

Pre-1900 Non-Religious Estimates of the Age of the Earth

Basis	Author	Time of estimate	Age of Earth (years)
Decline of sea level	Benoit de Maillet	1748	$>2,000 \times 10^6$
Cooling of Earth	Comte de Buffon	1774	0.075×10^6
Cooling of Sun	H. L. F. von Helmholtz	1856	22×10^6
Sediment accumulation	J. Phillips	1860	$38\text{--}96 \times 10^6$
Cooling of Earth	Lord Kelvin	1862	$20\text{--}400 [98] \times 10^6$
Cooling of Sun	Lord Kelvin	1862	$10\text{--}500 \times 10^6$
Cooling of Earth	S. Haughton	1865	$>1,280 \times 10^6$
Sediment accumulation	A. Geikie	1868	100×10^6
Cooling of Earth	P. G. Tait	1869	$10\text{--}15 \times 10^6$
Sediment accumulation	T. H. Huxley	1869	100×10^6
Cooling of Earth	Lord Kelvin	1871	$<100 \times 10^6$
Earth tidal effects	Lord Kelvin	1871	$<1,000 \times 10^6$
Sediment accumulation	S. Haughton	1871	$1,526 \times 10^6$
Cooling of Sun	P. G. Tait	1876	$<20 \times 10^6$
Earth tidal effects	P. G. Tait	1876	$<10 \times 10^6$
Ocean Sulfate accumulation	T. M. Reade	1876	25×10^6
Ocean Chloride accumulation	T. M. Reade	1876	200×10^6
Sediment accumulation	T. M. Reade	1876	$53\text{--}526 \times 10^6$
Sediment accumulation	S. Haughton	1878	$>200 \times 10$
Limestone accumulation	E. Dubois	?	$>1,000 \times 10^6$
Earth—Moon tidal retardation	G. Darwin	1879	$>54 \times 10^6$
Limestone accumulation	T. M. Reade	1879	600×10^6
Sediment accumulation	A. Winchell	1883	3×10^6
Sediment accumulation	J. Croll	1889	72×10^6
Sediment accumulation	M. A. deLapparent	1890	$67\text{--}90 \times 10^6$
Cooling of Sun	S. Newcomb	1892	18×10^6
Sediment accumulation	H. H. Hutchinson	1892	600×10^6
Sediment accumulation	A. Geikie	1892	$73\text{--}680 \times 10^6$
Sediment accumulation	W. J. McGee	1892	$15,000 \times 10^6$
Sediment accumulation	A. R. Wallace	1892	28×10^6
Cooling of Earth	C. King	1893	24×10^6
Sediment accumulation	C. D. Walcott	1893	$35\text{--}80 [55] \times 10^6$
Sediment accumulation	T. M. Reade	1893	95×10^6
Sediment accumulation	T. M. Reade	1893	$100\text{--}600 \times 10^6$
Sediment accumulation	W. J. McGee	1893	$10\text{--}5,000,000 [6,000] \times 10^6$
Sediment accumulation	W. J. McGee	1893	$1,584 \times 10^6$
Sediment accumulation	W. Upham	1893	$<100 \times 10^6$
Sediment accumulation	W. J. Sollas	1895	17×10^6
Cooling of Earth	Lord Kelvin	1897	$20\text{--}40 \times 10^6$
Earth tidal effects	Lord Kelvin	1897	$<1,000 \times 10^6$
Sediment accumulation	J. J. Sederholm	1897	$35\text{--}40 \times 10^6$
Sediment accumulation	J. G. Goodchild	1897	$1,408 \times 10^6$
Earth—Moon tidal retardation	G. Darwin	1898	$>56 \times 10^6$

Cooling of Sun	A. Ritter	1899	4.4—5.8 x 10 ⁶
Ocean Sodium accumulation	J. Joly	1899	80—90 [89] x 10 ⁶
Sediment accumulation	A. Geikie	1899	100 x 10 ⁶
Sediment accumulation	W. J. Sollas	1900	26.5 x 10 ⁶
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Sediment accumulation	A. Geikie	1899	100×10^6

From “The Age of the Earth”, G. Brent Dalrymple, Stanford University Press, 1991, Table 2.1,
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