

Sheet 1

growth v. cons. Ratio 265

HAMLET OF IGLOOLIK
PROJECTED DESIGN LIFE OF RESERVOIR
WITH PROPOSED INCREMENTAL EXPANSION

285 day Str.
Frage up till then
then recharge.

YEAR	GROWTH RATE (%)	EXISTING POPULATION GROWTH	POPULATION GROWTH WITH NUNAVUT	PER CAPITA CONSUMPTION RATE (L/S)	CALCULATED OVER WINTER STORAGE (CUBIC METRES)	RECORDED OVER WINTER STORAGE (CUBIC METRES)	PERCENTAGE OF CALCULATED STORAGE	ACTUAL OVER WINTER STORAGE (CUBIC METRES)
1996		1218	1218	115.2	39,994	23,400	58.51%	23,400
1997	2.81%	1252	1252	115.9	41,361		58.51%	24,200
1998	2.81%	1287	1287	116.6	42,783		58.51%	25,032
1999	2.81%	1324	1303	121.1	51,861		58.51%	30,344
2000	2.81%	1361	1345	122.0	53,703		58.51%	31,421
2001	2.81%	1399	1388	122.9	55,619		58.51%	32,542
2002	2.86%	1436	1436	123.8	57,505		58.51%	33,646
2003	2.86%	1474	1474	124.6	59,463		58.51%	34,791
2004	2.86%	1514	1514	125.6	61,496		58.51%	35,981
2005	2.86%	1554	1554	126.5	63,607		58.51%	37,216
2006	2.86%	1595	1611	127.5	65,801		58.51%	38,499
2007	2.53%	1636	1657	128.4	67,967		58.51%	39,767
2008	2.53%	1677	1694	129.4	70,215		58.51%	41,082
2009	2.53%	1719	1952	130.4	72,546		58.51%	42,446
2010	2.53%	1763	2001	131.0	74,707		58.51%	43,711
2011	2.53%	1808	2052	131.7	77,022		58.51%	45,065
2012	2.50%	1853	2103	132.4	79,378		58.51%	46,443
2013	2.50%	1899	2156	133.1	81,804		58.51%	47,863
2014	2.50%	1947	2210	133.9	84,301		58.51%	48,324
2015	2.50%	1995	2265	134.6	86,872		58.51%	50,828
2016	2.50%	2045	2322	135.3	89,518		58.51%	52,376
2017	2.50%	2096	2380	136.0	92,243		58.51%	53,971
2018	2.50%	2149	2439	136.7	95,048		58.51%	55,612

Based in Historic Water data (1946)
would be for given under 16,000m. Storage
would upon given 1000m 70 year storage