



Roof Area Estimates created using CIB Natural Areas Atlas Viewer Area Measurement Tool overlaid on 2007 CIB Natural Areas Atlas Ortho photograph.

Total Square footage, 480 Senanus Drive, data from TafeMeasure drawings

2903 main house
287 garden house
191 green house
869 guest house
130 shed
1029 workshop
1040 garage 1
551 garage 2
1731 deck
506 deck

9237 TOTAL sq feet

858.1453805 total square metres

Precipitation data in mm from Environment Canada Climate Normals table 1971-2000
for Saanichton Mt Newton

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	
	148.8	105.5	77.7	54.6	42.7	36	20.7	24.4	28.6	82.6	166.7	150.7

Total, per year

939 mm

0.93900 metres

Projected total collected volume of rainwater per year

572.47 sq m X 0.07825 m

805.7985123 cubic metres

805798.5123 litres

212869.4046 gallons

From Environment Canada, http://www.ec.gc.ca/water/en/info/pubs/fs/e_FSA4.htm

In 2004, the average Canadian daily domestic use of fresh water was 329 litres per person. At least half of this amount is unnecessary and wasteful. Common causes of waste at home are leaking faucets, faulty plumbing, and over-use of water for watering the lawn and washing the car. Much of this waste would be reduced if we had to pay a fair price for water. As our usage becomes more efficient, we would not only produce less wastewater, we could also afford better treatment for it. In fact, wastewater usually becomes easier to treat if it is less diluted at the treatment plant, as there is less water to be removed from the sludge. The result would be multiple savings and a better environment.

Therefore, the rainwater collected is enough to supply

44795.66 litres / (329 litres/person) / 365 days

6.705641614 people with water for a year

Projected Rainwater Potential for Senanus Drive Addresses
based on available roof area measured from CRD GIS data

<u>No.</u>	<u>Address</u>	<u>Roof Area*</u>	
480	SEANUS DR SAANICHTON BC	858.14	**In 2004, the average Canadian daily domestic use of fresh water was 329 litres per person. At least half of this amount is unnecessary and wasteful. Common causes of waste at home are leaking faucets, faulty plumbing, and over-use of water for watering the lawn and washing the car. Much of this waste would be reduced if we had to pay a fair price for water. As our usage becomes more efficient, we would not only produce less wastewater, we could also afford better treatment for it. In fact, wastewater usually becomes easier to treat if it is less diluted at the treatment plant, as there is less water to be removed from the sludge. The result would be multiple savings and a better environment.
500	SEANUS DR SAANICHTON BC	394.1	
		194	
		55	
507	SEANUS DR SAANICHTON BC data not yet available for the additional new structure currently under construction at this site.	250.9	
508	SEANUS DR SAANICHTON BC	245.5	
		104.3	
515	SEANUS DR SAANICHTON BC	241.7	
523	SEANUS DR SAANICHTON BC	286.7	
535	SEANUS DR SAANICHTON BC	282	
536	SEANUS DR SAANICHTON BC	351.5	
540	SEANUS DR SAANICHTON BC	268.7	
543	SEANUS DR SAANICHTON BC	380	
		232.8	
553	SEANUS DR SAANICHTON BC address not shown on CRD GIS		
559	SEANUS DR SAANICHTON BC	180	
568	SEANUS DR SAANICHTON BC	497.3	
		84.7	
		1174.6	
		61	
		140.56	
601	SEANUS DR SAANICHTON BC	86	
		35.3	
		148.4	
		411.7	
605	SEANUS DR SAANICHTON BC address not shown on CRD GIS		
614	SEANUS DR SAANICHTON BC	689.2	
617	SEANUS DR SAANICHTON BC	645.1	
		84.7	
629	SEANUS DR SAANICHTON BC	541.9	
630	SEANUS DR SAANICHTON BC	388	
		78.7	
643	SEANUS DR SAANICHTON BC	398	
		103	
651	SEANUS DR SAANICHTON BC	90.6	
675	SEANUS DR SAANICHTON BC	223.9	
		108.3	

TOTAL 10316.3 M2 (Square Metres*)

*Roof Area Measurements 9687.0057 cubic metres of water

from area measure tool: 9687005.7 litres

CRD GIS Data 2559035.7 gallons

Rainwater collected would supply 80.667908 people for one year at the rate of 329 litres per person per day

This would serve 3.8413289 people at each* of the 21 Senanus Addresses

[This represents *new* water, in addition to existing groundwater. Additional new sources for water are also available from use and re-use initiatives described in BC's Living Water Smart Policy document. http://www.livingwatersmart.ca/](http://www.livingwatersmart.ca/)

[**From Environment Canada, http://www.ec.gc.ca/water/en/info/pubs/fs/e_FSA4.htm](http://www.ec.gc.ca/water/en/info/pubs/fs/e_FSA4.htm)