

## **ATTACHMENT 8F3**

# **PREDICTED SLIPPER LAKE WATER QUALITY**



## Tables

|             |                                            |   |
|-------------|--------------------------------------------|---|
| Table 8F3-1 | Predicted Slipper Lake Water Quality ..... | 1 |
|-------------|--------------------------------------------|---|



## Units of Measure

| Unit   | Definition                      |
|--------|---------------------------------|
| mg/L   | milligrams per litre            |
| mg N/L | milligrams nitrogen per litre   |
| mg P/L | milligrams phosphorus per litre |

**Table 8F3-1 Predicted Slipper Lake Water Quality  
Part A**

| Month    | Total Dissolved Solids<br>(mg/L) | Calcium<br>(mg/L) | Chloride<br>(mg/L) | Magnesium<br>(mg/L) | Potassium<br>(mg/L) | Sodium<br>(mg/L) | Sulphate<br>(mg/L) | Ammonia<br>(mg N/L) | Nitrate<br>(mg N/L) | Phosphate<br>(mg P/L) | Aluminium<br>(mg/L) | Antimony<br>(mg/L) | Arsenic<br>(mg/L) | Barium<br>(mg/L) |
|----------|----------------------------------|-------------------|--------------------|---------------------|---------------------|------------------|--------------------|---------------------|---------------------|-----------------------|---------------------|--------------------|-------------------|------------------|
| May 2000 | 0.46                             | 0.62              | 1.2                | 0.61                | 1.2                 | 0.011            | 6.0                | 0.0086              | 0.048               | 0.0062                | 0.0093              | 0.00061            | 0.00012           | 0.0061           |
| Jun 2000 | 2.8                              | 0.59              | 0.85               | 0.54                | 0.85                | 0.16             | 3.9                | 0.008               | 0.032               | 0.0054                | 0.017               | 0.0005             | 0.00013           | 0.0047           |
| Jul 2000 | 6.2                              | 0.77              | 0.69               | 0.63                | 0.74                | 0.35             | 3.0                | 0.0093              | 0.031               | 0.0058                | 0.026               | 0.00049            | 0.00017           | 0.0049           |
| Aug 2000 | 7.8                              | 0.9               | 0.68               | 0.7                 | 0.76                | 0.42             | 3.1                | 0.01                | 0.041               | 0.0061                | 0.03                | 0.00051            | 0.00019           | 0.0055           |
| Sep 2000 | 8.6                              | 0.98              | 0.69               | 0.74                | 0.8                 | 0.45             | 3.4                | 0.01                | 0.054               | 0.0063                | 0.031               | 0.00053            | 0.0002            | 0.006            |
| Oct 2000 | 9.4                              | 1.1               | 0.72               | 0.8                 | 0.86                | 0.48             | 3.8                | 0.011               | 0.068               | 0.0066                | 0.034               | 0.00057            | 0.00022           | 0.0067           |
| Nov 2000 | 11                               | 1.3               | 0.82               | 0.92                | 1.0                 | 0.55             | 4.7                | 0.012               | 0.089               | 0.0074                | 0.038               | 0.00065            | 0.00025           | 0.0079           |
| Dec 2000 | 13                               | 1.5               | 0.94               | 1.1                 | 1.2                 | 0.62             | 5.7                | 0.014               | 0.11                | 0.0084                | 0.043               | 0.00074            | 0.00028           | 0.0094           |
| Jan 2001 | 14                               | 1.6               | 1.1                | 1.2                 | 1.3                 | 0.69             | 6.4                | 0.015               | 0.13                | 0.0094                | 0.048               | 0.00083            | 0.00031           | 0.01             |
| Feb 2001 | 14                               | 1.7               | 1.1                | 1.2                 | 1.3                 | 0.7              | 6.5                | 0.016               | 0.13                | 0.0095                | 0.049               | 0.00084            | 0.00032           | 0.011            |
| Mar 2001 | 14                               | 1.7               | 1.1                | 1.2                 | 1.3                 | 0.7              | 6.5                | 0.016               | 0.13                | 0.0095                | 0.049               | 0.00084            | 0.00032           | 0.011            |
| Apr 2001 | 14                               | 1.6               | 1.0                | 1.2                 | 1.3                 | 0.68             | 6.3                | 0.015               | 0.13                | 0.0092                | 0.047               | 0.00082            | 0.00031           | 0.01             |
| May 2001 | 12                               | 1.4               | 0.87               | 0.99                | 1.1                 | 0.57             | 5.5                | 0.013               | 0.11                | 0.0077                | 0.04                | 0.00069            | 0.00026           | 0.0088           |
| Jun 2001 | 9.6                              | 1.1               | 0.69               | 0.81                | 0.97                | 0.45             | 6.0                | 0.0094              | 0.13                | 0.006                 | 0.032               | 0.00058            | 0.00022           | 0.0076           |
| Jul 2001 | 9.6                              | 1.1               | 0.67               | 0.8                 | 1.0                 | 0.46             | 7.1                | 0.0091              | 0.13                | 0.0056                | 0.032               | 0.00056            | 0.00021           | 0.0074           |
| Aug 2001 | 10                               | 1.2               | 0.7                | 0.84                | 1.1                 | 0.5              | 8.0                | 0.0094              | 0.14                | 0.0057                | 0.033               | 0.00057            | 0.00022           | 0.0077           |
| Sep 2001 | 11                               | 1.2               | 0.73               | 0.87                | 1.2                 | 0.53             | 8.9                | 0.0096              | 0.15                | 0.0058                | 0.034               | 0.00059            | 0.00023           | 0.008            |
| Oct 2001 | 11                               | 1.3               | 0.8                | 0.95                | 1.4                 | 0.58             | 11                 | 0.01                | 0.17                | 0.0061                | 0.036               | 0.00063            | 0.00025           | 0.0088           |
| Nov 2001 | 13                               | 1.5               | 0.91               | 1.1                 | 1.6                 | 0.66             | 12                 | 0.011               | 0.19                | 0.0067                | 0.04                | 0.00071            | 0.00027           | 0.01             |
| Dec 2001 | 15                               | 1.7               | 1.0                | 1.2                 | 1.8                 | 0.74             | 14                 | 0.013               | 0.22                | 0.0075                | 0.045               | 0.0008             | 0.00031           | 0.011            |
| Jan 2002 | 16                               | 1.9               | 1.1                | 1.3                 | 2.0                 | 0.83             | 16                 | 0.014               | 0.24                | 0.0084                | 0.05                | 0.00089            | 0.00034           | 0.013            |
| Feb 2002 | 16                               | 1.9               | 1.2                | 1.4                 | 2.0                 | 0.84             | 16                 | 0.014               | 0.25                | 0.0085                | 0.05                | 0.0009             | 0.00035           | 0.013            |
| Mar 2002 | 16                               | 1.9               | 1.2                | 1.4                 | 2.0                 | 0.84             | 16                 | 0.014               | 0.25                | 0.0085                | 0.05                | 0.0009             | 0.00035           | 0.013            |
| Apr 2002 | 16                               | 1.9               | 1.1                | 1.3                 | 2.0                 | 0.81             | 15                 | 0.014               | 0.24                | 0.0082                | 0.049               | 0.00088            | 0.00034           | 0.012            |
| May 2002 | 13                               | 1.6               | 0.95               | 1.1                 | 1.7                 | 0.69             | 13                 | 0.012               | 0.2                 | 0.0069                | 0.041               | 0.00074            | 0.00029           | 0.01             |
| Jun 2002 | 11                               | 1.3               | 0.81               | 0.92                | 1.4                 | 0.59             | 12                 | 0.0093              | 0.17                | 0.0055                | 0.034               | 0.00061            | 0.00024           | 0.0084           |
| Jul 2002 | 10                               | 1.2               | 0.8                | 0.88                | 1.4                 | 0.61             | 11                 | 0.0089              | 0.16                | 0.0052                | 0.032               | 0.00059            | 0.00023           | 0.0078           |
| Aug 2002 | 11                               | 1.2               | 0.83               | 0.9                 | 1.4                 | 0.64             | 11                 | 0.0093              | 0.16                | 0.0054                | 0.033               | 0.00059            | 0.00023           | 0.0078           |
| Sep 2002 | 11                               | 1.2               | 0.85               | 0.93                | 1.4                 | 0.68             | 12                 | 0.0097              | 0.16                | 0.0055                | 0.034               | 0.0006             | 0.00024           | 0.008            |
| Oct 2002 | 12                               | 1.3               | 0.91               | 0.99                | 1.5                 | 0.73             | 12                 | 0.01                | 0.17                | 0.0059                | 0.036               | 0.00064            | 0.00025           | 0.0084           |
| Nov 2002 | 13                               | 1.5               | 1.0                | 1.1                 | 1.7                 | 0.85             | 14                 | 0.012               | 0.2                 | 0.0066                | 0.04                | 0.00072            | 0.00028           | 0.0096           |
| Dec 2002 | 15                               | 1.7               | 1.2                | 1.3                 | 2.0                 | 0.99             | 16                 | 0.013               | 0.23                | 0.0075                | 0.046               | 0.00082            | 0.00032           | 0.011            |
| Jan 2003 | 17                               | 1.9               | 1.3                | 1.4                 | 2.2                 | 1.1              | 18                 | 0.015               | 0.25                | 0.0083                | 0.051               | 0.00091            | 0.00036           | 0.012            |
| Feb 2003 | 17                               | 1.9               | 1.4                | 1.5                 | 2.2                 | 1.1              | 18                 | 0.015               | 0.26                | 0.0084                | 0.052               | 0.00092            | 0.00036           | 0.012            |
| Mar 2003 | 17                               | 1.9               | 1.4                | 1.5                 | 2.2                 | 1.1              | 18                 | 0.015               | 0.26                | 0.0084                | 0.052               | 0.00092            | 0.00036           | 0.012            |
| Apr 2003 | 17                               | 1.8               | 1.3                | 1.4                 | 2.1                 | 1.1              | 17                 | 0.015               | 0.25                | 0.0081                | 0.05                | 0.00089            | 0.00035           | 0.012            |
| May 2003 | 14                               | 1.6               | 1.1                | 1.2                 | 1.8                 | 0.93             | 15                 | 0.012               | 0.21                | 0.0069                | 0.042               | 0.00075            | 0.0003            | 0.01             |
| Jun 2003 | 12                               | 1.3               | 1.1                | 1.1                 | 1.6                 | 0.96             | 13                 | 0.011               | 0.19                | 0.0056                | 0.035               | 0.00062            | 0.00025           | 0.0084           |

**Table 8F3-1 Predicted Slipper Lake Water Quality  
Part A**

| Month    | Total Dissolved Solids<br>(mg/L) | Calcium<br>(mg/L) | Chloride<br>(mg/L) | Magnesium<br>(mg/L) | Potassium<br>(mg/L) | Sodium<br>(mg/L) | Sulphate<br>(mg/L) | Ammonia<br>(mg N/L) | Nitrate<br>(mg N/L) | Phosphate<br>(mg P/L) | Aluminium<br>(mg/L) | Antimony<br>(mg/L) | Arsenic<br>(mg/L) | Barium<br>(mg/L) |
|----------|----------------------------------|-------------------|--------------------|---------------------|---------------------|------------------|--------------------|---------------------|---------------------|-----------------------|---------------------|--------------------|-------------------|------------------|
| Jul 2003 | 13                               | 1.3               | 1.4                | 1.1                 | 1.6                 | 1.2              | 13                 | 0.011               | 0.21                | 0.0054                | 0.033               | 0.00062            | 0.00026           | 0.0082           |
| Aug 2003 | 13                               | 1.3               | 1.5                | 1.2                 | 1.6                 | 1.3              | 13                 | 0.011               | 0.22                | 0.0055                | 0.034               | 0.00063            | 0.00026           | 0.0084           |
| Sep 2003 | 14                               | 1.4               | 1.6                | 1.2                 | 1.7                 | 1.4              | 13                 | 0.011               | 0.23                | 0.0056                | 0.035               | 0.00065            | 0.00027           | 0.0086           |
| Oct 2003 | 16                               | 1.5               | 1.8                | 1.4                 | 1.8                 | 1.6              | 15                 | 0.012               | 0.26                | 0.006                 | 0.037               | 0.0007             | 0.0003            | 0.0095           |
| Nov 2003 | 19                               | 1.8               | 2.3                | 1.6                 | 2.2                 | 2.1              | 18                 | 0.014               | 0.32                | 0.0067                | 0.042               | 0.0008             | 0.00035           | 0.011            |
| Dec 2003 | 23                               | 2.1               | 2.8                | 2.0                 | 2.7                 | 2.6              | 21                 | 0.016               | 0.4                 | 0.0076                | 0.047               | 0.00094            | 0.00041           | 0.013            |
| Jan 2004 | 28                               | 2.6               | 3.8                | 2.5                 | 3.4                 | 3.5              | 27                 | 0.019               | 0.53                | 0.0086                | 0.054               | 0.0011             | 0.00049           | 0.017            |
| Feb 2004 | 36                               | 3.2               | 5.4                | 3.1                 | 4.3                 | 5.0              | 35                 | 0.021               | 0.75                | 0.0087                | 0.055               | 0.0013             | 0.00058           | 0.02             |
| Mar 2004 | 43                               | 3.6               | 7.0                | 3.8                 | 5.2                 | 6.5              | 42                 | 0.021               | 0.97                | 0.0083                | 0.055               | 0.0014             | 0.00066           | 0.023            |
| Apr 2004 | 44                               | 3.7               | 7.5                | 3.9                 | 5.4                 | 6.9              | 43                 | 0.021               | 1.0                 | 0.0079                | 0.053               | 0.0015             | 0.00068           | 0.024            |
| May 2004 | 38                               | 3.2               | 6.5                | 3.4                 | 4.6                 | 6.0              | 37                 | 0.018               | 0.89                | 0.0065                | 0.044               | 0.0012             | 0.00057           | 0.02             |
| Jun 2004 | 33                               | 2.7               | 6.1                | 2.9                 | 4.0                 | 5.6              | 31                 | 0.014               | 0.81                | 0.0048                | 0.033               | 0.001              | 0.00049           | 0.017            |
| Jul 2004 | 34                               | 2.6               | 6.4                | 3.0                 | 4.0                 | 5.9              | 30                 | 0.013               | 0.83                | 0.0044                | 0.032               | 0.001              | 0.00048           | 0.016            |
| Aug 2004 | 34                               | 2.6               | 6.5                | 3.0                 | 4.0                 | 6.0              | 30                 | 0.013               | 0.84                | 0.0046                | 0.033               | 0.001              | 0.00049           | 0.016            |
| Sep 2004 | 35                               | 2.7               | 6.5                | 3.0                 | 4.0                 | 6.0              | 29                 | 0.013               | 0.83                | 0.0048                | 0.034               | 0.001              | 0.0005            | 0.016            |
| Oct 2004 | 37                               | 2.8               | 6.9                | 3.2                 | 4.2                 | 6.4              | 31                 | 0.014               | 0.87                | 0.0053                | 0.036               | 0.0011             | 0.00053           | 0.017            |
| Nov 2004 | 43                               | 3.3               | 7.9                | 3.7                 | 4.9                 | 7.3              | 35                 | 0.016               | 1.0                 | 0.0059                | 0.04                | 0.0012             | 0.0006            | 0.02             |
| Dec 2004 | 52                               | 3.9               | 9.6                | 4.4                 | 5.9                 | 8.9              | 41                 | 0.019               | 1.2                 | 0.0068                | 0.046               | 0.0015             | 0.00071           | 0.024            |
| Jan 2005 | 61                               | 4.7               | 11                 | 5.2                 | 6.9                 | 11               | 49                 | 0.021               | 1.4                 | 0.0077                | 0.052               | 0.0017             | 0.00083           | 0.028            |
| Feb 2005 | 62                               | 4.7               | 12                 | 5.3                 | 7.0                 | 11               | 49                 | 0.022               | 1.5                 | 0.0078                | 0.053               | 0.0018             | 0.00085           | 0.029            |
| Mar 2005 | 62                               | 4.7               | 12                 | 5.3                 | 7.0                 | 11               | 49                 | 0.022               | 1.5                 | 0.0078                | 0.053               | 0.0018             | 0.00085           | 0.029            |
| Apr 2005 | 61                               | 4.6               | 11                 | 5.2                 | 6.8                 | 10               | 48                 | 0.021               | 1.4                 | 0.0076                | 0.052               | 0.0017             | 0.00082           | 0.028            |
| May 2005 | 51                               | 3.9               | 9.6                | 4.4                 | 5.8                 | 8.8              | 40                 | 0.018               | 1.2                 | 0.0064                | 0.043               | 0.0014             | 0.00069           | 0.024            |
| Jun 2005 | 46                               | 3.5               | 8.8                | 3.8                 | 5.0                 | 7.9              | 33                 | 0.013               | 1.0                 | 0.0049                | 0.034               | 0.0012             | 0.00059           | 0.02             |
| Jul 2005 | 45                               | 3.4               | 8.5                | 3.6                 | 4.7                 | 7.5              | 29                 | 0.012               | 0.96                | 0.0048                | 0.033               | 0.0012             | 0.00056           | 0.019            |
| Aug 2005 | 43                               | 3.3               | 7.9                | 3.4                 | 4.4                 | 7.0              | 27                 | 0.012               | 0.88                | 0.0051                | 0.034               | 0.0012             | 0.00054           | 0.018            |
| Sep 2005 | 42                               | 3.2               | 7.7                | 3.3                 | 4.3                 | 6.7              | 26                 | 0.012               | 0.84                | 0.0053                | 0.035               | 0.0011             | 0.00053           | 0.018            |
| Oct 2005 | 44                               | 3.3               | 7.8                | 3.4                 | 4.4                 | 6.8              | 26                 | 0.013               | 0.85                | 0.0057                | 0.037               | 0.0012             | 0.00054           | 0.018            |
| Nov 2005 | 48                               | 3.7               | 8.6                | 3.7                 | 4.8                 | 7.5              | 29                 | 0.014               | 0.94                | 0.0063                | 0.041               | 0.0013             | 0.0006            | 0.02             |
| Dec 2005 | 54                               | 4.2               | 9.7                | 4.2                 | 5.4                 | 8.5              | 32                 | 0.016               | 1.1                 | 0.0071                | 0.046               | 0.0015             | 0.00068           | 0.023            |
| Jan 2006 | 60                               | 4.6               | 11                 | 4.7                 | 6.0                 | 9.4              | 36                 | 0.018               | 1.2                 | 0.0079                | 0.052               | 0.0016             | 0.00075           | 0.026            |
| Feb 2006 | 61                               | 4.7               | 11                 | 4.8                 | 6.1                 | 9.6              | 37                 | 0.018               | 1.2                 | 0.008                 | 0.052               | 0.0017             | 0.00077           | 0.026            |
| Mar 2006 | 61                               | 4.7               | 11                 | 4.8                 | 6.1                 | 9.6              | 37                 | 0.018               | 1.2                 | 0.008                 | 0.052               | 0.0017             | 0.00077           | 0.026            |
| Apr 2006 | 59                               | 4.6               | 11                 | 4.6                 | 6.0                 | 9.3              | 36                 | 0.017               | 1.2                 | 0.0078                | 0.051               | 0.0016             | 0.00074           | 0.025            |
| May 2006 | 50                               | 3.8               | 8.8                | 3.8                 | 4.9                 | 7.7              | 29                 | 0.015               | 0.96                | 0.0066                | 0.043               | 0.0013             | 0.00062           | 0.021            |
| Jun 2006 | 34                               | 2.8               | 5.8                | 2.6                 | 3.2                 | 4.9              | 18                 | 0.012               | 0.59                | 0.0057                | 0.035               | 0.00095            | 0.00044           | 0.014            |
| Jul 2006 | 33                               | 3.0               | 5.6                | 2.3                 | 2.8                 | 4.3              | 15                 | 0.011               | 0.48                | 0.0056                | 0.034               | 0.00087            | 0.0004            | 0.013            |
| Aug 2006 | 36                               | 3.4               | 6.3                | 2.5                 | 2.9                 | 4.7              | 15                 | 0.011               | 0.51                | 0.0057                | 0.034               | 0.00092            | 0.00043           | 0.014            |

**Table 8F3-1      Predicted Slipper Lake Water Quality  
Part A**

| Month    | Total Dissolved Solids<br>(mg/L) | Calcium<br>(mg/L) | Chloride<br>(mg/L) | Magnesium<br>(mg/L) | Potassium<br>(mg/L) | Sodium<br>(mg/L) | Sulphate<br>(mg/L) | Ammonia<br>(mg N/L) | Nitrate<br>(mg N/L) | Phosphate<br>(mg P/L) | Aluminium<br>(mg/L) | Antimony<br>(mg/L) | Arsenic<br>(mg/L) | Barium<br>(mg/L) |
|----------|----------------------------------|-------------------|--------------------|---------------------|---------------------|------------------|--------------------|---------------------|---------------------|-----------------------|---------------------|--------------------|-------------------|------------------|
| Sep 2006 | 39                               | 3.7               | 6.9                | 2.7                 | 3.1                 | 5.1              | 16                 | 0.011               | 0.54                | 0.0057                | 0.035               | 0.00096            | 0.00045           | 0.015            |
| Oct 2006 | 45                               | 4.3               | 8.1                | 3.1                 | 3.6                 | 5.9              | 18                 | 0.012               | 0.63                | 0.006                 | 0.037               | 0.0011             | 0.0005            | 0.017            |
| Nov 2006 | 55                               | 5.4               | 10                 | 3.8                 | 4.4                 | 7.3              | 23                 | 0.014               | 0.78                | 0.0067                | 0.041               | 0.0013             | 0.0006            | 0.02             |
| Dec 2006 | 71                               | 6.9               | 13                 | 4.8                 | 5.5                 | 9.4              | 29                 | 0.016               | 1.0                 | 0.0076                | 0.047               | 0.0016             | 0.00074           | 0.025            |
| Jan 2007 | 83                               | 8.2               | 16                 | 5.6                 | 6.5                 | 11               | 34                 | 0.018               | 1.2                 | 0.0084                | 0.052               | 0.0018             | 0.00086           | 0.03             |
| Feb 2007 | 85                               | 8.4               | 16                 | 5.7                 | 6.6                 | 11               | 35                 | 0.018               | 1.2                 | 0.0086                | 0.053               | 0.0018             | 0.00088           | 0.03             |
| Mar 2007 | 85                               | 8.4               | 16                 | 5.7                 | 6.6                 | 11               | 35                 | 0.018               | 1.2                 | 0.0086                | 0.053               | 0.0018             | 0.00088           | 0.03             |
| Apr 2007 | 82                               | 8.1               | 16                 | 5.5                 | 6.4                 | 11               | 34                 | 0.018               | 1.2                 | 0.0083                | 0.051               | 0.0018             | 0.00085           | 0.029            |
| May 2007 | 70                               | 7.0               | 14                 | 4.7                 | 5.5                 | 9.4              | 29                 | 0.015               | 1.0                 | 0.007                 | 0.043               | 0.0015             | 0.00072           | 0.025            |
| Jun 2007 | 68                               | 7.0               | 14                 | 4.4                 | 5.1                 | 9.3              | 27                 | 0.013               | 0.94                | 0.0054                | 0.034               | 0.0014             | 0.00066           | 0.023            |
| Jul 2007 | 81                               | 8.7               | 18                 | 5.0                 | 5.7                 | 11               | 29                 | 0.015               | 1.1                 | 0.0051                | 0.032               | 0.0015             | 0.00072           | 0.025            |
| Aug 2007 | 89                               | 9.8               | 20                 | 5.4                 | 6.1                 | 12               | 31                 | 0.016               | 1.1                 | 0.0052                | 0.033               | 0.0015             | 0.00077           | 0.026            |
| Sep 2007 | 96                               | 11                | 22                 | 5.8                 | 6.4                 | 13               | 33                 | 0.017               | 1.2                 | 0.0054                | 0.034               | 0.0016             | 0.00081           | 0.028            |
| Oct 2007 | 109                              | 12                | 25                 | 6.5                 | 7.2                 | 15               | 36                 | 0.018               | 1.4                 | 0.0057                | 0.036               | 0.0018             | 0.00089           | 0.031            |
| Nov 2007 | 131                              | 15                | 30                 | 7.7                 | 8.5                 | 18               | 43                 | 0.021               | 1.6                 | 0.0063                | 0.04                | 0.0021             | 0.001             | 0.036            |
| Dec 2007 | 153                              | 17                | 36                 | 8.9                 | 9.9                 | 21               | 50                 | 0.024               | 1.9                 | 0.0071                | 0.045               | 0.0024             | 0.0012            | 0.042            |
| Jan 2008 | 170                              | 19                | 40                 | 9.9                 | 11                  | 23               | 55                 | 0.027               | 2.1                 | 0.0079                | 0.05                | 0.0027             | 0.0014            | 0.046            |
| Feb 2008 | 173                              | 20                | 40                 | 10                  | 11                  | 24               | 56                 | 0.027               | 2.1                 | 0.008                 | 0.051               | 0.0027             | 0.0014            | 0.047            |
| Mar 2008 | 173                              | 20                | 40                 | 10                  | 11                  | 24               | 56                 | 0.027               | 2.1                 | 0.008                 | 0.051               | 0.0027             | 0.0014            | 0.047            |
| Apr 2008 | 168                              | 19                | 39                 | 9.8                 | 11                  | 23               | 55                 | 0.026               | 2.1                 | 0.0078                | 0.049               | 0.0026             | 0.0013            | 0.046            |
| May 2008 | 145                              | 16                | 34                 | 8.4                 | 9.3                 | 20               | 47                 | 0.022               | 1.8                 | 0.0066                | 0.042               | 0.0022             | 0.0011            | 0.039            |
| Jun 2008 | 115                              | 13                | 28                 | 6.5                 | 7.1                 | 16               | 35                 | 0.017               | 1.4                 | 0.0053                | 0.033               | 0.0017             | 0.00088           | 0.029            |
| Jul 2008 | 89                               | 10                | 22                 | 4.8                 | 5.3                 | 12               | 25                 | 0.015               | 1.0                 | 0.0052                | 0.032               | 0.0013             | 0.00068           | 0.022            |
| Aug 2008 | 77                               | 8.9               | 19                 | 4.2                 | 4.5                 | 11               | 21                 | 0.015               | 0.84                | 0.0054                | 0.033               | 0.0012             | 0.0006            | 0.019            |
| Sep 2008 | 69                               | 8.0               | 17                 | 3.7                 | 4.1                 | 9.4              | 19                 | 0.015               | 0.73                | 0.0057                | 0.034               | 0.0011             | 0.00056           | 0.017            |
| Oct 2008 | 67                               | 7.7               | 16                 | 3.6                 | 3.9                 | 9.0              | 18                 | 0.016               | 0.69                | 0.0062                | 0.037               | 0.0011             | 0.00055           | 0.017            |
| Nov 2008 | 79                               | 9.1               | 19                 | 4.2                 | 4.6                 | 11               | 21                 | 0.018               | 0.82                | 0.007                 | 0.041               | 0.0012             | 0.00063           | 0.02             |
| Dec 2008 | 102                              | 12                | 26                 | 5.3                 | 5.9                 | 14               | 26                 | 0.022               | 1.1                 | 0.008                 | 0.047               | 0.0015             | 0.00078           | 0.024            |
| Jan 2009 | 124                              | 14                | 31                 | 6.3                 | 7.0                 | 17               | 31                 | 0.025               | 1.3                 | 0.009                 | 0.052               | 0.0018             | 0.00092           | 0.029            |
| Feb 2009 | 126                              | 15                | 32                 | 6.4                 | 7.2                 | 18               | 32                 | 0.025               | 1.3                 | 0.0092                | 0.053               | 0.0018             | 0.00093           | 0.029            |
| Mar 2009 | 126                              | 15                | 32                 | 6.4                 | 7.2                 | 18               | 32                 | 0.025               | 1.3                 | 0.0092                | 0.053               | 0.0018             | 0.00093           | 0.029            |
| Apr 2009 | 122                              | 14                | 31                 | 6.2                 | 7.0                 | 17               | 31                 | 0.025               | 1.3                 | 0.0089                | 0.052               | 0.0018             | 0.00091           | 0.028            |
| May 2009 | 106                              | 12                | 27                 | 5.4                 | 6.0                 | 15               | 27                 | 0.021               | 1.1                 | 0.0075                | 0.044               | 0.0015             | 0.00078           | 0.024            |
| Jun 2009 | 103                              | 12                | 28                 | 4.9                 | 5.6                 | 15               | 24                 | 0.017               | 1.1                 | 0.0058                | 0.035               | 0.0013             | 0.00069           | 0.021            |
| Jul 2009 | 113                              | 13                | 32                 | 5.1                 | 6.1                 | 17               | 25                 | 0.017               | 1.2                 | 0.0054                | 0.033               | 0.0013             | 0.00072           | 0.021            |
| Aug 2009 | 117                              | 13                | 33                 | 5.2                 | 6.2                 | 18               | 26                 | 0.018               | 1.2                 | 0.0056                | 0.035               | 0.0014             | 0.00073           | 0.021            |
| Sep 2009 | 120                              | 14                | 35                 | 5.3                 | 6.4                 | 19               | 26                 | 0.018               | 1.2                 | 0.0058                | 0.036               | 0.0014             | 0.00075           | 0.021            |
| Oct 2009 | 133                              | 15                | 39                 | 5.7                 | 7.0                 | 21               | 29                 | 0.02                | 1.4                 | 0.0062                | 0.038               | 0.0015             | 0.00081           | 0.023            |

**Table 8F3-1 Predicted Slipper Lake Water Quality  
Part A**

| Month    | Total Dissolved Solids<br>(mg/L) | Calcium<br>(mg/L) | Chloride<br>(mg/L) | Magnesium<br>(mg/L) | Potassium<br>(mg/L) | Sodium<br>(mg/L) | Sulphate<br>(mg/L) | Ammonia<br>(mg N/L) | Nitrate<br>(mg N/L) | Phosphate<br>(mg P/L) | Aluminium<br>(mg/L) | Antimony<br>(mg/L) | Arsenic<br>(mg/L) | Barium<br>(mg/L) |
|----------|----------------------------------|-------------------|--------------------|---------------------|---------------------|------------------|--------------------|---------------------|---------------------|-----------------------|---------------------|--------------------|-------------------|------------------|
| Nov 2009 | 155                              | 18                | 45                 | 6.6                 | 8.1                 | 24               | 33                 | 0.022               | 1.6                 | 0.0069                | 0.042               | 0.0017             | 0.00093           | 0.026            |
| Dec 2009 | 177                              | 20                | 52                 | 7.5                 | 9.3                 | 28               | 38                 | 0.025               | 1.8                 | 0.0078                | 0.048               | 0.002              | 0.0011            | 0.03             |
| Jan 2010 | 201                              | 23                | 59                 | 8.5                 | 11                  | 32               | 43                 | 0.028               | 2.0                 | 0.0088                | 0.054               | 0.0022             | 0.0012            | 0.034            |
| Feb 2010 | 207                              | 24                | 61                 | 8.8                 | 11                  | 33               | 44                 | 0.029               | 2.1                 | 0.009                 | 0.055               | 0.0023             | 0.0012            | 0.035            |
| Mar 2010 | 211                              | 24                | 63                 | 8.9                 | 11                  | 34               | 45                 | 0.029               | 2.2                 | 0.009                 | 0.055               | 0.0023             | 0.0012            | 0.035            |
| Apr 2010 | 207                              | 24                | 61                 | 8.7                 | 11                  | 33               | 44                 | 0.029               | 2.1                 | 0.0088                | 0.054               | 0.0023             | 0.0012            | 0.034            |
| May 2010 | 178                              | 20                | 53                 | 7.5                 | 9.3                 | 28               | 37                 | 0.024               | 1.8                 | 0.0075                | 0.046               | 0.0019             | 0.001             | 0.029            |
| Jun 2010 | 148                              | 17                | 46                 | 6.0                 | 7.7                 | 24               | 30                 | 0.019               | 1.5                 | 0.0068                | 0.037               | 0.0016             | 0.00084           | 0.023            |
| Jul 2010 | 125                              | 14                | 39                 | 4.8                 | 6.4                 | 21               | 24                 | 0.016               | 1.2                 | 0.0072                | 0.035               | 0.0013             | 0.0007            | 0.018            |
| Aug 2010 | 113                              | 13                | 36                 | 4.4                 | 5.8                 | 19               | 21                 | 0.016               | 1.1                 | 0.0074                | 0.037               | 0.0012             | 0.00065           | 0.017            |
| Sep 2010 | 110                              | 12                | 35                 | 4.2                 | 5.7                 | 18               | 21                 | 0.016               | 1.1                 | 0.0074                | 0.037               | 0.0012             | 0.00064           | 0.016            |
| Oct 2010 | 116                              | 13                | 37                 | 4.4                 | 6.0                 | 19               | 22                 | 0.017               | 1.1                 | 0.0077                | 0.04                | 0.0013             | 0.00067           | 0.017            |
| Nov 2010 | 134                              | 15                | 43                 | 5.1                 | 6.9                 | 22               | 25                 | 0.019               | 1.3                 | 0.0085                | 0.045               | 0.0015             | 0.00076           | 0.019            |
| Dec 2010 | 158                              | 17                | 50                 | 5.9                 | 8.1                 | 26               | 29                 | 0.021               | 1.5                 | 0.0097                | 0.051               | 0.0017             | 0.00089           | 0.023            |
| Jan 2011 | 180                              | 20                | 57                 | 6.7                 | 9.3                 | 30               | 33                 | 0.024               | 1.7                 | 0.011                 | 0.057               | 0.0019             | 0.001             | 0.026            |
| Feb 2011 | 186                              | 20                | 59                 | 6.9                 | 9.6                 | 31               | 34                 | 0.025               | 1.8                 | 0.011                 | 0.058               | 0.002              | 0.001             | 0.026            |
| Mar 2011 | 189                              | 21                | 60                 | 7.0                 | 9.7                 | 31               | 35                 | 0.025               | 1.8                 | 0.011                 | 0.059               | 0.002              | 0.0011            | 0.027            |
| Apr 2011 | 185                              | 20                | 59                 | 6.9                 | 9.5                 | 31               | 34                 | 0.024               | 1.8                 | 0.011                 | 0.057               | 0.0019             | 0.001             | 0.026            |
| May 2011 | 158                              | 17                | 51                 | 5.9                 | 8.1                 | 26               | 29                 | 0.02                | 1.5                 | 0.009                 | 0.048               | 0.0017             | 0.00088           | 0.022            |
| Jun 2011 | 135                              | 15                | 44                 | 4.8                 | 7.0                 | 23               | 24                 | 0.016               | 1.3                 | 0.0066                | 0.039               | 0.0014             | 0.00073           | 0.018            |
| Jul 2011 | 120                              | 13                | 39                 | 4.1                 | 6.2                 | 21               | 21                 | 0.015               | 1.2                 | 0.0059                | 0.038               | 0.0013             | 0.00065           | 0.015            |
| Aug 2011 | 111                              | 11                | 36                 | 3.8                 | 5.8                 | 19               | 19                 | 0.015               | 1.1                 | 0.006                 | 0.039               | 0.0012             | 0.00062           | 0.014            |
| Sep 2011 | 109                              | 11                | 35                 | 3.7                 | 5.7                 | 19               | 19                 | 0.015               | 1.1                 | 0.0061                | 0.04                | 0.0012             | 0.00061           | 0.014            |
| Oct 2011 | 115                              | 12                | 38                 | 3.9                 | 6.1                 | 20               | 20                 | 0.016               | 1.1                 | 0.0063                | 0.043               | 0.0013             | 0.00065           | 0.015            |
| Nov 2011 | 134                              | 14                | 44                 | 4.5                 | 7.1                 | 24               | 23                 | 0.018               | 1.3                 | 0.007                 | 0.049               | 0.0015             | 0.00075           | 0.017            |
| Dec 2011 | 158                              | 16                | 51                 | 5.3                 | 8.3                 | 28               | 28                 | 0.021               | 1.6                 | 0.0079                | 0.056               | 0.0017             | 0.00087           | 0.02             |
| Jan 2012 | 180                              | 18                | 59                 | 6.0                 | 9.5                 | 32               | 31                 | 0.023               | 1.8                 | 0.0088                | 0.063               | 0.0019             | 0.00099           | 0.022            |
| Feb 2012 | 186                              | 19                | 61                 | 6.2                 | 9.8                 | 33               | 32                 | 0.024               | 1.9                 | 0.009                 | 0.064               | 0.002              | 0.001             | 0.023            |
| Mar 2012 | 189                              | 19                | 62                 | 6.2                 | 10.0                | 34               | 33                 | 0.024               | 1.9                 | 0.0091                | 0.065               | 0.002              | 0.001             | 0.023            |
| Apr 2012 | 185                              | 19                | 61                 | 6.1                 | 9.8                 | 33               | 32                 | 0.024               | 1.9                 | 0.0089                | 0.063               | 0.002              | 0.001             | 0.023            |
| May 2012 | 159                              | 16                | 52                 | 5.2                 | 8.4                 | 28               | 28                 | 0.02                | 1.6                 | 0.0074                | 0.054               | 0.0017             | 0.00087           | 0.02             |
| Jun 2012 | 135                              | 13                | 44                 | 4.3                 | 7.2                 | 25               | 23                 | 0.016               | 1.4                 | 0.0057                | 0.045               | 0.0014             | 0.00073           | 0.016            |
| Jul 2012 | 118                              | 11                | 38                 | 3.7                 | 6.4                 | 22               | 20                 | 0.015               | 1.3                 | 0.0055                | 0.044               | 0.0013             | 0.00066           | 0.013            |
| Aug 2012 | 108                              | 9.8               | 34                 | 3.4                 | 5.9                 | 20               | 19                 | 0.015               | 1.2                 | 0.0058                | 0.045               | 0.0012             | 0.00063           | 0.013            |
| Sep 2012 | 105                              | 9.4               | 33                 | 3.3                 | 5.8                 | 20               | 18                 | 0.015               | 1.1                 | 0.006                 | 0.046               | 0.0012             | 0.00062           | 0.012            |
| Oct 2012 | 111                              | 9.8               | 35                 | 3.5                 | 6.1                 | 21               | 19                 | 0.016               | 1.2                 | 0.0063                | 0.049               | 0.0013             | 0.00066           | 0.013            |
| Nov 2012 | 128                              | 11                | 40                 | 4.0                 | 7.1                 | 24               | 22                 | 0.017               | 1.4                 | 0.0071                | 0.056               | 0.0015             | 0.00076           | 0.015            |
| Dec 2012 | 150                              | 13                | 47                 | 4.7                 | 8.4                 | 29               | 26                 | 0.02                | 1.7                 | 0.008                 | 0.064               | 0.0017             | 0.00088           | 0.018            |



**Table 8F3-1 Predicted Slipper Lake Water Quality  
Part A**

| Month    | Total Dissolved Solids<br>(mg/L) | Calcium<br>(mg/L) | Chloride<br>(mg/L) | Magnesium<br>(mg/L) | Potassium<br>(mg/L) | Sodium<br>(mg/L) | Sulphate<br>(mg/L) | Ammonia<br>(mg N/L) | Nitrate<br>(mg N/L) | Phosphate<br>(mg P/L) | Aluminium<br>(mg/L) | Antimony<br>(mg/L) | Arsenic<br>(mg/L) | Barium<br>(mg/L) |
|----------|----------------------------------|-------------------|--------------------|---------------------|---------------------|------------------|--------------------|---------------------|---------------------|-----------------------|---------------------|--------------------|-------------------|------------------|
| Jan 2013 | 171                              | 15                | 53                 | 5.3                 | 9.6                 | 33               | 30                 | 0.023               | 1.9                 | 0.009                 | 0.073               | 0.002              | 0.001             | 0.02             |
| Feb 2013 | 177                              | 15                | 55                 | 5.5                 | 9.9                 | 34               | 31                 | 0.023               | 2.0                 | 0.0092                | 0.075               | 0.002              | 0.001             | 0.021            |
| Mar 2013 | 180                              | 16                | 56                 | 5.6                 | 10                  | 35               | 32                 | 0.023               | 2.0                 | 0.0093                | 0.075               | 0.0021             | 0.0011            | 0.021            |
| Apr 2013 | 176                              | 15                | 55                 | 5.5                 | 9.9                 | 34               | 31                 | 0.023               | 2.0                 | 0.0091                | 0.074               | 0.002              | 0.001             | 0.02             |
| May 2013 | 151                              | 13                | 47                 | 4.7                 | 8.5                 | 29               | 27                 | 0.019               | 1.7                 | 0.0077                | 0.063               | 0.0017             | 0.00088           | 0.017            |
| Jun 2013 | 126                              | 10                | 39                 | 3.8                 | 7.2                 | 25               | 22                 | 0.015               | 1.5                 | 0.0059                | 0.052               | 0.0014             | 0.00074           | 0.014            |
| Jul 2013 | 109                              | 8.6               | 33                 | 3.3                 | 6.3                 | 22               | 19                 | 0.013               | 1.3                 | 0.0055                | 0.05                | 0.0013             | 0.00067           | 0.012            |
| Aug 2013 | 99                               | 7.8               | 30                 | 3.0                 | 5.8                 | 20               | 18                 | 0.013               | 1.2                 | 0.0058                | 0.049               | 0.0012             | 0.00063           | 0.011            |
| Sep 2013 | 97                               | 7.5               | 29                 | 3.0                 | 5.6                 | 20               | 17                 | 0.013               | 1.2                 | 0.0059                | 0.05                | 0.0012             | 0.00062           | 0.011            |
| Oct 2013 | 102                              | 7.8               | 30                 | 3.1                 | 6.0                 | 21               | 18                 | 0.014               | 1.2                 | 0.0062                | 0.053               | 0.0013             | 0.00066           | 0.012            |
| Nov 2013 | 117                              | 9.0               | 35                 | 3.6                 | 6.9                 | 24               | 21                 | 0.016               | 1.4                 | 0.0069                | 0.06                | 0.0015             | 0.00076           | 0.014            |
| Dec 2013 | 138                              | 11                | 41                 | 4.2                 | 8.1                 | 28               | 25                 | 0.018               | 1.7                 | 0.0079                | 0.068               | 0.0017             | 0.00088           | 0.016            |
| Jan 2014 | 157                              | 12                | 47                 | 4.8                 | 9.2                 | 32               | 28                 | 0.02                | 1.9                 | 0.0088                | 0.077               | 0.0019             | 0.0010            | 0.018            |
| Feb 2014 | 162                              | 12                | 48                 | 4.9                 | 9.5                 | 33               | 29                 | 0.021               | 2.0                 | 0.009                 | 0.079               | 0.002              | 0.001             | 0.018            |
| Mar 2014 | 165                              | 13                | 49                 | 5.0                 | 9.7                 | 34               | 29                 | 0.021               | 2.0                 | 0.0091                | 0.08                | 0.002              | 0.001             | 0.019            |
| Apr 2014 | 162                              | 12                | 48                 | 4.9                 | 9.5                 | 33               | 29                 | 0.02                | 2.0                 | 0.0089                | 0.079               | 0.002              | 0.001             | 0.018            |
| May 2014 | 139                              | 11                | 41                 | 4.2                 | 8.1                 | 29               | 25                 | 0.017               | 1.7                 | 0.0075                | 0.067               | 0.0017             | 0.00088           | 0.016            |
| Jun 2014 | 117                              | 8.8               | 35                 | 3.5                 | 6.8                 | 24               | 21                 | 0.013               | 1.5                 | 0.0057                | 0.054               | 0.0014             | 0.00072           | 0.012            |
| Jul 2014 | 102                              | 7.8               | 31                 | 3.0                 | 5.9                 | 21               | 18                 | 0.011               | 1.3                 | 0.0053                | 0.05                | 0.0012             | 0.00064           | 0.011            |
| Aug 2014 | 94                               | 7.3               | 29                 | 2.8                 | 5.4                 | 19               | 16                 | 0.012               | 1.2                 | 0.0056                | 0.05                | 0.0012             | 0.0006            | 0.01             |
| Sep 2014 | 92                               | 7.2               | 28                 | 2.8                 | 5.3                 | 19               | 16                 | 0.012               | 1.1                 | 0.0057                | 0.05                | 0.0012             | 0.00059           | 0.01             |
| Oct 2014 | 97                               | 7.7               | 30                 | 3.0                 | 5.6                 | 20               | 17                 | 0.012               | 1.2                 | 0.0061                | 0.053               | 0.0012             | 0.00063           | 0.011            |
| Nov 2014 | 113                              | 9.0               | 35                 | 3.4                 | 6.4                 | 23               | 19                 | 0.014               | 1.4                 | 0.0067                | 0.059               | 0.0014             | 0.00071           | 0.013            |
| Dec 2014 | 133                              | 11                | 41                 | 4.0                 | 7.6                 | 27               | 23                 | 0.016               | 1.6                 | 0.0076                | 0.068               | 0.0016             | 0.00083           | 0.015            |
| Jan 2015 | 152                              | 12                | 47                 | 4.6                 | 8.6                 | 31               | 26                 | 0.018               | 1.8                 | 0.0086                | 0.077               | 0.0018             | 0.00094           | 0.017            |
| Feb 2015 | 157                              | 13                | 49                 | 4.7                 | 8.9                 | 32               | 27                 | 0.018               | 1.9                 | 0.0088                | 0.079               | 0.0019             | 0.00097           | 0.017            |
| Mar 2015 | 160                              | 13                | 50                 | 4.8                 | 9.1                 | 33               | 27                 | 0.018               | 1.9                 | 0.0088                | 0.08                | 0.0019             | 0.00098           | 0.018            |
| Apr 2015 | 157                              | 13                | 49                 | 4.7                 | 8.9                 | 32               | 27                 | 0.018               | 1.9                 | 0.0086                | 0.078               | 0.0019             | 0.00097           | 0.017            |
| May 2015 | 135                              | 11                | 42                 | 4.0                 | 7.6                 | 28               | 23                 | 0.015               | 1.6                 | 0.0072                | 0.066               | 0.0016             | 0.00082           | 0.015            |
| Jun 2015 | 116                              | 9.7               | 38                 | 3.4                 | 6.4                 | 24               | 19                 | 0.012               | 1.4                 | 0.0056                | 0.053               | 0.0013             | 0.00068           | 0.012            |
| Jul 2015 | 105                              | 9.2               | 36                 | 3.1                 | 5.7                 | 21               | 17                 | 0.011               | 1.2                 | 0.0053                | 0.049               | 0.0012             | 0.0006            | 0.01             |
| Aug 2015 | 98                               | 8.8               | 33                 | 2.9                 | 5.2                 | 20               | 16                 | 0.011               | 1.1                 | 0.0055                | 0.049               | 0.0011             | 0.00057           | 0.01             |
| Sep 2015 | 97                               | 8.8               | 33                 | 2.9                 | 5.1                 | 19               | 16                 | 0.012               | 1.1                 | 0.0057                | 0.049               | 0.0011             | 0.00056           | 0.01             |
| Oct 2015 | 103                              | 9.5               | 36                 | 3.1                 | 5.4                 | 20               | 17                 | 0.012               | 1.2                 | 0.006                 | 0.052               | 0.0012             | 0.00059           | 0.011            |
| Nov 2015 | 120                              | 11                | 42                 | 3.6                 | 6.3                 | 24               | 19                 | 0.014               | 1.3                 | 0.0067                | 0.058               | 0.0013             | 0.00067           | 0.013            |
| Dec 2015 | 142                              | 13                | 50                 | 4.2                 | 7.4                 | 28               | 23                 | 0.016               | 1.6                 | 0.0076                | 0.067               | 0.0015             | 0.00078           | 0.015            |
| Jan 2016 | 162                              | 15                | 57                 | 4.8                 | 8.4                 | 32               | 26                 | 0.018               | 1.8                 | 0.0085                | 0.075               | 0.0017             | 0.00089           | 0.017            |
| Feb 2016 | 167                              | 16                | 59                 | 4.9                 | 8.7                 | 33               | 27                 | 0.018               | 1.9                 | 0.0087                | 0.077               | 0.0018             | 0.00092           | 0.017            |



**Table 8F3-1 Predicted Slipper Lake Water Quality  
Part A**

| Month    | Total Dissolved Solids<br>(mg/L) | Calcium<br>(mg/L) | Chloride<br>(mg/L) | Magnesium<br>(mg/L) | Potassium<br>(mg/L) | Sodium<br>(mg/L) | Sulphate<br>(mg/L) | Ammonia<br>(mg N/L) | Nitrate<br>(mg N/L) | Phosphate<br>(mg P/L) | Aluminium<br>(mg/L) | Antimony<br>(mg/L) | Arsenic<br>(mg/L) | Barium<br>(mg/L) |
|----------|----------------------------------|-------------------|--------------------|---------------------|---------------------|------------------|--------------------|---------------------|---------------------|-----------------------|---------------------|--------------------|-------------------|------------------|
| Mar 2016 | 170                              | 16                | 60                 | 5.0                 | 8.9                 | 34               | 27                 | 0.018               | 1.9                 | 0.0087                | 0.078               | 0.0018             | 0.00093           | 0.017            |
| Apr 2016 | 168                              | 16                | 59                 | 4.9                 | 8.7                 | 33               | 27                 | 0.018               | 1.9                 | 0.0086                | 0.077               | 0.0018             | 0.00091           | 0.017            |
| May 2016 | 145                              | 14                | 51                 | 4.2                 | 7.5                 | 29               | 23                 | 0.015               | 1.6                 | 0.0072                | 0.065               | 0.0015             | 0.00078           | 0.015            |
| Jun 2016 | 125                              | 12                | 46                 | 3.6                 | 6.3                 | 25               | 19                 | 0.012               | 1.4                 | 0.0056                | 0.052               | 0.0013             | 0.00064           | 0.012            |
| Jul 2016 | 114                              | 11                | 43                 | 3.3                 | 5.7                 | 22               | 17                 | 0.012               | 1.2                 | 0.0053                | 0.048               | 0.0011             | 0.00057           | 0.011            |
| Aug 2016 | 106                              | 11                | 40                 | 3.1                 | 5.2                 | 20               | 16                 | 0.012               | 1.1                 | 0.0055                | 0.047               | 0.0011             | 0.00054           | 0.01             |
| Sep 2016 | 104                              | 11                | 39                 | 3.0                 | 5.1                 | 20               | 16                 | 0.013               | 1.1                 | 0.0057                | 0.048               | 0.0011             | 0.00054           | 0.01             |
| Oct 2016 | 111                              | 11                | 42                 | 3.2                 | 5.4                 | 21               | 17                 | 0.013               | 1.1                 | 0.006                 | 0.05                | 0.0011             | 0.00057           | 0.011            |
| Nov 2016 | 129                              | 13                | 49                 | 3.7                 | 6.3                 | 24               | 19                 | 0.015               | 1.3                 | 0.0067                | 0.056               | 0.0013             | 0.00065           | 0.013            |
| Dec 2016 | 153                              | 16                | 58                 | 4.4                 | 7.4                 | 29               | 23                 | 0.018               | 1.6                 | 0.0076                | 0.064               | 0.0015             | 0.00076           | 0.015            |
| Jan 2017 | 175                              | 18                | 67                 | 5.0                 | 8.5                 | 33               | 26                 | 0.02                | 1.8                 | 0.0085                | 0.073               | 0.0017             | 0.00086           | 0.017            |
| Feb 2017 | 181                              | 19                | 70                 | 5.2                 | 8.8                 | 34               | 27                 | 0.021               | 1.9                 | 0.0088                | 0.075               | 0.0017             | 0.00089           | 0.017            |
| Mar 2017 | 185                              | 19                | 71                 | 5.3                 | 9.0                 | 35               | 27                 | 0.021               | 1.9                 | 0.0088                | 0.075               | 0.0018             | 0.0009            | 0.018            |
| Apr 2017 | 182                              | 19                | 70                 | 5.2                 | 8.8                 | 34               | 27                 | 0.02                | 1.9                 | 0.0086                | 0.074               | 0.0017             | 0.00089           | 0.017            |
| May 2017 | 157                              | 16                | 60                 | 4.5                 | 7.6                 | 30               | 23                 | 0.017               | 1.6                 | 0.0073                | 0.063               | 0.0015             | 0.00076           | 0.015            |
| Jun 2017 | 137                              | 14                | 54                 | 3.8                 | 6.5                 | 26               | 20                 | 0.015               | 1.4                 | 0.0057                | 0.05                | 0.0012             | 0.00064           | 0.012            |
| Jul 2017 | 125                              | 13                | 50                 | 3.5                 | 5.9                 | 23               | 18                 | 0.015               | 1.3                 | 0.0054                | 0.046               | 0.0011             | 0.00059           | 0.011            |
| Aug 2017 | 116                              | 12                | 46                 | 3.2                 | 5.5                 | 22               | 17                 | 0.015               | 1.1                 | 0.0056                | 0.045               | 0.0011             | 0.00057           | 0.011            |
| Sep 2017 | 115                              | 12                | 45                 | 3.2                 | 5.4                 | 21               | 17                 | 0.016               | 1.1                 | 0.0058                | 0.046               | 0.0011             | 0.00057           | 0.011            |
| Oct 2017 | 122                              | 13                | 48                 | 3.4                 | 5.8                 | 22               | 18                 | 0.017               | 1.2                 | 0.0062                | 0.048               | 0.0011             | 0.00061           | 0.011            |
| Nov 2017 | 142                              | 15                | 56                 | 3.9                 | 6.7                 | 26               | 20                 | 0.019               | 1.4                 | 0.0069                | 0.054               | 0.0013             | 0.0007            | 0.013            |
| Dec 2017 | 168                              | 18                | 67                 | 4.6                 | 7.9                 | 31               | 24                 | 0.022               | 1.6                 | 0.0078                | 0.061               | 0.0015             | 0.00082           | 0.015            |
| Jan 2018 | 192                              | 21                | 76                 | 5.3                 | 9.0                 | 35               | 28                 | 0.025               | 1.9                 | 0.0088                | 0.069               | 0.0017             | 0.00093           | 0.017            |
| Feb 2018 | 199                              | 21                | 79                 | 5.5                 | 9.4                 | 37               | 29                 | 0.025               | 1.9                 | 0.009                 | 0.071               | 0.0018             | 0.00096           | 0.018            |
| Mar 2018 | 203                              | 22                | 81                 | 5.6                 | 9.5                 | 37               | 29                 | 0.026               | 2.0                 | 0.009                 | 0.072               | 0.0018             | 0.00098           | 0.018            |
| Apr 2018 | 200                              | 22                | 80                 | 5.5                 | 9.4                 | 37               | 29                 | 0.025               | 2.0                 | 0.0089                | 0.07                | 0.0018             | 0.00096           | 0.018            |
| May 2018 | 172                              | 19                | 69                 | 4.7                 | 8.1                 | 32               | 25                 | 0.021               | 1.7                 | 0.0075                | 0.06                | 0.0015             | 0.00083           | 0.015            |
| Jun 2018 | 150                              | 16                | 61                 | 4.0                 | 7.0                 | 28               | 21                 | 0.017               | 1.5                 | 0.0058                | 0.047               | 0.0013             | 0.00071           | 0.013            |
| Jul 2018 | 137                              | 15                | 55                 | 3.6                 | 6.4                 | 25               | 19                 | 0.017               | 1.3                 | 0.0055                | 0.043               | 0.0012             | 0.00066           | 0.011            |
| Aug 2018 | 126                              | 14                | 51                 | 3.4                 | 5.9                 | 23               | 18                 | 0.016               | 1.2                 | 0.0057                | 0.043               | 0.0011             | 0.00063           | 0.011            |
| Sep 2018 | 124                              | 13                | 50                 | 3.3                 | 5.8                 | 23               | 18                 | 0.016               | 1.2                 | 0.0059                | 0.044               | 0.0011             | 0.00063           | 0.011            |
| Oct 2018 | 132                              | 14                | 53                 | 3.5                 | 6.2                 | 24               | 19                 | 0.017               | 1.3                 | 0.0063                | 0.046               | 0.0012             | 0.00067           | 0.012            |
| Nov 2018 | 153                              | 16                | 61                 | 4.1                 | 7.2                 | 28               | 22                 | 0.019               | 1.5                 | 0.007                 | 0.051               | 0.0013             | 0.00077           | 0.014            |
| Dec 2018 | 181                              | 19                | 73                 | 4.8                 | 8.5                 | 33               | 26                 | 0.022               | 1.7                 | 0.0079                | 0.059               | 0.0016             | 0.0009            | 0.016            |
| Jan 2019 | 207                              | 22                | 83                 | 5.5                 | 9.7                 | 38               | 30                 | 0.025               | 2.0                 | 0.0089                | 0.066               | 0.0018             | 0.001             | 0.018            |
| Feb 2019 | 214                              | 23                | 86                 | 5.7                 | 10                  | 40               | 31                 | 0.026               | 2.1                 | 0.0091                | 0.068               | 0.0018             | 0.0011            | 0.019            |
| Mar 2019 | 218                              | 23                | 88                 | 5.8                 | 10                  | 40               | 31                 | 0.026               | 2.1                 | 0.0092                | 0.068               | 0.0019             | 0.0011            | 0.019            |
| Apr 2019 | 215                              | 23                | 87                 | 5.7                 | 10                  | 40               | 31                 | 0.026               | 2.1                 | 0.009                 | 0.067               | 0.0018             | 0.0011            | 0.019            |

**Table 8F3-1 Predicted Slipper Lake Water Quality  
Part A**

| Month    | Total Dissolved Solids<br>(mg/L) | Calcium<br>(mg/L) | Chloride<br>(mg/L) | Magnesium<br>(mg/L) | Potassium<br>(mg/L) | Sodium<br>(mg/L) | Sulphate<br>(mg/L) | Ammonia<br>(mg N/L) | Nitrate<br>(mg N/L) | Phosphate<br>(mg P/L) | Aluminium<br>(mg/L) | Antimony<br>(mg/L) | Arsenic<br>(mg/L) | Barium<br>(mg/L) |
|----------|----------------------------------|-------------------|--------------------|---------------------|---------------------|------------------|--------------------|---------------------|---------------------|-----------------------|---------------------|--------------------|-------------------|------------------|
| May 2019 | 185                              | 20                | 75                 | 4.9                 | 8.7                 | 34               | 27                 | 0.022               | 1.8                 | 0.0076                | 0.057               | 0.0016             | 0.00091           | 0.016            |
| Jun 2019 | 160                              | 17                | 65                 | 4.1                 | 7.5                 | 30               | 23                 | 0.017               | 1.6                 | 0.0059                | 0.045               | 0.0013             | 0.00078           | 0.013            |
| Jul 2019 | 143                              | 15                | 58                 | 3.7                 | 6.8                 | 27               | 21                 | 0.015               | 1.4                 | 0.0055                | 0.042               | 0.0012             | 0.00071           | 0.012            |
| Aug 2019 | 132                              | 14                | 53                 | 3.5                 | 6.2                 | 24               | 19                 | 0.015               | 1.3                 | 0.0058                | 0.042               | 0.0012             | 0.00067           | 0.012            |
| Sep 2019 | 129                              | 14                | 52                 | 3.5                 | 6.1                 | 24               | 19                 | 0.015               | 1.2                 | 0.0059                | 0.043               | 0.0011             | 0.00067           | 0.012            |
| Oct 2019 | 136                              | 14                | 55                 | 3.7                 | 6.5                 | 25               | 20                 | 0.016               | 1.3                 | 0.0063                | 0.045               | 0.0012             | 0.00071           | 0.013            |
| Nov 2019 | 158                              | 17                | 63                 | 4.2                 | 7.5                 | 29               | 23                 | 0.017               | 1.5                 | 0.007                 | 0.05                | 0.0014             | 0.00081           | 0.014            |
| Dec 2019 | 186                              | 20                | 75                 | 5.0                 | 8.9                 | 34               | 28                 | 0.02                | 1.8                 | 0.0079                | 0.058               | 0.0016             | 0.00095           | 0.017            |
| Jan 2020 | 213                              | 23                | 86                 | 5.7                 | 10                  | 39               | 32                 | 0.023               | 2.0                 | 0.0089                | 0.065               | 0.0018             | 0.0011            | 0.019            |
| Feb 2020 | 220                              | 23                | 89                 | 5.9                 | 10                  | 40               | 33                 | 0.023               | 2.1                 | 0.0091                | 0.067               | 0.0019             | 0.0011            | 0.02             |
| Mar 2020 | 225                              | 24                | 90                 | 6.0                 | 11                  | 41               | 33                 | 0.023               | 2.2                 | 0.0092                | 0.067               | 0.0019             | 0.0011            | 0.02             |
| Apr 2020 | 222                              | 24                | 89                 | 5.9                 | 11                  | 41               | 33                 | 0.023               | 2.1                 | 0.009                 | 0.066               | 0.0019             | 0.0011            | 0.02             |
| May 2020 | 191                              | 20                | 77                 | 5.1                 | 9.1                 | 35               | 28                 | 0.02                | 1.8                 | 0.0076                | 0.056               | 0.0016             | 0.00096           | 0.017            |
| Jun 2020 | 163                              | 17                | 66                 | 4.3                 | 7.8                 | 30               | 24                 | 0.016               | 1.6                 | 0.0059                | 0.045               | 0.0013             | 0.00081           | 0.014            |
| Jul 2020 | 143                              | 15                | 58                 | 3.9                 | 6.8                 | 26               | 22                 | 0.014               | 1.4                 | 0.0055                | 0.042               | 0.0012             | 0.00072           | 0.013            |
| Aug 2020 | 129                              | 14                | 52                 | 3.6                 | 6.2                 | 23               | 20                 | 0.015               | 1.2                 | 0.0058                | 0.043               | 0.0012             | 0.00068           | 0.013            |
| Sep 2020 | 126                              | 14                | 50                 | 3.6                 | 6.1                 | 23               | 20                 | 0.015               | 1.2                 | 0.0059                | 0.043               | 0.0011             | 0.00067           | 0.013            |
| Oct 2020 | 133                              | 14                | 53                 | 3.8                 | 6.4                 | 24               | 21                 | 0.015               | 1.3                 | 0.0062                | 0.046               | 0.0012             | 0.0007            | 0.013            |
| Nov 2020 | 153                              | 16                | 61                 | 4.4                 | 7.4                 | 27               | 24                 | 0.017               | 1.5                 | 0.0069                | 0.051               | 0.0014             | 0.0008            | 0.015            |
| Dec 2020 | 181                              | 19                | 72                 | 5.1                 | 8.8                 | 32               | 28                 | 0.02                | 1.7                 | 0.0079                | 0.059               | 0.0016             | 0.00094           | 0.018            |
| Jan 2021 | 207                              | 22                | 83                 | 5.9                 | 10                  | 37               | 33                 | 0.022               | 2.0                 | 0.0089                | 0.067               | 0.0018             | 0.0011            | 0.021            |
| Feb 2021 | 215                              | 23                | 86                 | 6.1                 | 10                  | 38               | 34                 | 0.023               | 2.1                 | 0.0091                | 0.069               | 0.0019             | 0.0011            | 0.021            |
| Mar 2021 | 219                              | 24                | 88                 | 6.2                 | 11                  | 39               | 34                 | 0.023               | 2.1                 | 0.0091                | 0.069               | 0.0019             | 0.0011            | 0.022            |
| Apr 2021 | 216                              | 23                | 87                 | 6.1                 | 10                  | 39               | 34                 | 0.023               | 2.1                 | 0.009                 | 0.068               | 0.0019             | 0.0011            | 0.022            |
| May 2021 | 186                              | 20                | 75                 | 5.3                 | 9.0                 | 33               | 29                 | 0.019               | 1.8                 | 0.0076                | 0.058               | 0.0016             | 0.00095           | 0.019            |
| Jun 2021 | 158                              | 17                | 64                 | 4.5                 | 7.7                 | 28               | 25                 | 0.015               | 1.5                 | 0.0059                | 0.047               | 0.0013             | 0.00079           | 0.015            |
| Jul 2021 | 139                              | 15                | 56                 | 4.0                 | 6.7                 | 25               | 22                 | 0.012               | 1.4                 | 0.0055                | 0.044               | 0.0012             | 0.0007            | 0.014            |
| Aug 2021 | 126                              | 14                | 51                 | 3.7                 | 6.2                 | 22               | 20                 | 0.012               | 1.2                 | 0.0057                | 0.044               | 0.0012             | 0.00065           | 0.013            |
| Sep 2021 | 123                              | 13                | 49                 | 3.6                 | 6.0                 | 22               | 20                 | 0.012               | 1.2                 | 0.0059                | 0.044               | 0.0011             | 0.00064           | 0.013            |
| Oct 2021 | 129                              | 14                | 52                 | 3.8                 | 6.3                 | 23               | 21                 | 0.013               | 1.2                 | 0.0062                | 0.047               | 0.0012             | 0.00067           | 0.014            |
| Nov 2021 | 149                              | 16                | 60                 | 4.4                 | 7.3                 | 26               | 24                 | 0.014               | 1.4                 | 0.0069                | 0.052               | 0.0014             | 0.00077           | 0.016            |
| Dec 2021 | 175                              | 19                | 70                 | 5.2                 | 8.6                 | 31               | 29                 | 0.016               | 1.7                 | 0.0078                | 0.06                | 0.0016             | 0.00089           | 0.019            |
| Jan 2022 | 201                              | 22                | 81                 | 5.9                 | 9.8                 | 35               | 33                 | 0.018               | 2.0                 | 0.0087                | 0.067               | 0.0018             | 0.001             | 0.021            |
| Feb 2022 | 208                              | 23                | 84                 | 6.1                 | 10                  | 37               | 34                 | 0.019               | 2.0                 | 0.009                 | 0.069               | 0.0019             | 0.0011            | 0.022            |
| Mar 2022 | 212                              | 23                | 85                 | 6.2                 | 10                  | 37               | 35                 | 0.019               | 2.1                 | 0.009                 | 0.07                | 0.0019             | 0.0011            | 0.022            |
| Apr 2022 | 209                              | 23                | 84                 | 6.2                 | 10                  | 37               | 34                 | 0.019               | 2.0                 | 0.0088                | 0.069               | 0.0019             | 0.0011            | 0.022            |
| May 2022 | 180                              | 20                | 73                 | 5.3                 | 8.8                 | 32               | 29                 | 0.016               | 1.8                 | 0.0075                | 0.059               | 0.0016             | 0.0009            | 0.019            |
| Jun 2022 | 151                              | 17                | 61                 | 4.4                 | 7.4                 | 27               | 25                 | 0.011               | 1.5                 | 0.0057                | 0.047               | 0.0013             | 0.00074           | 0.015            |

**Table 8F3-1 Predicted Slipper Lake Water Quality  
Part A**

| Month    | Total Dissolved Solids<br>(mg/L) | Calcium<br>(mg/L) | Chloride<br>(mg/L) | Magnesium<br>(mg/L) | Potassium<br>(mg/L) | Sodium<br>(mg/L) | Sulphate<br>(mg/L) | Ammonia<br>(mg N/L) | Nitrate<br>(mg N/L) | Phosphate<br>(mg P/L) | Aluminium<br>(mg/L) | Antimony<br>(mg/L) | Arsenic<br>(mg/L) | Barium<br>(mg/L) |
|----------|----------------------------------|-------------------|--------------------|---------------------|---------------------|------------------|--------------------|---------------------|---------------------|-----------------------|---------------------|--------------------|-------------------|------------------|
| Jul 2022 | 130                              | 14                | 53                 | 3.9                 | 6.4                 | 23               | 21                 | 0.0097              | 1.3                 | 0.0053                | 0.043               | 0.0012             | 0.00064           | 0.014            |
| Aug 2022 | 118                              | 13                | 48                 | 3.6                 | 5.8                 | 21               | 19                 | 0.010               | 1.1                 | 0.0055                | 0.043               | 0.0011             | 0.0006            | 0.013            |
| Sep 2022 | 115                              | 13                | 46                 | 3.5                 | 5.6                 | 20               | 19                 | 0.01                | 1.1                 | 0.0057                | 0.044               | 0.0011             | 0.00059           | 0.013            |
| Oct 2022 | 120                              | 13                | 48                 | 3.6                 | 5.9                 | 21               | 20                 | 0.011               | 1.2                 | 0.006                 | 0.046               | 0.0012             | 0.00062           | 0.013            |
| Nov 2022 | 137                              | 15                | 55                 | 4.2                 | 6.8                 | 24               | 23                 | 0.012               | 1.3                 | 0.0067                | 0.052               | 0.0013             | 0.0007            | 0.015            |
| Dec 2022 | 161                              | 18                | 65                 | 4.9                 | 7.9                 | 28               | 27                 | 0.014               | 1.6                 | 0.0076                | 0.059               | 0.0015             | 0.00081           | 0.018            |
| Jan 2023 | 184                              | 20                | 74                 | 5.6                 | 9.0                 | 32               | 30                 | 0.015               | 1.8                 | 0.0085                | 0.066               | 0.0017             | 0.00093           | 0.02             |
| Feb 2023 | 191                              | 21                | 77                 | 5.8                 | 9.4                 | 33               | 32                 | 0.016               | 1.9                 | 0.0087                | 0.068               | 0.0018             | 0.00096           | 0.021            |
| Mar 2023 | 194                              | 21                | 78                 | 5.9                 | 9.5                 | 34               | 32                 | 0.016               | 1.9                 | 0.0088                | 0.069               | 0.0018             | 0.00097           | 0.021            |
| Apr 2023 | 191                              | 21                | 77                 | 5.8                 | 9.4                 | 33               | 32                 | 0.015               | 1.9                 | 0.0086                | 0.068               | 0.0018             | 0.00096           | 0.021            |
| May 2023 | 164                              | 18                | 66                 | 5.0                 | 8.1                 | 29               | 27                 | 0.013               | 1.6                 | 0.0073                | 0.058               | 0.0015             | 0.00082           | 0.018            |
| Jun 2023 | 135                              | 15                | 55                 | 4.0                 | 6.6                 | 24               | 22                 | 0.0096              | 1.3                 | 0.0056                | 0.046               | 0.0012             | 0.00066           | 0.014            |
| Jul 2023 | 113                              | 13                | 46                 | 3.4                 | 5.6                 | 20               | 19                 | 0.0087              | 1.1                 | 0.0052                | 0.042               | 0.0011             | 0.00057           | 0.012            |
| Aug 2023 | 102                              | 11                | 41                 | 3.2                 | 5.0                 | 18               | 17                 | 0.0092              | 0.98                | 0.0054                | 0.042               | 0.001              | 0.00053           | 0.012            |
| Sep 2023 | 99                               | 11                | 39                 | 3.1                 | 4.9                 | 17               | 16                 | 0.0095              | 0.94                | 0.0056                | 0.043               | 0.001              | 0.00052           | 0.012            |
| Oct 2023 | 102                              | 11                | 41                 | 3.2                 | 5.1                 | 17               | 17                 | 0.01                | 0.98                | 0.0059                | 0.045               | 0.0011             | 0.00054           | 0.012            |
| Nov 2023 | 117                              | 13                | 47                 | 3.7                 | 5.8                 | 20               | 19                 | 0.011               | 1.1                 | 0.0065                | 0.05                | 0.0012             | 0.00062           | 0.014            |
| Dec 2023 | 137                              | 15                | 55                 | 4.3                 | 6.8                 | 23               | 23                 | 0.013               | 1.3                 | 0.0074                | 0.057               | 0.0014             | 0.00071           | 0.016            |
| Jan 2024 | 156                              | 17                | 62                 | 4.9                 | 7.7                 | 27               | 26                 | 0.014               | 1.5                 | 0.0083                | 0.064               | 0.0016             | 0.00081           | 0.018            |
| Feb 2024 | 162                              | 18                | 65                 | 5.0                 | 8.0                 | 28               | 27                 | 0.015               | 1.6                 | 0.0085                | 0.066               | 0.0016             | 0.00084           | 0.019            |
| Mar 2024 | 164                              | 18                | 66                 | 5.1                 | 8.1                 | 28               | 27                 | 0.015               | 1.6                 | 0.0086                | 0.067               | 0.0016             | 0.00085           | 0.019            |
| Apr 2024 | 162                              | 18                | 65                 | 5.0                 | 8.0                 | 28               | 27                 | 0.015               | 1.6                 | 0.0084                | 0.066               | 0.0016             | 0.00084           | 0.019            |
| May 2024 | 140                              | 16                | 56                 | 4.3                 | 6.9                 | 24               | 23                 | 0.012               | 1.3                 | 0.0072                | 0.056               | 0.0014             | 0.00072           | 0.016            |
| Jun 2024 | 113                              | 13                | 46                 | 3.5                 | 5.6                 | 19               | 19                 | 0.0093              | 1.1                 | 0.0055                | 0.045               | 0.0011             | 0.00058           | 0.013            |
| Jul 2024 | 93                               | 10                | 37                 | 2.9                 | 4.6                 | 16               | 16                 | 0.0084              | 0.9                 | 0.0051                | 0.041               | 0.00096            | 0.00049           | 0.011            |
| Aug 2024 | 84                               | 9.3               | 33                 | 2.7                 | 4.2                 | 14               | 14                 | 0.009               | 0.79                | 0.0053                | 0.041               | 0.00092            | 0.00046           | 0.01             |
| Sep 2024 | 81                               | 8.9               | 32                 | 2.6                 | 4.0                 | 14               | 13                 | 0.0093              | 0.76                | 0.0055                | 0.041               | 0.00091            | 0.00046           | 0.01             |
| Oct 2024 | 83                               | 9.2               | 32                 | 2.7                 | 4.2                 | 14               | 14                 | 0.0099              | 0.78                | 0.0058                | 0.043               | 0.00094            | 0.00047           | 0.011            |
| Nov 2024 | 95                               | 10                | 37                 | 3.1                 | 4.8                 | 16               | 16                 | 0.011               | 0.89                | 0.0064                | 0.048               | 0.0011             | 0.00053           | 0.012            |
| Dec 2024 | 111                              | 12                | 43                 | 3.6                 | 5.5                 | 19               | 19                 | 0.013               | 1.0                 | 0.0073                | 0.055               | 0.0012             | 0.00062           | 0.014            |
| Jan 2025 | 126                              | 14                | 49                 | 4.1                 | 6.3                 | 21               | 21                 | 0.014               | 1.2                 | 0.0082                | 0.062               | 0.0014             | 0.0007            | 0.016            |
| Feb 2025 | 131                              | 14                | 51                 | 4.2                 | 6.6                 | 22               | 22                 | 0.015               | 1.2                 | 0.0084                | 0.064               | 0.0014             | 0.00073           | 0.017            |
| Mar 2025 | 133                              | 15                | 52                 | 4.3                 | 6.7                 | 22               | 22                 | 0.015               | 1.3                 | 0.0085                | 0.065               | 0.0014             | 0.00073           | 0.017            |
| Apr 2025 | 131                              | 15                | 51                 | 4.2                 | 6.6                 | 22               | 22                 | 0.014               | 1.2                 | 0.0083                | 0.064               | 0.0014             | 0.00072           | 0.017            |
| May 2025 | 113                              | 13                | 44                 | 3.6                 | 5.7                 | 19               | 19                 | 0.012               | 1.1                 | 0.0071                | 0.054               | 0.0012             | 0.00062           | 0.014            |
| Jun 2025 | 91                               | 10                | 36                 | 2.9                 | 4.5                 | 15               | 15                 | 0.0092              | 0.86                | 0.0054                | 0.043               | 0.00098            | 0.00049           | 0.011            |
| Jul 2025 | 74                               | 8.2               | 29                 | 2.4                 | 3.8                 | 13               | 12                 | 0.0084              | 0.7                 | 0.005                 | 0.039               | 0.00085            | 0.00042           | 0.0094           |
| Aug 2025 | 67                               | 7.4               | 26                 | 2.2                 | 3.4                 | 11               | 11                 | 0.009               | 0.62                | 0.0053                | 0.04                | 0.00082            | 0.0004            | 0.009            |

**Table 8F3-1 Predicted Slipper Lake Water Quality  
Part A**

| Month    | Total Dissolved Solids<br>(mg/L) | Calcium<br>(mg/L) | Chloride<br>(mg/L) | Magnesium<br>(mg/L) | Potassium<br>(mg/L) | Sodium<br>(mg/L) | Sulphate<br>(mg/L) | Ammonia<br>(mg N/L) | Nitrate<br>(mg N/L) | Phosphate<br>(mg P/L) | Aluminium<br>(mg/L) | Antimony<br>(mg/L) | Arsenic<br>(mg/L) | Barium<br>(mg/L) |
|----------|----------------------------------|-------------------|--------------------|---------------------|---------------------|------------------|--------------------|---------------------|---------------------|-----------------------|---------------------|--------------------|-------------------|------------------|
| Sep 2025 | 65                               | 7.1               | 24                 | 2.2                 | 3.3                 | 11               | 11                 | 0.0094              | 0.59                | 0.0055                | 0.04                | 0.00081            | 0.0004            | 0.009            |
| Oct 2025 | 67                               | 7.3               | 25                 | 2.3                 | 3.4                 | 11               | 11                 | 0.0099              | 0.61                | 0.0058                | 0.042               | 0.00085            | 0.00042           | 0.0095           |
| Nov 2025 | 76                               | 8.3               | 29                 | 2.6                 | 3.9                 | 12               | 13                 | 0.011               | 0.69                | 0.0064                | 0.047               | 0.00095            | 0.00047           | 0.011            |
| Dec 2025 | 88                               | 9.7               | 33                 | 3.0                 | 4.5                 | 15               | 15                 | 0.013               | 0.81                | 0.0073                | 0.054               | 0.0011             | 0.00054           | 0.012            |
| Jan 2026 | 101                              | 11                | 38                 | 3.4                 | 5.2                 | 17               | 17                 | 0.014               | 0.93                | 0.0082                | 0.061               | 0.0012             | 0.00061           | 0.014            |
| Feb 2026 | 105                              | 11                | 40                 | 3.5                 | 5.4                 | 17               | 18                 | 0.015               | 0.96                | 0.0084                | 0.062               | 0.0013             | 0.00063           | 0.015            |
| Mar 2026 | 106                              | 12                | 40                 | 3.6                 | 5.4                 | 17               | 18                 | 0.015               | 0.98                | 0.0084                | 0.063               | 0.0013             | 0.00064           | 0.015            |
| Apr 2026 | 105                              | 12                | 40                 | 3.5                 | 5.4                 | 17               | 18                 | 0.014               | 0.97                | 0.0083                | 0.062               | 0.0013             | 0.00063           | 0.015            |
| May 2026 | 90                               | 9.9               | 34                 | 3.0                 | 4.6                 | 15               | 15                 | 0.012               | 0.83                | 0.0071                | 0.053               | 0.0011             | 0.00054           | 0.013            |
| Jun 2026 | 72                               | 7.9               | 28                 | 2.4                 | 3.7                 | 12               | 12                 | 0.0092              | 0.67                | 0.0054                | 0.042               | 0.00087            | 0.00043           | 0.0097           |
| Jul 2026 | 59                               | 6.5               | 22                 | 2.0                 | 3.1                 | 9.8              | 10                 | 0.0084              | 0.55                | 0.005                 | 0.038               | 0.00077            | 0.00037           | 0.0082           |
| Aug 2026 | 53                               | 5.8               | 20                 | 1.9                 | 2.8                 | 8.7              | 9.1                | 0.009               | 0.48                | 0.0053                | 0.039               | 0.00074            | 0.00036           | 0.008            |
| Sep 2026 | 52                               | 5.6               | 19                 | 1.8                 | 2.7                 | 8.3              | 8.8                | 0.0094              | 0.46                | 0.0055                | 0.039               | 0.00074            | 0.00036           | 0.0081           |
| Oct 2026 | 53                               | 5.8               | 19                 | 1.9                 | 2.8                 | 8.5              | 9.2                | 0.0099              | 0.47                | 0.0058                | 0.041               | 0.00077            | 0.00037           | 0.0085           |
| Nov 2026 | 61                               | 6.6               | 22                 | 2.2                 | 3.2                 | 9.7              | 10                 | 0.011               | 0.54                | 0.0064                | 0.046               | 0.00086            | 0.00042           | 0.0096           |
| Dec 2026 | 71                               | 7.7               | 26                 | 2.5                 | 3.7                 | 11               | 12                 | 0.013               | 0.63                | 0.0073                | 0.053               | 0.00099            | 0.00048           | 0.011            |
| Jan 2027 | 81                               | 8.8               | 29                 | 2.9                 | 4.2                 | 13               | 14                 | 0.014               | 0.72                | 0.0082                | 0.059               | 0.0011             | 0.00054           | 0.013            |
| Feb 2027 | 84                               | 9.1               | 31                 | 2.9                 | 4.4                 | 13               | 14                 | 0.015               | 0.75                | 0.0084                | 0.061               | 0.0012             | 0.00056           | 0.013            |
| Mar 2027 | 85                               | 9.2               | 31                 | 3.0                 | 4.5                 | 14               | 15                 | 0.015               | 0.76                | 0.0084                | 0.061               | 0.0012             | 0.00057           | 0.013            |
| Apr 2027 | 84                               | 9.1               | 31                 | 2.9                 | 4.4                 | 14               | 14                 | 0.014               | 0.75                | 0.0083                | 0.06                | 0.0012             | 0.00056           | 0.013            |
| May 2027 | 72                               | 7.8               | 26                 | 2.5                 | 3.8                 | 12               | 12                 | 0.012               | 0.65                | 0.007                 | 0.052               | 0.00099            | 0.00048           | 0.011            |
| Jun 2027 | 58                               | 6.3               | 21                 | 2.0                 | 3.0                 | 9.4              | 9.8                | 0.0092              | 0.52                | 0.0054                | 0.041               | 0.00079            | 0.00038           | 0.0086           |
| Jul 2027 | 48                               | 5.2               | 17                 | 1.7                 | 2.5                 | 7.8              | 8.2                | 0.0084              | 0.43                | 0.005                 | 0.038               | 0.0007             | 0.00033           | 0.0074           |
| Aug 2027 | 44                               | 4.7               | 16                 | 1.6                 | 2.4                 | 7.0              | 7.6                | 0.009               | 0.38                | 0.0053                | 0.038               | 0.00069            | 0.00033           | 0.0073           |
| Sep 2027 | 43                               | 4.6               | 15                 | 1.6                 | 2.3                 | 6.7              | 7.4                | 0.0094              | 0.37                | 0.0055                | 0.039               | 0.00069            | 0.00033           | 0.0074           |
| Oct 2027 | 45                               | 4.8               | 15                 | 1.7                 | 2.4                 | 7.0              | 7.8                | 0.010               | 0.38                | 0.0058                | 0.041               | 0.00072            | 0.00034           | 0.0078           |
| Nov 2027 | 51                               | 5.4               | 18                 | 1.9                 | 2.8                 | 8.0              | 8.9                | 0.011               | 0.44                | 0.0064                | 0.045               | 0.00081            | 0.00038           | 0.0089           |
| Dec 2027 | 60                               | 6.3               | 21                 | 2.2                 | 3.2                 | 9.4              | 10                 | 0.013               | 0.52                | 0.0073                | 0.052               | 0.00093            | 0.00044           | 0.01             |
| Jan 2028 | 68                               | 7.2               | 23.7               | 2.5                 | 3.7                 | 10.75            | 11.9               | 0.014               | 0.59                | 0.0082                | 0.058               | 0.00105            | 0.0005            | 0.012            |
| Feb 2028 | 71                               | 7.5               | 24.6               | 2.6                 | 3.8                 | 11.16            | 12.3               | 0.015               | 0.62                | 0.0084                | 0.06                | 0.00109            | 0.00052           | 0.012            |
| Mar 2028 | 72                               | 7.6               | 25.1               | 2.6                 | 3.9                 | 11.36            | 12.5               | 0.015               | 0.63                | 0.0084                | 0.06                | 0.0011             | 0.00053           | 0.012            |
| Apr 2028 | 71                               | 7.6               | 24.9               | 2.6                 | 3.9                 | 11.27            | 12.4               | 0.015               | 0.62                | 0.0083                | 0.06                | 0.00109            | 0.00052           | 0.012            |
| May 2028 | 61                               | 6.5               | 21.51              | 2.23                | 3.3                 | 9.75             | 10.7               | 0.012               | 0.54                | 0.0071                | 0.051               | 0.00093            | 0.00045           | 0.0103           |
| Jun 2028 | 51.1                             | 5.3               | 18.09              | 1.8                 | 2.78                | 8.31             | 8.9                | 0.0094              | 0.46                | 0.0054                | 0.041               | 0.00076            | 0.00036           | 0.0081           |
| Jul 2028 | 46.0                             | 4.6               | 16.09              | 1.59                | 2.5                 | 7.61             | 8.0                | 0.0086              | 0.42                | 0.005                 | 0.037               | 0.0007             | 0.00033           | 0.007            |
| Aug 2028 | 43                               | 4.3               | 14.7               | 1.53                | 2.4                 | 7.07             | 7.6                | 0.0091              | 0.39                | 0.0053                | 0.038               | 0.00069            | 0.00033           | 0.007            |
| Sep 2028 | 43                               | 4.2               | 14.39              | 1.53                | 2.4                 | 6.98             | 7.6                | 0.0095              | 0.38                | 0.0055                | 0.039               | 0.0007             | 0.00033           | 0.0072           |
| Oct 2028 | 46                               | 4.5               | 15.16              | 1.62                | 2.6                 | 7.42             | 8                  | 0.01                | 0.41                | 0.0058                | 0.041               | 0.00074            | 0.00035           | 0.0076           |

**Table 8F3-1 Predicted Slipper Lake Water Quality  
Part A**

| Month    | Total Dissolved Solids<br>(mg/L) | Calcium<br>(mg/L) | Chloride<br>(mg/L) | Magnesium<br>(mg/L) | Potassium<br>(mg/L) | Sodium<br>(mg/L) | Sulphate<br>(mg/L) | Ammonia<br>(mg N/L) | Nitrate<br>(mg N/L) | Phosphate<br>(mg P/L) | Aluminium<br>(mg/L) | Antimony<br>(mg/L) | Arsenic<br>(mg/L) | Barium<br>(mg/L) |
|----------|----------------------------------|-------------------|--------------------|---------------------|---------------------|------------------|--------------------|---------------------|---------------------|-----------------------|---------------------|--------------------|-------------------|------------------|
| Nov 2028 | 53                               | 5.1               | 17.58              | 1.8                 | 3.0                 | 8.65             | 9                  | 0.011               | 0.48                | 0.0064                | 0.045               | 0.00083            | 0.0004            | 0.009            |
| Dec 2028 | 62                               | 6.0               | 20.8               | 2.2                 | 3.5                 | 10.27            | 11                 | 0.013               | 0.57                | 0.0072                | 0.052               | 0.00096            | 0.00046           | 0.01             |
| Jan 2029 | 72                               | 6.9               | 24.0               | 2.5                 | 4.0                 | 11.84            | 13                 | 0.014               | 0.65                | 0.0081                | 0.058               | 0.00109            | 0.00053           | 0.011            |
| Feb 2029 | 75                               | 7.2               | 25.0               | 2.6                 | 4.2                 | 12.36            | 13                 | 0.015               | 0.68                | 0.0083                | 0.06                | 0.00113            | 0.00055           | 0.012            |
| Mar 2029 | 76                               | 7.3               | 25.5               | 2.6                 | 4.3                 | 12.61            | 14                 | 0.015               | 0.7                 | 0.0084                | 0.061               | 0.00115            | 0.00055           | 0.012            |
| Apr 2029 | 75                               | 7.3               | 25.3               | 2.6                 | 4.2                 | 12.52            | 13                 | 0.015               | 0.69                | 0.0083                | 0.06                | 0.00113            | 0.00055           | 0.012            |
| May 2029 | 65                               | 6.3               | 22.02              | 2.2                 | 3.7                 | 10.9             | 12                 | 0.013               | 0.6                 | 0.007                 | 0.051               | 0.00097            | 0.00047           | 0.01             |
| Jun 2029 | 57                               | 5.3               | 19.38              | 1.84                | 3.2                 | 9.76             | 10                 | 0.0096              | 0.54                | 0.0054                | 0.041               | 0.00081            | 0.00039           | 0.0081           |
| Jul 2029 | 54                               | 4.8               | 18.26              | 1.68                | 3.1                 | 9.48             | 10                 | 0.0087              | 0.52                | 0.005                 | 0.038               | 0.00077            | 0.00037           | 0.0073           |
| Aug 2029 | 51                               | 4.5               | 16.91              | 1.63                | 2.9                 | 8.91             | 9                  | 0.0092              | 0.49                | 0.0053                | 0.039               | 0.00076            | 0.00037           | 0.0073           |
| Sep 2029 | 51                               | 4.5               | 16.67              | 1.63                | 2.9                 | 8.84             | 9                  | 0.0096              | 0.49                | 0.0054                | 0.039               | 0.00077            | 0.00037           | 0.0074           |
| Oct 2029 | 54                               | 4.7               | 17.68              | 1.73                | 3.1                 | 9.45             | 10                 | 0.01                | 0.52                | 0.0058                | 0.041               | 0.00081            | 0.00039           | 0.0079           |
| Nov 2029 | 63                               | 5.5               | 20.6               | 2.0                 | 3.6                 | 11.03            | 11                 | 0.011               | 0.61                | 0.0064                | 0.046               | 0.00092            | 0.00045           | 0.009            |
| Dec 2029 | 74                               | 6.4               | 24.4               | 2.3                 | 4.3                 | 13.11            | 13                 | 0.013               | 0.72                | 0.0072                | 0.053               | 0.00107            | 0.00052           | 0.01             |
| Jan 2030 | 86                               | 7.4               | 28.1               | 2.7                 | 5.0                 | 15.1             | 16                 | 0.014               | 0.83                | 0.0081                | 0.06                | 0.00122            | 0.0006            | 0.012            |
| Feb 2030 | 89                               | 7.7               | 29.4               | 2.8                 | 5.2                 | 15.8             | 16                 | 0.015               | 0.87                | 0.0083                | 0.062               | 0.00126            | 0.00062           | 0.012            |
| Mar 2030 | 91                               | 7.8               | 30.0               | 2.8                 | 5.3                 | 16.1             | 16                 | 0.015               | 0.89                | 0.0084                | 0.062               | 0.00127            | 0.00063           | 0.013            |
| Apr 2030 | 90                               | 7.8               | 29.7               | 2.8                 | 5.2                 | 16.0             | 16                 | 0.015               | 0.88                | 0.0083                | 0.061               | 0.00126            | 0.00062           | 0.012            |
| May 2030 | 78                               | 6.7               | 25.8               | 2.4                 | 4.5                 | 13.93            | 14                 | 0.013               | 0.77                | 0.007                 | 0.052               | 0.00109            | 0.00054           | 0.011            |
| Jun 2030 | 68                               | 5.7               | 22.8               | 2.0                 | 4.0                 | 12.42            | 12                 | 0.01                | 0.69                | 0.0054                | 0.042               | 0.00091            | 0.00045           | 0.0086           |
| Jul 2030 | 64                               | 5.2               | 21.3               | 1.8                 | 3.8                 | 11.9             | 12                 | 0.009               | 0.66                | 0.005                 | 0.039               | 0.00086            | 0.00043           | 0.0077           |
| Aug 2030 | 60                               | 4.9               | 19.7               | 1.8                 | 3.5                 | 11.1             | 11                 | 0.009               | 0.61                | 0.0053                | 0.04                | 0.00085            | 0.00041           | 0.0076           |
| Sep 2030 | 60                               | 4.8               | 19.3               | 1.8                 | 3.5                 | 10.9             | 11                 | 0.01                | 0.6                 | 0.0054                | 0.041               | 0.00085            | 0.00042           | 0.0078           |
| Oct 2030 | 64                               | 5.1               | 20.4               | 1.9                 | 3.7                 | 11.6             | 12                 | 0.01                | 0.64                | 0.0057                | 0.043               | 0.0009             | 0.00044           | 0.0083           |
| Nov 2030 | 74                               | 5.9               | 23.7               | 2.1                 | 4.3                 | 13.5             | 13                 | 0.011               | 0.74                | 0.0064                | 0.048               | 0.00102            | 0.0005            | 0.009            |
| Dec 2030 | 87                               | 6.9               | 28.1               | 2.5                 | 5.1                 | 16.0             | 16                 | 0.013               | 0.88                | 0.0072                | 0.055               | 0.00118            | 0.00059           | 0.011            |
| Jan 2031 | 100                              | 7.9               | 32.3               | 2.9                 | 5.9                 | 18.5             | 18                 | 0.014               | 1.02                | 0.0081                | 0.062               | 0.0013             | 0.00067           | 0.013            |
| Feb 2031 | 104                              | 8.3               | 33.7               | 3.0                 | 6.2                 | 19.3             | 19                 | 0.015               | 1.06                | 0.0083                | 0.064               | 0.0014             | 0.00069           | 0.013            |
| Mar 2031 | 106                              | 8.4               | 34.4               | 3.0                 | 6.3                 | 19.7             | 19                 | 0.015               | 1.09                | 0.0084                | 0.064               | 0.0014             | 0.0007            | 0.013            |
| Apr 2031 | 105                              | 8.3               | 34.1               | 3.0                 | 6.2                 | 19.5             | 19                 | 0.015               | 1.1                 | 0.0082                | 0.063               | 0.0014             | 0.0007            | 0.013            |
| May 2031 | 91                               | 7.2               | 29.6               | 2.6                 | 5.4                 | 16.9             | 17                 | 0.013               | 0.94                | 0.007                 | 0.054               | 0.0012             | 0.0006            | 0.011            |
| Jun 2031 | 79                               | 6.1               | 25.8               | 2.1                 | 4.7                 | 14.9             | 14                 | 0.01                | 0.82                | 0.0054                | 0.044               | 0.001              | 0.0005            | 0.009            |
| Jul 2031 | 73                               | 5.5               | 23.7               | 1.9                 | 4.3                 | 13.9             | 13                 | 0.009               | 0.77                | 0.005                 | 0.041               | 0.0009             | 0.00047           | 0.008            |
| Aug 2031 | 68                               | 5.1               | 21.7               | 1.9                 | 4.0                 | 12.8             | 12                 | 0.009               | 0.71                | 0.0053                | 0.041               | 0.0009             | 0.00045           | 0.008            |
| Sep 2031 | 67                               | 5.0               | 21.2               | 1.9                 | 4.0                 | 12.6             | 12                 | 0.01                | 0.7                 | 0.0054                | 0.042               | 0.0009             | 0.00045           | 0.008            |
| Oct 2031 | 70                               | 5.3               | 22.3               | 2.0                 | 4.2                 | 13.3             | 13                 | 0.01                | 0.74                | 0.0057                | 0.044               | 0.001              | 0.00048           | 0.009            |
| Nov 2031 | 81                               | 6.1               | 25.8               | 2.3                 | 4.9                 | 15.4             | 15                 | 0.011               | 0.85                | 0.0064                | 0.049               | 0.0011             | 0.00055           | 0.01             |
| Dec 2031 | 96                               | 7.2               | 30.5               | 2.6                 | 5.8                 | 18.3             | 18                 | 0.013               | 1.0                 | 0.0072                | 0.056               | 0.0013             | 0.00064           | 0.011            |

**Table 8F3-1 Predicted Slipper Lake Water Quality  
Part A**

| Month    | Total Dissolved Solids<br>(mg/L) | Calcium<br>(mg/L) | Chloride<br>(mg/L) | Magnesium<br>(mg/L) | Potassium<br>(mg/L) | Sodium<br>(mg/L) | Sulphate<br>(mg/L) | Ammonia<br>(mg N/L) | Nitrate<br>(mg N/L) | Phosphate<br>(mg P/L) | Aluminium<br>(mg/L) | Antimony<br>(mg/L) | Arsenic<br>(mg/L) | Barium<br>(mg/L) |
|----------|----------------------------------|-------------------|--------------------|---------------------|---------------------|------------------|--------------------|---------------------|---------------------|-----------------------|---------------------|--------------------|-------------------|------------------|
| Jan 2032 | 110                              | 8.2               | 35                 | 3.0                 | 6.6                 | 21               | 20                 | 0.014               | 1.2                 | 0.0081                | 0.064               | 0.0015             | 0.00073           | 0.013            |
| Feb 2032 | 115                              | 8.5               | 37                 | 3.1                 | 6.9                 | 22               | 21                 | 0.015               | 1.2                 | 0.0083                | 0.066               | 0.0015             | 0.00076           | 0.014            |
| Mar 2032 | 117                              | 8.7               | 37                 | 3.2                 | 7.0                 | 22               | 22                 | 0.015               | 1.2                 | 0.0084                | 0.067               | 0.0015             | 0.00077           | 0.014            |
| Apr 2032 | 116                              | 8.6               | 37                 | 3.2                 | 7.0                 | 22               | 22                 | 0.015               | 1.2                 | 0.0083                | 0.066               | 0.0015             | 0.00076           | 0.014            |
| May 2032 | 101                              | 7.5               | 32.3               | 2.7                 | 6.1                 | 19.4             | 19                 | 0.013               | 1.1                 | 0.0071                | 0.057               | 0.0013             | 0.00066           | 0.012            |
| Jun 2032 | 86                               | 6.3               | 27.8               | 2.3                 | 5.2                 | 16.8             | 16                 | 0.01                | 0.9                 | 0.0054                | 0.046               | 0.0011             | 0.00055           | 0.009            |
| Jul 2032 | 78                               | 5.5               | 24.9               | 2.0                 | 4.7                 | 15.2             | 14                 | 0.009               | 0.85                | 0.005                 | 0.042               | 0.001              | 0.0005            | 0.008            |
| Aug 2032 | 71                               | 5.1               | 22.5               | 1.9                 | 4.3                 | 13.9             | 13                 | 0.009               | 0.77                | 0.0053                | 0.042               | 0.001              | 0.00048           | 0.008            |
| Sep 2032 | 70                               | 5.0               | 21.9               | 1.9                 | 4.3                 | 13.6             | 13                 | 0.01                | 0.75                | 0.0054                | 0.043               | 0.001              | 0.00048           | 0.008            |
| Oct 2032 | 74                               | 5.2               | 22.9               | 2.0                 | 4.5                 | 14.2             | 14                 | 0.01                | 0.79                | 0.0057                | 0.045               | 0.001              | 0.0005            | 0.009            |
| Nov 2032 | 85                               | 6.0               | 26.4               | 2.3                 | 5.2                 | 16.5             | 16                 | 0.011               | 0.91                | 0.0063                | 0.051               | 0.0012             | 0.00057           | 0.01             |
| Dec 2032 | 100                              | 7.1               | 31.2               | 2.7                 | 6.1                 | 19.5             | 19                 | 0.013               | 1.1                 | 0.0072                | 0.058               | 0.0013             | 0.00067           | 0.012            |
| Jan 2033 | 115                              | 8.1               | 36                 | 3.1                 | 7.0                 | 22.5             | 22                 | 0.014               | 1.2                 | 0.0081                | 0.066               | 0.0015             | 0.00076           | 0.013            |
| Feb 2033 | 120                              | 8.5               | 38                 | 3.2                 | 7.4                 | 23.5             | 23                 | 0.015               | 1.3                 | 0.0083                | 0.068               | 0.0016             | 0.00079           | 0.014            |
| Mar 2033 | 122                              | 8.6               | 38                 | 3.2                 | 7.5                 | 23.9             | 23                 | 0.015               | 1.3                 | 0.0084                | 0.068               | 0.0016             | 0.00081           | 0.014            |
| Apr 2033 | 122                              | 8.5               | 38                 | 3.2                 | 7.4                 | 23.8             | 23                 | 0.015               | 1.3                 | 0.0083                | 0.068               | 0.0016             | 0.0008            | 0.014            |
| May 2033 | 106                              | 7.4               | 33.1               | 2.8                 | 6.5                 | 20.7             | 20                 | 0.013               | 1.15                | 0.0071                | 0.058               | 0.0014             | 0.00069           | 0.012            |
| Jun 2033 | 90                               | 6.2               | 28.4               | 2.3                 | 5.5                 | 17.9             | 17                 | 0.01                | 1.0                 | 0.0054                | 0.047               | 0.00115            | 0.00058           | 0.01             |
| Jul 2033 | 80                               | 5.4               | 25.3               | 2.0                 | 5.0                 | 16.1             | 15                 | 0.009               | 0.9                 | 0.005                 | 0.043               | 0.00105            | 0.00052           | 0.008            |
| Aug 2033 | 74                               | 5.0               | 22.9               | 1.9                 | 4.6                 | 14.7             | 14                 | 0.009               | 0.82                | 0.0053                | 0.043               | 0.00101            | 0.0005            | 0.008            |
| Sep 2033 | 73                               | 4.9               | 22.2               | 1.9                 | 4.5                 | 14.3             | 14                 | 0.01                | 0.8                 | 0.0054                | 0.044               | 0.0010             | 0.0005            | 0.008            |
| Oct 2033 | 76                               | 5.1               | 23.2               | 2.0                 | 4.7                 | 15.0             | 14                 | 0.01                | 0.83                | 0.0057                | 0.046               | 0.0011             | 0.00052           | 0.009            |
| Nov 2033 | 88                               | 5.9               | 27                 | 2.3                 | 5.4                 | 17.3             | 17                 | 0.011               | 0.97                | 0.0063                | 0.052               | 0.0012             | 0.0006            | 0.01             |
| Dec 2033 | 103                              | 6.9               | 32                 | 2.7                 | 6.4                 | 20.5             | 20                 | 0.013               | 1.14                | 0.0072                | 0.059               | 0.0014             | 0.00069           | 0.012            |
| Jan 2034 | 119                              | 7.9               | 36                 | 3.1                 | 7.4                 | 24               | 23                 | 0.014               | 1.3                 | 0.0081                | 0.067               | 0.0016             | 0.00079           | 0.013            |
| Feb 2034 | 124                              | 8.3               | 38                 | 3.2                 | 7.7                 | 25               | 24                 | 0.015               | 1.4                 | 0.0083                | 0.069               | 0.0016             | 0.00083           | 0.014            |
| Mar 2034 | 126                              | 8.4               | 39                 | 3.3                 | 7.8                 | 25               | 24                 | 0.015               | 1.4                 | 0.0084                | 0.07                | 0.0017             | 0.00084           | 0.014            |
| Apr 2034 | 125                              | 8.4               | 38                 | 3.3                 | 7.8                 | 25               | 24                 | 0.015               | 1.4                 | 0.0083                | 0.069               | 0.0017             | 0.00083           | 0.014            |
| May 2034 | 109                              | 7.2               | 33                 | 2.8                 | 6.8                 | 21.7             | 21                 | 0.013               | 1.21                | 0.0071                | 0.06                | 0.0014             | 0.00072           | 0.012            |
| Jun 2034 | 92                               | 6.0               | 29                 | 2.3                 | 5.8                 | 18.7             | 18                 | 0.01                | 1.05                | 0.0054                | 0.048               | 0.0012             | 0.0006            | 0.01             |
| Jul 2034 | 82                               | 5.3               | 25                 | 2.1                 | 5.2                 | 17               | 16                 | 0.009               | 0.9                 | 0.005                 | 0.044               | 0.0011             | 0.00054           | 0.008            |
| Aug 2034 | 75                               | 4.9               | 23                 | 2.0                 | 4.7                 | 15               | 14                 | 0.009               | 0.9                 | 0.0053                | 0.044               | 0.001              | 0.00052           | 0.008            |
| Sep 2034 | 74                               | 5                 | 22                 | 1.9                 | 4.7                 | 15               | 14                 | 0.01                | 0.8                 | 0.0054                | 0.045               | 0.001              | 0.00051           | 0.008            |
| Oct 2034 | 77                               | 5                 | 23                 | 2.0                 | 4.9                 | 16               | 15                 | 0.01                | 0.9                 | 0.0057                | 0.047               | 0.0011             | 0.00054           | 0.009            |
| Nov 2034 | 89                               | 6                 | 27                 | 2.3                 | 5.6                 | 18               | 17                 | 0.011               | 1.0                 | 0.0063                | 0.053               | 0.0012             | 0.0006            | 0.01             |
| Dec 2034 | 105                              | 7                 | 31                 | 2.7                 | 6.6                 | 21               | 20                 | 0.013               | 1.2                 | 0.0072                | 0.06                | 0.0014             | 0.0007            | 0.012            |
| Jan 2035 | 121                              | 8                 | 36                 | 3.1                 | 8                   | 24               | 23                 | 0.014               | 1.4                 | 0.0081                | 0.068               | 0.0016             | 0.0008            | 0.013            |
| Feb 2035 | 126                              | 8                 | 38                 | 3                   | 8                   | 25               | 24                 | 0.015               | 1.4                 | 0.0083                | 0.071               | 0.0017             | 0.0008            | 0.014            |



**Table 8F3-1 Predicted Slipper Lake Water Quality  
Part A**

| Month    | Total Dissolved Solids<br>(mg/L) | Calcium<br>(mg/L) | Chloride<br>(mg/L) | Magnesium<br>(mg/L) | Potassium<br>(mg/L) | Sodium<br>(mg/L) | Sulphate<br>(mg/L) | Ammonia<br>(mg N/L) | Nitrate<br>(mg N/L) | Phosphate<br>(mg P/L) | Aluminium<br>(mg/L) | Antimony<br>(mg/L) | Arsenic<br>(mg/L) | Barium<br>(mg/L) |
|----------|----------------------------------|-------------------|--------------------|---------------------|---------------------|------------------|--------------------|---------------------|---------------------|-----------------------|---------------------|--------------------|-------------------|------------------|
| Mar 2035 | 128                              | 8                 | 38                 | 3                   | 8                   | 26               | 25                 | 0.015               | 1.5                 | 0.0084                | 0.071               | 0.0017             | 0.0009            | 0.014            |
| Apr 2035 | 127                              | 8                 | 38                 | 3.3                 | 8                   | 26               | 25                 | 0.015               | 1.4                 | 0.0083                | 0.071               | 0.0017             | 0.0009            | 0.014            |
| May 2035 | 110                              | 7                 | 33                 | 2.8                 | 7.0                 | 22               | 21                 | 0.013               | 1.3                 | 0.0071                | 0.061               | 0.0015             | 0.0007            | 0.012            |
| Jun 2035 | 93                               | 6                 | 28                 | 2.3                 | 5.9                 | 19               | 18                 | 0.01                | 1.1                 | 0.0054                | 0.049               | 0.0012             | 0.00061           | 0.01             |
| Jul 2035 | 83                               | 5                 | 25                 | 2.1                 | 5.3                 | 17               | 16                 | 0.009               | 0.97                | 0.005                 | 0.045               | 0.0011             | 0.00055           | 0.008            |
| Aug 2035 | 76                               | 4.7               | 23                 | 2.0                 | 4.9                 | 16               | 15                 | 0.009               | 0.88                | 0.0053                | 0.045               | 0.001              | 0.00052           | 0.008            |
| Sep 2035 | 75                               | 4.6               | 22                 | 1.9                 | 4.8                 | 15.3             | 15                 | 0.01                | 0.86                | 0.0054                | 0.046               | 0.001              | 0.00052           | 0.008            |
| Oct 2035 | 78                               | 4.8               | 23                 | 2.0                 | 5.0                 | 16.0             | 15                 | 0.01                | 0.9                 | 0.0057                | 0.048               | 0.0011             | 0.00055           | 0.009            |
| Nov 2035 | 90                               | 5.5               | 26                 | 2.3                 | 5.8                 | 19               | 18                 | 0.011               | 1.04                | 0.0063                | 0.053               | 0.0012             | 0.00062           | 0.01             |
| Dec 2035 | 107                              | 6                 | 31                 | 2.7                 | 6.9                 | 22               | 21                 | 0.013               | 1.2                 | 0.0072                | 0.061               | 0.0014             | 0.00073           | 0.012            |
| Jan 2036 | 123                              | 7                 | 36                 | 3.1                 | 7.9                 | 25               | 24                 | 0.014               | 1.4                 | 0.0081                | 0.07                | 0.0017             | 0.00083           | 0.014            |
| Feb 2036 | 128                              | 8                 | 38                 | 3.3                 | 8.2                 | 26               | 25                 | 0.015               | 1.5                 | 0.0083                | 0.072               | 0.0017             | 0.00087           | 0.014            |
| Mar 2036 | 130                              | 8                 | 38                 | 3.3                 | 8.4                 | 27               | 26                 | 0.015               | 1.5                 | 0.0084                | 0.073               | 0.0017             | 0.00088           | 0.014            |
| Apr 2036 | 130                              | 8                 | 38                 | 3.3                 | 8.3                 | 27               | 25                 | 0.015               | 1.5                 | 0.0083                | 0.072               | 0.0017             | 0.00087           | 0.014            |
| May 2036 | 113                              | 7                 | 33                 | 2.9                 | 7.3                 | 23               | 22                 | 0.013               | 1.3                 | 0.0071                | 0.062               | 0.0015             | 0.00076           | 0.012            |
| Jun 2036 | 96                               | 6                 | 28                 | 2.4                 | 6.2                 | 20               | 19                 | 0.01                | 1.1                 | 0.0055                | 0.05                | 0.0012             | 0.00063           | 0.01             |
| Jul 2036 | 85                               | 5                 | 25                 | 2.1                 | 5.5                 | 18               | 17                 | 0.009               | 1.0                 | 0.005                 | 0.046               | 0.0011             | 0.00057           | 0.009            |
| Aug 2036 | 78                               | 4                 | 23                 | 2.0                 | 5.0                 | 16               | 15                 | 0.009               | 0.9                 | 0.0052                | 0.046               | 0.0011             | 0.00054           | 0.008            |
| Sep 2036 | 76                               | 4                 | 22                 | 1.9                 | 4.9                 | 16               | 15                 | 0.009               | 0.9                 | 0.0054                | 0.046               | 0.0011             | 0.00053           | 0.008            |
| Oct 2036 | 79                               | 5                 | 23                 | 2.0                 | 5.2                 | 16               | 16                 | 0.01                | 0.9                 | 0.0057                | 0.048               | 0.0011             | 0.00056           | 0.009            |
| Nov 2036 | 91                               | 5                 | 26                 | 2.3                 | 6.0                 | 19               | 18                 | 0.011               | 1.1                 | 0.0063                | 0.054               | 0.0013             | 0.00063           | 0.01             |
| Dec 2036 | 108                              | 6                 | 31                 | 2.7                 | 7.0                 | 22               | 21                 | 0.013               | 1.3                 | 0.0071                | 0.062               | 0.0015             | 0.0007            | 0.012            |
| Jan 2037 | 124                              | 7                 | 36                 | 3.1                 | 8                   | 26               | 25                 | 0.014               | 1.5                 | 0.008                 | 0.07                | 0.0017             | 0.0008            | 0.014            |
| Feb 2037 | 130                              | 7                 | 37                 | 3.3                 | 8                   | 27               | 26                 | 0.015               | 1.5                 | 0.0083                | 0.073               | 0.0017             | 0.0009            | 0.014            |
| Mar 2037 | 132                              | 8                 | 38                 | 3.3                 | 9                   | 28               | 26                 | 0.015               | 1.6                 | 0.0083                | 0.073               | 0.0018             | 0.0009            | 0.014            |
| Apr 2037 | 131                              | 8                 | 38                 | 3.3                 | 9                   | 28               | 26                 | 0.015               | 1.6                 | 0.0082                | 0.073               | 0.0018             | 0.0009            | 0.014            |
| May 2037 | 115                              | 7                 | 33                 | 2.9                 | 7.5                 | 24               | 23                 | 0.013               | 1.4                 | 0.0071                | 0.063               | 0.0015             | 0.0008            | 0.012            |
| Jun 2037 | 97                               | 5                 | 28                 | 2.4                 | 6.4                 | 21               | 19                 | 0.01                | 1.2                 | 0.0054                | 0.051               | 0.0013             | 0.00064           | 0.01             |
| Jul 2037 | 86                               | 5                 | 25                 | 2.1                 | 5.6                 | 18               | 17                 | 0.008               | 1.0                 | 0.0049                | 0.046               | 0.0011             | 0.00057           | 0.009            |
| Aug 2037 | 78                               | 4                 | 22                 | 2.0                 | 5.1                 | 16               | 16                 | 0.009               | 0.9                 | 0.0052                | 0.046               | 0.0011             | 0.00054           | 0.008            |
| Sep 2037 | 76                               | 4                 | 22                 | 1.9                 | 5.0                 | 16               | 15                 | 0.009               | 0.9                 | 0.0054                | 0.046               | 0.0011             | 0.00053           | 0.008            |
| Oct 2037 | 79                               | 4                 | 22                 | 2.0                 | 5.2                 | 17               | 16                 | 0.01                | 0.9                 | 0.0057                | 0.048               | 0.0011             | 0.00056           | 0.009            |
| Nov 2037 | 91                               | 5                 | 26                 | 2.3                 | 6.0                 | 19               | 18                 | 0.011               | 1.1                 | 0.0063                | 0.054               | 0.0013             | 0.00063           | 0.01             |
| Dec 2037 | 107                              | 6                 | 30                 | 2.7                 | 7.1                 | 23               | 22                 | 0.012               | 1.3                 | 0.0071                | 0.062               | 0.0015             | 0.00074           | 0.012            |
| Jan 2038 | 124                              | 7                 | 35                 | 3.1                 | 8.2                 | 26               | 25                 | 0.014               | 1.5                 | 0.008                 | 0.07                | 0.0017             | 0.0008            | 0.014            |
| Feb 2038 | 129                              | 7                 | 37                 | 3.2                 | 8.5                 | 27               | 26                 | 0.015               | 1.6                 | 0.008                 | 0.073               | 0.0018             | 0.0009            | 0.014            |
| Mar 2038 | 132                              | 7                 | 37                 | 3.3                 | 8.7                 | 28               | 26                 | 0.015               | 1.6                 | 0.008                 | 0.074               | 0.0018             | 0.0009            | 0.014            |
| Apr 2038 | 131                              | 7                 | 37                 | 3.3                 | 8.7                 | 28               | 26                 | 0.014               | 1.6                 | 0.008                 | 0.073               | 0.0018             | 0.0009            | 0.014            |

**Table 8F3-1 Predicted Slipper Lake Water Quality  
Part A**

| Month    | Total Dissolved Solids<br>(mg/L) | Calcium<br>(mg/L) | Chloride<br>(mg/L) | Magnesium<br>(mg/L) | Potassium<br>(mg/L) | Sodium<br>(mg/L) | Sulphate<br>(mg/L) | Ammonia<br>(mg N/L) | Nitrate<br>(mg N/L) | Phosphate<br>(mg P/L) | Aluminium<br>(mg/L) | Antimony<br>(mg/L) | Arsenic<br>(mg/L) | Barium<br>(mg/L) |
|----------|----------------------------------|-------------------|--------------------|---------------------|---------------------|------------------|--------------------|---------------------|---------------------|-----------------------|---------------------|--------------------|-------------------|------------------|
| May 2038 | 114                              | 6                 | 33                 | 2.8                 | 7.5                 | 24               | 23                 | 0.012               | 1.4                 | 0.007                 | 0.063               | 0.0015             | 0.00077           | 0.012            |
| Jun 2038 | 97                               | 5                 | 28                 | 2.3                 | 6.4                 | 21               | 19                 | 0.009               | 1.2                 | 0.0054                | 0.051               | 0.0013             | 0.00064           | 0.01             |
| Jul 2038 | 85                               | 5                 | 24                 | 2.1                 | 5.7                 | 18               | 17                 | 0.008               | 1.1                 | 0.0049                | 0.046               | 0.0011             | 0.00057           | 0.009            |
| Aug 2038 | 77                               | 4                 | 22                 | 1.9                 | 5.1                 | 16               | 16                 | 0.009               | 0.9                 | 0.0052                | 0.046               | 0.0011             | 0.00054           | 0.008            |
| Sep 2038 | 75                               | 4                 | 21                 | 1.9                 | 5.0                 | 16               | 15                 | 0.009               | 0.9                 | 0.0054                | 0.046               | 0.0011             | 0.00053           | 0.008            |
| Oct 2038 | 78                               | 4                 | 22                 | 2.0                 | 5.2                 | 17               | 16                 | 0.01                | 0.9                 | 0.0057                | 0.048               | 0.0011             | 0.00056           | 0.009            |
| Nov 2038 | 90                               | 5                 | 25                 | 2.3                 | 6.0                 | 19               | 18                 | 0.011               | 1.1                 | 0.0062                | 0.054               | 0.0013             | 0.00063           | 0.01             |
| Dec 2038 | 106                              | 6                 | 30                 | 2.7                 | 7.1                 | 23               | 22                 | 0.012               | 1.3                 | 0.0071                | 0.062               | 0.0015             | 0.00074           | 0.012            |
| Jan 2039 | 131                              | 7                 | 37                 | 3.3                 | 8.7                 | 28               | 27                 | 0.013               | 1.6                 | 0.0079                | 0.073               | 0.0018             | 0.0009            | 0.014            |
| Feb 2039 | 143                              | 8                 | 40                 | 3.5                 | 9.5                 | 31               | 29                 | 0.011               | 1.8                 | 0.0075                | 0.076               | 0.0019             | 0.001             | 0.015            |
| Mar 2039 | 148                              | 8                 | 42                 | 3.6                 | 9.9                 | 32               | 30                 | 0.01                | 1.8                 | 0.0071                | 0.078               | 0.0019             | 0.001             | 0.016            |
| Apr 2039 | 147                              | 8                 | 42                 | 3.6                 | 9.8                 | 32               | 30                 | 0.008               | 1.8                 | 0.0064                | 0.076               | 0.0019             | 0.001             | 0.015            |
| May 2039 | 128                              | 7                 | 37                 | 3.1                 | 8.6                 | 28               | 26                 | 0.006               | 1.6                 | 0.0049                | 0.064               | 0.0016             | 0.00084           | 0.013            |
| Jun 2039 | 108                              | 5                 | 31                 | 2.5                 | 7.4                 | 23               | 22                 | 0.005               | 1.4                 | 0.0038                | 0.05                | 0.0014             | 0.00069           | 0.01             |
| Jul 2039 | 91                               | 5                 | 27                 | 2.1                 | 6.4                 | 19               | 19                 | 0.006               | 1.2                 | 0.004                 | 0.048               | 0.0012             | 0.00061           | 0.008            |
| Aug 2039 | 87                               | 4.4               | 26                 | 2.0                 | 6.2                 | 17               | 18                 | 0.005               | 1.1                 | 0.0041                | 0.048               | 0.0012             | 0.00059           | 0.008            |
| Sep 2039 | 88                               | 4.4               | 27                 | 2.0                 | 6.3                 | 16               | 18                 | 0.005               | 1.1                 | 0.004                 | 0.049               | 0.0012             | 0.0006            | 0.008            |
| Oct 2039 | 96                               | 4.8               | 29                 | 2.2                 | 6.8                 | 17               | 20                 | 0.005               | 1.2                 | 0.004                 | 0.052               | 0.0013             | 0.00065           | 0.008            |
| Nov 2039 | 109                              | 5                 | 33                 | 2.5                 | 7.8                 | 19               | 22                 | 0.004               | 1.4                 | 0.0041                | 0.058               | 0.0015             | 0.00074           | 0.009            |
| Dec 2039 | 126                              | 6                 | 38                 | 2.9                 | 9.0                 | 22               | 26                 | 0.004               | 1.6                 | 0.0044                | 0.066               | 0.0017             | 0.00085           | 0.011            |
| Jan 2040 | 143                              | 7                 | 43                 | 3.3                 | 10.1                | 24               | 29                 | 0.004               | 1.8                 | 0.0046                | 0.074               | 0.0019             | 0.001             | 0.012            |
| Feb 2040 | 146                              | 7                 | 45                 | 3.3                 | 10.4                | 25               | 30                 | 0.004               | 1.9                 | 0.0044                | 0.076               | 0.0019             | 0.001             | 0.012            |
| Mar 2040 | 148                              | 7                 | 45                 | 3.4                 | 10                  | 25               | 30                 | 0.003               | 1.9                 | 0.0041                | 0.076               | 0.0019             | 0.001             | 0.013            |
| Apr 2040 | 144                              | 7                 | 44                 | 3.3                 | 10.2                | 24               | 29                 | 0.002               | 1.9                 | 0.0038                | 0.074               | 0.0019             | 0.001             | 0.012            |
| May 2040 | 124                              | 6                 | 38                 | 2.8                 | 8.7                 | 20               | 25                 | 0.002               | 1.6                 | 0.003                 | 0.062               | 0.0016             | 0.00082           | 0.01             |
| Jun 2040 | 98                               | 5                 | 30                 | 2.2                 | 7.0                 | 14               | 20                 | 0.004               | 1.3                 | 0.0032                | 0.05                | 0.0013             | 0.00065           | 0.008            |
| Jul 2040 | 83                               | 4.1               | 25                 | 1.9                 | 6.0                 | 11               | 17                 | 0.005               | 1.1                 | 0.0039                | 0.047               | 0.0011             | 0.00057           | 0.007            |
| Aug 2040 | 80                               | 4.0               | 24                 | 1.9                 | 5.8                 | 10               | 16                 | 0.005               | 1.0                 | 0.004                 | 0.048               | 0.0011             | 0.00057           | 0.007            |
| Sep 2040 | 83                               | 4.1               | 25                 | 2.0                 | 6.0                 | 10               | 17                 | 0.005               | 1.1                 | 0.004                 | 0.049               | 0.0012             | 0.00058           | 0.008            |
| Oct 2040 | 91                               | 4.4               | 27                 | 2.1                 | 6.5                 | 11               | 19                 | 0.005               | 1.2                 | 0.004                 | 0.052               | 0.0013             | 0.00063           | 0.008            |
| Nov 2040 | 104                              | 5.0               | 31                 | 2.4                 | 7.4                 | 12               | 21                 | 0.005               | 1.3                 | 0.0042                | 0.058               | 0.0014             | 0.00072           | 0.009            |
| Dec 2040 | 120                              | 6                 | 36                 | 2.8                 | 8.6                 | 14               | 25                 | 0.004               | 1.6                 | 0.0044                | 0.066               | 0.0016             | 0.00082           | 0.011            |
| Jan 2041 | 136                              | 7                 | 41                 | 3.1                 | 9.7                 | 16               | 28                 | 0.004               | 1.8                 | 0.0046                | 0.074               | 0.0018             | 0.00093           | 0.012            |
| Feb 2041 | 140                              | 7                 | 42                 | 3.2                 | 9.9                 | 16               | 29                 | 0.004               | 1.8                 | 0.0044                | 0.076               | 0.0019             | 0.001             | 0.012            |
| Mar 2041 | 141                              | 7                 | 42                 | 3.2                 | 10.0                | 17               | 29                 | 0.003               | 1.8                 | 0.0042                | 0.076               | 0.0019             | 0.001             | 0.012            |
| Apr 2041 | 137                              | 7                 | 41                 | 3.2                 | 9.7                 | 16               | 28                 | 0.003               | 1.8                 | 0.0038                | 0.074               | 0.0018             | 0.0009            | 0.012            |
| May 2041 | 118                              | 6                 | 35                 | 2.7                 | 8.4                 | 14               | 24                 | 0.002               | 1.5                 | 0.0031                | 0.062               | 0.0016             | 0.00079           | 0.01             |
| Jun 2041 | 94                               | 4.4               | 28                 | 2.2                 | 6.6                 | 11               | 19                 | 0.004               | 1.2                 | 0.0032                | 0.049               | 0.0012             | 0.00063           | 0.008            |



**Table 8F3-1 Predicted Slipper Lake Water Quality  
Part A**

| Month    | Total Dissolved Solids<br>(mg/L) | Calcium<br>(mg/L) | Chloride<br>(mg/L) | Magnesium<br>(mg/L) | Potassium<br>(mg/L) | Sodium<br>(mg/L) | Sulphate<br>(mg/L) | Ammonia<br>(mg N/L) | Nitrate<br>(mg N/L) | Phosphate<br>(mg P/L) | Aluminium<br>(mg/L) | Antimony<br>(mg/L) | Arsenic<br>(mg/L) | Barium<br>(mg/L) |
|----------|----------------------------------|-------------------|--------------------|---------------------|---------------------|------------------|--------------------|---------------------|---------------------|-----------------------|---------------------|--------------------|-------------------|------------------|
| Jul 2041 | 79                               | 3.8               | 23                 | 1.9                 | 5.6                 | 9                | 16                 | 0.005               | 1.0                 | 0.0039                | 0.047               | 0.0011             | 0.00055           | 0.007            |
| Aug 2041 | 76                               | 3.6               | 22                 | 1.8                 | 5.4                 | 8                | 15                 | 0.006               | 1.0                 | 0.0041                | 0.047               | 0.0011             | 0.00054           | 0.007            |
| Sep 2041 | 78                               | 3.7               | 23                 | 1.9                 | 5.6                 | 8                | 16                 | 0.005               | 1.0                 | 0.004                 | 0.048               | 0.0011             | 0.00056           | 0.007            |
| Oct 2041 | 84                               | 4.0               | 25                 | 2.0                 | 6.0                 | 9                | 17                 | 0.005               | 1.1                 | 0.004                 | 0.051               | 0.0012             | 0.0006            | 0.008            |
| Nov 2041 | 97                               | 4.5               | 28                 | 2.3                 | 6.9                 | 10               | 20                 | 0.005               | 1.2                 | 0.0042                | 0.057               | 0.0014             | 0.00068           | 0.009            |
| Dec 2041 | 111                              | 5                 | 32                 | 2.7                 | 7.9                 | 12               | 23                 | 0.005               | 1.4                 | 0.0045                | 0.065               | 0.0015             | 0.00078           | 0.011            |
| Jan 2042 | 126                              | 6                 | 36                 | 3.0                 | 8.9                 | 14               | 26                 | 0.004               | 1.6                 | 0.0047                | 0.073               | 0.0017             | 0.00088           | 0.012            |
| Feb 2042 | 129                              | 6                 | 37                 | 3.1                 | 9.2                 | 14               | 26                 | 0.004               | 1.7                 | 0.0045                | 0.074               | 0.0018             | 0.0009            | 0.012            |
| Mar 2042 | 130                              | 6                 | 38                 | 3.1                 | 9.2                 | 14               | 26                 | 0.003               | 1.7                 | 0.0042                | 0.074               | 0.0018             | 0.0009            | 0.012            |
| Apr 2042 | 126                              | 6                 | 37                 | 3.0                 | 8.9                 | 14               | 26                 | 0.003               | 1.6                 | 0.0038                | 0.072               | 0.0017             | 0.00088           | 0.012            |
| May 2042 | 108                              | 5                 | 31                 | 2.6                 | 7.7                 | 12               | 22                 | 0.002               | 1.4                 | 0.0031                | 0.061               | 0.0015             | 0.00075           | 0.01             |
| Jun 2042 | 85                               | 3.9               | 24                 | 2.0                 | 6.0                 | 9                | 17                 | 0.004               | 1.1                 | 0.0033                | 0.048               | 0.0012             | 0.00058           | 0.008            |
| Jul 2042 | 71                               | 3.3               | 20                 | 1.8                 | 5.1                 | 8                | 14                 | 0.005               | 0.9                 | 0.004                 | 0.045               | 0.001              | 0.00051           | 0.007            |
| Aug 2042 | 68                               | 3.2               | 19                 | 1.7                 | 4.9                 | 7                | 14                 | 0.006               | 0.9                 | 0.0041                | 0.046               | 0.001              | 0.0005            | 0.007            |
| Sep 2042 | 70                               | 3.2               | 19                 | 1.8                 | 5.0                 | 7                | 14                 | 0.005               | 0.9                 | 0.004                 | 0.046               | 0.001              | 0.00051           | 0.007            |
| Oct 2042 | 76                               | 3.5               | 21                 | 1.9                 | 5.4                 | 8                | 15                 | 0.005               | 1.0                 | 0.0041                | 0.049               | 0.0011             | 0.00055           | 0.008            |
| Nov 2042 | 87                               | 4                 | 24                 | 2.2                 | 6.1                 | 9                | 17                 | 0.005               | 1.1                 | 0.0043                | 0.055               | 0.0013             | 0.00063           | 0.009            |
| Dec 2042 | 100                              | 5                 | 28                 | 2.5                 | 7.1                 | 11               | 20                 | 0.005               | 1.3                 | 0.0045                | 0.063               | 0.0014             | 0.00072           | 0.01             |
| Jan 2043 | 113                              | 5                 | 31                 | 2.8                 | 8.0                 | 12               | 23                 | 0.004               | 1.4                 | 0.0047                | 0.07                | 0.0016             | 0.00081           | 0.012            |
| Feb 2043 | 115                              | 5                 | 32                 | 2.9                 | 8.2                 | 12               | 23                 | 0.004               | 1.5                 | 0.0045                | 0.072               | 0.0017             | 0.00083           | 0.012            |
| Mar 2043 | 116                              | 5                 | 32                 | 2.9                 | 8.2                 | 12               | 23                 | 0.003               | 1.5                 | 0.0043                | 0.072               | 0.0017             | 0.00083           | 0.012            |
| Apr 2043 | 113                              | 5                 | 31                 | 2.8                 | 8.0                 | 12               | 23                 | 0.003               | 1.4                 | 0.0039                | 0.07                | 0.0016             | 0.00081           | 0.012            |
| May 2043 | 97                               | 4                 | 27                 | 2.4                 | 6.9                 | 10               | 20                 | 0.002               | 1.2                 | 0.0032                | 0.059               | 0.0014             | 0.00069           | 0.01             |
| Jun 2043 | 76                               | 3                 | 21                 | 1.9                 | 5.3                 | 8                | 15                 | 0.004               | 1.0                 | 0.0033                | 0.046               | 0.0011             | 0.00054           | 0.008            |
| Jul 2043 | 63                               | 3                 | 17                 | 1.6                 | 4.5                 | 7                | 13                 | 0.005               | 0.8                 | 0.004                 | 0.044               | 0.001              | 0.00047           | 0.007            |
| Aug 2043 | 61                               | 3                 | 16                 | 1.6                 | 4.3                 | 6                | 12                 | 0.006               | 0.8                 | 0.0041                | 0.044               | 0.0009             | 0.00047           | 0.007            |
| Sep 2043 | 62                               | 3                 | 16                 | 1.6                 | 4.4                 | 7                | 12                 | 0.005               | 0.8                 | 0.0041                | 0.045               | 0.001              | 0.00048           | 0.007            |
| Oct 2043 | 67                               | 3                 | 18                 | 1.8                 | 4.8                 | 7                | 13                 | 0.005               | 0.8                 | 0.0041                | 0.048               | 0.001              | 0.00051           | 0.008            |
| Nov 2043 | 77                               | 3                 | 20                 | 2.0                 | 5.5                 | 8                | 15                 | 0.005               | 1.0                 | 0.0043                | 0.053               | 0.0012             | 0.00058           | 0.009            |
| Dec 2043 | 89                               | 4                 | 24                 | 2.3                 | 6.3                 | 9                | 18                 | 0.005               | 1.1                 | 0.0045                | 0.061               | 0.0013             | 0.00066           | 0.01             |
| Jan 2044 | 100                              | 4                 | 27                 | 2.6                 | 7.1                 | 11               | 20                 | 0.004               | 1.3                 | 0.0048                | 0.068               | 0.0015             | 0.00075           | 0.011            |
| Feb 2044 | 103                              | 5                 | 27                 | 2.7                 | 7.3                 | 11               | 21                 | 0.004               | 1.3                 | 0.0045                | 0.069               | 0.0015             | 0.00077           | 0.011            |
| Mar 2044 | 104                              | 5                 | 28                 | 2.7                 | 7.3                 | 11               | 21                 | 0.003               | 1.3                 | 0.0043                | 0.07                | 0.0015             | 0.00077           | 0.012            |
| Apr 2044 | 101                              | 4                 | 27                 | 2.6                 | 7.1                 | 11               | 20                 | 0.003               | 1.3                 | 0.0039                | 0.067               | 0.0015             | 0.00075           | 0.011            |
| May 2044 | 87                               | 4                 | 23                 | 2.2                 | 6.1                 | 9                | 17                 | 0.002               | 1.1                 | 0.0032                | 0.057               | 0.0013             | 0.00064           | 0.01             |
| Jun 2044 | 68                               | 3                 | 17                 | 1.8                 | 4.8                 | 7                | 14                 | 0.004               | 0.9                 | 0.0033                | 0.045               | 0.001              | 0.0005            | 0.008            |
| Jul 2044 | 57                               | 2                 | 14                 | 1.6                 | 4.0                 | 6                | 11                 | 0.006               | 0.7                 | 0.004                 | 0.043               | 0.0009             | 0.00044           | 0.007            |
| Aug 2044 | 55                               | 2                 | 14                 | 1.5                 | 3.9                 | 6                | 11                 | 0.006               | 0.7                 | 0.0041                | 0.043               | 0.0009             | 0.00044           | 0.007            |

**Table 8F3-1      Predicted Slipper Lake Water Quality  
Part A**

| Month    | Total Dissolved Solids<br>(mg/L) | Calcium<br>(mg/L) | Chloride<br>(mg/L) | Magnesium<br>(mg/L) | Potassium<br>(mg/L) | Sodium<br>(mg/L) | Sulphate<br>(mg/L) | Ammonia<br>(mg N/L) | Nitrate<br>(mg N/L) | Phosphate<br>(mg P/L) | Aluminium<br>(mg/L) | Antimony<br>(mg/L) | Arsenic<br>(mg/L) | Barium<br>(mg/L) |
|----------|----------------------------------|-------------------|--------------------|---------------------|---------------------|------------------|--------------------|---------------------|---------------------|-----------------------|---------------------|--------------------|-------------------|------------------|
| Sep 2044 | 56                               | 2                 | 14                 | 1.6                 | 4.0                 | 6                | 11                 | 0.005               | 0.7                 | 0.0041                | 0.044               | 0.0009             | 0.00045           | 0.007            |
| Oct 2044 | 61                               | 3                 | 15                 | 1.7                 | 4.3                 | 6                | 12                 | 0.005               | 0.8                 | 0.0041                | 0.046               | 0.001              | 0.00048           | 0.008            |
| Nov 2044 | 70                               | 3                 | 18                 | 1.9                 | 4.9                 | 7                | 14                 | 0.005               | 0.9                 | 0.0043                | 0.052               | 0.0011             | 0.00054           | 0.009            |
| Dec 2044 | 80                               | 3                 | 20                 | 2.2                 | 5.7                 | 8                | 16                 | 0.005               | 1.0                 | 0.0046                | 0.059               | 0.0013             | 0.00062           | 0.01             |
| Jan 2045 | 91                               | 4                 | 23                 | 2.5                 | 6.4                 | 10               | 18                 | 0.004               | 1.1                 | 0.0048                | 0.066               | 0.0014             | 0.0007            | 0.011            |
| Feb 2045 | 93                               | 4                 | 23                 | 2.5                 | 6.5                 | 10               | 18                 | 0.004               | 1.2                 | 0.0046                | 0.067               | 0.0014             | 0.00071           | 0.011            |
| Mar 2045 | 94                               | 4                 | 24                 | 2.6                 | 6.6                 | 10               | 19                 | 0.003               | 1.2                 | 0.0043                | 0.068               | 0.0015             | 0.00072           | 0.011            |
| Apr 2045 | 91                               | 4                 | 23                 | 2.5                 | 6.4                 | 10               | 18                 | 0.003               | 1.1                 | 0.0039                | 0.065               | 0.0014             | 0.0007            | 0.011            |
| May 2045 | 79                               | 3                 | 20                 | 2.1                 | 5.5                 | 8                | 15                 | 0.002               | 1.0                 | 0.0032                | 0.055               | 0.0012             | 0.00059           | 0.009            |
| Jun 2045 | 62                               | 3                 | 15                 | 1.7                 | 4.3                 | 7                | 12                 | 0.004               | 0.8                 | 0.0033                | 0.043               | 0.0009             | 0.00047           | 0.008            |
| Jul 2045 | 52                               | 2                 | 12                 | 1.5                 | 3.7                 | 5                | 10                 | 0.005               | 0.6                 | 0.004                 | 0.042               | 0.0009             | 0.00042           | 0.007            |
| Aug 2045 | 50                               | 2                 | 12                 | 1.5                 | 3.6                 | 5                | 10                 | 0.006               | 0.6                 | 0.0041                | 0.042               | 0.0008             | 0.00041           | 0.007            |
| Sep 2045 | 52                               | 2                 | 12                 | 1.5                 | 3.7                 | 5                | 10                 | 0.005               | 0.6                 | 0.0041                | 0.043               | 0.0009             | 0.00042           | 0.007            |
| Oct 2045 | 56                               | 2                 | 13                 | 1.6                 | 4.0                 | 6                | 11                 | 0.005               | 0.7                 | 0.0041                | 0.046               | 0.0009             | 0.00045           | 0.007            |
| Nov 2045 | 64                               | 3                 | 15                 | 1.8                 | 4.5                 | 7                | 12                 | 0.005               | 0.8                 | 0.0043                | 0.051               | 0.001              | 0.00051           | 0.008            |
| Dec 2045 | 74                               | 3                 | 18                 | 2.1                 | 5.2                 | 8                | 14                 | 0.005               | 0.9                 | 0.0046                | 0.058               | 0.0012             | 0.00059           | 0.01             |
| Jan 2046 | 83                               | 3                 | 20                 | 2.4                 | 5.8                 | 9                | 16                 | 0.004               | 1.0                 | 0.0048                | 0.065               | 0.0013             | 0.0007            | 0.011            |
| Feb 2046 | 85                               | 3                 | 20                 | 2.4                 | 6                   | 9                | 17                 | 0.004               | 1.0                 | 0.0045                | 0.066               | 0.0014             | 0.0007            | 0.011            |
| Mar 2046 | 86                               | 3                 | 20                 | 2.4                 | 6                   | 9                | 17                 | 0.003               | 1.1                 | 0.0043                | 0.066               | 0.0014             | 0.0007            | 0.011            |
| Apr 2046 | 83                               | 3                 | 20                 | 2.4                 | 6                   | 9                | 16                 | 0.003               | 1.0                 | 0.0039                | 0.064               | 0.0013             | 0.0007            | 0.011            |
| May 2046 | 72                               | 3                 | 17                 | 2.0                 | 5.0                 | 8                | 14                 | 0.002               | 0.9                 | 0.0032                | 0.054               | 0.0011             | 0.00056           | 0.009            |
| Jun 2046 | 56                               | 2                 | 13                 | 1.6                 | 3.9                 | 6                | 11                 | 0.004               | 0.7                 | 0.0033                | 0.042               | 0.0009             | 0.00044           | 0.007            |
| Jul 2046 | 48                               | 2                 | 11                 | 1.4                 | 3.4                 | 5                | 9                  | 0.005               | 0.6                 | 0.004                 | 0.041               | 0.0008             | 0.0004            | 0.007            |
| Aug 2046 | 46                               | 2                 | 10                 | 1.4                 | 3.3                 | 5                | 9                  | 0.006               | 0.6                 | 0.0041                | 0.042               | 0.0008             | 0.00039           | 0.007            |
| Sep 2046 | 47                               | 2                 | 11                 | 1.4                 | 3.4                 | 5                | 9                  | 0.005               | 0.6                 | 0.0041                | 0.042               | 0.0008             | 0.0004            | 0.007            |
| Oct 2046 | 52                               | 2                 | 12                 | 1.5                 | 3.6                 | 5                | 10                 | 0.005               | 0.6                 | 0.0041                | 0.045               | 0.0009             | 0.00043           | 0.007            |
| Nov 2046 | 59                               | 2                 | 13                 | 1.8                 | 4.1                 | 6                | 11                 | 0.005               | 0.7                 | 0.0043                | 0.05                | 0.001              | 0.00049           | 0.008            |
| Dec 2046 | 68                               | 3                 | 15                 | 2.0                 | 4.7                 | 7                | 13                 | 0.005               | 0.8                 | 0.0046                | 0.057               | 0.0011             | 0.00056           | 0.01             |
| Jan 2047 | 77                               | 3                 | 17                 | 2.3                 | 5                   | 8                | 15                 | 0.004               | 0.9                 | 0.0048                | 0.063               | 0.0013             | 0.0006            | 0.011            |
| Feb 2047 | 79                               | 3                 | 18                 | 2.3                 | 5                   | 8                | 15                 | 0.004               | 1.0                 | 0.0045                | 0.065               | 0.0013             | 0.0006            | 0.011            |
| Mar 2047 | 79                               | 3                 | 18                 | 2.3                 | 6                   | 8                | 15                 | 0.003               | 1.0                 | 0.0043                | 0.065               | 0.0013             | 0.0006            | 0.011            |
| Apr 2047 | 77                               | 3                 | 17                 | 2.3                 | 5                   | 8                | 15                 | 0.003               | 0.9                 | 0.0039                | 0.063               | 0.0013             | 0.0006            | 0.011            |
| May 2047 | 66                               | 3                 | 15                 | 1.9                 | 4.6                 | 7                | 13                 | 0.002               | 0.8                 | 0.0032                | 0.053               | 0.0011             | 0.00053           | 0.009            |
| Jun 2047 | 52                               | 2                 | 11                 | 1.5                 | 3.6                 | 6                | 10                 | 0.004               | 0.6                 | 0.0033                | 0.042               | 0.0009             | 0.00042           | 0.007            |
| Jul 2047 | 44                               | 2                 | 9                  | 1.4                 | 3.1                 | 5                | 8                  | 0.005               | 0.5                 | 0.004                 | 0.04                | 0.0008             | 0.00038           | 0.007            |
| Aug 2047 | 43                               | 2                 | 9                  | 1.3                 | 3.0                 | 5                | 8                  | 0.006               | 0.5                 | 0.0041                | 0.041               | 0.0008             | 0.00037           | 0.007            |
| Sep 2047 | 44                               | 2                 | 9                  | 1.4                 | 3.1                 | 5                | 8                  | 0.005               | 0.5                 | 0.0041                | 0.041               | 0.0008             | 0.00038           | 0.007            |
| Oct 2047 | 48                               | 2                 | 10                 | 1.5                 | 3.4                 | 5                | 9                  | 0.005               | 0.6                 | 0.0041                | 0.044               | 0.0008             | 0.00041           | 0.007            |

**Table 8F3-1      Predicted Slipper Lake Water Quality  
Part A**

| Month    | Total Dissolved Solids<br>(mg/L) | Calcium<br>(mg/L) | Chloride<br>(mg/L) | Magnesium<br>(mg/L) | Potassium<br>(mg/L) | Sodium<br>(mg/L) | Sulphate<br>(mg/L) | Ammonia<br>(mg N/L) | Nitrate<br>(mg N/L) | Phosphate<br>(mg P/L) | Aluminium<br>(mg/L) | Antimony<br>(mg/L) | Arsenic<br>(mg/L) | Barium<br>(mg/L) |
|----------|----------------------------------|-------------------|--------------------|---------------------|---------------------|------------------|--------------------|---------------------|---------------------|-----------------------|---------------------|--------------------|-------------------|------------------|
| Nov 2047 | 55                               | 2                 | 12                 | 1.7                 | 3.8                 | 6                | 10                 | 0.005               | 0.7                 | 0.0043                | 0.049               | 0.001              | 0.00046           | 0.008            |
| Dec 2047 | 63                               | 2                 | 13                 | 1.9                 | 4.4                 | 7                | 12                 | 0.005               | 0.8                 | 0.0046                | 0.056               | 0.0011             | 0.00053           | 0.009            |
| Jan 2048 | 71                               | 3                 | 15                 | 2.2                 | 5                   | 8                | 14                 | 0.004               | 0.9                 | 0.0048                | 0.062               | 0.0012             | 0.0006            | 0.011            |
| Feb 2048 | 73                               | 3                 | 16                 | 2.2                 | 5                   | 8                | 14                 | 0.004               | 0.9                 | 0.0046                | 0.063               | 0.0013             | 0.0006            | 0.011            |
| Mar 2048 | 74                               | 3                 | 16                 | 2.2                 | 5                   | 8                | 14                 | 0.003               | 0.9                 | 0.0043                | 0.064               | 0.0013             | 0.0006            | 0.011            |
| Apr 2048 | 72                               | 3                 | 15                 | 2.2                 | 5                   | 8                | 14                 | 0.003               | 0.9                 | 0.0039                | 0.062               | 0.0012             | 0.0006            | 0.011            |
| May 2048 | 62                               | 2                 | 13                 | 1.9                 | 4.2                 | 7                | 12                 | 0.002               | 0.7                 | 0.0032                | 0.052               | 0.001              | 0.00051           | 0.009            |
| Jun 2048 | 49                               | 2                 | 10                 | 1.5                 | 3.4                 | 5                | 9                  | 0.004               | 0.6                 | 0.0033                | 0.041               | 0.0008             | 0.0004            | 0.007            |
| Jul 2048 | 42                               | 2                 | 8                  | 1.3                 | 2.9                 | 4                | 8                  | 0.006               | 0.5                 | 0.004                 | 0.04                | 0.0008             | 0.00036           | 0.007            |
| Aug 2048 | 40                               | 2                 | 8                  | 1.3                 | 2.9                 | 4                | 8                  | 0.006               | 0.5                 | 0.0041                | 0.04                | 0.0008             | 0.00036           | 0.006            |
| Sep 2048 | 42                               | 2                 | 8                  | 1.3                 | 2.9                 | 4                | 8                  | 0.005               | 0.5                 | 0.0041                | 0.041               | 0.0008             | 0.00037           | 0.007            |
| Oct 2048 | 45                               | 2                 | 9                  | 1.4                 | 3.2                 | 5                | 9                  | 0.005               | 0.5                 | 0.0041                | 0.043               | 0.0008             | 0.0004            | 0.007            |
| Nov 2048 | 52                               | 2                 | 10                 | 1.6                 | 3.6                 | 5                | 10                 | 0.005               | 0.6                 | 0.0043                | 0.048               | 0.0009             | 0.00045           | 0.008            |
| Dec 2048 | 60                               | 2                 | 12                 | 1.9                 | 4.1                 | 6                | 11                 | 0.005               | 0.7                 | 0.0046                | 0.055               | 0.0011             | 0.00051           | 0.009            |
| Jan 2049 | 67                               | 2                 | 14                 | 2.1                 | 4.7                 | 7                | 13                 | 0.004               | 0.8                 | 0.0048                | 0.061               | 0.0012             | 0.0006            | 0.01             |
| Feb 2049 | 69                               | 2                 | 14                 | 2.2                 | 5                   | 7                | 13                 | 0.004               | 0.8                 | 0.0046                | 0.063               | 0.0012             | 0.0006            | 0.011            |
| Mar 2049 | 70                               | 3                 | 14                 | 2.2                 | 5                   | 7                | 13                 | 0.003               | 0.8                 | 0.0043                | 0.063               | 0.0012             | 0.0006            | 0.011            |
| Apr 2049 | 68                               | 2                 | 14                 | 2.1                 | 5                   | 7                | 13                 | 0.003               | 0.8                 | 0.0039                | 0.061               | 0.0012             | 0.0006            | 0.01             |
| May 2049 | 58                               | 2                 | 12                 | 1.8                 | 4.0                 | 6                | 11                 | 0.002               | 0.7                 | 0.0032                | 0.051               | 0.001              | 0.00049           | 0.009            |
| Jun 2049 | 46                               | 2                 | 9                  | 1.5                 | 3.2                 | 5                | 9                  | 0.004               | 0.6                 | 0.0033                | 0.04                | 0.0008             | 0.00039           | 0.007            |
| Jul 2049 | 39                               | 1                 | 8                  | 1.3                 | 2.8                 | 4                | 7                  | 0.0055              | 0.5                 | 0.004                 | 0.039               | 0.0007             | 0.00035           | 0.006            |
| Aug 2049 | 38                               | 1                 | 7                  | 1.3                 | 2.7                 | 4                | 7                  | 0.0056              | 0.4                 | 0.0041                | 0.04                | 0.0007             | 0.00035           | 0.006            |
| Sep 2049 | 40                               | 1                 | 8                  | 1.3                 | 2.8                 | 4                | 7                  | 0.005               | 0.5                 | 0.0041                | 0.041               | 0.0008             | 0.00036           | 0.007            |
| Oct 2049 | 43                               | 2                 | 8                  | 1.4                 | 3.0                 | 5                | 8                  | 0.005               | 0.5                 | 0.0041                | 0.043               | 0.0008             | 0.00039           | 0.007            |
| Nov 2049 | 49                               | 2                 | 9                  | 1.6                 | 3.4                 | 5                | 9                  | 0.005               | 0.6                 | 0.0043                | 0.048               | 0.0009             | 0.00044           | 0.008            |
| Dec 2049 | 57                               | 2                 | 11                 | 1.8                 | 3.9                 | 6                | 11                 | 0.005               | 0.7                 | 0.0046                | 0.055               | 0.001              | 0.0005            | 0.009            |
| Jan 2050 | 64                               | 2                 | 12                 | 2.1                 | 4.4                 | 7                | 12                 | 0.004               | 0.8                 | 0.0048                | 0.061               | 0.0012             | 0.00056           | 0.01             |
| Feb 2050 | 66                               | 2                 | 13                 | 2.1                 | 4.5                 | 7                | 12                 | 0.004               | 0.8                 | 0.0046                | 0.062               | 0.0012             | 0.00057           | 0.011            |
| Mar 2050 | 66                               | 2                 | 13                 | 2.1                 | 4.6                 | 7                | 12                 | 0.003               | 0.8                 | 0.0043                | 0.062               | 0.0012             | 0.00058           | 0.011            |
| Apr 2050 | 64                               | 2                 | 12                 | 2.1                 | 4.4                 | 7                | 12                 | 0.003               | 0.8                 | 0.0039                | 0.06                | 0.0012             | 0.00056           | 0.01             |
| May 2050 | 55                               | 2                 | 11                 | 1.8                 | 3.8                 | 6                | 10                 | 0.002               | 0.7                 | 0.0032                | 0.05                | 0.001              | 0.00047           | 0.009            |
| Jun 2050 | 44                               | 2                 | 8                  | 1.4                 | 3.0                 | 5                | 8                  | 0.0038              | 0.5                 | 0.0033                | 0.04                | 0.0008             | 0.00038           | 0.007            |
| Jul 2050 | 38                               | 1                 | 7                  | 1.3                 | 2.7                 | 4                | 7                  | 0.0055              | 0.4                 | 0.004                 | 0.039               | 0.0007             | 0.00035           | 0.006            |
| Aug 2050 | 37                               | 1                 | 7                  | 1.3                 | 2.6                 | 4                | 7                  | 0.0055              | 0.43                | 0.0041                | 0.04                | 0.0007             | 0.00035           | 0.006            |
| Sep 2050 | 38                               | 1                 | 7                  | 1.3                 | 2.7                 | 4                | 7                  | 0.0052              | 0.44                | 0.0041                | 0.04                | 0.0007             | 0.00035           | 0.007            |
| Oct 2050 | 42                               | 1                 | 8                  | 1.4                 | 2.9                 | 4                | 8                  | 0.005               | 0.48                | 0.0041                | 0.043               | 0.0008             | 0.00038           | 0.007            |
| Nov 2050 | 47                               | 2                 | 9                  | 1.6                 | 3.3                 | 5                | 9                  | 0.005               | 0.6                 | 0.0043                | 0.048               | 0.0009             | 0.00043           | 0.008            |
| Dec 2050 | 55                               | 2                 | 10                 | 1.8                 | 3.8                 | 6                | 10                 | 0.005               | 0.6                 | 0.0046                | 0.054               | 0.001              | 0.00049           | 0.009            |

**Table 8F3-1      Predicted Slipper Lake Water Quality  
Part A**

| Month    | Total Dissolved Solids<br>(mg/L) | Calcium<br>(mg/L) | Chloride<br>(mg/L) | Magnesium<br>(mg/L) | Potassium<br>(mg/L) | Sodium<br>(mg/L) | Sulphate<br>(mg/L) | Ammonia<br>(mg N/L) | Nitrate<br>(mg N/L) | Phosphate<br>(mg P/L) | Aluminium<br>(mg/L) | Antimony<br>(mg/L) | Arsenic<br>(mg/L) | Barium<br>(mg/L) |
|----------|----------------------------------|-------------------|--------------------|---------------------|---------------------|------------------|--------------------|---------------------|---------------------|-----------------------|---------------------|--------------------|-------------------|------------------|
| Jan 2051 | 62                               | 2                 | 11                 | 2.0                 | 4.2                 | 7                | 12                 | 0.004               | 0.7                 | 0.0048                | 0.06                | 0.0011             | 0.00055           | 0.01             |
| Feb 2051 | 63                               | 2                 | 12                 | 2.1                 | 4.3                 | 7                | 12                 | 0.004               | 0.7                 | 0.0046                | 0.062               | 0.0012             | 0.00056           | 0.011            |
| Mar 2051 | 64                               | 2                 | 12                 | 2.1                 | 4.4                 | 7                | 12                 | 0.003               | 0.7                 | 0.0043                | 0.062               | 0.0012             | 0.00056           | 0.011            |
| Apr 2051 | 62                               | 2                 | 11                 | 2.0                 | 4.2                 | 7                | 12                 | 0.003               | 0.7                 | 0.0039                | 0.06                | 0.0011             | 0.00055           | 0.01             |
| May 2051 | 53                               | 2                 | 10                 | 1.7                 | 3.6                 | 6                | 10                 | 0.002               | 0.6                 | 0.0032                | 0.05                | 0.001              | 0.00047           | 0.009            |
| Jun 2051 | 42                               | 1                 | 7                  | 1.4                 | 2.9                 | 5                | 8                  | 0.0038              | 0.5                 | 0.0033                | 0.04                | 0.0008             | 0.00037           | 0.007            |
| Jul 2051 | 36                               | 1                 | 6                  | 1.2                 | 2.5                 | 4                | 7                  | 0.0055              | 0.42                | 0.004                 | 0.039               | 0.00071            | 0.00034           | 0.006            |
| Aug 2051 | 35                               | 1.2               | 6                  | 1.2                 | 2.5                 | 4                | 7                  | 0.0055              | 0.4                 | 0.0041                | 0.039               | 0.00071            | 0.00034           | 0.006            |
| Sep 2051 | 37                               | 1.3               | 7                  | 1.3                 | 2.6                 | 4                | 7                  | 0.0052              | 0.42                | 0.0041                | 0.04                | 0.00072            | 0.00034           | 0.007            |
| Oct 2051 | 40                               | 1.4               | 7                  | 1.4                 | 2.8                 | 4                | 7                  | 0.0049              | 0.46                | 0.0041                | 0.042               | 0.00077            | 0.00037           | 0.007            |
| Nov 2051 | 45                               | 2                 | 8                  | 1.5                 | 3.1                 | 5                | 8                  | 0.005               | 0.52                | 0.0043                | 0.047               | 0.0009             | 0.00042           | 0.008            |
| Dec 2051 | 52                               | 2                 | 9                  | 1.8                 | 3.6                 | 6                | 10                 | 0.005               | 0.6                 | 0.0046                | 0.054               | 0.001              | 0.00048           | 0.009            |
| Jan 2052 | 59                               | 2                 | 10                 | 2.0                 | 4.1                 | 6                | 11                 | 0.004               | 0.7                 | 0.0048                | 0.06                | 0.0011             | 0.00054           | 0.01             |
| Feb 2052 | 61                               | 2                 | 11                 | 2.0                 | 4.2                 | 7                | 11                 | 0.004               | 0.7                 | 0.0046                | 0.061               | 0.0011             | 0.00055           | 0.011            |
| Mar 2052 | 61                               | 2                 | 11                 | 2.1                 | 4.2                 | 7                | 11                 | 0.003               | 0.7                 | 0.0043                | 0.061               | 0.0011             | 0.00055           | 0.011            |
| Apr 2052 | 60                               | 2                 | 11                 | 2.0                 | 4.1                 | 6                | 11                 | 0.003               | 0.7                 | 0.0039                | 0.059               | 0.0011             | 0.00054           | 0.01             |
| May 2052 | 51                               | 2                 | 9                  | 1.7                 | 3.5                 | 6                | 10                 | 0.002               | 0.6                 | 0.0032                | 0.05                | 0.0009             | 0.00045           | 0.009            |
| Jun 2052 | 41                               | 1                 | 7                  | 1.4                 | 2.8                 | 4                | 8                  | 0.0038              | 0.48                | 0.0033                | 0.04                | 0.00075            | 0.00036           | 0.007            |
| Jul 2052 | 35                               | 1.2               | 6                  | 1.2                 | 2.5                 | 4                | 7                  | 0.0055              | 0.4                 | 0.004                 | 0.038               | 0.0007             | 0.00033           | 0.0064           |
| Aug 2052 | 34                               | 1.2               | 6                  | 1.2                 | 2.4                 | 4                | 6                  | 0.0055              | 0.39                | 0.0041                | 0.039               | 0.0007             | 0.00033           | 0.0063           |
| Sep 2052 | 36                               | 1.2               | 6                  | 1.2                 | 2.5                 | 4                | 7                  | 0.0052              | 0.4                 | 0.0041                | 0.04                | 0.00071            | 0.00034           | 0.0065           |
| Oct 2052 | 39                               | 1.3               | 7                  | 1.3                 | 2.7                 | 4                | 7                  | 0.0049              | 0.44                | 0.0041                | 0.042               | 0.00076            | 0.00036           | 0.007            |
| Nov 2052 | 44                               | 1.5               | 8                  | 1.5                 | 3.1                 | 5                | 8                  | 0.005               | 0.51                | 0.0043                | 0.047               | 0.00086            | 0.00041           | 0.008            |
| Dec 2052 | 51                               | 1.7               | 9                  | 1.8                 | 3.5                 | 5                | 9                  | 0.005               | 0.59                | 0.0046                | 0.053               | 0.001              | 0.00047           | 0.009            |
| Jan 2053 | 58                               | 2                 | 10                 | 2.0                 | 3.9                 | 6                | 11                 | 0.004               | 0.66                | 0.0048                | 0.06                | 0.0011             | 0.00053           | 0.01             |
| Feb 2053 | 59                               | 2                 | 10                 | 2.0                 | 4.0                 | 6                | 11                 | 0.004               | 0.68                | 0.0046                | 0.061               | 0.0011             | 0.00054           | 0.01             |
| Mar 2053 | 60                               | 2                 | 10                 | 2.0                 | 4.1                 | 6                | 11                 | 0.003               | 0.69                | 0.0043                | 0.061               | 0.0011             | 0.00054           | 0.011            |
| Apr 2053 | 58                               | 2                 | 10                 | 2.0                 | 4.0                 | 6                | 11                 | 0.003               | 0.67                | 0.0039                | 0.059               | 0.0011             | 0.00053           | 0.01             |
| May 2053 | 50                               | 1.6               | 8                  | 1.7                 | 3.4                 | 5                | 9                  | 0.002               | 0.58                | 0.0032                | 0.049               | 0.0009             | 0.00045           | 0.009            |
| Jun 2053 | 40                               | 1.3               | 6                  | 1.4                 | 2.7                 | 4                | 7                  | 0.0038              | 0.46                | 0.0033                | 0.039               | 0.00074            | 0.00036           | 0.007            |
| Jul 2053 | 34                               | 1.1               | 6                  | 1.2                 | 2.4                 | 3.7              | 6                  | 0.0055              | 0.39                | 0.004                 | 0.038               | 0.00069            | 0.00033           | 0.0063           |
| Aug 2053 | 34                               | 1.1               | 6                  | 1.2                 | 2.4                 | 3.6              | 6.2                | 0.0056              | 0.38                | 0.0041                | 0.039               | 0.00069            | 0.00033           | 0.0063           |
| Sep 2053 | 35                               | 1.2               | 6                  | 1.2                 | 2.4                 | 3.7              | 6.4                | 0.0052              | 0.39                | 0.0041                | 0.04                | 0.00071            | 0.00034           | 0.0065           |
| Oct 2053 | 38                               | 1.2               | 6                  | 1.3                 | 2.6                 | 4.0              | 7.0                | 0.0049              | 0.43                | 0.0041                | 0.042               | 0.00076            | 0.00036           | 0.007            |
| Nov 2053 | 43                               | 1.4               | 7                  | 1.5                 | 3.0                 | 4.6              | 8                  | 0.005               | 0.49                | 0.0043                | 0.047               | 0.00085            | 0.00041           | 0.0079           |
| Dec 2053 | 50                               | 1.6               | 8                  | 1.7                 | 3.4                 | 5                | 9                  | 0.005               | 0.57                | 0.0046                | 0.053               | 0.00097            | 0.00046           | 0.009            |
| Jan 2054 | 56                               | 1.8               | 9                  | 2.0                 | 3.9                 | 6                | 10                 | 0.004               | 0.65                | 0.0048                | 0.059               | 0.0011             | 0.00052           | 0.01             |
| Feb 2054 | 58                               | 1.8               | 10                 | 2.0                 | 3.9                 | 6                | 11                 | 0.004               | 0.66                | 0.0046                | 0.06                | 0.0011             | 0.00053           | 0.01             |

**Table 8F3-1 Predicted Slipper Lake Water Quality  
Part A**

| Month    | Total Dissolved Solids<br>(mg/L) | Calcium<br>(mg/L) | Chloride<br>(mg/L) | Magnesium<br>(mg/L) | Potassium<br>(mg/L) | Sodium<br>(mg/L) | Sulphate<br>(mg/L) | Ammonia<br>(mg N/L) | Nitrate<br>(mg N/L) | Phosphate<br>(mg P/L) | Aluminium<br>(mg/L) | Antimony<br>(mg/L) | Arsenic<br>(mg/L) | Barium<br>(mg/L) |
|----------|----------------------------------|-------------------|--------------------|---------------------|---------------------|------------------|--------------------|---------------------|---------------------|-----------------------|---------------------|--------------------|-------------------|------------------|
| Mar 2054 | 58                               | 1.8               | 10                 | 2.0                 | 4.0                 | 6                | 11                 | 0.003               | 0.67                | 0.0043                | 0.061               | 0.0011             | 0.00054           | 0.011            |
| Apr 2054 | 57                               | 1.8               | 9                  | 2.0                 | 3.9                 | 6                | 10                 | 0.003               | 0.65                | 0.0039                | 0.059               | 0.0011             | 0.00052           | 0.01             |
| May 2054 | 49                               | 1.5               | 8                  | 1.7                 | 3.3                 | 5                | 9                  | 0.002               | 0.56                | 0.0032                | 0.049               | 0.00091            | 0.00044           | 0.009            |
| Jun 2054 | 39                               | 1.2               | 6                  | 1.3                 | 2.6                 | 4.2              | 7.1                | 0.0038              | 0.45                | 0.0033                | 0.039               | 0.00073            | 0.00035           | 0.007            |
| Jul 2054 | 34                               | 1.1               | 5                  | 1.2                 | 2.4                 | 3.6              | 6.2                | 0.0055              | 0.38                | 0.004                 | 0.038               | 0.00069            | 0.00033           | 0.0064           |
| Aug 2054 | 33                               | 1.1               | 5                  | 1.2                 | 2.3                 | 3.5              | 6.1                | 0.0055              | 0.37                | 0.0041                | 0.039               | 0.00069            | 0.00033           | 0.0063           |
| Sep 2054 | 34                               | 1.1               | 6                  | 1.2                 | 2.4                 | 3.7              | 6.3                | 0.0052              | 0.38                | 0.0041                | 0.04                | 0.0007             | 0.00033           | 0.0065           |
| Oct 2054 | 37                               | 1.2               | 6                  | 1.3                 | 2.6                 | 4.0              | 6.8                | 0.0049              | 0.42                | 0.0041                | 0.042               | 0.00075            | 0.00036           | 0.007            |
| Nov 2054 | 43                               | 1.4               | 7                  | 1.5                 | 2.9                 | 4.6              | 7.8                | 0.005               | 0.48                | 0.0043                | 0.047               | 0.00084            | 0.0004            | 0.0079           |
| Dec 2054 | 49                               | 1.6               | 8                  | 1.7                 | 3.4                 | 5.3              | 9                  | 0.005               | 0.56                | 0.0046                | 0.053               | 0.00096            | 0.00046           | 0.009            |
| Jan 2055 | 55                               | 1.7               | 8.9                | 1.9                 | 3.8                 | 5.96             | 10.1               | 0.004               | 0.63                | 0.0048                | 0.059               | 0.00108            | 0.00052           | 0.01             |
| Feb 2055 | 57                               | 1.8               | 9.2                | 2.0                 | 3.9                 | 6.12             | 10.4               | 0.004               | 0.65                | 0.0046                | 0.06                | 0.0011             | 0.00053           | 0.01             |
| Mar 2055 | 57                               | 1.8               | 9.2                | 2.0                 | 3.9                 | 6.17             | 10.5               | 0.003               | 0.66                | 0.0043                | 0.061               | 0.00111            | 0.00053           | 0.01             |
| Apr 2055 | 56                               | 1.7               | 9.0                | 1.9                 | 3.8                 | 6.01             | 10.2               | 0.003               | 0.64                | 0.0039                | 0.059               | 0.00107            | 0.00052           | 0.01             |
| May 2055 | 48                               | 1.5               | 7.66               | 1.66                | 3.2                 | 5.19             | 8.8                | 0.002               | 0.55                | 0.0032                | 0.049               | 0.00091            | 0.00044           | 0.0087           |
| Jun 2055 | 38.4                             | 1.2               | 5.82               | 1.33                | 2.59                | 4.16             | 7.0                | 0.0038              | 0.44                | 0.0033                | 0.039               | 0.00072            | 0.00035           | 0.007            |
| Jul 2055 | 33.1                             | 1.1               | 5.14               | 1.19                | 2.3                 | 3.54             | 6.0                | 0.0055              | 0.37                | 0.004                 | 0.038               | 0.00068            | 0.00032           | 0.0063           |
| Aug 2055 | 32                               | 1.1               | 5.14               | 1.18                | 2.3                 | 3.44             | 5.9                | 0.0056              | 0.36                | 0.0042                | 0.039               | 0.00068            | 0.00032           | 0.0063           |
| Sep 2055 | 33                               | 1.1               | 5.32               | 1.22                | 2.3                 | 3.57             | 6.1                | 0.0052              | 0.37                | 0.0041                | 0.039               | 0.00069            | 0.00033           | 0.0064           |
| Oct 2055 | 36                               | 1.2               | 5.78               | 1.31                | 2.5                 | 3.9              | 7                  | 0.005               | 0.41                | 0.0041                | 0.042               | 0.00074            | 0.00035           | 0.0069           |
| Nov 2055 | 42                               | 1.3               | 6.58               | 1.5                 | 2.9                 | 4.47             | 8                  | 0.005               | 0.47                | 0.0043                | 0.046               | 0.00083            | 0.0004            | 0.008            |
| Dec 2055 | 48                               | 1.5               | 7.6                | 1.7                 | 3.3                 | 5.17             | 9                  | 0.005               | 0.54                | 0.0046                | 0.053               | 0.00095            | 0.00045           | 0.009            |
| Jan 2056 | 54                               | 1.7               | 8.6                | 1.9                 | 3.7                 | 5.84             | 10                 | 0.004               | 0.62                | 0.0048                | 0.059               | 0.00107            | 0.00051           | 0.01             |
| Feb 2056 | 56                               | 1.7               | 8.8                | 2.0                 | 3.8                 | 6.01             | 10                 | 0.004               | 0.63                | 0.0046                | 0.06                | 0.00109            | 0.00052           | 0.01             |
| Mar 2056 | 56                               | 1.7               | 8.9                | 2.0                 | 3.8                 | 6.06             | 10                 | 0.003               | 0.64                | 0.0043                | 0.06                | 0.0011             | 0.00053           | 0.01             |
| Apr 2056 | 55                               | 1.7               | 8.6                | 1.9                 | 3.7                 | 5.89             | 10                 | 0.003               | 0.62                | 0.0039                | 0.058               | 0.00106            | 0.00051           | 0.01             |
| May 2056 | 47                               | 1.4               | 7.34               | 1.6                 | 3.2                 | 5.09             | 9                  | 0.002               | 0.54                | 0.0032                | 0.049               | 0.0009             | 0.00043           | 0.009            |
| Jun 2056 | 38                               | 1.1               | 5.6                | 1.32                | 2.5                 | 4.11             | 7                  | 0.0038              | 0.43                | 0.0033                | 0.039               | 0.00072            | 0.00034           | 0.007            |
| Jul 2056 | 33                               | 1.0               | 4.98               | 1.19                | 2.3                 | 3.51             | 6                  | 0.0055              | 0.37                | 0.004                 | 0.038               | 0.00067            | 0.00032           | 0.0063           |
| Aug 2056 | 32                               | 1.0               | 4.99               | 1.18                | 2.3                 | 3.42             | 6                  | 0.0055              | 0.36                | 0.0041                | 0.039               | 0.00068            | 0.00032           | 0.0063           |
| Sep 2056 | 33                               | 1.1               | 5.17               | 1.21                | 2.3                 | 3.54             | 6                  | 0.0052              | 0.37                | 0.0041                | 0.039               | 0.00069            | 0.00033           | 0.0064           |
| Oct 2056 | 36                               | 1.1               | 5.61               | 1.31                | 2.5                 | 3.87             | 7                  | 0.005               | 0.4                 | 0.0041                | 0.042               | 0.00074            | 0.00035           | 0.0069           |
| Nov 2056 | 41                               | 1.3               | 6.4                | 1.5                 | 2.8                 | 4.43             | 8                  | 0.005               | 0.46                | 0.0043                | 0.046               | 0.00083            | 0.0004            | 0.0079           |
| Dec 2056 | 48                               | 1.5               | 7.4                | 1.7                 | 3.3                 | 5.12             | 9                  | 0.005               | 0.54                | 0.0046                | 0.053               | 0.00095            | 0.00045           | 0.009            |
| Jan 2057 | 54                               | 1.6               | 8.3                | 1.9                 | 3.7                 | 5.8              | 10                 | 0.004               | 0.61                | 0.0048                | 0.059               | 0.00106            | 0.00051           | 0.01             |
| Feb 2057 | 55                               | 1.7               | 8.5                | 2.0                 | 3.8                 | 5.9              | 10                 | 0.004               | 0.63                | 0.0046                | 0.06                | 0.00108            | 0.00052           | 0.01             |
| Mar 2057 | 56                               | 1.7               | 8.6                | 2.0                 | 3.8                 | 6.0              | 10                 | 0.003               | 0.63                | 0.0043                | 0.06                | 0.00109            | 0.00052           | 0.01             |
| Apr 2057 | 54                               | 1.6               | 8.3                | 1.9                 | 3.7                 | 5.8              | 10                 | 0.003               | 0.61                | 0.0039                | 0.058               | 0.00106            | 0.00051           | 0.01             |

**Table 8F3-1      Predicted Slipper Lake Water Quality  
Part A**

| Month    | Total Dissolved Solids<br>(mg/L) | Calcium<br>(mg/L) | Chloride<br>(mg/L) | Magnesium<br>(mg/L) | Potassium<br>(mg/L) | Sodium<br>(mg/L) | Sulphate<br>(mg/L) | Ammonia<br>(mg N/L) | Nitrate<br>(mg N/L) | Phosphate<br>(mg P/L) | Aluminium<br>(mg/L) | Antimony<br>(mg/L) | Arsenic<br>(mg/L) | Barium<br>(mg/L) |
|----------|----------------------------------|-------------------|--------------------|---------------------|---------------------|------------------|--------------------|---------------------|---------------------|-----------------------|---------------------|--------------------|-------------------|------------------|
| May 2057 | 47                               | 1.4               | 7.1                | 1.6                 | 3.1                 | 5.04             | 8                  | 0.002               | 0.53                | 0.0032                | 0.049               | 0.00089            | 0.00043           | 0.009            |
| Jun 2057 | 37                               | 1.1               | 5.4                | 1.3                 | 2.5                 | 4.06             | 7                  | 0.004               | 0.43                | 0.0033                | 0.039               | 0.00071            | 0.00034           | 0.0069           |
| Jul 2057 | 32                               | 1.0               | 4.8                | 1.2                 | 2.2                 | 3.5              | 6                  | 0.006               | 0.36                | 0.004                 | 0.038               | 0.00067            | 0.00032           | 0.0063           |
| Aug 2057 | 32                               | 1.0               | 4.9                | 1.2                 | 2.2                 | 3.4              | 6                  | 0.006               | 0.35                | 0.0041                | 0.039               | 0.00067            | 0.00032           | 0.0063           |
| Sep 2057 | 33                               | 1.0               | 5.0                | 1.2                 | 2.3                 | 3.5              | 6                  | 0.005               | 0.36                | 0.0041                | 0.039               | 0.00069            | 0.00033           | 0.0064           |
| Oct 2057 | 36                               | 1.1               | 5.5                | 1.3                 | 2.5                 | 3.8              | 7                  | 0.005               | 0.4                 | 0.0041                | 0.042               | 0.00074            | 0.00035           | 0.0069           |
| Nov 2057 | 41                               | 1.3               | 6.2                | 1.5                 | 2.8                 | 4.4              | 7                  | 0.005               | 0.46                | 0.0043                | 0.046               | 0.00083            | 0.00039           | 0.008            |
| Dec 2057 | 47                               | 1.4               | 7.2                | 1.7                 | 3.2                 | 5.1              | 9                  | 0.005               | 0.53                | 0.0046                | 0.053               | 0.00094            | 0.00045           | 0.009            |
| Jan 2058 | 53                               | 1.6               | 8.1                | 1.9                 | 3.6                 | 5.7              | 10                 | 0.004               | 0.6                 | 0.0048                | 0.059               | 0.0011             | 0.00051           | 0.01             |
| Feb 2058 | 55                               | 1.7               | 8.3                | 2.0                 | 3.7                 | 5.9              | 10                 | 0.004               | 0.62                | 0.0046                | 0.06                | 0.0011             | 0.00052           | 0.01             |
| Mar 2058 | 55                               | 1.7               | 8.4                | 2.0                 | 3.7                 | 5.9              | 10                 | 0.003               | 0.62                | 0.0043                | 0.06                | 0.0011             | 0.00052           | 0.01             |
| Apr 2058 | 53                               | 1.6               | 8.1                | 1.9                 | 3.6                 | 5.8              | 10                 | 0.003               | 0.6                 | 0.0039                | 0.058               | 0.001              | 0.0005            | 0.01             |
| May 2058 | 46                               | 1.4               | 6.9                | 1.6                 | 3.1                 | 5.0              | 8                  | 0.002               | 0.52                | 0.0032                | 0.049               | 0.0009             | 0.00043           | 0.009            |
| Jun 2058 | 37                               | 1.1               | 5.3                | 1.3                 | 2.5                 | 4.0              | 7                  | 0.004               | 0.42                | 0.0033                | 0.039               | 0.0007             | 0.00034           | 0.007            |
| Jul 2058 | 32                               | 1.0               | 4.8                | 1.2                 | 2.2                 | 3.5              | 6                  | 0.005               | 0.36                | 0.004                 | 0.038               | 0.0007             | 0.00032           | 0.006            |
| Aug 2058 | 32                               | 1.0               | 4.8                | 1.2                 | 2.2                 | 3.4              | 6                  | 0.006               | 0.35                | 0.0041                | 0.039               | 0.0007             | 0.00032           | 0.006            |
| Sep 2058 | 33                               | 1.0               | 5.0                | 1.2                 | 2.3                 | 3.5              | 6                  | 0.005               | 0.36                | 0.0041                | 0.039               | 0.0007             | 0.00033           | 0.006            |
| Oct 2058 | 36                               | 1.1               | 5.4                | 1.3                 | 2.5                 | 3.8              | 6                  | 0.005               | 0.4                 | 0.0041                | 0.042               | 0.0007             | 0.00035           | 0.007            |
| Nov 2058 | 41                               | 1.2               | 6.1                | 1.5                 | 2.8                 | 4.4              | 7                  | 0.005               | 0.46                | 0.0043                | 0.046               | 0.0008             | 0.00039           | 0.008            |
| Dec 2058 | 47                               | 1.4               | 7.1                | 1.7                 | 3.2                 | 5.1              | 9                  | 0.005               | 0.5                 | 0.0046                | 0.053               | 0.0009             | 0.00045           | 0.009            |
| Jan 2059 | 53                               | 1.6               | 8                  | 1.9                 | 3.6                 | 6                | 10                 | 0.004               | 0.6                 | 0.0048                | 0.059               | 0.0011             | 0.0005            | 0.01             |
| Feb 2059 | 54                               | 1.6               | 8                  | 2.0                 | 3.7                 | 6                | 10                 | 0.004               | 0.6                 | 0.0046                | 0.06                | 0.0011             | 0.00051           | 0.01             |
| Mar 2059 | 55                               | 1.6               | 8                  | 2.0                 | 3.7                 | 6                | 10                 | 0.003               | 0.6                 | 0.0043                | 0.06                | 0.0011             | 0.00052           | 0.01             |
| Apr 2059 | 53                               | 1.6               | 8                  | 1.9                 | 3.6                 | 6                | 10                 | 0.003               | 0.6                 | 0.0039                | 0.058               | 0.001              | 0.0005            | 0.01             |
| May 2059 | 46                               | 1.3               | 6.8                | 1.6                 | 3.1                 | 5.0              | 8                  | 0.002               | 0.5                 | 0.0032                | 0.049               | 0.0009             | 0.00043           | 0.009            |
| Jun 2059 | 37                               | 1.1               | 5.2                | 1.3                 | 2.5                 | 4.0              | 7                  | 0.004               | 0.4                 | 0.0033                | 0.039               | 0.0007             | 0.00034           | 0.007            |
| Jul 2059 | 32                               | 1.0               | 4.6                | 1.2                 | 2.2                 | 3.4              | 6                  | 0.005               | 0.35                | 0.004                 | 0.038               | 0.0007             | 0.00031           | 0.006            |
| Aug 2059 | 31                               | 1.0               | 4.7                | 1.2                 | 2.2                 | 3.3              | 6                  | 0.006               | 0.34                | 0.0042                | 0.039               | 0.0007             | 0.00032           | 0.006            |
| Sep 2059 | 32                               | 1.0               | 4.8                | 1.2                 | 2.2                 | 3.4              | 6                  | 0.005               | 0.36                | 0.0041                | 0.039               | 0.0007             | 0.00032           | 0.006            |
| Oct 2059 | 35                               | 1.1               | 5.3                | 1.3                 | 2.4                 | 3.8              | 6                  | 0.005               | 0.39                | 0.0041                | 0.041               | 0.0007             | 0.00035           | 0.007            |
| Nov 2059 | 40                               | 1.2               | 6.0                | 1.5                 | 2.8                 | 4.3              | 7                  | 0.005               | 0.45                | 0.0043                | 0.046               | 0.0008             | 0.00039           | 0.008            |
| Dec 2059 | 46                               | 1.4               | 6.9                | 1.7                 | 3.2                 | 5.0              | 8                  | 0.005               | 0.5                 | 0.0046                | 0.052               | 0.0009             | 0.00045           | 0.009            |
| Jan 2060 | 52                               | 1.6               | 8                  | 1.9                 | 3.6                 | 5.6              | 9                  | 0.004               | 0.6                 | 0.0048                | 0.059               | 0.001              | 0.0005            | 0.01             |

Source: ERM Rescan Environmental Services Ltd. 2014. Water Balance and Water Quality Modelling Related to the Jay Project. Submitted to Dominion Diamond Ekati Corporation, Yellowknife, NWT.

mg/L = milligrams per litre; mg N/L = milligrams nitrogen per litre; mg P/L = milligrams phosphorus per litre.



**Table 8F3-1      Predicted Slipper Lake Water Quality  
Part B**

| Month    | Boron<br>(mg/L) | Cadmium<br>(mg/L) | Chromium<br>(mg/L) | Copper<br>(mg/L) | Iron<br>(mg/L) | Lead<br>(mg/L) | Manganese<br>(mg/L) | Molybdenum<br>(mg/L) | Nickel<br>(mg/L) | Selenium<br>(mg/L) | Strontium<br>(mg/L) | Vanadium<br>(mg/L) | Zinc<br>(mg/L) |
|----------|-----------------|-------------------|--------------------|------------------|----------------|----------------|---------------------|----------------------|------------------|--------------------|---------------------|--------------------|----------------|
| May 2000 | 0.000023        | 0.000025          | 0.00013            | 0.00062          | 0.048          | 0.00012        | 0.0031              | 0.0012               | 0.00062          | 0.00048            | 0.012               | 0.000032           | 0.00062        |
| Jun 2000 | 0.00032         | 0.000022          | 0.00014            | 0.00069          | 0.029          | 0.000077       | 0.0032              | 0.0007               | 0.0006           | 0.00029            | 0.0089              | 0.00005            | 0.00071        |
| Jul 2000 | 0.00064         | 0.000023          | 0.00017            | 0.00092          | 0.017          | 0.00005        | 0.004               | 0.00039              | 0.00082          | 0.00016            | 0.0082              | 0.000073           | 0.001          |
| Aug 2000 | 0.00074         | 0.000024          | 0.00018            | 0.001            | 0.015          | 0.000045       | 0.0045              | 0.00034              | 0.00095          | 0.00013            | 0.0086              | 0.000081           | 0.0012         |
| Sep 2000 | 0.00078         | 0.000024          | 0.00018            | 0.0011           | 0.015          | 0.000045       | 0.0047              | 0.00035              | 0.001            | 0.00012            | 0.0089              | 0.000086           | 0.0013         |
| Oct 2000 | 0.00084         | 0.000026          | 0.0002             | 0.0012           | 0.015          | 0.000047       | 0.005               | 0.00038              | 0.0011           | 0.00012            | 0.0095              | 0.000092           | 0.0015         |
| Nov 2000 | 0.00093         | 0.000029          | 0.00022            | 0.0013           | 0.017          | 0.000053       | 0.0056              | 0.00046              | 0.0013           | 0.00013            | 0.011               | 0.0001             | 0.0017         |
| Dec 2000 | 0.001           | 0.000033          | 0.00025            | 0.0015           | 0.019          | 0.000062       | 0.0064              | 0.00056              | 0.0015           | 0.00014            | 0.012               | 0.00012            | 0.002          |
| Jan 2001 | 0.0012          | 0.000036          | 0.00028            | 0.0017           | 0.021          | 0.000069       | 0.0071              | 0.00062              | 0.0016           | 0.00016            | 0.014               | 0.00013            | 0.0022         |
| Feb 2001 | 0.0012          | 0.000037          | 0.00028            | 0.0018           | 0.021          | 0.00007        | 0.0072              | 0.00063              | 0.0016           | 0.00016            | 0.014               | 0.00013            | 0.0022         |
| Mar 2001 | 0.0012          | 0.000037          | 0.00028            | 0.0018           | 0.021          | 0.00007        | 0.0072              | 0.00063              | 0.0016           | 0.00016            | 0.014               | 0.00013            | 0.0022         |
| Apr 2001 | 0.0011          | 0.000036          | 0.00027            | 0.0017           | 0.021          | 0.000068       | 0.007               | 0.00061              | 0.0016           | 0.00015            | 0.014               | 0.00013            | 0.0022         |
| May 2001 | 0.00096         | 0.00003           | 0.00023            | 0.0014           | 0.017          | 0.000058       | 0.0059              | 0.00053              | 0.0013           | 0.00013            | 0.012               | 0.00011            | 0.0018         |
| Jun 2001 | 0.00077         | 0.000024          | 0.00018            | 0.0011           | 0.013          | 0.000048       | 0.0045              | 0.00051              | 0.001            | 0.000082           | 0.0088              | 0.000087           | 0.0015         |
| Jul 2001 | 0.00079         | 0.000023          | 0.00018            | 0.0011           | 0.012          | 0.000045       | 0.0043              | 0.00052              | 0.00099          | 0.000064           | 0.0084              | 0.000087           | 0.0015         |
| Aug 2001 | 0.00083         | 0.000024          | 0.00018            | 0.0012           | 0.012          | 0.000046       | 0.0045              | 0.00058              | 0.001            | 0.000063           | 0.0088              | 0.00009            | 0.0016         |
| Sep 2001 | 0.00086         | 0.000024          | 0.00019            | 0.0012           | 0.012          | 0.000047       | 0.0046              | 0.00065              | 0.0011           | 0.000064           | 0.0092              | 0.000092           | 0.0016         |
| Oct 2001 | 0.00092         | 0.000026          | 0.0002             | 0.0013           | 0.013          | 0.000052       | 0.0049              | 0.00079              | 0.0011           | 0.000068           | 0.0099              | 0.000098           | 0.0017         |
| Nov 2001 | 0.001           | 0.000029          | 0.00022            | 0.0014           | 0.015          | 0.000059       | 0.0054              | 0.00094              | 0.0013           | 0.000076           | 0.011               | 0.00011            | 0.002          |
| Dec 2001 | 0.0012          | 0.000033          | 0.00025            | 0.0016           | 0.017          | 0.000067       | 0.0061              | 0.0011               | 0.0014           | 0.000086           | 0.013               | 0.00012            | 0.0022         |
| Jan 2002 | 0.0013          | 0.000036          | 0.00027            | 0.0018           | 0.018          | 0.000074       | 0.0068              | 0.0012               | 0.0016           | 0.000095           | 0.014               | 0.00014            | 0.0025         |
| Feb 2002 | 0.0013          | 0.000037          | 0.00028            | 0.0018           | 0.019          | 0.000075       | 0.0069              | 0.0012               | 0.0016           | 0.000097           | 0.014               | 0.00014            | 0.0025         |
| Mar 2002 | 0.0013          | 0.000037          | 0.00028            | 0.0018           | 0.019          | 0.000075       | 0.0069              | 0.0012               | 0.0016           | 0.000097           | 0.014               | 0.00014            | 0.0025         |
| Apr 2002 | 0.0013          | 0.000035          | 0.00027            | 0.0017           | 0.018          | 0.000073       | 0.0067              | 0.0012               | 0.0016           | 0.000094           | 0.014               | 0.00013            | 0.0024         |
| May 2002 | 0.0011          | 0.00003           | 0.00022            | 0.0015           | 0.015          | 0.000062       | 0.0056              | 0.001                | 0.0013           | 0.000079           | 0.012               | 0.00011            | 0.002          |
| Jun 2002 | 0.00091         | 0.000025          | 0.00019            | 0.0012           | 0.012          | 0.000051       | 0.0045              | 0.00096              | 0.001            | 0.000065           | 0.0095              | 0.000094           | 0.0016         |
| Jul 2002 | 0.00092         | 0.000024          | 0.00018            | 0.0011           | 0.012          | 0.000048       | 0.0042              | 0.0011               | 0.00096          | 0.000062           | 0.009               | 0.000093           | 0.0015         |
| Aug 2002 | 0.00096         | 0.000024          | 0.00018            | 0.0011           | 0.012          | 0.000047       | 0.0043              | 0.0011               | 0.00099          | 0.000063           | 0.0092              | 0.000095           | 0.0015         |
| Sep 2002 | 0.0010          | 0.000025          | 0.00019            | 0.0012           | 0.012          | 0.000048       | 0.0045              | 0.0012               | 0.001            | 0.000064           | 0.0095              | 0.000098           | 0.0016         |
| Oct 2002 | 0.0011          | 0.000027          | 0.0002             | 0.0012           | 0.013          | 0.00005        | 0.0048              | 0.0012               | 0.0011           | 0.000067           | 0.01                | 0.0001             | 0.0017         |
| Nov 2002 | 0.0012          | 0.00003           | 0.00022            | 0.0014           | 0.014          | 0.000056       | 0.0054              | 0.0015               | 0.0013           | 0.000075           | 0.012               | 0.00012            | 0.0019         |
| Dec 2002 | 0.0014          | 0.000034          | 0.00025            | 0.0016           | 0.016          | 0.000063       | 0.0062              | 0.0017               | 0.0015           | 0.000086           | 0.013               | 0.00013            | 0.0022         |
| Jan 2003 | 0.0015          | 0.000038          | 0.00028            | 0.0018           | 0.018          | 0.00007        | 0.0069              | 0.0019               | 0.0016           | 0.000096           | 0.015               | 0.00015            | 0.0024         |
| Feb 2003 | 0.0016          | 0.000038          | 0.00029            | 0.0018           | 0.018          | 0.000071       | 0.007               | 0.0019               | 0.0016           | 0.000097           | 0.015               | 0.00015            | 0.0024         |
| Mar 2003 | 0.0016          | 0.000038          | 0.00029            | 0.0018           | 0.018          | 0.000071       | 0.007               | 0.0019               | 0.0016           | 0.000097           | 0.015               | 0.00015            | 0.0024         |
| Apr 2003 | 0.0015          | 0.000037          | 0.00028            | 0.0017           | 0.018          | 0.000069       | 0.0068              | 0.0019               | 0.0016           | 0.000094           | 0.015               | 0.00015            | 0.0024         |
| May 2003 | 0.0013          | 0.000031          | 0.00023            | 0.0015           | 0.015          | 0.000058       | 0.0057              | 0.0016               | 0.0013           | 0.000079           | 0.012               | 0.00012            | 0.002          |
| Jun 2003 | 0.0011          | 0.000026          | 0.00019            | 0.0012           | 0.012          | 0.000046       | 0.0047              | 0.0018               | 0.0011           | 0.000067           | 0.011               | 0.00011            | 0.0016         |
| Jul 2003 | 0.0012          | 0.000026          | 0.00019            | 0.0011           | 0.011          | 0.000044       | 0.0045              | 0.0024               | 0.0011           | 0.000067           | 0.011               | 0.00011            | 0.0015         |

**Table 8F3-1      Predicted Slipper Lake Water Quality  
Part B**

| Month    | Boron<br>(mg/L) | Cadmium<br>(mg/L) | Chromium<br>(mg/L) | Copper<br>(mg/L) | Iron<br>(mg/L) | Lead<br>(mg/L) | Manganese<br>(mg/L) | Molybdenum<br>(mg/L) | Nickel<br>(mg/L) | Selenium<br>(mg/L) | Strontium<br>(mg/L) | Vanadium<br>(mg/L) | Zinc<br>(mg/L) |
|----------|-----------------|-------------------|--------------------|------------------|----------------|----------------|---------------------|----------------------|------------------|--------------------|---------------------|--------------------|----------------|
| Aug 2003 | 0.0013          | 0.000027          | 0.0002             | 0.0011           | 0.011          | 0.000044       | 0.0047              | 0.0026               | 0.0011           | 0.000069           | 0.012               | 0.00012            | 0.0016         |
| Sep 2003 | 0.0014          | 0.000027          | 0.0002             | 0.0012           | 0.012          | 0.000044       | 0.0048              | 0.0028               | 0.0012           | 0.000071           | 0.012               | 0.00012            | 0.0016         |
| Oct 2003 | 0.0015          | 0.000029          | 0.00022            | 0.0013           | 0.012          | 0.000047       | 0.0052              | 0.0033               | 0.0013           | 0.000077           | 0.014               | 0.00013            | 0.0017         |
| Nov 2003 | 0.0018          | 0.000034          | 0.00024            | 0.0014           | 0.014          | 0.000054       | 0.006               | 0.0042               | 0.0015           | 0.000089           | 0.016               | 0.00015            | 0.002          |
| Dec 2003 | 0.0021          | 0.000039          | 0.00028            | 0.0017           | 0.016          | 0.000062       | 0.0069              | 0.0053               | 0.0018           | 0.0001             | 0.02                | 0.00018            | 0.0023         |
| Jan 2004 | 0.0026          | 0.000046          | 0.00032            | 0.0019           | 0.019          | 0.000074       | 0.008               | 0.0074               | 0.0021           | 0.00013            | 0.025               | 0.00022            | 0.0028         |
| Feb 2004 | 0.0032          | 0.000052          | 0.00035            | 0.002            | 0.02           | 0.000084       | 0.0085              | 0.011                | 0.0024           | 0.00015            | 0.031               | 0.00027            | 0.003          |
| Mar 2004 | 0.0038          | 0.000056          | 0.00036            | 0.002            | 0.021          | 0.000092       | 0.0086              | 0.015                | 0.0026           | 0.00018            | 0.037               | 0.00031            | 0.0031         |
| Apr 2004 | 0.0039          | 0.000057          | 0.00035            | 0.0019           | 0.02           | 0.000092       | 0.0084              | 0.016                | 0.0026           | 0.00018            | 0.038               | 0.00032            | 0.0031         |
| May 2004 | 0.0033          | 0.000048          | 0.0003             | 0.0016           | 0.017          | 0.000077       | 0.007               | 0.014                | 0.0022           | 0.00015            | 0.033               | 0.00027            | 0.0026         |
| Jun 2004 | 0.0029          | 0.00004           | 0.00024            | 0.0012           | 0.013          | 0.000061       | 0.0053              | 0.013                | 0.0017           | 0.00013            | 0.029               | 0.00024            | 0.0019         |
| Jul 2004 | 0.003           | 0.00004           | 0.00024            | 0.0011           | 0.012          | 0.000057       | 0.0049              | 0.014                | 0.0015           | 0.00014            | 0.029               | 0.00024            | 0.0017         |
| Aug 2004 | 0.003           | 0.000041          | 0.00024            | 0.0011           | 0.013          | 0.000056       | 0.005               | 0.014                | 0.0016           | 0.00014            | 0.029               | 0.00025            | 0.0017         |
| Sep 2004 | 0.003           | 0.000041          | 0.00025            | 0.0011           | 0.013          | 0.000056       | 0.0052              | 0.014                | 0.0016           | 0.00014            | 0.03                | 0.00025            | 0.0017         |
| Oct 2004 | 0.0032          | 0.000044          | 0.00027            | 0.0012           | 0.014          | 0.000059       | 0.0056              | 0.015                | 0.0018           | 0.00015            | 0.032               | 0.00027            | 0.0019         |
| Nov 2004 | 0.0036          | 0.00005           | 0.0003             | 0.0014           | 0.015          | 0.000066       | 0.0065              | 0.017                | 0.002            | 0.00017            | 0.036               | 0.00031            | 0.0021         |
| Dec 2004 | 0.0044          | 0.000059          | 0.00035            | 0.0017           | 0.018          | 0.000077       | 0.0076              | 0.021                | 0.0025           | 0.0002             | 0.045               | 0.00036            | 0.0025         |
| Jan 2005 | 0.0051          | 0.000068          | 0.0004             | 0.0019           | 0.02           | 0.000088       | 0.0088              | 0.025                | 0.0029           | 0.00023            | 0.053               | 0.00043            | 0.0029         |
| Feb 2005 | 0.0052          | 0.000069          | 0.00041            | 0.0019           | 0.02           | 0.00009        | 0.0089              | 0.025                | 0.0029           | 0.00024            | 0.054               | 0.00043            | 0.003          |
| Mar 2005 | 0.0052          | 0.000069          | 0.00041            | 0.0019           | 0.02           | 0.00009        | 0.0089              | 0.025                | 0.0029           | 0.00024            | 0.054               | 0.00043            | 0.003          |
| Apr 2005 | 0.005           | 0.000067          | 0.0004             | 0.0019           | 0.02           | 0.000087       | 0.0087              | 0.024                | 0.0028           | 0.00023            | 0.053               | 0.00042            | 0.0029         |
| May 2005 | 0.0043          | 0.000057          | 0.00033            | 0.0016           | 0.017          | 0.000073       | 0.0073              | 0.021                | 0.0024           | 0.0002             | 0.045               | 0.00036            | 0.0024         |
| Jun 2005 | 0.0037          | 0.000048          | 0.00028            | 0.0012           | 0.013          | 0.000057       | 0.0058              | 0.019                | 0.0019           | 0.00017            | 0.044               | 0.00031            | 0.0019         |
| Jul 2005 | 0.0035          | 0.000046          | 0.00027            | 0.0011           | 0.013          | 0.000051       | 0.0055              | 0.018                | 0.0018           | 0.00017            | 0.046               | 0.0003             | 0.0017         |
| Aug 2005 | 0.0034          | 0.000045          | 0.00027            | 0.0011           | 0.013          | 0.000049       | 0.0056              | 0.016                | 0.0017           | 0.00016            | 0.045               | 0.00028            | 0.0017         |
| Sep 2005 | 0.0033          | 0.000045          | 0.00027            | 0.0012           | 0.013          | 0.000048       | 0.0057              | 0.016                | 0.0017           | 0.00016            | 0.044               | 0.00028            | 0.0017         |
| Oct 2005 | 0.0034          | 0.000047          | 0.00028            | 0.0013           | 0.013          | 0.000049       | 0.0061              | 0.016                | 0.0018           | 0.00016            | 0.045               | 0.00029            | 0.0018         |
| Nov 2005 | 0.0037          | 0.000052          | 0.00031            | 0.0014           | 0.015          | 0.000055       | 0.0067              | 0.018                | 0.002            | 0.00018            | 0.05                | 0.00032            | 0.002          |
| Dec 2005 | 0.0042          | 0.000058          | 0.00035            | 0.0016           | 0.016          | 0.000062       | 0.0076              | 0.02                 | 0.0023           | 0.0002             | 0.057               | 0.00036            | 0.0022         |
| Jan 2006 | 0.0047          | 0.000065          | 0.00039            | 0.0017           | 0.018          | 0.000069       | 0.0084              | 0.022                | 0.0025           | 0.00022            | 0.063               | 0.0004             | 0.0025         |
| Feb 2006 | 0.0048          | 0.000066          | 0.0004             | 0.0018           | 0.019          | 0.00007        | 0.0085              | 0.022                | 0.0026           | 0.00023            | 0.064               | 0.0004             | 0.0025         |
| Mar 2006 | 0.0048          | 0.000066          | 0.0004             | 0.0018           | 0.019          | 0.00007        | 0.0085              | 0.022                | 0.0026           | 0.00023            | 0.064               | 0.0004             | 0.0025         |
| Apr 2006 | 0.0046          | 0.000064          | 0.00039            | 0.0017           | 0.018          | 0.000068       | 0.0083              | 0.022                | 0.0025           | 0.00022            | 0.062               | 0.00039            | 0.0024         |
| May 2006 | 0.0039          | 0.000053          | 0.00033            | 0.0015           | 0.015          | 0.000056       | 0.007               | 0.018                | 0.0021           | 0.00018            | 0.052               | 0.00033            | 0.0021         |
| Jun 2006 | 0.0026          | 0.000039          | 0.00025            | 0.0012           | 0.012          | 0.00004        | 0.0057              | 0.011                | 0.0016           | 0.00013            | 0.039               | 0.00022            | 0.0016         |
| Jul 2006 | 0.0024          | 0.000036          | 0.00024            | 0.0012           | 0.011          | 0.000035       | 0.0055              | 0.0097               | 0.0015           | 0.00012            | 0.046               | 0.0002             | 0.0015         |
| Aug 2006 | 0.0026          | 0.000038          | 0.00025            | 0.0012           | 0.011          | 0.000036       | 0.0057              | 0.011                | 0.0015           | 0.00012            | 0.055               | 0.00021            | 0.0016         |
| Sep 2006 | 0.0027          | 0.00004           | 0.00026            | 0.0012           | 0.011          | 0.000037       | 0.0059              | 0.011                | 0.0016           | 0.00013            | 0.061               | 0.00022            | 0.0016         |
| Oct 2006 | 0.0031          | 0.000044          | 0.00028            | 0.0013           | 0.012          | 0.00004        | 0.0063              | 0.013                | 0.0017           | 0.00015            | 0.074               | 0.00025            | 0.0017         |



**Table 8F3-1      Predicted Slipper Lake Water Quality  
Part B**

| Month    | Boron<br>(mg/L) | Cadmium<br>(mg/L) | Chromium<br>(mg/L) | Copper<br>(mg/L) | Iron<br>(mg/L) | Lead<br>(mg/L) | Manganese<br>(mg/L) | Molybdenum<br>(mg/L) | Nickel<br>(mg/L) | Selenium<br>(mg/L) | Strontium<br>(mg/L) | Vanadium<br>(mg/L) | Zinc<br>(mg/L) |
|----------|-----------------|-------------------|--------------------|------------------|----------------|----------------|---------------------|----------------------|------------------|--------------------|---------------------|--------------------|----------------|
| Nov 2006 | 0.0037          | 0.000052          | 0.00033            | 0.0014           | 0.014          | 0.000046       | 0.0073              | 0.017                | 0.0021           | 0.00018            | 0.094               | 0.0003             | 0.002          |
| Dec 2006 | 0.0046          | 0.000063          | 0.00039            | 0.0016           | 0.016          | 0.000055       | 0.0086              | 0.022                | 0.0025           | 0.00022            | 0.12                | 0.00037            | 0.0023         |
| Jan 2007 | 0.0054          | 0.000072          | 0.00044            | 0.0019           | 0.018          | 0.000063       | 0.0098              | 0.026                | 0.0029           | 0.00026            | 0.15                | 0.00043            | 0.0026         |
| Feb 2007 | 0.0055          | 0.000073          | 0.00045            | 0.0019           | 0.018          | 0.000064       | 0.010               | 0.026                | 0.0029           | 0.00027            | 0.15                | 0.00044            | 0.0027         |
| Mar 2007 | 0.0055          | 0.000073          | 0.00045            | 0.0019           | 0.018          | 0.000064       | 0.010               | 0.026                | 0.0029           | 0.00027            | 0.15                | 0.00044            | 0.0027         |
| Apr 2007 | 0.0053          | 0.000071          | 0.00044            | 0.0018           | 0.018          | 0.000062       | 0.0097              | 0.026                | 0.0028           | 0.00026            | 0.15                | 0.00043            | 0.0026         |
| May 2007 | 0.0046          | 0.000061          | 0.00037            | 0.0015           | 0.015          | 0.000053       | 0.0082              | 0.022                | 0.0024           | 0.00022            | 0.13                | 0.00036            | 0.0022         |
| Jun 2007 | 0.0042          | 0.000054          | 0.00032            | 0.0012           | 0.012          | 0.000045       | 0.0067              | 0.022                | 0.002            | 0.0002             | 0.13                | 0.00033            | 0.0017         |
| Jul 2007 | 0.0047          | 0.000059          | 0.00034            | 0.0011           | 0.012          | 0.000047       | 0.0067              | 0.025                | 0.002            | 0.00022            | 0.17                | 0.00036            | 0.0016         |
| Aug 2007 | 0.0051          | 0.000063          | 0.00036            | 0.0012           | 0.013          | 0.000049       | 0.0071              | 0.027                | 0.0021           | 0.00023            | 0.2                 | 0.00038            | 0.0017         |
| Sep 2007 | 0.0054          | 0.000067          | 0.00038            | 0.0012           | 0.013          | 0.000051       | 0.0074              | 0.029                | 0.0022           | 0.00025            | 0.22                | 0.0004             | 0.0018         |
| Oct 2007 | 0.006           | 0.000074          | 0.00042            | 0.0013           | 0.014          | 0.000055       | 0.0081              | 0.033                | 0.0024           | 0.00027            | 0.25                | 0.00045            | 0.0019         |
| Nov 2007 | 0.0071          | 0.000086          | 0.00048            | 0.0014           | 0.016          | 0.000064       | 0.0094              | 0.039                | 0.0028           | 0.00032            | 0.31                | 0.00052            | 0.0022         |
| Dec 2007 | 0.0083          | 0.00010           | 0.00056            | 0.0016           | 0.018          | 0.000073       | 0.011               | 0.046                | 0.0032           | 0.00037            | 0.36                | 0.00061            | 0.0025         |
| Jan 2008 | 0.0092          | 0.00011           | 0.00062            | 0.0018           | 0.02           | 0.000081       | 0.012               | 0.051                | 0.0036           | 0.00041            | 0.4                 | 0.00067            | 0.0027         |
| Feb 2008 | 0.0093          | 0.00011           | 0.00063            | 0.0018           | 0.021          | 0.000083       | 0.012               | 0.052                | 0.0036           | 0.00042            | 0.41                | 0.00068            | 0.0028         |
| Mar 2008 | 0.0093          | 0.00011           | 0.00063            | 0.0018           | 0.021          | 0.000083       | 0.012               | 0.052                | 0.0036           | 0.00042            | 0.41                | 0.00068            | 0.0028         |
| Apr 2008 | 0.0091          | 0.00011           | 0.00061            | 0.0018           | 0.02           | 0.000081       | 0.012               | 0.051                | 0.0035           | 0.00041            | 0.4                 | 0.00067            | 0.0027         |
| May 2008 | 0.0078          | 0.000094          | 0.00052            | 0.0015           | 0.017          | 0.000068       | 0.01                | 0.043                | 0.003            | 0.00035            | 0.34                | 0.00057            | 0.0023         |
| Jun 2008 | 0.006           | 0.000074          | 0.00041            | 0.0012           | 0.013          | 0.000053       | 0.0078              | 0.033                | 0.0023           | 0.00026            | 0.28                | 0.00044            | 0.0017         |
| Jul 2008 | 0.0046          | 0.00006           | 0.00035            | 0.0011           | 0.012          | 0.000043       | 0.0067              | 0.024                | 0.0018           | 0.0002             | 0.22                | 0.00034            | 0.0015         |
| Aug 2008 | 0.004           | 0.000054          | 0.00032            | 0.0011           | 0.011          | 0.00004        | 0.0065              | 0.02                 | 0.0017           | 0.00017            | 0.19                | 0.0003             | 0.0015         |
| Sep 2008 | 0.0036          | 0.000051          | 0.00031            | 0.0012           | 0.011          | 0.000039       | 0.0065              | 0.018                | 0.0017           | 0.00016            | 0.17                | 0.00027            | 0.0015         |
| Oct 2008 | 0.0035          | 0.000051          | 0.00032            | 0.0013           | 0.012          | 0.000039       | 0.0069              | 0.017                | 0.0018           | 0.00015            | 0.16                | 0.00027            | 0.0017         |
| Nov 2008 | 0.0041          | 0.000059          | 0.00036            | 0.0014           | 0.013          | 0.000044       | 0.008               | 0.02                 | 0.0021           | 0.00018            | 0.19                | 0.00031            | 0.002          |
| Dec 2008 | 0.0051          | 0.000071          | 0.00043            | 0.0017           | 0.015          | 0.000052       | 0.0095              | 0.025                | 0.0025           | 0.00022            | 0.25                | 0.00038            | 0.0023         |
| Jan 2009 | 0.0061          | 0.000084          | 0.00049            | 0.0019           | 0.018          | 0.00006        | 0.011               | 0.03                 | 0.0029           | 0.00026            | 0.3                 | 0.00044            | 0.0026         |
| Feb 2009 | 0.0062          | 0.000085          | 0.0005             | 0.0019           | 0.018          | 0.000061       | 0.011               | 0.031                | 0.003            | 0.00026            | 0.31                | 0.00045            | 0.0027         |
| Mar 2009 | 0.0062          | 0.000085          | 0.0005             | 0.0019           | 0.018          | 0.000061       | 0.011               | 0.031                | 0.003            | 0.00026            | 0.31                | 0.00045            | 0.0027         |
| Apr 2009 | 0.006           | 0.000083          | 0.00049            | 0.0019           | 0.017          | 0.00006        | 0.011               | 0.03                 | 0.0029           | 0.00025            | 0.3                 | 0.00044            | 0.0026         |
| May 2009 | 0.0052          | 0.000071          | 0.00042            | 0.0016           | 0.015          | 0.000051       | 0.0092              | 0.026                | 0.0025           | 0.00022            | 0.26                | 0.00038            | 0.0022         |
| Jun 2009 | 0.0048          | 0.000064          | 0.00036            | 0.0012           | 0.012          | 0.000043       | 0.0076              | 0.025                | 0.002            | 0.0002             | 0.26                | 0.00035            | 0.0017         |
| Jul 2009 | 0.0051          | 0.000066          | 0.00036            | 0.0011           | 0.012          | 0.000043       | 0.0073              | 0.027                | 0.0019           | 0.00021            | 0.29                | 0.00037            | 0.0015         |
| Aug 2009 | 0.0052          | 0.000068          | 0.00037            | 0.0012           | 0.012          | 0.000044       | 0.0075              | 0.028                | 0.002            | 0.00021            | 0.3                 | 0.00038            | 0.0016         |
| Sep 2009 | 0.0054          | 0.000069          | 0.00038            | 0.0012           | 0.013          | 0.000045       | 0.0078              | 0.028                | 0.002            | 0.00021            | 0.31                | 0.00039            | 0.0017         |
| Oct 2009 | 0.0059          | 0.000075          | 0.00041            | 0.0013           | 0.014          | 0.000048       | 0.0084              | 0.031                | 0.0022           | 0.00023            | 0.34                | 0.00043            | 0.0018         |
| Nov 2009 | 0.0068          | 0.000086          | 0.00046            | 0.0015           | 0.016          | 0.000054       | 0.0095              | 0.036                | 0.0026           | 0.00027            | 0.4                 | 0.0005             | 0.002          |
| Dec 2009 | 0.0078          | 0.000098          | 0.00053            | 0.0017           | 0.018          | 0.000062       | 0.011               | 0.041                | 0.0029           | 0.00031            | 0.45                | 0.00057            | 0.0023         |
| Jan 2010 | 0.0088          | 0.00011           | 0.00059            | 0.0019           | 0.02           | 0.00007        | 0.012               | 0.046                | 0.0033           | 0.00035            | 0.51                | 0.00065            | 0.0026         |

**Table 8F3-1      Predicted Slipper Lake Water Quality  
Part B**

| Month    | Boron<br>(mg/L) | Cadmium<br>(mg/L) | Chromium<br>(mg/L) | Copper<br>(mg/L) | Iron<br>(mg/L) | Lead<br>(mg/L) | Manganese<br>(mg/L) | Molybdenum<br>(mg/L) | Nickel<br>(mg/L) | Selenium<br>(mg/L) | Strontium<br>(mg/L) | Vanadium<br>(mg/L) | Zinc<br>(mg/L) |
|----------|-----------------|-------------------|--------------------|------------------|----------------|----------------|---------------------|----------------------|------------------|--------------------|---------------------|--------------------|----------------|
| Feb 2010 | 0.0091          | 0.00011           | 0.00061            | 0.0019           | 0.02           | 0.000072       | 0.013               | 0.048                | 0.0034           | 0.00036            | 0.53                | 0.00067            | 0.0027         |
| Mar 2010 | 0.0092          | 0.00012           | 0.00062            | 0.0019           | 0.021          | 0.000072       | 0.013               | 0.049                | 0.0034           | 0.00036            | 0.54                | 0.00068            | 0.0027         |
| Apr 2010 | 0.0091          | 0.00011           | 0.0006             | 0.0019           | 0.02           | 0.000071       | 0.012               | 0.048                | 0.0033           | 0.00036            | 0.53                | 0.00067            | 0.0026         |
| May 2010 | 0.0078          | 0.000096          | 0.00051            | 0.0016           | 0.017          | 0.00006        | 0.01                | 0.041                | 0.0028           | 0.0003             | 0.46                | 0.00057            | 0.0022         |
| Jun 2010 | 0.0065          | 0.000078          | 0.00041            | 0.0012           | 0.014          | 0.000048       | 0.0082              | 0.034                | 0.0022           | 0.00025            | 0.38                | 0.0005             | 0.0017         |
| Jul 2010 | 0.0056          | 0.000067          | 0.00036            | 0.0011           | 0.013          | 0.000042       | 0.0073              | 0.027                | 0.0019           | 0.00021            | 0.32                | 0.00045            | 0.0015         |
| Aug 2010 | 0.0052          | 0.000063          | 0.00035            | 0.0012           | 0.013          | 0.00004        | 0.0072              | 0.024                | 0.0018           | 0.00019            | 0.29                | 0.00042            | 0.0016         |
| Sep 2010 | 0.0051          | 0.000062          | 0.00035            | 0.0012           | 0.013          | 0.00004        | 0.0073              | 0.023                | 0.0019           | 0.00019            | 0.28                | 0.00042            | 0.0016         |
| Oct 2010 | 0.0055          | 0.000065          | 0.00036            | 0.0013           | 0.014          | 0.000042       | 0.0077              | 0.025                | 0.002            | 0.0002             | 0.29                | 0.00045            | 0.0017         |
| Nov 2010 | 0.0063          | 0.000074          | 0.00041            | 0.0015           | 0.016          | 0.000047       | 0.0087              | 0.028                | 0.0023           | 0.00022            | 0.34                | 0.00053            | 0.0019         |
| Dec 2010 | 0.0074          | 0.000086          | 0.00047            | 0.0017           | 0.019          | 0.000055       | 0.01                | 0.033                | 0.0026           | 0.00026            | 0.4                 | 0.00063            | 0.0022         |
| Jan 2011 | 0.0085          | 0.000097          | 0.00053            | 0.0019           | 0.021          | 0.000062       | 0.011               | 0.038                | 0.003            | 0.0003             | 0.45                | 0.00071            | 0.0025         |
| Feb 2011 | 0.0087          | 0.0001            | 0.00055            | 0.0019           | 0.022          | 0.000063       | 0.012               | 0.039                | 0.0031           | 0.00031            | 0.47                | 0.00074            | 0.0026         |
| Mar 2011 | 0.0089          | 0.0001            | 0.00055            | 0.0019           | 0.022          | 0.000064       | 0.012               | 0.04                 | 0.0031           | 0.00031            | 0.47                | 0.00075            | 0.0026         |
| Apr 2011 | 0.0087          | 0.000099          | 0.00054            | 0.0019           | 0.021          | 0.000062       | 0.012               | 0.039                | 0.003            | 0.0003             | 0.46                | 0.00074            | 0.0026         |
| May 2011 | 0.0075          | 0.000085          | 0.00046            | 0.0016           | 0.018          | 0.000053       | 0.0097              | 0.034                | 0.0026           | 0.00026            | 0.4                 | 0.00063            | 0.0022         |
| Jun 2011 | 0.0066          | 0.000071          | 0.00038            | 0.0012           | 0.016          | 0.000043       | 0.0077              | 0.029                | 0.002            | 0.00022            | 0.34                | 0.0006             | 0.0016         |
| Jul 2011 | 0.0062          | 0.000064          | 0.00034            | 0.0011           | 0.015          | 0.000039       | 0.0069              | 0.026                | 0.0018           | 0.0002             | 0.29                | 0.0006             | 0.0015         |
| Aug 2011 | 0.0059          | 0.000062          | 0.00034            | 0.0012           | 0.015          | 0.000038       | 0.0069              | 0.024                | 0.0018           | 0.00019            | 0.26                | 0.00058            | 0.0015         |
| Sep 2011 | 0.0059          | 0.000061          | 0.00034            | 0.0012           | 0.016          | 0.000038       | 0.007               | 0.023                | 0.0018           | 0.00019            | 0.26                | 0.00059            | 0.0016         |
| Oct 2011 | 0.0063          | 0.000065          | 0.00036            | 0.0013           | 0.017          | 0.00004        | 0.0075              | 0.025                | 0.0019           | 0.0002             | 0.27                | 0.00065            | 0.0017         |
| Nov 2011 | 0.0074          | 0.000075          | 0.0004             | 0.0014           | 0.019          | 0.000046       | 0.0085              | 0.029                | 0.0022           | 0.00023            | 0.31                | 0.00076            | 0.0019         |
| Dec 2011 | 0.0087          | 0.000087          | 0.00046            | 0.0017           | 0.023          | 0.000053       | 0.0098              | 0.034                | 0.0026           | 0.00027            | 0.37                | 0.0009             | 0.0022         |
| Jan 2012 | 0.0099          | 0.000098          | 0.00052            | 0.0019           | 0.026          | 0.000059       | 0.011               | 0.039                | 0.0029           | 0.00031            | 0.42                | 0.001              | 0.0025         |
| Feb 2012 | 0.01            | 0.0001            | 0.00054            | 0.0019           | 0.026          | 0.000061       | 0.011               | 0.04                 | 0.003            | 0.00032            | 0.43                | 0.0011             | 0.0026         |
| Mar 2012 | 0.01            | 0.0001            | 0.00054            | 0.0019           | 0.027          | 0.000062       | 0.011               | 0.041                | 0.0031           | 0.00032            | 0.44                | 0.0011             | 0.0026         |
| Apr 2012 | 0.01            | 0.0001            | 0.00053            | 0.0019           | 0.026          | 0.00006        | 0.011               | 0.04                 | 0.003            | 0.00032            | 0.43                | 0.0011             | 0.0025         |
| May 2012 | 0.0088          | 0.000086          | 0.00045            | 0.0016           | 0.023          | 0.000051       | 0.0095              | 0.034                | 0.0026           | 0.00027            | 0.37                | 0.00093            | 0.0022         |
| Jun 2012 | 0.0078          | 0.000072          | 0.00037            | 0.0012           | 0.02           | 0.000042       | 0.0075              | 0.03                 | 0.002            | 0.00023            | 0.31                | 0.00088            | 0.0016         |
| Jul 2012 | 0.0073          | 0.000065          | 0.00034            | 0.0011           | 0.02           | 0.000038       | 0.0067              | 0.026                | 0.0018           | 0.00022            | 0.26                | 0.00086            | 0.0015         |
| Aug 2012 | 0.0069          | 0.000061          | 0.00033            | 0.0012           | 0.02           | 0.000037       | 0.0067              | 0.024                | 0.0018           | 0.0002             | 0.23                | 0.00082            | 0.0015         |
| Sep 2012 | 0.0068          | 0.000061          | 0.00034            | 0.0012           | 0.02           | 0.000037       | 0.0068              | 0.023                | 0.0018           | 0.0002             | 0.22                | 0.00082            | 0.0016         |
| Oct 2012 | 0.0073          | 0.000064          | 0.00035            | 0.0013           | 0.022          | 0.000039       | 0.0072              | 0.025                | 0.0019           | 0.00022            | 0.23                | 0.00089            | 0.0017         |
| Nov 2012 | 0.0085          | 0.000073          | 0.0004             | 0.0014           | 0.025          | 0.000044       | 0.0082              | 0.029                | 0.0022           | 0.00025            | 0.26                | 0.001              | 0.0019         |
| Dec 2012 | 0.010           | 0.000084          | 0.00046            | 0.0016           | 0.029          | 0.000051       | 0.0094              | 0.034                | 0.0026           | 0.00029            | 0.31                | 0.0012             | 0.0022         |
| Jan 2013 | 0.011           | 0.000096          | 0.00052            | 0.0019           | 0.033          | 0.000058       | 0.011               | 0.039                | 0.003            | 0.00033            | 0.35                | 0.0014             | 0.0025         |
| Feb 2013 | 0.012           | 0.000099          | 0.00054            | 0.0019           | 0.034          | 0.000059       | 0.011               | 0.04                 | 0.003            | 0.00034            | 0.36                | 0.0015             | 0.0025         |
| Mar 2013 | 0.012           | 0.00010           | 0.00054            | 0.0019           | 0.035          | 0.00006        | 0.011               | 0.041                | 0.0031           | 0.00035            | 0.36                | 0.0015             | 0.0026         |
| Apr 2013 | 0.012           | 0.000098          | 0.00053            | 0.0019           | 0.034          | 0.000059       | 0.011               | 0.04                 | 0.003            | 0.00034            | 0.36                | 0.0015             | 0.0025         |

**Table 8F3-1      Predicted Slipper Lake Water Quality  
Part B**

| Month    | Boron<br>(mg/L) | Cadmium<br>(mg/L) | Chromium<br>(mg/L) | Copper<br>(mg/L) | Iron<br>(mg/L) | Lead<br>(mg/L) | Manganese<br>(mg/L) | Molybdenum<br>(mg/L) | Nickel<br>(mg/L) | Selenium<br>(mg/L) | Strontium<br>(mg/L) | Vanadium<br>(mg/L) | Zinc<br>(mg/L) |
|----------|-----------------|-------------------|--------------------|------------------|----------------|----------------|---------------------|----------------------|------------------|--------------------|---------------------|--------------------|----------------|
| May 2013 | 0.01            | 0.000084          | 0.00045            | 0.0016           | 0.029          | 0.00005        | 0.0092              | 0.034                | 0.0026           | 0.00029            | 0.31                | 0.0013             | 0.0021         |
| Jun 2013 | 0.0088          | 0.000069          | 0.00037            | 0.0012           | 0.025          | 0.00004        | 0.0072              | 0.029                | 0.002            | 0.00025            | 0.25                | 0.0011             | 0.0016         |
| Jul 2013 | 0.008           | 0.000061          | 0.00034            | 0.0011           | 0.024          | 0.000037       | 0.0065              | 0.025                | 0.0018           | 0.00023            | 0.2                 | 0.001              | 0.0015         |
| Aug 2013 | 0.0074          | 0.000058          | 0.00033            | 0.0012           | 0.023          | 0.000036       | 0.0065              | 0.023                | 0.0018           | 0.00022            | 0.18                | 0.00095            | 0.0015         |
| Sep 2013 | 0.0073          | 0.000057          | 0.00033            | 0.0012           | 0.023          | 0.000036       | 0.0066              | 0.022                | 0.0018           | 0.00021            | 0.17                | 0.00094            | 0.0015         |
| Oct 2013 | 0.0077          | 0.00006           | 0.00035            | 0.0013           | 0.024          | 0.000038       | 0.007               | 0.023                | 0.0019           | 0.00022            | 0.18                | 0.00099            | 0.0017         |
| Nov 2013 | 0.0089          | 0.000068          | 0.00039            | 0.0014           | 0.027          | 0.000043       | 0.0079              | 0.027                | 0.0022           | 0.00026            | 0.21                | 0.0011             | 0.0019         |
| Dec 2013 | 0.01            | 0.000079          | 0.00045            | 0.0016           | 0.032          | 0.000049       | 0.0091              | 0.032                | 0.0026           | 0.0003             | 0.25                | 0.0014             | 0.0022         |
| Jan 2014 | 0.012           | 0.00009           | 0.00051            | 0.0019           | 0.036          | 0.000055       | 0.01                | 0.036                | 0.0029           | 0.00034            | 0.28                | 0.0015             | 0.0024         |
| Feb 2014 | 0.012           | 0.000092          | 0.00052            | 0.0019           | 0.037          | 0.000057       | 0.011               | 0.037                | 0.003            | 0.00036            | 0.29                | 0.0016             | 0.0025         |
| Mar 2014 | 0.013           | 0.000093          | 0.00053            | 0.0019           | 0.038          | 0.000057       | 0.011               | 0.038                | 0.003            | 0.00036            | 0.29                | 0.0016             | 0.0025         |
| Apr 2014 | 0.012           | 0.000092          | 0.00052            | 0.0019           | 0.037          | 0.000056       | 0.01                | 0.037                | 0.003            | 0.00035            | 0.29                | 0.0016             | 0.0025         |
| May 2014 | 0.011           | 0.000078          | 0.00044            | 0.0016           | 0.032          | 0.000048       | 0.0089              | 0.032                | 0.0025           | 0.0003             | 0.25                | 0.0014             | 0.0021         |
| Jun 2014 | 0.0089          | 0.000064          | 0.00036            | 0.0012           | 0.026          | 0.000039       | 0.007               | 0.027                | 0.002            | 0.00026            | 0.21                | 0.0012             | 0.0016         |
| Jul 2014 | 0.0079          | 0.000057          | 0.00033            | 0.0011           | 0.024          | 0.000035       | 0.0063              | 0.023                | 0.0018           | 0.00023            | 0.18                | 0.001              | 0.0014         |
| Aug 2014 | 0.0072          | 0.000054          | 0.00032            | 0.0012           | 0.023          | 0.000035       | 0.0064              | 0.021                | 0.0017           | 0.00021            | 0.17                | 0.00093            | 0.0015         |
| Sep 2014 | 0.0071          | 0.000053          | 0.00032            | 0.0012           | 0.022          | 0.000035       | 0.0065              | 0.02                 | 0.0018           | 0.00021            | 0.17                | 0.00091            | 0.0015         |
| Oct 2014 | 0.0074          | 0.000056          | 0.00034            | 0.0013           | 0.024          | 0.000037       | 0.0069              | 0.021                | 0.0019           | 0.00022            | 0.18                | 0.00095            | 0.0016         |
| Nov 2014 | 0.0086          | 0.000064          | 0.00038            | 0.0014           | 0.027          | 0.000042       | 0.0078              | 0.024                | 0.0021           | 0.00025            | 0.21                | 0.0011             | 0.0019         |
| Dec 2014 | 0.01            | 0.000074          | 0.00044            | 0.0016           | 0.031          | 0.000048       | 0.009               | 0.029                | 0.0025           | 0.00029            | 0.25                | 0.0013             | 0.0021         |
| Jan 2015 | 0.011           | 0.000083          | 0.0005             | 0.0019           | 0.035          | 0.000054       | 0.01                | 0.033                | 0.0028           | 0.00033            | 0.28                | 0.0015             | 0.0024         |
| Feb 2015 | 0.012           | 0.000086          | 0.00051            | 0.0019           | 0.036          | 0.000055       | 0.01                | 0.034                | 0.0029           | 0.00034            | 0.29                | 0.0015             | 0.0025         |
| Mar 2015 | 0.012           | 0.000087          | 0.00052            | 0.0019           | 0.037          | 0.000056       | 0.011               | 0.034                | 0.0029           | 0.00035            | 0.3                 | 0.0015             | 0.0025         |
| Apr 2015 | 0.012           | 0.000085          | 0.00051            | 0.0019           | 0.036          | 0.000055       | 0.01                | 0.034                | 0.0029           | 0.00034            | 0.29                | 0.0015             | 0.0024         |
| May 2015 | 0.01            | 0.000073          | 0.00043            | 0.0016           | 0.031          | 0.000047       | 0.0088              | 0.029                | 0.0025           | 0.00029            | 0.25                | 0.0013             | 0.0021         |
| Jun 2015 | 0.0085          | 0.000059          | 0.00035            | 0.0012           | 0.025          | 0.000038       | 0.007               | 0.024                | 0.0019           | 0.00025            | 0.23                | 0.0011             | 0.0016         |
| Jul 2015 | 0.0075          | 0.000053          | 0.00033            | 0.0011           | 0.023          | 0.000035       | 0.0064              | 0.021                | 0.0017           | 0.00022            | 0.22                | 0.00095            | 0.0014         |
| Aug 2015 | 0.0069          | 0.000051          | 0.00032            | 0.0012           | 0.022          | 0.000035       | 0.0065              | 0.019                | 0.0017           | 0.0002             | 0.2                 | 0.00087            | 0.0015         |
| Sep 2015 | 0.0068          | 0.000051          | 0.00032            | 0.0012           | 0.022          | 0.000035       | 0.0066              | 0.019                | 0.0017           | 0.0002             | 0.2                 | 0.00085            | 0.0015         |
| Oct 2015 | 0.0072          | 0.000054          | 0.00034            | 0.0013           | 0.023          | 0.000037       | 0.007               | 0.02                 | 0.0019           | 0.00021            | 0.22                | 0.00089            | 0.0016         |
| Nov 2015 | 0.0082          | 0.000061          | 0.00039            | 0.0014           | 0.026          | 0.000042       | 0.008               | 0.023                | 0.0021           | 0.00024            | 0.26                | 0.001              | 0.0018         |
| Dec 2015 | 0.0097          | 0.00007           | 0.00044            | 0.0017           | 0.03           | 0.000048       | 0.0092              | 0.027                | 0.0025           | 0.00028            | 0.3                 | 0.0012             | 0.0021         |
| Jan 2016 | 0.011           | 0.00008           | 0.0005             | 0.0019           | 0.034          | 0.000054       | 0.01                | 0.03                 | 0.0028           | 0.00032            | 0.35                | 0.0014             | 0.0024         |
| Feb 2016 | 0.011           | 0.000082          | 0.00052            | 0.0019           | 0.035          | 0.000056       | 0.011               | 0.031                | 0.0029           | 0.00033            | 0.36                | 0.0014             | 0.0025         |
| Mar 2016 | 0.012           | 0.000083          | 0.00052            | 0.0019           | 0.035          | 0.000057       | 0.011               | 0.032                | 0.003            | 0.00034            | 0.37                | 0.0014             | 0.0025         |
| Apr 2016 | 0.011           | 0.000082          | 0.00051            | 0.0019           | 0.035          | 0.000056       | 0.011               | 0.032                | 0.0029           | 0.00033            | 0.36                | 0.0014             | 0.0024         |
| May 2016 | 0.0098          | 0.00007           | 0.00044            | 0.0016           | 0.03           | 0.000047       | 0.009               | 0.027                | 0.0025           | 0.00028            | 0.32                | 0.0012             | 0.0021         |
| Jun 2016 | 0.0082          | 0.000057          | 0.00036            | 0.0012           | 0.024          | 0.000039       | 0.0072              | 0.023                | 0.002            | 0.00024            | 0.28                | 0.001              | 0.0016         |
| Jul 2016 | 0.0073          | 0.000052          | 0.00033            | 0.0011           | 0.022          | 0.000036       | 0.0066              | 0.02                 | 0.0018           | 0.00021            | 0.27                | 0.0009             | 0.0014         |

**Table 8F3-1 Predicted Slipper Lake Water Quality  
Part B**

| Month    | Boron<br>(mg/L) | Cadmium<br>(mg/L) | Chromium<br>(mg/L) | Copper<br>(mg/L) | Iron<br>(mg/L) | Lead<br>(mg/L) | Manganese<br>(mg/L) | Molybdenum<br>(mg/L) | Nickel<br>(mg/L) | Selenium<br>(mg/L) | Strontium<br>(mg/L) | Vanadium<br>(mg/L) | Zinc<br>(mg/L) |
|----------|-----------------|-------------------|--------------------|------------------|----------------|----------------|---------------------|----------------------|------------------|--------------------|---------------------|--------------------|----------------|
| Aug 2016 | 0.0068          | 0.00005           | 0.00032            | 0.0012           | 0.021          | 0.000035       | 0.0066              | 0.018                | 0.0017           | 0.00019            | 0.25                | 0.00082            | 0.0015         |
| Sep 2016 | 0.0067          | 0.00005           | 0.00032            | 0.0012           | 0.021          | 0.000036       | 0.0067              | 0.018                | 0.0018           | 0.00019            | 0.25                | 0.00081            | 0.0015         |
| Oct 2016 | 0.007           | 0.000053          | 0.00034            | 0.0013           | 0.022          | 0.000038       | 0.0071              | 0.019                | 0.0019           | 0.0002             | 0.26                | 0.00085            | 0.0016         |
| Nov 2016 | 0.0081          | 0.00006           | 0.00039            | 0.0014           | 0.024          | 0.000042       | 0.0081              | 0.022                | 0.0022           | 0.00023            | 0.31                | 0.00098            | 0.0018         |
| Dec 2016 | 0.0096          | 0.00007           | 0.00045            | 0.0016           | 0.028          | 0.000049       | 0.0093              | 0.026                | 0.0025           | 0.00027            | 0.37                | 0.0011             | 0.0021         |
| Jan 2017 | 0.011           | 0.00008           | 0.0005             | 0.0018           | 0.032          | 0.000055       | 0.011               | 0.03                 | 0.0029           | 0.0003             | 0.42                | 0.0013             | 0.0024         |
| Feb 2017 | 0.011           | 0.000082          | 0.00052            | 0.0019           | 0.033          | 0.000057       | 0.011               | 0.031                | 0.003            | 0.00031            | 0.44                | 0.0014             | 0.0025         |
| Mar 2017 | 0.012           | 0.000083          | 0.00053            | 0.0019           | 0.033          | 0.000057       | 0.011               | 0.031                | 0.003            | 0.00032            | 0.45                | 0.0014             | 0.0025         |
| Apr 2017 | 0.011           | 0.000082          | 0.00052            | 0.0019           | 0.033          | 0.000056       | 0.011               | 0.031                | 0.003            | 0.00031            | 0.44                | 0.0014             | 0.0024         |
| May 2017 | 0.0098          | 0.00007           | 0.00044            | 0.0016           | 0.028          | 0.000048       | 0.0092              | 0.027                | 0.0025           | 0.00027            | 0.38                | 0.0012             | 0.0021         |
| Jun 2017 | 0.0085          | 0.00006           | 0.00036            | 0.0012           | 0.023          | 0.000039       | 0.0073              | 0.023                | 0.002            | 0.00022            | 0.34                | 0.001              | 0.0016         |
| Jul 2017 | 0.0078          | 0.000056          | 0.00033            | 0.0011           | 0.02           | 0.000036       | 0.0066              | 0.021                | 0.0018           | 0.0002             | 0.32                | 0.00091            | 0.0014         |
| Aug 2017 | 0.0073          | 0.000054          | 0.00033            | 0.0012           | 0.019          | 0.000036       | 0.0066              | 0.019                | 0.0018           | 0.00019            | 0.29                | 0.00084            | 0.0015         |
| Sep 2017 | 0.0072          | 0.000055          | 0.00033            | 0.0012           | 0.019          | 0.000036       | 0.0068              | 0.019                | 0.0018           | 0.00018            | 0.29                | 0.00083            | 0.0015         |
| Oct 2017 | 0.0077          | 0.000058          | 0.00034            | 0.0013           | 0.02           | 0.000038       | 0.0072              | 0.02                 | 0.0019           | 0.00019            | 0.31                | 0.00088            | 0.0016         |
| Nov 2017 | 0.0089          | 0.000066          | 0.00039            | 0.0014           | 0.023          | 0.000043       | 0.0081              | 0.023                | 0.0022           | 0.00022            | 0.36                | 0.001              | 0.0019         |
| Dec 2017 | 0.011           | 0.000077          | 0.00045            | 0.0016           | 0.026          | 0.000049       | 0.0094              | 0.028                | 0.0026           | 0.00026            | 0.42                | 0.0012             | 0.0021         |
| Jan 2018 | 0.012           | 0.000088          | 0.00051            | 0.0018           | 0.03           | 0.000056       | 0.011               | 0.032                | 0.0029           | 0.0003             | 0.49                | 0.0014             | 0.0024         |
| Feb 2018 | 0.012           | 0.000091          | 0.00052            | 0.0019           | 0.031          | 0.000058       | 0.011               | 0.033                | 0.003            | 0.00031            | 0.5                 | 0.0014             | 0.0025         |
| Mar 2018 | 0.013           | 0.000092          | 0.00053            | 0.0019           | 0.031          | 0.000058       | 0.011               | 0.034                | 0.0031           | 0.00031            | 0.51                | 0.0014             | 0.0025         |
| Apr 2018 | 0.013           | 0.000091          | 0.00052            | 0.0019           | 0.031          | 0.000057       | 0.011               | 0.033                | 0.003            | 0.00031            | 0.51                | 0.0014             | 0.0025         |
| May 2018 | 0.011           | 0.000078          | 0.00044            | 0.0016           | 0.026          | 0.000049       | 0.0092              | 0.029                | 0.0026           | 0.00026            | 0.44                | 0.0012             | 0.0021         |
| Jun 2018 | 0.0095          | 0.000066          | 0.00036            | 0.0012           | 0.021          | 0.00004        | 0.0073              | 0.025                | 0.002            | 0.00022            | 0.38                | 0.0011             | 0.0016         |
| Jul 2018 | 0.0088          | 0.000061          | 0.00033            | 0.0011           | 0.019          | 0.000037       | 0.0067              | 0.023                | 0.0018           | 0.0002             | 0.35                | 0.00097            | 0.0015         |
| Aug 2018 | 0.0082          | 0.000059          | 0.00033            | 0.0012           | 0.018          | 0.000036       | 0.0067              | 0.021                | 0.0018           | 0.00019            | 0.32                | 0.00089            | 0.0015         |
| Sep 2018 | 0.0081          | 0.000058          | 0.00033            | 0.0012           | 0.018          | 0.000036       | 0.0068              | 0.021                | 0.0018           | 0.00019            | 0.31                | 0.00088            | 0.0016         |
| Oct 2018 | 0.0086          | 0.000062          | 0.00034            | 0.0013           | 0.019          | 0.000038       | 0.0072              | 0.022                | 0.0019           | 0.0002             | 0.33                | 0.00093            | 0.0017         |
| Nov 2018 | 0.0099          | 0.00007           | 0.00039            | 0.0014           | 0.022          | 0.000043       | 0.0081              | 0.025                | 0.0022           | 0.00023            | 0.39                | 0.0011             | 0.0019         |
| Dec 2018 | 0.012           | 0.000082          | 0.00045            | 0.0016           | 0.025          | 0.00005        | 0.0094              | 0.03                 | 0.0026           | 0.00026            | 0.46                | 0.0013             | 0.0022         |
| Jan 2019 | 0.013           | 0.000093          | 0.00051            | 0.0018           | 0.028          | 0.000057       | 0.011               | 0.034                | 0.0029           | 0.0003             | 0.52                | 0.0015             | 0.0024         |
| Feb 2019 | 0.014           | 0.000096          | 0.00052            | 0.0019           | 0.029          | 0.000058       | 0.011               | 0.036                | 0.003            | 0.00031            | 0.54                | 0.0015             | 0.0025         |
| Mar 2019 | 0.014           | 0.000097          | 0.00053            | 0.0019           | 0.029          | 0.000059       | 0.011               | 0.036                | 0.003            | 0.00032            | 0.55                | 0.0015             | 0.0025         |
| Apr 2019 | 0.014           | 0.000096          | 0.00052            | 0.0019           | 0.029          | 0.000058       | 0.011               | 0.036                | 0.003            | 0.00031            | 0.54                | 0.0015             | 0.0025         |
| May 2019 | 0.012           | 0.000082          | 0.00044            | 0.0016           | 0.025          | 0.000049       | 0.0092              | 0.031                | 0.0025           | 0.00027            | 0.47                | 0.0013             | 0.0021         |
| Jun 2019 | 0.01            | 0.000069          | 0.00036            | 0.0012           | 0.02           | 0.00004        | 0.0073              | 0.027                | 0.002            | 0.00023            | 0.41                | 0.0011             | 0.0016         |
| Jul 2019 | 0.0095          | 0.000063          | 0.00033            | 0.0011           | 0.018          | 0.000037       | 0.0066              | 0.024                | 0.0018           | 0.0002             | 0.36                | 0.001              | 0.0015         |
| Aug 2019 | 0.0088          | 0.00006           | 0.00032            | 0.0012           | 0.017          | 0.000036       | 0.0066              | 0.022                | 0.0018           | 0.00019            | 0.33                | 0.00092            | 0.0015         |
| Sep 2019 | 0.0087          | 0.00006           | 0.00032            | 0.0012           | 0.017          | 0.000037       | 0.0067              | 0.022                | 0.0018           | 0.00019            | 0.32                | 0.00091            | 0.0016         |
| Oct 2019 | 0.0092          | 0.000063          | 0.00034            | 0.0013           | 0.018          | 0.000039       | 0.0072              | 0.023                | 0.0019           | 0.0002             | 0.34                | 0.00096            | 0.0017         |

**Table 8F3-1 Predicted Slipper Lake Water Quality  
Part B**

| Month    | Boron<br>(mg/L) | Cadmium<br>(mg/L) | Chromium<br>(mg/L) | Copper<br>(mg/L) | Iron<br>(mg/L) | Lead<br>(mg/L) | Manganese<br>(mg/L) | Molybdenum<br>(mg/L) | Nickel<br>(mg/L) | Selenium<br>(mg/L) | Strontium<br>(mg/L) | Vanadium<br>(mg/L) | Zinc<br>(mg/L) |
|----------|-----------------|-------------------|--------------------|------------------|----------------|----------------|---------------------|----------------------|------------------|--------------------|---------------------|--------------------|----------------|
| Nov 2019 | 0.011           | 0.000072          | 0.00039            | 0.0014           | 0.021          | 0.000043       | 0.0081              | 0.027                | 0.0022           | 0.00023            | 0.4                 | 0.0011             | 0.0019         |
| Dec 2019 | 0.013           | 0.000084          | 0.00045            | 0.0016           | 0.024          | 0.00005        | 0.0093              | 0.031                | 0.0026           | 0.00026            | 0.47                | 0.0013             | 0.0022         |
| Jan 2020 | 0.014           | 0.000095          | 0.0005             | 0.0018           | 0.027          | 0.000057       | 0.011               | 0.036                | 0.0029           | 0.0003             | 0.54                | 0.0015             | 0.0025         |
| Feb 2020 | 0.015           | 0.000098          | 0.00052            | 0.0019           | 0.028          | 0.000058       | 0.011               | 0.037                | 0.003            | 0.00031            | 0.55                | 0.0015             | 0.0025         |
| Mar 2020 | 0.015           | 0.00010           | 0.00053            | 0.0019           | 0.028          | 0.000059       | 0.011               | 0.038                | 0.003            | 0.00031            | 0.57                | 0.0016             | 0.0026         |
| Apr 2020 | 0.015           | 0.000098          | 0.00052            | 0.0019           | 0.028          | 0.000058       | 0.011               | 0.038                | 0.003            | 0.00031            | 0.56                | 0.0015             | 0.0025         |
| May 2020 | 0.013           | 0.000085          | 0.00044            | 0.0016           | 0.024          | 0.00005        | 0.0092              | 0.033                | 0.0026           | 0.00027            | 0.48                | 0.0013             | 0.0021         |
| Jun 2020 | 0.011           | 0.000071          | 0.00036            | 0.0012           | 0.02           | 0.00004        | 0.0073              | 0.028                | 0.002            | 0.00022            | 0.41                | 0.0011             | 0.0016         |
| Jul 2020 | 0.0099          | 0.000063          | 0.00033            | 0.0011           | 0.018          | 0.000037       | 0.0066              | 0.025                | 0.0018           | 0.0002             | 0.36                | 0.001              | 0.0015         |
| Aug 2020 | 0.009           | 0.00006           | 0.00032            | 0.0012           | 0.018          | 0.000036       | 0.0066              | 0.023                | 0.0018           | 0.00018            | 0.33                | 0.00092            | 0.0015         |
| Sep 2020 | 0.0088          | 0.000059          | 0.00032            | 0.0012           | 0.018          | 0.000036       | 0.0067              | 0.022                | 0.0018           | 0.00018            | 0.32                | 0.0009             | 0.0016         |
| Oct 2020 | 0.0093          | 0.000062          | 0.00034            | 0.0013           | 0.019          | 0.000038       | 0.0071              | 0.023                | 0.0019           | 0.00019            | 0.33                | 0.00095            | 0.0017         |
| Nov 2020 | 0.011           | 0.000071          | 0.00038            | 0.0014           | 0.021          | 0.000043       | 0.008               | 0.027                | 0.0022           | 0.00022            | 0.39                | 0.0011             | 0.0019         |
| Dec 2020 | 0.013           | 0.000083          | 0.00044            | 0.0016           | 0.025          | 0.00005        | 0.0093              | 0.032                | 0.0026           | 0.00025            | 0.46                | 0.0013             | 0.0022         |
| Jan 2021 | 0.014           | 0.000094          | 0.0005             | 0.0018           | 0.028          | 0.000056       | 0.01                | 0.036                | 0.0029           | 0.00029            | 0.52                | 0.0015             | 0.0025         |
| Feb 2021 | 0.015           | 0.000097          | 0.00052            | 0.0019           | 0.029          | 0.000058       | 0.011               | 0.038                | 0.003            | 0.0003             | 0.54                | 0.0015             | 0.0025         |
| Mar 2021 | 0.015           | 0.000099          | 0.00052            | 0.0019           | 0.029          | 0.000059       | 0.011               | 0.038                | 0.003            | 0.0003             | 0.55                | 0.0016             | 0.0026         |
| Apr 2021 | 0.015           | 0.000097          | 0.00051            | 0.0019           | 0.029          | 0.000058       | 0.011               | 0.038                | 0.003            | 0.0003             | 0.55                | 0.0015             | 0.0025         |
| May 2021 | 0.013           | 0.000083          | 0.00044            | 0.0016           | 0.025          | 0.000049       | 0.0092              | 0.033                | 0.0026           | 0.00026            | 0.47                | 0.0013             | 0.0021         |
| Jun 2021 | 0.011           | 0.000069          | 0.00036            | 0.0012           | 0.021          | 0.00004        | 0.0073              | 0.028                | 0.002            | 0.00021            | 0.4                 | 0.0011             | 0.0016         |
| Jul 2021 | 0.0097          | 0.000061          | 0.00033            | 0.0011           | 0.019          | 0.000037       | 0.0066              | 0.025                | 0.0018           | 0.00019            | 0.36                | 0.0010             | 0.0015         |
| Aug 2021 | 0.0088          | 0.000058          | 0.00032            | 0.0012           | 0.018          | 0.000036       | 0.0066              | 0.022                | 0.0018           | 0.00018            | 0.32                | 0.00091            | 0.0015         |
| Sep 2021 | 0.0086          | 0.000058          | 0.00032            | 0.0012           | 0.018          | 0.000036       | 0.0067              | 0.022                | 0.0018           | 0.00017            | 0.31                | 0.00089            | 0.0016         |
| Oct 2021 | 0.009           | 0.00006           | 0.00034            | 0.0013           | 0.019          | 0.000038       | 0.0071              | 0.023                | 0.0019           | 0.00018            | 0.33                | 0.00093            | 0.0017         |
| Nov 2021 | 0.01            | 0.000068          | 0.00038            | 0.0014           | 0.022          | 0.000043       | 0.008               | 0.026                | 0.0022           | 0.00021            | 0.38                | 0.0011             | 0.0019         |
| Dec 2021 | 0.012           | 0.000079          | 0.00044            | 0.0016           | 0.025          | 0.000049       | 0.0092              | 0.031                | 0.0025           | 0.00024            | 0.45                | 0.0013             | 0.0022         |
| Jan 2022 | 0.014           | 0.00009           | 0.0005             | 0.0018           | 0.028          | 0.000056       | 0.01                | 0.035                | 0.0029           | 0.00027            | 0.51                | 0.0014             | 0.0024         |
| Feb 2022 | 0.014           | 0.000093          | 0.00051            | 0.0019           | 0.029          | 0.000058       | 0.011               | 0.036                | 0.003            | 0.00028            | 0.53                | 0.0015             | 0.0025         |
| Mar 2022 | 0.015           | 0.000094          | 0.00052            | 0.0019           | 0.03           | 0.000058       | 0.011               | 0.037                | 0.003            | 0.00029            | 0.54                | 0.0015             | 0.0025         |
| Apr 2022 | 0.014           | 0.000093          | 0.00051            | 0.0019           | 0.029          | 0.000057       | 0.011               | 0.037                | 0.003            | 0.00028            | 0.53                | 0.0015             | 0.0025         |
| May 2022 | 0.012           | 0.00008           | 0.00044            | 0.0016           | 0.025          | 0.000049       | 0.0091              | 0.032                | 0.0025           | 0.00024            | 0.46                | 0.0013             | 0.0021         |
| Jun 2022 | 0.01            | 0.000065          | 0.00036            | 0.0012           | 0.02           | 0.00004        | 0.0072              | 0.027                | 0.002            | 0.0002             | 0.39                | 0.0011             | 0.0016         |
| Jul 2022 | 0.0089          | 0.000057          | 0.00032            | 0.0011           | 0.018          | 0.000036       | 0.0065              | 0.023                | 0.0017           | 0.00018            | 0.34                | 0.00093            | 0.0015         |
| Aug 2022 | 0.0081          | 0.000054          | 0.00031            | 0.0012           | 0.018          | 0.000035       | 0.0065              | 0.02                 | 0.0017           | 0.00016            | 0.3                 | 0.00084            | 0.0015         |
| Sep 2022 | 0.0079          | 0.000054          | 0.00031            | 0.0012           | 0.018          | 0.000035       | 0.0066              | 0.02                 | 0.0017           | 0.00016            | 0.29                | 0.00082            | 0.0015         |
| Oct 2022 | 0.0082          | 0.000056          | 0.00033            | 0.0013           | 0.018          | 0.000037       | 0.007               | 0.02                 | 0.0018           | 0.00017            | 0.31                | 0.00085            | 0.0016         |
| Nov 2022 | 0.0094          | 0.000064          | 0.00037            | 0.0014           | 0.021          | 0.000042       | 0.0079              | 0.023                | 0.0021           | 0.00019            | 0.35                | 0.00098            | 0.0019         |
| Dec 2022 | 0.011           | 0.000074          | 0.00043            | 0.0016           | 0.024          | 0.000048       | 0.009               | 0.027                | 0.0024           | 0.00022            | 0.41                | 0.0011             | 0.0021         |
| Jan 2023 | 0.013           | 0.000083          | 0.00048            | 0.0018           | 0.027          | 0.000054       | 0.01                | 0.031                | 0.0027           | 0.00025            | 0.47                | 0.0013             | 0.0024         |



Table 8F3-1      Predicted Slipper Lake Water Quality  
Part B

| Month    | Boron<br>(mg/L) | Cadmium<br>(mg/L) | Chromium<br>(mg/L) | Copper<br>(mg/L) | Iron<br>(mg/L) | Lead<br>(mg/L) | Manganese<br>(mg/L) | Molybdenum<br>(mg/L) | Nickel<br>(mg/L) | Selenium<br>(mg/L) | Strontium<br>(mg/L) | Vanadium<br>(mg/L) | Zinc<br>(mg/L) |
|----------|-----------------|-------------------|--------------------|------------------|----------------|----------------|---------------------|----------------------|------------------|--------------------|---------------------|--------------------|----------------|
| Feb 2023 | 0.013           | 0.000086          | 0.0005             | 0.0019           | 0.028          | 0.000056       | 0.011               | 0.032                | 0.0028           | 0.00026            | 0.49                | 0.0013             | 0.0025         |
| Mar 2023 | 0.013           | 0.000087          | 0.0005             | 0.0019           | 0.028          | 0.000056       | 0.011               | 0.033                | 0.0029           | 0.00026            | 0.5                 | 0.0014             | 0.0025         |
| Apr 2023 | 0.013           | 0.000086          | 0.00049            | 0.0019           | 0.028          | 0.000056       | 0.01                | 0.033                | 0.0028           | 0.00026            | 0.49                | 0.0014             | 0.0025         |
| May 2023 | 0.011           | 0.000073          | 0.00042            | 0.0016           | 0.024          | 0.000047       | 0.0089              | 0.028                | 0.0024           | 0.00022            | 0.42                | 0.0012             | 0.0021         |
| Jun 2023 | 0.0091          | 0.000059          | 0.00034            | 0.0012           | 0.019          | 0.000038       | 0.007               | 0.023                | 0.0019           | 0.00018            | 0.35                | 0.00095            | 0.0016         |
| Jul 2023 | 0.0077          | 0.000052          | 0.0003             | 0.0011           | 0.017          | 0.000034       | 0.0062              | 0.019                | 0.0016           | 0.00016            | 0.29                | 0.0008             | 0.0014         |
| Aug 2023 | 0.007           | 0.000049          | 0.0003             | 0.0012           | 0.016          | 0.000034       | 0.0062              | 0.017                | 0.0016           | 0.00015            | 0.26                | 0.00073            | 0.0015         |
| Sep 2023 | 0.0067          | 0.000049          | 0.0003             | 0.0012           | 0.016          | 0.000034       | 0.0063              | 0.016                | 0.0016           | 0.00014            | 0.25                | 0.0007             | 0.0015         |
| Oct 2023 | 0.007           | 0.000051          | 0.00031            | 0.0013           | 0.017          | 0.000035       | 0.0067              | 0.017                | 0.0017           | 0.00015            | 0.26                | 0.00073            | 0.0016         |
| Nov 2023 | 0.0079          | 0.000057          | 0.00035            | 0.0014           | 0.019          | 0.00004        | 0.0076              | 0.019                | 0.0019           | 0.00017            | 0.3                 | 0.00083            | 0.0018         |
| Dec 2023 | 0.0093          | 0.000066          | 0.0004             | 0.0016           | 0.022          | 0.000046       | 0.0087              | 0.023                | 0.0022           | 0.00019            | 0.35                | 0.00097            | 0.0021         |
| Jan 2024 | 0.011           | 0.000075          | 0.00045            | 0.0018           | 0.025          | 0.000051       | 0.0098              | 0.026                | 0.0025           | 0.00022            | 0.4                 | 0.0011             | 0.0024         |
| Feb 2024 | 0.011           | 0.000077          | 0.00047            | 0.0019           | 0.026          | 0.000053       | 0.01                | 0.027                | 0.0026           | 0.00023            | 0.41                | 0.0011             | 0.0024         |
| Mar 2024 | 0.011           | 0.000078          | 0.00047            | 0.0019           | 0.026          | 0.000053       | 0.01                | 0.027                | 0.0026           | 0.00023            | 0.42                | 0.0012             | 0.0025         |
| Apr 2024 | 0.011           | 0.000077          | 0.00046            | 0.0019           | 0.026          | 0.000053       | 0.01                | 0.027                | 0.0026           | 0.00023            | 0.42                | 0.0011             | 0.0024         |
| May 2024 | 0.0094          | 0.000066          | 0.0004             | 0.0016           | 0.022          | 0.000045       | 0.0086              | 0.023                | 0.0022           | 0.0002             | 0.36                | 0.00099            | 0.0021         |
| Jun 2024 | 0.0076          | 0.000053          | 0.00032            | 0.0012           | 0.018          | 0.000036       | 0.0067              | 0.019                | 0.0017           | 0.00016            | 0.29                | 0.0008             | 0.0016         |
| Jul 2024 | 0.0064          | 0.000046          | 0.00028            | 0.0011           | 0.016          | 0.000032       | 0.0059              | 0.015                | 0.0015           | 0.00014            | 0.24                | 0.00067            | 0.0014         |
| Aug 2024 | 0.0057          | 0.000044          | 0.00028            | 0.0011           | 0.015          | 0.000032       | 0.006               | 0.014                | 0.0015           | 0.00013            | 0.21                | 0.0006             | 0.0014         |
| Sep 2024 | 0.0055          | 0.000043          | 0.00028            | 0.0012           | 0.015          | 0.000032       | 0.0061              | 0.013                | 0.0015           | 0.00012            | 0.2                 | 0.00058            | 0.0015         |
| Oct 2024 | 0.0057          | 0.000045          | 0.00029            | 0.0013           | 0.016          | 0.000033       | 0.0064              | 0.013                | 0.0016           | 0.00013            | 0.21                | 0.0006             | 0.0016         |
| Nov 2024 | 0.0065          | 0.000051          | 0.00032            | 0.0014           | 0.017          | 0.000037       | 0.0072              | 0.015                | 0.0018           | 0.00014            | 0.24                | 0.00068            | 0.0018         |
| Dec 2024 | 0.0075          | 0.000058          | 0.00037            | 0.0016           | 0.02           | 0.000043       | 0.0083              | 0.018                | 0.0021           | 0.00017            | 0.28                | 0.00079            | 0.002          |
| Jan 2025 | 0.0086          | 0.000066          | 0.00042            | 0.0018           | 0.023          | 0.000048       | 0.0093              | 0.02                 | 0.0023           | 0.00019            | 0.32                | 0.0009             | 0.0023         |
| Feb 2025 | 0.0089          | 0.000068          | 0.00043            | 0.0019           | 0.023          | 0.00005        | 0.0096              | 0.021                | 0.0024           | 0.0002             | 0.33                | 0.00093            | 0.0024         |
| Mar 2025 | 0.009           | 0.000069          | 0.00044            | 0.0019           | 0.024          | 0.00005        | 0.0097              | 0.021                | 0.0024           | 0.0002             | 0.33                | 0.00095            | 0.0024         |
| Apr 2025 | 0.0089          | 0.000068          | 0.00043            | 0.0019           | 0.023          | 0.000049       | 0.0096              | 0.021                | 0.0024           | 0.0002             | 0.33                | 0.00094            | 0.0024         |
| May 2025 | 0.0077          | 0.000058          | 0.00037            | 0.0016           | 0.02           | 0.000042       | 0.0082              | 0.018                | 0.0021           | 0.00017            | 0.28                | 0.0008             | 0.002          |
| Jun 2025 | 0.0062          | 0.000047          | 0.00029            | 0.0012           | 0.016          | 0.000034       | 0.0063              | 0.015                | 0.0016           | 0.00013            | 0.23                | 0.00065            | 0.0015         |
| Jul 2025 | 0.0051          | 0.000041          | 0.00026            | 0.0011           | 0.014          | 0.00003        | 0.0056              | 0.012                | 0.0013           | 0.00012            | 0.19                | 0.00054            | 0.0014         |
| Aug 2025 | 0.0047          | 0.000039          | 0.00026            | 0.0011           | 0.014          | 0.00003        | 0.0057              | 0.01                 | 0.0013           | 0.00011            | 0.17                | 0.00049            | 0.0014         |
| Sep 2025 | 0.0045          | 0.000039          | 0.00026            | 0.0012           | 0.014          | 0.00003        | 0.0058              | 0.010                | 0.0014           | 0.00011            | 0.16                | 0.00047            | 0.0014         |
| Oct 2025 | 0.0046          | 0.000041          | 0.00027            | 0.0012           | 0.014          | 0.000032       | 0.0061              | 0.01                 | 0.0015           | 0.00011            | 0.16                | 0.00049            | 0.0015         |
| Nov 2025 | 0.0053          | 0.000046          | 0.0003             | 0.0014           | 0.016          | 0.000035       | 0.0069              | 0.012                | 0.0017           | 0.00012            | 0.19                | 0.00055            | 0.0017         |
| Dec 2025 | 0.0061          | 0.000052          | 0.00035            | 0.0016           | 0.018          | 0.00004        | 0.0079              | 0.014                | 0.0019           | 0.00014            | 0.22                | 0.00064            | 0.002          |
| Jan 2026 | 0.007           | 0.000059          | 0.00039            | 0.0018           | 0.021          | 0.000046       | 0.009               | 0.016                | 0.0022           | 0.00016            | 0.25                | 0.00073            | 0.0023         |
| Feb 2026 | 0.0072          | 0.000061          | 0.00041            | 0.0019           | 0.022          | 0.000047       | 0.0092              | 0.016                | 0.0022           | 0.00017            | 0.26                | 0.00076            | 0.0023         |
| Mar 2026 | 0.0073          | 0.000062          | 0.00041            | 0.0019           | 0.022          | 0.000047       | 0.0093              | 0.016                | 0.0023           | 0.00017            | 0.26                | 0.00077            | 0.0024         |
| Apr 2026 | 0.0072          | 0.000061          | 0.0004             | 0.0018           | 0.021          | 0.000047       | 0.0092              | 0.016                | 0.0022           | 0.00017            | 0.26                | 0.00076            | 0.0023         |





Table 8F3-1 Predicted Slipper Lake Water Quality  
Part B

| Month    | Boron<br>(mg/L) | Cadmium<br>(mg/L) | Chromium<br>(mg/L) | Copper<br>(mg/L) | Iron<br>(mg/L) | Lead<br>(mg/L) | Manganese<br>(mg/L) | Molybdenum<br>(mg/L) | Nickel<br>(mg/L) | Selenium<br>(mg/L) | Strontium<br>(mg/L) | Vanadium<br>(mg/L) | Zinc<br>(mg/L) |
|----------|-----------------|-------------------|--------------------|------------------|----------------|----------------|---------------------|----------------------|------------------|--------------------|---------------------|--------------------|----------------|
| May 2026 | 0.0062          | 0.000052          | 0.00034            | 0.0016           | 0.018          | 0.00004        | 0.0078              | 0.014                | 0.0019           | 0.00014            | 0.22                | 0.00065            | 0.002          |
| Jun 2026 | 0.005           | 0.000041          | 0.00027            | 0.0012           | 0.015          | 0.000032       | 0.0061              | 0.011                | 0.0014           | 0.00012            | 0.18                | 0.00052            | 0.0015         |
| Jul 2026 | 0.0042          | 0.000037          | 0.00025            | 0.0011           | 0.013          | 0.000029       | 0.0054              | 0.0092               | 0.0012           | 0.000099           | 0.14                | 0.00044            | 0.0013         |
| Aug 2026 | 0.0038          | 0.000036          | 0.00025            | 0.0011           | 0.013          | 0.000029       | 0.0055              | 0.008                | 0.0013           | 0.000094           | 0.13                | 0.0004             | 0.0014         |
| Sep 2026 | 0.0037          | 0.000036          | 0.00025            | 0.0012           | 0.013          | 0.000029       | 0.0056              | 0.0077               | 0.0013           | 0.000093           | 0.12                | 0.00039            | 0.0014         |
| Oct 2026 | 0.0038          | 0.000037          | 0.00026            | 0.0012           | 0.014          | 0.00003        | 0.0059              | 0.0079               | 0.0014           | 0.000097           | 0.13                | 0.0004             | 0.0015         |
| Nov 2026 | 0.0043          | 0.000042          | 0.00029            | 0.0014           | 0.015          | 0.000034       | 0.0067              | 0.009                | 0.0016           | 0.00011            | 0.14                | 0.00045            | 0.0017         |
| Dec 2026 | 0.005           | 0.000048          | 0.00033            | 0.0016           | 0.017          | 0.000039       | 0.0077              | 0.011                | 0.0018           | 0.00013            | 0.17                | 0.00052            | 0.002          |
| Jan 2027 | 0.0057          | 0.000054          | 0.00037            | 0.0018           | 0.02           | 0.000044       | 0.0087              | 0.012                | 0.002            | 0.00014            | 0.19                | 0.0006             | 0.0022         |
| Feb 2027 | 0.0059          | 0.000056          | 0.00038            | 0.0019           | 0.02           | 0.000045       | 0.0089              | 0.012                | 0.0021           | 0.00015            | 0.2                 | 0.00062            | 0.0023         |
| Mar 2027 | 0.006           | 0.000056          | 0.00039            | 0.0019           | 0.02           | 0.000045       | 0.009               | 0.013                | 0.0021           | 0.00015            | 0.2                 | 0.00063            | 0.0023         |
| Apr 2027 | 0.0059          | 0.000055          | 0.00038            | 0.0018           | 0.02           | 0.000045       | 0.0089              | 0.013                | 0.0021           | 0.00015            | 0.2                 | 0.00062            | 0.0023         |
| May 2027 | 0.0051          | 0.000047          | 0.00032            | 0.0016           | 0.017          | 0.000038       | 0.0076              | 0.011                | 0.0018           | 0.00013            | 0.17                | 0.00053            | 0.002          |
| Jun 2027 | 0.0041          | 0.000038          | 0.00026            | 0.0012           | 0.014          | 0.00003        | 0.0058              | 0.0087               | 0.0014           | 0.0001             | 0.14                | 0.00043            | 0.0015         |
| Jul 2027 | 0.0035          | 0.000034          | 0.00024            | 0.0011           | 0.012          | 0.000028       | 0.0052              | 0.0072               | 0.0012           | 0.000088           | 0.11                | 0.00036            | 0.0013         |
| Aug 2027 | 0.0032          | 0.000033          | 0.00024            | 0.0011           | 0.012          | 0.000028       | 0.0053              | 0.0064               | 0.0012           | 0.000085           | 0.1                 | 0.00034            | 0.0014         |
| Sep 2027 | 0.0032          | 0.000033          | 0.00024            | 0.0012           | 0.012          | 0.000028       | 0.0055              | 0.0061               | 0.0012           | 0.000084           | 0.097               | 0.00033            | 0.0014         |
| Oct 2027 | 0.0033          | 0.000035          | 0.00025            | 0.0012           | 0.013          | 0.000029       | 0.0058              | 0.0064               | 0.0013           | 0.000088           | 0.1                 | 0.00034            | 0.0015         |
| Nov 2027 | 0.0037          | 0.000039          | 0.00028            | 0.0014           | 0.014          | 0.000033       | 0.0065              | 0.0073               | 0.0015           | 0.000099           | 0.12                | 0.00039            | 0.0017         |
| Dec 2027 | 0.0044          | 0.000045          | 0.00032            | 0.0016           | 0.016          | 0.000037       | 0.0075              | 0.0086               | 0.0017           | 0.00011            | 0.13                | 0.00045            | 0.002          |
| Jan 2028 | 0.005           | 0.000051          | 0.00036            | 0.0018           | 0.019          | 0.000042       | 0.0084              | 0.00986              | 0.002            | 0.00013            | 0.154               | 0.00052            | 0.0022         |
| Feb 2028 | 0.0052          | 0.000052          | 0.00037            | 0.0018           | 0.019          | 0.000044       | 0.0087              | 0.01025              | 0.002            | 0.00013            | 0.16                | 0.00054            | 0.0023         |
| Mar 2028 | 0.0052          | 0.000053          | 0.00037            | 0.0019           | 0.019          | 0.000044       | 0.0088              | 0.01044              | 0.002            | 0.00014            | 0.163               | 0.00055            | 0.0023         |
| Apr 2028 | 0.0052          | 0.000052          | 0.00037            | 0.0018           | 0.019          | 0.000043       | 0.0087              | 0.01036              | 0.002            | 0.00013            | 0.161               | 0.00054            | 0.0023         |
| May 2028 | 0.00448         | 0.000045          | 0.00031            | 0.0016           | 0.016          | 0.000037       | 0.0074              | 0.00898              | 0.0017           | 0.00012            | 0.14                | 0.00047            | 0.0019         |
| Jun 2028 | 0.00378         | 0.000036          | 0.00025            | 0.0012           | 0.013          | 0.00003        | 0.0057              | 0.00773              | 0.0013           | 0.000095           | 0.1159              | 0.000394           | 0.0015         |
| Jul 2028 | 0.00352         | 0.000033          | 0.00023            | 0.0011           | 0.012          | 0.000027       | 0.0051              | 0.00714              | 0.00115          | 0.000088           | 0.1017              | 0.000366           | 0.0013         |
| Aug 2028 | 0.00336         | 0.000033          | 0.00023            | 0.0011           | 0.012          | 0.000027       | 0.0053              | 0.00661              | 0.0012           | 0.000086           | 0.093               | 0.000348           | 0.0014         |
| Sep 2028 | 0.00335         | 0.000033          | 0.00024            | 0.0012           | 0.012          | 0.000028       | 0.0054              | 0.00652              | 0.0012           | 0.000086           | 0.0911              | 0.000347           | 0.0014         |
| Oct 2028 | 0.00356         | 0.000035          | 0.00025            | 0.0012           | 0.013          | 0.000029       | 0.0057              | 0.00695              | 0.0013           | 0.000091           | 0.0957              | 0.000369           | 0.0015         |
| Nov 2028 | 0.0041          | 0.00004           | 0.00028            | 0.0014           | 0.015          | 0.000033       | 0.0064              | 0.00813              | 0.0015           | 0.000103           | 0.111               | 0.00043            | 0.0017         |
| Dec 2028 | 0.0048          | 0.000046          | 0.00032            | 0.0016           | 0.017          | 0.000037       | 0.0074              | 0.0097               | 0.0017           | 0.00012            | 0.131               | 0.0005             | 0.002          |
| Jan 2029 | 0.0056          | 0.000052          | 0.00036            | 0.0018           | 0.019          | 0.000042       | 0.0083              | 0.0112               | 0.002            | 0.000137           | 0.15                | 0.00058            | 0.0022         |
| Feb 2029 | 0.0058          | 0.000054          | 0.00037            | 0.0018           | 0.02           | 0.000044       | 0.0086              | 0.0117               | 0.002            | 0.000142           | 0.157               | 0.0006             | 0.0023         |
| Mar 2029 | 0.0059          | 0.000054          | 0.00037            | 0.0019           | 0.02           | 0.000044       | 0.0087              | 0.012                | 0.0021           | 0.000144           | 0.16                | 0.00061            | 0.0023         |
| Apr 2029 | 0.0058          | 0.000054          | 0.00037            | 0.0018           | 0.02           | 0.000043       | 0.0086              | 0.0119               | 0.002            | 0.000143           | 0.158               | 0.00061            | 0.0023         |
| May 2029 | 0.0051          | 0.000046          | 0.00032            | 0.0016           | 0.017          | 0.000037       | 0.0073              | 0.0104               | 0.0017           | 0.000123           | 0.137               | 0.00053            | 0.002          |
| Jun 2029 | 0.00449         | 0.000038          | 0.00025            | 0.0012           | 0.014          | 0.00003        | 0.0057              | 0.00941              | 0.0013           | 0.000104           | 0.1188              | 0.000465           | 0.0015         |
| Jul 2029 | 0.00438         | 0.000036          | 0.00024            | 0.0011           | 0.013          | 0.000028       | 0.0051              | 0.0093               | 0.00118          | 0.000099           | 0.1098              | 0.000454           | 0.0013         |

**Table 8F3-1      Predicted Slipper Lake Water Quality  
Part B**

| Month    | Boron<br>(mg/L) | Cadmium<br>(mg/L) | Chromium<br>(mg/L) | Copper<br>(mg/L) | Iron<br>(mg/L) | Lead<br>(mg/L) | Manganese<br>(mg/L) | Molybdenum<br>(mg/L) | Nickel<br>(mg/L) | Selenium<br>(mg/L) | Strontium<br>(mg/L) | Vanadium<br>(mg/L) | Zinc<br>(mg/L) |
|----------|-----------------|-------------------|--------------------|------------------|----------------|----------------|---------------------|----------------------|------------------|--------------------|---------------------|--------------------|----------------|
| Aug 2029 | 0.00419         | 0.000036          | 0.00024            | 0.0011           | 0.013          | 0.000028       | 0.0053              | 0.0087               | 0.00122          | 0.000097           | 0.1018              | 0.000434           | 0.0014         |
| Sep 2029 | 0.00419         | 0.000036          | 0.00024            | 0.0012           | 0.013          | 0.000029       | 0.0054              | 0.0086               | 0.0013           | 0.000097           | 0.1003              | 0.000434           | 0.0014         |
| Oct 2029 | 0.0045          | 0.000038          | 0.00025            | 0.0012           | 0.014          | 0.00003        | 0.0057              | 0.0092               | 0.0014           | 0.000103           | 0.106               | 0.00046            | 0.0015         |
| Nov 2029 | 0.0052          | 0.000043          | 0.00028            | 0.0014           | 0.016          | 0.000034       | 0.0064              | 0.0108               | 0.0015           | 0.000118           | 0.123               | 0.00054            | 0.0017         |
| Dec 2029 | 0.0061          | 0.000049          | 0.00033            | 0.0016           | 0.018          | 0.000038       | 0.0074              | 0.0129               | 0.0018           | 0.000137           | 0.146               | 0.00063            | 0.002          |
| Jan 2030 | 0.007           | 0.000056          | 0.00037            | 0.0018           | 0.021          | 0.000043       | 0.0084              | 0.0149               | 0.002            | 0.000157           | 0.168               | 0.00073            | 0.0023         |
| Feb 2030 | 0.0073          | 0.000058          | 0.00038            | 0.0018           | 0.021          | 0.000045       | 0.0086              | 0.0155               | 0.0021           | 0.000162           | 0.175               | 0.00076            | 0.0023         |
| Mar 2030 | 0.0075          | 0.000059          | 0.00038            | 0.0018           | 0.022          | 0.000045       | 0.0087              | 0.0159               | 0.0021           | 0.000165           | 0.178               | 0.00078            | 0.0024         |
| Apr 2030 | 0.0074          | 0.000058          | 0.00038            | 0.0018           | 0.021          | 0.000045       | 0.0086              | 0.0158               | 0.0021           | 0.000163           | 0.177               | 0.00077            | 0.0023         |
| May 2030 | 0.0064          | 0.00005           | 0.00032            | 0.0016           | 0.018          | 0.000038       | 0.0074              | 0.0137               | 0.0018           | 0.000141           | 0.154               | 0.00067            | 0.002          |
| Jun 2030 | 0.0057          | 0.000042          | 0.00026            | 0.0012           | 0.015          | 0.000031       | 0.0057              | 0.0124               | 0.0014           | 0.00012            | 0.133               | 0.00059            | 0.0015         |
| Jul 2030 | 0.0055          | 0.000039          | 0.00025            | 0.0011           | 0.014          | 0.000029       | 0.0052              | 0.0119               | 0.0012           | 0.000113           | 0.123               | 0.00057            | 0.0014         |
| Aug 2030 | 0.0052          | 0.000039          | 0.00025            | 0.0011           | 0.014          | 0.000029       | 0.0053              | 0.0111               | 0.0013           | 0.00011            | 0.114               | 0.00054            | 0.0014         |
| Sep 2030 | 0.0051          | 0.000039          | 0.00025            | 0.0012           | 0.015          | 0.000029       | 0.0054              | 0.0109               | 0.0013           | 0.00011            | 0.112               | 0.00054            | 0.0015         |
| Oct 2030 | 0.0054          | 0.000041          | 0.00026            | 0.0012           | 0.015          | 0.000031       | 0.0058              | 0.0116               | 0.0014           | 0.000116           | 0.118               | 0.00057            | 0.0016         |
| Nov 2030 | 0.0063          | 0.000046          | 0.00029            | 0.0014           | 0.017          | 0.000035       | 0.0065              | 0.0136               | 0.0016           | 0.000132           | 0.136               | 0.00066            | 0.0018         |
| Dec 2030 | 0.0074          | 0.000054          | 0.00034            | 0.0016           | 0.02           | 0.00004        | 0.0074              | 0.0161               | 0.0019           | 0.00015            | 0.161               | 0.00078            | 0.002          |
| Jan 2031 | 0.0085          | 0.000061          | 0.00038            | 0.0018           | 0.023          | 0.000045       | 0.0084              | 0.0186               | 0.0021           | 0.00018            | 0.186               | 0.0009             | 0.0023         |
| Feb 2031 | 0.0089          | 0.000063          | 0.00039            | 0.0018           | 0.024          | 0.000046       | 0.0087              | 0.019                | 0.0022           | 0.00018            | 0.193               | 0.00093            | 0.0024         |
| Mar 2031 | 0.0091          | 0.000064          | 0.0004             | 0.0018           | 0.024          | 0.000047       | 0.0088              | 0.02                 | 0.0022           | 0.00019            | 0.197               | 0.00095            | 0.0024         |
| Apr 2031 | 0.009           | 0.000063          | 0.00039            | 0.0018           | 0.024          | 0.000046       | 0.0087              | 0.02                 | 0.0022           | 0.00018            | 0.195               | 0.00094            | 0.0024         |
| May 2031 | 0.0078          | 0.000054          | 0.00034            | 0.0016           | 0.02           | 0.000039       | 0.0074              | 0.017                | 0.0019           | 0.00016            | 0.169               | 0.00082            | 0.002          |
| Jun 2031 | 0.0068          | 0.000045          | 0.00027            | 0.0012           | 0.017          | 0.000032       | 0.0058              | 0.015                | 0.0015           | 0.00013            | 0.146               | 0.00072            | 0.0016         |
| Jul 2031 | 0.0064          | 0.000042          | 0.00025            | 0.0011           | 0.016          | 0.00003        | 0.0052              | 0.014                | 0.0013           | 0.00013            | 0.133               | 0.00068            | 0.0014         |
| Aug 2031 | 0.006           | 0.000041          | 0.00025            | 0.0011           | 0.016          | 0.00003        | 0.0053              | 0.013                | 0.0013           | 0.00012            | 0.122               | 0.00063            | 0.0014         |
| Sep 2031 | 0.0059          | 0.000041          | 0.00026            | 0.0012           | 0.016          | 0.00003        | 0.0055              | 0.013                | 0.0014           | 0.00012            | 0.119               | 0.00063            | 0.0015         |
| Oct 2031 | 0.0062          | 0.000044          | 0.00027            | 0.0012           | 0.017          | 0.000032       | 0.0058              | 0.014                | 0.0015           | 0.00013            | 0.125               | 0.00066            | 0.0016         |
| Nov 2031 | 0.0072          | 0.000049          | 0.0003             | 0.0014           | 0.019          | 0.000035       | 0.0065              | 0.016                | 0.0017           | 0.00014            | 0.145               | 0.00077            | 0.0018         |
| Dec 2031 | 0.0085          | 0.000057          | 0.00035            | 0.0016           | 0.022          | 0.000041       | 0.0075              | 0.019                | 0.0019           | 0.00017            | 0.171               | 0.0009             | 0.002          |
| Jan 2032 | 0.0097          | 0.000065          | 0.00039            | 0.0018           | 0.025          | 0.000046       | 0.0085              | 0.022                | 0.0022           | 0.00019            | 0.196               | 0.00104            | 0.0023         |
| Feb 2032 | 0.0101          | 0.000067          | 0.00041            | 0.0018           | 0.026          | 0.000047       | 0.0087              | 0.022                | 0.0023           | 0.0002             | 0.204               | 0.00108            | 0.0024         |
| Mar 2032 | 0.0103          | 0.000068          | 0.00041            | 0.0018           | 0.026          | 0.000048       | 0.0088              | 0.023                | 0.0023           | 0.0002             | 0.208               | 0.0011             | 0.0024         |
| Apr 2032 | 0.0103          | 0.000067          | 0.00041            | 0.0018           | 0.026          | 0.000047       | 0.0087              | 0.023                | 0.0023           | 0.0002             | 0.207               | 0.0011             | 0.0024         |
| May 2032 | 0.0089          | 0.000058          | 0.00035            | 0.0016           | 0.022          | 0.000041       | 0.0075              | 0.02                 | 0.002            | 0.00017            | 0.18                | 0.00095            | 0.0021         |
| Jun 2032 | 0.0077          | 0.000048          | 0.00028            | 0.0012           | 0.019          | 0.000033       | 0.0058              | 0.017                | 0.0015           | 0.00015            | 0.153               | 0.00082            | 0.0016         |
| Jul 2032 | 0.007           | 0.000044          | 0.00026            | 0.0011           | 0.017          | 0.00003        | 0.0052              | 0.016                | 0.0014           | 0.00013            | 0.136               | 0.00076            | 0.0014         |
| Aug 2032 | 0.0065          | 0.000043          | 0.00026            | 0.0011           | 0.017          | 0.00003        | 0.0053              | 0.014                | 0.0014           | 0.00013            | 0.123               | 0.0007             | 0.0014         |
| Sep 2032 | 0.0064          | 0.000043          | 0.00026            | 0.0012           | 0.017          | 0.00003        | 0.0055              | 0.014                | 0.0014           | 0.00013            | 0.12                | 0.00069            | 0.0015         |
| Oct 2032 | 0.0067          | 0.000045          | 0.00027            | 0.0012           | 0.018          | 0.000032       | 0.0058              | 0.015                | 0.0015           | 0.00013            | 0.126               | 0.00072            | 0.0016         |



**Table 8F3-1      Predicted Slipper Lake Water Quality  
Part B**

| Month    | Boron<br>(mg/L) | Cadmium<br>(mg/L) | Chromium<br>(mg/L) | Copper<br>(mg/L) | Iron<br>(mg/L) | Lead<br>(mg/L) | Manganese<br>(mg/L) | Molybdenum<br>(mg/L) | Nickel<br>(mg/L) | Selenium<br>(mg/L) | Strontium<br>(mg/L) | Vanadium<br>(mg/L) | Zinc<br>(mg/L) |
|----------|-----------------|-------------------|--------------------|------------------|----------------|----------------|---------------------|----------------------|------------------|--------------------|---------------------|--------------------|----------------|
| Nov 2032 | 0.0077          | 0.000051          | 0.00031            | 0.0014           | 0.02           | 0.000036       | 0.0065              | 0.017                | 0.0017           | 0.00015            | 0.145               | 0.00083            | 0.0018         |
| Dec 2032 | 0.0091          | 0.000059          | 0.00035            | 0.0016           | 0.023          | 0.000041       | 0.0075              | 0.02                 | 0.002            | 0.00018            | 0.171               | 0.00098            | 0.0021         |
| Jan 2033 | 0.0105          | 0.000067          | 0.0004             | 0.0018           | 0.026          | 0.000046       | 0.0085              | 0.023                | 0.0023           | 0.0002             | 0.196               | 0.00113            | 0.0023         |
| Feb 2033 | 0.0109          | 0.00007           | 0.00041            | 0.0018           | 0.027          | 0.000048       | 0.0088              | 0.024                | 0.0024           | 0.00021            | 0.205               | 0.00118            | 0.0024         |
| Mar 2033 | 0.0111          | 0.00007           | 0.00042            | 0.0018           | 0.028          | 0.000048       | 0.0088              | 0.025                | 0.0024           | 0.00021            | 0.209               | 0.0012             | 0.0024         |
| Apr 2033 | 0.0111          | 0.00007           | 0.00041            | 0.0018           | 0.028          | 0.000048       | 0.0087              | 0.025                | 0.0024           | 0.00021            | 0.208               | 0.0012             | 0.0024         |
| May 2033 | 0.0096          | 0.00006           | 0.00036            | 0.0016           | 0.024          | 0.000041       | 0.0075              | 0.021                | 0.002            | 0.00018            | 0.18                | 0.00104            | 0.0021         |
| Jun 2033 | 0.0083          | 0.00005           | 0.00029            | 0.0012           | 0.02           | 0.000033       | 0.0058              | 0.019                | 0.0016           | 0.00016            | 0.153               | 0.0009             | 0.0016         |
| Jul 2033 | 0.0075          | 0.000045          | 0.00027            | 0.0011           | 0.018          | 0.000031       | 0.0052              | 0.0168               | 0.0014           | 0.00014            | 0.135               | 0.00082            | 0.0014         |
| Aug 2033 | 0.0069          | 0.000044          | 0.00026            | 0.0011           | 0.018          | 0.00003        | 0.0054              | 0.015                | 0.0014           | 0.00013            | 0.123               | 0.00075            | 0.0014         |
| Sep 2033 | 0.0068          | 0.000044          | 0.00027            | 0.0012           | 0.018          | 0.000031       | 0.0055              | 0.015                | 0.0015           | 0.00013            | 0.119               | 0.00074            | 0.0015         |
| Oct 2033 | 0.0071          | 0.000046          | 0.00028            | 0.0012           | 0.019          | 0.000032       | 0.0058              | 0.016                | 0.0016           | 0.00014            | 0.124               | 0.00078            | 0.0016         |
| Nov 2033 | 0.0082          | 0.000052          | 0.00031            | 0.0014           | 0.021          | 0.000036       | 0.0065              | 0.018                | 0.0018           | 0.00016            | 0.143               | 0.00089            | 0.0018         |
| Dec 2033 | 0.0096          | 0.00006           | 0.00036            | 0.0016           | 0.024          | 0.000041       | 0.0075              | 0.021                | 0.0021           | 0.00019            | 0.17                | 0.00105            | 0.0021         |
| Jan 2034 | 0.0111          | 0.000069          | 0.00041            | 0.0018           | 0.028          | 0.000047       | 0.0085              | 0.025                | 0.0024           | 0.00021            | 0.19                | 0.00121            | 0.0023         |
| Feb 2034 | 0.0116          | 0.000071          | 0.00042            | 0.0018           | 0.029          | 0.000049       | 0.0088              | 0.026                | 0.0025           | 0.00022            | 0.2                 | 0.00126            | 0.0024         |
| Mar 2034 | 0.0118          | 0.000072          | 0.00042            | 0.0018           | 0.029          | 0.000049       | 0.0088              | 0.026                | 0.0025           | 0.00022            | 0.21                | 0.00129            | 0.0025         |
| Apr 2034 | 0.0117          | 0.000072          | 0.00042            | 0.0018           | 0.029          | 0.000048       | 0.0088              | 0.026                | 0.0025           | 0.00022            | 0.21                | 0.00128            | 0.0024         |
| May 2034 | 0.0101          | 0.000062          | 0.00036            | 0.0016           | 0.025          | 0.000042       | 0.0075              | 0.023                | 0.0021           | 0.00019            | 0.18                | 0.00111            | 0.0021         |
| Jun 2034 | 0.0087          | 0.000051          | 0.00029            | 0.0012           | 0.021          | 0.000034       | 0.0059              | 0.02                 | 0.0017           | 0.00016            | 0.15                | 0.00095            | 0.0016         |
| Jul 2034 | 0.0078          | 0.000046          | 0.00027            | 0.0011           | 0.019          | 0.000031       | 0.0052              | 0.018                | 0.0015           | 0.00015            | 0.13                | 0.00086            | 0.0014         |
| Aug 2034 | 0.0072          | 0.000045          | 0.00027            | 0.0011           | 0.019          | 0.000031       | 0.0054              | 0.016                | 0.0015           | 0.00014            | 0.12                | 0.00079            | 0.0015         |
| Sep 2034 | 0.0071          | 0.000045          | 0.00027            | 0.0012           | 0.018          | 0.000031       | 0.0055              | 0.015                | 0.0015           | 0.00014            | 0.12                | 0.00078            | 0.0015         |
| Oct 2034 | 0.0074          | 0.000047          | 0.00028            | 0.0012           | 0.019          | 0.000032       | 0.0058              | 0.016                | 0.0016           | 0.00014            | 0.12                | 0.00082            | 0.0016         |
| Nov 2034 | 0.0085          | 0.000053          | 0.00031            | 0.0014           | 0.022          | 0.000036       | 0.0065              | 0.019                | 0.0018           | 0.00017            | 0.14                | 0.00094            | 0.0018         |
| Dec 2034 | 0.010           | 0.000061          | 0.00036            | 0.0016           | 0.025          | 0.000042       | 0.007               | 0.022                | 0.0021           | 0.00019            | 0.16                | 0.00111            | 0.0021         |
| Jan 2035 | 0.0115          | 0.00007           | 0.00041            | 0.0018           | 0.029          | 0.000047       | 0.008               | 0.025                | 0.0024           | 0.00022            | 0.19                | 0.00127            | 0.0024         |
| Feb 2035 | 0.012           | 0.00007           | 0.00042            | 0.0018           | 0.03           | 0.000049       | 0.009               | 0.027                | 0.0025           | 0.00023            | 0.2                 | 0.00133            | 0.0024         |
| Mar 2035 | 0.0122          | 0.00007           | 0.00043            | 0.0018           | 0.031          | 0.000049       | 0.009               | 0.027                | 0.0026           | 0.00023            | 0.2                 | 0.00135            | 0.0025         |
| Apr 2035 | 0.0121          | 0.00007           | 0.00042            | 0.0018           | 0.03           | 0.000049       | 0.009               | 0.027                | 0.0025           | 0.00023            | 0.2                 | 0.00134            | 0.0024         |
| May 2035 | 0.0105          | 0.000063          | 0.00036            | 0.0016           | 0.026          | 0.000042       | 0.008               | 0.023                | 0.0022           | 0.0002             | 0.17                | 0.00117            | 0.0021         |
| Jun 2035 | 0.009           | 0.000052          | 0.0003             | 0.0012           | 0.022          | 0.000034       | 0.0058              | 0.02                 | 0.0017           | 0.00017            | 0.15                | 0.0010             | 0.0016         |
| Jul 2035 | 0.008           | 0.000047          | 0.00027            | 0.0011           | 0.02           | 0.000031       | 0.0052              | 0.018                | 0.0015           | 0.00015            | 0.13                | 0.0009             | 0.0014         |
| Aug 2035 | 0.0074          | 0.000045          | 0.00027            | 0.0011           | 0.019          | 0.000031       | 0.0053              | 0.016                | 0.0015           | 0.00014            | 0.12                | 0.00083            | 0.0015         |
| Sep 2035 | 0.0072          | 0.000045          | 0.00027            | 0.0012           | 0.019          | 0.000031       | 0.0055              | 0.016                | 0.0016           | 0.00014            | 0.11                | 0.00081            | 0.0015         |
| Oct 2035 | 0.0076          | 0.000048          | 0.00028            | 0.0012           | 0.02           | 0.000033       | 0.0058              | 0.017                | 0.0017           | 0.00015            | 0.12                | 0.00085            | 0.0016         |
| Nov 2035 | 0.0087          | 0.000054          | 0.00032            | 0.0014           | 0.023          | 0.000037       | 0.0065              | 0.019                | 0.0019           | 0.00017            | 0.13                | 0.00098            | 0.0018         |
| Dec 2035 | 0.0103          | 0.000062          | 0.00036            | 0.0016           | 0.026          | 0.000042       | 0.0075              | 0.023                | 0.0022           | 0.0002             | 0.16                | 0.00116            | 0.0021         |
| Jan 2036 | 0.0118          | 0.000071          | 0.00041            | 0.0018           | 0.03           | 0.000048       | 0.008               | 0.026                | 0.0025           | 0.00023            | 0.18                | 0.00134            | 0.0024         |



Table 8F3-1      Predicted Slipper Lake Water Quality  
Part B

| Month    | Boron<br>(mg/L) | Cadmium<br>(mg/L) | Chromium<br>(mg/L) | Copper<br>(mg/L) | Iron<br>(mg/L) | Lead<br>(mg/L) | Manganese<br>(mg/L) | Molybdenum<br>(mg/L) | Nickel<br>(mg/L) | Selenium<br>(mg/L) | Strontium<br>(mg/L) | Vanadium<br>(mg/L) | Zinc<br>(mg/L) |
|----------|-----------------|-------------------|--------------------|------------------|----------------|----------------|---------------------|----------------------|------------------|--------------------|---------------------|--------------------|----------------|
| Feb 2036 | 0.0123          | 0.000074          | 0.00043            | 0.0018           | 0.031          | 0.000049       | 0.009               | 0.028                | 0.0026           | 0.00024            | 0.19                | 0.00139            | 0.0025         |
| Mar 2036 | 0.0126          | 0.000075          | 0.00043            | 0.0018           | 0.032          | 0.00005        | 0.009               | 0.028                | 0.0026           | 0.00024            | 0.19                | 0.00142            | 0.0025         |
| Apr 2036 | 0.0125          | 0.000074          | 0.00043            | 0.0018           | 0.032          | 0.000049       | 0.009               | 0.028                | 0.0026           | 0.00024            | 0.19                | 0.00141            | 0.0025         |
| May 2036 | 0.0109          | 0.000064          | 0.00037            | 0.0016           | 0.027          | 0.000043       | 0.0076              | 0.024                | 0.0023           | 0.00021            | 0.17                | 0.00123            | 0.0021         |
| Jun 2036 | 0.0093          | 0.000053          | 0.0003             | 0.0012           | 0.023          | 0.000034       | 0.0059              | 0.021                | 0.0018           | 0.00018            | 0.14                | 0.00106            | 0.0016         |
| Jul 2036 | 0.0083          | 0.000048          | 0.00027            | 0.0011           | 0.021          | 0.000031       | 0.0052              | 0.019                | 0.0016           | 0.00016            | 0.12                | 0.00095            | 0.0014         |
| Aug 2036 | 0.0076          | 0.000046          | 0.00027            | 0.0011           | 0.02           | 0.000031       | 0.0053              | 0.017                | 0.0016           | 0.00015            | 0.11                | 0.00087            | 0.0015         |
| Sep 2036 | 0.0074          | 0.000046          | 0.00027            | 0.0012           | 0.02           | 0.000031       | 0.0055              | 0.016                | 0.0016           | 0.00015            | 0.11                | 0.00085            | 0.0015         |
| Oct 2036 | 0.0078          | 0.000048          | 0.00028            | 0.0012           | 0.021          | 0.000033       | 0.0058              | 0.017                | 0.0017           | 0.00015            | 0.11                | 0.00089            | 0.0016         |
| Nov 2036 | 0.0089          | 0.000054          | 0.00032            | 0.0014           | 0.023          | 0.000037       | 0.0065              | 0.02                 | 0.0019           | 0.00018            | 0.13                | 0.00102            | 0.0018         |
| Dec 2036 | 0.0105          | 0.000063          | 0.00037            | 0.0016           | 0.027          | 0.000042       | 0.007               | 0.024                | 0.0022           | 0.00021            | 0.15                | 0.0012             | 0.0021         |
| Jan 2037 | 0.0121          | 0.00007           | 0.00042            | 0.0018           | 0.031          | 0.000048       | 0.008               | 0.027                | 0.0026           | 0.00024            | 0.18                | 0.00139            | 0.0024         |
| Feb 2037 | 0.0127          | 0.00007           | 0.00043            | 0.0018           | 0.032          | 0.000049       | 0.009               | 0.029                | 0.0027           | 0.00025            | 0.19                | 0.00145            | 0.0025         |
| Mar 2037 | 0.0129          | 0.00008           | 0.00044            | 0.0018           | 0.033          | 0.00005        | 0.009               | 0.029                | 0.0027           | 0.00025            | 0.19                | 0.00148            | 0.0025         |
| Apr 2037 | 0.0129          | 0.00008           | 0.00043            | 0.0018           | 0.032          | 0.000049       | 0.009               | 0.029                | 0.0027           | 0.00025            | 0.19                | 0.00147            | 0.0025         |
| May 2037 | 0.0112          | 0.000065          | 0.00037            | 0.0016           | 0.028          | 0.000043       | 0.008               | 0.025                | 0.0023           | 0.00022            | 0.16                | 0.00128            | 0.0021         |
| Jun 2037 | 0.0096          | 0.000054          | 0.0003             | 0.0012           | 0.023          | 0.000034       | 0.0059              | 0.022                | 0.0018           | 0.00018            | 0.14                | 0.0011             | 0.0016         |
| Jul 2037 | 0.0085          | 0.000048          | 0.00028            | 0.0011           | 0.021          | 0.000031       | 0.0052              | 0.019                | 0.0016           | 0.00016            | 0.12                | 0.00098            | 0.0014         |
| Aug 2037 | 0.0077          | 0.000046          | 0.00027            | 0.0011           | 0.02           | 0.000031       | 0.0053              | 0.017                | 0.0016           | 0.00015            | 0.11                | 0.00089            | 0.0015         |
| Sep 2037 | 0.0075          | 0.000046          | 0.00027            | 0.0012           | 0.02           | 0.000031       | 0.0055              | 0.017                | 0.0016           | 0.00015            | 0.11                | 0.00086            | 0.0015         |
| Oct 2037 | 0.0078          | 0.000048          | 0.00028            | 0.0012           | 0.021          | 0.000033       | 0.0058              | 0.017                | 0.0017           | 0.00016            | 0.11                | 0.0009             | 0.0016         |
| Nov 2037 | 0.009           | 0.000054          | 0.00032            | 0.0014           | 0.024          | 0.000037       | 0.0065              | 0.02                 | 0.0019           | 0.00018            | 0.13                | 0.00103            | 0.0018         |
| Dec 2037 | 0.0106          | 0.000063          | 0.00037            | 0.0016           | 0.027          | 0.000042       | 0.007               | 0.024                | 0.0022           | 0.00021            | 0.15                | 0.00122            | 0.0021         |
| Jan 2038 | 0.0122          | 0.000072          | 0.00041            | 0.0018           | 0.031          | 0.000048       | 0.008               | 0.027                | 0.0026           | 0.00024            | 0.17                | 0.0014             | 0.0024         |
| Feb 2038 | 0.0127          | 0.00007           | 0.00043            | 0.0018           | 0.032          | 0.000049       | 0.009               | 0.029                | 0.0027           | 0.00025            | 0.18                | 0.00147            | 0.0025         |
| Mar 2038 | 0.013           | 0.00008           | 0.00043            | 0.0018           | 0.033          | 0.00005        | 0.009               | 0.029                | 0.0027           | 0.00026            | 0.18                | 0.00149            | 0.0025         |
| Apr 2038 | 0.0129          | 0.000075          | 0.00043            | 0.0018           | 0.033          | 0.000049       | 0.009               | 0.029                | 0.0027           | 0.00025            | 0.18                | 0.00149            | 0.0025         |
| May 2038 | 0.0113          | 0.000065          | 0.00037            | 0.0016           | 0.028          | 0.000043       | 0.0075              | 0.026                | 0.0023           | 0.00022            | 0.16                | 0.0013             | 0.0021         |
| Jun 2038 | 0.0096          | 0.000054          | 0.0003             | 0.0012           | 0.023          | 0.000034       | 0.0059              | 0.022                | 0.0018           | 0.00019            | 0.13                | 0.00111            | 0.0016         |
| Jul 2038 | 0.0085          | 0.000048          | 0.00027            | 0.0011           | 0.021          | 0.000031       | 0.0052              | 0.019                | 0.0016           | 0.00017            | 0.12                | 0.00098            | 0.0014         |
| Aug 2038 | 0.0077          | 0.000046          | 0.00027            | 0.0011           | 0.02           | 0.000031       | 0.0053              | 0.017                | 0.0016           | 0.00015            | 0.1                 | 0.00089            | 0.0015         |
| Sep 2038 | 0.0075          | 0.000046          | 0.00027            | 0.0012           | 0.02           | 0.000031       | 0.0054              | 0.017                | 0.0016           | 0.00015            | 0.1                 | 0.00086            | 0.0015         |
| Oct 2038 | 0.0078          | 0.000048          | 0.00028            | 0.0012           | 0.021          | 0.000033       | 0.0058              | 0.017                | 0.0017           | 0.00016            | 0.11                | 0.0009             | 0.0016         |
| Nov 2038 | 0.009           | 0.000054          | 0.00032            | 0.0014           | 0.024          | 0.000036       | 0.0065              | 0.02                 | 0.0019           | 0.00018            | 0.12                | 0.00103            | 0.0018         |
| Dec 2038 | 0.0106          | 0.000063          | 0.00036            | 0.0016           | 0.027          | 0.000042       | 0.0074              | 0.024                | 0.0022           | 0.00021            | 0.14                | 0.00122            | 0.0021         |
| Jan 2039 | 0.013           | 0.000075          | 0.00043            | 0.0018           | 0.033          | 0.000049       | 0.009               | 0.029                | 0.0027           | 0.00026            | 0.18                | 0.0015             | 0.0025         |
| Feb 2039 | 0.014           | 0.00008           | 0.00045            | 0.0019           | 0.035          | 0.000051       | 0.009               | 0.032                | 0.0029           | 0.00028            | 0.19                | 0.0016             | 0.0026         |
| Mar 2039 | 0.015           | 0.00008           | 0.00046            | 0.0019           | 0.036          | 0.000052       | 0.009               | 0.034                | 0.0029           | 0.00029            | 0.2                 | 0.0017             | 0.0026         |
| Apr 2039 | 0.015           | 0.00008           | 0.00045            | 0.0018           | 0.035          | 0.000051       | 0.009               | 0.033                | 0.0029           | 0.00028            | 0.2                 | 0.0017             | 0.0026         |

**Table 8F3-1 Predicted Slipper Lake Water Quality  
Part B**

| Month    | Boron<br>(mg/L) | Cadmium<br>(mg/L) | Chromium<br>(mg/L) | Copper<br>(mg/L) | Iron<br>(mg/L) | Lead<br>(mg/L) | Manganese<br>(mg/L) | Molybdenum<br>(mg/L) | Nickel<br>(mg/L) | Selenium<br>(mg/L) | Strontium<br>(mg/L) | Vanadium<br>(mg/L) | Zinc<br>(mg/L) |
|----------|-----------------|-------------------|--------------------|------------------|----------------|----------------|---------------------|----------------------|------------------|--------------------|---------------------|--------------------|----------------|
| May 2039 | 0.0127          | 0.000069          | 0.00038            | 0.0015           | 0.03           | 0.000043       | 0.0074              | 0.029                | 0.0024           | 0.00024            | 0.17                | 0.00147            | 0.0021         |
| Jun 2039 | 0.0108          | 0.000056          | 0.0003             | 0.0011           | 0.025          | 0.000034       | 0.0054              | 0.025                | 0.0018           | 0.00022            | 0.15                | 0.00126            | 0.0015         |
| Jul 2039 | 0.0093          | 0.000052          | 0.00029            | 0.001            | 0.022          | 0.000033       | 0.0049              | 0.022                | 0.0015           | 0.00022            | 0.12                | 0.00109            | 0.0013         |
| Aug 2039 | 0.0089          | 0.000051          | 0.00029            | 0.001            | 0.022          | 0.000033       | 0.0049              | 0.02                 | 0.0014           | 0.00023            | 0.12                | 0.00104            | 0.0012         |
| Sep 2039 | 0.009           | 0.000052          | 0.00029            | 0.001            | 0.022          | 0.000033       | 0.0049              | 0.021                | 0.0014           | 0.00024            | 0.12                | 0.00106            | 0.0012         |
| Oct 2039 | 0.0098          | 0.000055          | 0.00031            | 0.0011           | 0.024          | 0.000036       | 0.0052              | 0.023                | 0.0015           | 0.00026            | 0.13                | 0.00115            | 0.0013         |
| Nov 2039 | 0.0112          | 0.000063          | 0.00035            | 0.0012           | 0.027          | 0.00004        | 0.0058              | 0.026                | 0.0017           | 0.00029            | 0.15                | 0.0013             | 0.0015         |
| Dec 2039 | 0.0129          | 0.000072          | 0.0004             | 0.0013           | 0.031          | 0.000045       | 0.0066              | 0.03                 | 0.0019           | 0.00034            | 0.17                | 0.0015             | 0.0017         |
| Jan 2040 | 0.015           | 0.000081          | 0.00045            | 0.0015           | 0.035          | 0.000051       | 0.007               | 0.034                | 0.0022           | 0.00038            | 0.19                | 0.0017             | 0.0018         |
| Feb 2040 | 0.015           | 0.000082          | 0.00046            | 0.0015           | 0.036          | 0.000052       | 0.007               | 0.035                | 0.0022           | 0.00039            | 0.2                 | 0.0018             | 0.0019         |
| Mar 2040 | 0.015           | 0.000083          | 0.00046            | 0.0015           | 0.036          | 0.000052       | 0.008               | 0.035                | 0.0023           | 0.00039            | 0.2                 | 0.0018             | 0.0019         |
| Apr 2040 | 0.015           | 0.000081          | 0.00045            | 0.0015           | 0.035          | 0.000051       | 0.007               | 0.034                | 0.0022           | 0.00038            | 0.19                | 0.0017             | 0.0018         |
| May 2040 | 0.013           | 0.000068          | 0.00038            | 0.0012           | 0.03           | 0.000043       | 0.0061              | 0.029                | 0.0019           | 0.00032            | 0.16                | 0.0015             | 0.0015         |
| Jun 2040 | 0.0101          | 0.000054          | 0.0003             | 0.001            | 0.024          | 0.000034       | 0.0048              | 0.023                | 0.0015           | 0.00025            | 0.13                | 0.0012             | 0.0012         |
| Jul 2040 | 0.0085          | 0.000049          | 0.00028            | 0.001            | 0.021          | 0.000032       | 0.0047              | 0.02                 | 0.0013           | 0.00023            | 0.11                | 0.001              | 0.0012         |
| Aug 2040 | 0.0083          | 0.000049          | 0.00029            | 0.001            | 0.021          | 0.000033       | 0.0048              | 0.019                | 0.0013           | 0.00023            | 0.11                | 0.00097            | 0.0012         |
| Sep 2040 | 0.0085          | 0.00005           | 0.00029            | 0.001            | 0.022          | 0.000033       | 0.0049              | 0.02                 | 0.0014           | 0.00024            | 0.11                | 0.0010             | 0.0012         |
| Oct 2040 | 0.0093          | 0.000054          | 0.00031            | 0.0011           | 0.023          | 0.000036       | 0.0052              | 0.021                | 0.0015           | 0.00026            | 0.12                | 0.00109            | 0.0013         |
| Nov 2040 | 0.0107          | 0.000061          | 0.00035            | 0.0012           | 0.026          | 0.00004        | 0.0058              | 0.025                | 0.0017           | 0.00029            | 0.14                | 0.0012             | 0.0014         |
| Dec 2040 | 0.012           | 0.00007           | 0.0004             | 0.0013           | 0.03           | 0.000045       | 0.0066              | 0.028                | 0.0019           | 0.00034            | 0.16                | 0.0014             | 0.0016         |
| Jan 2041 | 0.014           | 0.000079          | 0.00045            | 0.0015           | 0.034          | 0.000051       | 0.007               | 0.032                | 0.0021           | 0.00038            | 0.18                | 0.0016             | 0.0018         |
| Feb 2041 | 0.014           | 0.000081          | 0.00046            | 0.0015           | 0.035          | 0.000052       | 0.007               | 0.033                | 0.0022           | 0.00039            | 0.18                | 0.0017             | 0.0019         |
| Mar 2041 | 0.014           | 0.000081          | 0.00046            | 0.0015           | 0.035          | 0.000052       | 0.008               | 0.033                | 0.0022           | 0.00039            | 0.18                | 0.0017             | 0.0019         |
| Apr 2041 | 0.014           | 0.000079          | 0.00045            | 0.0015           | 0.034          | 0.00005        | 0.007               | 0.032                | 0.0021           | 0.00038            | 0.18                | 0.0016             | 0.0018         |
| May 2041 | 0.012           | 0.000067          | 0.00038            | 0.0012           | 0.029          | 0.000042       | 0.0061              | 0.028                | 0.0018           | 0.00032            | 0.15                | 0.0014             | 0.0015         |
| Jun 2041 | 0.0095          | 0.000053          | 0.0003             | 0.001            | 0.023          | 0.000034       | 0.0049              | 0.022                | 0.0014           | 0.00024            | 0.12                | 0.0011             | 0.0012         |
| Jul 2041 | 0.008           | 0.000048          | 0.00028            | 0.001            | 0.021          | 0.000032       | 0.0048              | 0.018                | 0.0013           | 0.00022            | 0.1                 | 0.0009             | 0.0012         |
| Aug 2041 | 0.0077          | 0.000048          | 0.00028            | 0.001            | 0.02           | 0.000032       | 0.0048              | 0.017                | 0.0013           | 0.00023            | 0.1                 | 0.0009             | 0.0012         |
| Sep 2041 | 0.0079          | 0.000049          | 0.00029            | 0.001            | 0.021          | 0.000033       | 0.0049              | 0.018                | 0.0013           | 0.00023            | 0.1                 | 0.00092            | 0.0012         |
| Oct 2041 | 0.0086          | 0.000052          | 0.00031            | 0.0011           | 0.022          | 0.000035       | 0.0053              | 0.02                 | 0.0014           | 0.00025            | 0.11                | 0.0010             | 0.0013         |
| Nov 2041 | 0.0098          | 0.000059          | 0.00035            | 0.0012           | 0.025          | 0.000039       | 0.0059              | 0.022                | 0.0016           | 0.00028            | 0.12                | 0.0011             | 0.0015         |
| Dec 2041 | 0.011           | 0.000068          | 0.00039            | 0.0013           | 0.029          | 0.000045       | 0.0067              | 0.026                | 0.0019           | 0.00032            | 0.14                | 0.0013             | 0.0017         |
| Jan 2042 | 0.013           | 0.000076          | 0.00044            | 0.0015           | 0.032          | 0.00005        | 0.007               | 0.029                | 0.0021           | 0.00036            | 0.16                | 0.0015             | 0.0019         |
| Feb 2042 | 0.013           | 0.000078          | 0.00045            | 0.0015           | 0.033          | 0.000051       | 0.008               | 0.03                 | 0.0021           | 0.00037            | 0.17                | 0.0015             | 0.0019         |
| Mar 2042 | 0.013           | 0.000078          | 0.00045            | 0.0015           | 0.033          | 0.000051       | 0.008               | 0.03                 | 0.0021           | 0.00037            | 0.17                | 0.0015             | 0.0019         |
| Apr 2042 | 0.013           | 0.000076          | 0.00044            | 0.0015           | 0.032          | 0.00005        | 0.007               | 0.029                | 0.0021           | 0.00036            | 0.16                | 0.0015             | 0.0018         |
| May 2042 | 0.011           | 0.000064          | 0.00037            | 0.0012           | 0.027          | 0.000042       | 0.0062              | 0.025                | 0.0018           | 0.00031            | 0.14                | 0.0013             | 0.0016         |
| Jun 2042 | 0.0085          | 0.00005           | 0.00029            | 0.001            | 0.021          | 0.000033       | 0.0049              | 0.02                 | 0.0014           | 0.00023            | 0.11                | 0.001              | 0.0012         |
| Jul 2042 | 0.0071          | 0.000046          | 0.00027            | 0.001            | 0.019          | 0.000031       | 0.0048              | 0.016                | 0.0013           | 0.00021            | 0.09                | 0.00082            | 0.0012         |

**Table 8F3-1      Predicted Slipper Lake Water Quality  
Part B**

| Month    | Boron<br>(mg/L) | Cadmium<br>(mg/L) | Chromium<br>(mg/L) | Copper<br>(mg/L) | Iron<br>(mg/L) | Lead<br>(mg/L) | Manganese<br>(mg/L) | Molybdenum<br>(mg/L) | Nickel<br>(mg/L) | Selenium<br>(mg/L) | Strontium<br>(mg/L) | Vanadium<br>(mg/L) | Zinc<br>(mg/L) |
|----------|-----------------|-------------------|--------------------|------------------|----------------|----------------|---------------------|----------------------|------------------|--------------------|---------------------|--------------------|----------------|
| Aug 2042 | 0.0068          | 0.000045          | 0.00028            | 0.001            | 0.019          | 0.000032       | 0.0049              | 0.015                | 0.0013           | 0.00021            | 0.09                | 0.00079            | 0.0012         |
| Sep 2042 | 0.007           | 0.000046          | 0.00028            | 0.001            | 0.019          | 0.000032       | 0.005               | 0.016                | 0.0013           | 0.00022            | 0.09                | 0.00081            | 0.0012         |
| Oct 2042 | 0.0076          | 0.00005           | 0.0003             | 0.0011           | 0.021          | 0.000034       | 0.0053              | 0.017                | 0.0014           | 0.00024            | 0.1                 | 0.00088            | 0.0013         |
| Nov 2042 | 0.0086          | 0.000056          | 0.00034            | 0.0012           | 0.023          | 0.000039       | 0.0059              | 0.02                 | 0.0016           | 0.00027            | 0.11                | 0.001              | 0.0015         |
| Dec 2042 | 0.0099          | 0.000064          | 0.00038            | 0.0014           | 0.027          | 0.000044       | 0.0067              | 0.023                | 0.0018           | 0.00031            | 0.13                | 0.0012             | 0.0017         |
| Jan 2043 | 0.011           | 0.000072          | 0.00043            | 0.0015           | 0.03           | 0.000049       | 0.008               | 0.026                | 0.002            | 0.00034            | 0.14                | 0.0013             | 0.0019         |
| Feb 2043 | 0.011           | 0.000073          | 0.00044            | 0.0015           | 0.03           | 0.00005        | 0.008               | 0.026                | 0.0021           | 0.00035            | 0.15                | 0.0013             | 0.0019         |
| Mar 2043 | 0.012           | 0.000074          | 0.00044            | 0.0015           | 0.031          | 0.00005        | 0.008               | 0.026                | 0.0021           | 0.00035            | 0.15                | 0.0013             | 0.0019         |
| Apr 2043 | 0.011           | 0.000071          | 0.00043            | 0.0015           | 0.03           | 0.000049       | 0.007               | 0.026                | 0.002            | 0.00034            | 0.14                | 0.0013             | 0.0019         |
| May 2043 | 0.0096          | 0.000061          | 0.00036            | 0.0013           | 0.025          | 0.000041       | 0.0063              | 0.022                | 0.0017           | 0.00029            | 0.12                | 0.0011             | 0.0016         |
| Jun 2043 | 0.0075          | 0.000048          | 0.00028            | 0.001            | 0.02           | 0.000032       | 0.005               | 0.017                | 0.0014           | 0.00021            | 0.1                 | 0.0009             | 0.0013         |
| Jul 2043 | 0.0062          | 0.000043          | 0.00027            | 0.001            | 0.018          | 0.000031       | 0.0048              | 0.014                | 0.0012           | 0.0002             | 0.08                | 0.00072            | 0.0012         |
| Aug 2043 | 0.006           | 0.000043          | 0.00027            | 0.001            | 0.017          | 0.000031       | 0.0049              | 0.013                | 0.0012           | 0.0002             | 0.07                | 0.00069            | 0.0012         |
| Sep 2043 | 0.0061          | 0.000044          | 0.00027            | 0.001            | 0.018          | 0.000032       | 0.005               | 0.014                | 0.0012           | 0.00021            | 0.08                | 0.00071            | 0.0012         |
| Oct 2043 | 0.0066          | 0.000047          | 0.00029            | 0.0011           | 0.019          | 0.000034       | 0.0053              | 0.015                | 0.0013           | 0.00022            | 0.08                | 0.00076            | 0.0013         |
| Nov 2043 | 0.0075          | 0.000053          | 0.00033            | 0.0012           | 0.021          | 0.000038       | 0.0059              | 0.017                | 0.0015           | 0.00025            | 0.1                 | 0.00087            | 0.0015         |
| Dec 2043 | 0.0087          | 0.00006           | 0.00037            | 0.0014           | 0.024          | 0.000043       | 0.0067              | 0.02                 | 0.0017           | 0.00029            | 0.11                | 0.001              | 0.0017         |
| Jan 2044 | 0.01            | 0.000068          | 0.00042            | 0.0015           | 0.027          | 0.000048       | 0.008               | 0.022                | 0.0019           | 0.00032            | 0.12                | 0.0011             | 0.0019         |
| Feb 2044 | 0.01            | 0.000069          | 0.00043            | 0.0015           | 0.028          | 0.000049       | 0.008               | 0.023                | 0.002            | 0.00033            | 0.13                | 0.0012             | 0.0019         |
| Mar 2044 | 0.01            | 0.00007           | 0.00043            | 0.0016           | 0.028          | 0.000049       | 0.008               | 0.023                | 0.002            | 0.00033            | 0.13                | 0.0012             | 0.0019         |
| Apr 2044 | 0.01            | 0.000068          | 0.00041            | 0.0015           | 0.027          | 0.000048       | 0.007               | 0.022                | 0.0019           | 0.00032            | 0.13                | 0.0011             | 0.0019         |
| May 2044 | 0.0085          | 0.000057          | 0.00035            | 0.0013           | 0.023          | 0.00004        | 0.0063              | 0.019                | 0.0016           | 0.00027            | 0.11                | 0.001              | 0.0016         |
| Jun 2044 | 0.0066          | 0.000045          | 0.00028            | 0.001            | 0.018          | 0.000032       | 0.005               | 0.015                | 0.0013           | 0.0002             | 0.08                | 0.0008             | 0.0013         |
| Jul 2044 | 0.0055          | 0.000041          | 0.00026            | 0.001            | 0.016          | 0.00003        | 0.0048              | 0.012                | 0.0012           | 0.00019            | 0.07                | 0.00063            | 0.0012         |
| Aug 2044 | 0.0053          | 0.000041          | 0.00026            | 0.001            | 0.016          | 0.000031       | 0.0049              | 0.012                | 0.0012           | 0.00019            | 0.07                | 0.00061            | 0.0012         |
| Sep 2044 | 0.0054          | 0.000042          | 0.00027            | 0.001            | 0.017          | 0.000031       | 0.005               | 0.012                | 0.0012           | 0.0002             | 0.07                | 0.00062            | 0.0012         |
| Oct 2044 | 0.0059          | 0.000045          | 0.00029            | 0.0011           | 0.018          | 0.000033       | 0.0053              | 0.013                | 0.0013           | 0.00021            | 0.07                | 0.00068            | 0.0013         |
| Nov 2044 | 0.0067          | 0.00005           | 0.00032            | 0.0012           | 0.02           | 0.000037       | 0.006               | 0.015                | 0.0015           | 0.00024            | 0.08                | 0.0008             | 0.0015         |
| Dec 2044 | 0.008           | 0.000058          | 0.00037            | 0.0014           | 0.023          | 0.000042       | 0.0068              | 0.017                | 0.0017           | 0.00027            | 0.1                 | 0.0009             | 0.0017         |
| Jan 2045 | 0.009           | 0.000065          | 0.00041            | 0.0015           | 0.026          | 0.000047       | 0.008               | 0.019                | 0.0019           | 0.00031            | 0.11                | 0.001              | 0.0019         |
| Feb 2045 | 0.009           | 0.000066          | 0.00042            | 0.0016           | 0.026          | 0.000048       | 0.008               | 0.02                 | 0.0019           | 0.00031            | 0.11                | 0.001              | 0.0019         |
| Mar 2045 | 0.009           | 0.000066          | 0.00042            | 0.0016           | 0.026          | 0.000048       | 0.008               | 0.02                 | 0.0019           | 0.00031            | 0.11                | 0.001              | 0.0019         |
| Apr 2045 | 0.009           | 0.000064          | 0.00041            | 0.0015           | 0.025          | 0.000047       | 0.008               | 0.02                 | 0.0019           | 0.00031            | 0.11                | 0.001              | 0.0019         |
| May 2045 | 0.007           | 0.000054          | 0.00034            | 0.0013           | 0.022          | 0.000039       | 0.0063              | 0.017                | 0.0016           | 0.00026            | 0.1                 | 0.0009             | 0.0016         |
| Jun 2045 | 0.0059          | 0.000043          | 0.00027            | 0.001            | 0.017          | 0.000031       | 0.005               | 0.013                | 0.0013           | 0.00019            | 0.07                | 0.0007             | 0.0013         |
| Jul 2045 | 0.005           | 0.00004           | 0.00026            | 0.001            | 0.016          | 0.00003        | 0.0049              | 0.011                | 0.0012           | 0.00018            | 0.06                | 0.00057            | 0.0012         |
| Aug 2045 | 0.0048          | 0.00004           | 0.00026            | 0.001            | 0.015          | 0.00003        | 0.005               | 0.01                 | 0.0012           | 0.00018            | 0.06                | 0.00055            | 0.0012         |
| Sep 2045 | 0.0049          | 0.00004           | 0.00026            | 0.001            | 0.016          | 0.000031       | 0.005               | 0.011                | 0.0012           | 0.00019            | 0.06                | 0.00056            | 0.0013         |
| Oct 2045 | 0.0053          | 0.000043          | 0.00028            | 0.0011           | 0.017          | 0.000033       | 0.0054              | 0.012                | 0.0013           | 0.0002             | 0.07                | 0.00061            | 0.0013         |

**Table 8F3-1 Predicted Slipper Lake Water Quality  
Part B**

| Month    | Boron<br>(mg/L) | Cadmium<br>(mg/L) | Chromium<br>(mg/L) | Copper<br>(mg/L) | Iron<br>(mg/L) | Lead<br>(mg/L) | Manganese<br>(mg/L) | Molybdenum<br>(mg/L) | Nickel<br>(mg/L) | Selenium<br>(mg/L) | Strontium<br>(mg/L) | Vanadium<br>(mg/L) | Zinc<br>(mg/L) |
|----------|-----------------|-------------------|--------------------|------------------|----------------|----------------|---------------------|----------------------|------------------|--------------------|---------------------|--------------------|----------------|
| Nov 2045 | 0.006           | 0.000049          | 0.00032            | 0.0012           | 0.019          | 0.000037       | 0.006               | 0.013                | 0.0014           | 0.00023            | 0.08                | 0.0007             | 0.0015         |
| Dec 2045 | 0.007           | 0.000055          | 0.00036            | 0.0014           | 0.022          | 0.000042       | 0.0068              | 0.015                | 0.0016           | 0.00026            | 0.09                | 0.0008             | 0.0017         |
| Jan 2046 | 0.008           | 0.000062          | 0.0004             | 0.0015           | 0.024          | 0.000046       | 0.008               | 0.017                | 0.0018           | 0.00029            | 0.1                 | 0.0009             | 0.0019         |
| Feb 2046 | 0.008           | 0.000063          | 0.00041            | 0.0016           | 0.025          | 0.000047       | 0.008               | 0.018                | 0.0019           | 0.0003             | 0.1                 | 0.0009             | 0.0019         |
| Mar 2046 | 0.008           | 0.000064          | 0.00041            | 0.0016           | 0.025          | 0.000048       | 0.008               | 0.018                | 0.0019           | 0.0003             | 0.1                 | 0.0009             | 0.0019         |
| Apr 2046 | 0.008           | 0.000062          | 0.0004             | 0.0015           | 0.024          | 0.000046       | 0.008               | 0.017                | 0.0018           | 0.00029            | 0.1                 | 0.0009             | 0.0019         |
| May 2046 | 0.007           | 0.000052          | 0.00033            | 0.0013           | 0.02           | 0.000039       | 0.0063              | 0.015                | 0.0016           | 0.00025            | 0.09                | 0.0008             | 0.0016         |
| Jun 2046 | 0.005           | 0.000041          | 0.00027            | 0.001            | 0.016          | 0.000031       | 0.005               | 0.012                | 0.0012           | 0.00018            | 0.07                | 0.0006             | 0.0013         |
| Jul 2046 | 0.0045          | 0.000038          | 0.00025            | 0.001            | 0.015          | 0.000029       | 0.0049              | 0.01                 | 0.0011           | 0.00017            | 0.06                | 0.0005             | 0.0012         |
| Aug 2046 | 0.0043          | 0.000038          | 0.00026            | 0.001            | 0.015          | 0.00003        | 0.005               | 0.009                | 0.0011           | 0.00018            | 0.05                | 0.00049            | 0.0012         |
| Sep 2046 | 0.0044          | 0.000039          | 0.00026            | 0.001            | 0.015          | 0.00003        | 0.0051              | 0.01                 | 0.0012           | 0.00018            | 0.05                | 0.0005             | 0.0013         |
| Oct 2046 | 0.0048          | 0.000042          | 0.00028            | 0.0011           | 0.016          | 0.000032       | 0.0054              | 0.01                 | 0.0012           | 0.00019            | 0.06                | 0.00055            | 0.0013         |
| Nov 2046 | 0.005           | 0.000047          | 0.00031            | 0.0012           | 0.018          | 0.000036       | 0.006               | 0.012                | 0.0014           | 0.00022            | 0.07                | 0.0006             | 0.0015         |
| Dec 2046 | 0.006           | 0.000054          | 0.00035            | 0.0014           | 0.02           | 0.000041       | 0.0068              | 0.014                | 0.0016           | 0.00025            | 0.08                | 0.0007             | 0.0017         |
| Jan 2047 | 0.007           | 0.00006           | 0.0004             | 0.0015           | 0.023          | 0.000046       | 0.008               | 0.016                | 0.0018           | 0.00028            | 0.09                | 0.0008             | 0.0019         |
| Feb 2047 | 0.007           | 0.000061          | 0.0004             | 0.0016           | 0.023          | 0.000047       | 0.008               | 0.016                | 0.0018           | 0.00029            | 0.09                | 0.0008             | 0.0019         |
| Mar 2047 | 0.007           | 0.000062          | 0.00041            | 0.0016           | 0.023          | 0.000047       | 0.008               | 0.016                | 0.0019           | 0.00029            | 0.09                | 0.0008             | 0.002          |
| Apr 2047 | 0.007           | 0.00006           | 0.00039            | 0.0015           | 0.023          | 0.000046       | 0.008               | 0.016                | 0.0018           | 0.00028            | 0.09                | 0.0008             | 0.0019         |
| May 2047 | 0.006           | 0.000051          | 0.00033            | 0.0013           | 0.019          | 0.000038       | 0.0064              | 0.013                | 0.0015           | 0.00024            | 0.08                | 0.0007             | 0.0016         |
| Jun 2047 | 0.005           | 0.00004           | 0.00026            | 0.001            | 0.015          | 0.00003        | 0.0051              | 0.011                | 0.0012           | 0.00018            | 0.06                | 0.0005             | 0.0013         |
| Jul 2047 | 0.0041          | 0.000037          | 0.00025            | 0.001            | 0.014          | 0.000029       | 0.0049              | 0.009                | 0.0011           | 0.00017            | 0.05                | 0.0005             | 0.0012         |
| Aug 2047 | 0.0039          | 0.000037          | 0.00025            | 0.001            | 0.014          | 0.000029       | 0.005               | 0.008                | 0.0011           | 0.00017            | 0.05                | 0.00045            | 0.0012         |
| Sep 2047 | 0.004           | 0.000038          | 0.00026            | 0.001            | 0.014          | 0.00003        | 0.005               | 0.009                | 0.0011           | 0.00018            | 0.05                | 0.00046            | 0.0013         |
| Oct 2047 | 0.0044          | 0.00004           | 0.00027            | 0.0011           | 0.015          | 0.000032       | 0.0054              | 0.009                | 0.0012           | 0.00019            | 0.05                | 0.0005             | 0.0013         |
| Nov 2047 | 0.005           | 0.000045          | 0.00031            | 0.0012           | 0.017          | 0.000036       | 0.006               | 0.011                | 0.0014           | 0.00021            | 0.06                | 0.0006             | 0.0015         |
| Dec 2047 | 0.006           | 0.000052          | 0.00035            | 0.0014           | 0.019          | 0.00004        | 0.0068              | 0.012                | 0.0016           | 0.00024            | 0.07                | 0.0007             | 0.0017         |
| Jan 2048 | 0.006           | 0.000058          | 0.00039            | 0.0015           | 0.022          | 0.000045       | 0.008               | 0.014                | 0.0018           | 0.00027            | 0.08                | 0.0007             | 0.0019         |
| Feb 2048 | 0.007           | 0.000059          | 0.0004             | 0.0016           | 0.022          | 0.000046       | 0.008               | 0.014                | 0.0018           | 0.00028            | 0.08                | 0.0008             | 0.0019         |
| Mar 2048 | 0.007           | 0.00006           | 0.0004             | 0.0016           | 0.022          | 0.000046       | 0.008               | 0.015                | 0.0018           | 0.00028            | 0.08                | 0.0008             | 0.002          |
| Apr 2048 | 0.007           | 0.000058          | 0.00039            | 0.0015           | 0.022          | 0.000045       | 0.008               | 0.014                | 0.0018           | 0.00027            | 0.08                | 0.0007             | 0.0019         |
| May 2048 | 0.006           | 0.000049          | 0.00033            | 0.0013           | 0.018          | 0.000038       | 0.0064              | 0.012                | 0.0015           | 0.00023            | 0.07                | 0.0006             | 0.0016         |
| Jun 2048 | 0.004           | 0.000039          | 0.00026            | 0.001            | 0.015          | 0.00003        | 0.0051              | 0.01                 | 0.0012           | 0.00017            | 0.06                | 0.0005             | 0.0013         |
| Jul 2048 | 0.0038          | 0.000036          | 0.00025            | 0.001            | 0.014          | 0.000029       | 0.0049              | 0.008                | 0.0011           | 0.00016            | 0.05                | 0.00042            | 0.0012         |
| Aug 2048 | 0.0037          | 0.000036          | 0.00025            | 0.001            | 0.014          | 0.000029       | 0.005               | 0.008                | 0.0011           | 0.00017            | 0.05                | 0.00041            | 0.0012         |
| Sep 2048 | 0.0038          | 0.000037          | 0.00026            | 0.001            | 0.014          | 0.00003        | 0.0051              | 0.008                | 0.0011           | 0.00017            | 0.05                | 0.00042            | 0.0013         |
| Oct 2048 | 0.0041          | 0.00004           | 0.00027            | 0.0011           | 0.015          | 0.000032       | 0.0054              | 0.009                | 0.0012           | 0.00018            | 0.05                | 0.00046            | 0.0013         |
| Nov 2048 | 0.005           | 0.000045          | 0.0003             | 0.0012           | 0.017          | 0.000035       | 0.006               | 0.01                 | 0.0014           | 0.00021            | 0.06                | 0.0005             | 0.0015         |
| Dec 2048 | 0.005           | 0.000051          | 0.00035            | 0.0014           | 0.019          | 0.00004        | 0.0069              | 0.011                | 0.0016           | 0.00024            | 0.07                | 0.0006             | 0.0017         |
| Jan 2049 | 0.006           | 0.000057          | 0.00039            | 0.0015           | 0.021          | 0.000045       | 0.008               | 0.013                | 0.0018           | 0.00027            | 0.08                | 0.0007             | 0.0019         |

**Table 8F3-1 Predicted Slipper Lake Water Quality  
Part B**

| Month    | Boron<br>(mg/L) | Cadmium<br>(mg/L) | Chromium<br>(mg/L) | Copper<br>(mg/L) | Iron<br>(mg/L) | Lead<br>(mg/L) | Manganese<br>(mg/L) | Molybdenum<br>(mg/L) | Nickel<br>(mg/L) | Selenium<br>(mg/L) | Strontium<br>(mg/L) | Vanadium<br>(mg/L) | Zinc<br>(mg/L) |
|----------|-----------------|-------------------|--------------------|------------------|----------------|----------------|---------------------|----------------------|------------------|--------------------|---------------------|--------------------|----------------|
| Feb 2049 | 0.006           | 0.000058          | 0.00039            | 0.0016           | 0.022          | 0.000046       | 0.008               | 0.013                | 0.0018           | 0.00027            | 0.08                | 0.0007             | 0.0019         |
| Mar 2049 | 0.006           | 0.000058          | 0.0004             | 0.0016           | 0.022          | 0.000046       | 0.008               | 0.013                | 0.0018           | 0.00027            | 0.08                | 0.0007             | 0.002          |
| Apr 2049 | 0.006           | 0.000057          | 0.00038            | 0.0015           | 0.021          | 0.000045       | 0.008               | 0.013                | 0.0017           | 0.00027            | 0.08                | 0.0007             | 0.0019         |
| May 2049 | 0.005           | 0.000048          | 0.00032            | 0.0013           | 0.018          | 0.000037       | 0.0064              | 0.011                | 0.0015           | 0.00022            | 0.07                | 0.0006             | 0.0016         |
| Jun 2049 | 0.004           | 0.000038          | 0.00026            | 0.001            | 0.014          | 0.00003        | 0.0051              | 0.009                | 0.0012           | 0.00016            | 0.05                | 0.0005             | 0.0013         |
| Jul 2049 | 0.0035          | 0.000035          | 0.00025            | 0.001            | 0.013          | 0.000029       | 0.0049              | 0.007                | 0.0011           | 0.00016            | 0.04                | 0.0004             | 0.0012         |
| Aug 2049 | 0.0034          | 0.000036          | 0.00025            | 0.001            | 0.013          | 0.000029       | 0.005               | 0.007                | 0.0011           | 0.00016            | 0.04                | 0.00039            | 0.0012         |
| Sep 2049 | 0.0035          | 0.000036          | 0.00025            | 0.001            | 0.013          | 0.00003        | 0.0051              | 0.007                | 0.0011           | 0.00017            | 0.04                | 0.0004             | 0.0013         |
| Oct 2049 | 0.0038          | 0.000039          | 0.00027            | 0.0011           | 0.014          | 0.000031       | 0.0054              | 0.008                | 0.0012           | 0.00018            | 0.05                | 0.00043            | 0.0013         |
| Nov 2049 | 0.0044          | 0.000044          | 0.0003             | 0.0012           | 0.016          | 0.000035       | 0.006               | 0.009                | 0.0014           | 0.0002             | 0.05                | 0.00049            | 0.0015         |
| Dec 2049 | 0.005           | 0.00005           | 0.00034            | 0.0014           | 0.018          | 0.00004        | 0.0069              | 0.011                | 0.0015           | 0.00023            | 0.06                | 0.0006             | 0.0017         |
| Jan 2050 | 0.006           | 0.000056          | 0.00038            | 0.0015           | 0.02           | 0.000045       | 0.008               | 0.012                | 0.0017           | 0.00026            | 0.07                | 0.0006             | 0.0019         |
| Feb 2050 | 0.006           | 0.000057          | 0.00039            | 0.0016           | 0.021          | 0.000046       | 0.008               | 0.012                | 0.0018           | 0.00027            | 0.07                | 0.0007             | 0.002          |
| Mar 2050 | 0.006           | 0.000057          | 0.00039            | 0.0016           | 0.021          | 0.000046       | 0.008               | 0.012                | 0.0018           | 0.00027            | 0.07                | 0.0007             | 0.002          |
| Apr 2050 | 0.006           | 0.000056          | 0.00038            | 0.0015           | 0.02           | 0.000044       | 0.008               | 0.012                | 0.0017           | 0.00026            | 0.07                | 0.0006             | 0.0019         |
| May 2050 | 0.005           | 0.000047          | 0.00032            | 0.0013           | 0.017          | 0.000037       | 0.0064              | 0.01                 | 0.0015           | 0.00022            | 0.06                | 0.0005             | 0.0016         |
| Jun 2050 | 0.0039          | 0.000037          | 0.00025            | 0.001            | 0.014          | 0.000029       | 0.0051              | 0.008                | 0.0012           | 0.00016            | 0.05                | 0.00043            | 0.0013         |
| Jul 2050 | 0.0034          | 0.000035          | 0.00024            | 0.001            | 0.013          | 0.000029       | 0.0049              | 0.007                | 0.0011           | 0.00016            | 0.04                | 0.00038            | 0.0012         |
| Aug 2050 | 0.0033          | 0.000035          | 0.00025            | 0.001            | 0.013          | 0.000029       | 0.005               | 0.007                | 0.0011           | 0.00016            | 0.04                | 0.00037            | 0.0012         |
| Sep 2050 | 0.0034          | 0.000036          | 0.00025            | 0.001            | 0.013          | 0.00003        | 0.0051              | 0.007                | 0.0011           | 0.00017            | 0.04                | 0.00038            | 0.0013         |
| Oct 2050 | 0.0036          | 0.000038          | 0.00027            | 0.0011           | 0.014          | 0.000031       | 0.0054              | 0.008                | 0.0012           | 0.00018            | 0.04                | 0.00041            | 0.0013         |
| Nov 2050 | 0.0041          | 0.000043          | 0.0003             | 0.0012           | 0.016          | 0.000035       | 0.0061              | 0.009                | 0.0013           | 0.0002             | 0.05                | 0.00046            | 0.0015         |
| Dec 2050 | 0.0048          | 0.000049          | 0.00034            | 0.0014           | 0.018          | 0.00004        | 0.0069              | 0.01                 | 0.0015           | 0.00023            | 0.06                | 0.00053            | 0.0017         |
| Jan 2051 | 0.005           | 0.000055          | 0.00038            | 0.0016           | 0.02           | 0.000045       | 0.0077              | 0.011                | 0.0017           | 0.00026            | 0.07                | 0.0006             | 0.0019         |
| Feb 2051 | 0.005           | 0.000056          | 0.00039            | 0.0016           | 0.02           | 0.000045       | 0.008               | 0.012                | 0.0018           | 0.00026            | 0.07                | 0.0006             | 0.002          |
| Mar 2051 | 0.006           | 0.000057          | 0.00039            | 0.0016           | 0.02           | 0.000046       | 0.008               | 0.012                | 0.0018           | 0.00026            | 0.07                | 0.0006             | 0.002          |
| Apr 2051 | 0.005           | 0.000055          | 0.00038            | 0.0015           | 0.02           | 0.000044       | 0.008               | 0.011                | 0.0017           | 0.00026            | 0.07                | 0.0006             | 0.0019         |
| May 2051 | 0.0046          | 0.000046          | 0.00032            | 0.0013           | 0.017          | 0.000037       | 0.0064              | 0.01                 | 0.0015           | 0.00022            | 0.06                | 0.00052            | 0.0016         |
| Jun 2051 | 0.0037          | 0.000037          | 0.00025            | 0.001            | 0.013          | 0.000029       | 0.0051              | 0.008                | 0.0012           | 0.00016            | 0.05                | 0.00041            | 0.0013         |
| Jul 2051 | 0.0032          | 0.000034          | 0.00024            | 0.001            | 0.012          | 0.000028       | 0.0049              | 0.006                | 0.0011           | 0.00015            | 0.04                | 0.00035            | 0.0012         |
| Aug 2051 | 0.0031          | 0.000035          | 0.00025            | 0.001            | 0.013          | 0.000029       | 0.005               | 0.006                | 0.0011           | 0.00016            | 0.04                | 0.00035            | 0.0012         |
| Sep 2051 | 0.0032          | 0.000035          | 0.00025            | 0.001            | 0.013          | 0.000029       | 0.0051              | 0.006                | 0.0011           | 0.00016            | 0.04                | 0.00036            | 0.0013         |
| Oct 2051 | 0.0035          | 0.000038          | 0.00027            | 0.0011           | 0.014          | 0.000031       | 0.0054              | 0.007                | 0.0012           | 0.00017            | 0.04                | 0.00039            | 0.0013         |
| Nov 2051 | 0.0039          | 0.000042          | 0.0003             | 0.0012           | 0.015          | 0.000035       | 0.006               | 0.008                | 0.0013           | 0.0002             | 0.05                | 0.00044            | 0.0015         |
| Dec 2051 | 0.0045          | 0.000048          | 0.00034            | 0.0014           | 0.017          | 0.00004        | 0.0069              | 0.009                | 0.0015           | 0.00023            | 0.06                | 0.00051            | 0.0017         |
| Jan 2052 | 0.0051          | 0.000054          | 0.00038            | 0.0016           | 0.02           | 0.000044       | 0.0077              | 0.011                | 0.0017           | 0.00025            | 0.06                | 0.00057            | 0.0019         |
| Feb 2052 | 0.0052          | 0.000055          | 0.00039            | 0.0016           | 0.02           | 0.000045       | 0.0078              | 0.011                | 0.0017           | 0.00026            | 0.07                | 0.00058            | 0.002          |
| Mar 2052 | 0.0053          | 0.000056          | 0.00039            | 0.0016           | 0.02           | 0.000045       | 0.0079              | 0.011                | 0.0018           | 0.00026            | 0.07                | 0.00059            | 0.002          |
| Apr 2052 | 0.0051          | 0.000054          | 0.00038            | 0.0015           | 0.019          | 0.000044       | 0.0076              | 0.011                | 0.0017           | 0.00025            | 0.06                | 0.00057            | 0.0019         |



**Table 8F3-1 Predicted Slipper Lake Water Quality  
Part B**

| Month    | Boron<br>(mg/L) | Cadmium<br>(mg/L) | Chromium<br>(mg/L) | Copper<br>(mg/L) | Iron<br>(mg/L) | Lead<br>(mg/L) | Manganese<br>(mg/L) | Molybdenum<br>(mg/L) | Nickel<br>(mg/L) | Selenium<br>(mg/L) | Strontium<br>(mg/L) | Vanadium<br>(mg/L) | Zinc<br>(mg/L) |
|----------|-----------------|-------------------|--------------------|------------------|----------------|----------------|---------------------|----------------------|------------------|--------------------|---------------------|--------------------|----------------|
| May 2052 | 0.0044          | 0.000046          | 0.00032            | 0.0013           | 0.016          | 0.000037       | 0.0064              | 0.009                | 0.0014           | 0.00021            | 0.06                | 0.00049            | 0.0016         |
| Jun 2052 | 0.0035          | 0.000036          | 0.00025            | 0.001            | 0.013          | 0.000029       | 0.0051              | 0.007                | 0.0012           | 0.00016            | 0.04                | 0.00039            | 0.0013         |
| Jul 2052 | 0.0031          | 0.000034          | 0.00024            | 0.001            | 0.012          | 0.000028       | 0.0049              | 0.006                | 0.0011           | 0.00015            | 0.04                | 0.00034            | 0.0012         |
| Aug 2052 | 0.003           | 0.000034          | 0.00025            | 0.001            | 0.012          | 0.000029       | 0.005               | 0.006                | 0.0011           | 0.00016            | 0.04                | 0.00033            | 0.0012         |
| Sep 2052 | 0.0031          | 0.000035          | 0.00025            | 0.001            | 0.013          | 0.000029       | 0.0051              | 0.0062               | 0.0011           | 0.00016            | 0.04                | 0.00034            | 0.0013         |
| Oct 2052 | 0.0033          | 0.000037          | 0.00027            | 0.0011           | 0.013          | 0.000031       | 0.0054              | 0.007                | 0.0012           | 0.00017            | 0.04                | 0.00037            | 0.0013         |
| Nov 2052 | 0.0038          | 0.000042          | 0.0003             | 0.0012           | 0.015          | 0.000035       | 0.006               | 0.008                | 0.0013           | 0.0002             | 0.05                | 0.00042            | 0.0015         |
| Dec 2052 | 0.0044          | 0.000048          | 0.00034            | 0.0014           | 0.017          | 0.000039       | 0.0069              | 0.009                | 0.0015           | 0.00022            | 0.05                | 0.00049            | 0.0017         |
| Jan 2053 | 0.0049          | 0.000054          | 0.00038            | 0.0016           | 0.019          | 0.000044       | 0.0077              | 0.01                 | 0.0017           | 0.00025            | 0.06                | 0.00055            | 0.0019         |
| Feb 2053 | 0.005           | 0.000055          | 0.00038            | 0.0016           | 0.02           | 0.000045       | 0.0078              | 0.011                | 0.0017           | 0.00026            | 0.06                | 0.00056            | 0.002          |
| Mar 2053 | 0.0051          | 0.000055          | 0.00039            | 0.0016           | 0.02           | 0.000045       | 0.0079              | 0.011                | 0.0017           | 0.00026            | 0.06                | 0.00057            | 0.002          |
| Apr 2053 | 0.0049          | 0.000053          | 0.00037            | 0.0015           | 0.019          | 0.000044       | 0.0076              | 0.01                 | 0.0017           | 0.00025            | 0.06                | 0.00055            | 0.0019         |
| May 2053 | 0.0042          | 0.000045          | 0.00031            | 0.0013           | 0.016          | 0.000037       | 0.0064              | 0.009                | 0.0014           | 0.00021            | 0.05                | 0.00047            | 0.0016         |
| Jun 2053 | 0.0034          | 0.000036          | 0.00025            | 0.001            | 0.013          | 0.000029       | 0.0051              | 0.007                | 0.0011           | 0.00015            | 0.04                | 0.00037            | 0.0013         |
| Jul 2053 | 0.003           | 0.000034          | 0.00024            | 0.001            | 0.012          | 0.000028       | 0.0049              | 0.006                | 0.0011           | 0.000151           | 0.04                | 0.00033            | 0.0012         |
| Aug 2053 | 0.0029          | 0.000034          | 0.00024            | 0.001            | 0.012          | 0.000029       | 0.005               | 0.0058               | 0.0011           | 0.000156           | 0.04                | 0.00032            | 0.0012         |
| Sep 2053 | 0.003           | 0.000035          | 0.00025            | 0.001            | 0.012          | 0.000029       | 0.0051              | 0.006                | 0.0011           | 0.000161           | 0.04                | 0.00033            | 0.0013         |
| Oct 2053 | 0.0032          | 0.000037          | 0.00026            | 0.0011           | 0.013          | 0.000031       | 0.0054              | 0.0066               | 0.0012           | 0.000172           | 0.04                | 0.00036            | 0.0013         |
| Nov 2053 | 0.0037          | 0.000042          | 0.0003             | 0.0012           | 0.015          | 0.000035       | 0.0061              | 0.0075               | 0.0013           | 0.00019            | 0.05                | 0.00041            | 0.0015         |
| Dec 2053 | 0.0042          | 0.000048          | 0.00034            | 0.0014           | 0.017          | 0.000039       | 0.0069              | 0.009                | 0.0015           | 0.00022            | 0.05                | 0.00047            | 0.0017         |
| Jan 2054 | 0.0048          | 0.000053          | 0.00038            | 0.0016           | 0.019          | 0.000044       | 0.0077              | 0.01                 | 0.0017           | 0.00025            | 0.06                | 0.00053            | 0.0019         |
| Feb 2054 | 0.0049          | 0.000054          | 0.00038            | 0.0016           | 0.019          | 0.000045       | 0.0078              | 0.01                 | 0.0017           | 0.00025            | 0.06                | 0.00054            | 0.002          |
| Mar 2054 | 0.0049          | 0.000055          | 0.00039            | 0.0016           | 0.019          | 0.000045       | 0.0079              | 0.01                 | 0.0017           | 0.00026            | 0.06                | 0.00055            | 0.002          |
| Apr 2054 | 0.0048          | 0.000053          | 0.00037            | 0.0015           | 0.019          | 0.000044       | 0.0076              | 0.01                 | 0.0017           | 0.00025            | 0.06                | 0.00053            | 0.0019         |
| May 2054 | 0.0041          | 0.000045          | 0.00031            | 0.0013           | 0.016          | 0.000036       | 0.0064              | 0.009                | 0.0014           | 0.00021            | 0.05                | 0.00045            | 0.0016         |
| Jun 2054 | 0.0033          | 0.000036          | 0.00025            | 0.001            | 0.013          | 0.000029       | 0.0051              | 0.0069               | 0.0011           | 0.00015            | 0.04                | 0.00036            | 0.0013         |
| Jul 2054 | 0.0029          | 0.000034          | 0.00024            | 0.001            | 0.012          | 0.000028       | 0.0049              | 0.0058               | 0.0011           | 0.00015            | 0.04                | 0.00032            | 0.0012         |
| Aug 2054 | 0.0028          | 0.000034          | 0.00024            | 0.001            | 0.012          | 0.000029       | 0.005               | 0.0056               | 0.0011           | 0.000155           | 0.03                | 0.00032            | 0.0012         |
| Sep 2054 | 0.0029          | 0.000035          | 0.00025            | 0.001            | 0.012          | 0.000029       | 0.0051              | 0.0058               | 0.0011           | 0.00016            | 0.036               | 0.00032            | 0.0013         |
| Oct 2054 | 0.0032          | 0.000037          | 0.00026            | 0.0011           | 0.013          | 0.000031       | 0.0054              | 0.0064               | 0.0012           | 0.000171           | 0.04                | 0.00035            | 0.0013         |
| Nov 2054 | 0.0036          | 0.000042          | 0.0003             | 0.0012           | 0.015          | 0.000035       | 0.0061              | 0.0073               | 0.0013           | 0.000193           | 0.04                | 0.0004             | 0.0015         |
| Dec 2054 | 0.0041          | 0.000048          | 0.00034            | 0.0014           | 0.017          | 0.000039       | 0.0069              | 0.0085               | 0.0015           | 0.00022            | 0.05                | 0.00046            | 0.0017         |
| Jan 2055 | 0.0047          | 0.000053          | 0.00038            | 0.0016           | 0.019          | 0.000044       | 0.0077              | 0.00959              | 0.0017           | 0.00025            | 0.058               | 0.00052            | 0.0019         |
| Feb 2055 | 0.0048          | 0.000054          | 0.00038            | 0.0016           | 0.019          | 0.000045       | 0.0079              | 0.00985              | 0.0017           | 0.00025            | 0.059               | 0.00053            | 0.002          |
| Mar 2055 | 0.0048          | 0.000054          | 0.00038            | 0.0016           | 0.019          | 0.000045       | 0.0079              | 0.00994              | 0.0017           | 0.00025            | 0.06                | 0.00053            | 0.002          |
| Apr 2055 | 0.0047          | 0.000053          | 0.00037            | 0.0015           | 0.019          | 0.000044       | 0.0077              | 0.00967              | 0.0017           | 0.00025            | 0.058               | 0.00052            | 0.0019         |
| May 2055 | 0.00401         | 0.000045          | 0.00031            | 0.0013           | 0.016          | 0.000037       | 0.0064              | 0.00838              | 0.0014           | 0.00021            | 0.05                | 0.00044            | 0.0016         |
| Jun 2055 | 0.0032          | 0.000035          | 0.00025            | 0.001            | 0.013          | 0.000029       | 0.0051              | 0.00669              | 0.0011           | 0.000152           | 0.0401              | 0.000351           | 0.0013         |
| Jul 2055 | 0.00281         | 0.000033          | 0.00024            | 0.001            | 0.012          | 0.000028       | 0.0049              | 0.00559              | 0.00105          | 0.000148           | 0.0342              | 0.000309           | 0.0012         |

**Table 8F3-1      Predicted Slipper Lake Water Quality  
Part B**

| Month    | Boron<br>(mg/L) | Cadmium<br>(mg/L) | Chromium<br>(mg/L) | Copper<br>(mg/L) | Iron<br>(mg/L) | Lead<br>(mg/L) | Manganese<br>(mg/L) | Molybdenum<br>(mg/L) | Nickel<br>(mg/L) | Selenium<br>(mg/L) | Strontium<br>(mg/L) | Vanadium<br>(mg/L) | Zinc<br>(mg/L) |
|----------|-----------------|-------------------|--------------------|------------------|----------------|----------------|---------------------|----------------------|------------------|--------------------|---------------------|--------------------|----------------|
| Aug 2055 | 0.00276         | 0.000034          | 0.00024            | 0.001            | 0.012          | 0.000029       | 0.005               | 0.00541              | 0.0011           | 0.000154           | 0.0333              | 0.000306           | 0.0012         |
| Sep 2055 | 0.00284         | 0.000034          | 0.00025            | 0.001            | 0.012          | 0.000029       | 0.0051              | 0.00562              | 0.0011           | 0.000158           | 0.0344              | 0.000315           | 0.0013         |
| Oct 2055 | 0.00308         | 0.000037          | 0.00026            | 0.0011           | 0.013          | 0.000031       | 0.0054              | 0.00617              | 0.0012           | 0.000169           | 0.0376              | 0.000341           | 0.0013         |
| Nov 2055 | 0.0035          | 0.000041          | 0.00029            | 0.0012           | 0.015          | 0.000034       | 0.006               | 0.00709              | 0.0013           | 0.000191           | 0.043               | 0.00039            | 0.0015         |
| Dec 2055 | 0.004           | 0.000047          | 0.00033            | 0.0014           | 0.017          | 0.000039       | 0.0069              | 0.0082               | 0.0015           | 0.000218           | 0.05                | 0.00045            | 0.0017         |
| Jan 2056 | 0.0045          | 0.000053          | 0.00037            | 0.0016           | 0.019          | 0.000044       | 0.0077              | 0.0093               | 0.0017           | 0.000245           | 0.056               | 0.0005             | 0.0019         |
| Feb 2056 | 0.0047          | 0.000054          | 0.00038            | 0.0016           | 0.019          | 0.000045       | 0.0079              | 0.0096               | 0.0017           | 0.00025            | 0.058               | 0.00052            | 0.002          |
| Mar 2056 | 0.0047          | 0.000054          | 0.00038            | 0.0016           | 0.019          | 0.000045       | 0.0079              | 0.0097               | 0.0017           | 0.000252           | 0.058               | 0.00052            | 0.002          |
| Apr 2056 | 0.0046          | 0.000052          | 0.00037            | 0.0015           | 0.018          | 0.000043       | 0.0076              | 0.0094               | 0.0017           | 0.000244           | 0.057               | 0.0005             | 0.0019         |
| May 2056 | 0.0039          | 0.000044          | 0.00031            | 0.0013           | 0.016          | 0.000036       | 0.0064              | 0.0081               | 0.0014           | 0.000205           | 0.049               | 0.00043            | 0.0016         |
| Jun 2056 | 0.00314         | 0.000035          | 0.00025            | 0.001            | 0.012          | 0.000029       | 0.0051              | 0.00653              | 0.0011           | 0.000151           | 0.0393              | 0.000343           | 0.0013         |
| Jul 2056 | 0.00276         | 0.000033          | 0.00024            | 0.001            | 0.012          | 0.000028       | 0.0049              | 0.0055               | 0.00105          | 0.000148           | 0.0336              | 0.000304           | 0.0012         |
| Aug 2056 | 0.00272         | 0.000034          | 0.00024            | 0.001            | 0.012          | 0.000029       | 0.005               | 0.0053               | 0.00105          | 0.000153           | 0.0328              | 0.000301           | 0.0012         |
| Sep 2056 | 0.0028          | 0.000034          | 0.00025            | 0.001            | 0.012          | 0.000029       | 0.0051              | 0.0055               | 0.0011           | 0.000158           | 0.0339              | 0.00031            | 0.0013         |
| Oct 2056 | 0.003           | 0.000037          | 0.00026            | 0.0011           | 0.013          | 0.000031       | 0.0054              | 0.0061               | 0.0012           | 0.000169           | 0.037               | 0.00034            | 0.0013         |
| Nov 2056 | 0.0035          | 0.000041          | 0.00029            | 0.0012           | 0.014          | 0.000034       | 0.0061              | 0.007                | 0.0013           | 0.00019            | 0.042               | 0.00038            | 0.0015         |
| Dec 2056 | 0.004           | 0.000047          | 0.00033            | 0.0014           | 0.017          | 0.000039       | 0.0069              | 0.0081               | 0.0015           | 0.000217           | 0.049               | 0.00044            | 0.0017         |
| Jan 2057 | 0.0045          | 0.000053          | 0.00037            | 0.0016           | 0.018          | 0.000044       | 0.0077              | 0.0091               | 0.0017           | 0.000244           | 0.055               | 0.00049            | 0.0019         |
| Feb 2057 | 0.0046          | 0.000054          | 0.00038            | 0.0016           | 0.019          | 0.000045       | 0.0079              | 0.0094               | 0.0017           | 0.000249           | 0.057               | 0.00051            | 0.002          |
| Mar 2057 | 0.0046          | 0.000054          | 0.00038            | 0.0016           | 0.019          | 0.000045       | 0.0079              | 0.0095               | 0.0017           | 0.000251           | 0.057               | 0.00051            | 0.002          |
| Apr 2057 | 0.0045          | 0.000052          | 0.00037            | 0.0015           | 0.018          | 0.000043       | 0.0076              | 0.0092               | 0.0017           | 0.000243           | 0.056               | 0.0005             | 0.0019         |
| May 2057 | 0.0038          | 0.000044          | 0.00031            | 0.0013           | 0.015          | 0.000036       | 0.0064              | 0.008                | 0.0014           | 0.000203           | 0.048               | 0.00042            | 0.0016         |
| Jun 2057 | 0.0031          | 0.000035          | 0.00025            | 0.001            | 0.012          | 0.000029       | 0.0051              | 0.0064               | 0.0011           | 0.00015            | 0.039               | 0.00034            | 0.0013         |
| Jul 2057 | 0.0027          | 0.000033          | 0.00024            | 0.001            | 0.012          | 0.000028       | 0.0049              | 0.0054               | 0.001            | 0.000147           | 0.033               | 0.0003             | 0.0012         |
| Aug 2057 | 0.0027          | 0.000034          | 0.00024            | 0.001            | 0.012          | 0.000029       | 0.005               | 0.0052               | 0.0011           | 0.000153           | 0.032               | 0.0003             | 0.0012         |
| Sep 2057 | 0.0028          | 0.000034          | 0.00025            | 0.001            | 0.012          | 0.000029       | 0.0051              | 0.0054               | 0.0011           | 0.000157           | 0.033               | 0.00031            | 0.0013         |
| Oct 2057 | 0.003           | 0.000037          | 0.00026            | 0.0011           | 0.013          | 0.000031       | 0.0054              | 0.006                | 0.0012           | 0.000168           | 0.037               | 0.00033            | 0.0013         |
| Nov 2057 | 0.0034          | 0.000041          | 0.00029            | 0.0012           | 0.014          | 0.000034       | 0.0061              | 0.0069               | 0.0013           | 0.00019            | 0.042               | 0.00038            | 0.0015         |
| Dec 2057 | 0.0039          | 0.000047          | 0.00033            | 0.0014           | 0.016          | 0.000039       | 0.0069              | 0.0079               | 0.0015           | 0.00022            | 0.048               | 0.00043            | 0.0017         |
| Jan 2058 | 0.0044          | 0.000052          | 0.00037            | 0.0016           | 0.018          | 0.000044       | 0.0077              | 0.009                | 0.0017           | 0.00024            | 0.054               | 0.00049            | 0.0019         |
| Feb 2058 | 0.0045          | 0.000053          | 0.00038            | 0.0016           | 0.019          | 0.000045       | 0.0079              | 0.009                | 0.0017           | 0.00025            | 0.056               | 0.0005             | 0.002          |
| Mar 2058 | 0.0046          | 0.000054          | 0.00038            | 0.0016           | 0.019          | 0.000045       | 0.0079              | 0.009                | 0.0017           | 0.00025            | 0.056               | 0.0005             | 0.002          |
| Apr 2058 | 0.0044          | 0.000052          | 0.00037            | 0.0015           | 0.018          | 0.000043       | 0.0076              | 0.009                | 0.0017           | 0.00024            | 0.055               | 0.00049            | 0.0019         |
| May 2058 | 0.0038          | 0.000044          | 0.00031            | 0.0013           | 0.015          | 0.000036       | 0.0064              | 0.008                | 0.0014           | 0.0002             | 0.047               | 0.00042            | 0.0016         |
| Jun 2058 | 0.003           | 0.000035          | 0.00025            | 0.001            | 0.012          | 0.000029       | 0.0051              | 0.006                | 0.0011           | 0.00015            | 0.038               | 0.00033            | 0.0013         |
| Jul 2058 | 0.0027          | 0.000033          | 0.00024            | 0.001            | 0.012          | 0.000028       | 0.0049              | 0.005                | 0.0011           | 0.00015            | 0.033               | 0.0003             | 0.0012         |
| Aug 2058 | 0.0027          | 0.000034          | 0.00024            | 0.001            | 0.012          | 0.000029       | 0.005               | 0.005                | 0.0011           | 0.00015            | 0.032               | 0.00029            | 0.0012         |
| Sep 2058 | 0.0027          | 0.000034          | 0.00025            | 0.001            | 0.012          | 0.000029       | 0.0051              | 0.005                | 0.0011           | 0.00016            | 0.033               | 0.0003             | 0.0013         |
| Oct 2058 | 0.003           | 0.000037          | 0.00026            | 0.0011           | 0.013          | 0.000031       | 0.0054              | 0.006                | 0.0012           | 0.00017            | 0.036               | 0.00033            | 0.0013         |





Table 8F3-1      Predicted Slipper Lake Water Quality  
Part B

| Month    | Boron<br>(mg/L) | Cadmium<br>(mg/L) | Chromium<br>(mg/L) | Copper<br>(mg/L) | Iron<br>(mg/L) | Lead<br>(mg/L) | Manganese<br>(mg/L) | Molybdenum<br>(mg/L) | Nickel<br>(mg/L) | Selenium<br>(mg/L) | Strontium<br>(mg/L) | Vanadium<br>(mg/L) | Zinc<br>(mg/L) |
|----------|-----------------|-------------------|--------------------|------------------|----------------|----------------|---------------------|----------------------|------------------|--------------------|---------------------|--------------------|----------------|
| Nov 2058 | 0.0034          | 0.000041          | 0.00029            | 0.0012           | 0.014          | 0.000034       | 0.0061              | 0.007                | 0.0013           | 0.00019            | 0.041               | 0.00037            | 0.0015         |
| Dec 2058 | 0.0039          | 0.000047          | 0.00033            | 0.0014           | 0.016          | 0.000039       | 0.0069              | 0.008                | 0.0015           | 0.00022            | 0.048               | 0.00043            | 0.0017         |
| Jan 2059 | 0.0044          | 0.000052          | 0.00037            | 0.0016           | 0.018          | 0.000044       | 0.0077              | 0.009                | 0.0017           | 0.00024            | 0.054               | 0.00048            | 0.0019         |
| Feb 2059 | 0.0045          | 0.000053          | 0.00038            | 0.0016           | 0.019          | 0.000045       | 0.0079              | 0.009                | 0.0017           | 0.00025            | 0.055               | 0.00049            | 0.002          |
| Mar 2059 | 0.0045          | 0.000054          | 0.00038            | 0.0016           | 0.019          | 0.000045       | 0.0079              | 0.009                | 0.0017           | 0.00025            | 0.056               | 0.0005             | 0.002          |
| Apr 2059 | 0.0044          | 0.000052          | 0.00037            | 0.0015           | 0.018          | 0.000043       | 0.0077              | 0.009                | 0.0017           | 0.00024            | 0.054               | 0.00048            | 0.0019         |
| May 2059 | 0.0038          | 0.000044          | 0.00031            | 0.0013           | 0.015          | 0.000036       | 0.0065              | 0.008                | 0.0014           | 0.0002             | 0.047               | 0.00041            | 0.0016         |
| Jun 2059 | 0.003           | 0.000035          | 0.00025            | 0.001            | 0.012          | 0.000029       | 0.0051              | 0.006                | 0.0011           | 0.00015            | 0.038               | 0.00033            | 0.0013         |
| Jul 2059 | 0.0027          | 0.000033          | 0.00024            | 0.001            | 0.012          | 0.000028       | 0.0049              | 0.005                | 0.001            | 0.00015            | 0.032               | 0.00029            | 0.0012         |
| Aug 2059 | 0.0026          | 0.000033          | 0.00024            | 0.001            | 0.012          | 0.000028       | 0.005               | 0.005                | 0.001            | 0.00015            | 0.031               | 0.00029            | 0.0012         |
| Sep 2059 | 0.0027          | 0.000034          | 0.00025            | 0.001            | 0.012          | 0.000029       | 0.0051              | 0.005                | 0.0011           | 0.00016            | 0.033               | 0.0003             | 0.0013         |
| Oct 2059 | 0.0029          | 0.000036          | 0.00026            | 0.0011           | 0.013          | 0.000031       | 0.0054              | 0.006                | 0.0012           | 0.00017            | 0.036               | 0.00032            | 0.0013         |
| Nov 2059 | 0.0033          | 0.000041          | 0.00029            | 0.0012           | 0.014          | 0.000034       | 0.0061              | 0.007                | 0.0013           | 0.00019            | 0.041               | 0.00037            | 0.0015         |
| Dec 2059 | 0.0038          | 0.000046          | 0.00033            | 0.0014           | 0.016          | 0.000039       | 0.0069              | 0.008                | 0.0015           | 0.00022            | 0.047               | 0.00042            | 0.0017         |
| Jan 2060 | 0.0043          | 0.000052          | 0.00037            | 0.0016           | 0.018          | 0.000044       | 0.0077              | 0.009                | 0.0017           | 0.00024            | 0.053               | 0.00048            | 0.0019         |

Source: ERM Rescan Environmental Services Ltd. 2014. Water Balance and Water Quality Modelling Related to the Jay Project. Submitted to Dominion Diamond Ekati Corporation, Yellowknife, NWT.  
mg/L = milligrams per litre.