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Historically, NZ has 7 primary height datums and 9 secondary datums. Not all were suitable for this analysis.											
Primary Datums Auckland (1946) Wellington (1953) Lytteiton (1957) Dunedin (1958) Bluff (1955) One Tree Point (19 Moturiki (1953) Secondary Datum Tararu (1952) Napier (1962) New Plymouth (19 Gisborne (1926) Nelson (1955) Picton Westport	Definition 7 yr data: 1909, 17-19, 21-23 14 yr data between 1906-46 9 yr data: 1917, 18, 23-27, 30, 33 9 yr data: 1918, 23-27, 29, 35, 37 8 yr data between 1918-1934 64) ** 4 yr 1960-63 4 yr data 7/2/49-15/12/52 S 170) 4 yr data 1918-1921 3.5 yr data: 12/6/1939–12/10/42	Latitude [dog]	-34 -38- -40- -42- -44- -48- 165	167	e 25 Buff 19	New Pl	Nelson Lyttel	What Welling ton	sgarei Auckland Moturi Tom	ki 2	[mm/year] 0.45 0.4 0.35 -0.3 -0.3 -0.2 0.15 0.1 0.05 0
Greymouth Timaru	3 yr data between 1935-37					Longitu	ide [deg]				
30 May 2012											4









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Results									
Port	Inferred Linear Sea Level Rise (mm/yr) This analysis	Linear sea level rise (all TG data) Best Estimate	Comment						
Auckland	1.7 ±0.14	1.5 ± 0.1							
Wellington	2.2 ±0.13	$2.0 \pm 0.2$	GPS data suggests regional subsidence since 2000.						
Lyttelton	2.0 ±0.15	1.9 ± 0.1							
Dunedin	1.3 ±0.15	1.3 ± 0.1							
Whangarei	2.2 ±0.6		Weakest data set. Trend under- estimated. Note +0.02 m anomaly						
Moturiki	1.9 ±0.2		Trend over-estimated by ~ 0.2 due to sea level anomaly.						
New Plymth.	1.5 ±0.2	1.7 ± 0.3							
Nelson	1.3 ±0.25								
Timaru	1.7 ±0.25								
Bluff	1.8 ±0.15								
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