin, W. R. Sykes, L. H. J. Williams* 5,103 (NY). Kalikot District, Chilkhaya, on open wet place, 8 Jul 1979, *K. R. Rajbhandari, B. Roy* 3,078 (NY). **Admin unknown:** E. Nepal, 3 Jul 1972, *H. Kanai, H. Ohashi, K. Iwatsuki, H. Ohba, Z. Iwatsuki, P. R. Shakya* 724,016 (NY). **Admin unknown:** Marma Khola, growing in swampy meadow, 1 Apr 1952, *O. Polunin, W. R. Sykes, L. H. J. Williams* 1,831 (NY).

PHILIPPINES. **Luzon:** Manila Province, In water in rice paddies, near Wack-Wack Country Club, 3 miles east of Manila, 5 Aug 1945, *Clark T. Rogerson* 1,002 (NY).

TAIWAN. **Kaohsiung County:** Military Infantry School, Funghshan, Kaohsiun Hsien, 18 Dec 1960, *T. I. Chuang* 4,142 (NY). **Pingtung County:** Wanluan Hsiang, Ssukou River side, 30 Apr 2000, *Shing-Min Ku* 582 (NY). Suchungchi, 23 Apr 1978, *T. Koyama, M. T. Kao* 8,626 (NY). Pingtung County, Mutan, 2 Apr 1973, *C. C. Hsu* 14,371 (NY). Nanjenshan, 21 Apr 1978, *T. Koyama, M. T. Kao* 8,602 (NY). **Taitung County:** Chungpin, 28 Mar 2004, *Chien-Fan Chen* 2,304 (NY).

THAILAND. **Krabi Province:** Klongtom District, Ban Klong Rat, open, moist to wet places on and near the dikes of fallow rice field, 29 Nov 1986, *J. F. Maxwell* 86,987 (NY). **Northern Province:** District unknown, Chiang Mai, Mae Sanam. Pine Improvement Center, 21 Feb 1979, *Tetsuo Koyama, C. Phengklai, C. Niyondham, M. Tamura, H. Okada, P. J. O'Connor* 15,479 (NY).

U. S. A. **Hawaii:** Kauai, Koloa District, Lihue-Koloa Forest Reserve, Wahiawa Mountains. Along SE perimeter of Wahiawa Bog, low shrubby vegetation and boggy areas, 4 Apr 1991, *David H. Lorence with Tim Flynn* 6,748 (MO). Koaie Canyon, upper reaches of canyon, Growing in clumps along saturated stream banks, 31 Aug 1994, *K. R. Wood with S. Perlman* 3,465 (NY). Wahiawa bog, foot of Mt. Kahili, 2 Jan 1957, *Irwin E. Lane* 57-2 (NY). Wahiawa bog, foot of Mt. Kahilic, 2 Jan 1957, *Irwin E. Lane* 57-2 (NY). Hanalei Wildlife Refuge, taro fields rooting in mud, submerged or on waters edge, 24 Jan 1998, *K. R. Wood* 7,085 (NY). Alakai swamp, NE of Kokee, forming tussocks in and near standing water, 27 Dec 1956, *Benjamin C. Stone* 1,528 (NY).

Schoenoplectiella komarovii (Roshev.) J. Jung & H. K. Choi

COUNTRY UNKNOWN. **Admin. unknown:** 18 Sep 1956, *M. Furuse* 163 (NY).

Schoenoplectiella lateriflora (J. F. Gmel.) Lye var. *lateriflora*

AUSTRALIA. **Northern Territory:** Alice Springs, Goyder River Crossing, above billabong, 16 Jun 1972, *P. K. Latz* 2,816 (NY). BOTSWANA. **North-West District:** Savuti R. at crossing of road to Zibadianja. 18 Oct 1972, *G. E. Gibbs Russell* 2,134 (MO). CHINA. **Hainan:** Ya Xian, by side of farm, 4 Oct 1933, *C. Wang* 34,462 (MO). INDIA. **Karnataka:** Hassan District, Mysore, in partial or full shade, in shallow water, in paddy field, Konnanur, 11 Nov 1971, *S. S.*

Hooper, K. N. Gandhi HFP 2,424 (MO). **Maharashtra:** Nagpur, Umred., 4 Dec 1964, *V. P. Donde D38* (NY). **KENYA. Coast Province:** Kwale District, Gazi (50km S of Mombasa), from a grass and sedge vegetation in dune depressions, 15 Aug 1989, *Coppejans E. 8,327* (MO). **NEPAL. Rapti Zone:** Rukum District, Gija gaon, weed of rice field, 18 Sep 1982, *K. R. Rajbhandari, K. J. Malla 6,540* (NY). Gija gaon, weed of rice field, 18 Sep 1982, *K. R. Rajbhandari, K. J. Malla 6,548* (NY). **PHILIPPINES. Luzon:** Manila Province, Manila and Vicinity, 1 Oct 1913, *M. Ramos 21,970* (MO). **SRI LANKA. Eastern Province:** Batticaloa District, Wet sedge and grass margin or river near the mouth, Ottawady, opposite to Valaichchenai, swamp at confluence of small river into Mahaweli Ganga, 8 May 1968, *Tetsuo Koyama 13,581* (NY). **Northern Province:** Jaffna District, south shore of Jaffna Lagoon, ca. 8 miles SE of Poonaryn, occasional in sandy semi-dried out rice field, 18 Feb 1971, *Tetsuo Koyama, N. Balakrishnan 14,045* (NY). **Northwestern Province:** Puttalam District, Wilpattu Nat. Park, Plot no. 9, at margin of Kali Villu, 8 Jul 1969, *N. Wirawan, R. G. Cooray, N. Balakrishnan 984* (NY). Wipattu Nat. Park, Kuda Patessa, plot no. 4, partly submerged at the margin of the villu, 8 Jul 1969, *N. Wirawan, R. G. Cooray, N. Balakrishnan 1,017* (NY). Rare in shallow water of small sedge pool in swampy opening of tropical evergreen forest, Wilpattu National Park, Manikepola Uttu, 24 Mar 1968, *Tetsuo Koyama, T. Herat, R. Cooray 13,458* (NY). Wilpattu National Park, Kuda Patessa, plot W4, Partly submerged at the margin of the Villu, 8 Jul 1969, *N. Wirawan, R. G. Cooray, N. Balakrishnan 1,017* (NY). Small pool, Wilpattu National Park, Kuda Pathessa, 24 Mar 1968, *Tetsuo Koyama, R. Cooray 13,386* (NY). **TANZANIA. Arusha Region:** Monduli District, T. 2, Senato, Ngorongoro Crater Floor, 5,450ft alt, 14 Jul 1966, *P. J. Greenway, Kanuri 1,256?* (NY). **ZAMBIA. Southern Province:** Kalamo District, Kalungu Dambo, 100 km. E of Kasama, seasonally damp dambo, 17 Apr 1962, *E. A. Robinson 5,081* (NY). Monze District, Kabulamwanda, 70m N of Choma, dambo, 21 Apr 1955, *E. A. Robinson 1,248* (NY). **ZIMBABWE. Manicaland Province:** Chipinga District, pan near Chibuwe, around margin of pan, 1 Jun 1972, *G. E. Gibbs Russell 2,085* (MO). **COUNTRY UNKNOWN. Admin unknown:** 10 Sep 1884, *Masson s. n.* (NY).

Schoenoplectiella lateriflora var. *laevinux* (Lye) Hayas.

TANZANIA. Pwani Region: Rufiji District, Mchungu Forest, Coastal Forest on sand beside the sea at mouth of the Rufiji Delta, 2 Aug 1990, *Frontier-Tanzania Coastal Forest Research Programme 1,391* (MO).

Schoenoplectiella leucantha (Boeckeler) Lye

NAMIBIA. Hardap Region: Gibeon, Sudwestafrika. Farm Haribes, 11 Apr 1956, *O. H. Volk 12,327* (MO). **Karas Region:** Karasburg, Ariamovlei area, ca. 70km north of Ariamovlei, 27 Feb 1996, *P. M. Burgoyne, N. Snow 4,873* (MO). **SOUTH AFRICA. Northern Cape Province:** John Taolo Gaetsewe District, N. of Vanzylsrus at the Molopo river on the farm of Lover's Leap, growing by dried-up water hole in riverbed, 26 Feb 2000, *L. Smook 10,692* (MO).

Schoenoplectiella microglumis (Lye) Lye

TANZANIA. Tabora Region: Tabora District, south of Pozo Moyo, damp depression about 8km. from Kaliua, 22 Jun 1980, *H. & T. 2,106* (NY).

Schoenoplectiella mucronata (L.) J. Jung & H. K. Choi

CHINA. **Hainan Province:** Tung Koo Shan and vicinity, near Shan Hoi Village (Wen-ch'ang District), 4 Aug 1932, *H. Fung 20,454* (NY). JAPAN. **Wakayama Prefecture:** Kii, Shirahama, 1 Oct 1952, *K. Mihashi 19* (NY). **Yamagata Prefecture:** Scattered on wet red earth around a small spring, KII, Nagaitani Valley, nr. Shinjo, 15 Oct 1953, *T. Koyama 3,002* (NY). Scattered on wet red earth around a small spring, KII, Nagaitani Valley, nr. Shinjo, 15 Oct 1953, *T. Koyama 3,002* (NY). NEPAL. **Admin unknown:** 4 Dec 1963, *H. Hara, H. Kanai, S. Kurosawa, G. Murata, M. Togashi, T. Tuyama s. n.* (NY). SRI LANKA. **Northwestern Province:** Batticaloa District, N of Batticaloa, 16 Dec 1979, *Simon Laegaard 14,080* (NY). U. S. A. **California:** Butte County, Valley Grassland, common rice field weed, Peter Ahart Ranch, Honcut, 8 Sep 1980, *Lowell Ahart 2,592* (NY). Sonoma County, Knights Valley. Pond on east side of Ida Clayton Road just north of it junction with Hwy. 128. In shallow water along marshy margin of the pond., 15 Jul 1979, *Peter Rubtzoff, Lucy Blake, Nancy Harrison, Betty Lovell 9,290* (NY). Tehama County, Coyote Creek, ca. 5 miles S of Red Bluff, at crossing of Rawson Road, shallow water of the creek bordering the road, 8 Oct 1992, *Dean Wm. Taylor 13,263* (MO). Yuba County, about 50 yards N. of Fruitland Rd., NE of Marysville, bottom of a new ditch, 22 June 2007, *Lowell Ahart 14,223* (NY). **Delaware:** Kent County, Town of Smyrna, Lawndale Drive and Stadium Street, growing around the edges of sediment control pond, 9 Nov 2008, *Wayne D. Longbottom, Amanda Treher 12,382* (NY). Sussex County, Town of Lewes, Five Points, along DE Rt. 1D, Plantation Road (Road 275) at Salt Marsh Blvd, growing along the edge of a sediment control pond on the south corner of the intersection, 19 Sep 2008, *Wayne D. Longbottom 12,222* (NY). **Oregon:** Benton County, ca. 7 miles N of Corvallis in the E. E. Wilson Wildlife Area, 29,555 Camp Adair Road, Killdeer Corner, in marshy around pond, 20 Aug 2003, *Richard R. Halse 6,456* (MO). **Oregon:** About 7 miles N of Corvallis in the E. E. Wilson Wildlife Area, 29,555 Camp Adair Road, Killdeer Corner, 20 Aug 2003, *Richard R. Halse 6,456* (NY).

Schoenoplectiella multiseta (Hayas. & C. Sato) Hayas.

JAPAN. **Fukuoka Prefecture:** Swampy area at end of pond, Kaho Township, Futamata-zutsumi, 12 Dec 1982, *Sadao Tsutsui 24,625* (NY). Swamp along margin of a pond, Tsukushino, Shitami, 18 Jul 1982, *Sadao Tsutsui 23,174* (NY). Large swampy area along margin of a pond, Tsukushino, Shitami, 3 Oct 1982, *Sadao Tsutsui 24,103* (NY). COUNTRY UNKNOWN. **Admin unknown:** Swamp around a pond, 3 Oct 1982, *Sadao Tsutsui 24,104* (NY).

Schoenoplectiella orthorhizomata (Kats. Arai & Miyam.) Hayas.

JAPAN. **Aomori Prefecture:** On sunny exposed moist place at roadside, Aomori-shi, Komagome, Tashirotai, Chokichitai, W. of Kofuji-bashi Bridge, 29 Aug 2004, *Koji Yonekura 11,777* (NY). Sporadically growing in Sphagnum bog around Tanaka-ike Pond, Aomori-shi, Arakawa, Sukayu, Mt. Hakkoda Botanical Garden, Tohoku University, 27 Aug 2004, *Koji Yonekura 11,770* (NY).

Schoenoplectiella oxyjulosa (S. S. Hooper) Lye

CENTRAL AFRICAN REPUBLIC. **Bamingui-Bangoran Prefecture:** 19 km North of du Koukourou, 1 Sep 1957, *J. Trochain 10,530* (NY).

Schoenoplectiella patentiglumis (Hayas.) Hayas.

ZAMBIA. **Southern Province:** Choma District, Pangama, Mapanza, old water-hole in dambo, 20 Apr 1958, *E. A. Robinson 2,849* (NY). Mapanza, 9m S., edge of standing water, 20 Mar 1955, *E. A. Robinson 1,137* (NY). ZIMBABWE. **Matabeleland North Province:** Hwange District, Zibanini Pan, Wankie National Park, 27 May 1963, *A. S. Boughey 12,068 (dupl)* (NY).

Schoenoplectiella perrieri (Cherm.) Lye

MADAGASCAR. **Mahajanga District:** Mahajanga wet ground, 15 May 1912, *Karl Afzelius s. n.* (MO).

Schoenoplectiella praelongata (Poir.) Lye

AUSTRALIA. **Northern Territory:** MacDonnell Local Governing Area, Alice Springs, Warnga Pt. Elcho Is., seasonal Melaleuca swamp, recently dry, 7 Jul 1975, *P. K. Latz 6,140* (NY). **Queensland:** Cook District, Pond near track from "Elderslie" H. S. towards Morgan R., 6 km S of "Starcke", in shallow water, 6 Aug 1978, *A. Kanis 1,930* (MO). INDIA. **Delhi:** South West Delhi, Delhi, Najafgaih, 5 Sep 1954, *P. P. Sehgal s. n.* (NY). **Maharashtra:** Nagpur, Ceopaloam Talao, Umred, 8 Dec 1963, *V. P. Donde D2* (NY). **Tamil Nadu:** Coimbatore, Tamalkol-Godavera Dt., 26 Jan 1929, *G. V. Narayana s. n.* (NY). **West Bengal:** Kolkata, Dumdum-Belguriah, North of Calcutta, 19 Mar 1960, *H. Kanai, T. Tuyama 5,699* (NY). KENYA. **Coast Province:** Lamu District, 7km E. of Garsen towards Witu. One plant from mud at edge of pool, 6 Mar 1977, *S. S. Hooper, C. C. Townsend 1,231* (NY). MALAWI. **Southern Region:** Zomba District, Lake Chilwa Plain, edge of Lake, 14 Jul 1986, *E. A. K. Banda, W. Nachamba 2,646* (NY). PHILLIPINES. **Luzon:** Manila Province, Manila Luzon, No Date, *Merrill 268* (MO). ZIMBABWE. **Masvingo Province:** Mwenezi District, Urumbo Pan, between Fishans and Kapatenis, in mud at edge of small pan, 25 Apr 1962, *R. B. Drummond 7,713* (NY).

Schoenoplectiella purshiana (Fernald) Lye **var. purshiana**

CANADA. **Ontario:** Essex, Pelee Township, Lighthouse Point Provincial Nature Reserve, Pelee Island, 22 Sep 2001, *M. J. Oldham & K. Brodribb 27,223* (WIS). Muskoka, Bay on N side of O'Donnell Point, S. side of mouth of 12 mile Bay, Georgian Bay, 14 Sep 1999, *M. J. Oldham et al. 23,026* (QFA). Tweleve Mile Bay, 14 Sep 1999, *A. A. Reznicek et al. 10,991* (WIS). Nipissing, NW shore of Frontier Lake by MacManus Lake Road, Algonquin Provincial Park, 16 Aug 1989, *D. F. Brunton 9,223* (CAN). 18 Aug 1902, *W. Herrislt 54,631* (CAN). Nipissing, NW shore of Frontier Lake by MacManus Lake Road, Algonquin Provincial Park, 16 Aug 1989, *D. F. Brunton 9,223* (CAN). Parry Sound, North shore at portage inlet, O'Donnell Point Provincial Park, Georgian Bay Township, Aug 1979, *H. Simpson s. n.* (CAN). Renfrew, SE shore of Frontier Lake, 29 Sep 1998, *D. F. Brunton 13,832* (CAN). **Quebec:** Argenteuil, Canton de Grenville, Calumet, 9 Sep 1995, *M. Blondeau CA95,001* (MT). Canton de Grenville, Pointe-au-

chene, 18 Sep 2001, *J. Labrecque & G. Claude 01-109* (MT). Point-au-chene, 18 Sep 2001, *J. Labrecque & G. Claude 01-109* (MT). Calumet ouest, sur la pointe est du delta de la riviere Rouge, 17 Sep 1993, *Andre Sabourin et al. 1,139* (MT). Pointe orientale du delta de la riviere Rouge, 28 Sep 1989, *Andre Sabourin & Denis Paquette 379* (MT). Canton de Grenville, Calumet, 9 Sep 1995, *M. Blondeau CA95,001* (QFA). Calumet, 9 Sep 1995, *M. Blondeau 95-94* (QFA). Canton de Grenville, Calumet, 17 Aug 1994, *M. Blondeau CA9,445* (QFA). Canton de Grenville, Pointe-au-chene, 2 Sep 1997, *M. Blondeau & M. J. Oldham OUT-001* (QFA). Canton de Grenville, Pointe-au-chene, 2 Sep 1997, *M. Blondeau & M. J. Oldham OUT-001* (QFA). Canton de Grenville, Pointe-au-chene, 2 Sep 1997, *M. Blondeau & M. J. Oldham OUT-001* (QFA). Canton de Grenville, Port-au-chene, 16 Sep 1999, *M. Blondeau 99,017* (QFA). Canton de Grenville, Port-au-chene, 16 Sep 1999, *M. Blondeau 99,017* (QFA). Canton de Grenville, 3 km a l'ouest de Calumet, 17 Sep 1993, *A. Sabourin et al. 1,139* (QFA). Calumet, 9 Sep 1995, *M. Blondeau 95-94* (QFA). Canton de Grenville, Calumet, 9 Sep 1995, *M. Blondeau CA95,001* (QFA). Gatineau, 7km a Kasabazua, 3 Sep 1997, *M. Blondeau & M. J. Oldham OUT-009* (QFA). Lac Danford, ca. 7 km a l'ouest de Kazabazua, 3 Sep 1997, *M. Blondeau & M. J. Oldham OUT-009* (QFA). La Vallee-de-la-Gatineau, Kazabazua, lac Danford, 1 Aug 2008, *S. G. Hay & C. Morisset SH08-058* (MT). Kazabazua ouest, au nord-est du lac Danford, 6 Aug 2006, *Andre Sabourin et al. 2,662* (MT). Muddy shore of boggy pond, 3 Sep 1997, *M. J. Oldham & M. Blondeau 20,454* (WIS). Pontiac, Sus les sables du rivages de la riviere, 14 Aug 1933, *F. F. Victorin et al. s. n.* (CAN). Fort-Coulonge, 3 Sep 1997, *M. Blondeau & M. J. Oldham OUT-011* (QFA). Danford Lake, 18 Aug 1995, *J. Gagnon 95-28* (QFA). Fort-Coulonge, 3 Sep 1997, *M. Blondeau & M. J. Oldham OUT-011* (QFA). Port Coulonge, sur les sables mouilles du rivage de la riviere, 14 Aug 1933, *F. Marie-Victorin 43,708* (MT). Port Coulonge, sur les sables mouilles du rivage de la riviere, 14 Aug 1933, *F. Marie-Victorin 43,708* (MT). **Admin unknown:** Terre-Neuve, 19 Jul 1933, *P. Louis-Marie s. n.* (QFA). U. S. A. **Alabama:** County unknown, N. Ala., 20 Feb 1905, *G. R. Vasey s. n.* (VT). **Connecticut:** Fairfield County, Shelton, Shelton Reservoir, N of Shelton Ave., pond margin, 29 Jul 1999, *Steven D. Glenn & K. R. Gould 3,826* (BKL). Bridgeport, 31 Jul 1891, *L. N. Johnson s. n.* (BKL). Easton, Livermore Pond, pond margin, 28 Jul 1999, *Steven D. Glenn & K. R. Gould 3,722* (BKL). Pond, Trumbull, 14 Aug 1894, *E. H. Eames s. n.* (VT). Sand bars of the Yantic River, Franklin, 27 Aug 1907, *R. W. Woodward s. n.* (VT). Middlesex County, E. shore at S. end of Higganum reservoir, Ponset Brook, 9 Oct 1999, *D. F. Brunton et al. 14,450* (QFA). E. shore at S. end of Higganum reservoir, Ponset Brook, 9 Oct 1999, *D. F. Brunton 14,450* (WIS). New London County, Griswold, still cove of Pachaug Pond W of island S of the Route 165 causway, 8 Sep 1985, *G. C. Tucker 3,193* (NYS). Bozrah, Intersection of Route 165 and Gager Road, 1 Sep 1986, *G. C. Tucker 3,565* (NYS). Tolland County, Sandy strand of Hop River, 30 Aug 1957, *F. C. Seymour 17,631* (WIS). County unknown, muddy banks of Connecticut River, 20 Sep 1898, *C. H. Bissell s. n.* (BH). **Delaware:** County unknown, Greenbank, 13 Aug 1878, *A. Commons s. n.* (BH). **Georgia:** Bartow County, Muddy terrace along stream flowing into SE corner of Aubrey Lake. 6 mi N, 11E of Cartersville, 12 Aug 1951, *Wilbur H. Duncan 12,967* (NY). Hall County, Abandoned bottomland field along E. side of Chattahoochee River, 25 Sep 1955, *W. H. Duncan 19,502* (WIS). Murray County, Lake Conasauga, beaver pond margins, 10 Aug 2011, *D. Shiels 26* (CMC). Towns County, In shallow water lakeside 1 mile from Hiawasse, 14 Oct 1979, *V. E. McNeilus 20* (WIS). **Illinois:** Kankakee County, E-SE of Kankakee, 0.2 mile north of junction 16,000E and 3000S on east side of 16,000E, 26 Oct 1993, *L. R. Phillippe 23,396* (WIS). **Illinois:** Mason County, No Date, *D. L. Vasey s. n.* (CAN). County Rd. 1500E at east end of Sand Lake, ca. 2/3 mi. N of inter, County

Rd. 1500N, 13 Sep 1995, *P. M. McKenzie et al. 1,662* (WIS). **Illinois:** No Date, *D. J. Vasey s. n.* (WIS). Pope County, Lake Glendale, 17 Sep 1952, *W. M. Bailey & J. R. Swayne 3,014* (WIS). **Indiana:** Laporte County, Low sandy shore of Pine Lake, near Laporte, 13 Aug 1911, *C. C. Deam 9,588* (LKHD). Porter County, Wet sands, Dune Park, 22 Aug 1890, *E. J. Hill s. n.* (BH). Slough, Dune Park, 12 Sep 1899, *L. M. Umbach s. n.* (MIN). Slough, Dune Park, 12 Sep 1899, *L. M. Umbach s. n.* (MIN). Mineral Springs, 17 Aug 1917, *J. A. Nieuwland s. n.* (MT). Mineral Springs, 17 Aug 1917, *J. A. Nieuwland s. n.* (MT). Dune Park, 8 Sep 1908, *L. M. Umbach s. n.* (WIS). Dune Park, 24 Jul 1906, *L. M. Umbach 1,210* (WIS). Dune Park, 12 Sep 1899, *L. M. Umbach 10,495* (WIS). **Kentucky:** Ballard County, sandy terraces bordering sloughs in Ballard Waterfowl Mgmt Area, 22 Sep 1976, *Raymond Athey 3,658* (BH). Pulaski County, Small pond south of JY 192, ca. 2 miles west of bridge over Rockcastle River, just past Garson Cemetery, 10 Oct 1995, *G. W. Libby 1,318* (WIS). County unknown, Aug 1893, *T. H. Kearney Jr. s. n.* (CAN). **Massachusetts:** Barnstable County, Buck Pond, Harwich, 30 Aug 1918, *M. L. Fernald & Bayard Long 16,371* (CAN). 2 mi. SW of Forestdale, pond just S. of Snake Pond, 15 Aug 1971, *A. E. Schuyler 4,265* (WIS). Wood's Heoll, Aug 1892, *H. S. Pepoon 3,276* (WIS). Bristol County, Prospect Hill Pond, Taunton, 17 Sep 1935, *F. C. Seymour 4,457* (WIS). Essex County, Andover, Sep 1883, *H. H. Bartlett s. n.* (NYS). West Manchester, Aug 1877, *John Robinson s. n.* (VT). Franklin County, Highway drainage along Interstate 91, near Deerfield line, Whately, 6 Sep 1973, *H. E. Ahles 78,638* (NY). Hwy drainage along Interstate 91, near Deerfield line, Whately, 6 Sep 1973, *H. E. Ahles 78,638* (QFA). Hampden County, Gamache Pond, 14 Sep 2002, *Tad M. Zebryk 7,948* (BH). Swampy pond margin along railroad, Palmer, 24 Aug 1974, *H. E. Ahles 79,249* (PAC). Brown's Pond, Palmer, 25 Aug 1925, *F. C. Seymour 445* (WIS). 5 mile Pond, Springfield, 14 Sep 1927, *F. C. Seymour G537* (WIS). Swampy pond margin along railroad, Palmer, 24 Aug 1974, *H. E. Ahles 79,249* (WIS). Hampshire County, gravel pit near junction of Sylvester Road and Ryan Road, Northampton, 31 Jul 1977, *H. E. Ahles 84,429* (BH). Near junction of Sylvester and Ryan Roads, Northampton, 21 Aug 1977, *H. E. Ahles 84,710* (CAN). Shore of Connecticut River, Hadley, 2 Sep 1978, *H. E. Ahles 86,397* (MT). Near junction of Sylvester road and Ryan road, Northampton, 31 Jul 1977, *H. E. Ahles 84,429* (QFA). Sandy barrens, Plain Road, Hatfield, 17 Aug 1982, *M. F. Rohman 2,126* (QFA). Wet area on Chesterfield Road, NE corner of Westhampton, 20 Aug 1977, *H. E. Ahles 84,707* (VT). Pond, Hockanum Road near Connecticut River, North Hampton, 29 Aug 1977, *H. E. Ahles 84,774* (VT). Middlesex County, Border of Winter Pond, Winchester, 7 Oct 1917, *Walter Deane s. n.* (BH). Shore of Winter Pond, Winchester, 8 Sep 1905, *H. H. Bartlett 142* (BH). Muddy shore of Sudbury River, Framingham, 12 Sep 1913, *A. J. Eames s. n.* (BH). Winter Pond, Winchester, 9 Sep 1909, *A. J. Eames s. n.* (BH). Shore of Wayland Reservoir, 30 Jul 1908, *K. M. Wiegand s. n.* (BH). Pond, Winchester, 7 Oct 1914, *H. St. John 382* (BH). Winter Pond, Winchester, 8 Sep 1905, *H. H. Bartlett 142* (BH). Winter Pond, Winchester, 7 Oct 1917, *Walter Deane s. n.* (BH). Gravelly or sandy shore, Farm Pond, Framingham, 13 Sep 1911, *A. J. Eames s. n.* (BH). Border of Winter Pond, Winchester, 7 Oct 1917, *Walter Deane s. n.* (BH). Border of Winter Pond, Winchester, 7 Oct 1917, *Walter Deane s. n.* (BH). Shore of Winter Pond, Winchester, 16 Sep 1939, *R. T. Clausen & J. L. Edwards 4,112* (BKL). Sandy Shore of Winter Pond, Winchester, 22 Oct 1922, *H. K. Svenson s. n.* (BKL). Muddy Shore of Winter Pond, Winchester, 26 Sep 1919, *H. K. Svenson s. n.* (BKL). Winter Pond, Winchester, 8 Sep 1905, *H. H. Bartlett 142* (CAN). Wayland, Shore of Wayland Reservoir, 4 Sep 1911, *F. F. Forbes s. n.* (CAN). Winter Pond, Winchester, 8 Sep 1905, *H. H. Bartlett 142* (MT). Wayland, shore of Wayland Reservoir, 17 Sep 1911, *F. F. Forbes s. n.* (MT). Winchester, 25 Sep 1927, *Pire Louis-Marie s. n.* (NY). Winter

Pond, Winchester, 8 Sep 1905, *H. H. Bartlett s. n.* (NYS). Winter Pond, Winchester, 15 Sep 1906, *F. F. Forbes s. n.* (PAC). Wayland Reservoir, Wayland, 19 Aug 1911, *F. F. Forbes s. n.* (PAC). Winter Pond, Winchester, 8 Sep 1905, *H. H. Bartlett 142* (QFA). Wayland, Shore of Wayland Res, 4 Sep 1911, *F. F. Forbes s. n.* (VT). Winter Pond, Winchester, 8 Sep 1905, *H. H. Bartlett s. n.* (VT). Pond, 30 Jul 1892, *R. A. Harper s. n.* (WIS). Winter Pond, Winchester County, 8 Sep 1905, *H. H. Bartlett s. n.* (WIS). Walden Pond, 30 Jul 1892, *R. A. Harper s. n.* (WIS). Shore of Winter Pond, Winchester, 31 Aug 1892, *G. G. Kennedy s. n.* (WIS). Walden Pond, 30 Jul 1892, *R. A. Harper s. n.* (WIS). Shore of Wayland Reservoir, 17 Sep 1911, *F. F. Forbes s. n.* (MT). Norfolk County, Sandy shore of Massapoag Lake, Sharon, 7 Sep 1901, *E. F. Williams & M. L. Fernald s. n.* (VT). Plymouth County, Sandy Shore of Clear Pond, Lakeville, 26 Aug 1913, *M. L. Fernald 8,920* (BH). Plymouth County, Clear Pond, Lakeville, 26 Aug 1913, *M. L. Fernald & B. Long 8,920* (NYS). Worcester County, Bordering mill-pond now exsiccated, South Street adjacent to Burrillville, 27 Sep 1953, *W. C. Gates s. n.* (WIS).

Maryland: Garrett County, common, shore of Broadford Lake, N., jct. of Broadford & Old Deer Park-Oakland Rds., N. of Mountain Lake Park, Garret County, MD, Deer Park Quad, 24 Aug 1986, *Allison W. Cusick 25,733* (NY). Prince Georges County, Ammendale, 15 Sep 1916, *Brother F. Hyacinth 964* (BKL). Near W ed of Muirkirk Road, 0.3 mi. SE of I-95, 1 mi. NEW of Muirkirk, and 2 mi. N of Beltsville. Disturbed area with gravel pits and small ponds, border of small exsiccated pool, 11 Aug 1998, *M. T. Strong with R. Simmons, J. Parrish, L. Aronica 1,762* (NY). Along poweline righ-of-way paralleling E. side of I-95, seepage along shallow stream, 12 Jul 1999, *M. T Strong 1,967* (WIS). Patuxent Research Refuge, 31 Aug 1958, *G. H. Townsnead & W. T. Van Velson s. n.* (WIS). Swamp near Clintion, 29 Jul 1921, *Th. Holm. s. n.* (MT). Swamp near Clintion, 30 Jul 1921, *Th. Holm. s. n.* (MT).

Maine: Franklin County, Bank of Sandy River, 30 Aug 1904, *E. B. Chamberlain s. n.* (BKL). Bank of Sandy River, 31 Aug 1904, *E. B. Chamberlain s. n.* (BKL). Oxford County, Muddy riverbank, Fryeburg, 18 Aug 1950, *A. S. Pease s. n.* (VT).

Michigan: Allegan County, Allegan State Game Area, 36th St. marsh, 17 Sep 2011, *D. Shiels 61* (CMC). Berrien County, 1.5 miles N of Bridgman, 18 Sep 1991, *A. A. Reznicek 8,918* (WIS). Cass County, Magician Lake, 13 Aug 1915, *L. M. Umbach 7,376* (WIS). Schoolcraft County, abundant on recently exposed mucky-sandy bottom of Grass Lake, ca. 3 mi WSW of Thompson, 4 Sep 1981, *E. G. Voss 15,448* (LKHD). Van Buren County, on peninsula, north side of Knickerbocker Lake, 06 Sep 2011, *D. Shiels 60* (CMC). Wayne County, Wetland behind Meijer store on east side of Newbrush Rd., 23 Aug 1990, *W. W. Brodowicz 808* (WIS). Wetland behind Meijer store on east side of Newbrush Rd., 23 Aug 1990, *W. W. Brodowicz 808* (WIS).

Minnesota: Anoka County, Sandy north shore of lake, Bethel Township, 28 Sep 1940, *G. W. Moore & M. J. Moore 13,675* (MIN). Cass County, Sandy edge of small stagnant pond, approx. 2 miles west of Walker, 21 Aug 2002, *A. G. Harris 02-160* (LKHD). Chisago County, Wet shores of Chisago Lake, Centre City, 04 Sep 1889, *E. J. Hill s. n.* (BH). Center City, 28 Jul 1891, *J. H. Sandberg 670* (WIS). Clearwater County, Lyndecker Lake, Itasca Park, 17 Aug 1940, *M. F. Buell 2,014* (MIN). Crow Wing County, Brainerd, Aug 1850, *MacMillan & Sheldon s. n.* (BH). Brainerd, Aug 1890, *C. Macuillan & E. P. Sheldon 815* (MIN). Brainerd, Aug 1890, *C. Macuillan & E. P. Sheldon s. n.* (MIN). Brainerd, Aug 1890, *C. Macuillan & E. P. Sheldon s. n.* (WIS). Hennepin County, Minneapolis, No Date, *T. J. Hale s. n.* (MIN). Minneapolis, 3 Feb 1905, *T. J. Hale s. n.* (WIS). Isanti County, Small bog lake 2 miles NE of the crossroads known as Springvale, at campground, 25 Aug 1989, *B. Delaney 89,300* (MIN). Kanabek County, NW end of Pomroy Lake, ca. 6 miles north of Quamba, wet sand beach, 24 Jun 1988, *W. R. Smith 14,321* (MIN). Pine Lake County, NW of Sturgeon Lake, 31 Aug 1936, *J. K. Butters 6,735*

(MIN). Sturgeon Lake, 15 Aug 1930, *W. S. Cooper s. n.* (MIN). Ramsey County, Poplar Island Lake, Aug 1893, *E. P. Sheldon 6,091* (MIN). Poplar Island Lake, Aug 1893, *E. P. Sheldon 5,282* (WIS). **Missouri:** Washington County, YMCA of the Ozarks, 27 Sep 1990, *G. Yatskievych 90-423* (WIS). **Mississippi:** Marshall County, Wall Doxey State Park, 24 Aug 1993, *C. T. Bryson 12,750* (WIS). Wall Doxey State Park, 24 Aug 1993, *C. T. Bryson 12,752* (WIS). **New Hampshire:** Hillsborough County, Manchester, 11 Oct 1906, *Butcheldes s. n.* (VT). **North Carolina:** Alexander County, Rocky Face Mountain, 13 Oct 1961, *A. E. Radford 44,490* (PAC). Pool, Rocky Face Mnt, 13 Oct 1961, *A. E. Radford 44,490* (WIS). Avery County, Wet gravel bed, 1 mile north of Plum Tree, 24 Aug 1927, *K. M. Wiegand & E. Manning 634* (BH). Caldwell County, edge of thicket along stream 1 mile southeast of Hudson, 31 Jul 1922, *L. F. & Fannie R. Randolph 1,113* (BH). 1 mile southeast of Hudson, 31 Jul 1922, *L. F. & Fannie R. Randolph 1,113* (BH). Along stream 1 mile SE of Hudson, 31 Jul 1922, *L. F. & F. R. Randolph 1,113* (MT). Graham County, In shallow pools on granite, near old quarry below Santeelah Dam, on rd. to Joyce Kilmer Forest, 1/2mi. W. of US Rt. 129, 4 Aug 1951, *William B. Fox 5,083* (NY). Haywood County, Balsam Mountains, 27 Jul 1882, *C. H. Hall s. n.* (BKL). Macon County, Abundant locally in a seepage area, logging road thru cut-over hemlock-hardwood forest, base of Cole Mt, 15 Aug 1951, *R. K. Godfrey, J. E. O'Connell 51,879* (NY). Very abundant in marshy area, Harbison's Lake, Highlands, 26 Aug 1951, *R. K. Godfrey 52,122* (NY). Abundant locally in a seepage area, logging road thru cut-over hemlock-hardwood forest, base of Cole Mt, 15 Aug 1951, *R. K. Godfrey, J. E. O'Connell 51,879* (NY). Highlands, 16 Aug 1910, *A. P. Anderson 1,944* (MT). Pickens County, moist meadows 6 miles N-NW of Easley, 18 Sep 1938, *Robert T. Clausen & Harold Trapido 3,669* (BH). Polk County, Columbus, Aug 1899, *E. C. Townsend s. n.* (BH). Swain County, low ground, 5 Mar 1905, *H. C. Beardslee & C. A. Kofoid s. n.* (MIN). 5 Mar 1905, *H. C. Beardslee & C. A. Kofoid s. n.* (MIN). Along Blue Ridge Parkway at mile 463, 11 Jul 1982, *V. E. Mcneilus 18* (WIS). **New Hampshire:** Carroll County, Round Pond, Wakefield, 26 Sep 1942, *A. S. Pease s. n.* (QFA). Cheshire County, old pond on Richmond Road, 2 miles E. of Winchester, 1 Sep 1949, *W. E. Manning s. n.* (PAC). **New Jersey:** Bergen County, small pond 1.6km. SW of Ramsey, 16 Sep 1939, *R. T. Clausen 4,089* (BH). Hoppers Pond, 2km. West from Franklin Lake, 16 Sep 1939, *R. T. Clausen 4,089 4,112* (BH). On muddy shore, Hoppers Pond, 2km west from Franklin Lake, 16 Sep 1939, *R. T. Clausen & J. L. Edwards 4,112* (BKL). Mahwah, Bear Swamp Lake, pond margin, 4 Oct 2007, *Steven D. Glenn 10,981* (BKL). In mud on exposed boggy bottom of small pond, 1.6km of Ramsey, 16 Sep 1939, *Robert T. Clausen 4,089* (BKL). Tenafly, 4 Aug 1905, *H. Dautun s. n.* (BKL). Burlington County, Bed of pond 1/2 mi NE Delanco, 10 Sep 1932, *F. J. Hermann 3,808* (QFA). Cumberland County, swale, old mill pond out, Seeley, 29 Sep 1935, *B. Long 42,229* (QFA). Morris County, Parsippany/Troy Hills, 0.8 mi SE of Tabor, 11 Sep 2003, *Steven D. Glenn 8,707* (BKL). Morris Plains, Wet slough in disturbed area west of American Rd, 30 Sep 1990, *Leslie J. Mehrhoff 14,041* (BKL). Union County, Lake Surprise, Upper Swampy Area, 17 Aug 1936, *S. J. Smith & L. J. Kezer s. n.* (BH). Marsh at upper end of Lake Surprise, 17 Aug 1936, *L. J. Kezer s. n.* (BH). County unknown, No Date, *G. Scarborough s. n.* (BKL). **New York:** Delaware County, Opposite Hancock, 8 Sep 1939, *Wih. Dix 276* (BH). Essex County, Paradox Lake, 09 Sep 1882, *s. n.* (VT). Fulton County, Northville, 10 Aug 1913, *A. Olsson 137* (NYS). Greene County, In shallow tidal pool, on sandy island Duck Cove, Hudson River, 3 Sep 1936, *W. C. Muenscher 5,682* (BH). On tidal mud flat Hudson River, 27 Aug 1934, *W. C. Muenscher 4,419* (BH). Duck Cove, Hudson River, 3 Sep 1936, *W. C. Muenscher 5,682* (WIS). Jefferson County, Sacketes Harbor, Aug 1868, *Westminster s. n.* (BH). Nassau County, Smart Pond near Freeport, 7 Sep

1938, *W. C. Muenscher 6,922* (BH). In shallow water, Timber Lake, Wantagh, 5 Sep 1938, *W. C. Muenscher 6,923* (BH). In shallow water, Timber Lake, Wantagh, 5 Sep 1938, *W. C. Muenscher 6,923* (BH). Jones Pond, Wantagh, 5 Sep 1938, *W. C. Muenscher 6,924* (BH). Sandy shore of pond, Lakeville, 13 Sep 1901, *J. R. Churchill s. n.* (BH). Hempstead Lake State Park, Hempstead, 1 Jan 1977, *J. D. Zarudsky 4* (BH). Lake shore, Lakeville, Long Island, 25 Sep 1899, *J. R. Churchill s. n.* (BH). New Lots, 24 Aug 1898, *G. D. Hulst s. n.* (BKL). Shallow stagnant water, Milburn creek, Hempstead, 5 Oct 1934, *H. K. Svenson 6,395* (BKL). Baldwin Long Island, Aug 1899, *A. E. Hamilton s. n.* (BKL). Plattsdale, bog - border pond, 16 Jul 1921, *W. C. Ferguson 457* (BKL). Timber Lake, Wantagh, 5 Sep 1938, *W. C. Muenscher 6,923* (NYS). Lakeville, Hempstead, 13 Sep 1901, *J. R. Churchill s. n.* (NYS). Stream Reservoir, Long Island, 17 Sep 1905, *E. P. Bicknell 1,142* (NYS). Oragne County, Harriman State park, Queensboro Brook from circle to reservoir, 26 Aug 1993, *J. G. Barbour 1,297* (BKL). Harriman State Park, Queensboro Brook, 26 Aug 1993, *J. G. Barbour 1,297* (NYS). Harriman State Park, Kanawauke outle pond, 25 Aug 1994, *J. G. Barbour 2,306* (NYS). Sterling Forest, sand flats and pond NW of Blue Lake, 15 Jul 1998, *R. S. Mitchell et al. 9,733* (NYS). Rensselaer County, Troy, SE side of Belden Pond, 31 Aug 1997, *R. Ingalls s. n.* (NYS). Rockland County, Harriman State Park, Lake Wanasink, 22 Jul 1993, *G. C. Tucker et al. 9,026* (NYS). Saratoga County, Moist borders of Moreau Pond, 23 Sep 1961, *Satnley J. Smith 32,050* (BH). Moreau Pond, 23 Sep 1961, *S. J. Smith et al. 32,050* (NYS). Corinth, wetland between State Route 9N and Hudson River, 30 Aug 1983, *J. M. M. s. n.* (NYS). Suffolk County, Sound Avenue, Long Island, wet sandy soil, Hallock, 13 Aug 1939, *Roy Latham 8,520* (BH). In pond near Ronkonkoma, 17 Aug 1938, *W. C. Muenscher 6,925* (BH). Artist Lake, 6 Sep 1941, *W. C. Muenscher et al. 20,722* (BH). Artist Lake, Brookhaven, 16 Sep 1938, *W. C. Muenscher 6,926* (BH). Riverhead, 20 Jul 1932, *Roy Latham s. n.* (BH). Moist soil, Montauk, 13 Aug 1928, *Roy Latham s. n.* (BH). Swale, near Pond, Mattituck, 3 Aug 1962, *Stanley J. Smith et al. 34,333* (BH). Muddy border of Edwards Pool, Middle Island, 6 Sep 1931, *H. K. Svenson 4,685* (BKL). Moutauk, 5 Sep 1917, *N. Taylor 31* (BKL). Artist Lake, Brook Haven, 2 Oct 1936, *H. K. Svenson 8,194* (BKL). Wet place near ponds, Wading River, 30 Aug 1871, *E. S. Miller s. n.* (BKL). Artist's Lake, Middle Island, 24 Sep 1966, *A. M. Greller s. n.* (BKL). Moutauk, 10 Sep 1920, *N. Taylor s. n.* (BKL). Wading River, 30 Aug 1871, *W. H. Leggett s. n.* (CAN). Swamp, Montauk, 13 Aug 1928, *R. Latham 5,806* (MT). Long Pond, Wading River, Long Island, 16 Aug 1872, *H. W. Young s. n.* (NYS). Southampton, Egans Road, 16 Jul 1985, *R. E. Zaremba 2,712* (NYS). Brookhaven, Horn Pond, 25 Sep 1992, *R. E. Zaremba 9,417* (NYS). Swale near pond, Mattituck, 3 Aug 1962, *S. J. Smith et al. 34,333* (NYS). Southampton, House Pond, 12 Sep 1985, *R. E. Zaremba 2,710* (NYS). East Pond, Riverhead, 21 Sep 1941, *R. Latham 19,569* (NYS). Brookhaven State Park, Tarkill Pond, 10 Sep 2008, *K. J. Smith 091008-20* (NYS). Brookhaven, Randall Road Pond South, 17 Sep 2002, *S. Young 2,309* (NYS). Riverhead, Long Is, No Date, *H. W. Young s. n.* (NYS). Gardiner's Island, 15 Aug 1915, *R. Latham s. n.* (NYS). Hallock, Sound Avenue, 13 Aug 1939, *R. Latham 8,520* (NYS). In pond by Lake Ronkonkoma, 17 Aug 1938, *W. C. Muenscher 6,925* (NYS). Montauk, 13 Aug 1928, *R. Latham 5,806* (NYS). Laurel Pond, Laurel, 30 Sep 1927, *R. Latham 4,274* (NYS). Manor, Long Island, Aug, *C. H. Peck s. n.* (NYS). Ulster County, Tidal mud flat, mouth of Rondout River, Kingston, 5 Sep 1936, *W. C. Muenscher 5,681* (BH). Tidal mud flat, mouth of Rondout River, Kingston, 5 Sep 1936, *W. C. Muenscher 5,681* (BKL). Tidal mud flat, nouth of Roundout River, Kingston, 5 Sep 1936, *W. C. Muenscher 5,681* (NYS). Honk Lake, Napanoch, 21 Aug 1977, *S. J. Smith & E. Hehre 53,753* (NYS). Warren County, About 6 mi N. of Warrensburg, 27 Aug 1941, *H. D. House 28,145* (NYS). Washington County, Bank of

Battenkill, N of Shushan, 12 Sep 1909, *F. Dobbin & S. H. Burnham s. n.* (BH). Westchester County, In dried-out pool in a meadow, Crossriver, 13 Sep 1931, *H. K. Svenson 4,695* (BKL). No Date, *G. W. Clinton s. n.* (CAN). Yates County, No Date, *B. W. Tinker 3,102* (VT). County unknown, No Date, *H. H. Eaton s. n.* (WIS). **Ohio:** Lake County, Painesville, Mar 1885, *C. Wener s. n.* (BH). Licking County, Restored wetlands, Dawes Arboretum, Newark, 3 Oct 2007, *D. M. Brandenburg s. n.* (WIS). Restored wetland, Dawes Arboretum, Newark, 3 Oct 2007, *D. M. Brandenburg s. n.* (WIS). Pickaway County, Collected in a swamp at Dorney Station, 10 Oct 1948, *L. L. Pontions, Floyd Bartley 1,062* (NY). Pike County, locally common, wet ground, floor of old sandpit, NNE, jct. of Overly and Wickline Rds, 21 Jul 1999, *Allison W. Cusick 35,044* (NY). **Pennsylvania:** Berks County, 0.8 mi. N.N.E. of Mohrsville, 5 Sep 1948, *W. C. Brumbach 4,208* (PAC). French Creek State Park, along margin of Scotts Run Lake, 27 Aug 1969, *A. E. Schuyler 4,088* (WIS). Bucks County, Sandy banks of streams, Sellersville, 24 Feb 1905, *C. D. Fretz s. n.* (NYS). 1 mile SE of Southampton, 6 Nov 1958, *B. Long 84,492* (NYS). Center County, Scotia, 1 Aug 1935, *J. S. Bangson s. n.* (PAC). Chester County, S. of R.R., Frazer, 14 Aug 1910, *E. B. Bartram 1,133* (MT). Roadside ditch along Route 30, 3 miles n.w. of Parkesburg, 9 Sep 1951, *H. A. Wahl 11,964* (PAC). Dauphin County, 3/4 mi E. of Williams town, 27 Jul 1952, *D. Berkheimer 12,242* (PAC). Huntingdon County, Shaver Creek, 24 Oct 1972, *Kent Crawford s. n.* (PAC). Lancaster County, Smithville Swamp, 30 Aug 1889, *John K. Small 1,113* (BH). Smithville Swamp, 30 Aug 1889, *John K. Small s. n.* (BKL). Lancaster, 11 Sep 1860, *J. G. Porter s. n.* (PAC). Smithville Swamp, Lancaster, 30 Aug 1889, *J. K. Small s. n.* (VT). Lancaster, 30 Aug 1889, *J. K. Small s. n.* (VT). About 1.7 miles NW of Mountville, south shore of Grubb Lake, 30 Sep 1967, *A. E. Schuyler 3,976* (WIS). Swamp, 20 Aug 1889, *J. K. Small s. n.* (WIS). Northampton County, Willow Eddy, Lehigh River, 01 Aug 1899, *G. W. Caffrey s. n.* (PAC). 3 miles E. of Freemansburg, 5 Aug 1946, *R. L. Schaeffer Jr. 24,070* (PAC). 2 miles NW of Northampton, 9 Aug 1946, *R. L. Schaeffer Jr. 24,228* (PAC). Schuylkill County, 2.3 miles NE of Williamstown, 7 Sep 1991, *J. R. Kunsman 10,002* (PAC). **Rhode Island:** Providence County, Little Benedict Pond, 8 Sep 1900, *J. Franklin Collins s. n.* (BKL). Wenscott Reservoir, Smithfield, 28 Sep 1929, *J. F. Collins s. n.* (MT). Near mouth of Threadmill brook, Lincoln Woods, Lincoln, 13 Aug 1932, *J. F. Collins s. n.* (MT). Little Benedict Pond, Providence, 9 Aug 1900, *J. F. Collins s. n.* (MT). Providence, No Date, *W. W. Bailey s. n.* (NYS). Barden reservoir, Pontaganset River, 9 Oct 1999, *D. F. Brunton 14,456* (WIS). Washington County, Sandy Shore of Long Pond, South Kingston, 12 Jul 1925, *H. K. Svenson s. n.* (BKL). South Kingstown Rd., Sep 1872, *J. W. Congdon s. n.* (BKL). County unknown, No Date, *S. Calverley s. n.* (BKL). **South Carolina:** Greenville County, Pleasant Ridge State Park. In and around fishing lake. Rte. 11, Cleveland. Occasional annual at margins of pond, in mud and shallow water, 4 Sep 1987, *Steven R. Hill 18,781* (NY). Table Rock Reservoir watershed, at Pickens County line, mudflats near dock. Mouth of the South Saluda River at lake, elev. 1,250ft. Occasional on mudflats, 29 Oct 1993, *Steven R. Hill with D. Kennemore, T. Blagden, Jr., C. Heaton 25,273* (NY). Pleasant Ridge State Park, 4 Sep 1987, *S. R. Hill 18,781* (VT). Pickens County, Moist meadow 6 miles N-NW of Easley, 18 Sep 1938, *Robert T. Clausen & Harold Trapido 3,669* (BH). Lake Hartwell at Twin Lakes boat ramp, SW of Clemson. Sandy clay. Occasional to frequent annual at high water mark. Fruits attaching to clothing by their bristles, 26 Sep 1987, *Steven R. Hill 18,896* (NY). 6 miles N-NW of Easley, 18 Sep 1938, *R. T. Clausen 3,669* (PAC). Lake Hartwell at Twin Lakes boat ramp, SW of Clemson, 26 Sep 1987, *S. R. Hill 18,896* (VT). **Tennessee:** Carroll County, Hollowrock, 05 Aug 1897, *H. Eggert s. n.* (BH). Cumberland County, Pond margin, 0.5 mile NE of Chestnut Hill School, 10 Sep 1986, C.

Crowder & B. E. Wofford 216 (WIS). Drained pond along Genesis Road, about 2 miles N of I-40, 30 Aug 1997, *V. E. McNeilus 97-883* (WIS). Edge of pond along Chestnut Ridge Rd., 10 Sep 1986, *V. E. McNeilus s. n.* (WIS). Edge of Lowell Harris pond along Chestnut Ridge Rd., 27 Aug 1987, *V. E. McNeilus 87-482* (WIS). Grundy County, Sandy creekbank in sandstone outcrop area jct. Tenn 56 and tenn 108, ca. 10 mil. N. Trachy City, 29 Sep 1971, *R. Kral 44,535* (NY). Marion County, Nikajack lake, ca 4 miles northwest of Whiteside, mudflats northeast of highway I-24, near inlet of lake, 0.6 miles south of intersection of highways TN 134 & 156, 1 Aug 1989, *Richard Carter 7,996* (NY). Monroe County, Edge of Indian Boundary Lake, Cherokee National Forest, 1 Aug 1993, *J. A. Churchill s. n.* (WIS). Polk County, in bed of Hiwassee River, below bridge on route 68 about 2.5 miles north of Farner, 27 Sep 1953, *W. J. Dress 2,799* (BH). Lakeshore, 10 miles NW of Ducktown, 4 Oct 1984, *V. E. Mcneilus s. n.* (WIS). Edge of Hiwassee River, 3 Oct 1986, *V. E. McNeilus s. n.* (WIS). Putnam County, Muddy margin of a pond, Monterey, 4 Jul 1935, *H. K. Svenson 6,867* (BKL). Monterey Lake, 23 Sep 1979, *V. E. Mcneilus 19* (WIS). Along Rt. 84, ca. 2 miles NW of Monterey, 17 Sep 1989, *V. E. Mcneilus 89-1,013* (WIS). Scott County, Oneida, Shore of Lake on Ponderosa Estates, 27 Aug 1968, *S. H. Sohmer 4,641* (WIS). Edge of small lake, 1 mi. S. of Oneida along Rt. 27, 11 Aug 1987, *V. E. McNeilus 87-416* (WIS). Oneida, Shore of lake at Ponderosa Estates, 27 Aug 1968, *S. H. Sohmer 4,614* (WIS). Van Buren County, Edge of a man-made pond along Brockdell Road. About 1.3 miles west of Bledsoe County Line., 21 Sep 1996, *V. E. McNeilus 96-992* (NY). **Virginia:** Bedford County, Bedford, Aug 1867, *A. N. Curtiss s. n.* (BH). 01 Sep 1873, *A. H. Curtis s. n.* (VT). **Vermont:** Caledonia County, Outlet of Kettle Pond near Vt. Rte. 232, Groton, 9 Aug 2012, *Gilman 10,107* (VT). Mud flats along west bank of Connecticut River at McIndoes Falls, Barnet, 1 Sep 2002, *Gilman 02,142* (VT). Widham County, Townshend Dam, Townshend, 17 Sep 1996, *Gilman 96,320* (VT). Mowed meadow, floodplain of West River, near Rte. 30 N of Townshend Dam, Townshend, 18 Sep 1996, *Gilman 96,326* (VT). Small island near the west shore of the Connecticut River, ca. 1.5 miles north of Vernon Dam, 20 Aug 1969, *W. D. Countryman 2,132* (VT). Small island in the Connecticut River opposite the mouth of Broad Brook, 21 Sep 1969, *W. D. Countryman 2,166* (VT). Small island in the Connecticut River opposite the mouth of Broad Brook, 21 Sep 1969, *W. D. Countryman 2,166* (VT). Windsor County, Inlet to Stoughton Pond, Wethersfield, 2 Oct 1998, *M. Lapin 98,126* (VT). **Wisconsin:** Adams County, Solberg Silver Lake, 28 Aug 1991, *J. M. Dobberpuhl s. n.* (WIS). Mucky edge of Silver Lake, 13 Aug 1972, *W. Tans s. n.* (WIS). Silver Lake, Quincy Twp, 20 Aug 1958, *T. G. Hartley s. n.* (WIS). Bayfield County, Sand Lake, 26 Jul 1995, *E. J. Judziewicz 11,481* (WIS). Sandy shore of BUFO lake, 4 Sep 1996, *E. J. Judziewicz 12,112* (WIS). Burnett County, Section 34, T41N, R.14W, 17 Aug 1929, *N. T. McLaughlin 1,236* (WIS). Sand Lake, 12 Sep 1929, *N. C. Fassett 11,998* (WIS). Sandy shore, small lake, 12 Sep 1929, *W. T. McLaughlin 1,237* (WIS)., Crex Meadows Conservation Area, 12 Aug 1955, *D. N. Swindale s. n.* (WIS). Shore of lake, 2 Sep 1962, *Brian Marcks s. n.* (WIS). Sand Lake, 12 Sep 1929, *N. C. Fassett & N. T. McLaughlin 12,053* (WIS). Mucky sand E end of Bass Lak, 4 mi SE of Webster, 11 Sep 1976, *T. S. & B. A. Cochrane 7,706* (WIS). Chippewa County, 15 miles N. of Bloomer, 1 Oct 1949, *J. C. Budd & N. C. Fassett s. n.* (WIS). Douglas County, Halfway Lake, 8 Aug 1964, *K. D. Rill 1,399* (WIS). Muck Lake, 2 Aug 1981, *S. Solheim 595* (WIS). 4 miles west of Wascott, 11 Aug 1949, *N. C. Fassett 28,106* (WIS). Forest County, May Lake, 7 Jul 1963, *K. D. Rill 1,390* (WIS). Iowa County, 1 Sep 1922, *J. J. Harris s. n.* (BH). Arena, 27 Jul 1922, *J. J. Davis s. n.* (WIS). Jackson County, Dry bed of draw-down Partridge Crop Flowage, 31 Jul 1997, *E. J. Judziewicz 12,375* (WIS). Lincoln County, small pond, Route A, 22 Aug 1955, *F. C. Seymour 16,229* (VT). Tiny pond, route A, 11 Sep

1952, *F. C. Seymour* 14,908 (WIS). Small pond, route A, 22 Aug 1955, *F. C. Seymour* 16,229 (WIS). Sandy shores of Turlte Lake, 12 Aug 1982, *E. J. Judziewicz & E. Epstein* 4,154 (WIS). Marinette County, Silver Cliff, 1 Sep 1988, *G. Fewless* 4,914 (WIS). Marquette County, Montello, 25 Sep 1937, *J. T. & F. H.* 131 (WIS). Oconto County, South Bay of Warington Lake, 18 Aug 1981, *E. J. Judziewicz* 2,731 (WIS). South Bay of Warington Lake, 18 Aug 1981, *E. J. Judziewicz* 2,731 (WIS). Small, sandy-mucky drying pond, 13 Aug 1981, *E. J. Judziewicz* 2,583 (WIS). Sandy-muck W. shore of Gaffney Lake, 10 Aug 1981, *E. J. Judziewicz* 2,500 (WIS). Oneida County, In damp sand around a small, shallow, unnamed lake in SW 1/4 section 2 Woodboro Township, 4 Sep 1994, *Thomas J. Underwood s. n.* (NY). Lake Tomahawk, 16 Aug 1995, *Andy Clark* 957 (WIS). Lake Tomahawk-Dorothy Lake, 22 Aug 1995, *Andy Clark* 958 (WIS). Polk County, Sandy shore, Island lake, 28 Aug 1929, *W. T. McLaughlin* 1,238 (WIS). Lewis, 1 Aug 1924, *J. J. Davis s. n.* (WIS). Rusk County, Bruce, 29 Aug 1918, *J. J. Davis s. n.* (MT). Bruce, 5 Sep 1918, *J. J. Davis s. n.* (WIS). Bruce, 27 Aug 1918, *J. J. Davis s. n.* (WIS). Bruce, 29 Aug 1918, *J. J. Davis s. n.* (WIS). Sauk County, Dry sandy shore, Devils Lake, 10 Sep 1931, *N. C. Fassett* 14,265 (MT). SW shore of Devils Lake, 3 mi. S. of Baraboo in Devils Lake St. Pk, 21 Sep 1975, *T. S. Cochrane et al.* 7,169 (WIS). Devil's Lake, 11 Aug 1896, *L. M. Umbach* 3,285 (WIS). Devil's Lake, 9 Aug 1913, *J. J. Davis s. n.* (WIS). Devil's Lake State Park, SW shore, 22 Aug 1946, *J. H. Zimmerman* 1,367 (WIS). Devils Lake, SW portion of Devils Lake St. Pk, 29 Aug 1958, *T. G. Hartley & R. F. Thorne* 5,788 (WIS). Devils Lake, dry sandy shore, 10 Sep 1931, *N. C. Fassett* 14,265 (WIS). Sawyer County, Twp. Of Winter Pond, 0.5 miles SW of Hanson Lake, 28 Jul 2000, *E. J. Judziewicz* 14,251 (WIS). Vilas County, Camp Lake, 28 Jul 1976, *T. S. Cochrane et al.* 7,651 (WIS). 4 miles NE of Lac du Flambeau, Elsie Lake sandy beach, 25 Jul 1990, *K. L. Thompson* 316 (WIS). Mud flats at edge of Camp Lake, 1 Aug 1975, *W. E. Tans* 1,389 (WIS). Shore of Anvil Lake, 24 Aug 1959, *K. D. Rill s. n.* (WIS). White Spruce Lake, 02 Oct 2011, *D. Shiels* 68 (CMC). Washburn County, Minong, 12 Aug 1917, *C. Goessl s. n.* (WIS). Minong, 14 Aug 1917, *C. Goessl* 8,480 (WIS). Waukesha County, 1 mile SW of Eagle, marly small pond, 21 Sep 1968, *M. Nee & H. H. Iltis* 1,508 (WIS). Waukesha County, Marsh 1 mile SW of Eagle, 21 Sep 1968, *M. Nee & H. H. Iltis* 1,498 (WIS).

Schoenoplectiella purshiana* var. *williamsii (Fernald) Hayas.

U. S. A. **Indiana:** La Porte County, Clear Lake, Laporte, 20 Jul 1878, *C. R. Barnes s. n.* (WIS). **Massachusetts:** Norfolk County, Shores Massapog Pond, Sharon, 5 Sep 1908, *G. G. Kennedy* 10 (BH). Shore Massapoag Pond, Sharon, 20 Aug 1929, *S. F. Blake* 10,871 (BH). Shore Massapoag Pond, Sharon, 20 Aug 1929, *S. F. Blake* 10,871 (BH). Near Niagara Falls, Aug 1896, *Gam.* 12,984 (CAN). Shore Massapoag Pond, Sharon, 20 Aug 1929, *S. F. Blake* 10,871 (MT). From type locality, shore of Massapoag Pond, Sharon, 20 Aug 1929, *S. F. Blake* 10,871 (NY). Sharon, Shore of Nbassapoag Pond, 16 Aug 1911, *F. F. Forbes s. n.* (NY). Shore of Massapoag Lake, Sharon, 7 Sep 1901, *E. F. Williams & M. L. Fernald s. n.* (NYS). Shore of Massapoag Pond, Sharon, 23 Sep 1911, *F. F. Forbes s. n.* (PAC). Sharon, shore of Massapoag Pond, 16 Aug 1911, *F. F. Forbes s. n.* (VT). Sharon, Lake Massapoag, 7 Sep 1901, *E. F. Williams s. n.* (VT). Massapoag Lake, Sharon, 31 Aug 1892, *G. G. Kennedy s. n.* (WIS). Shore of Massapoag Pond, Sharon, 20 Aug 1929, *S. F. Blake* 10,871 (WIS). Sandy shore of Massapoag Lake, Sharon, 7 Sep 1901, *E. F. Williams & M. L. Fernald* 26 (MT). Sharon, shore of Massapoag Pond, 23 Sep 1921, *F. F. Forbes s. n.* (MT). Lake Massapoag, Sharon, 17 Aug 1902, *E. F. Williams s. n.* (MT). **Michigan:** Barry County, Orangeville Tep. Dagget Lake, NE shores, 8 Aug 1970, *G. J. Pierce*

1,434 (WIS). Berrien County, Bertrand Township, south of Niles, ca. 1.5km east of U.S. Highway 33, 7 Sep 1981, *James Ng 672* (MT). Cass County, Shores of Cable Lake, Michigan, 16 Aug 1915, *L. M. Umbach 7,451* (BH). Ingham County, Lake Lansing, Lake Lansing Park South, west side of lake in drying exposed lake bottom, N. of boat rental facility, 22 Aug 2012, *D. Shiels 94* (CMC). Kalamazoo County, Shore of lake, Eagle Lake, 26 Aug 1935, *C. R. Hanes 555* (NY). 2.3 miles west of Texas corners, abundant on northwest shore of Pretty Lake, 9 Aug 1966, *A. E. Schuyler 3,903* (NY). Turtle Island on Pretty Lake, 15 Sep 2011, *D. Shiels 55* (CMC). Pine Island Lake, Texas Twp, No Date, *C. R. Hanes s. n.* (WIS). Two miles NW of Texas corners, North Shore of Eagle Lake, 9 Aug 1966, *A. E. Schuyler 3,900* (WIS). St. Joseph County, Mendon, bogs, 25 Aug 1915, *L. M. Umbach 7,584* (WIS). **Wisconsin:** Chippewa County, Sandy shore of Bass Lake, 2 Oct 1949, *N. C. Fassett et al. 22,687* (WIS). Dane County, Madison, No Date, *S. H. Watson s. n.* (NY). Iowa County, Arena, 1 Sep 1922, *J. J. Davis s. n.* (WIS). Arena, 1 Sep 1922, *J. J. Davis s. n.* (MT).

Schoenoplectiella roylei (Nees) Lye

CONGO. **Admin unknown:** Noruanda (Ruzesera), 26 Oct 1953, *L. Liben 844* (NY). INDIA. **Maharashtra:** Nagpur, Koradi, 5 Dec 1961, *V. P. Donde D37* (NY). KENYA. **Central Province :** Kiambu District, Thika school ground, swamp grassland, 1 Jul 1971, *A. B. Katende K 1,093* (MO). NAMIBIA. **Oshana Region:** 122km east of Ruacana on Oshakati road, edge of shallow pan in very damp mud, 1 Apr 1989, *Pienaar, Archer 1,331* (MO). TANZANIA. **Singida Region:** Manyoni District, Isuna 60km South of Singida, 6km on footpath to North-East of Singida/Manyoni road. In Miombo woodland margin, semi permanent swamp, 25 May 1985, *L. B. Mwasumbi 12,772* (MO). ZIMBABWE. **Matabeleland North Province:** Hwange District, Wankie National Park, small Makwa Pan, 9 miles S of main camp, in drying mud around margin of pan, 17 Apr 1972, *G. E. Gibbs Russell 1,617A* (MO). COUNTRY UNKNOWN. **Admin unknown:** 13 Jun 1963, *W. Giess, B. Leippert 7,575* (MO).

Schoenoplectiella saximontana (Fernald) Lye

CANADA. **British Columbia:** Columbia-Shuswap, Salmon Arm, Sandy Point on the shore of Shuswap Lake, 27 Aug 1988, *A & O Ceska, Elsie Nykyfork 25,268* (NY). U. S. A. **California:** Ventura County, Large colony at north end of Mirror Lake, about 2 miles southwest of Ojai, 19 Aug 1952, *Clifton F. Smith 3,726* (NY). **Kansas:** Kiowa County, 4 mi. W., 3/4 mi. S. Haviland, low area in cultivated field, 17 Aug 1978, *Ralph Brooks, R. L. McGregor 13,970* (NY). **Texas:** Goliad County, O'Connor River Ranch, River Pasture, Montgomery Bend of the San Antonio River. N side Rt. 239, 7.0 rd miles SE of Rt. 183, Goliad. Local in mud at margin of Orchard Lake, 24 Jul 1991, *Steven R. Hill 22,454* (NY). Kenedy County, about a playa lake 7.5 miles south of Norias, Rte. #77, 12 Feb 1969, *D. S. Correll 36,787* (NY). **Utah:** Millard County, West of Flowell at The Sink, 3 Sep 1984, *S. L. Welsh, E. Neese 23,067* (NY).

Schoenoplectiella senegalensis (Steud.) Lye

BOTSWANA. **Central District:** Samedupe Drift over Botteti River, small dry pan just S of river, 15 May 1977, *R. P. Ellis 2,982* (MO). **North-West District:** 100km NNE of Maun on road to Moremi, small pan in scrub mopane veld, 16 May 1977, *R. P. Ellis 3,037* (MO).

BURKINA FASO. **Boulgou:** Some km SE of Tenkodogo, dips in the landscape with cattle pastures and waterholes covered with aquatic plants, 2 Oct 1996, *Jens Elgaard Madsen* 5,928 (NY). CAMEROON. **Admin unknown:** Bodo sur el beid, frontiere avec le Nigeria, 20 Jan 1968, *J. Leonard* 4,331 (NY). ERITREA. **Admin unknown:** Eritrea-Beni Amer, Carajai, , 25 Sep 1906, *A. Pappi* 7,153 (NY). **Admin unknown:** 20 Aug 1906, *A. Pappi* 7,028 (NY). ETHIOPIA. **Oromia Region:** About 5km WSW of Jimma, along road to Bonga, in shallow ditch along road, 11 Aug 1965, *W. J. J. O. de Wilde et al.* 7,590 (MO). MALI. **Admin unknown:** 24 Aug 1990, *L. Ake' Assi* 18,236 (MO). NIGERIA. **Odo State:** Middu pool, S. Guinea Savannah N. R. R. Oha 18 miles NW of Iteo Oyo prov, 10 Aug 1957, (NY). SENEGAL. **Taiubaiounda Region:** Seuigal, Taiubaiounda Badi, 15 Nov 1961, *Adam Jacques-Georges* 8,778 (MO). SUDAN. **Admin unknown:** "Rhino Camp" Bahr el Jebel, Lado Enclave, 10 Jan 1910, *Dr. Edgar A. Mearns* 2,890 (NY). TANZANIA. **Iringa Region:** Iringa District, local in a temporary water-hole, Msembe-Mbagi Track, Mile 3.3, 20 Mar 1970, *P. J. Greenway, Kanuri* 14,161 (MO). **Tabora Region:** Tabora District, 8km on Ipole-Inyonga road, dried out waterhole in large roadside ditch, 18 May 2006, *S. Bidgood, K. Hoenselaar, G. Leliyo, K. Vollesen* 6,062 (MO). ZAMBIA. **Northern Province:** Mbala District, Chilongolwelo, Abercorn, shallow sandy pool among flat rocks, 9 Feb 1957, *Mrs. H. M. Richards* 8,126 (NY). **Southern Province:** Choma District, Mapanza, 3m SW, mud round small pond, 9 Mar 1955, *E. A. Robinson* 1,124 (NY). ZIMBABWE. **Mashonaland West:** Hurungwe District, N bank of Mauora, Eastern Hurungwe, in shallow water, 1 Mar 1958, *J. B. Phipps* 1,015 (NY). **Matabeleland South Province:** Matobo District, Farm "Bema Kobila", 1 Feb 1954, *O. B. Miller* 45,936 (MO). COUNTRY UNKNOWN. **Admin unknown:** Between Kafr Mahfous and Beni Osman, 20 Nov 1968, *M. Imam s. n.* (MO). 900m, 23 Jun 1915, *A. Peter* 11,406 (MO).

Schoenoplectiella smithii var. *leviseta* (Fassett) Hayas.

CANADA. **New Brunswick:** Northumberland County, S. shore of NW Miramichi, ca. km E. of Red Bank, 17 Sep 1979, *H. Hinds & D. Breen* 1,424 (QFA). **Quebec:** Bellechasse, Tidal mud of the St. Lawrence, Brethier, 14 Sep 1931, *M. L. Fernald* 2,515 (CAN). Anse St-Vallier, 11 Aug 1933, *F. Michel* 2,464 (MT). St-Michel-de-Bellechasse, 13 Aug 1988, *S. Hay* 88,367 (MT). St-Michel, cte' Bellechasse, 19 Aug 1991, *Stuart G. Hay* 81,053 (MT). Saint-Michel-de-Bellechasse, point a Labrecque, anse Saint-Vallier, 11 Sep 1995, *F. Coursol and D. Bouchard* 95-341 (MT). Saint-Michel-de-Bellechasse, pointe a l'est du quai, 12 Sep 1995, *F. Coursol et al.* 95-409 (MT). Saint-Michel-de-Bellechasse, pointe a l'est du quai, 12 Sep 1995, *F. Coursol et al.* 95-391 (MT). Saint-Michel-de-Bellechasse, pointe a Labrecque, 29 Aug 1995, *F. Coursol and D. Bouchard* 95-080 (MT). Un km et demi a l'est du village de Saint-Vallier, devant les chalets, 5 Aug 1993, *E. Robert* 93-067 (QFA). Un km et demi a l'est du village de Saint-Vallier, devant les chalets, 12 Aug 1993, *E. Robert* 93-083 (QFA). Un km a l'est du village de Saint-Vallier, 27 Aug 1993, *E. Robert* 93-291 (QFA). Un km et demi a l'est du village de Saint-Vallier, 16 Sep 1993, *E. Robert* 93-322 (QFA). 400 m a l'ouest de la Pointe-de-Saint-Vallier, 23 Aug 1993, *E. Robert* 93-184 (QFA). Saint-Vallier, 18 Aug 1993, *E. Robert* 93-117 (QFA). Charlevoix region, Reserve de Cap Tourmente, Ruisseau Marsolette, 4 Aug 1987, *Gauthier et al.* 4-87 (QFA). La Côte-de-Beaupré, Saint-Jean-de-Boischatel, 25 Aug 1995, *F. Coursol and D. Bouchard* 95-763 (MT). Saint-Jean-de-Boischatel, 25 Aug 1995, *F. Coursol and D. Bouchard* 95-499 (MT). Saint-Jean-de-Boischatel, 25 Aug 1995, *F. Coursol and D. Bouchard* 95-773 (MT). Saint-Jean-de-

Boischatel, 25 Aug 1995, *F. Coursol & D. Bouchard 95-773* (QFA). Les Chutes-de-la-Chaudiere, St-Nicolas, anse du Vieux Moulin, 6 Sep 1991, *J. Labrecque & G. Jolicoeur s. n.* (QFA). Saint-Nicolas, Anse Ross, 8 Oct 1991, *Garneau M, Lavoie G, Labrecque J 91-673-M* (QFA). Saint-Nicolas, 24 Aug 2001, *M. Blondeau Q01-067* (QFA). Levis, Saint-Nicolas, pointe Saint-Nicolas, anse Paquet, 18 Sep 1995, *F. Coursol and D. Bouchard 95-499* (MT). Saint-Romuald, anse a l'ouest de l'embouchure de la riviere Etchemin, 26 Aug 1995, *F. Coursol and D. Bouchard 95-786* (MT). Saint-Nicholas, anse Aubin, 10 Sep 1995, *F. Coursol and D. Bouchard 95-307* (MT). Hadlow, pres de Levis, 30 Aug 1933, *F. Anselme s. n.* (MT). Hadlow, pres de Levis, Levis, 30 Aug 1933, *F. Anselme s. n.* (MT). Levis, 20 Aug 1933, *F. Anselme 205* (MT). Saint-Nicholas, anse Gingras, 19 Aug 1995, *F. Coursol and D. Bouchard 95-272* (MT). Tidal mud of the St. Lawrence, Levis, 9 Aug 1923, *H. K. Svenson & N. C. Fassett 985* (NYS). Hadlow, pres de Levis, 30 Aug 1933, *F. Anselme s. n.* (PAC). St-Nicolas, anse du Vieux Moulin, 6 Sep 1991, *J. Labrecque & G. Jolicoeur s. n.* (QFA). Saint-Nicolas, 24 Aug 2001, *M. Blondeau Q01-067* (QFA). Sainte-Romuald, 26 Aug 1995, *F. Coursol & D. Bouchard 95-786* (QFA). Lauzon, 1 Aug 1950, *Yves Desmarais I, 076* (QFA). Saint-Romuald, Anse Benson, 26 Aug 2000, *G. Ayotte 2000-423* (QFA). L'Île-d'Orléans, St-Laurent, greves, 31 Jul 1933, *F. Michel s. n.* (MT). St-Laurent, greves, 31 Jul 1933, *F. Michel s. n.* (MT). Saint-Jean, Riviere-Lafleur, 29 Aug 1995, *F. Coursol and D. Bouchard 95-080* (MT). Saint-Jean, pointe Dauphine, 29 Aug 1995, *F. Coursol and D. Bouchard 95-044* (MT). Saint-Laurent, lieu dit Village des Anglais, 21 Sep 1995, *Coursol et al. 95-161* (QFA). Saint-Jean, pointe Dauphine, 29 Aug 1995, *F. Coursol & D. Bouchard 95-044* (QFA). Lotbiniere, Lotbiniere, 28 Aug 1943, *F. F. Marie-Victorin & Rolland-Germain 7,325* (CAN). Deschaillons, pointe des Roberts, 2 Sep 1995, *F. Coursol and D. Bouchard 95-115* (MT). Deschaillons, pointe des Roberts, 2 Sep 1995, *F. Coursol and D. Bouchard 95-125* (MT). Saint-Croix, pointe au Platon, 5 Sep 1995, *F. Coursol & D. Bouchard 95-194* (MT). Lotbiniere, 3 Sep 1995, *F. Coursol & D. Bouchard 95-153* (MT). Lotbiniere, 3 Sep 1995, *F. Coursol & D. Bouchard 95-145* (MT). Saint-Antoine-de-Tilly, Les Fonds, 8 Sep 1995, *F. Coursol et al. 95-261* (MT). Saint-Antoine-de-Tilly, Les Fonds, 8 Sep 1995, *F. Coursol et al. 95-243* (MT). Saint-Croix, anse Sainte-Croix, 4 Aug 1995, *F. Coursol and D. Bouchard 95-165* (MT). Saint-Croix, anse Sainte-Croix, 4 Aug 1995, *F. Coursol and D. Bouchard 95-172* (MT). Lotbiniere, 3 Sep 1995, *F. Coursol & D. Bouchard 95-153* (QFA). Saint-Croix-de-Lotbiniere, Pointe-au-Platon, 21 Sep 1989, *M. Garneau & C. Roy 89-535-M* (QFA). Sainte-Croix, anse Sainte-Croix, 4 Aug 1995, *F. Coursol & D. Bouchard 95-165* (QFA). Montmagny, Brethier-sur-Mer, Trou de Berthier, 13 Sep 1995, *F. Coursol & D. Bouchard 95-425* (MT). Cap-Saint-Ignace, L'Anse-a-Gilles, anse du Cap, 15 Sep 1995, *F. Coursol and D. Bouchard 95-466* (MT). Batture a l'ouest de l'embouchure de la riviere du Sud, refuge d'oiseaux de Montmagny, 27 Aug 1995, *F. Coursol & D. Bouchard 95-806* (QFA). Montmorency, Saint-Laurent (Ile D'Orleanes), 31 Jul 1933, *Fr. Marie-Victorin 44,386* (MT). Saint-Laurent, Village-des-Anglais, trou Saint-Pierre, 20 Sep 1995, *F. Coursol et al. 95-603* (MT). Saint-Pierre, L'Islet, a leste du pont de L'île, 20 Sep 1995, *F. Coursol et al. 95-585* (MT). Saint-Pierre, L'Islet, a l'est du pont de Lile, 20 Sep 1995, *F. Coursol et al. 95-588* (MT). Berge du fleuve inondee par la maree, sur le limon et le gravier, 7 Aug 1973, *R. Gauthier & J. Cayouette 73-182* (QFA). Paroisse Saint-Pierre, Route 368, a 900 m du carrefour proche du pont, 23 Sep 1997, *F. Poisson & B. Gauthier 0099* (QFA). Montreal, Pointe-aux-Trembles, battures de la Pointe aux Trembles, 21 Aug 1995, *F. Coursol and D. Bouchard 95-553* (MT). Pointe-aux-Trembles, battures de la Pointe aux Trembles, 21 Aug 1995, *F. Coursol and D. Bouchard 95-557* (MT). Pointe-aux-Trembles, Point-aux-Trembles ouest, pointe a Alain, 19 Sep 1995, *F. Coursol et al. 95-514* (MT). Pointe-aux-

Trembles, Point-aux-Trembles ouest, pointe a Alain, 19 Sep 1995, *F. Coursol et al.* 95-522 (MT). Pointe-aux-Trembles, Pointe-aux-Trembles ouest, pointe a Alain, 19 Sep 1995, *F. Coursol et al.* 95-529 (MT). Porteuf, Pointe de la Vielle Eglise, St. Augustin, 8 Aug 1950, *Yves Desmarais* 11,07 (MT). St-Augustin, Cte' Portneuf, Greve du St-Laurent, 5 Sep 1963, *L. Cing-Mars et al.* 63-1428 (MT). St-Augustin, Cte' Portneuf, Greve du St-Laurent, 5 Sep 1963, *L. Cing-Mars et al.* 63-1428 (MT). Saint Augustin, estuariennes, 24 Aug 1930, *F. F. Marie-Victorin et al.* 33,871 (MT). Porteuf, Groundines, 12 Sep 1957, *Marcel Raymond* 5,736 (MT). Neuville, 19 Aug 1970, *G. Lemieux* 13,616 (CAN). Saint-Augustin, 24 Aug 1930, *F. F. Marie-Victorin et al.* 33,871 (CAN). Neuville, 9 Oct 1938, *Fr. Marie-Anselme* 1,198 (MT). Cap-Sante, a l'ouest de l'embouchure de la riviere Jacques-Cartier, 22 Aug 1995, *F. Coursol & D. Bouchard* 95-663 (MT). Portneuf, 6 Sep 1995, *F. Coursol et al.* 95-216 (MT). Grondines, anse chez Therrien, 23 Aug 1995, *F. Coursol et al.* 95-707 (MT). Grondines, anse chez Therrien, 23 Aug 1995, *F. Coursol et al.* 95-690 (MT). Saint-Augustin. Ile Gagon., 13 Aug 1975, *G. Ayotte* 238 (QFA). Pres de l'île a Gagon, Saint-Augustin, 29 Aug 1981, *M. Blondeau s. n.* (QFA). Portneuf, Grondines, Pointe a Bateau, 15 Aug 1973, *B. Gauthier* 1,413-73 (QFA). Pres de l'île a Gagon, Saint-Augustin, 30 Aug 1981, *M. Blondeau s. n.* (QFA). Station Agronomique, Saint-Augustin, 14 Aug 1918, *M. Perron & J. C. Tessier* 68-316 (QFA). Pointe de la vieille Eglise, Saint-Augustin, 8 Aug 1950, *Yves Desmarais* 1,107 (QFA). Saint-Augustin-de-Desmaures, au nord de l'île a Gagon, 28 Sep 1989, *M. Garneau et al.* 89-580-M (QFA). Neuville, 13 Sep 2004, *C. Potvin* 02052004 (QFA). Rocky, moist, weatherworn tidal beach, along St. Lawrence River at Neuville, 23 Aug 1947, *H. H. Iltis* 2,994 (WIS). Exsiccata de l'Institut Agricole d'Oka, 12 Aug 1934, *Louis-Marie P., Fabius F. F., Raymond A. M., Paquin J.* 480,253 (QFA). Neuville, 19 Aug 1970, *G. Lemieux* 13,616 (QFA). St-Augustin, Portneuf, Baie de l'île a Gagon, 4 Aug 1975, *Bernard & Paquet* 115-13 (QFA). St-Augustin, Cte Portneuf, P. Que. Greve du St- Laurent, 5 Nov 1963, *Cinq-Mars L., Hende R. V. D., Rousseau C., Bonneau J.* 63-1,428 (QFA). Quebec, Cap Rouge, tidal shore of St. Lawrence River, 19 Aug 1937, *R. T. Clausen & Harold Trapido* 2,772 (BH). Cap Rouge, tidal shore of St. Lawrence River, 19 Aug 1937, *R. T. Clausen & Harold Trapido* 2,772 (BH). Cap Rouge, zone intercotidale des rivages estuariens, 26 Aug 1940, *Marie-Victorin et al.* 4,096 (BH). Tidal mud of the St. Lawrence, Cap-Rouge, 14 Sep 1931, *M. L. Fernald* 2,514 (CAN). Cap-Rouge, 26 Aug 1940, *F. F. Marie-Victorin et al.* 4,096 (CAN). St. Augustin, Pointe de la vieille Eglise, 8 Aug 1950, *Yves Desmarais* 1,107 (CAN). Cap-Rouge, 12 Aug 1934, *P. Louis-Marie et al.* 34,614 (MT). Cap-Rouge, 17 Sep 1995, *F. Coursol s. n.* (MT). Zone intercotidale de la greve de Beauport, pres de Quebec, 8 Aug 1922, *Rolland* 15,107 (MT). Zone intercotidale de la greve de Beauport, pres de Quebec, 8 Aug 1922, *Rolland* 15,107 (MT). Zone intercotidale de la greve de Beauport, pres de Qubec, 8 Aug 1922, *Rolland* 15,107 (NY). Cap Rouge, intertidal zone, No Date, *Marie-Victorin, B. Boivin, M. Raymond, J. Kucyniak* 4,096 (NY). Quebec, Cap-Rouge, 26 Aug 1940, *F. F. Marie-Victorin et al.* 4,096 (PAC). Cap-Rouge, 7 Sep 1941, *F. F. Marie-Victorin & Rolland-Germain* 55,018 (PAC). Tidal shore of St. Lawrence River, Cap-Rouge, 17 Sep 1937, *R. T. Clausen* 2,772 (PAC). Cap-Rouge, 5 Aug 1993, *P. Louis-Marie et al.* 34,614 (QFA). 10km a l'ouest de Neuville, sur la greve intertidal du fleuve Saint-Laurent, 5 Aug 1993, *E. Robert* 93-067 (QFA). Battures de la Pointe-a-Pizeau, 20 Sep 1978, *Jean-Paul Bernard* B78-681 (QFA). Cap-Rouge, 18 Aug 1978, *Jean-Paul Bernard et al.* B78-567 (QFA). Saint-Foy, plage Jacques-Cartier, 10 Sep 1995, *F. Coursol et al.* 95-101 (QFA). Sainte-Foy, 19 Sep 1978, *Jean-Paul Bernard* B78-674 (QFA). Cap-Rouge, 18 Aug 1978, *J. P. Bernard et al.* B78-560 (QFA). Neuville, greve intertidal du fleuve Saint-Laurent, 20 Sep 1995, *Coursol et al.* 95-134 (QFA)., Cap-Rouge, 27 Aug 2007, *M. Garneau* 07-188-M (QFA). Cap-

Rouge, 7 Sep 1941, *F. F. Marie-Victorin & Rolland-Germain* 55,018 (WIS). Rimouski, Lac Ross, 12 Aug 1934, *P. Louis-Marie et al.* 34,614 (QFA). Vaudreuil, Lac Saint-Louis, Baie Madore, au N de l'fle Perrot, 5 Aug 1965, *F. L. Levesque et al.* 2,660 (QFA). Admin unknown, intertidale vaseuse, 19 Aug 1950, *Yves Desmarais* 1,076 (MT). St.Laurent (I.O.), greves, 31 Jul 1933, *F. Michel* 305 (QFA). Hydrolittoral moyen, 28 Sep 1989, *Michelle Garneau, Claude Roy, Sylvie Fiset* 89-580-M (NY). U. S. A. **Maine:** Kennebec County, Tidal mud of the Kennebec River, Gardiner, 18 Sep 1923, *N. C. Fassett & K. H. Kinglet* 984 (NYS). Penobscot County, Tidal shore of the Penobscot R., Bangor Pool, 16 Aug 1937, *N. C. Fassett* 18,835 (BKL)., Tidal shore of the Penobscot R., Bangor Pool, 16 Aug 1937, *N. C. Fassett* 18,835 (NY). Tidal shore of Penobscot R. Bangor Pool, 16 Aug 1937, *N. C. Fassett* 18,835 (WIS). Sagadahoc County, Tidal mud-flats of the river, Bowdoinham, 14 Sep 1916, *M. L. Fernald* 12,829 (BH). Tidal mud-flats of the river, Bowdoinham, valley of Cathance River, 14 Sep 1916, *M. L. Fernald, Bayard Long* 12,829 (NY). Tidal mud of the Bowdoinham River, 14 Sep 1916, *M. L. Fernald & B. Long* 12,829 (NYS). Tidal shore of Kennebec River, Abagadasset Point, 22 Aug 1931, *N. C. Fassett* 14,327 (WIS). 3.6 miles S. of Richmond, tidal shore of Kennebec River, opposite southern tip of Swan Island, 17 Aug 1971, *A. E. Schuyler* 4,266 (WIS). 4 miles NE of Topsham, tidal shore of the Androscoggin River, 19 Aug 1971, *A. E. Schuyler* 4,276 (WIS).

Schoenoplectiella smithii* var. *setosa (Fernald) Hayas.

CANADA. **Ontario:** Middlesex , London, Sifton Bog, west end of city, N. of Thames R, 3 Oct 1989, *M. J. Oldham & D. McLeod* 10,428 (NYS). Muskoka, Cognashene Lake CR C35, western shore, 22 Aug 2001, *R. Ben-Oliel* 2-28 (WIS). Norfolk , South beach, just west of Courtright Ridge, 10 miles from base of point, 22 Sep 1979, *A. A. Reznicek & P. M. Catling* 5,350 (CAN). Parry Sound, North Georgian Bay Shoreline and Island Conservation Reserve, 19 Sep 2001, *J. V. Jalava & W. Cooper* 316 (WIS). Georgian Bay, Big Burnt Island, Naiscoot River South Channel, 19 Sep 2001, *M. J. Oldham* 27,180 (WIS). Admin unknown, 30 Aug 1902, *W. Herriett* 54,630 (CAN). **Quebec:** Champlain, L'Île-des-Plaines, L'Île-de-la-Paix, Lery, 17 Sep 2001, *Andre Sabourin & Jacques Labrecque* 2,212 (MT). U. S. A. **Indiana:** Cass County, Frequent on the wet sandy shore of the south side of Lake Cicott, 7 Oct 1932, *Chas. C. Deam* 53,494 (BKL). Frequent on the wet sandy shore of the south side of Lake Cicott, 7 Oct 1932, *Chas. C. Deam* 53,494 (NY). Lake County, 31 Aug 1877, *E. J. Hill s. n.* (BH). Berry Lake, Whiting, 20 Sep 1897, *E. J. Hill* 667 (BH). Starke County, Northeast corner, bog mat, Round Lake, Starke County, Indiana, 1 Aug 1936, *J. E. Potzger* 7,166 (NY). **Massachusetts:** Barnstable County, SE of Cliff Pond, Brewster, 27 Aug 1918, *M. L. Fernald* 330 (BH). Chime Pond, Harwich, 14 Aug 1918, *M. L. Fernald* 16,369 (BH). SE of Cliff Pond, Brewster, 27 Aug 1918, *M. L. Fernald* 330 (BH). Forming a dense turf in quagmire in the woods south-east of Cliff Pond, Brewster, 27 Aug 1918, *Fernald ML, Long B* 330 (BKL). Cliff Pond, Brewster, 27 Aug 1918, *M. L. Fernald & B. Long* 330 (CAN). Cliff Pond, Brewster, 27 Aug 1918, *M. L. Fernald & B. Long* 330 (NYS). Chime Pond, Harwich, 14 Aug 1918, *M. L. Fernald & B. Long* 16,369 (NYS). Forming a dense turf in quagmire in the woods south-east of Cliff Pond, Brewster, Massachusetts, 27 Aug 1918, *Fernald M. L., Long B.* 330 (QFA). Brewster, Cliff Pond, 27 Aug 1918, *M. L. Fernald s. n.* (WIS). East of Buck Pond, Harwich, 30 Aug 1918, *M. L. Fernald & Bayard Long* 16,371 (MT). West of Greenough Pond, Yarmouth, 19 Sep 1913, *M. L. Fernald & Bayard Long* 8,921 (MT). SE of Cliff Pond, Brewster, 27 Aug 1918, *M. L. Fernald & Bayard Long* 330 (MT). Forming a dense turf in quagmire in the woods south-east of Cliff Pond, Brewster, 27 Aug 1918, *M. L.*

Fernald & B. Long 330 (QFA). Middlesex County, Winchester, 02 Sep 1894, *G. G. Kennedy 10* (BH). Gravelly or sandy shore, Farm Pond, Framingham, 13 Sep 1911, *A. J. Eames s. n.* (BH). **Michigan:** Kalamazoo County, 1 mile northeast of Climax, along shore of McGinnis Lake, 16 Aug 1966, *A. E. Schuyler 3,911* (NY). West Lake, 31 Jul 1935, *C. R. Hanes s. n.* (WIS). Oceana County, abundant on sandy-mucky exposed shore of Whitmore Lake at public access site, 20 Sep 1972, *E. G. Voss 14,075* (LKHD). Abundant on drying mucky shore of Homer Lake, ca. 5 mi. NW of Shelby, 20 Aug 1957, *E. G. Voss 5,328* (NY). Schoolcraft County, northside of Machlaud Lake, 04 Oct 2011, *D. Shiels 70* (CMC). Washtenaw County, Island Lake, ca. 9 mi NW of Dexter, 13 Sep 1964, *R. L. Stuckey 2,457* (CAN). Island Lake, 10 Oct 2011, *D. Shiels 72* (CMC). **Minnesota:** Benton County, Wisneski State Wildlife Management Area, ca. 5 mi. E. of Rice, 4 Aug 1988, *W. R. Smith 14,712* (MIN). Blue Earth County, Growing along the north shore of Lake Balyntine, 1 Oct 1959, *J. W. Moore 24,936* (MIN). Chisago County, Colby Lake, 1.5 mi. NW of Taylors Falls, 10 Sep 1997, *K. M. Myhre 7,357* (MIN). Center City, 01 Aug 1892, *P. 1,627* (MIN). Clearwater County, Lake Bohall shore, 4 Sep 1929, *M. L. Grant 3,249* (BH). Mink Lake, 6 Sep 1935, *M. L. Grant 6,772* (MIN). Itasca State Park, NW corner of Mink Lake, 6 Aug 1976, *G. B. Ownbey 5,248* (MIN). Itasca State Park, Lake Bohall lakeshore, 4 Sep 1929, *M. L. Grant 3,249* (MIN). Itasca State Park, Bohall Lake, 2 Aug 1976, *G. B. Ownbey 5,215* (MIN). Lake shore Lake Bohall, 4 Sep 1929, *M. L. Grant 3,249* (NY). Lake Bohall, 4 Sep 1929, *M. L. Grant 3,249* (VT). Crow Wing County, Growing on old beaver mound in Cranberry Bog Lake, 26 Sep 1969, *J. W. Moore & R. L. Carlton 522* (MIN). Hubbard County, Lake Alice Bog, about 2 miles due E. of Alice Lake, 11 Aug 1976, *G. B. Ownbey 5,261* (MIN). Isanti County, Between Cambridge and Isanti on W side of railroad track, muck, 7 Sep 1989, *B. Delaney 89,141* (MIN). Exposed shore of shallow lake, N-NW side of the peninsula that protudes into Horseshoe Lake, 24 Aug 1989, *B. Delaney 89,281* (MIN). Sandy wet shore of lake east of Hwy. 65, Isanti township, 1 Oct 1940, *J. W. Moore & M. Moore 13,710* (MIN). Itasca County, Ca. 8.5 miles N-NW of Grand Rapids, 20 Jul 1977, *G. A. Wheeler & P. H. Glaser 2,169* (MIN). Chippewa National Forest. Bowstring State Forest. SE shores of Hale Lake, 12 Sep 2006, *L. B. Gerdes 5,329* (MIN). Mille Lacs County, Mille Lacs, Kathio State Park, 10 Sep 1998, *M. D. Lee MDL2445* (MIN). Plains of Pine County, 3.3 mi. NE of Willow River, 25 Aug 1993, *K. M. Myhre 4,550* (MIN). NE of Spirit Lake, along shores of Little Turtle Lake, 18 Aug 1995, *K. M. Myhre 6,127* (MIN). 6 mi. NE of Bruno in border between roadside and bog-surrounded lake, 8 Aug 1993, *K. M. Myhre 4,413* (MIN). Saint Louis County, In shallow water, Oatha Beach addition, Duluth, 26 Aug 1937, *O. Lakela 2,290* (MIN). In shallow water, Oatka Beach Addition, Duluth, 26 Aug 1937, *O. Lakela 2,290* (WIS). Wadena County, Peatland 1 mi NW of the Knob Hill, Crow Wing River campground, S-SW of Oylen, 7 Sep 2007, *M. D. Lee MDL4557* (MIN). County Unknown, Mud Lake, 8 Sep 1930, *N. Hotchkiss & P. Jones 4,137* (MIN). **New Hampshire:** Hillsboro County, mill-pond, 13 Sep 1902, *C. H. Knowlton 23,672* (WIS). **New York:** Columbia County, Knickerbocker Lake, 11 Aug 1933, *R. McVaugh 1,993* (NYS). Jefferson County, Shore Lake Ontario, Woodville, 11 Sep 1923, *H. D. House 9,921* (BH). Warren County, Mud Pond above Pattens Mills, 12 Sep 1896, *Stewart H. Burnham s. n.* (BH). Washington County, Muddy shore of Copeland Pond, West Forst Ann, 4 Aug 1918, *H. Burnham s. n.* (BH). **Pennsylvania:** Inlegible, 23 Jul 1888, *J. H. 164* (BH). **Vermont:** Chittenden County, Atwood North Bay, Brandon, 12 Aug 1911, *D. Lewis s. n.* (VT). Windham County, Pool at mouth of Williams River, Rockingham, 8 Aug 1985, *P. F. Zika 9,304* (VT). **Wisconsin:** Adams County, floating sedge mats, 22 Aug 1962, *P. D. Sorensen 4,364B* (WIS). Burnett County, Sand Lake, 12 Sep 1929, *N. C. Fassett 11,998* (WIS). Dane County, 4 mi NE of Oregon, 5 Sep 1946,

N. C. Fassett 22,545 (WIS). Douglas County, Sandy-peaty receding shoreline of Deer Print Lake, Barnes area, 22 Jul 1995, *E. J. Judziewicz* 11,421 (WIS). Wet depression N of Mud Lake, 2 Aug 1981, *S. Solheim* 596 (WIS). Jefferson County, Red Cedar Lake, 26 Aug 1972, *B. Werner s. n.* (WIS). Red Cedar Lake, 12 Oct 1956, *J. Janecek s. n.* (WIS). Manitowoc County, Mucky shore of Cedar Lake, 14 Jul 1984, *N. C. Fassett* 17,748 (WIS). Marinette County, Mud flat south of Harper Road, Silver Cliff, 20 Aug 1989, *G. Fewless* 5,735 (WIS). Marinette, on mud, 08 Jul 1891, *J. H. Schuette* 1,625 (WIS). 13 Aug 1892, *J. H. V.* 31,184 (WIS). Shore of Turtle Lake, 4 mi SW of Neshkoro, 3 Oct 1958, *H. H. Iltis et al.* 12,503 (WIS). Marquette County, Silver Lake, 17 Sep 1988, *Q. Carpenter s. n.* (WIS). Seepage Lake, N. side of Co. Hwy. E, opposite end of Co. Hwy. Y 8 miles N. of Montello, 29 Aug 1990, *T. S. Cochrane et al.* 12,501 (WIS). Mud flat, 15 Jul 1977, *W. E. Tans* 1,625 (WIS). Sandy Lake, 17 Sep 1988, *W. Carpenter s. n.* (WIS). SE and S, shores of Silver Lake, 29 Aug 1990, *T. S. Cochrane et al.* 12,482 (WIS). SE end Silver Lake, 13 Sep 1981, *E. Joudziewicz et al.* 2,905 (WIS). SE and S, shores of Silver Lake, 17 Sep 1988, *H. H. Iltis* 31,184 (WIS). Oneida County, N of Horsehead Lake, S of park, ca. 1 mi. S. of Lake Tomahawk, 2 Aug 1995, *Andy Clark* 956 (WIS). About 100m east of the outlet of Bear Lake, 12 Aug 1996, *C. R. Ontl* 540 (WIS). Ozaukee County, Cedarburg bog, 30 Jul 1934, *H. Cutter* 279 (WIS). Cedarburg bog, 30 Jul 1934, *N. C. Fassett* 17,574 (WIS). Portage County, Jacqueline Lake, 15 Aug 1981, *WDNR s. n.* (WIS). Walworth County, NW of Beulah, 1 mi. S. Hwy. J, 17 Aug 1975, *T. S. Cochrane et al.* 7,033 (WIS). Whitewater Lake, 26 Aug 1973, *W Tans* 186 (WIS). N. shore of Pell Lake, 26 Sep 1964, *F. Swink s. n.* (WIS). NW of Lake Beulah, 3 Sep 1975, *F. A. Swink et al. s. n.* (WIS). Beulah Bog Scientific Area, 27 Jul 1975, *W. E. Tans* 1,362 (WIS). Whitewater Lake, 5 Sep 1971, *W. E. Tans s. n.* (WIS). Waupaca County, muck Vesey Lake, 11 Jul 1959, *H. H. Iltis* 13,724 (WIS). Versey Lake, 11 Jul 1959, *H. H. Iltis* 13,724 (WIS). Waushara County, Virginia Lake, 25 Aug 1962, *P. D. Sorensen* 4,513 (WIS). Pickerel Lake, 21 Sep 1963, *H. H. Iltis* 21,147 (WIS). Sand Lake, 23 Aug 1958, *T. G. Hartley* 5,657 (WIS).

Schoenoplectiella smithii (A.Gray) Hayas. **var. *smithii***

CANADA. **Ontario:** Dundas, Sand beach of St. Lawrence River, 17 Sep 1953, *W. G. Dore & J. M. Gillett* 14,829 (NYS). Haldimand-Norfolk, Turkey Point Provincial Park, "Ordinance Beach", 1 Sep 1991, *M. J. Oldham & G. M. Allen* 13,408 (NYS). Turkey Point Beach at south end near marina, 28 Sep 1995, *M. J. Oldham & J. Bonin* 18,274 (QFA). Turkey Point Prov. Park, Ordinance beach, 1 Sep 1991, *M. J. Oldham* 13,408 (WIS). Turkey Point beach at south end near marina, 28 Sep 1995, *M. J. Oldham* 18,275 (WIS). Lambton, Kettle Point, Lake Huron, 13 Aug 2001, *M. J. Oldham et al.* 27,097-a (WIS). Kettle Point, Lake Huron, 13 Sep 2001, *M. J. Oldham et al.* 27,097-b (WIS). Muskoka, Georgian Bay, on south shore of peninsula just after portage from 12 mile bay, 21 Aug 1977, *H. L. Dickson et al.* 1,373 (CAN). Beausoleil Island, along Pappoose Bay. Georgian Bay Islands National Park, 19 Aug 1981, *R. S. W. Bobbette* 7,277 (CAN). O'Donnell Point. Georgian Bay, 1 Aug 1977, *S. Darbyshire et al.* 77,123 (CAN). Georgian Bay, south side of Twelve Mile Bay at Island West of Moose Point Marina, 20 Aug 1977, *H. L. Dickson* 1,331 (CAN). South side of Twelve Mile Bay, 14 Sep 1999, *A. A. Reznicek et al.* 10,988 (QFA). Go Home Bay, 20 Aug 2001, *R. Ben-Oliel* 35-2 (WIS). Cognashene Lake, 22 Aug 2001, *R. Ben-Oliel* RABO2-14 (WIS). Franklin Island, 19 Sep 2001, *R. Ben-Oliel* 02-13 (WIS). Twelve Mile Bay, Georgian Bay, 14 Sep 1999, *A. A. Reznicek et al.* 10,988 (WIS). Twelve Mile Bay, Georgian Bay, 14 Sep 1999, *A. A. Reznicek et al.* 10,988 (WIS). Twelve Mile

Bay, Georgian Bay, 14 Sep 1999, *A. A. Reznicek et al. 10,992* (WIS). Cognashene Lake CR C35, western shore, 22 Aug 2001, *R. Ben-Oliel 2-28* (WIS). Inlet of Georgian Bay, south side of Twelve Mile Bay, 26 Aug 1932, *Carl O. Grassl 3,613* (MT). Niagara, NE base of Point Abino, Abino Bay, Lake Erie, 26 Sep 1999, *M. J. Oldham 23,178* (QFA). Northumberland, Presqu'île Point. Presqu'île Provincial Park, 9 Sep 1978, *S. Darbyshire et al. 595* (CAN). Old Toronto, Toronto Island, 17 Sep 1896, *W. Scott 16,424* (CAN). Parry Sound, Franklin Island, 28 Aug 2001, *J. V. Jalava 300* (WIS). Franklin Island, 17 Jul 2001, *J. V. Jalava 302* (WIS). Shawanaga Island, 19 Sep 2001, *R. A. Ben-Oliel RABO2-15* (WIS). Shawanaga Island Conservation Reserve, 19 Sep 2001, *J. V. Jalava & W. L. Cooper 313* (WIS). Georgian Bay shoreline near Imrie Lake, ca. 4.5km NW of Brooks Landing, 19 Sep 2001, *M. J. Oldham 27,134* (WIS). Georgian Bay, Big Burnt Island, Naiscoot River South Channel, 19 Sep 2001, *M. J. Oldham 27,180* (WIS). North Georgian Bay Shoreline and Island Conservation Reserve, 19 Sep 2001, *J. V. Jalava & W. Cooper 316* (WIS). Franklin Island, 28 Aug 2001, *M. J. Oldham JVJ2001-299* (WIS). Shawinaga Island, Georgian Bay, 19 Sep 2001, *M. J. Oldham 27,163* (WIS). Georgian Bay, Big Burnt Island, Naiscoot River South Channel, 19 Sep 2001, *M. J. Oldham 27,186* (WIS). Georgian Bay, Le Blanc Bay, 6km S of Bayfield Inlet, 19 Sep 2001, *M. J. Oldham 27,167* (WIS). Franklin Island, 28 Aug 2001, *J. V. Jalava 301* (WIS). Shawinaga Island Georgian Bay, 19 Sep 2001, *M. J. Oldham 27,162* (WIS). Killbear Provincial Park, Lighthouse Point beach, 18 Aug 2000, *M. J. Oldham 24,352* (WIS). Sudbury, on beach near Model Bay, West Knob, Cloche Mts, 26 Aug 1932, *Carl O. Grassl 3,613* (MT). Beauharnois, Nouveau-Salaberry (Valleyfield), 27 Sep 1940, *F. F. Marie-Victorin & Rolland-Germain 1,611* (MT). Nouveau-Salaberry, 27 Sep 1940, *F. F. Marie-Victorin & Rolland-Germain 1,611* (QFA). Champlain, La Perade. Rang Grand Sainte-Marie, 10 Sep 1995, *Marcel Blondeau LP95,001* (MT). La Perade, 31 Aug 1994, *M. Blondeau 94S117* (QFA). La Perade, 9 Sep 1997, *M. Blondeau 97PER-004* (QFA). La Perade, 9 Sep 1997, *M. Blondeau 97PER-003* (QFA). La Perade, 10 Sep 1995, *M. Blondeau LP95,001* (QFA). Levis, Saint-Nicolas, anse Aubin, 10 Sep 1995, *F. Coursol & D. Bouchard 95-302* (MT). L'Île-d'Orléans, Sud du pont de l'île d'Orleans, 6 Aug 1975, *B. Gauthier 369-75* (QFA). Lotbinière, Sainte-Croix, pointe au Platon, 5 Sep 1995, *F. Coursol & D. Bouchard 95-194* (QFA). Leclercville, 28 Aug 1960, *G. Lemieux 1,679* (QFA). Montmagny, Batture a l'ouest de l'emboucure de la riviere du Sud, 27 Aug 1995, *F. Coursol & D. Bouchard 95-806* (MT). Montmorency, Chateau-Richer, 9 Sep 1965, *R. Gauthier et al. 95-593* (QFA). Montreal, Vaudreuil-Soulanges. Baie Madore, au nord de l'île Perrot, Lac Saint-Louis, 8 May 1965, *Fr. L. Levesque et al. 650,805-2,660* (MT). Vaudreuil-Soulanges. Baie Madore, au nord de l'île Perrot, Lac Saint-Louis, 8 May 1965, *Fr. L. Levesque et al. 650,805-2,660* (MT). Francheville. La Perade, au bout du chemin de l'île a Lafond, 10 Sep 1995, *Andre Sabourin & Denis Paquette 1,526* (MT). sables humides de la plage Missisquoi a l'ouest de l'embouchure de la riviere aux Brochets, 16 Sep 1989, *Andre Sabourin & Denis Paquette 375* (MT). Portneuf, Saint-Augustin-de-Desmaures, 16 Aug 2002, *R. Claude 02-5053-C* (QFA). Saint-Augustin-de-Desmaures, 26 Sep 2002, *R. Claude 02-5189-C* (QFA). Quebec, Cap-Rouge. Rive nord de la riviere Cap Rouge, 18 Aug 1978, *J. P. Bernard et al. B78-570* (CAN). Zone intercotidal de la griève de Beauport, 8 Aug 1922, *Rolland 15,107* (MT). Zone intercotidal de la griève de Beauport, 8 Aug 1922, *Rolland 15,107* (MT). Zone intercotidal de la griève de Beauport, 8 Aug 1922, *Rolland 15,107* (MT). Cap-Rouge, anse du Cap-Rouge, 18 Aug 1995, *F. Coursol & D. Bouchard 95-002* (MT). Cap-Rouge, 18 Aug 1978, *J. P. Bernard et al. B78-570* (QFA). Vaudreuil, Au nord de l'île Perrot, 5 Aug 1965, *F. L. Levesque et al. 2,554* (QFA). U. S. A. **Connecticut:** New London County, Selden Cove, Lyme, 11 Sep 1902, *C. H. Bissell s. n.* (PAC). Selden's Cove, Lyme, 6 Sep

1911, *R. W. Woodward s. n.* (VT). Selden's Cove, Lyme, 29 Aug 1901, *C. H. Bissell s. n.* (VT). Shore of Connecticut River at Seldens Cove, 6 Sep 1911, *E. B. Harger 5,949* (MT). **Delaware:** New Castle County, Philadelphia, No Date, *C. E. Smith s. n.* (CAN). **Indiana:** Lake County, Muddy border of slough, Berry Lake, Whiting, 18 Aug 1887, *Agnes Chase s. n.* (BKL). Porter County, Wet sands on Dune Park, 17 Sep 1912, *L. M. Umbach 40,298* (WIS). Low sands on Dune Park, 9 Aug 1909, *L. M. Umbach 33,209* (WIS). Dune Park, 8 Sep 1908, *L. M. Umbach s. n.* (WIS). Dune Park, 8 Sep 1908, *L. M. Umbach 2,625* (WIS). Dune Park on Lake Michigan, 9 Aug 1909, *L. M. Umbach 4,494* (WIS). **Massachusetts:** Worcester County, Quaboag Pond, East Brookfield, 10 Sep 1956, *Dr. & Mrs. B. N. Gates & F. C. Seymour 16,958* (WIS). **Michigan:** Kalamazoo County, 4.3 miles northeast of Vicksburg, rather abundant on sandy east shore of Pickerel Lake, 19 Aug 1966, *A. E. Schuyler 3,917* (NY). Along ditch Austin Lake, 19 Aug 1937, *C. R. Hanes 3,717* (NY). Livingston County, abundant on drying mucky-sandy shore of Homer Lake, ca. 5 mi NW of Shelby, 20 Aug 1957, *E. G. Voss 5,328* (LKHD). Menominee County, Abundant on beach in 1/2 inch of water, at entrance to Henes Park, City of Menominee, 31 Jul 1933, *Carl O. Grassl 2,806* (NY). **Minnesota:** Hennepen County, wet place, Aug 1890, *H. J. Sandberg 24,461* (WIS). Aug 1890, *H. Sandberg s. n.* (MIN). Ramsey County, White Bear L., 16 Jul 1886, *L. H. Bailey s. n.* (BH). Washington County, On wet sand shore, S.W. end of Forest Lake, 17 Sep 1929, *C. O. Rosendahl 6,125* (MIN). County unknown, Aug 1890, *G. B. Aiton s. n.* (MIN). **New Hampshire:** Grafton County, Shallow water of sand bars, Squam Lake, Holderness, 26 Aug 1924, *H. K. Svenson s. n.* (BKL). **New Jersey:** Burlington County, along Delaware R. below sewage disposal at Beverly, 16 Sep 1971, *A. E. Schuyler 4,293* (WIS). Camden County, Tidal mud, 11 Sep 1923, *Francis W. Pennell 12,007* (BKL). Camden, No Date, *A. H. Smith s. n.* (BKL). Camden, No Date, *A. H. Smith s. n.* (BKL). Tidal mud below Camden, 8 Feb 1905, *A. H. Smith s. n.* (PAC). Tidal mud, Camden, 6 Oct 1867, *E. Diffenbaugh s. n.* (WIS). Tidal mud, 11 Sep 1923, *F. W. Pennell 12,007* (MT). Hunterdon County, Lake Hopatcong, 26 Sep 1898, *H. L. Fisher 14,652* (WIS). Morris County, Lake Hopatcong, 21 Sep 1898, *H. L. Fisher 9,163* (WIS). **New York:** Albany County, Muddy tidal shore of Hudson River, 22 Sep 1923, *H. K. Svenson s. n.* (BKL). Cayuga County, Wet sandy shore, Big Gully Point, Springport, 21 Sep 1918, *A. J. Eames, K. M. Wiegand 9,348* (NY). Farley's Pt., 4 Sep 1900, *s. n.* (BH). Utts Point, Cayuga Lake, 04 Aug 1881, *W. R. Dudley s. n.* (BH). Utts Point, Cayuga Lake, 5 Aug 1881, *W. R. Dudley s. n.* (BH). Farley's Pt., 16 Aug 1895, *K. M. Wiegand s. n.* (BH). Farleys, 17 Aug 1895, *K. M. Wiegand s. n.* (BH). Wet sandy shore, Big Gully Point, 21 Sep 1918, *A. J. Eames & K. M. Wiegand 9,348* (BH). Wet sandy shore, Big Gully Point, Cayuga Lake, Springport, 21 Sep 1918, *A. J. Eames & K. M. Wiegand 9,348* (BH). Farley's Point, Cayuga Lake, 16 Aug 1895, *K. M. Wiegand s. n.* (NYS). Clinton County, Lake Champlain, Plattsburgh, 11 Aug 1977, *Stanley J. Smith et al. 53,756* (NYS). Columbia County, Tidal mud flats, Hudson River, Newton Kook, 28 Aug 1934, *W. C. Muenscher 4,420* (BH). Tidal mud flats, Hudson River, Nutten Hook, 10 Sep 1935, *W. C. Muenscher 5,002* (BH). Tidal mud flats, Rogers Island, Hudson River, 1 Sep 1936, *W. C. Muenscher 5,684* (BH). Tidal mud, shore of Hudson R., opposite N. end Rogers Is, 21 Aug 1934, *R. McVaugh 2,954* (NYS). Tidal mud, SE of Rogers Is., Hudson R, 1 Sep 1936, *R. McVaugh 4,468* (NYS). Dutchess County, vicinity of Pine Plains, 23 Jul 1878, *L. H. Hoysradt s. n.* (BH). Greene County, Tidal mud flats, Duck Cove, Hudson River, 3 Sep 1936, *W. C. Muenscher 5,683* (BH). Tidal mud flats, Catskill Creek, Hudson River, 4 Sep 1936, *W. C. Muenscher 5,685* (BH). Tidal mud flats, Duck Cove, Hudson River, 3 Sep 1936, *W. C. Muenscher 5,683* (BKL). Tidal mud flats, Catskill Creek, Hudson River, 4 Sep 1936, *W. C. Muenscher 5,685* (NYS). Tidal mud flats, Duck Cove, Hudson River, 3 Sep 1936, *W. C.*

Muenschner 5,683 (NYS). Tidal mud flats, Duck Cover, Hudson R, 3 Sep 1936, *W. C. Muenschner* 5,683 (WIS). Tidal mud flats, Catskill Creek, Hudson River, 4 Sep 1936, *W. C. Muenschner* 5,685 (BKL). Jefferson County, In sand, Muskalonge Bay, 20 Aug 1931, *W. C. Muenschner* 2,086 (BH). In mud overlying limestone, Guffin Bay, 30 Aug 1931, *W. C. Muenschner* 2,085 (BH). Sacketes Harbor, Aug 1869, *Westminster s. n.* (BH). Sandy dune along Lake Ontario, Woodville, 9 Sep 1921, *H. D. House* 8,636 (CAN). Sandy soil along Lake Ontario, Woodville, 9 Sep 1921, *H. D. House* 8,636 (NYS). Sand, Muskalonge Bay, 21 Aug 1931, *W. C. Muenschner* 2,086 (NYS). In sand, Muskalonge Bay, 20 Aug 1931, *W. C. Muenschner* 2,086 (WIS). Madison County, Oneida Lake, Lewis Point, 28 Sep 1936, *H. D. House* 24,363 (BH). Oneida, No Date, *G. D. Hulst s. n.* (BKL). Sytan Beach, Oneida Lake, 24 Aug 1906, *H. D. House* 2,803 (BKL). Shore of Oneida Lake, Lewis Point, 28 Sep 1936, *H. D. House* 24,363 (BKL). South of Oneida Lake, W. side of Lewis Point, 28 Sep 1936, *H. D. House* 24,363 (NYS). Oneida County, Moist sand, shore of Oneida Lake, Syloan Lake, 2 Oct 1939, *H. D. House* 17,066 (NY). Shore of Oneida Lake, North Bay, 27 Aug 1934, *H. D. House* 22,108 (BH). Sandy shore of Oneida Lake, Verona, 18 Aug 1900, *J. V. Haberer* 1,181 (BH). Oneida Lake, 18 Aug 1900, *J. V. Haberer* 1,181 (BH)., Sylvan Beach, 13 Sep 1922, *W. C. Meunschner* 14,595 (BH). Sylvan Beach, 26 Aug 1929, *H. D. House* 17,066 (BH). Oneida Lake, 13 Jan 1905, *Dr. Kneiskern* 17,066 (BH). Sand shore of Oneida Lake, Sylvan Beach, 15 Aug 1920, *H. D. House* 7,678 (CAN). Sylvan Beach, Oneida Lake, 4 Sep 1906, *W. W. Rowlee s. n.* (NYS). Sylvan Beach, Aug, *C. H. Peck s. n.* (NYS). Oneida, No Date, *Knieskem s. n.* (NYS). Shore of Oneida Lake, North Bay, 27 Aug 1934, *H. D. House* 22,108 (NYS). Sylvan Beach, Oneida Lake, 19 Aug 1917, *H. D. House* 17,066 (NYS). Oneida Lake, Verona, 2 Aug 1900, *J. V. Haberer* 1,181 (VT). Orange County, Sterling Forest, N. of causway along the north end of Sterling Lake, 18 Aug 1998, *R. S. Mitchell* 9,870 (NYS). Oswego County, Sylvan Beach Oneida Lake, 4 Sep 1906, *W. W. Rowlee s. n.* (BH). Shore of Oneida Lake, Cleveland, 20 Aug 1933, *H. D. House* 20,816 (NYS). Saratoga County, moist soil along south shore of Saratoga Lake, 22 Sep 1939, *H. D. House* 25,372 (BH). Saratoga, Shore of Saratoga Lake, 14 Oct 1937, *H. D. House* 25,372 (NY). Moist soil along south shore of Saratoga Lake, 22 Sep 1939, *H. D. House* 25,372 (BH). S. end of Saratoga Lake, 14 Oct 1937, *H. D. House* 25,372 (NYS). Seneca County, Cayuga Lake Shore, 4 Aug 1887, *W. R. D. s. n.* (NYS). St. Lawrence County, Shore of St. Lawrence River near Waddington, 22 Aug 1935, *H. D. House* 22,920 (BH). In sand, mouth of Pollys Creek, 5 Sep 1930, *W. C. Muenschner* 1,025 (BH). St. Lawrence County, Massena, Robert Moses State Park S. shore of St. Lawrence River, 20 Aug 1995, *N. C. Eldblom* 3,288 (BH). Shore of St. Lawrence River, Murphy Point, near Waddington, 22 Aug 1935, *H. D. House* 22,920 (NYS). Tompkins County, wet sand, Myers' Point., 24 Sep 1939, *S. J. Smith et al.* 1,305 (BH). Wet sand, Myers' Point., 24 Sep 1939, *S. J. Smith et al.* 1,305 (BH). Myers' Point., 13 Aug 1881, *W. R. Dudley s. n.* (BH). New sandy soil, shore of Cayuga Lake, Ithaca, 24 Aug 1914, *K. M. Wiegand & C. C. Thomas* 1,774 (BH). Myer's Point, 24 Sep 1939, *S. J. Smith et al.* 1,305 (NYS). Shore of Cayuga Lake, Ithaca, 24 Aug 1920, *C. E. Myers* 344 (PAC). Ulster County, tidal marsh, mouth of Esopus Creek, 31 Aug 1937, *H. D. House* 25,067 (NYS). Wayne County, Sodus Point, 19 Aug 1870, *E. L. Hankerson s. n.* (BKL). Sand Point, Sodus Bay, 10 Feb 1905, *E. L. Hankerson s. n.* (NYS). **Ohio:** Ottawa County, Portion from one of several small clumps seen on sand-mud flat created in 1968 behind sandy beach on east side of causeway at East Harbor, along shore of Lake Erie, in East Harbor State Park, 15 Sep 1968, *Ronald L. Stuckey* 7,754 (NY). Occasional on recently formed mud flat at East Harbor, East Harbor State Park, 13 Sep 1968, *Ronald L. Stuckey* 7,754 (NY). East Harbor, East Harbor State Park, 23 Aug 1968, *R. L. Stuckey* 7,493 (CAN). East Harbor, East Harbor State

Park, 14 Aug 1968, *R. L. Stuckey* 7,347 (CAN). East Harbor, East Harbor State Park, 14 Aug 1968, *R. L. Stuckey* 7,754 (CAN). East Harbor, East Harbor State Park, 13 Sep 1968, *R. L. Stuckey* 7,754 (QFA). Oconto County, Little River, North Bayshore Recreation Area, 8 Sep 1989, *G. Fewless* 5,670 (WIS). **Pennsylvania:** Erie County, Presque Isle, Erie, 10 Feb 1905, *Porter s. n.* (BH). Big Pond, Presque Isle, Erie, 20 Aug 1941, *Nelle Ammons* 13 (BKL). Erie, 31 Aug 1937, *M. S. Bebb s. n.* (NYS). Presque Isle, Erie, 10 Feb 1905, *A. P. Garber s. n.* (PAC). **Rhode Island:** Washington County, South Kingston, 14 Sep 1874, *J. W. Congdon s. n.* (VT). South Kingston, 14 Sep 1874, *J. W. Congdon s. n.* (VT). Worden Pond, South Kingstown, 1 Sep 1930, *J. F. Collins s. n.* (MT). SE shore Worden Pond, South Kingstown, 25 Aug 1929, *J. F. Collins s. n.* (MT). Eastern shore of Worden Pond, South Kingstown, 16 Aug 1930, *J. F. Collins s. n.* (MT). **Vermont:** Addison County, Ferrisburg, shore of Lake Champlain, 20 Aug 1882, *C. E. Faxon s. n.* (BH). Ferrisburg, shore of Lake Champlain, 20 Aug 1882, *C. E. Faxon s. n.* (BH). Sandy shore of Lake Champlain, Keelers Bay, Ferrisburgh, 20 Sep 1882, *C. E. Faxon s. n.* (VT). Lake Champlain, Ferrisburgh, 14 Sep 1881, *C. E. Faxon s. n.* (VT). Chittenden County, On Sand bar, mouth of Winooski River, 12 Sep 1929, *W. C. Muenscher et al.* 293 (BH). Lake Champlain, Burlington, 7 Sep 1959, *Jean-Paul Bernard* 59-306 (MT). Mouth of Winooski, 8 Aug 1895, *A. J. Grout s. n.* (BKL). Burlington, Lake Champlain, 7 Sep 1959, *Jean-Paul Bernard* 59-306 (CAN). Burlington, Lake Champlian, 7 Sep 1959, *J. P. Bernard* 59-306 (QFA). Lake shore, N, end of North Rd., near jct. of Winooski R. and Lake Champlain, 27 Sep 1975, *H. E. Ahles* 81,626 (WIS). Mouth Winooski River, 21 Aug 1895, *L. R. Jones s. n.* (VT). Sand flats off mouth of Winooski River, 29 Sep 1903, *E. Brainerd s. n.* (VT). Near mouth of Winooski River, Burlington, 20 Jul 1895, *N. F. Flynn s. n.* (VT). Mouth of Winooski River, 08 Aug 1895, *collector unknown* (VT). Mouth of Winooski River, Burlington, 15 Aug 1903, *N. F. Flynn s. n.* (VT). North beach, Starr Farm, Burlington, 11 Sep 1911, *N. F. Flynn s. n.* (VT). Near mouth of Winooski River, Burlington, 29 Aug 1909, *N. F. Flynn s. n.* (VT). Burlington, lake shore near mouth of river, 23 Aug 1911, *N. F. Flynn s. n.* (VT). Sandy shore of Lake Champlain, just N. of Starr Farm Beach, Burlington, 12 Sep 1999, *E. H. Thompson s. n.* (VT). Halfway between Starr Farm and river, Burlington, 30 Aug 1903, *N. F. Flynn s. n.* (VT). Shore of Lake Champlain, 27 Jul 1911, *S. F. Blake* 2,296 (VT). Sandy marsh along Lake Champlain, Burlington, 26 Nov 1986, *M. Rose Paul* 2,296 (VT). Near mouth of Winooski River, Colchester, 08 Aug 1895, *C. C. Tracy & A. J. Grant s. n.* (VT). Mouth of Winooski River, Burlington, 15 Aug 1899, *W. W. Eggleston & L. R. Jones s. n.* (VT). Lake shore, Burlington, 10 Sep 1905, *N. F. Flynn s. n.* (VT). Rutland County, Sand bar bridge, Middletown Springs, 29 Aug 1932, *E. J. Dole s. n.* (VT). **Wisconsin:** Marinette County, Mucky two track road in Blueberry Burn, western Preshtigo Harbor State W.A, 31 Aug 2003, *Andy Clark* 2,040 (WIS). Marinette County, Sandy beach of Lake Michigan, west of Dyers Slough in Preshtigo Harbor State W.A, 3 Sep 2003, *Andy Clark* 2,048 (WIS). Low water beach of Lake Michigan, southwestern Preshtigo Harbor State W.A, 9 Sep 2003, *Andy Clark* 2,052 (WIS). Exposed mudflats of Lake Michigan, Preshtigo, 3 Sep 1989, *G. Fewless* 5,895 (WIS). Small pool behind the Green Bay beach west of the mouth of the Preshtigo River, 9 Aug 1989, *G. Fewless* 5,628 (WIS). Marquette County, Sandy beach of Turtle Lake, 3 Oct 1958, *H. H. Iltis et al. s. n.* (WIS). Waupaca County, muddy shore of White Lake, 12 Sep 1931, *J. W. Rhodes* 13,162 (WIS). Muddy shore of White Lake, 12 Sep 1931, *J. W. Rhodes* 13,162 (MT).

Schoenoplectiella smithii (A. Gray) Hayas. **var. ?**

U. S. A. **New York:** Columbia County, 1 mi S. of Poelsburg, 2 Sep 1935, *R. McVaugh* 3,808 (NYS). **New York:** Orange County, Warwick, N end of Sterling Lake, 15 Aug 2003, *David Werier* 1,816 (NYS). **New York:** Ulster County, Roundout Cr. Napanoch, 10 Aug 1964, *M. Domville* 75 (NYS). **New York:** Ulster County, Hudson River mudflats, mouth Roundout, 4 Sep 1948, *H. F. Dunbar* 1,104 (NYS). **Rhode Island:** Providence County, Providence, Jul 1845, *G. Thurber s. n.* (VT).

Schoenoplectiella subbisetosa (T. Koyama) Hayas.

NEPAL. **Karnali Zone:** Jumla District, growing in wet grassland, 31 Jul 1952, *O. Polunin, W. R. Sykes, L. H. J. Williams* 4,953 (NY). Mugu District, Rara, on open and wet place, 21 Jul 1979, *K. R. Rajbhandari, B. Roy* 3,695 (NY). **Admin unknown:** Rava Daha, Growing in 1-2ft of water around shore of lake, 13 Aug 1952, *O. Polunin, W. R. Sykes, L. H. J. Williams* 5,150 (NY).

Schoenoplectiella supina (L.) Lye

HUNGARIA. **Admin unknown:** 23 Aug 1926, *A. Boros s. n.* (NY). KAZAKHSTAN. **Uralsk Province:** 14km SW of railway st. Shungai. Firth (liman) Krarkul. Meadow on outskirts of firth, 25 Jul 1993, *G. Yu. Klinkova s. n.* (NY). **Western Kazakhstan Province:** 14 Km SW of railway St. Shungai, 19 Sep 1926, *Ernst Sulger Buel s. n.* (NY). **Admin unknown:** 19 Sep 1926, *Ernst Sulger Buel s. n.* (NY). SWITZERLAND. **Vaud:** Nyon, Pres Nyon jaue, No Date, *Thomas s. n.* (NY). **Admin unknown:** helvetica Maggiadeltabei locaino aut, 8 Sep 1931, *Walo Koch s. n.* (NY). UKRAINE. **Admin unknown:** Kiev, near Troeshchina, gulf of the Dniper, get too dry, damp mud sand, 12 Aug 1987, *S. L. Mosyakin s. n.* (NY).

Schoenoplectiella triangulata (Roxb.) J. Jung & H. K. Choi

CHINA. **Anhui Province:** Taiping County, Gantangzhen, 20 Jul 1990, *Chenyaodong etc* 5,153 (MO). **Guangdong:** Yangchun Xian, 31 Aug 1956, *C. Wang* 42,065 (MO). **Guangxi Zhuang:** Guilin, alt 220m, in ravine, 1 Jan 1979, *Chow, Wan* 79,041 (NY). Guilin, alt 220m, in ravine, 1 Jan 1979, *Chow, Wan* 79,041 (NY). **Hainan Province:** The left side of Hui Ka Liu Ko Kai Ts'o Lin Fa Shan and vicinity (Lam Ko District), 3 Aug 1927, *Tsang, Wai-Tak* 309 (NY). Wet, level land, rice terrace, Pak Shik Ling and vicinity, Ku Tung Village (Ching Mai District), 14 Sep 1932, *C. I. Lei* 1,005 (NY). Yaichow, Hainan, in watery meadow, 9 Jul 1933, *F. C. How* 70,988 (NY). In ravine, Noh Pong Shan (Taam-chau) District, 13 Sep 1927, *Wai-Tak Tsang* 844 (NY). INDIA. **Karnataka:** Hassan District, in full sun, in marshy ground at edge of tank behind *Scirpus corymbosus* zone, tank near Rily. Station, Mysore, 10 Nov 1971, *S. S. Hooper, K. N. Gandhi* 2,380 (MO). **Tamil Nadu:** Dindigul district, Kodai Kanal, Ferry Falls, 22 Sep 1982, *J. Klackenberg, R. Lundin* 048 (NY). INDONESIA. **North Sumatra:** Asahan Regency, Vicinity of Aek Moente (Aer Moette), Asahan (northeast of Tomoean Dolok and west of Salabat, alt. ca. 500m, 15 Jun 1936, *Rahmat Si Boeea* 9,118 (NY). JAPAN. **Kagoshima Prefecture:** Isl. Okinoerabu, en route from Kamishiro to Ooyama. Maddy ground by a pond, 2 Aug 1958, *M. Tagawa, K. Iwatsuki* 2,169 (NY). **Kumamoto Prefecture:** Hitoyoshi Higo, 26 Oct 1960, *K. Mayebara* 6,652 (NY). **Kyoto Prefecture:** Kanaido, Mukaizima, 26 Sep 1931, *Tagawa-Motozi* 735 (NY). MADAGASCAR. **Admin unknown:** Movememga?, 1 Sep 1953, *J. Bossen* 6,710 (NY). NEPAL. **Gandaki Zone:** Kaski District, Argam, near Pokhara, in boggy ground, 11 Sep

1954, *Stainton, Sykes, Williams* 7,182 (NY). **Kosi Zone:** Sankhuwasabha District, Eastern Nepal, Arun Valley, Hatiar, N. of Num, in a marsh, 20 Aug 1956, *J. D. A. Stainton* 1,391 (NY). NEW CALEDONIA. **Admin unknown:** Kone, 13 Mar 1976, *M. Mackee* 196 (MO). PHILIPPINES. **Luzon:** Benguet Province, Bagmis, 1 Oct 1905, *Elmer D. Merrill* 4,342 (NY). RUSSIA. **Astrakhan Province:** Kharabalinskyi District, 7km SW of Selitrennoe, rice fields, in shallow water & wet banks, 24 Aug 1993, *Caranaev et al. s. n.* (MO). 7km SW of Selitrennoe, rice fields, in shallow water & wet banks, 24 Aug 1993, *Caranaev et al. s. n.* (NY). TAIWAN. **Pingtung County:** Wanluan Hsiang, Ssukou River side, loam soil, high humidity, full sun, 30 Apr 2000, *Shing-Min Ku* 581 (NY). ZAMBIA. **Admin unknown:** Fiwila, Mkushi, stagnant backwater of small stream, 11 Jan 1958, *E. A. Robinson* 2,736 (NY). ZIMBABWE. **Mashonaland West:** Shamva District, Kasulu, Abercorn, dam, clump in water 2-3' deep, 19 Mar 1958, *L. D. E. F. Vesey* 1,557 (NY). COUNTRY UNKNOWN. **Admin unknown:** 21 Oct 1948, *G. F. deWitte* 4,569 (MO).

Schoenoplectiella wallichii (Nees) Lye

CHINA. **Anhui Province:** on slope, beside woods, Dongzhi qing-hill, 8 Sep 1992, *K. Yao* 11,935 (NY). **Guangdong Province:** N. Gate, Kochow, side of pond, 25 May 1929, *Y. Tsiang* 2,478 (NY). **Guizhou Province:** KweichowSi-mi-yao, Pa-na, Cheng-feng Hsien In field, 22 Oct 1930, *Y. Tsiang* 4,290 (NY). JAPAN. **Aomori Prefecture:** Kamikita County, Towadako Town, Takada, Natsumazawa, uncropped rice field, 1 Oct 1999, *Eisuke Hayasaka* 2,971 (MO). **Fukuoka Prefecture:** Itoshima-gun, Maebara-machi, Shinden, alt. 2m, 23 Sep 1983, *N. Inoue, T. Hirano, S. Tsutsui* 25,932 (NY). **Kumamoto Prefecture:** Kawamura, 28 Aug 1960, *K. Mayebara* 6,498 (NY). **Kyoto Prefecture:** Honshu, Ogwa-ike in Yamashiro, 26 Sep 1931, *J. Ohwi s. n.* (NY). **Nara Prefecture:** Ohwada-cho, Nara-shi. In paddy field, 31 Aug 1981, *K. Seto* 27,108 (MO). **Nara Prefecture:** Ohwada-cho, Nara-shi, in paddy field, 31 Aug 1981, *K. Seto* 27,108 (NY). PHILIPPINES. **Luzon:** Manila Province, Manila and Vicinity, 1 Dec 1914, *E. D. Merrill* 0,797 (MO). TAIWAN. **Pingtung County:** Nanjenshan, 21 Apr 1978, *T. Koyama, M. T. Kao* 8,601 (NY). **Taipei County:** Open weste rice field, Nan-kan, 23 Jun 1960, *M. T. Kao* 4,126 (MO).

Schoenoplectus acutus (Muhl.) A. Love & D. Love **var. acutus**

U. S. A. **Arizona:** Santa Cruz County, ca 61 miles SSE of Tucson, The Research Ranch just South of Elgin, desert grasslands, O'Donnell Canyon and Creek, ca 4,760 feet elevation, growing in sandy stream bed, 26 May 1984, *T. Elias, D. Petteys* 8,409 (NY). **Illinois:** Cook County, Marsh pond along Roselle Road, 1/2 mile south of Central Road, 4 miles southwest of Palatine, 10 Jul 1954, *H. R. Bennett s. n.* (NY). **Michigan:** Antrim County, west side of Intermeadiate Lake, 08 Aug 2010, *D. Shiels* 93 (CMC). Leelanau County, SW end of Lime Lake, 22 Jul 2012, *D. Shiels* 91 (CMC). South end of Lime Lake, 22 Jul 2012, *D. Shiels* 89 (CMC). St. Clair County, Dickerson Island 2, 26 Jul 2005, *A. L. B. 2005_02* (CMC). DNR dock at St. Clair Middle channel dock. Clay - 6" water, 26 Jul 2005, *A. L. B. 2005_06* (CMC). Dickerson Island 3, 26 Jul 2005, *A. L. B. 2005_04* (CMC). Dickerson Island 1, 26 Jul 2005, *A. L. B. 2005_01* (CMC). Harsens Island 2, 26 Jul 2005, *A. L. B. 2005_08* (CMC). **Montana:** Gallatin County, Madison River, 28 Jul 1895, *P. A. Rydberg* 2,277 (NY). **Nebraska:** Thomas County, On Middle Loup River, near Thedford, in water, 21 Jun 1893, *P. A. Rydberg* 1,388 (NY). **New York:** Oswego

County, In 3 ft of water on muddy bottom, South Pond, Sandy Creek Township. Alt. 246 feet, 5 Aug 1939, *Robert T. Clausen, Wendell A. Hinkey 4,361* (NY). **Ohio:** Stark County, Common in fen meadows, Jackson Bog State Nature Preserve, S side of St. Rt. 687 1/2 mi. E of Co. Rd. 238, sect. 20

Jackson Twp., Massillon Quad, 13 Jul 1993, *James S. McCormac, Stan Stine 5,270* (NY). **South Dakota:** Brookings County, Sec. 12 N1/2 Oak Lake Emergent in 0.5m water Common, 21 Jun 1983, *Kris Sletten 183* (NY). **Texas:** Randall County, ca 1 mile north of Canyon, 3 Jun 1971, *Larry C. Higgins 4,326* (NY). **Whyoming:** Park County, Yellowstone National Park, Ponds N of Lamar River Bridge near Slough Creek. Common along pond margins, 7 Jul 1980, *Robert W. Lichvar 3,072* (NY).

Schoenoplectus acutus var. occidentalis (S. Watson) S. G. Sm.

CLIPPERTON ISLAND. **Admin unknown:** Below west side of Clipperton Rock, edge of lagoon. Forming small patch in curve of low rocky point, in water, 12 Aug 1958, *M. H. Sachet 318* (NY). U. S. A. **California:** Butte County, Wyandotte Lake, E of Oroville Alt 450 meters, 31 Aug 1981, *Lowell Ahart 3,061* (NY). Fresno County, Ward L., about 3 m n.nw. of Florence L. Dam on extension of 168, 1 Aug 1953, *Chas. H. Quibell 3,020* (NY). Marin County, About 1/2 mi. N of village of Stinson Beach at S end of Bolinas Lagoon, 24 Jul 1973, *S. Galen Smith 5,557* (NY). Nevada County, Eagle Lakes, about 3.5 miles northeast of Yuba Gap. In shallow water, edge of lake, 19 Jul 1966, *Gordon H. True 2,978* (NY). Orange County, Brea Canyon, 1/2 mi N of Central Ave, along Brea Cr, near Brea Oil Co wells. In sandy-mud bar, 15 Jun 1971, *C. Davidson, G. Benny 1,540* (NY). Santa Barbara County, Between Southern Pacific R.R. yards & Cabrillo Blvd near icing plant on siding. Santa Barbara, 10 Sep 1957, *Henry M. Pollard s. n.* (NY). **Colorado:** Kiowa County, Neenoshe Reservoir, S side. Elev Open, sandy to muddy shoreline and adjacent, wooded perimeter of reservoir, 20 Aug 2000, *Craig C. Freeman, Caleb A. Morse 16,024* (NY). **Kansas:** Rawlins County, Atwood City Lake Below spillway, 26 Jul 1964, *Larry J. Harms, Ole A. Kolstad 1,789* (NY). **Nevada:** Douglas County, Cradlebaugh Bridge on Carson River at Highway 395, about 7 miles north of Minden, Carson Valley. ca 4650 ft, 14 Sep 1969, *John Thomas Howell 46,167* (NY). **Utah:** Utah County, Traverse Mountain Range Camp No. 34, 12 Jun 1992, *Molly Hysell s. n.* (NY).

Schoenoplectus acutus var. occidentalis X californicus

U. S. A. **California:** Marin County, About 0.5 mi. N of village of Stinson Beach at S end of Bolinas Lagoon along Calif. Hwy. 1, 24 Jul 1973, *S. Galen Smith 5,556* (NY). County unknown, Suisun Marshes, 13 Oct 1894, *W. L. Jepson 2,460a* (NY).

Schoenoplectus acutus x tabernaemontani

CANADA. **Ontario:** Kent, 5 miles NW of Wallaceburgh. Small colonies in shallow water, mix with subsp. *validus* and *S. americanus*, 8 Aug 1962, *T. Koyama, I. J. Basset 13,182* (NY). U. S. A. **Connecticut:** Litchfield County, Shallow water of Dog Pond, Goshen, 15 Jul 1913, *C. H. Bissell, C. A. Weatherby 3,197* (NY). Sandy margin of Dog Pond, Goshen, 24 Aug 1913, *C. A. Weatherby 3,336* (NY). **Hawaii:** Hawaii Co., Waimea (Kamuela), Along running stream, 13 Aug 1926, *Otto Degener 9,031* (NY). Kauai Co., Kohala Forest Reserve Hawaii, moist situation, 8

Aug 1926, *Otto Degener* 2,262 (NY). Hali Valley, moist situation, 11 Jun 1926, *Otto Degener* 2,229 (NY). Oahu, Hauula, marsh, 10 Jul 1923, *Otto Degener* 8,995 (NY). Waikane, 27 Jun 1926, *D Le Roy Lopping* 3,290 (NY). Hauula, marsh, 10 Jul 1923, *Otto Degener* 8,995 (NY). Makai of Crowbar Ranch, Mokulua, Sandy marsh influenced by ocean, 8 Jul 1962, *Otto Degener* 28,012 (NY). **Indiana:** Cass County, Border of Lake Cicott, 6 Oct 1934, *Scott McCoy* 3,054 (NY). Jasper County, Swamp in pasture W.E. of Prince Farm, 5 miles north and 1 mile east of Rensselaer, 1 Aug 1928, *Winons H. Welch* 802 (NY). Lake County, Millers, Calumet River, 26 Aug 1914, *L. M. Umbach* 6,773 (NY). **Massachusetts:** Essex County, 1900, *Gibbes s. n.* (NY). 1900, *collector unknown* (NY). Nantucket County, Hammock Pond, 15 Aug 1906, *Eugene P. Bicknell s. n.* (NY). **Michigan:** Grand Traverse County, Acme Twp., Bayside Park near jct. M72/M31. mucky sand near shore, 11 Aug 2005, *A. L. B. 2005_29* (CMC). Huron County, Water Fowl Bay, Saginaw Bay, 12 Jul 2007, *Droscha* 74 (CMC). Presque Isle County, Presque Isle, 30 Aug 2005, *A. L. B. 2005_16* (CMC). **Montana:** Gallatin County, 27 Jul 1895, *G. L. Shear* 521 (NY). **New Jersey:** Sussex County, Shallow waters of Swartswood Lake., 14 Aug 1921, *Kenneth K. Mackenzie s. n.* (NY). **New York:** Westchester County, On margin of Lake Waccabuc, 2 Sep 1916, *Francis W. Pennell* 8,369 (NY). **North Dakota:** Benson County, 1900, *J. Lunell s. n.* (NY). **Oklahoma:** Cimarron County, 18 W., 9 N. Boise City Inlet creek to Lake Etling. Wet, rocky, clay soil. Common. Lawrence, Kansas, 11 Jul 1974, *Steve Stephens* 79,530 (NY). 18 W., 9 N. Boise City Inlet creek to Lake Etling. Wet, rocky, clay soil. Common. Lawrence, Kansas, 11 Jul 1974, *Steve Stephens* 79,530 (NY). **Admin unknown:** 1900, *Rydberg* 2,277R (NY).

Schoenoplectus americanus (Pers) Volkart

California: Inyo County, Furnace Creek, Death Valley, 1 Mar 1940, *Lilla Leach s. n.* (NLU). Fish Slough, a desert wetland system 4.5mi north of Bishop at the northern end of Owens Valley, 1 Jun 1984, *W. R. Ferren H. C. Forbes* 322 (NLU). San Bernardino County, In rocky canyon, 1/4mi s. of the spring, Sheep Springs Canyon, 24 Mar 1964, *C. L. Hitchcock and C. V. Muhlick s. n.* (NLU). **Connecticut:** New Haven County, Milford, Brackish marsh on coast, 28 Sep 1907, *E. H. Eames, M. D.* 5,847 (NY). **Delaware:** Sussex County, Along Milton Creek, 5 Jul 1908, *N. L. Britten s. n.* (NY). **Florida:** Location and date unknown, *A. W. Chapman s. n.* (NY). Location and date unknown, *F. Rugel* 282 (NY). Bay County, Panama City, 7 Jun 2006, *Hurlbut and Monfils* 3 (CMC). Panama City, 7 Jun 2006, *Hurlbut and Monfils* 2 (CMC). Panama City, 7 Jun 2006, *Hurlbut and Monfils* 4 (CMC). Citrus County, Crystal River, "Spanish mound" (Kitchen-midden), 21 Apr 1922, *John K. Small* 10,377 (NY). Franklin County, Apalachicola, Brackish Marshes, 1 Aug 1897, *Alvin W. Chapman s. n.* (NY). Apalachicola, 1 Aug 1897, *Alvin W. Chapman s. n.* (NY). Lee County, Sanibel Island, 18 Apr 1954, *George R. Cooley* 2,683 (NY). **Georgia:** Chatham County, McQueen Island near St. Augustine, 30 Apr 1904, *Roland M. Harper* 2,181 (NY). Santa Rosa County, NW of US Hwy 90 bridge over Escambia River. Tidal marsh adjacent to Moccasin Mount (Indian shell mound), unusual to be flowering at this time of year, 11 Dec 1994, *J. R. Burkhalter and J. S. Ely* 14,536 (UWF). **Louisiana:** Cameron County, In a field at the end of Cameron Parish Road 417, west of La. 1144 and Grand Lake, Sec. 9, T12S, R9W, 13 Apr 1984, *B. E. Dutton* 1,273 and *David D. Taylor* 6,570 (NLU). Disturbed area beside Transcontinental Pipeline along Central Canal about 18 miles west of La. 27, SW of Hackberry on Sabine NWR, Sec. 32, T13S, R13W, 8 Sep 1984, *R. Dale Thomas* 91,076, *B. E. Dutton* 3,921 and *Herb Bell* (NLU). Just east of Mermentau River Bridge south of La. 82 along

access road in storage yards of Crain Brothers and Aminoil Co; T15S, R6W, 12 May 1984, *R. Dale Thomas 88,445 and Bryan Dutton 1,678* (NLU). Orleans County, Marsh north of I-10 besides first exit east of La. 47 east of New Orleans, T11S, R13E; not surveyed, 28 Jul 1974, *R. Dale Thomas, et al. 40,726* (NLU). Marsh north of I-10 besides first exit east of La. 47 east of New Orleans, T11S, R13E; not surveyed, 28 Jul 1974, *R. Dale Thomas, et al. 40,739* (NLU). Plaquemines County, brackish marsh on east bank of Bayou Dupont at junction with Round Lake, about 12 miles south of Lafitte, LA, trigonous stems, 19 Apr 1994, *Glen N. Montz, A. Lepine, T. Lee, D. Harleaux, C. Norris and R. Kelleher 6,667*, 1 Jun 1993, (NLU). St. Charles County, Abundant in marsh on east side of Couba Island, along Bayou Bardeaux near abandoned camp, trigonous stems, 4 May 1994, *Glen N. Montz, Damian Harleaux and Chuck Norris 6,733*, 1 Jun 1993, (NLU). St. Tammany County, Lacombe, 9 Jun 2006, *Hurlbut and Monifils 11* (CMC). Lacombe, 9 Jun 2006, *Hurlbut and Monifils 13* (CMC). Lacombe, 9 Jun 2006, *Hurlbut and Monifils 12* (CMC). Marsh besides La. 433 at Little Lagoon southeast of Slidell, Sec. 37, T10S, R14E, 23 May 2979, *R. Dale Thomas 64,801* (NLU). Lacombe, along La. 434 just south of Mildred Drive in vicinity of first bridge on Causeway, brackish marsh. Sec. 12, T9S, R12E, 13 Jul 1995, *Tad Zebryk and Greg McKay 2,297* (NLU). Terrebonne County, Lawn and roadbank at headquarters of Louisiana Universities Marine Consortium in Cocodrie at the end of La. 56 south of Houma; T21S, R18E, 14 Mar 1991, *R. Dale Thomas 122,942* (NLU). Vermilion County, Vermilion Company Canal at Pecan Island along the sides of the canal and surrounding grassy areas; land owned by Texaco Drilling Company, R1E, T16S, 6 Jun 1989, *Cecil Slaughter, Rose Sherff and Marty Floyd 586* (NLU). **Massachusetts:** Barnstable County, Falmouth Rd., Wood's Hole, 26 Jul 1913, *Laetitia M. Snow s. n.* (NY). Dukes County, Island of Nashawena, Elizabeth Islands, 1 Aug 1901, *Mrs. J. I. Northrop s. n.* (NY). Martha's Vineyard, At West Chop, between lighthouse and "submerged forest," 1 Aug 1885, *E. S. Burgess s. n.* (NY). Martha's Vineyard, At West Chop, between lighthouse and "submerged forest," 1 Aug 1885, *E. S. Burgess s. n.* (NY). Naushon, 7 Jul 1913, *Laetitia M. Snow s. n.* (NY). West Lackey's Bay, Naushon, 7 Aug 1913, *Laetitia M. Snow s. n.* (NY). Essex County, Kent's Island, Newburyport. Nantucket County, Nantucket Island, Bet. Abrams Pt. and Shawkemo, 2 Jun 1909, *E. P. Bicknell 1,182* (NY). **Michigan:** Clinton County, Maple River Salt Marsh, 1 Sep 1982, *Vicky Dunnevitiz and Helen Kuhn 284*(MSU). Center, N1/2 Sec. 15, T8N, R4W N side of Maple River, local co-dominant with *S. americanus* (*S. pungens*) in floodplain marsh on rich, organic soil, Stem with concave sides, 13 Jul 1980, *Susan R. Crispin 677* (MSU). T8N, R4W, NW1/4, NE 1/4, Sec 10 between Maple River and end of 2-track from Fitzpatrick Rd, 15 Aug 1981, *Susan R. Crispin 810* (MSU). Maple River, inland salt marsh, 11 Jul 2006, *Hurlbut and Monifils 60* (CMC). Center, N1/2 Sec. 15, T8N, R4W. N side of Maple River, Local co-dominant with *S. americanus* in floodplain marsh on rich organic soil, 13 Jul 1980, *Susan R. Crispin 677* (MSU). Kent County, Salt spring, Grand Rapids, Date unknown, *E. J. Cole s. n.* (MSU). **Mississippi:** Hancock County, Buccaneer State Park Nature Trail Marsh, 31 Jul 1984, *Carolyn Hermann 401* (NLU). Bay St. Louis, 9 Jun 2006, *Hurlbut and Monifils 22* (CMC). Bay St. Louis, 9 Jun 2006, *Hurlbut and Monifils 21* (CMC). Bay St. Louis, 9 Jun 2006, *Hurlbut and Monifils 23* (CMC). Jackson County, SW of Ocean Springs, 9 Jun 2006, *Hurlbut and Monifils 28* (CMC). SW of Ocean Springs, 9 Jun 2006, *Hurlbut and Monifils 29* (CMC). Near Gautier, on peninsula along W bank of West Pascagoula River where it meets Pascagoula Bay. SE of corner of Graveline Rd and Wind Drift Ln via private road (Italian Isle subdivision). Edge of stand of *Phragmites australis*, 15 Apr 1981, *James R. Burkhalter 7,547* (UWF). SW of Ocean Springs, 9 Jun 2006, *Hurlbut and Monifils 27* (CMC). **New Jersey:** Bergen County, Salt marsh, Carlstadt, 25 May 1915, *Francis W. Pennell 2,561A*

(NY). Burlington County, in swampy ground along roadside, Mt. Holly, 20 Jul 1927, *Harold N. Moldenke* 3,298 (NY). Wading River, Long Island, 8 Jul 1878, *E. S. Miller* 1,392 (NY). Cape May County, Salt marsh, Cold Spring, 24 Jul 1907, *F. W. Pennell* 1,818 (NY). Salt marshes, Dennisville, 13 Jul 1866, *C. F. Parker s. n.* (NY). West Cape May in marshes, 29 Sep 1928, *Otway H. Brown s. n.* (NY). Mammoth County, Avon, 1 Oct 1922, *Kenneth K. Mackenzie s. n.* (NY). Ocean County, Swamp south of Old Sims Pond, 31 Jul 1910, *Kenneth K. Mackenzie* 4,736 (NY). Forked River, 21 Jun 1899, *Alexander MacElwee* 633 (NY). Bay Head, 6 Jun 1916, *Francis W. Pennell* 6,957 (NY). Pt Pleasant, swamp south of Old Sims Pond. Sam's Pond, 31 Jul 1910, *Kenneth K. Mackenzie* 4,736 (NY). Forked River, Burnt Bridge, 22 Jul 1895, *C. S. Williamson s. n.* (NY). County unknown, collected before 1945, *P. D. KniesKern, M. D. s. n.* (NY). Location and date unknown, *P. D. KniesKern, M. D. s. n.* (NY). **New Mexico:** Otero County, T18S, R8W, S5, Garton Lake, salt marsh, assoc. with Typha and Tamarix Alt 4,019 ft., 25 Sep 1976, *Doug Echlin* 119 (NLU). **New York:** Bronx County, Spuyten Duyvil, 19 Jul 1891, *E. P. Bicknell s. n.* (NY). Spuyten Duyvil, 19 Jul 1891, *Eugene Pintard Bicknell s. n.* (NY). Marble Hill, Spuyten Duyvil, 1 Sep 1894, *Eugene Pintard Bicknell s. n.* (NY). Spuyten Duyvil, 10 Jun 1909, C.A. Darling. s.n. (NY). Near Unionport, New York City, 21 Jun 1901, *T. W. Edmondson* 2,018 (NY). Chemung County, Newtown, (Elmira), 2 Aug 1929, *W. C. Ferguson* 7,790 (NY). Nassau County, Bayville, Long Island, 8 Jun 1926, *William C. Ferguson* 4,844 (NY). Ocean County, Tuckerton, Salt Marsh, 1 May 1911, *Kenneth K. Mackenzie* 4,878 (NY). Onondaga County, Syracuse, Onandaga Lake, 1 Jul 1903, *J. E. Kirkwood s. n.* (NY). Queens County, Douglaston, 17 Jul 1923, *W. C. Ferguson* 2,381 (NY). Douglaston, (N. of Alley.) Salt Marsh, 17 Jul 1923, *W. C. Ferguson* 2,381 (NY). Richmond County, Staten Island, 30 Jun 1889, *Nathaniel Lad Britten s. n.* (NY). Staten Island. Near Garretsons, 30 Jun 1889, *N. L. Britton s. n.* (NY). Suffolk County, Pine Neck Point, Shinnecock Bay, Southampton, 22 Aug 1938, *W. C. Muenschler and O. F. Curtis Jr.* 6,914 (NY). Point O'Woods, Long Island, 20 Aug 1924, *William Cashman Ferguson* 3,232 (NY). Sag Harbor, Long Island, 10 Sep 1925, *William Cashman Ferguson* 4,568 (NY). North Sea, Long Island, 8 Jul 1924, *William C. Ferguson* 4,000 (NY). Riverhead, Long Island, 5 Jul 1923, *William Cashman Ferguson* 2,294 (NY). Northport, Long Island, 29 Aug 1924, *W. C. Ferguson* 3,273 (NY). Wading River, 15 Jul 1873, *H. W. Young s. n.* (NY). Wading River, 8 Jul 1878, *E. S. Miller s. n.* (NY). Wading River, 8 Jul 1878, *E. S. Miller s. n.* (NY). Montauk, Long Island, 25 Jun 1927, *W. C. Ferguson* 5,755 (NY). **Rhode Island:** Providence County, Providence, 16 Aug 1893, *Collector unknown s. n.* (NY). Providence, 22 Aug 1878, *J. W. Congdon s. n.* (NY). Providence, 31 Aug 1877, *J. W. Congdon* 1,390 (NY). Providence. *S. T. Olney s. n.* (NY). Providence, 5 Jun 1873, *J. W. Congdon* 1,391 (NY). **South Carolina:** Jasper County, With *Cicuta*, *Pontederia*, and *Peltandra* in marsh (brackish?); Red Bluff Plantation, 0.5 mi south of Good Hope Landing on the New River; ca. 2.0 air miles east of jct. of S-92 and S. C. 170A, 15 Jul 1984, *Cynthia A. Aulbach-Smith and N. B. Bryan* 3,133 (NLU). **Texas:** Jackson County, Clay at edge of permanent pool on Menehee flats S. of Vanderbilt, 26 Nov 1943, *Fred A. Barkley* 13A109 (NY). Pecos County, Fort Stockton; City Park. In dense stands in shallow running water, 3 May 1946, *V. L. Cory* 51,948 (NY). Presidio County, Cienega Ranch house on BriteRach. 3900 ft, 18 Jun 1941, *L. C. Hinckley* 1,693 (NY). Reeves County, Toyahvale north of Davis Mts., irrigation ditch. 3400 ft., 26 Jun 1935, *T. L. Steiger* 350 (NY). **Utah:** Washington County, Just SE of Washington city limits, near the Virgin River. 850 meters, 6 Jun 1986, *Larry C. Higgins* 16,865 (NY).

Schoenoplectus californicus (C. A. Mey.) Soják

AUSTRAL ISLANDS. **Admin unknown:** Rapa Island, Marshy spots near shore of bay, 9 Dec 1934, *J. P. Chapin 922* (NY). BOLIVIA. **Admin unknown:** Lac Titicaca, Huatajata, sur la cote N du Petit Lac, 14 Aug 1979, *A. Raynal-Roques, D. Collot 21,429* (NY). BRAZIL. **South Region:** Parana, Rio Pereque, 30 Oct 1966, *G. Hatschbach 15,200* (NY). Santa Catarina, Lagoa de Sombrio, Sombrio, alt. 3 m, 11 Jan 1959, *Reitz, Klein 9,336* (NY). Passo do Ignacio, margem, 1 Dec 1953, *J. Vidal IV 239* (NY). **Southeast Region:** Minas Gerais, Rio Itajai-acu, Machados, 30 Aug 1999, *M. Borgo, B. L. Reinert, M. R. Bornschein 469* (NY). EASTER ISLANDS. **Admin unknown:** Rano Kao, marshy crater floor. Alt. 410ft, 15 Jan 1935, *J. P. Chapin 1,016* (NY). MEXICO. **Chiapas:** Mun. de la Trinitaria, Along stream canal with scattered trees in extensive marsh at the ruins of Ch'encultik northeast of La Trinitaria near Monte Bello National Park, 22 Jan 1973, *D. E. Breedlove, A. R. Smith 32,093* (NY). Steep moist slope, in the barrio of Banabil, paraje of Matsab. Elevation 8,800ft, 23 Sep 1966, *Alush Shilom Ton 1,192* (NY). U. S. A. **Alabama:** Baldwin County, Bay Minette Creek near where crossed by Ala. 225 (w. of crossing), 9 Jun 1969, *R. Kral 35,176* (NY). **California:** Los Angeles County, Pasadena, Stagnant water, Cerrito, 20 Jun 1896, *A. J. McClatchie s. n.* (NY). Ballona Creek near mesmer, 12 Jun 1902, *LeRoy Abrams 2,536* (NY). Monterey County, near Moss Landing on Pajado road, 27 Sep 1903, *L. R. Abrams 4,057* (NY). Sonoma County, Bodega Harbor Marsh, fresh-water part, open, wet, sandy ground, 29 Oct 1960, *Peter Rubtzoff 4,573* (NY). Ventura County, Marsh, mouth of Ventura River, 13 Oct 1945, *Henry M. Pollard s. n.* (NY). **Georgia:** Dougherty County, Chickasawhatchee WMA, just before Bennie Hewitt property, 11 Aug 2011, *D. Shiels 31* (CMC). **Hawaii:** Kauai County, Mana, Kauai, T. Hawaii Coastal Swamp, 13 Jun 1926, *Otto Degener 2,228* (NY). Maui County, Maui. Kanaha Pond Wildlife Sanctuary, Triangle Pond. 20deg53'N, 156deg27'W, 4 Feb 1999, *Carol R. Annable, F. Duvall 3,895* (NY). Honolulu County, Oahu, 1900, *H. Mann, W. T. Brigham 25* (NY). Oahu, Kailua Marsh, In brackish water, 20 Jan 1932, *Otto Degener 9,022* (NY). Oahu East side of Kawainui Marsh, Kailua, 5 Mar 1977, *F. R. Fosberg 56,673* (NY). **Missouri:** Reynolds County, in a roadside ditch off Hwy 72, 0.9 miles SE on Hwy 72 from intersection of 72 with TT, 09 Jul 2010, *D. Shiels and P. McKenzie 01* (CMC). **New Mexico:** Harding County, On the banks of the Canadian River, 7 mi WSW of Mills, NM in the vicinity of the Mills State Campground, 1 Jul 1981, *Darrell Ward, Richard Spellenberg 81-249* (NY). **Texas:** Cameron County, Known distribution in The Lower Rio Grande Valley on resaca bank, 1900, *collector unknown 1,972* (NY). Galveston County, Roadside 8 mile road, Galveston, 6 Jun 1973, *G. A. Fryxell 11C* (NY).

Schoenoplectus confusus var. *confusus* (N. E. Br.) Lye

NAMIBIA. **Khomas Region:** Farm Rooiwater Nord, Distr. Windhoek, 23 Feb 1956, *O. H. Volk 11,577* (MO). RWANDA. **Admin unknown:** Rwuibwavu, 25 Jan 1978, *J. Raynal 20,706* (MO). TANZANIA. **Iringa Region:** Iringa District, Kihesa Village, Dry stream, rocky soil, 3 Apr 1980, *B. Mhoro 2,844* (MO). Njombe District, Gt. N. Road between Mbeya and Iringa. 3 km. west of Ikingula near Makumbako, alt. c. 1,620m. Tufted in shallow and deep water at edge of swamp, 18 Mar 1975, *S. S. Hooper, C. C. Townsend 896* (NY).

Schoenoplectus confusus var. *rogersii* (N. E. Br.) Lye

MALAWI. **Central Region:** Kasungu District, Kasungu, 40-80cm high, common in open muddy bed of a stream, 1000m alt, 28 Aug 1946, *L. J. Brass 17,448* (NY). TANZANIA. **Rukwa Region:** Sumbawanga District, 13 km on Sumbawanga-Mpanda road, 9 Apr 2006, *S. Bidgood, I. Darbyshire, K. Hoenselaar, G. Leliyo, G. Sanchez-Ken, K. Vollesen 5,369* (MO). **Ruvuma Region:** Songea District, About 21 km. N of Songea on river bank in gritty mud growing with *Cyperus* M. R. & T. 8116, rooting often below water level, 960m, 1 Mar 1956, *E. Milne-Redhead, P. Taylor 8,117* (NY).

Schoenoplectus corymbosus (Roth ex Roem. & Schult.) J. Raynal var. *brachyceras* (Hochst. ex A. Rich.) Lye

CONGO. **Admin unknown:** versant N. de Niragongo 2400m, 1 Oct 1957, *Jean Tebrun 7,905* (NY). EQUATORIAL GUINEA. **Bioco:** Desembocadura del lago Biao, 1 Jan 1995, *C. Cebolla, M. A. Rivas Ponce s. n.* (NY). ETHIOPIA. **Amhara Region:** Low marshy area below the Addis Ababa road, 63km. S. of Kambolcha, 14km. N of Tscheramedo, 21 Feb 1965, *R. E. Perdue Jr. 6,548* (NY). **Gemu Gofa Province:** Laha District, Besa Village, ca. 2 days walk from main road to Sawola and ca. 8-10km south of Omo River, on north flank of Mount Kollioamba, 30 Oct 1984, *Roy E. Gereau 1,347* (MO). KENYA. **Central Province:** Kiambu District, Alliance High School-Kikuyu Marsh with *Typha* Rhizomatous perennial to 2 m, 15 Jul 1967, *A. Agnew 9,425* (MO). **Rift Valley Province:** Uasin Gishu District, Alt 6900' Annual or perennial on swampy place, in the shade of the margin of *Syzygium* trees near the stream, 4 Oct 1951, *G. R. Williams 102* (NY). RWANDA. **Northern Province:** Mutura, pres du champ tir militaire, 2 Feb 1972, *P. Auquier 2,375* (MO). **Western Province:** Foret de Rugege (Cyangugu), Marais du Kamiransovu, 25 Jul 1974, *P. Auquier 3,419* (MO). SOUTH AFRICA. **KwaZulu-Natal Province:** Zuland District, Ntabamhlophe ulei Rhizomatous sedge at side of streamlet at bridge near wet. Damp mud with clear water above, 1 Nov 1964, *K. D. Gordon-Gray 5,005* (NY). **Mpumalanga Province:** Ehlanzeni District, Alt, 2100ft Lowveld Botanic Garden, garden site, east area, 11 Jan 1974, *E. J. van Jaarsveld 91* (MO). **Northern Cape Province:** Pixley ka Seme District, In water. Marsh near Oretnia, 20 Sep 1925, *Alice M. Ottley, C. E. Moss 2,113* (NY). **Transvaal Province:** Pietersburg District, Pietersburg Veekraal near Maemeilsburg, 1 Feb 1962, *Prof. W. J. v. d. Meije 46* (NY). **Transvaal Province:** Wakkerstroom District, in running water in olei at the higher altitudes, Oshoek, 26 Dec 1963, *N. J. Devenish 1,098* (NY). TANZANIA. **Arusha Region:** Monduli District, Aeschynomene swamp on a black waterlogged elay with *Pennisetum* sp. NW side of Mungo Swamp, c. 5500ft alt, Ngorongoro Crater., 8 Jul 1966, *P. J. Greenway, Kanuri 12,546* (NY). **Iringa Region:** Mufindi District, Ngwazi. Wet meadow grassland. Local name, "Milulu", used for making baskets, 6 Mar 1989, *C. J. Kayombo, M. J. Kayombo 11* (MO). **Morogoro Region:** Kilosa District, Ukwiva Forest Reserve, Montane wet forest. Base Camp 2, 30 May 2005, *S. Bodine, W. R. Q. Luke, P. A. Luke, M. A. Mwangoke, L. Festo 119* (MO). YEMEN ARAB REPUBLIC. **Admin unknown:** Ibb Governate, ca. 4mi SE of Ibb on Ibb Research Farm, in Wadi Machtul, 1 Aug 1983, *Richard Spellenberg & Amin Abushe'ar 7,545* (NY).

Schoenoplectus corymbosus (Roth ex Roem. & Schult.) J. Raynal var. *corymbosus*

INDIA. **Maharashtra:** Aurangabad, Aurangabad Delhi gate tank

Altitude 1500', 21 Sep 1969, *V. N. Naik* 265 (NY). Nagpur, Telinkheri, 15 Jan 1965, *V. P. Donde* D4/5 (NY). SOUTH AFRICA. **Limpopo Province:** Waterberg District, Moorddrift, in dried up olei in Nyl River Alt 3000', 19 Dec 1963, *A. A. Mauve* 4,285 (NY). Moorddrift, in dried up olei in Nyl River, 19 Dec 1963, *A. A. Mauve* 4,284 (NY). TANZANIA. **Mwanza Region:** Nyamagana District, In water at lake edge. Roots forming masses to 3 feet deep in water, growing singly but in groups. Alt 3,800 feet Capri Point, Mwanza Town, 10 Oct 1953, *R. E. S. Tanner* 1,655 (NY). **Admin unknown:** Lake Kwela, 6000' Drying lake-edge, forming zone nearest water, 18 Jun 1956, *E. A. Robinson* 1,672 (NY). ZIMBABWE. **Harare Province:** Harare District, Alt 1,600m Pool by Muzururu River In mud beside pool and emergent from shallow water, 1 Aug 1973, *G. E. Gibbs Russell* 2,514 (MO).

Schoenoplectus decipiens (Nees) J. Raynal

SOUTH AFRICA. **Eastern Cape Province:** Cacadu District, 16km SE of Cookhouse on Paryshoogte Rd. E Cape grassland. Small pool next to road, 6 Dec 1981, *L. Smook* 3,981 (MO). **Free State Province:** Xhariep District, 19km NW of Zastron. Rolling Country. Clay soils. In marsh, in water of small pool, 7 Feb 1986, *L. Smook* 5,894 (MO). **Mpumalanga Province:** Gert Sibande District, 11km east of Bethal on road to Ermelo. Small dam Rhizomatous sedge. In drying mud on dam margin, 19 Mar 1984, *C Reid* 787 (MO). **Transvaal Province:** Tevreden 56 IT, pan no. 16 Edge of reed pan. Sandy soil, 30 Jan 1987, *D. Allan* 245 (MO).

Schoenoplectus deltarum (Schuyler) Sojak

U. S. A. **Alabama:** Baldwin County, N of Spanish Fort. In Historic Blakeley State Park, Boardwalk Swamp Area. E bank of Tensaw River near end of swamp boardwalk. Large colony here, 14 Jun 1986, *James R. Burkhalter* 10,314 (UWF). Near Daphne; At Forest Park Yacht Club, along water's edge of inlet off Blackeley River; Low moist site near boat docks, 18 Dec 1980, *James R. Burkhalter* 7,453 (UWF). Along S side of Mobile Causeway ca .1 mi W of Holiday Inn and .3mi E of Apalachee River; In shallow water, 29 May 1982, *James R. Burkhalter* 8,198 (UWF). Battleship Park, by causeway US 90-98, E. of Mobile on the Bay, moist sands, 20 Aug 1968, *R. Kral* 32,751 (NLU). Mobile. Hollingers Island, 10 Jun 2006, *Hurlbut and Monfils* 36 (CMC). Along S bank of Dog River ca 200 yrd W of Dauphin Island Prkwy and 800 ft W of Mobile Bay, 29 May 1982, *James R. Burkhalter* 8,200 (UWF). Hollingers Island, 10 Jun 2006, *Hurlbut and Monfils* 38 (CMC). Hollingers Island, 10 Jun 2006, *Hurlbut and Monfils* 37 (CMC). **Delaware:** Newcastle County, Thines of Christiana Creek near Lighthouse, Date unknown, *Collector unknown s. n.* (NY). River Shore, Augustine Beach, 3 Aug 1916, *Francis W. Pennell* 7,811 (NY). **Florida:** Escambia County, Pensacola, on campus of Univ. of W Florida, at Thompson's Bayou at old wood boat dock, follow Campus Dr. to extreme NW end of campus by parking 42, take path to Bayou, 7 Jun 2006, *Hurlbut and Monfils* 9 (CMC). Pensacola, on campus of Univ. of W Florida, at Thompson's Bayou at old wood boat dock, follow Campus Dr. to extreme NW end of campus by parking 42, take path to Bayou, 7 Jun 2006, *Hurlbut and Monfils* 8 (CMC). Near Pensacola. On campus of Univ of W Fla. In shallow water of Thompson's Bayou by old wood boat dock at N end of old fishcamp road NW of Bldg 58. A few plants here, 10 Jul 1989, *James R. Burkhalter* 11,495 (UWF). Near Pensacola. On campus of Univ of W Fla. In shallow water of Thompson's Bayou by old wood boat dock NW of Bldg 58, 20 May 1989, *James R. Burkhalter* 11,420 (UWF). Near Pensacola. E of Scenic

Hw, just N of jct with Olive Rd. Alluvial outwash area along west side of Escambia Bay; Moist somewhat brackish sandflat covered with *Bacopa monnieri*; Colony of several thousand plants, 9 May 1982, *James R. Burkhalter 8,179* (UWF). Near Pensacola. On campus of Univ of W Fla. Shallow water of Thompson's Bayou at old wood boat dock at N end of old fishcamp road NNW of Bldg 58, 5 Jul 1993, *James R. Burkhalter 13,827* (UWF). Pensacola, on campus of Univ. of W Florida, at Thompson's Bayou at old wood boat dock, follow Campus Dr. to extreme NW end of campus by parking 42, take path to Bayou, 7 Jun 2006, *Hurlbut and Monfils 10* (CMC). Franklin County, Apalachicola, 11 Jun 2006, *Hurlbut and Monfils 47* (CMC). Apalachicola, 11 Jun 2006, *Hurlbut and Monfils 46* (CMC). Muck and standing water of Apalachicola River, 1-3 mi. N. of RR bridge, N. of Apalachicola, 29 June 1956, *R. Kral and P. L. Redfearn 2,763* (NY). Apalachicola River, follow Waterfront Dr. past restaurants by boat docks near Bay Rd and near overpass over river, Apalachicola, 11 Jun 2006, *Hurlbut and Monfils 45* (CMC). **Louisiana:** Plaquemines County, Forming dense stand in open marsh on newly deposited alluvium. Delta Wildlife Refuge, east bank of Mississippi River, 23 Jun 1981, *S. Darwin 2,036* (NLU). Mississippi Delta, UTM Zone:16 UTM Easting 28,5030 UTM Northing 32,32675, Date unknown, *David White 1* (CMC).

Schoenoplectus etuberculatus (Stued.) Soják

U. S. A. **Alabama:** Mobile County, Pineland bog stream, between Fowl River and Delchamps on county 59, 15 Jul 1969, *R. Kral 35,638* (NY). Washington County, Shoals and banks of swift, gravelly sandy stream, (Taylor's Creek), 3.4 mi S of Milry, 10 Jun 1995, *R. Kral 85,001* (NY). **Florida:** Calhoun County, Gary and Audrey Cannon property near Thrasher Ln off Newsome Rd, ca. 2 air mi NNW of Clarksville, 3 Aug 2009, *Loran C. Anderson, Travis & Karen MacClendon 24,652* (NY). Franklin County, Drying mud of ditch bottom (extremely droughty this season!) beside logging road 0.3 mi N of Bucks Siding Road in upper reaches of High Bluff Creek drainage in Tates Hell Swamp, ca. 10.5 air mi NE of Eastpoint, 30 Jun 1988, *Loran C. Anderson 11,542* (NY). Liberty County, In cold flowing creek channel at FS Rd 181-C crossing of Black Creek, ca 0.4 mi W of jct FS Rd 181, ca 1.9 air miles NE of FL 65 and Co Rd 22 jct in Sumatra, Apalachicola Natl. Forest, 6 Jun 1992, *Steve L. Orzell, Edwin L. Bridges 19,574* (NY). **Georgia:** Berrien County, Rapid City, Ray Mill Pond, along east side of dock, 12 Aug 2011, *D. Shiels 35* (CMC). **Mississippi:** Simpson County, Saratoga, 2 Aug 1903, *S. M. Tracy 8,628* (NY). **North Carolina:** New Brunswick County, SW of junction with road to Orton Plantation along route 133, small pond on SE side of road, 19 May 1963, *A. E. Schuyler 3,562* (NY). **South Carolina:** Lexington County, Open streambank, Congaree Creek, 4.5 miles west of Edmund, 27 May 1957, *A. E. Radford 23,366* (NY).

Schoenoplectus heterochaetus (Chase) Soják

CANADA. **Quebec:** Admin. unknown, 13 Aug 1918, *Bro. M- Victorin 8,112* (NY). U. S. A. **Iowa:** Clay County, Lake Twp. North side of Round Lake in 6-8 in. of water. Tree protected shore, 28 Jul 1936, *Ada Hayden 635* (NY). Palo Alto County, Lost Island Township Slough of S.E. of Lost Island Lake and E. of Lost Island State Park, 16 May 1936, *Ada Hayden 791* (NY). **Missouri:** Boone County, Rockbridge State Park, Grassland Trail, pond, 27 Jul 2010, *D. Shiels and P. McKenzie 15* (CMC). Clay County, Randolph Swamp-Common achene whites,

strongly ridged on back, bristles not plumose, 18 May 1895, *Kenneth K. Mackenzie* 606 (NY). **North Dakota:** Cass County, in drainage ditch, common, also *S. validus* Fargo, 30 Jul 1953, *O. A. Stevens* 1,455 (NY). Sargent County, 6 miles north of Forman. Small slough. 3-6' water. Sandy loam soil, 25 Jul 1970, *Richard L. Ward* 1,123 (NY). Wells County, 13 miles west of Carrington. Small roadside slough. Sandy soil, 10 Jul 1970, *Richard L. Ward* 1,036 (NY). **Vermont:** County unknown, Off mouth of Lenis Creek, Lk. Champlain, 10 Aug 1904, *Ezra Brainerd s. n.* (NY).

Schoenoplectus heterochaetus X acutus

CANADA. **Ontario:** Admin. unknown, shallow water, 20 Jul 1939, *W. N. Denike* 683 (NY). **Quebec:** Montérégie, Ile Plate, St. Lawrence River, vicinity of Longueuil, 26 Jul 1918, *Bro. M.-Victorin* 8,110 (NY). U. S. A. **Idaho:** Kootenai County, Wet shores, valley of Lake Tesemini, Kootenai County, 01 Aug 1890, *J. H. Sandberg, D. T. MacDougal, A. A. Heller* 687 (NY). **New York:** Oswego County, Oswego, 1900, *Mr. Nibbe s. n.* (NY). **Vermont:** Addison County, Ball's Bay, Ferrisburgh (Lake Champlain), 10 Aug 1904, *Ezra Brainerd s. n.* (NY). Franklin County, St. Albans Bay, Lake Champlain, 17 Aug 1904, *Ezra Brainerd s. n.* (NY). St. Albano Bay, Lake Champlain, 17 Aug 1904, *Ezra Brainerd s. n.* (NY).

Schoenoplectus muricinux (C. B. Clarke) J. Raynal

SOUTH AFRICA. **Admin unknown:** 20 Feb 1989, *P. C. Zietsman* 693 (MO). **Free State Province:** Lejweleputswa District, Odenaalsrus. Small area of natural vegetation in town next to disused canal. In mud in marshy area in veld. Dominant, 9 Dec 1987, *L. Smook* 6,572 (MO). **Northern Cape Province:** Siyanda District, Prov. Cape Prov. Dist. Kurumou 4 ml south of Olifantshoek, 9 Mar 1967, *H. F. Lehhihen* 11,030 (MO). ZIMBABWE. **Midlands Province:** Gwelo District, Gwelo Teachers' College. Dam area. Dam edge, in wet sand Tufts. Alt. 1,320m, 3 Feb 1967, *H. M. Biegel* 1,851 (MO).

Schoenoplectus paludicola (Kunth) Palla

SOUTH AFRICA. **Eastern Cape Province:** Amathole District Map 3226 DB. Alice, 1950ft On road to Peddie, pond, 28 Feb 1981, *P. B. Philipson* 184 (MO). Buffalo City, Plants growing in wet soil at margin of water, and among grasses in wet soil around dam. Rooikranz Dam, near King William's Town, 8 Mar 1978, *Gibbs Russell* 4,024 (MO). **KwaZulu-Natal Province:** Umgungunlovu District, Pietermaritzburg Regio, Natal Harcourt Estates Farm Dam 4km N. of Byrne, Richmond Area, 30 Nov 1976, *C. F. Musil* 533 (MO). **Mpumalanga Province:** Gert Sibande District, Alt. 5,000f Bankplaas 279 IT. Pan no. 7 Edge of Reed Pan, waterlogged ground, 24 Mar 1986, *D. Allan* 88 (MO).

Schoenoplectus pungens (Vahl) Palla **var. badius** (C. Presl) S. G. Sm.

AUSTRALIA. **Tasmania:** Blackmans Lagoon District, North East Habitat, Within lake foreshore, 27 Nov 1983, *A. Moscal* 4,542 (NY). NEW ZEALAND. **North Island:** Auckland, Creek at S. end Tauranga Harbour, 10 Dec 1959, *R. Mason* 7,697 (NY). Wellington, Sand dunes south of Waitotara. Dried out lagoon, 16 Jan 1956, *R. Mason* 4,331 (NY). **South Island:**

Canterbury, Saltwater Creek; growing by edge of saltwater lagoon in mud, at Timaru, seeds collected February 1935, 1 Dec 1934, *A. W. Anderson 194* (NY). Otago, Blueskin Bay. S164. Salt Marsh, 25 Feb 1952, *R. Mason and N. T. Moad 1,350* (NY). U. S. A. **Alabama:** Mobile County, Collected on the western end of Dolphin Island. Very end of a road, 25 May 1973, *John and Connie Taylor 13,285* (NLU). Collected from the sand dune area along the west end of the island, 4 Jul 1974, *John and Connie Taylor 16,407* (NLU). **California:** Los Angeles County, Santa Catalina Island, NE side of Little Harbor near the outlet of Little Springs Canyon drainage; Santa Catalina North USGS 7.5' quad; near 33deg23'15"N 118deg28'23"W; ca 1-2 meters elevation, Localized colony along snow, sluggish stream, 20 Apr 1993, *Tim Ross, Janet Takara, and Misty Gay 6,825* (NY). San Luis Obispo County, Morro Bay, 26 Nov 1966, *O. F. Clarke 661,126-15* (NLU). More or less in water, Cayucos Creek, 7 Nov 1957, *Clare B. Hardman 2,743* (NLU). Santa Clara County, Alviso, 1 Jul 1903, *A. D. E Elmer 4,965* (NY). Sonoma County, Lower Salmon Creek Marsh. Open, wet ground, 26 Jul 1954, *Peter Rubtzoff s. n.* (NY). Willow Creek Marsh. Open, wet, gravelly (margin of Willow Creek), 13 Jun 1959, *Peter Rubtzoff s. n.* (NY). Bodega Head Marsh, In the open, in wet sand, 10 Aug 1954, *Peter Rubtzoff* (NY). **Oregon:** Lane County, Siltcoos Lake outlet, 7 Aug 1936, *L. F. Henderson 18,255* (NY). sandy flats at mouth of Siltcoos Lake, 6 Jul 1934, *L. F. Henderson 16,586* (NY). Lincoln County, Mclean Point. Outside of Newport on Laguna Bay Road on tidal flats, 2 Jul 2009, *Monfils 163* (CMC). Tillamook County, 45.62,714, -123.93,868, Lytle Lake Boat ramp in Rockaway, off 12th street just to right of boat launch, 1 Jul 2009, *Monfils 161* (CMC). Netarts Bay. South of Netarts on raised outcrop, off Netarts Bay Dr. parking area access, gravel bar on edge of shore, tidal influence at base, 2 Jul 2009, A.K. *Monfils 162* (CMC). **Washington:** Grays Harbor County, Grays Harbor Wildlife Refuge, South of HWY 109. Edge of tidal flat with freshwater seeps. Extends greater than 1 mile of beach. Native American site for harvesting of sweet grass, 29 Jun 2009, *Monfils 153* (CMC). Pacific County, Stony Pt, 29 Jun 1976, *Christopher Abair idem s. n.* (NLU). East of Northcove, just east of last parking/beach access area, 75m off HWY 105. Adjacent to marsh, more beach than wetland., 30 Jun 2009, *Monfils 154* (CMC). Just south of parking area, S. of Historic marker, in inlet just to west of HWY 101, adjacent to road. Park near sign "severe side wind ahead." Tidal influence at edge of tidal efflux fresh water stream, just north of Bone River, half mile north of mile 45, 30 Jun 2009, *Monfils 155* (CMC). Port-potties at port of Ilwaco airport entry through shrubs/tress to coastal wetlands, Adjacent to Micky Dietrich memorial field, 1 Jul 2009, *Monfils 158* (CMC). Wakiakum County, Rocky fresh water tide flat. Eastern margin of Gray's bay on Columbia River to Pigeon Bluff, follow HWY 403 to Pigeon Bluff Road (not labeled), leads to Altoona/ Pigeon Bluff. *Schoenoplectus pungens* closer to tidal region, 3 Jul 2009, *Monfils 165* (CMC).

Schoenoplectus pungens (Vahl) Palla **var. longispicatus** (Britton) S. G. Sm.

ARGENTINA. **Buenos Aires:** Villanino, 20 Nov 1981, *C. B. Villamil 2,176* (NY). Olavarria, 17 Nov 1984, *C. B. Villamil 3,148* (NY). Tigre, 1 Nov 1937, *A. Burkart 8,374* (NY). **Entre Rios:** 11 Dec 1982, *R. Guaglianone 3,665* (NY). U. S. A. **Arkansas:** Baxter County, Beside Moccasin Creek and Ark. 5, 1/2 mi. E of Old Joe, Ark, 18 Jun 1968, *R. Dale Thomas 8,861 Bio 451* (NLU). Boone County, 0.8 miles east of Alpena Post Office on US Hwy. 412 at Long Creek T19N, R22W, Sec. 23. sand/gravel creekbed, few trees, Alluvium soil-loose sand and gravel, quite common in water, 1 Jul 1989, *Philip E. Hyatt 1,914.05* (NLU). Independence County, Polk Bayou, 6 mi E of Cushman Shallow gravel bottom, flowing, clear water stream, 22 Jun 1968,

Roy McKay 198 (NLU). Beside Polk Bayou at road from Cushman to Sandtown, 17 Jul 1969, *R. Dale Thomas Bio. 451 15,090* (NLU). Near Polk Bayou in the Cave Springs and Cris Hill area, Sec. 18, T14N, R6W, 24 Jun 1968, *R. Dale Thomas Bio. 451 9,023* (NLU). Polk Bayou, 6 mi E of Cushman Shallow gravel bottom, flowing, clear water stream, 22 Jun 1968, *Carey Smith 319* (NLU). Ouachita County, In ditches along the edge of an oil field road beside County Rd. 66 about 1.8 miles east of Ark. 7 and east of Louann and west of Snow Hill; Sec. 28, T15N, R16W, 12 Apr 2001, *R. Dale Thomas 169,123 and Chris Doffitt 1,461* (NLU). **Arizona:** Apache County, Common along the stream bed; 6,300 ft. alt., 1 Jul 1986, *K. N. Gandhi 215* (NLU). **California:** Kern County, Alkaline flats, Isabella 2,500 ft, 9 Jul 1962, *John Thomas Howell 38,351* (NY). Sierra County, Sierra Valley Marsh, along edge of Marble Hot Springs in moist alkaline soil 5000 ft, 23 Aug 1976, *Fred Sommers and Greg Sommers 227* (NY). Sonoma County, Willow Creek Marsh. Open, wet, gravelly margin of Willow Creek, 20 Jun 1959, *Peter Rubtzoff 4,165* (NY). **Colorado:** Kiowa County, 38°19'29"N, 102°41'33"W determined by GPS, 10 mi S, 4.5 mi E. Neenoshe Reservoir, S side. Elev 3,920 ft Open, sandy to muddy shoreline and adjacent, wooded perimeter or reservoir, 20 Aug 2000, *Craig C. Freeman and Caleb A. Morse 15,999* (NY). Mesa County, Plateau Creek, along Highway 65, 7.7 miles east of junction with Interstate 70. Alt: 5000 ft, 4 Jun 1977, *D. H. Wilken and S. Tabar 13,050* (NY). Weld County, Marsh along tributary of Platte River, 4,200 ft. alt., 29 Jul 1970, *G. K. Arp s. n.* (NLU). **Iowa:** Dickinson County, Lakeville Tws. Sec. 16 and 17. Excelsior Fens, 16 Jun 1962, *K. Holte 989* (NLU). **Idaho:** Elmore County, In Bell Mare Creek, a side drainage to Clover Creek. Two air miles East of King Hill, Idaho and 3 air miles North of the Snake River, about 10 miles East of Glens Ferry, 12 Jun 1989, *Ann DeBolt 1,157* (NY). **Illinois:** Vermilion County, Swampy area at edge of strip-mine lake at Kickapoo State Park, 22 Sep 1974, *JE Ebinger 15,147* (NLU). **Louisiana:** Cameron County, Beach South of La. 82 and Johnsons Bayou; Sec. 17; T15S, R13W, 16 Jul 1988, *R. Dale Thomas and Aquatic Plants Class 105,893* (NLU). Along edges of road in marsh in Second Bayou Oil Field (Williams and Mecom property) west of La. 27, two miles north of La. 82 at Holly Beach, R11W, 22 Jun 1982, *R. Dale Thomas and James Kessler 81,673* (NLU). Hackberry woods just back from Gulf of Mexico off La. 82, 9 miles W of Holly Beach, 27 Jun 1971, *R. Dale Thomas, et al. 23,947* (NLU). On Willow Island south of Cameron Parish Road 357 about 7 miles east of Cameron, Sec. 6, T15S, R8W, 19 Apr 1985, *R. Dale Thomas 91,804 and B. E. Dutton 4,304, D. T. Kee and others* (NLU). Wet roadside of La. 82 and Barracuda Gas Processing Plant 10.9 miles west of La. 27 and Holly Beach; Sec. 35, T18S, R13W, 28 Jun 1996, *R. Dale Thomas, Cheryl Hampsten, and Aquatic Plants Class 149,597* (NLU). Along Creole Nature Trail in marsh west of La. 27 in Saline National Wildlife Refuge south of Hackberry and south of headquarters buildings, 25 Jul 1998, *R. Dale Thomas with Aquatic Plants Class 157,311* (NLU). Jefferson County, Meadow, East end of Grand Terre, 15 Jul 1941, *Lauretta E. Fux 2,075* (NLU). Between La. 1 and the Gulf of Mexico Levee at La. 574-2 at the south end of Grand Isle near Caminada Pass, 26 Oct 1985, *R. Dale Thomas and Beta Sigma Field Trip Group s. n.* (NLU). Barataria Waterway Grand Terre Island, Salt Marsh, 8 Jun 1972, *Soileau and Guidroz s. n.* (NLU). Cheniere Caminada; unnamed road heading southeast and then southwest from Thunder, south of La. 1; back dune area on barrier spit; Sec. 21, T22S, R24E, 9 Nov 1995, *Tad Zebryk 2,786* (NLU). Plaquemines County, Delta Wildlife Refuge, 12 Sep 1964, *Willis A. Egglar s. n.* (NLU). St. Bernard County, North Chandeleur Island near Chandeleur Light House, Chandeleur Sound and Gulf of Mexico northeast of Venice, 11 Jul 1984, *R. Dale Thomas, Robert Maples, Michael Guidry, Gordon Ellison 89,728* (NLU). North Chandeleur Island near Chandeleur Light House, Chandeleur Sound and Gulf of Mexico

northeast of Venice, 11 Jul 1984, *R. Dale Thomas, Robert Maples, Michael Guidry, Gordon Ellison 89,748* (NLU). Terrebonne County, West Timbalier Island in Terrebonne Bay and the Gulf of Mexico southeast of Cocodrie and the Louisiana Universities Marine Consortium Lab; T23S, R19E, 12 Aug 1989, *R. Dale Thomas, et al. 177,913* (NLU). **Michigan:** Bay County, Pinconning, sandy soil, *S. pungens* only species growing in standing water, plants on avg. short (18-24'), 29 Jun 2006, *Hurlbut and Albert 56* (CMC). Pinconning, sandy soil, *S. pungens* only species growing in standing water, plants on avg. short (18-24'), 29 Jun 2006, *Hurlbut and Albert 54* (CMC). Pinconning, sandy soil, *S. pungens* only species growing in standing water, plants on avg. short (18-24'), 29 Jun 2006, *Hurlbut and Albert 55* (CMC). Thomas Rd., cottage Dr., Fish point Bay, 11 Jul 2008, *Droscha 105* (CMC). Charlevoix County, Little Sandy Bay, Beaver Island Peaine Twp., 5 Aug 1964, *M. H. Hohn s. n.* (CMC). Little Sandy Bay, Beaver Island Peaine Twp., 5 Aug 1964, *M. H. Hohn s. n.* (CMC). Barney's Lake Peaine Twn, 11 Jul 1964, *S. C. Swan s. n.* (CMC). Roadside ditch Peaine, 20 Jun 1964, *M. H. Hohn and S. C. Swan s. n.* (CMC). Barney's Lake Peaine Twn., 13 Sep 1967, *Collector unknown s. n.* (CMC). Barney's Lake Peaine Twp Charlevoix Co T28N R10W Sec 4 5, 11 Jul 1964, *S. C. Swan s. n.* (CMC). Peaine Twn shoreline, 17 Jun 1970, *Muller, Kuhn and Meyer s. n.* (CMC). Clare County, Perch Lake Garfield Twn., 21 Jul 1964, *Collector unknown s. n.* (CMC). Clinton County, Maple River Salt Marsh, 1 Sep 1982, Vicky Dunnevit 298 and Helen Kuhn s.n. (MSU). Center, N1/2 Sec. 15, T8N, R4W. N side of Maple River. In floodplain marsh on rich organic soil, 13 Jul 1980, *Susan R. Crispin 676* (MSU). Grand Traverse County, 150meters NE of Gens Park on shore SW 4 sec.3, 11 Aug 2005, *A. L. B. 2005-26* (CMC). Gens Park, 11 Aug 2005, *A. L. B. 2005-25_2* (CMC). Grand Traverse Bay, 11 Jul 2008, *Droscha 89* (CMC). Grand Traverse Bay, 11 Jul 2008, *Droscha 91* (CMC). Grand Traverse Bay, 11 Jul 2008, *Droscha 92* (CMC). Grand Traverse Bay, 11 Jul 2008, *Droscha 96* (CMC). Grand Traverse Bay, 11 Jul 2008, *Droscha 97* (CMC). Gens Park SW 4 sec.3, 11 Aug 2005, *A. L. B. 2005-25_1* (CMC). Traverse City, corner of shoreline and deepwater point, 1-5' water, Grand Traverse Bay, 12 Jul 2008, *Droscha 107* (CMC). Huron County, 8671 Pt. Charity Rd., Sand Point, Caseville in 3' water and mucky soil, 5 Aug 2005, *A. L. B. 2005-24* (CMC). 7500 Port Austin Rd., Caseville in swale in 1-3' water, 4 Aug 2005, *A. L. B. 2005-19* (CMC). Fish Point Bay, Connage Rd., 11 Jul 2008, *Droscha 100* (CMC). Water Fowl Bay, 11 Jul 2008, *Droscha 102* (CMC). Lakeview Motel 7348 Port Austin Rd., Caseville in 5' water in mucky sand, 26 Jul 2005, *A. L. B. 2005-21* (CMC). Midland County, in ditch on W side of S Homer Rd. address 175, 1 mile N of M-20, 30 Oct 2007, *Hurlbut and Wiegert 64* (CMC). Montcalm County, Bass Lake, 21 Sep 1966, *Collector unknown s. n.* (CMC). Roscommon County, South shore Houghton Lake, 4 Jul 1964, *M. H. Hohn s. n.* (CMC). Sanilac County, Lake Huron Shoreline Forester Twn., 11 Oct 2001, *Sara Bonnette s. n.* (CMC). St. Clair County, Harsens Island Headquarters ditch St. Clair Flats in sandy clay, 26 Jul 2005, *A. L. B. 2005-10* (CMC). **Minnesota:** Cottonwood County, Windom, 2 Jul 1910, *Collector unknown s. n.* (NLU). **Missouri:** Barton County, Muddy margins of shallow pool, sandy soil. Old coal strip mines, 3 mls. 1NE of Nashville, 5 Jul 1952, *E. J. Palmer 54,408* (NLU). Chouteau County, Common in moist meadow vegetation around Harwood Lake. 3200ft., 23 Jun 2005, *Peter Lesica 9,218* (NY). Douglas County, Beside White River and Mo. 14 at Twin Bridges, 28 Jul 1969, *R. Dale Thomas, Bio. 451 15,698* (NLU). Jasper County, Wet ground along ditch. Near Independent Gravel County plant, North Main Street Road. Webb City, 16 Aug 1958, *E. J. Palmer 67,475* (NLU). Jefferson County, Beside Big River at Mo. 21, 30 Jun 1968, *Don Morizot, Ned Whatley s. n.* (NLU). Johnson County, Wet prairie swale along railroad and highway, 1/4 mi. E. of Kingsville, sect. 6, 18 May 1949, *Julian A. Steyermark s. n.* (NLU).

Washington County, along lake at YMCA camp, 22 Jul 2010, *Shiels 07* (CMC). **Mississippi:** Hancock County, Bay St. Louis, 9 Jun 2006, *Hurlbut and Monfils 18* (CMC). Bay St. Louis, 9 Jun 2006, *Hurlbut and Monfils 19* (CMC). Bay St. Louis, 9 Jun 2006, *Hurlbut and Monfils 20* (CMC). Jackson County, Ocean Springs, 9 Jun 2006, *Hurlbut and Monfils 25* (CMC). Ocean Springs, 9 Jun 2006, *Hurlbut and Monfils 24* (CMC). Ocean Springs, 9 Jun 2006, *Hurlbut and Monfils 26* (CMC). Horn Island, Mississippi Sound, Gulf of Mexico, 10 Apr 1968, *R. Dale Thomas et al. 6,957* (NLU). **Montana:** Sheridan County, Sandy loam, 1% slope, 10° aspect, 594m (1950 ft.) Collected from a subirrigated site dominated by *Carex* sp. and *Juncus* sp. 20m S of the northernmost reservoir. Slightly saline. T31N, R57E, sec. 18 NE 1/4 of SW1/4 MPH Sandhills Wilderness Area, Montana, 7 Jun 1986, *Blaine H. M. Mooers 1,158 and Gloria R. B. Mooers* (NLU). **Nebraska:** Cherry County, West shore of East Twin Lake, Valentine Natl. Refuge. Plant along shore in moist sandy soil, 15 Jul 1973, *Steven P. Churchill 1,867* (NLU). Garden County, Moffit Lake, 23 Sep 1915, *Ray Thomson 278* (NY). Sheridan County, Walgren Lake, state area (natural lake, old name- Alkali) Marsh, North side of Lake, 7 Jul 1973, *Steven P. Churchill 1,574* (NLU). small lake along State Hwy 2, 4 miles east of Antioch. Abundant on wet mudflats, 8 Aug 2001, *Thomas C. Lammers; Michael A. Vincent 11,212* (NY). **New Mexico:** Dona Ana County, Edge of bank in water of Rio Grande River in edge of N.M. west of Anthony, Texas, 14 Aug 1956, *John R. Crutchfield 703* (NY). **New York:** Onondaga County, Onondaga Lake Parkway, near Danforth Ponds (degraded salt marsh) wet organic soil, Syracuse, 7 Aug 2008, *Eallonardo, Tony 1_1* (CMC). Onondaga Lake Parkway, near Danforth Ponds (degraded salt marsh) wet organic soil, Syracuse, 7 Aug 2008, *Eallonardo, Tony 1_2* (CMC). **North Dakota:** Billings County, South Unit, Theodore Roosevelt National Park SE1/4 Sec. 12, T140N, R102W, 6 Jul 1978, *Paul L. Hansen* (NLU). Burleigh County, Low prairie in a Wildlife Production Area, 5 mi S of Sterling. Solonized, heavy, clay soils, 13 Jun 1977, *Richard P Williams 3,704* (NLU). Oakland County, 2 mi N, 1 mi W Lidgerwood Muddy shore of Bisek Lake, common, 13 Aug 1973, *Gary E. Larson 3,768* (NLU). **Oregon:** Malheur County, Owyhee Uplands, Dry Creek basin, Skull Creek at Crowley Road, 42 air miles southwest of Vale. Elev. 4,145 ft. N 43.50852deg W 117.77865deg NAD 27, Occasional in moist floodplain in shrub-steppe, 27 Jul 2004, *Danna Lytjen and N. Otting 264* (NY). Three Forks Quad. At Warm Springs on the main Owyhee River, ~2 mi upriver from Three Forks. Growing in a spring fed meadow on river right across from Warm Springs. N 42deg31, 12 Jul 2002, *D. Mansfield with H. Kugler, H. Nielsen, J. Loehrke 02-859b* (NY). **Pennsylvania:** Monroe County, wet, sandy ground, river-bank marsh bordering Delaware River, near Camp Hagan, 11 Jul 1974, *Franklin B. Buser 10,809* (NLU). **South Dakota:** Charles County, Lake Dante Along bank, Occasional. T95N, R62W, Sec. 4 SE1/4, 9 NE1/4, 15 Jun 1983, *Steve Van Sickle 715* (NLU). Day County, Bitter Lake, Wet Meadow, Common. T121N, R53W, Sec. 6 NE ¼, 8 Jul 1983, *Steve Van Sickle 919* (NLU). Enemy Swim Lake, Rocky bank, common, 8 Jul 1983, *Steve Van Sickle 971* (NLU). Pennington County, Arid prairie near the Badlands at the Scenic Overlook, Sec. 4, T3S, R13E, 12 Jun 1973, *Terry Mudder s. n.* (NLU). Shannon County, In water of marshy area at Harney's Spring, Sec. 12, T42N, R44W, 28 Jun 1973, *Les Miller s. n.* (NLU). **Tennessee:** Knox County, 0.4 mi west of Alcoa Highway, marshy area on Fort Loudon Lake, 26 Jun 1986, *Q. V. Ma and B. E. Wofford 86-8* (NLU). **Texas:** Aransas County, Roadside ditch on entrance road to Goose Island State Park, gumbo soil, 1 Aug 1981, *James Kessler 4,829* (NLU). Brazoria County, Sandy soil about 100m from Gulf of Mexico near Surfside, 9 Apr 1979, *James Kessler 2,913* (NLU). Cameron County, 12 miles north of Brazos Santiago Pass, South Padre Island, 23 Jun 1984, *Daniel Parker 45* (NLU). Brazos Santiago Pass near Jetties Isla Blanca Park about three (3) miles East of Port

Isballe, 7 Mar 1974, *Yolanda L. Rodriguez* 33 (NLU). Chambers County, Anahuac National Wildlife Refuge, sandy soil near Gulf of Mexico, 1 Jul 1977, *James Kessler s. n.* (NLU). Collingsworth County, Along Hy. 203, along Salt Fork of Red River, 9 mi. E. of Wellington, 22 Apr 1972, *John and Connie Taylor s. n.* (NLU). Dewitt County, On bank of Manahuilla Creek at Hwy. 183, sandy soil, 18 Aug 1981, *James Kessler* 4,915 (NLU). El Paso County, Along the Rio Grande at the Vinton Rd. bridge (S. of Anthony), 3,800 ft. elev, 25 May 1986, *R. D. Worthington* 14,130 (NLU). **Utah:** Garfield County, Henriville Seeps. elev. 6,660.00 ft. Rocky Mt. Juniper, blue spruce, 26 Aug 2002, *S. L. Welsh and N. D. Atwood* 28,632 (NY). NWSE. Located along Hwy. 12 just W of the turnoff into Pine Hollow, Dead Mare Wash, Escalante RD/ Dixie NF. Found on Claron limestone loams/ silts w/salt deposits, 7 Jul 2000, *M. Madsen* 993 (NY). Kane County, Spring-seep, with *Carex*, *Scirpus*, and *Salix*, at 6240 ft. Near head of Park Wash, Adams Spring N37 22.056' W112 09.655', 27 Jul 1999, *S. Welsh; D. Atwood; L. Higgins* 27,538 (NY). Millard County, S9 SE 1/4 of NE 1/4. Antelope Spring in wet marshy area. Among reeds and rushes. 5,080' elev., 19 May 2000, *D. Tilley; A. L. Tilley* 1,142 (NY). Rich County, Bear Lake, wet sand, 14 Aug 1933, *S. F. Flowers* 1,648 (NLU). Tooele. Rocky-sandy soil. Juniper comm. ca 1,900m. Dugway Providing Ground. Cedar Mt. T5S, R10W, S32 NW/NE, 13 Jul 1991, *Stephen L. Clark* 5,446 (NLU). Washington County, Pine Valley Mt. S slope Bitter Creek on Danish Ranch Road. Pine Valley Mts. S slope. Red clayey soil, pinyon, juniper, squawbush, rabbitbrush. Elevation 1,400m. T41S, R15W, S12, 31 May 1986, *D. Nelson, K Thorne* 213 (NLU). S. side of St. George along the Virgin River. Saline soils; *Tamarix*, *Atriplex*, *Bassia*, *Ambroisa* comm. Elev. Ca. 2,800ft, 5 Oct 2005, *L. C. Higgins* 26,955 (NY). Pine Park, Ponderosa Pine-Quercus-Riparian comm.; white conglomerate; 1,750 m elev, 12 Jun 1999, *L. Higgins; D. Atwood; S. Welsh* 20,403 (NY). **Virginia:** Giles County, West bank of the New River, 1 mi S of Eggelston, 5 Aug 1974, *Paul S. Marx et al.* 2,435 (NLU). **West Virginia:** Ohio County, In shallow water off shore of north end of Wheeling Island, Wheeling, 5 Jul 1952, *E. A. Bartholomew s. n.* (NLU). **Wyoming:** Big Horn County, Bighorn Basin County, along Crystal Creek Road above Crystal Creek, ca 17 air mi SE of Lovell. Saline Marsh Elev. 4,200 ft, 23 Jun 1987, *B. E. Nelson* 13,840 (NY). Campbell County, 3 miles N of Four Corners. T56N, R72W, sect. 17. Elevation ca. 3,900 feet, Stream Margin, 7 Jun 1978, *Ronald L. Hartman and Keith H Dueholm* 6,247 (NLU). Washakie County, Bighorn Basin County, along Bud Kimball Creek, ca 7.5 air miles S of Tensleep, ca 4 air miles ESE of Castle Gardens in the stream bed. Elev. 4,600", 16 Jul 1981, *B. E. Nelson* 8,241 (NY).

Schoenoplectus pungens* (Vahl) Palla var. *pungens

U. S. A. **Alabama:** Baldwin County, Feley. W of State Rt 59 in front of Greer's shopping plaza. Roadside ditch, Low moist place. Soil dark, muddy, 15 Oct 1977, *James R. Burkhalter* 5,624 (UWF). E. of Orange Beach, Gulf State Park, 28 June 2003, *James R. Burkhalter* 19,384 (UWF). Mobile County, On Dauphin Island . S of Bienville Blvd, E of St Stephens St. Low roadside area by ditch. Soil sandy, 5 Aug 1980, *James R. Burkhalter* 7,154 (UWF). W of Hwy 43 at entrance to Alabama State Docks. By ditch alongside RR tracks. Common, 7 Jun 1980, *James R. Burkhalter* 6,973 (UWF). **Arkansas:** Baxter County, Cotter, White River between Old Cotter bridge and railroad bridge, alluvial island. Weedy with willows, Gravel soil. Uncommon here, scattered in county, 3 Sep 1989, *Philip E. Hyatt* 2,370.03 (NLU). Benton County, Occuring in dense stands, shallow water, edge of Lake Wedington, 26 Jun 1942, *Duane Isely* 2,764 (NLU). Bradley County, Warren Prairie north of Old Monticello Road and east of end of Ark. 8, south of

Ark. 4, seven miles SE of Warren, Sec. 24, T13N, R9W, 17 Jun 1986, *R. Dale Thomas 96,942 and Sherri Leslie 2,088* (NLU). Independence County, Beside Polk Bayou at road from Cushman to Sandtown, 17 Jul 1969, *R. Dale Thomas Bio. 451 15,090* (NLU). E. bank of White River at Lock and Dam #2, N. of Batesville, 29 Jul 1969, *R. Dale Thomas Bio 451 15,922* (NLU). Woods besides Polk Bayou, 6 miles E. of Cushman, Sec. 31, T15N, R6N, 10 Jun 1968, *R. Dale Thomas Bio. 451 8,283* (NLU). Woods besides Polk Bayou, 6 miles E. of Cushman, Sec. 31, T15N, R6N, 10 Jun 1968, *R. Dale Thomas Bio. 451 8,283* (NLU). Beside Polk Bayou at road from Cushman to Sandtown, 17 Jul 1969, *R. Dale Thomas, Bio. 451 15,090* (NLU). Izard County, Beside White River, 3 mi NW of Croker, 5 Aug 1969, *R. Dale Thomas Bio. 451 16,308* (NLU). Ouachita County, Waste areas with crude oil and salt around oil wells north of Smackover Creek west of county road 68 south of Joyce City at the Union Country Line; Sec. 4, T16S, R15W, 16 Aug 1999, *R. Dale Thomas with Carl Amason 161,925* (NLU). Stone County, Across White River from NLU Field Camp, 7 Aug 1972, *David Lawson & Jim Pate 840* (NLU).

Deleware: Sussex County, Common on flat open area behind dunes at Indian River Inlet State Park, 31 Jul 1971, *D. R. Windler, M. Burch, M. Hobbs 3,664* (NLU). **Florida:** Escambia County, Near Pensacola. E of Scenic Hw, N of Olive Rd. Coastal outwash area along west side of Escambia Bay, 18 Apr 1981, *James R. Burkhalter 7,566* (UWF). Pensacola, near downtown area, 11 Dec 2005, *James R. Burkhalter 20,635* (UWF). SW of Pensacola. On Perdido Key. Along waterfront of Old River Lagoon at 14,402 Old River Rd. Large stand here, 19 Oct 1991, *James R. Burkhalter 12,981* (UWF). W of Pensacola. Gulf Beach area of Perdido Key. N of Gulf Beach Hw, about 4.5 mi SW of Gulf Intracoastal Waterway bridge. Rear dunes. Soil white sand. Low moist area near edge of Guld Intracoastal Waterway, 2 Nov 1972, *James R. Burkhalter 446* (UWF). Near Pensacola. E of Scenic Hw, just N of jct with Olive Rd. Edge of tidal flats near edge of Escambia Bay. Soil sandy. Abundant here, 4 Apr 1981, *James R. Burkhalter 7,518* (UWF). Pensacola, Along W shore of Bayou Texar E of Bayview Park. Near water's edge. Soil sandy, 22 Sep 1986, *James R. Burkhalter 10,416* (UWF). W end of Santa Rosa Island, at Gulf Is Nat Ssh. N of Ft Pickens Rd ca 3400 ft W of Battery Langdon. Alongside drainage ditch N of Blackbird Marsh Nature Trail (near W end of trail), 31 May 1982, *James R. Burkhalter 8,201* (UWF). Franklin County, Locally abundant in a swale, Alligator Point, not very far from the gate at entrance to Phipps Preserve, by the side of the road, 21 May 1983, *R. K. Godfrey 80,646* (UWF). Santa Rosa County, Floridatown. Low area just E of Floridatown Park where a small stream enters Escambia Bay, 21 Aug 1986, *James R. Burkhalter 10,390* (UWF). **Illinois:** Lasalle County, ca 41°19'14"N, 88°54'35"W; South Ottawa; ca. 0.6 mi S of IL Rt. 71, ca. 1 mi E of Starved Rock State Park, in Environmental Center Marsh, 7 Sep 2000, *Steven R. Hill 33,138* (NY). **Kentucky:** Trigg County, Area in triangle formed by markers 6E1, 6E2, and 7E4 around entire periphery of Hematite Lake, 7 Jun 1966, *William H. Ellis s. n.* (NLU). **Louisiana:** Cameron County, Ditches beside La. 82 west of Johnsons Bayou, La, Sec. 8, T15S, R14W, 7 Jul 1972, *R. Dale Thomas et al. 30,954* (NLU). Garbage dump south of La. 27 and 82 just east of Holly Beach, T15S, R11W, 6 Aug 1983, *R. Dale Thomas and Aquatic Plants Class 84,820* (NLU). Circa 0.1 miles west of the end of Cameron Parish Road 529, circa 0.5 miles south of La. 82, east of Johnsons Bayou, T15S, R12W, 7 Apr 1984, *B. E. Dutton and D. W. Pritchett 1,193* (NLU). Claiborne County, Branch of Flat Lick Bayou; at bridge on paved rd. 1.6 mi S La. 3062; Sect. 19&30, T21N, R7W (W of Homer). Dry swale, 28 Jun 1966, *C. E. DePoe 5,302* (NLU). Jefferson County, Entrance area to Grand Isle State Park (currently closed) east of La. 1 on Grand Isle, Sec. 32, T21S, R25E, 9 Mar 1984, *R. Dale Thomas, C. M. Allen, J. W. McCoy, and D. C. Moore 87,274* (NLU). 16 Apr 1981, *Karl A. Vincent and Garrie P. 4,004* (NLU). Entrance

area to Grand Isle State Park (currently closed) east of La. 1 on Grand Isle, Sec. 32, T21S, R25E, 9 Mar 1984, *R. Dale Thomas, C. M. Allen, J. W. McCoy, and D. C. Moore* 87,274 (NLU). Edge of land at the Gulf of Mexico at end of road and beside the Coast Guard Station on Grand Isle, Sec. 32, T21S, R25E, 9 Mar 1984, *R. Dale Thomas, C. M. Allen, J. W. McCoy, and D. C. Moore* 87,280 (NLU). Abundant on sandy beach areas on E end of Grand Isle, 16 Apr 1977, *Latimore M. Smith s. n.* (NLU). **Maryland:** Caroline County, Town of Choptank, along Blades Road at Hunting Creek Bridge, growing in tidal marsh. 38deg40'38.5" N, 75deg56'19.2" W, 30 Jul 2006, *Wayne D. Longbottom; Roger D. Redden; J. Daniel Saffer* 7,670 (NY). Kent County, Town of Still Pond, Still Pond Creek and Still Pond Creek Road near Bessicks Corner Road, growing along edge of creek near boat ramp. 39deg19'16.5" N, 76deg05'14.7" W, 17 Jun 2007, *Wayne D. Longbottom* 9,444 (NY). Queen Annes County, Kent Island Park & Ride on Thompson Creek Road at the south east corner of the junction of MD Rt. 8 and US Rt. 50-301 growing in sediment retention pond on south corner of the parking lot, 26 Aug 2007, *Wayne D. Longbottom* 10,299 (NY). **Massachusetts:** Bristol County, brackish marsh, 4.8 mi. North of junction Mass. Rt. 138 & U.S. Rt. 6 (vicinity of Somerset), 30 Aug 1967, *H. E. Ahles* 69,713 (NLU). **Michigan:** Charlevoix County, Font Lake North Basin, 10 Jul 1964, *S. C. Swan s. n.* (CMC). Font Lake N and S Basins, 21 Jul 1964, *M. H. Hohn and S. C. Swan s. n.* (CMC). N. of CMU center shore, 17 Jun 1970, *Pujunen, Walrad, Calhoun s. n.* (CMC). Hog Island, 24 May 2000, *C. E. Whately s. n.* (CMC). Hog Island, 16 Jul 2000, *C. E. Whately s. n.* (CMC). Marl Bog near Little Sand Bay Beaver Island, 5 Aug 1964, *M. H. Hohn s. n.* (CMC). Font Lake St. James Twp, 7 Jul 1965, NSF Group s.n. (CMC), 17 Jun 1970, *Marsicot, T., Smith, G. and Homlstrom, B. s. n.* (CMC). Barney's Lake Peaine Twp, 20 Jun 1964, *M. H. Hohn and S. C. Swan s. n.* (CMC). Barney's Lake, 8 Jul 1966, *LaBeau s. n.* (CMC). Font Lake St James Twp, 21 Jul 1964, *M. H. Hohn and S. C. Swan s. n.* (CMC). Font Lake St. James Twp, 7 Jul 1965, NSF Group s. n. (CMC), 20 Jul 1998, *K. B. Stadt s. n.* (CMC), 1 Jul 1994, *Wujek s. n.* (CMC). Barney's Lake, 8 Jul 1966, *LaBeau s. n.* (CMC). Barney's Lake, 8 Jul 1966, *LaBeau s. n.* (CMC). Font Lake North and South basin, 21 Jul 1964, *M. H. Hohn and S. C. Swan s. n.* (CMC). Cheboygan County, 1 Aug 1939, *Collector unknown s. n.* (CMC). Shallow water, Sedge Point, Douglas Lake. Univ Of Michigan Biological Station, 27 Jul 1970, *W. H. Blackwell* 74 (NLU). Grand Traverse County, Acme Twp. Bayside Park near jct M72/M31 on sandy shoreline, 11 Aug 2005, *A. L. B. 2005-28* (CMC). Huron County, Sleeper State Park, 20 meters from lake Huron in moist sand swale, 8 Aug 2005, *A. L. B. 2005-18* (CMC). Iosco County, National City site. Wet lowland deciduous forest. T21N, R6E, SE1/4, Sec. 17, 27 Jul 1979, *Timothy S. Mustard* 1,953 Project 78-1,077 (NLU). Kalamazoo County, Gourneck State Game Area. 1/4 mi. south of intersection of Center St. and US 131. Zone 1 sedge meadow. Soil black muck nearly, 7 Jul 1970, *Gary J. Pierce* 1,353 (NLU). St. Clair County, Harsens Island DNR Dock, 6' water in clay, 26 Jul 2005, *A. L. B. 2005-07* (CMC). **Mississippi:** Jackson County, Near Pascagoula. N of US 90 about .2 mi E of West Pascagoula River. Low moist area near roadside. Abundant. With *Juncus megacephalus*, *Spiranthes vernalis*, *Ptilimnium capillaceum*, 4 Jun 1980, *James R. Burkhalter* 6,961 (UWF). **Missouri:** Newton County, Overgrown field beside creek along Mo. 37 between Wentworth and Sarcoxie, 8 Aug 1973, *R. Dale Thomas, Bio. 451* 36,563 (NLU). Ozark County, Mixed hardwood forest along North Fork and White River at Mo. Hwy. H, Althaea Springs, NE of Tecumseh, edge of stream, 26 Jun 1972, *R. Dale Thomas et al.* 31,276 (NLU). Polk County, Along margins of ditch, 4 miles north of Huron, 9 Jun 1956, *E. J. Palmer* 62,703 (NLU). Open ground, along gravel bars of small stream, 3 miles north of Tin Town, 24 Sep 1957, *E. J. Palmer* 66,910 (NLU). **New Jersey:** Ocean County, Beach Haven sand dunes, sea shore, 1 Aug 1950, *D.*

E. Dimmick s. n. (NLU). Swampy ground near the ocean beach, three miles south of Forked River, July 1964, *A. Barkley s. n.* (NY). Atlantic County, Salt marsh near English Creek, 19 Aug 1928, *Joseph Crawford* (NLU). **New York:** Seneca County, Edge of Cayuga Lake, Seneca Falls, 22 Aug 1929, *Collector unknown 11,291* (NY). Suffolk County, Sninnecoch Inlet (Dove) Road, 1/4 mi. E of inlet, 4 Aug 1972, *C. E. DePoe and Marie DePoe 7,534* (NLU). Westchester County, in moist swampy ground, Yonkers, 20 Jun 1938, *Harold N. Moldenke 10,607* (NY). **North Carolina:** Brunswick County, Freshwater pond, mid-Bald Head Island, 20 Aug 1983, *Carol H. Mayes 419* (NLU). Columbus County, 0.15 mi NW Columbus County NC 130 roadside ditch, 11 Jun 1959, *C. E. DePoe and E. O. Beal 218* (NLU). Craven County, Neuse River Recreation Area, Croatan National Forest, U.S. 70, south of New Bern, 10 Jun 1977, *R. Dale Thomas, Bio 451 53,027* (NLU). Hyde County, Along road through center of Lake Mattamusheet, Date unknown *C. E. DePoe 133* (NLU). Sandy area near edge of marina across from ferry landing at Ocracoke, NC, south end of Ocracoke Island, 23 Jun 1975, *Paul Marx and Peggy Marx 2,978* (NLU). New Hanover County, Adjacent to *Junceus roemerianus* marsh, north Masonboro Island, s. of Wrightsville Beach, 25 May 1973, *T. C. Workman M73 and P. E. Hosier* (NLU). **Oklahoma:** Kingfisher County, 100m E of E-end of OK Hwy 51 bridge over Cimarron River. Sandy soil of flood plain. Dense stands in depressions and old water channels. Plants to 1.5 m in height. R9W, T19N, Sec 6, 26 Jun 1973, *R. J. Tyrl 791, G. Thompson, N. Collins* (NLU). McCurtain County, from an area 7.5 mi southwest of Bethel, Okla. The Arkansas Crossing area of Glover River along the floodplain and in the stream bed, 7 Jul 1972, *John and Connie Taylor s. n.* (NLU). **Pennsylvania:** Allegheny County, Jack's Island, Allegheny River, Date unknown, *J. A. Shafer s. n.* (NLU). Erie County, Flora of Presque Isle, 26 Jul 1925, *O. E. and Grace K. Jennings* (NLU). Presque Isle Park, 30 Jul 2005, *A. L. B. 2005-17* (CMC). Fayette County, Ohio pyle, 6 Sep 1915, *John Bright s. n.* (NLU). **Texas:** Brazoria County, Collected from a beach area about 9 miles East of Surfside, Texas, 25 Mar 1976, *John and Connie Taylor s. n.* (NLU). **Virginia:** Augusta County, Wet calcareous meadow along the South River, 1/4 mi. W of intersection of VA 909 and N&W RR. Elev. 1,500' Abundant in water, 23 Jul 1980, *Greg P. Frank 437 Steve Q Croy s. n.* (NLU). James City County, Sandy shores of York River, 7 mi. south of Williamsburg, 7 Aug 1964, *O. W. Gupton 3,032* (NLU). Mathews County, In sand near salt marsh at Diggs Beach, 8 Oct 1978, *M. van Montfrans and G. W. Hall 214* (NLU). New Kent County, Brackish marsh on tidal flat along York River, 3/4 mi west of Philobates Creek. Abundant. P.O. Barhamsville, 20 Jun 1974, *Douglas Soltis 191* (NLU).

***Schoenoplectus pungens* (Vahl) Palla var. ?**

U. S. A. **Arkansas:** Jefferson County, Open area along Arkansas River in Yellow Lake area of Pine Bluff Arsenal, Sec. 35, T4S, R10W, 24 May 1975, *R. Dale Thomas, W. G. Click, Sr. and Jr. 44,146* (NLU). Sharp County, Along banks of Rock Creek in Harold E. Alexander Wildlife Management Area (Spring River WMA) east of Ash Flat and four miles north of Sitka and Ark, 48. 28 Sep 1991, *R. Dale Thomas & Ark. Native Plant Soc. Group 125,629* (NLU). **Louisiana:** Cameron County, Along Gulf of Mexico south of La. 82 and Cameron, La., 19 Nov 1977, *R. Dale Thomas 56,452, Pat Pias 2570, et al.* (NLU). Edge of marsh and road bank of La. 82 at Johnson Bayou, Sec. 17, T15S, R13W, 27 Jun 1992, *R. Dale Thomas and Aquatic Plants Class 130,108*. (NLU). Along the Gulf of Mexico beside La. 82 about one mile west of La. 27 and Holly Beach; Sec. 42, T15S, R11W, 27 Jun 1992, *R. Dale Thomas and Aquatic Plants Class 130,097* (NLU). Jefferson County, Grand Terre; low, occasionally overwashed fore and back -

dunes and back dune swales on spit northwest of Fort Livingston ruins; Sec. 29, T21S, R25E, 26 Aug 1996, *Tad Zebryk with Bob Russell* 3,252 (NLU). St. Charles County, Infrequent on newly deposited sand pumped from Lake Ponchartrain, LaBranche, LA, sand pumped from Feb to Mar 1994 onto mudflats, seeded by plane with Japanese millet on July 25 94 by LA DNR, 17 Aug 1994, *Glen N. Montz, C. J. Landry and Rick Ott* 6,896 (NLU). Terrebonne County, Along Gulf of Mexico side of West Timbalier Island in Terrebonne Bay south of Cocodrie, 15 Mar 1991, *R. Dale Thomas, Barbara G. Thomas, et al.* 122, 973A (NLU). Behind low dune area at east end of Timbalier Island, 26 Oct 1988, *Florence Montgomery Givens and Mark W. Hester* 5,547 (NLU). Winn County, Price Salt Works. Salt licks east of La. 501 opposite USFS 507 about 2.2 miles south of Mill and La. 126, private property. Sec. 30 T13N, R4W, 3 Oct 1997, *R. Dale Thomas with David C. Monroe* 155,360 (NLU). **Michigan:** Pinconning County, Pinconning County Park NW 4 of Sec. 19 5cm water in clay soil near shore, 12 Aug 2005, *A. L. B. 2005-30_1* (CMC). Park near shore, 12 Aug 2005, *A. L. B. 2005-30_2* (CMC). Huron County, Oak Beach Park off Saginaw Bay in dry sand along beech, 28 Jul 2005, *A. L. B. 2005-13* (CMC). St. Clair County, Dickinson Island, 26 Jul 2005, *A. L. B. 2005-05* (CMC). Dickinson Island, 26 Jul 2005, *A. L. B. 2005-03* (CMC). **New York:** Wayne County, In meadow by salt pond west of Howland Island, Savannah Tp. Alt County, 385 ft", 14 Aug 1938, *Robert T. Clausen et. al.* 3,522 (NY). **Ohio:** Darke County, Near bridge over the Stillwater River on St. Rt. 185. N of Webster. Darke County, Wayne Twp. Sect. 31, 11 Jul 1985, *M. A. Vincent and D. D. Taylor* 1,086 (NLU). **Oklahoma:** Choctaw County, Collected on a bog and adjacent area, West of railroad track, 11 miles Northwest of Hugo, Oklahoma. This is about 2.5 miles North of Speer, OK., 22 Aug 1976, *John Taylor and John R. Wright s. n.* (NLU). Oklahoma County, Open areas north and south of 122nd Street between Santa Fe and U.S. 77, Oklahoma City, 31 May 1975, *R. Dale Thomas* 44,414 (NLU).

Schoenoplectus subterminalis (Torr.) Soják

CANADA. **Quebec:** Levis, Pintendre, 1900, *Robert Gauthier, Guy Lortie* 85-96 (NY). Matawinie, Saint-Zenon, 1900, *Robert Gauthier* 90-246 (NY). U. S. A. **California:** Lassen County, Plumas, In lake, 1/2 miles west of Fowler Pk. Red Fir Forest, 17 Sep 1980, *Lowell Ahart* 2,655 (NY). Nevada County, Eagle Lakes 3.5 miles northwest of Yuba Gap, 13 Jul 1970, *Gordon H. True, John Thomas Howell* 5,458 (NY). Submerged in Eagle Lake, ca. 3 miles north of Interstate 80, 27 Jul 1977, *B. Trowbridge* 6,068 (NY). **Michigan:** St. Clair County, Harsens Island, 15 Jul 2007, *Droscha* 106 (CMC). Harsens Island 2, 26 Jul 2005, *A. L. B. 2005_09* (CMC). **Montana:** Flathead County, Whitefish Range, common in an inundated area of a fen ca. 1 mile east of Teepee Lake, 2 Aug 1999, *Peter Lesica* 7,937 (NY). Missoula County, Swan Valley common in the standing water at the center of a mire on the south side of Kraft Creek Rd. 4/10 mile west of Glacier Creek Bridge, 2 Sep 1987, *Peter Lesica* 4,509 (NY). **North Carolina:** Richmond County, Shallow stream along Co. Rt. 1640, 3.4 mi. west of NC 177 at Hamlet, 7 Aug 1969, *S. W. Leonard* 2,651 (NY). **South Carolina:** Lexington County, Acidic blackwater stream in the high sandhills. Black Creek approx. 5 mi W of Pelion on US 178, 12 Aug 1990, *A. B. Pittman, D. B. Pittman* 08129005 (NY). Acidic blackwater stream in the high sandhills. Black Creek approx. 5 mi W of Pelion on US 178, 12 Jun 1991, *A. B. Pittman, D. B. Pittman* 06129101 (NY).

Schoenoplectus tabernaemontani (C. C. Gmel.) Palla

U. S. A. **Georgia:** Chatham County, Savanna NWR north side of Hwy 25, 16 Aug 2011, *D. Shiels* 49 (CMC). **Michigan:** Baroga County, North Pinery Lake south of Indian Cementary road, 02 Oct 2011, *D. Shiels* 67 (CMC). Grand Traverse County, 150m north of Gens Park, 11 Aug 2005, *A. L. B. 2005_27* (CMC). Huron County, Water Fowl Bay, Saginaw Bay, 12 Jul 2007, *Droscha* 65 (CMC). 7500 Port Austin Rd. Caseville, 1-3 in. water in swale near Lake Huron, 4 Aug 2005, *A. L. B. 2005_20* (CMC). Lakeview Motel, 7348 Port Austin Rd. Casville, 8 May 2005, *A. L. B. 2005_22* (CMC). Oak Beach Park. Saginaw Bay, near beach, 28 Jul 2005, *A. L. B. 2005_12* (CMC). 7500 Port Austin Rd. Caseville, 1 in. water. Sand swale, 4 Aug 2005, *A. L. B. 2005_21* (CMC). Ingham County, SE corner of Aurelius and Toles Rd. Mason, 15 Jul 2007, *Droscha* 65 (CMC). Macomb County, Metro Beach, Metro Park, 27 Jul 2005, *A. L. B. 2005_11* (CMC). **Missouri:** Washington County, YMCA camp at Sunnen Lake, near boat launch, 22 Jul 2010, *D. Shiels* 11 (CMC). **Oregon:** County unknown, 13 Feb 1905, *Elihu Hall* 562 (NY). **Pennsylvania:** Erie County, Presque Isle, Pa, 30 Jul 2005, *A. L. B. 2005_14* (CMC). Presque Isle, Pa, 30 Jul 2005, *A. L. B. 2005_15* (CMC).

Schoenoplectus torreyi (Olney) Palla

CANADA. **Quebec:** D'Autray, Sainte-Genevieve-de-Berthier, lie du Mitau, 1900, *Michelle Garneau, Gildo Lavoie* 91-073-M (NY). St. Augustin, 1 Aug 1913, *A. Mallard s. n.* (QFA). U. S. A. **Indiana:** County unknown, in a marsh just north of the line of Sec 14, about 3.5 miles south of Tefft, 26 Jun 1930, *Chas. C. Deam* 48,953 (NY). **Michigan:** Newaygo County, 3 miles S. of White Cloud, MI. W 28th St, 2 Jul 2007, *Monfils* 145 (CMC). 1/2 mile N. Ryerson Lake on 24th St. before sharp turn to the north, 2 Jul 2007, *Monfils* 150 (CMC). Off M82 about 17 miles N. of Newaygo onto M-37. Follow north for 5-7 miles to a seasonal road on the left which comes after the Wildlife Realty sign, 30 Aug 2008, *Pendke & Monfils* 1 (CMC). **New Jersey:** Sussex County, In water 1-2 feet deep, north end of pond-like marsh in limestone depression, Hopkins Corners, 3.5 miles north northeast of Lafayette Alt. 560ft, 27 Aug 1938, *Robert T. Clausen, J. L. Edwards* 3,532 (NY). N. Shore of Howell's pond. E. of Newton, 28 Aug 1937, *J. L. Edwards s. n.* (NY). **New York:** Long Island, Swamp W of Kant Pond. Manorville, 22 Jul 1923, *W. C. Ferguson* 2,418 (NY). **Pennsylvania:** Center County, State College, edge of pond, 4 Sep 1935, *H. A. Wahl* 75 (NY).

Schoenoplectus triqueter (L.) Palla

CHINA. **Beijing:** 3 miles south of Peking, 13 Jul 1932, *H. Sheehan* 185 (NY). **Guangxi Zhuang :** Moo Shan, Huchen, N. Kwangsi in open shallow pond of water, 26 May 1928, *R. C. Ching* 5,378 (NY). **Hubei Province:** Hupeh, 30 Aug 1934, *Ho-Ch'ang Chow* 1,487 (NY). **Jiangxi Province:** Jiujiang County Shahe on a low bank of earth between fields, 9 Aug 1995, *Tan Ce-ming* 95,524 (NY). INDIA. **Kashmir:** Baramulla district, Lake Manasbal 5200ft, 18 Jul 1940, *R. R. Stewart* 19,428 (NY). Aishmuqam, Lidden Vy. 6,000ft, 1 Jul 1934, *R. R. Stewart* 14,101 (NY). Nasim Bagh 5200ft, 25 Aug 1946, *R. R. Stewart* 22,428a (NY). JAPAN. **Kumamoto Prefecture:** Kinoue Higo, 24 Jul 1953, *K. Mayebar* 5,116 (NY). NEPAL. **Admin unknown:** Rava Daha, Growing in 2-3ft of water around shore of lake, 13 Aug 1952, *O. Polunin, W. R. Sykes, L. H. J. Williams* 5,149 (NY). PAKISTAN. **Baltistan:** Skardu, Skardu 7700ft, 12 Aug 1936, *W. Koelz* 9,616 (NY). Skardu, 12 Aug 1936, *W. Koelz* 9,616 (NY).

Punjab: Shabimar Gardens 5200', 22 Aug 1946, *R. R. Stewart 22,425* (NY). U. S. A. **Oregon:** Columbia County, Point Adams Road, S shore of Columbia River near bridge to Anunde Island, 23 Sep 2003, *Peter F. Zika 19,114* (NY). **Washington:** Cowlitz County, small island, mostly inundated by fresh-water tides, mouth of Coal Creek, near boat launch, slough 1 mile E of Willow Grove, N shore of Columbia River, 29 Aug 2002, *P. F. Zika, F. Weinmann 17,720* (NY).

Scirpoides varius Browning

SOUTH AFRICA. **Mpumalanga Province:** Roosenekal District, Mapoch's Cave, mountain slope, 18 Jan 2005, *N. Swelankomo 222A* (PRE)