

precipitation ranges between 600 mm and 1300 mm per annum. The climate is oceanic, moderately cold. The summer is cool, rainy with a temperature not higher than +20°C (June). The winter temperature is not lower than -10°C. The relief is middle-mountainous, volcanic, represented by three acting volcanoes and mountain massifs connected by low-lying isthmuses. The sea coast is rocky, steep or gently sloping with sand dunes shores.

Site selection

In 2014–2019, we have carried out research and field investigation of *T. maximowicziana* subpopulations, including our data and literature sources

(Grishchenko et al., 2018) on Kunashir Island (Table 1). These subpopulations were considered to be a representative sample of the *T. maximowicziana* population on both Kunashir Island and in Russia. In relation to the IUCN Red List categories and criteria the subpopulations are defined as geographically or otherwise distinct groups in the Russian population between which there is little demographic or genetic exchange (IUCN, 2019). However we must note that the subpopulations selected in our study do not fit completely this definition as genetic exchange is highly likely. The term is used here for convenience to mean a portion of the Russian population.



Fig. 1. The locations in which *Tilia maximowicziana* is located in Russia (Kunashir Island) on map of Asia. Designations: 1 – location A, 2 – location B, 3 – location C, 4 – location D, 5 – location E, 6 – location F.

Table 1. Locations in which we confirmed the occurrence of *Tilia maximowicziana* on Kunashir Island, Russia, with geographical coordinates, altitude, slope exposure, distance to sea coast, number of mature individuals, and saplings

Locations	Description	Altitude, m a.s.l.	Slope exposure	Distance to sea coast, m	Number of mature (fruiting) individuals	Number of saplings
A. Ivanovskiy cape	Left bank of River Krivonozhka	60	NW	340	6 (0)	5
B. Golovnin volcano caldera	Right bank of stream Ozernyi	126	NW	400	12 (3)	4
C. Golovnin volcano caldera	The top of mud volcano Magnolievaya northwest of the stream Ozernyi	140	W	420	1 (0)	2
D. Alekhina cape	Upper reaches of the stream Pogranichnyi, left bank	50	NW	1275	8 (0)	–
E. Alekhina cape	Right bank of stream Alekhina	62	S	1550	1 (0)	–
F. Stolbchatyi cape	Upper slope part of in 250 m from the mouth of the stream Zmeinyi	90	W	140	3 (1)	–

