

TABLE 1. SUMMARY OF TERRESTRIAL COSMOGENIC NUCLIDE (TCN) EXPOSURE AGES FROM BOULDERS IN OR NEAR THE BAHÍA SAN SEBASTIAN OR BAHÍA INÚTIL BOULDER TRAINS

	Nuclide	Sample ID	Elev. (m)	Age (ka)	Unc (ka)	Age (ka)	Unc (ka)
				$\epsilon = 0 \text{ mm/ka}$		$\epsilon = 1.7 \text{ mm/ka}$	
<u>TCN ages of Bahía Inútil Boulder Train</u>							
Terminal or recessional above shorelines*	<sup>10</sup> Be	BI-B1	80	26.0	4.4	27.0	4.7
	<sup>10</sup> Be	BI-B2	75	24.3	4.0	25.1	4.3
	<sup>10</sup> Be	BI-B3	85	22.4	3.3	23.1	3.5
	<sup>10</sup> Be	BI-B4	80	24.8	4.3	25.7	4.6
		Mean/SE		24.4	0.9	25.2	0.9
Terminal or recessional above shorelines†	<sup>10</sup> Be	TF-04-04	90	21.8	3.4	22.5	3.6
	<sup>10</sup> Be	TF-04-04	90	18.2	2.1	18.7	2.3
	<sup>10</sup> Be	TF-04-05	90	21.4	4.2	22.1	4.3
	<sup>10</sup> Be	TF-04-06	101	20.1	3.1	20.7	3.2
		Mean/SE		20.4	0.9	21.0	1.0
Terminal above shorelines (distal- proximal)	<sup>10</sup> Be	CBI-T51-99-15	160	21.0	2.5	21.6	2.7
	<sup>10</sup> Be	CBI-T51-99-16	160	22.7	2.6	23.5	2.8
	<sup>10</sup> Be	CBI-T51-99-17	160	26.0	2.8	26.9	3.1
	<sup>10</sup> Be	CBI-T51-99-18	160	66.0	7.2	72.8	8.9
	<sup>10</sup> Be	CBI-T51-99-13	145	21.2	2.6	21.8	2.8
	<sup>10</sup> Be	CBI-T51-99-14	145	23.7	2.9	24.5	3.1
	<sup>10</sup> Be	CBI-T51-99-20	140	17.8	2.1	18.3	2.2
	<sup>10</sup> Be	CBI-T51-99-19	135	23.1	2.6	23.8	2.8
	<sup>10</sup> Be	CBI-T51-99-21	135	22.3	2.7	23.0	2.9
		Mean/SE		22.2	0.9	22.9	0.9
Recessional below shoreline	<sup>10</sup> Be	CBI-T52-99-10	65	8.3	1.0	8.4	1.0
	<sup>10</sup> Be	CBI-T52-99-11	65	9.4	1.1	9.5	1.2
	<sup>10</sup> Be	CBI-T52-99-12	65	8.9	1.1	9.1	1.2
	<sup>10</sup> Be	CBI-T54-99-08	60	14.1	1.7	14.3	1.7
		Mean/SE		8.9	0.4	9.0	0.4
<u>TCN ages for Bahía San Sebastian Boulder Train</u>							
Southeast of Bahía San Sebastian†	<sup>10</sup> Be	RC-04-01	16	21.9	6.6	22.6	7.0
	<sup>10</sup> Be	RC-04-02	22	27.1	4.2	28.2	4.6
	<sup>10</sup> Be	RC-04-03	21	20.0	3.4	20.6	3.6
	<sup>10</sup> Be	RC-04-04	23	27.3	9.0	28.4	9.7
	<sup>10</sup> Be	RC-04-05	17	26.9	6.8	27.9	7.4
	<sup>10</sup> Be	RC-04-06	12	13.5	1.6	13.8	1.7
	<sup>10</sup> Be	RC-04-07	21	51.4	12.3	55.5	14.4
		Mean/SE		22.8	1.2	23.6	1.3
	<sup>36</sup> Cl	ARG-00-Tdf-039	34	18.7	9.0		
	<sup>36</sup> Cl	ARG-00-Tdf-043	34	27.1	9.0		
		Mean/SE		22.9	5.9		
<u>TCN ages for the penultimate drift</u>							
	<sup>10</sup> Be	CRG-T3 <sub>1</sub> -99-22		74.0	8.1	82.7	10.3
	<sup>10</sup> Be	CRG-T3 <sub>1</sub> -99-24		74.4	8.2	83.2	10.3
	<sup>36</sup> Cl	CRG-T3 <sub>2</sub> -99-23		55.2	2.7		
	<sup>36</sup> Cl	CRG-T4 <sub>1</sub> -99-25		40.8	1.6		
	<sup>36</sup> Cl	CRG-T4 <sub>1</sub> -99-26		38.1	1.8		

Note: See GSA supplemental data item 2009287 for AMS and chemical data, age calculation method, and TCN data interpretation. Erosion rates are as suggested by McCulloch et al. (2005), but measurement of <sup>10</sup>Be in quartz and <sup>36</sup>Cl in biotite from a single granite boulder (CBI-T51-99-16) requires much less erosion to resolve age disparity (see Table DR2A). Unc—uncertainty.

\*McCulloch et al., 2005a. †Kaplan et al., 2007.