Total Duck Population (dil = 1E+06)

manual.calc.pop.total	model.pop.total	dil
13.635	12	−119912

Total Duck Population by month (dil = 1E+06)

Month	manual.calc.pop.total	model.pop.total	dil
Jan	2.2500	2	−111111
Feb	0.0225	0	−1000000
Mar	0.0225	0	−1000000
Apr	0.0225	0	−1000000
May	2.2500	2	−111111
Jun	2.2500	2	−111111
Jul	2.2500	2	−111111
Aug	0.0225	0	−1000000
Sep	0.0225	0	−1000000
Oct	0.0225	0	−1000000
Nov	2.2500	2	−111111
Dec	2.2500	2	−111111

Total Duck Population in/around stream (dil = 1E+06)

manual.calc.pop.total	model.pop.total	dil
13.634986365	12	−119911

Total Duck Population in/around stream by month (dil = 1E+06)

Month	manual.calc.pop.total	model.pop.total	dil
Jan	2.24999775	2	−111110
Feb	0.02249998	0	−1000000
Mar	0.02249998	0	−1000000
Apr	0.02249998	0	−1000000
May	2.24999775	2	−111110
Jun	2.24999775	2	−111110
Jul	2.24999775	2	−111110
Aug	0.02249998	0	−1000000
Sep	0.02249998	0	−1000000
Oct	0.02249998	0	−1000000
Nov	2.24999775	2	−111110
Dec	2.24999775	2	−111110

Total Duck Population on pasture (dil = 1E+06)

manual.calc.pop.total	model.pop.total	dil
6.06000000017218e−06	0	−1e+06

Total Duck Population on pasture by month (dil = 1E+06)

Month	manual.calc.pop.total	model.pop.total	dil
Jan	1e−06	0	−1e+06
Feb	1e−08	0	−1e+06
Mar	1e−08	0	−1e+06
Apr	1e−08	0	−1e+06
May	1e−06	0	−1e+06
Jun	1e−06	0	−1e+06
Jul	1e−06	0	−1e+06
Aug	1e−08	0	−1e+06
Sep	1e−08	0	−1e+06
Oct	1e−08	0	−1e+06
Nov	1e−06	0	−1e+06
Dec	1e−06	0	−1e+06

Total Duck Population in forest (dil = 1E+06)

manual.calc.pop.total	model.pop.total	dil
4.54500000063134e−06	0	−1e+06

Total Duck Population in forest by month (dil = 1E+06)

Month	manual.calc.pop.total	model.pop.total	dil
Jan	7.5e−07	0	−1e+06
Feb	7.5e−09	0	−1e+06
Mar	7.5e−09	0	−1e+06
Apr	7.5e−09	0	−1e+06
May	7.5e−07	0	−1e+06
Jun	7.5e−07	0	−1e+06
Jul	7.5e−07	0	−1e+06
Aug	7.5e−09	0	−1e+06
Sep	7.5e−09	0	−1e+06
Oct	7.5e−09	0	−1e+06
Nov	7.5e−07	0	−1e+06
Dec	7.5e−07	0	−1e+06

Total Duck Population on RAOCUT (dil = 1E+06)

manual.calc.pop.total	model.pop.total	dil
3.03000000008609e−06	0	−1e+06

Total Duck Population on RAOCUT by month (dil = 1E+06)

Month	manual.calc.pop.total	model.pop.total	dil
Jan	5e−07	0	−1e+06
Feb	5e−09	0	−1e+06
Mar	5e−09	0	−1e+06
Apr	5e−09	0	−1e+06
May	5e−07	0	−1e+06
Jun	5e−07	0	−1e+06
Jul	5e−07	0	−1e+06
Aug	5e−09	0	−1e+06
Sep	5e−09	0	−1e+06
Oct	5e−09	0	−1e+06
Nov	5e−07	0	−1e+06
Dec	5e−07	0	−1e+06

Total bacteria load from Duck (dil = 1E+06)

manual.calc.bac.total	model.bac.total	dil
1.0908e+10	400000015	−963330

Total bacteria load from Duck by month (dil = 1E+06)

Month	manual.calc.bac.total	model.bac.total	dil
Jan	1.8e+09	66666669	−962963
Feb	1.8e+07	0	−1000000
Mar	1.8e+07	0	−1000000
Apr	1.8e+07	0	−1000000
May	1.8e+09	66666669	−962963
Jun	1.8e+09	66666669	−962963
Jul	1.8e+09	66666669	−962963
Aug	1.8e+07	0	−1000000
Sep	1.8e+07	0	−1000000
Oct	1.8e+07	0	−1000000
Nov	1.8e+09	66666669	−962963
Dec	1.8e+09	66666669	−962963

Total bacteria load from Duck in/around stream (dil = 1E+06)

manual.calc.bac.total	model.bac.total	dil
10907989092	9600000360	−119911

Total bacteria load from Duck in/around stream by month (dil = 1E+06)

Month	manual.calc.bac.total	model.bac.total	dil
Jan	1799998200	1.6e+09	−111110
Feb	17999982	0.0e+00	−1000000
Mar	17999982	0.0e+00	−1000000
Apr	17999982	0.0e+00	−1000000
May	1799998200	1.6e+09	−111110
Jun	1799998200	1.6e+09	−111110
Jul	1799998200	1.6e+09	−111110
Aug	17999982	0.0e+00	−1000000
Sep	17999982	0.0e+00	−1000000
Oct	17999982	0.0e+00	−1000000
Nov	1799998200	1.6e+09	−111110
Dec	1799998200	1.6e+09	−111110

Total bacteria load from Duck on pasture (dil = 1E+06)

manual.calc.bac.total	model.bac.total	dil
4848.00000013774	0	−1e+06

Total bacteria laod from Duck on pasture by month (dil = 1E+06)

Month	manual.calc.bac.total	model.bac.total	dil
Jan	800	0	−1e+06
Feb	8	0	−1e+06
Mar	8	0	−1e+06
Apr	8	0	−1e+06
May	800	0	−1e+06
Jun	800	0	−1e+06
Jul	800	0	−1e+06
Aug	8	0	−1e+06
Sep	8	0	−1e+06
Oct	8	0	−1e+06
Nov	800	0	−1e+06
Dec	800	0	−1e+06

Total bacteria load from Duck in forest (dil = 1E+06)

manual.calc.bac.total	model.bac.total	dil
3636.00000050507	0	−1e+06

Total bacteria load from Duck in forest by month (dil = 1E+06)

Month	manual.calc.bac.total	model.bac.total	dil
Jan	600	0	−1e+06
Feb	6	0	−1e+06
Mar	6	0	−1e+06
Apr	6	0	−1e+06
May	600	0	−1e+06
Jun	600	0	−1e+06
Jul	600	0	−1e+06
Aug	6	0	−1e+06
Sep	6	0	−1e+06
Oct	6	0	−1e+06
Nov	600	0	−1e+06
Dec	600	0	−1e+06

Total bacteria load from Duck on RAOCUT (dil = 1E+06)

manual.calc.pop.total	model.pop.total	dil
3.03000000008609e−06	0	−1e+06

Accum load from Duck on Pasture by month (dil = 1E+06)

Month	manual.calc.bac.total	model.bac.total	dil
Jan	20.0	0	−1e+06
Feb	0.2	0	−1e+06
Mar	0.2	0	−1e+06
Apr	0.2	0	−1e+06
May	20.0	0	−1e+06
Jun	20.0	0	−1e+06
Jul	20.0	0	−1e+06
Aug	0.2	0	−1e+06
Sep	0.2	0	−1e+06
Oct	0.2	0	−1e+06
Nov	20.0	0	−1e+06
Dec	20.0	0	−1e+06

Accum load from Duck in Forest by month (dil = 1E+06)

Month	manual.calc.bac.total	model.bac.total	dil
Jan	20.0	0	−1e+06
Feb	0.2	0	−1e+06
Mar	0.2	0	−1e+06
Apr	0.2	0	−1e+06
May	20.0	0	−1e+06
Jun	20.0	0	−1e+06
Jul	20.0	0	−1e+06
Aug	0.2	0	−1e+06
Sep	0.2	0	−1e+06
Oct	0.2	0	−1e+06
Nov	20.0	0	−1e+06
Dec	20.0	0	−1e+06

Accum load from Duck on RAOCUT by month (dil = 1E+06)

Month	manual.calc.bac.total	model.bac.total	dil
Jan	20.0	0	−1e+06
Feb	0.2	0	−1e+06
Mar	0.2	0	−1e+06
Apr	0.2	0	−1e+06
May	20.0	0	−1e+06
Jun	20.0	0	−1e+06
Jul	20.0	0	−1e+06
Aug	0.2	0	−1e+06
Sep	0.2	0	−1e+06
Oct	0.2	0	−1e+06
Nov	20.0	0	−1e+06
Dec	20.0	0	−1e+06