Calculation of annual water extraction from Char Lake

	Year	2020	2030	2040	2047
Population	Persons	290	318	346	365
Community Per Capita Consumption	L/capita/day	225	232	239	243.9
Community Consumption	L/day	65,250	73,724	82,843	89,000
Airport Consumption (based on approx 140L/c/d)	L/day	38,100	43,248	48,396	52,000
Total Consumption	L/day	103,350	116,973	131,239	141,000
Total Consumption (based on max day factor 2.75)	L/day	284,213	321,675	360,907	387,750
Total Consumption (based on max day factor 2.75)	L/s	3.3	3.7	4.2	4.5
Bleedwater	L/day	155,520	193,920	232,320	259,200
Bleedwater as % of total water extracted	%	35%	38%	39%	40%
Community Wide Demand	L/day	439,733	515,595	593,227	646,950
Community Wide Demand	m^3/day	440	516	593	647
Community Wide Demand	L/s	5.1	6.0	6.9	7.5
Annual Consumption	Liters	160,502,363	188,192,040	216,527,835	236,136,750
Annual Consumption	**m^3**	**160,502**	**188,192**	**216,528**	**236,137**