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Long-term sea level variability and coastal flooding

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Fremantle Water Level



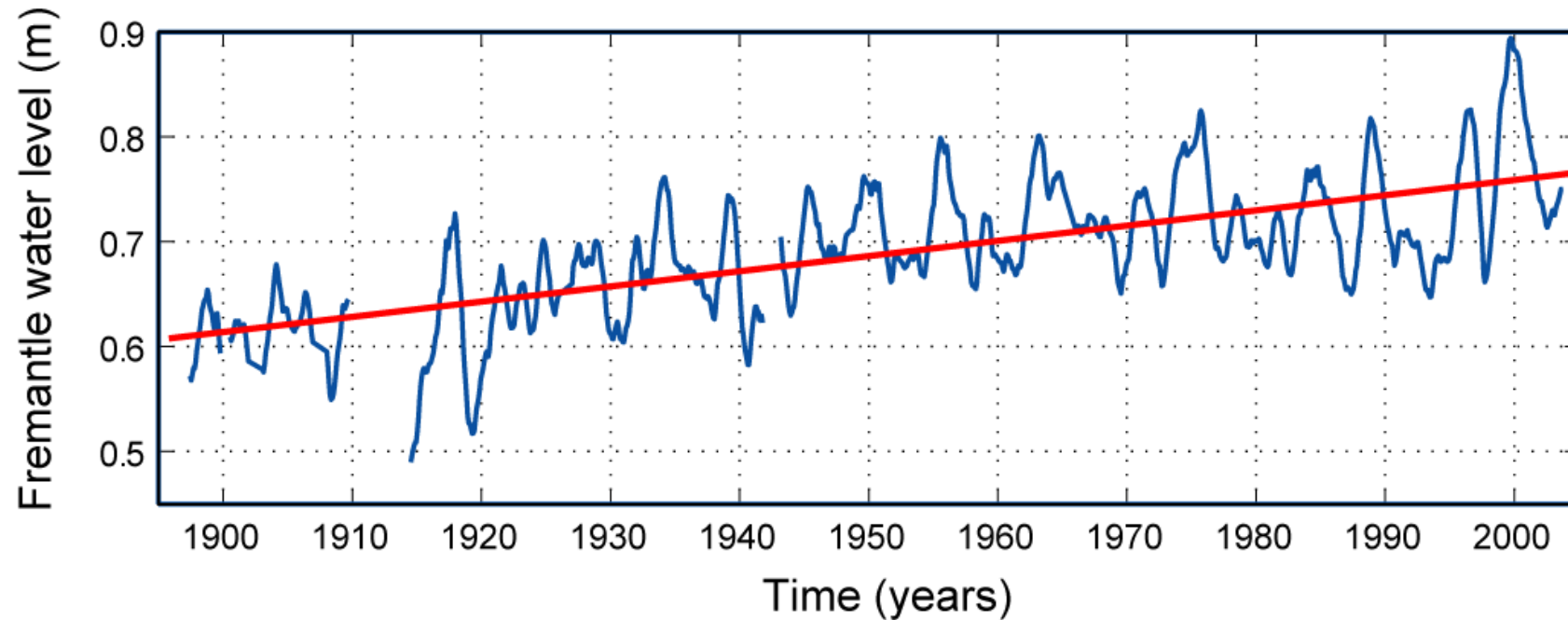
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Mean Level increase (1.5 mm/yr)	1.5 cm per decade
Inter-Annual (El Nina La Nina)	~ 20 cm
Annual	~ 20 cm
Semi-annual	~ 10 cm
Monthly	~ < 5 cm
Fortnightly	~ < 5 cm
5-10 days	~ 60 cm
Diurnal	60 cm
Semi-diurnal	20 cm
~ hours	~ 20 cm

Fremantle Sea Level: 1897-2004



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Mean rate of increase: 1.54 mm/year

1961-2003 Mean global rate: 1.88 mm/year (1.3-2.3)

(IPCC R4)