Establishment Report
Clonal trial of five Salix clones from Tilichiski

Kenneth Høegh, Birgitte Jacobsen, Erik Kjær, Jerry Leverenz, Lisbeth Sevel
Narsarsuaq, August 2003

Clonal trial of five salix clones from Tilichiski.

Date of establishment:
Established 31/8/2003 by Kenneth Høegh, Lisbeth Sevel, Jerry Leverenz and Erik D. Kjær.
The weather was rainy with no wind

Plant material
Four clones of *Salix udensis* and one clone of *S. alexensis* represented each by 20 ramets.
<u>Origin</u>: Tilichiski, N-Kamchatka, 59N, Russia.
<u>Collection site</u>: Dump area outsite village, sandy, mineral soil.
<u>Selection criteria</u>: Fast growth, Green colour (avoid clones that have autumn colours). Selection intensity: five clones selected among hundres of clones.
<u>Propagation:</u> Collected as stem cutting by Kenneth Høegh, Jerry Leverenz, Thor Thorfinsson, Sept. 2000, propagated by Iceland Forest Service (contact: Thor Thorfinsson). Plant size: 3 years plants in small containers. Approximately 25 cm.
<u>Site preparation:</u> Clearing of strips in natural willow by Rasmus Christensen.

Clones	Number of rametes
S. alexensis:	
93/00,	20 pcs
Salix udensis:	
156/00,	20 pcs
128/00-clone 3,	20 pcs
128/00-clone 1,	20 pcs
154/00,	20 pcs

Layout.
The clones are replicated in five randomized blocks. Each block is a row that consists of five line plot (4 plants per plot) facing North-South (see map).

MAP: Narsarsuaq, The Greenlandic Arboretum, Department, A9

5 *Larix sibirica*

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128-1 (20)		128-3 (13)		93 (12)		154 (5)		156 (4)
128-1 (19)		128-3 (14)		93 (11)		154 (6)		156 (3)
128-1 (18)		128-3 (15)		93 (10)		154 (7)		156 (2)
128-1 (17)		128-3 (16)		93 (9)		154 (8)		156 (1)
93 (20)	W	156 (13)	W	128-3 (12)	W	128-1 (5)	W	154 (4)
93 (19)	I	156 (14)	I	128-3 (11)	I	128-1 (6)	I	154 (3)
93 (18)	L	156 (15)	L	128-3 (10)	L	128-1 (7)	L	154 (2)
93 (17)	L	156 (16)	L	128-3 (9)	L	128-1 (8)	L	154 (1)
156 (20)	O	154 (13)	O	128-1 (12)	O	128-3 (5)	O	93 (4)
156 (19)	W	154 (14)	W	128-1 (11)	W	128-3 (6)	W	93 (3)
156 (18)		154 (15)		128-1 (10)		128-3 (7)		93 (2)
156 (17)		154 (16)		128-1 (9)		128-2 (8)		93 (1)
128-3 (20)		93 (13)		154 (12)		156 (5)		128-1 (4)
128-3 (19)		93 (14)		154 (11)		156 (6)		128-1 (3)
128-3 (18)		93 (15)		154 (10)		156 (7)		128-1 (2)
128-3 (17)		93 (16)		154 (9)		156 (8)		128-1(1)
154 (20)		128-1 (13)		156 (12)		93 (5)		128-3 (4)
154 (19)		128-1 (14)		156 (11)		93 (6)		128-3 (3)
154 (18)		128-1 (15)		156 (10)		93 (7)		128-3 (2)
154 (17)		128-1 (16)		156 (9)		93 (8)		128-3 (1)

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5 *Larix sibirica*

Clone nr (number of ramet within each clone)

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Location: Department A9, north of the road, south of the food path.

Foot path