

## Total Duck Population (dil = 1E+06)

manual.calc.pop.total	model.pop.total	dil
1.113525	1.113525	0

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

Month	manual.calc.pop.total	model.pop.total	dil
Jan	0.1837500	0.1837500	0
Feb	0.0018375	0.0018375	0
Mar	0.0018375	0.0018375	0
Apr	0.0018375	0.0018375	0
May	0.1837500	0.1837500	0
Jun	0.1837500	0.1837500	0
Jul	0.1837500	0.1837500	0
Aug	0.0018375	0.0018375	0
Sep	0.0018375	0.0018375	0
Oct	0.0018375	0.0018375	0
Nov	0.1837500	0.1837500	0
Dec	0.1837500	0.1837500	0

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

manual.calc.pop.total	model.pop.total	dil
1.113523886475	1.113523886475	0

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

Month	manual.calc.pop.total	model.pop.total	dil
Jan	0.183749816	0.183749816	0
Feb	0.001837498	0.001837498	0
Mar	0.001837498	0.001837498	0
Apr	0.001837498	0.001837498	0
May	0.183749816	0.183749816	0
Jun	0.183749816	0.183749816	0
Jul	0.183749816	0.183749816	0
Aug	0.001837498	0.001837498	0
Sep	0.001837498	0.001837498	0
Oct	0.001837498	0.001837498	0
Nov	0.183749816	0.183749816	0
Dec	0.183749816	0.183749816	0

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

manual.calc.pop.total	model.pop.total	dil
3.71175000015008e-07	3.71175000010673e-07	0

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

Month	manual.calc.pop.total	model.pop.total	dil
Jan	6.125e-08	6.125e-08	0
Feb	6.125e-10	6.125e-10	0
Mar	6.125e-10	6.125e-10	0
Apr	6.125e-10	6.125e-10	0
May	6.125e-08	6.125e-08	0
Jun	6.125e-08	6.125e-08	0
Jul	6.125e-08	6.125e-08	0
Aug	6.125e-10	6.125e-10	0
Sep	6.125e-10	6.125e-10	0
Oct	6.125e-10	6.125e-10	0
Nov	6.125e-08	6.125e-08	0
Dec	6.125e-08	6.125e-08	0

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

manual.calc.pop.total	model.pop.total	dil
3.71175000015008e-07	3.71175000010673e-07	0

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

Month	manual.calc.pop.total	model.pop.total	dil
Jan	6.125e-08	6.125e-08	0
Feb	6.125e-10	6.125e-10	0
Mar	6.125e-10	6.125e-10	0
Apr	6.125e-10	6.125e-10	0
May	6.125e-08	6.125e-08	0
Jun	6.125e-08	6.125e-08	0
Jul	6.125e-08	6.125e-08	0
Aug	6.125e-10	6.125e-10	0
Sep	6.125e-10	6.125e-10	0
Oct	6.125e-10	6.125e-10	0
Nov	6.125e-08	6.125e-08	0
Dec	6.125e-08	6.125e-08	0



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

manual.calc.pop.total	model.pop.total	dil
3.71175000015008e-07	3.71175000010673e-07	0

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

Month	manual.calc.pop.total	model.pop.total	dil
Jan	6.125e-08	6.125e-08	0
Feb	6.125e-10	6.125e-10	0
Mar	6.125e-10	6.125e-10	0
Apr	6.125e-10	6.125e-10	0
May	6.125e-08	6.125e-08	0
Jun	6.125e-08	6.125e-08	0
Jul	6.125e-08	6.125e-08	0
Aug	6.125e-10	6.125e-10	0
Sep	6.125e-10	6.125e-10	0
Oct	6.125e-10	6.125e-10	0
Nov	6.125e-08	6.125e-08	0
Dec	6.125e-08	6.125e-08	0

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

manual.calc.bac.total	model.bac.total	dil
890820000	890820033.40575	0

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

Month	manual.calc.bac.total	model.bac.total	dil
Jan	1.47e+08	1.47e+08	0
Feb	1.47e+06	1.47e+06	0
Mar	1.47e+06	1.47e+06	0
Apr	1.47e+06	1.47e+06	0
May	1.47e+08	1.47e+08	0
Jun	1.47e+08	1.47e+08	0
Jul	1.47e+08	1.47e+08	0
Aug	1.47e+06	1.47e+06	0
Sep	1.47e+06	1.47e+06	0
Oct	1.47e+06	1.47e+06	0
Nov	1.47e+08	1.47e+08	0
Dec	1.47e+08	1.47e+08	0

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

manual.calc.bac.total	model.bac.total	dil
890819109.18	890819142.585717	0

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

Month	manual.calc.bac.total	model.bac.total	dil
Jan	146999853	146999859	0
Feb	1469999	1469999	0
Mar	1469999	1469999	0
Apr	1469999	1469999	0
May	146999853	146999859	0
Jun	146999853	146999859	0
Jul	146999853	146999859	0
Aug	1469999	1469999	0
Sep	1469999	1469999	0
Oct	1469999	1469999	0
Nov	146999853	146999859	0
Dec	146999853	146999859	0

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

manual.calc.bac.total	model.bac.total	dil
296.940000012007	296.940011143789	0

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

Month	manual.calc.bac.total	model.bac.total	dil
Jan	49.00	49.00	0
Feb	0.49	0.49	0
Mar	0.49	0.49	0
Apr	0.49	0.49	0
May	49.00	49.00	0
Jun	49.00	49.00	0
Jul	49.00	49.00	0
Aug	0.49	0.49	0
Sep	0.49	0.49	0
Oct	0.49	0.49	0
Nov	49.00	49.00	0
Dec	49.00	49.00	0



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

manual.calc.bac.total	model.bac.total	dil
296.940000012007	296.940011143789	0

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

Month	manual.calc.bac.total	model.bac.total	dil
Jan	49.00	49.00	0
Feb	0.49	0.49	0
Mar	0.49	0.49	0
Apr	0.49	0.49	0
May	49.00	49.00	0
Jun	49.00	49.00	0
Jul	49.00	49.00	0
Aug	0.49	0.49	0
Sep	0.49	0.49	0
Oct	0.49	0.49	0
Nov	49.00	49.00	0
Dec	49.00	49.00	0

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

manual.calc.pop.total	model.pop.total	dil
3.71175000015008e-07	3.71175000010673e-07	0

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

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

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

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

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

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