

Total number of gulls (dil = 1E+06)

| Month | Manual   | Model    | dil |
|-------|----------|----------|-----|
| Jan   | 112.6466 | 112.6466 | 0   |
| Feb   | 112.6466 | 112.6466 | 0   |
| Mar   | 112.6466 | 112.6466 | 0   |
| Apr   | 112.6466 | 112.6466 | 0   |
| May   | 112.6466 | 112.6466 | 0   |
| Jun   | 112.6466 | 112.6466 | 0   |
| Jul   | 112.6466 | 112.6466 | 0   |
| Aug   | 112.6466 | 112.6466 | 0   |
| Sep   | 112.6466 | 112.6466 | 0   |
| Oct   | 112.6466 | 112.6466 | 0   |
| Nov   | 112.6466 | 112.6466 | 0   |
| Dec   | 112.6466 | 112.6466 | 0   |

## Number of gulls on land (dil = 1E+06)

| Month | Manual   | Model    | dil |
|-------|----------|----------|-----|
| Jan   | 59.13946 | 59.13946 | 0   |
| Feb   | 59.13946 | 59.13946 | 0   |
| Mar   | 59.13946 | 59.13946 | 0   |
| Apr   | 59.13946 | 59.13946 | 0   |
| May   | 59.13946 | 59.13946 | 0   |
| Jun   | 59.13946 | 59.13946 | 0   |
| Jul   | 59.13946 | 59.13946 | 0   |
| Aug   | 59.13946 | 59.13946 | 0   |
| Sep   | 59.13946 | 59.13946 | 0   |
| Oct   | 59.13946 | 59.13946 | 0   |
| Nov   | 59.13946 | 59.13946 | 0   |
| Dec   | 59.13946 | 59.13946 | 0   |

Number of gulls in stream (dil = 1E+06)

| Month | Manual   | Model    | dil |
|-------|----------|----------|-----|
| Jan   | 53.50713 | 53.50713 | 0   |
| Feb   | 53.50713 | 53.50713 | 0   |
| Mar   | 53.50713 | 53.50713 | 0   |
| Apr   | 53.50713 | 53.50713 | 0   |
| May   | 53.50713 | 53.50713 | 0   |
| Jun   | 53.50713 | 53.50713 | 0   |
| Jul   | 53.50713 | 53.50713 | 0   |
| Aug   | 53.50713 | 53.50713 | 0   |
| Sep   | 53.50713 | 53.50713 | 0   |
| Oct   | 53.50713 | 53.50713 | 0   |
| Nov   | 53.50713 | 53.50713 | 0   |
| Dec   | 53.50713 | 53.50713 | 0   |

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

| Month | Manual       | Model        | dil |
|-------|--------------|--------------|-----|
| Jan   | 269225407443 | 269225407443 | 0   |
| Feb   | 269225407443 | 269225407443 | 0   |
| Mar   | 269225407443 | 269225407443 | 0   |
| Apr   | 269225407443 | 269225407443 | 0   |
| May   | 269225407443 | 269225407443 | 0   |
| Jun   | 269225407443 | 269225407443 | 0   |
| Jul   | 269225407443 | 269225407443 | 0   |
| Aug   | 269225407443 | 269225407443 | 0   |
| Sep   | 269225407443 | 269225407443 | 0   |
| Oct   | 269225407443 | 269225407443 | 0   |
| Nov   | 269225407443 | 269225407443 | 0   |
| Dec   | 269225407443 | 269225407443 | 0   |

## Bacteria load on land from gulls (dil = 1E+06)

| Month | Manual       | Model        | dil |
|-------|--------------|--------------|-----|
| Jan   | 141343338907 | 141343338907 | 0   |
| Feb   | 141343338907 | 141343338907 | 0   |
| Mar   | 141343338907 | 141343338907 | 0   |
| Apr   | 141343338907 | 141343338907 | 0   |
| May   | 141343338907 | 141343338907 | 0   |
| Jun   | 141343338907 | 141343338907 | 0   |
| Jul   | 141343338907 | 141343338907 | 0   |
| Aug   | 141343338907 | 141343338907 | 0   |
| Sep   | 141343338907 | 141343338907 | 0   |
| Oct   | 141343338907 | 141343338907 | 0   |
| Nov   | 141343338907 | 141343338907 | 0   |
| Dec   | 141343338907 | 141343338907 | 0   |

## Bacteria load to stream from gulls (dil = 1E+06)

| Month | Manual       | Model        | dil |
|-------|--------------|--------------|-----|
| Jan   | 127882068535 | 127882068535 | 0   |
| Feb   | 127882068535 | 127882068535 | 0   |
| Mar   | 127882068535 | 127882068535 | 0   |
| Apr   | 127882068535 | 127882068535 | 0   |
| May   | 127882068535 | 127882068535 | 0   |
| Jun   | 127882068535 | 127882068535 | 0   |
| Jul   | 127882068535 | 127882068535 | 0   |
| Aug   | 127882068535 | 127882068535 | 0   |
| Sep   | 127882068535 | 127882068535 | 0   |
| Oct   | 127882068535 | 127882068535 | 0   |
| Nov   | 127882068535 | 127882068535 | 0   |
| Dec   | 127882068535 | 127882068535 | 0   |

Bacteria load to land as accum for pasture from gulls (dil = 1E+06)

| Month | Manual   | Model    | dil |
|-------|----------|----------|-----|
| Jan   | 57034678 | 57034678 | 0   |
| Feb   | 57034678 | 57034678 | 0   |
| Mar   | 57034678 | 57034678 | 0   |
| Apr   | 57034678 | 57034678 | 0   |
| May   | 57034678 | 57034678 | 0   |
| Jun   | 57034678 | 57034678 | 0   |
| Jul   | 57034678 | 57034678 | 0   |
| Aug   | 57034678 | 57034678 | 0   |
| Sep   | 57034678 | 57034678 | 0   |
| Oct   | 57034678 | 57034678 | 0   |
| Nov   | 57034678 | 57034678 | 0   |
| Dec   | 57034678 | 57034678 | 0   |

Bacteria load to land as accum for forest from gulls (dil = 1E+06)

| Month | Manual   | Model    | dil |
|-------|----------|----------|-----|
| Jan   | 57034678 | 57034678 | 0   |
| Feb   | 57034678 | 57034678 | 0   |
| Mar   | 57034678 | 57034678 | 0   |
| Apr   | 57034678 | 57034678 | 0   |
| May   | 57034678 | 57034678 | 0   |
| Jun   | 57034678 | 57034678 | 0   |
| Jul   | 57034678 | 57034678 | 0   |
| Aug   | 57034678 | 57034678 | 0   |
| Sep   | 57034678 | 57034678 | 0   |
| Oct   | 57034678 | 57034678 | 0   |
| Nov   | 57034678 | 57034678 | 0   |
| Dec   | 57034678 | 57034678 | 0   |



Bacteria load to land as accum for RAOCUT from gulls (dil = 1E+06)

| Month | Manual   | Model    | dil |
|-------|----------|----------|-----|
| Jan   | 57034678 | 57034678 | 0   |
| Feb   | 57034678 | 57034678 | 0   |
| Mar   | 57034678 | 57034678 | 0   |
| Apr   | 57034678 | 57034678 | 0   |
| May   | 57034678 | 57034678 | 0   |
| Jun   | 57034678 | 57034678 | 0   |
| Jul   | 57034678 | 57034678 | 0   |
| Aug   | 57034678 | 57034678 | 0   |
| Sep   | 57034678 | 57034678 | 0   |
| Oct   | 57034678 | 57034678 | 0   |
| Nov   | 57034678 | 57034678 | 0   |
| Dec   | 57034678 | 57034678 | 0   |

Bacteria load limit to land as accum for pasture from gulls (dil = 1E+06)

| Month | Manual    | Model     | dil |
|-------|-----------|-----------|-----|
| Jan   | 513312102 | 513312102 | 0   |
| Feb   | 513312102 | 513312102 | 0   |
| Mar   | 513312102 | 513312102 | 0   |
| Apr   | 513312102 | 513312102 | 0   |
| May   | 513312102 | 513312102 | 0   |
| Jun   | 513312102 | 513312102 | 0   |
| Jul   | 513312102 | 513312102 | 0   |
| Aug   | 513312102 | 513312102 | 0   |
| Sep   | 513312102 | 513312102 | 0   |
| Oct   | 513312102 | 513312102 | 0   |
| Nov   | 513312102 | 513312102 | 0   |
| Dec   | 513312102 | 513312102 | 0   |

Bacteria load limit to land as accum for forest from gulls (dil = 1E+06)

| Month | Manual    | Model     | dil |
|-------|-----------|-----------|-----|
| Jan   | 513312102 | 513312102 | 0   |
| Feb   | 513312102 | 513312102 | 0   |
| Mar   | 513312102 | 513312102 | 0   |
| Apr   | 513312102 | 513312102 | 0   |
| May   | 513312102 | 513312102 | 0   |
| Jun   | 513312102 | 513312102 | 0   |
| Jul   | 513312102 | 513312102 | 0   |
| Aug   | 513312102 | 513312102 | 0   |
| Sep   | 513312102 | 513312102 | 0   |
| Oct   | 513312102 | 513312102 | 0   |
| Nov   | 513312102 | 513312102 | 0   |
| Dec   | 513312102 | 513312102 | 0   |

Bacteria load limit to land as accum for RAOCUT from gulls (dil = 1E+06)

| Month | Manual    | Model     | dil |
|-------|-----------|-----------|-----|
| Jan   | 513312102 | 513312102 | 0   |
| Feb   | 513312102 | 513312102 | 0   |
| Mar   | 513312102 | 513312102 | 0   |
| Apr   | 513312102 | 513312102 | 0   |
| May   | 513312102 | 513312102 | 0   |
| Jun   | 513312102 | 513312102 | 0   |
| Jul   | 513312102 | 513312102 | 0   |
| Aug   | 513312102 | 513312102 | 0   |
| Sep   | 513312102 | 513312102 | 0   |
| Oct   | 513312102 | 513312102 | 0   |
| Nov   | 513312102 | 513312102 | 0   |
| Dec   | 513312102 | 513312102 | 0   |