

## Radiocarbon ages for Quaternary stratigraphic units on western Yamal Peninsula, Russia

Section Location	Reference	Material dated	weight (mg)	Laboratory number <sup>1</sup>	<sup>14</sup> C age yr B. P.
<b><i>Labsuyakha sand</i></b>					
Labsuyakha River mouth	this study	abraded wood	27,000	GX-21800	>41,910
Yarayakha River	Gataullin, 1988	plant remains		LU-285	33,160 ± 550
Station Ust'-Yuribei	Gataullin, 1988	peat		LU-1166	40,930 ± 1580
Kharasavey	Gataullin, 1988	peat		Ri-284	35,404 ± 340
	Gataullin, 1988	peat		Ri-281	>31,520
Kharasavey borings	Krapivner, 1986	peat		GIN-2810	35,100 ± 1000
	Krapivner, 1986	peat		GIN-2811	>26,000
Marresalle Station	Zubakov, 1972	wood		LU-11	>55,500
	Bolihovsky et al., 1989	wood		GIN-5199	31,100 ± 400
	Bolihovsky et al., 1989	wood		GIN-5198	42,000 ± 100
<b><i>Kara diamicton</i></b>					
Kharasavey River mouth	Gataullin, 1988	wood		Ri-299	35,973 ± 370
Marresalle Station	Arslanov et al., 1986	log		LU-1270	43,110 ± 1540
<b><i>Varjakha peat and silt</i></b>					
4.1 km site	this study	peat plant	105	AA-26939	32,400 ± 500
	this study	peat plant	250	AA-26940	32,700 ± 580
	this study	peat plant	237	NSRL-10309	32,400 ± 440
	this study	peat plant	106	NSL-10308	33,400 ± 450
	this study	peat plant	50	NSRL-10307	32,800 ± 390
4.70 km site	this study	peat plant	1000	AA-26941	27,980 ± 380
	this study	peat plant	750	AA-26942	28,560 ± 360
	this study	peat plant	120	NSRL-10310	30,100 ± 260
4.73 km site	this study	peat plant	292	AA-26945	28,233 ± 362
5.1 km site	this study	peat plant	400	AA-26944	28,359 ± 327
<b><i>Olein sand</i></b>					
4.70 km site	this study	vascular plant	34	NSRL-10311	27,300 ± 430
	this study	vascular plant	49	NSRL-10312	25,100 ± 560
4.73 km site	this study	vascular plant	27	AA-26946	28,280 ± 421
	this study	vascular plant	18	AA-26947	27,450 ± 320
	this study	vascular plant	6	AA-26948	26,230 ± 260
<b><i>Baidarata sand</i></b>					
1.61 km site	this study	vascular plant	42	AA-26949	15,025 ± 95
	this study	vascular plant	104	AA-26950	14,280 ± 90
	this study	vascular plant	1540	AA-26951	13,225 ± 85
	this study	vascular plant	378	AA-26952	12,220 ± 75
	this study	vascular plant	9.3	AA-26958	12,980 ± 80
2.04 km site	this study	vascular plant	15.9	AA-26959	13,845 ± 80
	this study	vascular plant	18.0	AA-26960	14,140 ± 100
	this study	vascular plant	20.0	AA-26961	15,020 ± 120
	this study	vascular plant	15.3	AA-26962	16,360 ± 120
	this study	vascular plant	9.4	AA-26964	13,060 ± 100
3.39 km site	this study	vascular plant	9.4	AA-26964	13,060 ± 100
2.51 km site	this study	vascular plant	26.1	AA-26965	13,975 ± 95
	this study	vascular plant	27	AA-26966	13,990 ± 100
<b><i>Betula horizon</i></b>					
1.61 km site	this study	<i>Betula</i> bark	487	AA-26967	8865 ± 65
	this study	<i>Betula</i> wood	70900	GX-23496	7990 ± 65
2.04 km site	this study	<i>Betula</i> twig	532	AA-26957	8345 ± 60
	this study	<i>Betula</i> bark	25900	GX-23943	8620 ± 70
	this study	<i>Betula</i> bark	14000	GX-23494	8110 ± 90
	this study	<i>Betula</i> bark	17000	GX-23495	8050 ± 80

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<i>Nenets peat</i>					
2.04 km site	this study	peat plant	17.5	AA-26955	1015 ± 40
	this study	peat plant	127	AA-26956	8195 ± 60
<i>Chum sand</i>					
2.04 km site	this study	vascular plant	11.2	AA-26953	80 ± 40
	this study	vascular plant	14.4	AA-26954	post-bomb

Unreferenced Radiocarbon Laboratories, AA: NSF-Arizona AMS Facility, University of Arizona, Tuscon, AZ; GX: Gechron Laboratories, Cambridge, MA; NRSL: INSTAAR, Univ. of Colorado.

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