

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

manual.calc.pop.total	model.pop.total	dil
7.501005999	7.501005999	0

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

Month	manual.calc.pop.total	model.pop.total	dil
Jan	1.2500010000	1.2500010000	0
Feb	0.0001666665	0.0001666665	0
Mar	0.0001666665	0.0001666665	0
Apr	0.0001666665	0.0001666665	0
May	1.2500010000	1.2500010000	0
Jun	1.2500010000	1.2500010000	0
Jul	1.2500010000	1.2500010000	0
Aug	0.0001666665	0.0001666665	0
Sep	0.0001666665	0.0001666665	0
Oct	0.0001666665	0.0001666665	0
Nov	1.2500010000	1.2500010000	0
Dec	1.2500010000	1.2500010000	0

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

manual.calc.pop.total	model.pop.total	dil
7.0321931240625	7.0321931240625	0

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

Month	manual.calc.pop.total	model.pop.total	dil
Jan	1.1718759375	1.1718759375	0
Feb	0.0001562498	0.0001562498	0
Mar	0.0001562498	0.0001562498	0
Apr	0.0001562498	0.0001562498	0
May	1.1718759375	1.1718759375	0
Jun	1.1718759375	1.1718759375	0
Jul	1.1718759375	1.1718759375	0
Aug	0.0001562498	0.0001562498	0
Sep	0.0001562498	0.0001562498	0
Oct	0.0001562498	0.0001562498	0
Nov	1.1718759375	1.1718759375	0
Dec	1.1718759375	1.1718759375	0

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

manual.calc.pop.total	model.pop.total	dil
0.20836127775	0.20836127775	0

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

Month	manual.calc.pop.total	model.pop.total	dil
Jan	3.472225e-02	3.472225e-02	0
Feb	4.629625e-06	4.629625e-06	0
Mar	4.629625e-06	4.629625e-06	0
Apr	4.629625e-06	4.629625e-06	0
May	3.472225e-02	3.472225e-02	0
Jun	3.472225e-02	3.472225e-02	0
Jul	3.472225e-02	3.472225e-02	0
Aug	4.629625e-06	4.629625e-06	0
Sep	4.629625e-06	4.629625e-06	0
Oct	4.629625e-06	4.629625e-06	0
Nov	3.472225e-02	3.472225e-02	0
Dec	3.472225e-02	3.472225e-02	0

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

manual.calc.pop.total	model.pop.total	dil
0.1562709583125	0.1562709583125	0

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

Month	manual.calc.pop.total	model.pop.total	dil
Jan	2.604169e-02	2.604169e-02	0
Feb	3.472219e-06	3.472219e-06	0
Mar	3.472219e-06	3.472219e-06	0
Apr	3.472219e-06	3.472219e-06	0
May	2.604169e-02	2.604169e-02	0
Jun	2.604169e-02	2.604169e-02	0
Jul	2.604169e-02	2.604169e-02	0
Aug	3.472219e-06	3.472219e-06	0
Sep	3.472219e-06	3.472219e-06	0
Oct	3.472219e-06	3.472219e-06	0
Nov	2.604169e-02	2.604169e-02	0
Dec	2.604169e-02	2.604169e-02	0



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

manual.calc.pop.total	model.pop.total	dil
0.104180638875	0.104180638875	0

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

Month	manual.calc.pop.total	model.pop.total	dil
Jan	1.736112e-02	1.736112e-02	0
Feb	2.314813e-06	2.314812e-06	0
Mar	2.314813e-06	2.314812e-06	0
Apr	2.314813e-06	2.314812e-06	0
May	1.736112e-02	1.736112e-02	0
Jun	1.736112e-02	1.736112e-02	0
Jul	1.736112e-02	1.736112e-02	0
Aug	2.314813e-06	2.314812e-06	0
Sep	2.314813e-06	2.314812e-06	0
Oct	2.314813e-06	2.314812e-06	0
Nov	1.736112e-02	1.736112e-02	0
Dec	1.736112e-02	1.736112e-02	0

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

manual.calc.bac.total	model.bac.total	dil
6000805024.23018	6000805024.23018	0

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

Month	manual.calc.bac.total	model.bac.total	dil
Jan	1000000837.5	1000000837.5	0
Feb	133333.2	133333.2	0
Mar	133333.2	133333.2	0
Apr	133333.2	133333.2	0
May	1000000837.5	1000000837.5	0
Jun	1000000837.5	1000000837.5	0
Jul	1000000837.5	1000000837.5	0
Aug	133333.2	133333.2	0
Sep	133333.2	133333.2	0
Oct	133333.2	133333.2	0
Nov	1000000837.5	1000000837.5	0
Dec	1000000837.5	1000000837.5	0

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

manual.calc.bac.total	model.bac.total	dil
5625754710.21579	5625754710.21579	0

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

Month	manual.calc.bac.total	model.bac.total	dil
Jan	937500785.2	937500785.2	0
Feb	124999.9	124999.9	0
Mar	124999.9	124999.9	0
Apr	124999.9	124999.9	0
May	937500785.2	937500785.2	0
Jun	937500785.2	937500785.2	0
Jul	937500785.2	937500785.2	0
Aug	124999.9	124999.9	0
Sep	124999.9	124999.9	0
Oct	124999.9	124999.9	0
Nov	937500785.2	937500785.2	0
Dec	937500785.2	937500785.2	0

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

manual.calc.bac.total	model.bac.total	dil
166689028.450838	166689028.450838	0

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

Month	manual.calc.bac.total	model.bac.total	dil
Jan	27777801.0	27777801.0	0
Feb	3703.7	3703.7	0
Mar	3703.7	3703.7	0
Apr	3703.7	3703.7	0
May	27777801.0	27777801.0	0
Jun	27777801.0	27777801.0	0
Jul	27777801.0	27777801.0	0
Aug	3703.7	3703.7	0
Sep	3703.7	3703.7	0
Oct	3703.7	3703.7	0
Nov	27777801.0	27777801.0	0
Dec	27777801.0	27777801.0	0



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

manual.calc.bac.total	model.bac.total	dil
125016771.338129	125016771.338129	0

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

Month	manual.calc.bac.total	model.bac.total	dil
Jan	20833350.781	20833350.781	0
Feb	2777.775	2777.775	0
Mar	2777.775	2777.775	0
Apr	2777.775	2777.775	0
May	20833350.781	20833350.781	0
Jun	20833350.781	20833350.781	0
Jul	20833350.781	20833350.781	0
Aug	2777.775	2777.775	0
Sep	2777.775	2777.775	0
Oct	2777.775	2777.775	0
Nov	20833350.781	20833350.781	0
Dec	20833350.781	20833350.781	0

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

manual.calc.pop.total	model.pop.total	dil
0.104180638875	0.104180638875	0

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

Month	manual.calc.bac.total	model.bac.total	dil
Jan	694445.0260	694445.0260	0
Feb	92.5925	92.5925	0
Mar	92.5925	92.5925	0
Apr	92.5925	92.5925	0
May	694445.0260	694445.0260	0
Jun	694445.0260	694445.0260	0
Jul	694445.0260	694445.0260	0
Aug	92.5925	92.5925	0
Sep	92.5925	92.5925	0
Oct	92.5925	92.5925	0
Nov	694445.0260	694445.0260	0
Dec	694445.0260	694445.0260	0

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

Month	manual.calc.bac.total	model.bac.total	dil
Jan	694445.0260	694445.0260	0
Feb	92.5925	92.5925	0
Mar	92.5925	92.5925	0
Apr	92.5925	92.5925	0
May	694445.0260	694445.0260	0
Jun	694445.0260	694445.0260	0
Jul	694445.0260	694445.0260	0
Aug	92.5925	92.5925	0
Sep	92.5925	92.5925	0
Oct	92.5925	92.5925	0
Nov	694445.0260	694445.0260	0
Dec	694445.0260	694445.0260	0

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

Month	manual.calc.bac.total	model.bac.total	dil
Jan	694445.0260	694445.0260	0
Feb	92.5925	92.5925	0
Mar	92.5925	92.5925	0
Apr	92.5925	92.5925	0
May	694445.0260	694445.0260	0
Jun	694445.0260	694445.0260	0
Jul	694445.0260	694445.0260	0
Aug	92.5925	92.5925	0
Sep	92.5925	92.5925	0
Oct	92.5925	92.5925	0
Nov	694445.0260	694445.0260	0
Dec	694445.0260	694445.0260	0