

No on map	Sam-ple	Section/ location	Coordinates x y		Method	Dated material	Depth, m	Superposition	Age	Lab. ID/ refer. no	Reference
Dated LG samples on the Palivere stadial deposits											
1	1	Kasispea	na	na	¹⁰ Be	Edelakivi erratic	na	surface	4057±458	EST-9	Raukas 2004
2	2	Tabasalu3	- " -	- " -	¹⁰ Be	Rahneli erratic	na	- " -	5464±615	EST-3	- " -
3	3	Palivere	23°55'43,2"	58°58'12,6"	OSL	sand	4,6	sand layer in gravel	9 800±1300	R-29	- " -
	4	- " -	- " -	- " -	OSL	sand	4,6	- " -	10 900±1300	R-30	- " -
4	5	Nõva1	23°45'07"	59°08'59"	¹⁰ Be	Eedukivi erratic	na	surface	12 002±1078	EST-4	- " -
5	6	Männiku	24°43'08"	59°21'43"	OSL	sand	2,0	delta deposits	10 200±1200	R-31	- " -
	7	- " -	- " -	- " -	OSL	sand	4,0	- " -	21 000±2500	R-32	- " -
	8	- " -	- " -	- " -	OSL	sand	6,0	- " -	12 300±1700	R-33	- " -
6	9	Sillaotsa	25°46'37,1"	59°32'00,2"	OSL	fine sand	4,7	sand in gravel pit	11 300±1300	R-34	- " -
7	10	Kuusalu	na	na	¹⁰ Be	nameless erratic	na	surface	11 499±914	EST-7	- " -
8	11	Tabasalu2	- " -	- " -	¹⁰ Be	Noorgeoloogide e	na	surface	11 938±1053	EST-2	- " -
9	12	Valgejõe	25°45'28"	59°27'46"	OSL	fine sand	4,4	delta deposits	12 400±1200	R-35	- " -
	13	- " -	- " -	- " -	OSL	fine sand	4,4	- " -	12 200±1200	R-36	- " -
	14	- " -	- " -	- " -	OSL	fine sand	7,0	- " -	59 000±5000	N-3	- " -
10	15	Kemba	na	na	¹⁰ Be	Urita Suurkivi err	na	surface	12 832±940	EST-8	- " -
11	16	Tabasalu1	- " -	- " -	¹⁰ Be	Kallaste erratic	na	- " -	13 017±1236	EST-1	- " -
12	17	Käsmu	- " -	- " -	¹⁰ Be	nameless erratic	na	- " -	14 470±1146	EST-10	- " -
13	18	Nõva2	- " -	- " -	¹⁰ Be	nameless erratic	na	- " -	15 435±1348	EST-5	- " -
Dated LG samples on the Pandivere stadial deposits between Pandivere and Palivere ice-marginal zones											
14	19	Kunda	26°32'52"	59°29'19"	¹⁴ C	reindeer horn	na	in the lake marl	10 170±95	Hela-597	Ukkonen et al. 2005
	20	- " -	- " -	- " -	¹⁴ C	fen moss	1,20-1,25	silt below lake marl	11 690±150	Ta-194	Ilves et al. 1969
	21	- " -	- " -	- " -	¹⁴ C	<i>Bryales</i> peat	ca 1,2	- " -	13 170±200	Tln-837	Moora 1998
15	22	Vaharu	24°32'04"	59°09'18"	¹⁴ C	lake marl	5,2-5,3	beginning of lake sediments	10 290±130	Ta-174	Kessel & Punning 1969
16	23	Iisaku	27°19'03"	59°07'25"	OSL	fine sand	3,0	interlayers in gravel	11 600±1100	R-46	Raukas 2004
	24	- " -	- " -	- " -	OSL	fine sand	5,0	- " -	114 000±8000	N-5	- " -
17	25	Palmse	na	na	¹⁰ Be	nameless erratic	na	- " -	12 872±910	EST-11	- " -
18	26	Pikasaare	25°51'22,1"	59°26'16,8"	OSL	sand	3,2	sand in kame field	13 700±1300	R-37	- " -
	27	- " -	- " -	- " -	OSL	sand	6,4	- " -	23 000±6000	R-38	- " -
	28	- " -	- " -	- " -	OSL	sand	8,2	- " -	16 200±4200	R-39	- " -
19	29	Pannjärve	27°34'00"	59°16'40"	OSL	medium sand	5,0	sand in kame field	72 000±11000	N-9	- " -
	30	- " -	- " -	- " -	OSL	medium sand	5,0	- " -	75 000±9000	N-10	- " -
	31	- " -	- " -	- " -	OSL	medium sand	8,0	- " -	9 800±1100	R-41	- " -
	32	- " -	- " -	- " -	OSL	medium sand	8,0	- " -	11 500±1200	R-42	- " -
	33	- " -	- " -	- " -	OSL	medium sand	15,0	- " -	13 400±1200	R-43	- " -
20	34	Uljaste	26°48'19"	59°21'00"	OSL	sand	2,2	esker deposit	96 000±12 000	R-40	- " -

Dated LG samples on the Otepää stadial deposits between Otepää and Pandivere ice-marginal zones											
21	35	Taimeaia	26°03'12"	57°49'28"	OSL	fine sand	2,0	outwash plain	7500±1100	R-50	Raukas 2004
	36	- " -	- " -	- " -	OSL	fine sand	2,0	- " -	13 200±1400	R-51	- " -
	37	- " -	- " -	- " -	OSL	fine sand	2,0	- " -	70 000±12 000	R-54	- " -
22	38	Naritsa	26°02'50"	58°08'06"	¹⁴ C	soil organics	na	paleosoil below lake sand	10 027±67	TIn-2594	Moora et al. 2002
23	39	Puurmani	26°13'50"	58°32'20"	¹⁴ C AMS	mammoth molar	na	in lacustrine silt	10 100±100	Hela-423	Lõugas et al. 2002
	40	- " -	- " -	- " -	¹⁴ C AMS	mammoth molar	na	- " -	10 200±100	Hela-425	- " -
24	41	Saviku	27°13'52"	58°26'05"	¹⁴ C	peaty gyttja	6,9-7,0	beginning of gyttja	10 200±90	Ta-328	Sarv & Ilves 1975
25	42	Kuliska	27°41'55"	57°58'59"	¹⁴ C	lake marl	5,7-5,9	beginning of lake sediments	10 400±350	Ta-44	Liiva et al. 1966
26	43	Kallukse	26°04'37"	59°21'22"	¹⁰ Be	Lodikivi erratic	na	surface	13 020±1117	EST-12	Raukas 2004
27	44	Vedu	26°46'41"	58°30'29"	¹⁰ Be	Nõiakivi erratic	na	- " -	13 448±1037	EST-13	- " -
28	45	Laeva	26°21'36,6"	58°28'16,5"	OSL	medium sand	7,8	delta deposits	13 800±1500	R-47	- " -
29	46	Loobu	26°01'51"	59°24'32"	¹⁴ C	peat	1,60-1,69	on lacustrine clay	13 970±115	Ta-137	Punning et al. 1968
	47	- " -	- " -	- " -	¹⁴ C	peat	1,70-1,78	- " -	14 725±260	Ta-138	- " -
30	48	Tääksi	25°38'31,6"	58°31'08,8"	OSL	fine sand	6,2	proglacial outwash	54 000±5000	R-48	Raukas 2004
	49	- " -	- " -	- " -	OSL	fine sand	6,2	- " -	62 000±7000	R-49	- " -
Dated LG samples located between Haanja and Otepää ice-marginal zones											
31	50	Nõuni	26°31'21"	58°08'25"	¹⁴ C	plant detritus	1,25-1,45	below gravel and sand	10 900±110	Ta-241	Ilves et al. 1969
32	51	Kurenurme	26°41'59"	57°50'24"	¹⁴ C	plant detritus	5,8	betw. two uppermost tills	12 420±100	TIn-35	Punning et al. 1974
	52	- " -	- " -	- " -	¹⁴ C	<i>Salix</i> wood	5,8	- " -	12 650±520	Ta-57	Liiva et al. 1966
	53	Kurenurme3	26°41'59"	57°50'24"	OSL	fine sand	8,1	- " -	12 710±1800	TInOSL-1433	this paper
33	54	Äidu	na	na	¹⁰ Be	Rehekivi erratic	na	surface	13 031±922	EST-16	Raukas 2004
	55	Kurenurme1	26°41'59"	57°50'24"	OSL	fine sand	5,2	betw. two uppermost tills	14 490±2060	TInOSL-1434	this paper
34	56	Kaagvere	26°36'44"	58°00'18"	¹⁴ C	plant detritus	3,46-3,62	- " -	15 150±575	Ta-50	Liiva et al. 1966
	57	Kaagvere1	- " -	- " -	OSL	fine sand	3,3	- " -	21 070±2330	TInOSL-1432	this paper
	58	Kaagvere2	- " -	- " -	OSL	fine sand	5,8	- " -	14 930±1790	TInOSL-1426	- " -
	59	Kaagvere	- " -	- " -	¹⁴ C	plant detritus	4,0	- " -	≥ 30 000	Ta-36	Liiva et al. 1966
Dated LG samples located beyond Haanja ice-marginal zone											
35	60	Remmeski	27°20'09"	57°42'40"	¹⁴ C	dispersed peat	3,05-3,10	on varved clay and lac. silt	10 740±130	Ta-215	Punning et al. 1971
	61	- " -	- " -	- " -	¹⁴ C	dispersed peat	3,4-3,5	in lac. silt on varved clay	10 770±130	Ta-216	- " -
36	62	Viitka	27°19'29"	57°41'07"	¹⁴ C	plant detritus	3,5	below topmost reddish till	10 950±80	TIn-413	Punning et al. 1981
	63	- " -	- " -	- " -	¹⁴ C	peat	3,7-4,0	- " -	11 090±135	Ta-132	Punning et al. 1967
37	64	Viitina	na	na	¹⁰ Be	Pikasaare erratic	na	surface	11 004±770	EST-21	Raukas 2004
38	65	Pütsepa	27°16'05"	57°42'15"	¹⁰ Be	Jeremi erratic	na	- " -	11 131±863	EST-23	- " -
39	66	Jaanimäe1	na	na	¹⁰ Be	Suurkivi erratic	na	- " -	11574±976	EST-18	- " -

40	67	Petruse	27°10'54"	57°42'28"	¹⁴ C	plant detritus	na	below topmost reddish till	12 670±200	LU-130A	Punning et al. 1981
	68	- " -	- " -	- " -	¹⁴ C	plant detritus	na	- " -	12 080±120	LU-130B	- " -
41	69	Jaanimäe2	na	na	¹⁰ Be	Talukivi erratic	na	surface	16 251±1121	EST-19	Raukas 2004
Võrtsjäve (Late Weichselian) glacial deposits (other than LG)											
42	70	Peedu	26°26'30"	58°14'30"	TL	till	2,0	topmost reddish-brown till	48 000	TInTL-36	Kajak et al. 1981
43	71	Rõngu	26°12'43"	58°08'34"	TL	till	0,9	- " -	≥ 75 700	TInTL-??	- " -
44	72	Valga	26°02'40"	57°46'57"	TL	till	4,0	- " -	43 000±3000	TInTL-113	- " -
	73	- " -	- " -	- " -	TL	till	6,0	- " -	80 000±6000	TInTL-112	- " -
45	74	Valguta	26°12'26"	58°12'02"	TL	till	4,1	- " -	≥ 124 000	TInTL-59	- " -
Savala (Middle-Weichselian) interstadial deposits											
46	75	Mooste	27°13'27"	58°07'33"	¹⁴ C AMS	mammoth molar	na	in LG lake sediments	30 640±830	Hela-418	Lõugas et al. 2002
47	76	Heimtali	25°28'16"	58°20'12"	¹⁴ C AMS	mammoth tusk	2,5	in glaciofluvial gravel	>37 000	Hela-420	- " -
48	77	Lammasmäe	26°32'14"	59°27'48"	¹⁴ C AMS	mammoth tusk	na	- " -	> 38 000	Hela-424	- " -
49	78	Kallaste	26°34'38"	57°36'57"	¹⁴ C AMS	mammoth molar	5,0	- " -	> 38 000	Hela-421	- " -
50	79	Tahkumägi	26°32'03"	57°33'28"	¹⁴ C AMS	mammoth bone	na	in alluvial gravel	> 38 000	Hela-422	- " -
51	80	Tudulinna	27°04'24"	59°02'16"	¹⁴ C AMS	mammoth tusk	na	in glaciofluvial gravel	> 40 000	Hela-419	- " -
52	81	Ihasalu	25°08'50"	59°32'10"	¹⁴ C AMS	mammoth molar	na	in beach sand & gravel	> 41 000	Hela-426	- " -
53	82	Kammeri1	26°37'57"	58°10'43"	OSL	fine sand	7,9	below 1. till and org. layer	17 180±3050	TInOSL-1428	this paper
	83	- " -	- " -	- " -	OSL	fine sand	10,0	- " -	17 650±2330	TInOSL-1429	- " -
	84	Kammeri2	- " -	- " -	OSL	fine sand	9,3	- " -	14 060±1640	TInOSL-1431	- " -
	85	Kammeri	- " -	- " -	OSL	fine sand	8,9	below 2. till	41 600±3900	TInOSL-1367	- " -
	86	- " -	- " -	- " -	OSL	fine sand	9,1	- " -	41 300±3500	TInOSL-1368	- " -
	87	- " -	- " -	- " -	OSL	fine sand	9,9	- " -	43 200±3600	TInOSL-1369	- " -
54	88	Pehka	26°20'17"	59°29'30"	OSL	sand	6,9	below beach & flgl gravel	26 800±3500	TInOSL-1337	Kadastik 2004
43	89	Rõngu	26°12'43"	58°08'34"	OSL	fine sand	2,8	betw. topm. till & Eemian	32 100±4400	TInOSL-1364	this paper
	90	- " -	- " -	- " -	OSL	fine sand	4,3	- " -	36 700±6200	TInOSL-1365	- " -
	91	- " -	- " -	- " -	OSL	fine sand	9,0	below Eemian organic layer	39 500±2300	TInOSL-1366	- " -
55	92	Kõrveküla	26°47'07"	58°25'29"	OSL	fine sand	2,9	above Holst. org. layer	68 400±4200	TInOSL-1360	- " -
	93	- " -	- " -	- " -	OSL	fine sand	3,0	- " -	69 500±3700	TInOSL-1363	- " -
	94	- " -	- " -	- " -	OSL	fine sand	6,5	below Holst. org. layer	81 200±7800	TInOSL-1362	- " -
	95	- " -	- " -	- " -	OSL	fine sand	6,7	- " -	93 400±3700	TInOSL-1361	- " -
Valgjärve (Early Weichselian) till and related glacial deposits											
42	96	Peedu	26°26'30"	58°14'30"	TL	till	3,0	second till from top	65 000	TInTL-41	Kajak et al. 1981
	97	- " -	- " -	- " -	TL	till	5,75	- " -	75 000	TInTL-40	- " -
44	98	Valga	26°02'40"	57°46'57"	TL	till	17,0	second till from top	153 000±10000	TInTL-114	- " -

45	99	Valguta	26°12'26"	58°12'02"	TL	till	10,1	second till from top	46 000	TInTL-51	- " -
	100	- " -	- " -	- " -	TL	till	13,8	- " -	50 000	TInTL-54	- " -
	101	- " -	- " -	- " -	TL	till	18,0	- " -	59 000	TInTL-55	- " -
	102	- " -	- " -	- " -	TL	till	20,3	grey till	76 000	TInTL-65	- " -
	103	- " -	- " -	- " -	TL	fine sand	22,0	below 3. till from top	66 500	TInTL-67	- " -
Prangli (Eemian) interglacial deposits											
42	104	Peedu	26°26'30"	58°14'30"	¹⁴ C	plant detritus	6,68-6,77	below 2. till from top	20 673±100	Ta-63	Liiva et al. 1966
	105	- " -	- " -	- " -	¹⁴ C	wood	7,6-7,8	- " -	39 180±1960	Ta-136	Punning 1970
	106	- " -	- " -	- " -	¹⁴ C	peat	7,6-7,8	- " -	39 700±850	Ta-254	- " -
	107	- " -	- " -	- " -	¹⁴ C	humus from peat	7,6-7,8	- " -	31 200±800	Ta-254a	- " -
	108	- " -	- " -	- " -	TL	fine sand	4,43	- " -	90 000	TInTL-37	Kajak et al. 1981
	109	- " -	- " -	- " -	TL	silt	5,3	- " -	100 000	TInTL-38	- " -
	110	- " -	- " -	- " -	TL	fine sand	5,75	- " -	40 000	TInTL-39	- " -
43	111	Rõngu	26°12'43"	58°08'34"	¹⁴ C	peat	6,0-6,7	below 1. till from top	≥30 000	Ta-45	Liiva et al. 1966
	112	- " -	- " -	- " -	¹⁴ C	gyttja	6,7-7,2	- " -	≥ 30 000	Ta-46	- " -
Upper-Ugandi (Warthe) glacial deposits											
43	113	Rõngu	26°12'43"	58°08'34"	TL	till	14,0	till below Eemian org. layer	≥ 110 000	TInTL-??	Kajak et al. 1981
44	114	Valga	26°02'40"	57°46'57"	TL	till	60,0	3. till from top	216 000±10000	TInTL-115	- " -
Middle-Ugandi interglacial deposits											
56	115	Arumetsa	24°32'54"	58°04'20"	¹⁴ C	wood	2,0	in deformed lacustrine clay	≥ 35 535	Ta-2845	this paper
	116	- " -	- " -	- " -	¹⁴ C	wood	2,0	- " -	≥ 50 000	Ta-2846	Rattas et al. 2001
Lower-Ugandi (Drenthe) glacial deposits											
45	117	Valguta	26°12'26"	58°12'02"	TL	till	32,0	viol-reddish till, 4. from top	≥ 119 000	TInTL-66	Kajak et al. 1981
Karuküla (Holsteinian) interglacial deposits											
55	118	Kõrvküla	26°47'07"	58°25'29"	¹⁴ C	wood	3,5	under till, above of gytja	41000±700/2100	TIn-328	Punning et al. 1980
	119	- " -	- " -	- " -	¹⁴ C	humus from gytja	5,2-7	below till and sand	47 760±11000	TIn-384	Punning et al. 1983
	120	- " -	- " -	- " -	¹⁴ C	humus from gytja	5,2-7	- " -	≥ 50 300	TIn-384A	Rajamäe 1982
57	121	Karuküla	24°58'08"	58°05'44"	¹⁴ C	peat ?	1,49-1,64	in sand below topmost till	≥ 33 000	Mo-375	Vinogradov et al. 1966
	122	- " -	- " -	- " -	¹⁴ C	wood	1,5-1,7	- " -	33 450±800	Ta-99	Punning et al. 1967
	123	- " -	- " -	- " -	¹⁴ C	wood	1,6	- " -	≥ 52 780	LU-44	Arslanov 1971
	124	- " -	- " -	- " -	¹⁴ C	peat	1,5-1,7	- " -	48 100±1700	Ta-100	Punning et al. 1967
	125	- " -	- " -	- " -	¹⁴ C	peat	1,5-1,7	- " -	≥ 53 240	LU-123	Arslanov 1971
	126	- " -	- " -	- " -	¹⁴ C	peat	1,95-2,15	- " -	48 100±1650	Ta-101	Punning et al. 1967
	127	- " -	- " -	- " -	¹⁴ C	gyttja	2,35-2,55	- " -	≥ 45 000	Ta-106	- " -
	128	- " -	- " -	- " -	¹⁴ C	wood	1,65	- " -	40 800±700	Ta-275	Ilves et al. 1974

	129	- " -	- " -	- " -	¹⁴ C	wood	1,65	- " -	≥ 48 750	Birm-249	Shotton & Williams 1973
	130	- " -	- " -	- " -	¹⁴ C	peat from wood	2,05	- " -	47 800±1100	Ta-276	Ilves et al. 1974
	131	- " -	- " -	- " -	¹⁴ C	peat	2,3	- " -	48 800±1200	Ta-277	- " -
	132	- " -	- " -	- " -	¹⁴ C	wood	1,6-1,7	- " -	48 600±1600	GSC-1976	Blake 1975
	133	- " -	- " -	- " -	¹⁴ C	na	1,8-1,9	- " -	≥ 46 000	GSC-1975	- " -
	134	- " -	- " -	- " -	¹⁴ C	cellulo. from wood	1,6	- " -	≥ 51 200	TIn-443	Punning et al. 1983
	135	- " -	- " -	- " -	¹⁴ C	lignine from wood	1,6	- " -	≥ 52 100	TIn-461	- " -
	136	- " -	- " -	- " -	¹⁴ C	cellulo. from wood	1,6	- " -	≥ 50 700	TIn-452	- " -
	137	- " -	- " -	- " -	¹⁴ C	lignine from wood	1,6	- " -	≥ 52 200	TIn-466	- " -
	138	- " -	- " -	- " -	¹⁴ C	lignine, cellulose	1,3	- " -	≥ 58 600	TIn-524	Rajamäe 1982
	139	- " -	- " -	- " -	¹⁴ C	lignine, cellulose	1,9	- " -	55000±8100/4000	TIn-525	- " -
	140	- " -	- " -	- " -	¹⁴ C	lignine, cellulose	2,0	- " -	54000±6600/3600	TIn-526	- " -