

Calculate how much would the world's ocean would rise if all the ice in the Antarctica melted:

From WikipediA there is 6,360,000 Approximate Cubic miles of Ice in the Antarctica

Density of Ice at 0 degrees C 0.9160 g/cubic cm.

Density of Water at 0 degrees C 0.9998 g/cubic cm.

Contraction when ice changes to water: $0.9160/0.9998 = 0.9162$

Numbers Used:

Convert Square Km to Square miles multiply by 0.386100

Convert miles to feet multiply by 5280

Contraction when ice changes to water, multiply by: 0.9162 Calculated above

World's Ocean Area Square Km. 335,258,000

World's Ocean's Area Square Km 335,258,000	Convert Sq Km meters to Sq. miles X 0.386100	=	World's Ocean's Area Square Miles 129,443,114
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Cubic Miles of ice 6,360,000	X	Convert Ice to water 0.9162	/	Ocean's Area Square Miles 129,443,114	=	Miles thick of water 0.045015	X	Convert miles to feet 5280	=	Approximate rise of World's Ocean in feet: 238
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So, if all the ice in the Antarctica melted, the oceans
will rise by approximately: **238** feet.

Here are my sources of information from the web:

[http://wiki.answers.com/Q/How_much_of_Antarctica_is_covered](http://wiki.answers.com/Q/How_much_of_Antarctica_is_covered_in_ice&altQ=What_percent_opf_ice_covers_antarctica)

[_in_ice&altQ=What_percent_opf_ice_covers_antarctica](http://wiki.answers.com/Q/How_much_of_Antarctica_is_covered_in_ice&altQ=What_percent_opf_ice_covers_antarctica)

<http://hypertextbook.com/facts/2000/EmmanuelleStJean.shtml>

www.worldatlas.com/aatlas/infopage/oceans.htm

[www.physics.utoronto.ca/research/planetary/geophysics/events](http://www.physics.utoronto.ca/research/planetary/geophysics/events/thickness-of-greenland-s-crust-and-the-sea-ice-around-it/view)

[/thickness-of-greenland-s-crust-and-the-sea-ice-around-it/view](http://www.physics.utoronto.ca/research/planetary/geophysics/events/thickness-of-greenland-s-crust-and-the-sea-ice-around-it/view)

www.worldatlas.com/aatlas/infopage/oceans.htm

<http://en.wikipedia.org/wiki/Ice>

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