

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

manual.calc.pop.total	model.pop.total	dil
0.612582156585	0	-1e+06

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

Month	manual.calc.pop.total	model.pop.total	dil
Jan	0.1020834150	0	-1e+06
Feb	0.0000136111	0	-1e+06
Mar	0.0000136111	0	-1e+06
Apr	0.0000136111	0	-1e+06
May	0.1020834150	0	-1e+06
Jun	0.1020834150	0	-1e+06
Jul	0.1020834150	0	-1e+06
Aug	0.0000136111	0	-1e+06
Sep	0.0000136111	0	-1e+06
Oct	0.0000136111	0	-1e+06
Nov	0.1020834150	0	-1e+06
Dec	0.1020834150	0	-1e+06

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

manual.calc.pop.total	model.pop.total	dil
0.574295771798437	0	-1e+06

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

Month	manual.calc.pop.total	model.pop.total	dil
Jan	9.57032e-02	0	-1e+06
Feb	1.27604e-05	0	-1e+06
Mar	1.27604e-05	0	-1e+06
Apr	1.27604e-05	0	-1e+06
May	9.57032e-02	0	-1e+06
Jun	9.57032e-02	0	-1e+06
Jul	9.57032e-02	0	-1e+06
Aug	1.27604e-05	0	-1e+06
Sep	1.27604e-05	0	-1e+06
Oct	1.27604e-05	0	-1e+06
Nov	9.57032e-02	0	-1e+06
Dec	9.57032e-02	0	-1e+06

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

manual.calc.pop.total	model.pop.total	dil
0.0127621282621875	0	-1e+06

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

Month	manual.calc.pop.total	model.pop.total	dil
Jan	2.126738e-03	0	-1e+06
Feb	2.835645e-07	0	-1e+06
Mar	2.835645e-07	0	-1e+06
Apr	2.835645e-07	0	-1e+06
May	2.126738e-03	0	-1e+06
Jun	2.126738e-03	0	-1e+06
Jul	2.126738e-03	0	-1e+06
Aug	2.835645e-07	0	-1e+06
Sep	2.835645e-07	0	-1e+06
Oct	2.835645e-07	0	-1e+06
Nov	2.126738e-03	0	-1e+06
Dec	2.126738e-03	0	-1e+06

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

manual.calc.pop.total	model.pop.total	dil
0.0127621282621875	0	-1e+06

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

Month	manual.calc.pop.total	model.pop.total	dil
Jan	2.126738e-03	0	-1e+06
Feb	2.835645e-07	0	-1e+06
Mar	2.835645e-07	0	-1e+06
Apr	2.835645e-07	0	-1e+06
May	2.126738e-03	0	-1e+06
Jun	2.126738e-03	0	-1e+06
Jul	2.126738e-03	0	-1e+06
Aug	2.835645e-07	0	-1e+06
Sep	2.835645e-07	0	-1e+06
Oct	2.835645e-07	0	-1e+06
Nov	2.126738e-03	0	-1e+06
Dec	2.126738e-03	0	-1e+06



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

manual.calc.pop.total	model.pop.total	dil
0.0127621282621875	0	-1e+06

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

Month	manual.calc.pop.total	model.pop.total	dil
Jan	2.126738e-03	0	-1e+06
Feb	2.835645e-07	0	-1e+06
Mar	2.835645e-07	0	-1e+06
Apr	2.835645e-07	0	-1e+06
May	2.126738e-03	0	-1e+06
Jun	2.126738e-03	0	-1e+06
Jul	2.126738e-03	0	-1e+06
Aug	2.835645e-07	0	-1e+06
Sep	2.835645e-07	0	-1e+06
Oct	2.835645e-07	0	-1e+06
Nov	2.126738e-03	0	-1e+06
Dec	2.126738e-03	0	-1e+06

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

manual.calc.bac.total	model.bac.total	dil
490065743.645465	0	-1e+06

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

Month	manual.calc.bac.total	model.bac.total	dil
Jan	81666735.06	0	-1e+06
Feb	10888.88	0	-1e+06
Mar	10888.88	0	-1e+06
Apr	10888.88	0	-1e+06
May	81666735.06	0	-1e+06
Jun	81666735.06	0	-1e+06
Jul	81666735.06	0	-1e+06
Aug	10888.88	0	-1e+06
Sep	10888.88	0	-1e+06
Oct	10888.88	0	-1e+06
Nov	81666735.06	0	-1e+06
Dec	81666735.06	0	-1e+06

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

manual.calc.bac.total	model.bac.total	dil
459436634.667623	0	-1e+06

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

Month	manual.calc.bac.total	model.bac.total	dil
Jan	76562564.12	0	-1e+06
Feb	10208.32	0	-1e+06
Mar	10208.32	0	-1e+06
Apr	10208.32	0	-1e+06
May	76562564.12	0	-1e+06
Jun	76562564.12	0	-1e+06
Jul	76562564.12	0	-1e+06
Aug	10208.32	0	-1e+06
Sep	10208.32	0	-1e+06
Oct	10208.32	0	-1e+06
Nov	76562564.12	0	-1e+06
Dec	76562564.12	0	-1e+06

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

manual.calc.bac.total	model.bac.total	dil
10209702.9926139	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	1701390.3138	0	-1e+06
Feb	226.8516	0	-1e+06
Mar	226.8516	0	-1e+06
Apr	226.8516	0	-1e+06
May	1701390.3138	0	-1e+06
Jun	1701390.3138	0	-1e+06
Jul	1701390.3138	0	-1e+06
Aug	226.8516	0	-1e+06
Sep	226.8516	0	-1e+06
Oct	226.8516	0	-1e+06
Nov	1701390.3138	0	-1e+06
Dec	1701390.3138	0	-1e+06



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

manual.calc.bac.total	model.bac.total	dil
10209702.9926139	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	1701390.3138	0	-1e+06
Feb	226.8516	0	-1e+06
Mar	226.8516	0	-1e+06
Apr	226.8516	0	-1e+06
May	1701390.3138	0	-1e+06
Jun	1701390.3138	0	-1e+06
Jul	1701390.3138	0	-1e+06
Aug	226.8516	0	-1e+06
Sep	226.8516	0	-1e+06
Oct	226.8516	0	-1e+06
Nov	1701390.3138	0	-1e+06
Dec	1701390.3138	0	-1e+06

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

manual.calc.pop.total	model.pop.total	dil
0.0127621282621875	0	-1e+06

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

Month	manual.calc.bac.total	model.bac.total	dil
Jan	694445.0260	0	-1e+06
Feb	92.5925	0	-1e+06
Mar	92.5925	0	-1e+06
Apr	92.5925	0	-1e+06
May	694445.0260	0	-1e+06
Jun	694445.0260	0	-1e+06
Jul	694445.0260	0	-1e+06
Aug	92.5925	0	-1e+06
Sep	92.5925	0	-1e+06
Oct	92.5925	0	-1e+06
Nov	694445.0260	0	-1e+06
Dec	694445.0260	0	-1e+06

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

Month	manual.calc.bac.total	model.bac.total	dil
Jan	694445.0260	0	-1e+06
Feb	92.5925	0	-1e+06
Mar	92.5925	0	-1e+06
Apr	92.5925	0	-1e+06
May	694445.0260	0	-1e+06
Jun	694445.0260	0	-1e+06
Jul	694445.0260	0	-1e+06
Aug	92.5925	0	-1e+06
Sep	92.5925	0	-1e+06
Oct	92.5925	0	-1e+06
Nov	694445.0260	0	-1e+06
Dec	694445.0260	0	-1e+06

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

Month	manual.calc.bac.total	model.bac.total	dil
Jan	694445.0260	0	-1e+06
Feb	92.5925	0	-1e+06
Mar	92.5925	0	-1e+06
Apr	92.5925	0	-1e+06
May	694445.0260	0	-1e+06
Jun	694445.0260	0	-1e+06
Jul	694445.0260	0	-1e+06
Aug	92.5925	0	-1e+06
Sep	92.5925	0	-1e+06
Oct	92.5925	0	-1e+06
Nov	694445.0260	0	-1e+06
Dec	694445.0260	0	-1e+06