

Wiles and Calkin - Table 1 (page 1)

TABLE 1. RADIOCARBON AGES FROM THE SOUTHERN KENAI MOUNTAINS

Laboratory no.	Uncalibrated age year B.P.	Calibrated interval year B.P. (except where noted)	Glacier*	Source and Significance
BGS-1270	105±70	modern	GW	outer rings of in-situ tree, records outwash aggradation
BGS-1271	1440±70	1510 (1329) 1270	440 (621) 658	DG outer rings of in- situ tree buried in diamict, maximum age for ice advance
BGS-1272	440±120	670 (508) 280	1280 (1442) 1670	GW detrital organics, maximum age on ice advance
BGS-1273	360±70	530 (464) 290	420 (1486) 1660	GW outer rings of transported log, maximum age on ice advance
BGS-1277	260±70	490 (302) 0	1460 (1648) 1955	GW outer rings of transported log, maximum age for lacustrine deposition along lateral moraine, probably corresponding to ice recession

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Laboratory no.	Uncalibrated age year B.P.	Calibrated interval year B.P. (except where noted)	Glacier*	Source and Significance
BGS-1278	1440±70	1510 (1329) 1270	440 (621) 680	GW outer rings of in-situ tree, maximum age for ice advance
BGS-1279	8400±100	Beyond calibration curve	HC	alder branch in deltaic gravels, minimum for Pleistocene deglaciation
BETA-29944	360±70	530 (464) 290	1422(1486)1660	GW outer rings of a transported log, maximum age for ice advance
BETA-33343	250±50	450 (299) 0	1500 (1651) 1955	YG outer rings of transported log, maximum age for ice advance
BETA-33344	3760±100	4419(4105)3859	BC 2470(2156)1910	TU charcoal on top of end moraine, minimum age for Tustemena III advance
BETA-33345	1480±70	1416 (1354) 1307	534 (596) 643	MC outer rings of in-situ tree, maximum age for ice advance

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Laboratory no.	Uncalibrated age year B.P.	Calibrated interval year B.P.	Glacier*	Source and Significance
		year A.D. (except where noted)		
BETA-33347	250±50	450 (299) 0	1500 (1651) 1955	GW outer rings of transported log, maximum age for ice advance
BETA-33348	10240±70	Beyond calibration curve	HC	organics at the base of a lacustrine section, maximum age for Pleistocene deglaciation
BETA-33349	270±50	470 (305) 0	1480 (1645) 1955	EX an alder branch in lateral moraine deposits, maximum age for ice advance
BETA-33800	690±70	730 (669) 550	1220 (1281) 1400	MC organics in lacustrine section, time of ice-free conditions
BETA-35927	1090±70	1170 (982) 920	780 (968) 1030	MC outer rings of in-situ tree, time of ice-free
BETA-39629	1120±60	1070 (1053) 964	880 (897) 986	MC from the outer rings of in-situ tree, time of ice-free conditions

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Laboratory no.	Uncalibrated age year B.P.	Calibrated interval year B.P. (except where noted)	Glacier*	Source and Significance
BETA-39630	1090±50	1059 (982) 950	891 (968) 1000	MC outer rings of in-situ tree, time of ice-free conditions
BETA-39631	3310±60	3631 (3563) 3470	BC 1682 (1614) 1521	MC alder branch in diamict, maximum age for ice advance
BETA-39632	100±50	280 (65,38,0) 0	1670(1885,1912,1955)1955	MC outer rings of a transported log in moraine, maximum age for ice advance
BETA-39633	330±50	500(431,363,327)290	1450(1519,1587,1623)1660	EX outer rings of a transported log, maximum limiting age for ice advance
BETA-39634	910±60	940 (872,825,814) 700	1010 (1078,1125,1136) 1250	AI transported stump in lacustrine sediments, a time of ice expansion and the formation of an ice-dammed lake
BETA-39635	280±50	480 (308) 0	1470 (1642) 1955	BE outer rings of a transported log, maximum age of the formation of an ice-dammed lake

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Laboratory no.	Uncalibrated age year B.P.	Calibrated interval year B.P. year A.D. (except where noted)	Glacier*	Source and Significance
BETA-39636	400±50	530 (490) 310 1420 (1460) 1640	BE	outer rings of an in-situ log, maximum age of the formation of a delta into an ice- dammed lake
BETA-39637	340±60	510 (436,350,334) 290 1440(1514,1600,1616)1660	BE	outer rings of a transported log, maximum age for ice expansion
BETA-47835	490±60	633 (525) 460 1317 (1426) 1490	BE	age on peat within maximum age for ice advance
BETA-47836	1030±70	1167 (953) 790 783 (997) 1160	NW	outer rings from a transported log in Sunlight Glacier valley, represents damming of this tributary by advancing ice in Northwestern Fjord
BETA-47837	380±60	530 (474) 300 1420 (1476) 1650	NW	outer rings from an in-situ tree beneath the terminal moraine, dates the arrival of ice to this position

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Laboratory no.	Uncalibrated age year B.P.	Calibrated interval year B.P.	Calibrated interval year A.D. (except where noted)	Glacier*	Source and Significance
BETA-47838	400±60	540 (500) 310	1410 (1450) 1640	GW	outer rings from a transported log in a diamict from the base of a lateral moraine, suggests ice advance at this time
BETA-60960	5170±80	5988(5940)5773	BC 4039(3991)3824	BE	peat below outwash, suggesting ice-free conditions at this time
VRI-1287	2350±60	2359(2349)2339	BC 410(400)390	BE	peat below deltaic sediments, suggesting ice-free conditions at this time
†UW-512	1510±95	1610 (1396)1280	340 (554) 670	MC	outer rings of transported log, maximum age for ice advance
†UW-513	3395±75	3839 (3674) 3469	BC 1890(1725)1520	MC	transported wood, maximum age for ice advance
†UW-514	1500±90	1570 (1389) 1280	380 (561) 670	MC	outer rings of a transported log, maximum age for ice advance
†UW-515	1635±100	1810 (1536) 1320	140 (414) 630	NW	transported wood, maximum age for ice advance

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Laboratory no.	Uncalibrated age year B.P.	Calibrated interval year B.P. year A.D.	Glacier*	Source and Significance
†UW-516	1385±55	1390 (1297) 1195	560 (653) 755	NW transported wood, maximum age for ice advance
§L-117	400±150	670 (490) 0	1280 (1460) 1955	TU wood in a moraine, maximum age for advance

*Glacier: AI = Aialik, BE = Bear, DG = Dinglestadt, EX = Exit, GW = Grewingk, HC = Halibut Creek, MC = McCarty, NW = Northwestern, TU = Tustumena, YG = Yalik Glacier.

†From Post (1980 a, b, c).

§From Karlstrom (1964).