

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

| Month | Manual | Model | dil |
|-------|-----------|-----------|-----|
| Jan | 5.9687500 | 5.9687500 | 0 |
| Feb | 0.0596875 | 0.0596875 | 0 |
| Mar | 0.0596875 | 0.0596875 | 0 |
| Apr | 0.0596875 | 0.0596875 | 0 |
| May | 5.9687500 | 5.9687500 | 0 |
| Jun | 5.9687500 | 5.9687500 | 0 |
| Jul | 5.9687500 | 5.9687500 | 0 |
| Aug | 0.0596875 | 0.0596875 | 0 |
| Sep | 0.0596875 | 0.0596875 | 0 |
| Oct | 0.0596875 | 0.0596875 | 0 |
| Nov | 5.9687500 | 5.9687500 | 0 |
| Dec | 5.9687500 | 5.9687500 | 0 |

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

| Month | Manual | Model | dil |
|-------|-------------|-------------|-----|
| Jan | 5.96875e-06 | 5.96875e-06 | 0 |
| Feb | 5.96875e-08 | 5.96875e-08 | 0 |
| Mar | 5.96875e-08 | 5.96875e-08 | 0 |
| Apr | 5.96875e-08 | 5.96875e-08 | 0 |
| May | 5.96875e-06 | 5.96875e-06 | 0 |
| Jun | 5.96875e-06 | 5.96875e-06 | 0 |
| Jul | 5.96875e-06 | 5.96875e-06 | 0 |
| Aug | 5.96875e-08 | 5.96875e-08 | 0 |
| Sep | 5.96875e-08 | 5.96875e-08 | 0 |
| Oct | 5.96875e-08 | 5.96875e-08 | 0 |
| Nov | 5.96875e-06 | 5.96875e-06 | 0 |
| Dec | 5.96875e-06 | 5.96875e-06 | 0 |

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

| Month | Manual | Model | dil |
|-------|------------|------------|-----|
| Jan | 5.96874403 | 5.96874403 | 0 |
| Feb | 0.05968744 | 0.05968744 | 0 |
| Mar | 0.05968744 | 0.05968744 | 0 |
| Apr | 0.05968744 | 0.05968744 | 0 |
| May | 5.96874403 | 5.96874403 | 0 |
| Jun | 5.96874403 | 5.96874403 | 0 |
| Jul | 5.96874403 | 5.96874403 | 0 |
| Aug | 0.05968744 | 0.05968744 | 0 |
| Sep | 0.05968744 | 0.05968744 | 0 |
| Oct | 0.05968744 | 0.05968744 | 0 |
| Nov | 5.96874403 | 5.96874403 | 0 |
| Dec | 5.96874403 | 5.96874403 | 0 |

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

| Month | Manual | Model | dil |
|-------|-----------|-----------|-----|
| Jan | 4.775e+09 | 4.775e+09 | 0 |
| Feb | 4.775e+07 | 4.775e+07 | 0 |
| Mar | 4.775e+07 | 4.775e+07 | 0 |
| Apr | 4.775e+07 | 4.775e+07 | 0 |
| May | 4.775e+09 | 4.775e+09 | 0 |
| Jun | 4.775e+09 | 4.775e+09 | 0 |
| Jul | 4.775e+09 | 4.775e+09 | 0 |
| Aug | 4.775e+07 | 4.775e+07 | 0 |
| Sep | 4.775e+07 | 4.775e+07 | 0 |
| Oct | 4.775e+07 | 4.775e+07 | 0 |
| Nov | 4.775e+09 | 4.775e+09 | 0 |
| Dec | 4.775e+09 | 4.775e+09 | 0 |

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

| Month | Manual | Model | dil |
|-------|---------|---------|-----|
| Jan | 4775.00 | 4775.00 | 0 |
| Feb | 47.75 | 47.75 | 0 |
| Mar | 47.75 | 47.75 | 0 |
| Apr | 47.75 | 47.75 | 0 |
| May | 4775.00 | 4775.00 | 0 |
| Jun | 4775.00 | 4775.00 | 0 |
| Jul | 4775.00 | 4775.00 | 0 |
| Aug | 47.75 | 47.75 | 0 |
| Sep | 47.75 | 47.75 | 0 |
| Oct | 47.75 | 47.75 | 0 |
| Nov | 4775.00 | 4775.00 | 0 |
| Dec | 4775.00 | 4775.00 | 0 |

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

| Month | Manual | Model | dil |
|-------|------------|------------|-----|
| Jan | 4774995225 | 4774995404 | 0 |
| Feb | 47749952 | 47749954 | 0 |
| Mar | 47749952 | 47749954 | 0 |
| Apr | 47749952 | 47749954 | 0 |
| May | 4774995225 | 4774995404 | 0 |
| Jun | 4774995225 | 4774995404 | 0 |
| Jul | 4774995225 | 4774995404 | 0 |
| Aug | 47749952 | 47749954 | 0 |
| Sep | 47749952 | 47749954 | 0 |
| Oct | 47749952 | 47749954 | 0 |
| Nov | 4774995225 | 4774995404 | 0 |
| Dec | 4774995225 | 4774995404 | 0 |

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

| Month | Manual | Model | 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 |

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

| Month | Manual | Model | 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 |

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

| Month | Manual | Model | 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 |

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

| Month | Manual | Model | dil |
|-------|--------|-------|-----|
| Jan | 180.0 | 180.0 | 0 |
| Feb | 1.8 | 1.8 | 0 |
| Mar | 1.8 | 1.8 | 0 |
| Apr | 1.8 | 1.8 | 0 |
| May | 180.0 | 180.0 | 0 |
| Jun | 180.0 | 180.0 | 0 |
| Jul | 180.0 | 180.0 | 0 |
| Aug | 1.8 | 1.8 | 0 |
| Sep | 1.8 | 1.8 | 0 |
| Oct | 1.8 | 1.8 | 0 |
| Nov | 180.0 | 180.0 | 0 |
| Dec | 180.0 | 180.0 | 0 |

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

| Month | Manual | Model | dil |
|-------|--------|-------|-----|
| Jan | 180.0 | 180.0 | 0 |
| Feb | 1.8 | 1.8 | 0 |
| Mar | 1.8 | 1.8 | 0 |
| Apr | 1.8 | 1.8 | 0 |
| May | 180.0 | 180.0 | 0 |
| Jun | 180.0 | 180.0 | 0 |
| Jul | 180.0 | 180.0 | 0 |
| Aug | 1.8 | 1.8 | 0 |
| Sep | 1.8 | 1.8 | 0 |
| Oct | 1.8 | 1.8 | 0 |
| Nov | 180.0 | 180.0 | 0 |
| Dec | 180.0 | 180.0 | 0 |

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

| Month | Manual | Model | dil |
|-------|--------|-------|-----|
| Jan | 180.0 | 180.0 | 0 |
| Feb | 1.8 | 1.8 | 0 |
| Mar | 1.8 | 1.8 | 0 |
| Apr | 1.8 | 1.8 | 0 |
| May | 180.0 | 180.0 | 0 |
| Jun | 180.0 | 180.0 | 0 |
| Jul | 180.0 | 180.0 | 0 |
| Aug | 1.8 | 1.8 | 0 |
| Sep | 1.8 | 1.8 | 0 |
| Oct | 1.8 | 1.8 | 0 |
| Nov | 180.0 | 180.0 | 0 |
| Dec | 180.0 | 180.0 | 0 |