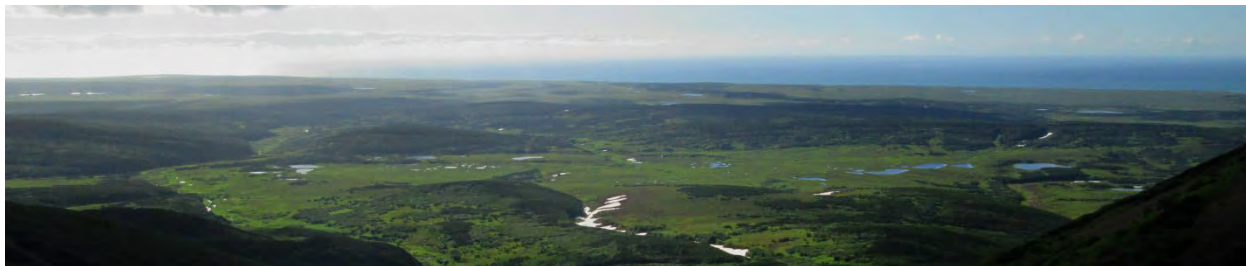


Supplementary materials

Ivanova M. O., Volkova P. A., Yakubov V. V., Kopylov-Guskov Yu. O., Dadykin I. A., Bakhmarin S. V., Bobrov A. A. Floristic survey of Karaginskii Island (southwest Bering Sea) revealed predictably high diversity of aquatic plants and unexpectedly overlooked terrestrial species

Figure S1. Different types of waterbodies, where new aquatic species for Karaginskii Island were found. Foto: I. Dadykin, M. Ivanova.



A. View on the bog with the system of waterbodies in the western part of the island (from Vysokaya Mnt.; 24 Jul. 2022).



B. Large lake in the northern part of the island (headwaters of Ploksan Stream; 23 Jul. 2022).



C. Lakelets in tundra (northern part of the island, vicinities of Yantanai Mnt.; 21 Jul. 2022).



D. *Utricularia intermedia* Hayne in the *Sphagnum* alloy (northern part of the island, near estuary of Markelovskaya River; 01 Aug. 2022).



E. Lake in the *Pinus pumila* (Pall.) Regel shrubs (central part of the island, vicinities of abandoned Yagodnoe village; 12 Aug. 2022).



F. Lower reaches of the Gnunvayam River (12 Aug. 2022).



G. Oxbow in the lower reaches of the Gnunvayam River (12 Aug. 2022).



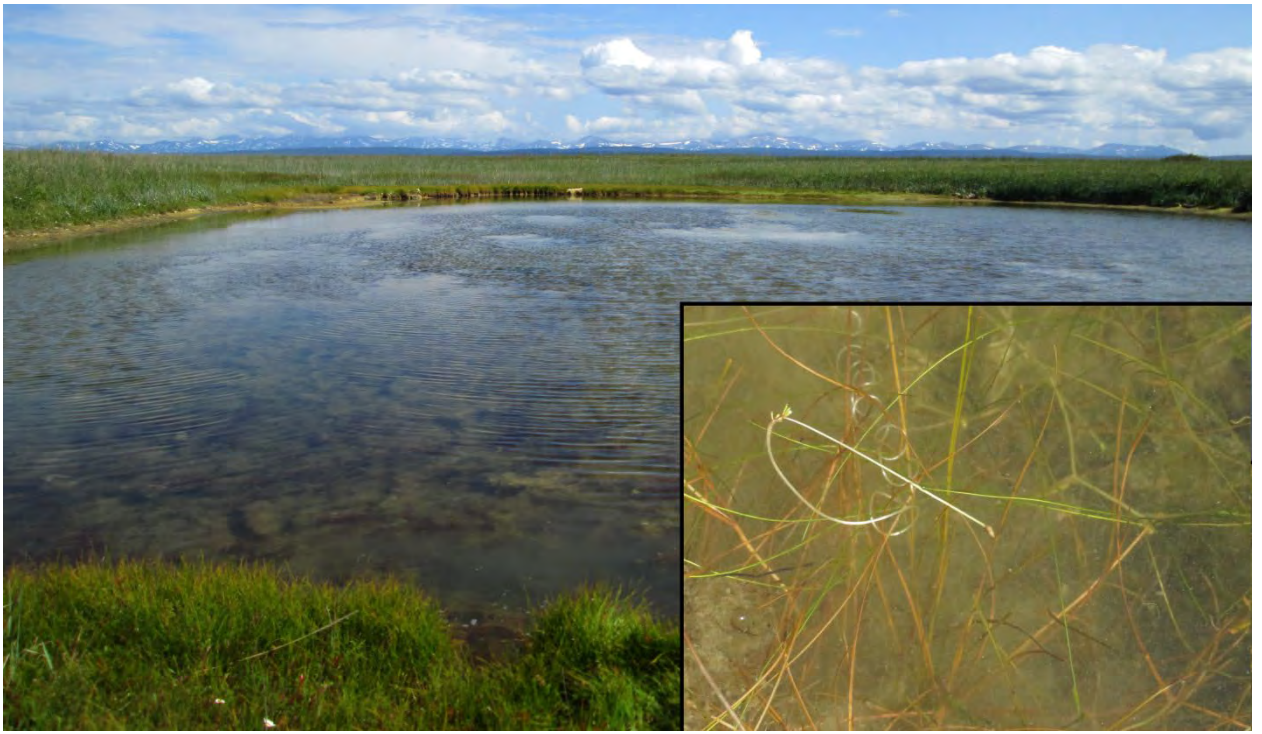
H. Oxbow in the lower reaches of the Mamikinvayam River (04 Aug. 2022).



I. Oxbow with *Nymphaea tetragona* Georgi (middle reaches of the Mamikinvayam River; 04 Aug. 2022)



J. Large lake with *Stuckenia pectinata* (L.) Börner. (central part of the island, upper reaches of the Mamikinvayam River; 08 Aug. 2022).



K. Brackish lake with *Ruppia megacarpa* R. Mason (Semyonova cape; 03 Aug. 2022).



L. Southwestern peninsula, the system of Elnavan lagoon with numerous waterbodies on ancient marine terraces of different level (16 Jul. 2022).

Appendix 1. Herbarium labels for aquatic plants, found by us for the first time on Karaginskii island or Karaginskii District in general.

Callitriche anceps Fernald—(1) 2 km ESE of estuary of Gnunvayam River, large lake in tundra, 58.86646° N, 163.83775° E, 06.08.2022, IBIW 73929; (2) 7.5 km NW of Shapochka Mnt., upflows of Gnunvayam River, lake on its left bank, 58.82251° N, 163.95995° E, 07.08.2022, IBIW 73930; (3) 7 km WNW of Tumannaya Mnt., upflows of Mamikinvayam River, dried lake on its left bank, 58.8611° N, 164.00926° E, 10.08.2022, IBIW 73932; (4) 2 km S of Ossora village, lake on the roadside, stony bottom, 59.21164° N, 163.05754° E, 14.08.2022, IBIW 73933; (5) southern outskirts of Ossora village, lake, 59.22272° N, 163.05685° E, 14.08.2022, IBIW 73934; (6) 8 km WSW of Ossora village, vicinity of Rybnoe Lake, lakelet in *Sphagnum* bog, 59.22227° N, 162.95116° E, 16.08.2022, IBIW 73936.

C. hermaphroditica L.—(1) 3 km WNW of Tynnik Cape, northern shore of Elnavan lagoon, lake, 58.55748° N, 163.52324° E, 16.07.2022, IBIW 73938; (2) 2.5 km N of Yantanai Mnt., lake, 59.08761° N, 164.3576° E, 21.07.2022, IBIW 73940; (3) 8 km S of estuary of Ploksan River, oxbow, 58.97672° N, 164.06894° E, 26.07.2022, IBIW 73943; (4) 4 km S of Tayakal Mnt., eastern bank of Markelovskaya River, lake, 59.08604° N, 164.41942° E, 01.08.2022, IBIW 73944; (5) vicinity of estuary of Markelovskaya River, eastern bank, lake on the bog, 59.12429° N, 164.34184° E, 01.08.2022, IBIW 73946; (6) 3 km SE of estuary of Mamikinvayam River, oxbow, 59.01053° N, 163.98886° E, 04.08.2022, IBIW 73947; (7) 3.5 km SE of estuary of Mamikinvayam River, oxbow, 59.01388° N, 164.02237° E, 04.08.2022, IBIW 73948; (8) 2 km SE of estuary of Gnunvayam River, 58.86709° N, 163.79786° E, 13.08.2022, IBIW 73949; (9) 5 km SSW of Ossora village, lake, 59.19764° N, 163.03494° E, 14.08.2022, IBIW 73951; (10) 5 km NE of estuary of Ossora River, lake, 59.30352° N, 163.18854° E, 15.08.2022, IBIW 73953; (11) NE extremity of Ossorskoe lake, branch, 59.25827° N, 163.07243° E, 16.08.2022, IBIW 73956.

Elatine aff. *triandra* Schkuhr vel *americana* (Pursh) Arnott—(1) 5 km SSW of estuary of Yukyunvayam, bog in its middle flow, lake, 58.7579° N, 163.76494° E, 18.07.2022, IBIW 73984; (2) 4 km ESE of estuary of Markelovskaya River, seaside lake in the tundra, 59.09455° N, 164.22945° E, 20.07.2022, IBIW 73991; (3) 5 km ESE of estuary of Gnunvayam River, lake in tundra, 58.86605° N, 163.89746° E, 06.08.2022, IBIW 73992; (4) 7.5 km NW of Shapochka Mnt., upflows of Gnunvayam River, lake on its left bank, 58.82251° N, 163.95995° E, 07.08.2022, IBIW 74003; (5) 7 km WNW of Tumannaya Mnt., upflows of Mamikinvayam River, dried lake on its left bank, 58.8611° N, 164.00926° E, 10.08.2022, IBIW 73994; (6) 2 km SE of estuary of Tusatuvayam, lake in the shrubs of *Pinus pumila*, 58.89275° N, 163.82278° E, 12.08.2022, IBIW 73996; (7) 3 km E of abandoned Yagodnoe village, lake on the pass between Gnunvayam River and Tusatuvayam River, 58.88902° N, 163.82323° E, 12.08.2022, IBIW 73998; (8) 2 km SE of estuary of Gnunvayam River, 58.87214° N, 163.8018° E, 13.08.2022, IBIW 74000.

E. orthosperma Düben—(1) 500 m south of estuary of Markelovskaya River, dried lake, 59.10838° N, 164.2935° E, 20.07.2022, IBIW 74004; (2) 4 km ESE of estuary of Markelovskaya River, seaside lake in the tundra, 59.09455° N, 164.22945° E, 20.07.2022, IBIW 74006; (3) 2.5 km N of Yantanai Mnt., lake, 59.08761° N, 164.3576° E, 21.07.2022, IBIW 74008; (4) 4 km SE of estuary of Ploksan River, lake, 59.02971° N, 164.10118° E, 27.07.2022, IBIW 74010; (5) 4 km S of Tayakal Mnt., eastern bank of Markelovskaya River, lake, 59.08604° N, 164.41942° E, 01.08.2022, IBIW 74011; (6) 7.5 km NW of Shapochka Mnt., upflows of Gnunvayam River, lake on its left bank, 58.82251° N, 163.95995° E, 07.08.2022, IBIW 74012.

Eleocharis acicularis (L.) Roem. et Schult.—(1) 4 km WSW of the estuary of Akanovayam (northern) River, lake in its valley, 59.16616° N, 164.54272° E, 29.07.2022, IBIW 74585; (2) 4 km S of Tayakal Mnt., eastern bank of Mamikinveyam River, lake, 59.08604° N, 164.41942° E, 01.08.2022, IBIW 74312; (3) 2 km S of Ossora village, lake with stony bottom on the roadside, 59.21164° N, 163.05754° E, 14.08.2022, IBIW 74582.

E. palustris (L.) Roem. et Schult.—NE shore of lagoon Elnavan, 58.55138° N, 163.47574° E, 16.07.2022, IBIW 67624.

Lemna trisulca L.—(1) 2.5 km N of Yantanai Mnt., lake, 59.08761° N, 164.3576° E, 21.07.2022, IBIW 74065; (2) 2 km ESE of estuary of Gnunvayam River, oxbow, 58.8763° N, 163.8092° E, 06.08.2022, IBIW 74067; (3) 2 km SE of estuary of Gnunvayam River, oxbow, 58.87214° N, 163.8018° E, 13.08.2022, IBIW 74068; (4) 4 km SSW of Ossora village, *Sphagnum* bog, 59.2095° N, 163.0439° E, 14.08.2022, IBIW 74070; (5) 5 km NE of estuary of Ossora River, lake, 59.30352° N, 163.18854° E, 15.08.2022, IBIW 74072; (6) 8 km WSW of Ossora village, vicinity of Rybnoe Lake, lakelet in *Sphagnum* bog, 59.22227° N, 162.95116° E, 16.08.2022, IBIW 74073.

L. turionifera Landolt—(1) 3 km S of abandoned Yagodnoe village, overgrown lake, 58.8639° N, 163.78108° E, 13.07.2022, IBIW 74074; (2) 2 km SE of estuary of Gnunvayam River, inflow of Gnunvayam River, silted bank, 58.87459° N, 163.79913° E, 06.08.2022, IBIW 74075; (3) 2 km ESE of estuary of Gnunvayam River, oxbow, 58.8763° N, 163.8092° E, 06.08.2022, IBIW 74076; (4) 4.5 km from the estuary of Tusatuvayam River, right bank, river plain, flooded lowland with sedge, 58.89554° N, 163.86432° E, 10.08.2022, IBIW 74077; (5) 2 km of the estuary of Tusatuvayam River, right river bank, oxbow, 58.89807° N, 163.82214° E, 12.08.2022, IBIW 74078.

Myriophyllum sibiricum Kom.—(1) 3 km WNW of Tynnik Cape, northern shore of Elnavan lagoon, lake, 58.55748° N, 163.52324° E, 16.07.2022, IBIW 74081; (2) 5 km SSW of Ossora village, oxbow of Rybnaya branch, 59.20234° N, 163.0253° E, 14.08.2022, IBIW 74082; (3) 1 km NE of Karaga village, roadside ditch in sedge bog, 59.11394° N, 163.13412° E, 17.08.2022, IBIW 74084.

M. ussuriense (Regel) Maxim.—(1) 2 km S of Ossora village, lake on the roadside, stony bottom, 59.21164° N, 163.05754° E, 14.08.2022, IBIW 74086; (2) southern outskirts of Ossora village, lake, 59.22272° N, 163.05685° E, 14.08.2022, IBIW 74088.

M. verticillatum L.—(1) 3 km WNW of Tynnik Cape, northern shore of Elnavan lagoon, lake, 58.55748° N, 163.52324° E, 16.07.2022, IBIW 74089; (2) 3 km NW of the Yantanai Mnt., lake, 59.09383° N, 164.35973° E, 21.07.2022, IBIW 74091; (3) 600 m SE of estuary of Mamikinveyam River, oxbow, 59.02375° N, 163.97723° E, 04.08.2022, IBIW 74092; (4) 4 km SSW of Ossora village, stream flowing into Rybnaya branch, 59.21026° N, 163.03979° E, 14.08.2022, IBIW 74094; (5) 5 km NE of estuary of Ossora River, lake, 59.30352° N, 163.18854° E, 15.08.2022, IBIW 74096; (6) 8 km WSW of Ossora village, vicinity of Rybnoe Lake, lakelet in *Sphagnum* bog, 59.22227° N, 162.95116° E, 16.08.2022, IBIW 74097.

Nymphaea tetragona Georgi—valley of Mamikinveyam River in 3 km SE from its estuary, dry alder forest, lakelet, 59.01053° N, 163.99786° E, 04.08.2022, IBIW 74099. The species was also observed in two close lakelets in 2 km south of the Mamikinveyam River estuary (59.01129° N, 163.97545° E).

Potamogeton berchtoldii Fieb.—(1) 3 km S of abandoned Yagodnoe village, overgrown lake, 58.8639° N, 163.78108° E, 13.07.2022, IBIW 74133; (2) 3 km W of Tynnik Cape,

northern shore of Elnavan lagoon, lake, 58.54887° N, 163.50133° E, 16.07.2022, IBIW 74135; (3) 3 km WNW of Tynnik Cape, northern shore of Elnavan lagoon, lake, 58.55748° N, 163.52324° E, 16.07.2022, IBIW 74137; (4) 4 km NNW of Tynnik Cape, northern shore of Elnavan lagoon, lake, 58.55238° N, 163.5119° E, 16.07.2022, IBIW 74139; (5) 2.5 km N of Yantanai Mnt., oxbow, 59.08868° N, 164.35001° E, 21.07.2022, IBIW 74140; (6) 8 km S of estuary of Ploksan River, oxbow, 58.97672° N, 164.06894° E, 26.07.2022, IBIW 74141; (7) 1 km E of Promezhutochnyi Cape, coastal lake on seashore, 59.19455° N, 164.4536° E, 28.07.2022, IBIW 74142; (8) 4 km WSW of estuary of Akanovayam (northern) River, hollow in its valley, 59.17037° N, 164.55° E, 29.07.2022, IBIW 74143; (9) 4 km WSW of estuary of Akanovayam (northern) River, lake in its valley, 59.16616° N, 164.54272° E, 29.07.2022, IBIW 74144; (10) 2.5 km NW of Tayakal Mnt., large lake, 59.12735° N, 164.36024° E, 31.07.2022, IBIW 74145; (11) vicinity of estuary of Markelovskaya River, eastern bank, lakelet on the bog, 59.12429° N, 164.34184° E, 01.08.2022, IBIW 74146; (12) vicinity of estuary of Mamikinvayam River, eastern river bank, oxbow, 59.02644° N, 163.9839° E, 02.08.2022, IBIW 74147; (13) 1.2 km SE of estuary of Mamikinvayam River, oxbow, 59.01957° N, 163.98349° E, 04.08.2022, IBIW 74151; (14) 5 km ESE of estuary of Gnunvayam River, lakelet in tundra, 58.86553° N, 163.84344° E, 06.08.2022, IBIW 74153; (15) 2 km ESE of estuary of Gnunvayam River, oxbow, 58.8763° N, 163.8092° E, 06.08.2022, IBIW 74154; (16) 6 km NNW of Shapochka Mnt., upflows of Gnunvayam River, oxbow, 58.82586° N, 163.99084° E, 07.08.2022, IBIW 74155; (17) 7.5 km NW of Shapochka Mnt., upflows of Gnunvayam River, lake on its left bank, 58.82344° N, 163.97032° E, 07.08.2022, IBIW 74157; (18) 7 km WNW of Tumannaya Mnt., upflows of Mamikinvayam River, lake on its left bank, 58.86031° N, 164.0179° E, 08.08.2022, IBIW 74158; (19) 10 km NE of Tumannaya Mnt., upflows of Mamikinvayam River, right bank, lake, 58.89285° N, 163.99121° E, 10.08.2022, IBIW 74159; (20) 2 km of the estuary of Tusatuvayam River, left river bank, oxbow, 58.89687° N, 163.82132° E, 12.08.2022, IBIW 74161; (21) 2.5 km ESE of estuary of Gnunvayam, peatmoss bog, lake, 58.87668° N, 163.80923° E, 13.08.2022, IBIW 74163; (22) 5 km SSW of Ossora village, oxbow of Rybnaya branch, 59.20234° N, 163.0253° E, 14.08.2022, IBIW 74165; (23) 5 km NE of estuary of Ossora River, lake, 59.30352° N, 163.18854° E, 15.08.2022, IBIW 74167; (24) 1 km NE of Karaga village, roadside ditch in sedge bog, 59.11394° N, 163.13412° E, 17.08.2022, IBIW 74169.

P. fryeri A. Benn.—(1) 3 km E from abandoned Yagodnoe village, lake, 58.85218° N, 163.78807° E, 13.07.2022, IBIW 74171; (2) 500 m south of estuary of Markelovskaya River, lake, 59.10838° N, 164.2935° E, 20.07.2022, IBIW 74173; (3) 3 km NW of the Yantanai Mnt., lake, 59.08627° N, 164.30751° E, 21.07.2022, IBIW 74174; (4) 2 km E of estuary of Ketontstonvayam River, peat bog, lake, 59.08474° N, 164.21896° E, 22.07.2022, IBIW 74175; (5) 1 km E of Promezhutochnyi Cape, large coastal lake on seashore, 59.19368° N, 164.45969° E, 28.07.2022, IBIW 74177; (6) 5 km N of Tayakal Mnt., lake, 59.15714° N, 164.38905° E, 31.07.2022, IBIW 74178; (7) 2.5 km ESE of estuary of Gnunvayam, peat moss bog, lake, 58.87668° N, 163.80923° E, 13.08.2022, IBIW 74179.

P. perfoliatus L.—(1) 3 km WNW of Tynnik Cape, northern shore of Elnavan lagoon, lake, 58.55748° N, 163.52324° E, 16.07.2022, IBIW 74188; (2) 3 km N of the Yantanai Mnt., lake, 59.09913° N, 164.31572° E, 21.07.2022, IBIW 74190; (3) 4 km WSW of estuary of Akanovayam (northern) River, lake in its valley, 59.16616° N, 164.54272° E, 29.07.2022, IBIW 74192; (4) 4 km S of Tayakal Mnt., eastern bank of Markelovskaya River, lake, 59.08604° N, 164.41942° E, 01.08.2022, IBIW 74194; (5) 4 km S of Tayakal Mnt., eastern bank of Markelovskaya River, lakelet, 59.08291° N, 164.41125° E,

01.08.2022, IBIW 74195; (6) 3.5 km SE of estuary of Mamikinveyam River, oxbow, 59.01388° N, 164.02237° E, 04.08.2022, IBIW 74196.

P. sibiricus A. Benn.—(1) 8 km S of estuary of Ploksan River, oxbow, 58.97672° N, 164.06894° E, 26.07.2022, IBIW 74203; (2) 4 km WSW of estuary of Akanovayam (northern) River, lake in its valley, 59.16616° N, 164.54272° E, 29.07.2022, IBIW 74204; (3) 2 km W of Tayakal Mnt., eastern shore of Markelovskaya River, oxbow, 59.114444° N, 164.36098° E, 01.08.2022, IBIW 74205; (4) 600 m SE of estuary of Mamikinveyam River, oxbow, 59.02375° N, 163.97723° E, 04.08.2022, IBIW 74207; (5) 7 km WNW of Tumannaya Mnt., upflows of Mamikinveyam River, lake on its left bank, 58.86031° N, 164.0179° E, 08.08.2022, IBIW 74209; (6) 8 km WNW of Tumannaya Mnt., upflows of Mamikinveyam River, lake on its right bank, 58.87664° N, 164.01622° E, 08.08.2022, IBIW 74211; (7) 8 km WSW of Ossora village, vicinity of Rybnoe Lake, lakelet in *Sphagnum* bog, 59.22227° N, 162.95116° E, 16.08.2022, IBIW 74213; (8) 1 km NE of Karaga village, roadside ditch in sedge bog, 59.11394° N, 163.13412° E, 17.08.2022, IBIW 74215.

Ranunculus ashibetsuensis Wiegleb—(1) 6 km ENE of estuary of Ossora River, stream, flowing in Chetyrgiryvayam River, 59.32549° N, 163.17108° E, 15.08.2022, IBIW 74218; (2) 8 km WSW of Ossora village, vicinity of Rybnoe Lake, river branch, 59.21822° N, 162.95328° E, 16.08.2022, IBIW 74219.

Ruppia megacarpa R. Mason—(1) NW shore of Elnavan lagoon, 58.55138° N, 163.47574° E, 16.07.2022, IBIW 74240; (2) 2 km NE of Semyonova Cape, lakelet, 58.99776° N, 163.71384° E, 03.08.2022, IBIW 74241.

Sparganium angustifolium Michx.—(1) 3 km E from abandoned Yagodnoe village, lake, 58.85218° N, 163.78807° E, 13.07.2022, IBIW 74244; (2) 3 km W of Tynnik Cape, northern shore of Elnavan lagoon, lake, 58.54887° N, 163.50133° E, 16.07.2022, IBIW 74245; (3) 3 km NW of the Yantanai Mnt., lake, 59.08627° N, 164.30751° E, 21.07.2022, IBIW 74246; (4) 4 km SE of estuary of Ploksan River, lake, 59.02971° N, 164.10118° E, 27.07.2022, IBIW 74247; (5) vicinity of the estuary of Akanovayam (northern) River, lake, 59.17645° N, 164.59457° E, 29.07.2022, IBIW 74248; (6) 2.5 km NW of Tayakal Mnt., large lake, 59.12735° N, 164.36024° E, 31.07.2022; (7) 5 km N of Tayakal Mnt., lake, 59.15714° N, 164.38905° E, 31.07.2022, IBIW 74250; (8) vicinity of abandoned Ostrovnoi village, high marine terrace, lake, 58.97255° N, 163.8856° E, 05.08.2022, IBIW 74242; (9) 7.5 km NW of Shapochka Mnt., upflows of Gnunvayam River, lake on its left bank, 58.82251° N, 163.95995° E, 07.08.2022, IBIW 74251; (10) 8 km WNW of Tumannaya Mnt., upflows of Mamikinveyam River, lake on its right bank, 58.87664° N, 164.01622° E, 08.08.2022, IBIW 73098; (11) 2.5 km ESE of estuary of Gnunvayam River, peat moss bog, lake, 58.87668° N, 163.80923° E, 13.08.2022, IBIW 7474252.

S. glomeratum (Laest.) Neuman—(1) 2 km SE of estuary of Mamikinveyam River, marshy meadow, floodplain, 59.01799° N, 163.98506° E, 04.08.2022, IBIW 74261; (2) 1 km NE of Karaga village, roadside ditch in sedge bog, 59.11394° N, 163.13412° E, 17.08.2022, IBIW 73158.

S. natans L.—8 km WSW of Ossora village, vicinity of Rybnoe Lake, lakelet in *Sphagnum* bog, 59.22227° N, 162.95116° E, 16.08.2022, IBIW 74286.

S. angustifolium Michx. × *S. gramineum* Georgi (*S.* × *speirocephalum* Neuman)—(1) 500 m south of estuary of Markelovskaya River, lake, 59.10838° N, 164.2935° E, 20.07.2022, IBIW 74258; (2) 2 km E of estuary of Ketontstonvayam River, peat bog, lake, 59.08474° N, 164.21896° E, 22.07.2022, IBIW 73291; (3) 3 km S of Tayakal Mnt., eastern bank of

the Markelovskaya River, hollow in bog, 59.09375° N, 164.39336° E, 01.08.2022, IBIW 73289; (4) 1 km S of estuary of Mamikinvayam River, oxbow, 59.01739° N, 163.95255° E, 04.08.2022, IBIW 74259; (5) 2 km ESE of estuary of Gnunvayam River, large lake in tundra, 58.86646° N, 163.83775° E, 06.08.2022, IBIW 73293; (6) 5 km ESE of estuary of Gnunvayam River, lake in tundra, 58.86605° N, 163.89746° E, 06.08.2022, IBIW 74260.

S. angustifolium Michx. × *S. hyperboreum* Laest. (*S.* × *sachalinense* A. A. Bobrov, Volkova, Mochalova et Chemeris)—2.5 km NW of Tayakal Mnt., lakelet in willow stands, 59.12696° N, 164.35661° E, 31.07.2022, IBIW 73297.

S. angustifolium Michx. × *S. rothertii* Tzvel. (*S.* × *komandorensis* A. A. Bobrov, Volkova, Mochalova et Chemeris)—(1) 2 km S of Ossora village, lake on the roadside, stony bottom, 59.21164° N, 163.05754° E, 14.08.2022, IBIW 73303; (2) 4 km SSW of Ossora village, *Sphagnum* bog, 59.2095° N, 163.0439° E, 14.08.2022, IBIW 73277; (3) 5 km SSW of Ossora village, Rybnaya branch, 59.20234° N, 163.0253° E, 14.08.2022, IBIW 74253; (4) 5 km SSW of Ossora village, oxbow of Rybnaya branch, 59.20234° N, 163.0253° E, 14.08.2022, IBIW 74254; (5) 1 km NE of Karaga village, roadside ditch in sedge bog, 59.11394° N, 163.13412° E, 17.08.2022, IBIW 73276.

S. gramineum Georgi × *S. rothertii* Tzvel. (*S.* × *longifolium* Turcz. ex Ledeb.)—2 km south of Ossora village, lake on the roadside, 59.21164° N, 163.05754° E, 14.08.2022, IBIW 73303.

S. hyperboreum Laest. × *S. rothertii* Tzvel. (*S.* × *probatovae* Tzvel.)—2 km S of Ossora village, lake on the roadside, stony bottom, 59.21164° N, 163.05754° E, 14.08.2022, IBIW 73320.

Stuckenia filiformis (Pers.) Börner—(1) 3 km W of Tynnik Cape, northern shore of Elnavan lagoon, lake, 58.54887° N, 163.50133° E, 16.07.2022, IBIW 74287; (2) 3 km WNW of Tynnik Cape, northern shore of Elnavan lagoon, lake, 58.55748° N, 163.52324° E, 16.07.2022, IBIW 74288; (3) 3 km WNW of Tynnik Cape, northern shore of Elnavan lagoon, lake, 58.55723° N, 163.51389° E, 16.07.2022, IBIW 74290; (4) 4 km NNW of Tynnik Cape, northern shore of Elnavan lagoon, lake, 58.55238° N, 163.5119° E, 16.07.2022, IBIW 74292; (5) 6 km WNW of Tynnik Cape, northern shore of Elnavan lagoon, saline bank of gut, 58.5595° N, 163.4783° E, 16.07.2022, IBIW 74295; (6) 4 km WSW of estuary of Akanovayam (northern) River, hollow in its valley, 59.17037° N, 164.55° E, 29.07.2022, IBIW 74296; (7) lake on the seaside terrace near estuary of Akanovayam (northern) River, 59.18689° N, 164.59369° E, 29.07.2022, IBIW 74298; (8) vicinity of estuary of Markelovskaya River, eastern bank, lake on the bog, 59.12429° N, 164.34184° E, 01.08.2022, IBIW 74299; (9) 2 km NE of Semyonova Cape, lakelet, 58.99776° N, 163.71384° E, 03.08.2022, IBIW 74301; (10) 6 km NNW of Shapochka Mnt., upflows of Gnunvayam River, oxbow, 58.82586° N, 163.99084° E, 07.08.2022, IBIW 74302.

Subularia aquatica L.—(1) 4 km SE of estuary of Ploksan River, lake, 59.02971° N, 164.10118° E, 27.07.2022, IBIW 74310; (2) 2 km SW of estuary of Akanovayam (northern) River, dried swampy hollow, 59.16789° N, 164.57657° E, 29.07.2022, IBIW 74311; (3) 4 km S of Tayakal Mnt., eastern bank of Markelovskaya River, lake, 59.08604° N, 164.41942° E, 01.08.2022, IBIW 74312; (4) 7 km WNW of Tumannaya Mnt., upflows of Mamikinvayam River, dried lake on its left bank, 58.8611° N, 164.00926° E, 10.08.2022, IBIW 74314; (5) 2 km SE of estuary of Tusatuvayam, lake in the shrubs of *Pinus pumila*, 58.89275° N, 163.82278° E, 12.08.2022, IBIW 74315; (6) 2 km S of Ossora village, lake on the roadside, 59.21164° N, 163.05754° E, 14.08.2022, IBIW 74316; (7)

lake on the southern outskirts of Ossora village, 59.22272° N, 163.05685° E, 14.08.2022, IBIW 74317.

Utricularia macrorhiza Leconte—(1) 3 km S of abandoned Yagodnoe village, overgrown lake, 58.8639° N, 163.78108° E, 13.07.2022, IBIW 74333; (2) 1.2 km SE of estuary of Mamikinvyam River, oxbow, 59.01957° N, 163.98349° E, 04.08.2022, IBIW 74334; (3) 500 m SE of abandoned Yagodnoe village, oxbow of Gnunvyam River, 58.88335° N, 163.78593° E, 12.08.2022, IBIW 74336; (4) 2 km SE of estuary of Gnunvyam River, 58.86709° N, 163.79786° E, 13.08.2022, IBIW 74338.

U. minor L.—(1) 3 km WNW of Tynnik Cape, northern shore of Elnavan lagoon, lake, 58.55748° N, 163.52324° E, 16.07.2022, IBIW 74342; (2) 3 km W of Tayakal Mnt., near the estuary of Markelovskaya River, eastern bank, hollow on the peat-sedge bog, 59.12546° N, 164.34956° E, 01.08.2022, IBIW 74244.

U. × ochroleuca R. W. Hartm. (*U. intermedia* Hayne × *U. minor* L.)—(1) 2.5 km N of Yantanai Mnt., lake, 59.08761° N, 164.3576° E, 21.07.2022, IBIW 74318; (2) 2.5 km N of Yantanai Mnt., oxbow, 59.08868° N, 164.35001° E, 21.07.2022, IBIW 74319; (3) 2.5 km W of estuary of Akanovayam (northern) River, hollow on the sedge bog, 59.17786° N, 164.55824° E, 30.07.2022, IBIW 74320; (4) 3 km W of Tayakal Mnt., near the estuary of Markelovskaya River, eastern bank, hollow on the peat-sedge bog, 59.12546° N, 164.34956° E, 31.07.2022, IBIW 74324.

Zostera marina L.—4 km E of Promezhutochnyi Cape, sea shore, washed-out plants, 59.206606° N, 164.49612° E, 29.07.2022, IBIW 74100.