

Soils

| EPA ID | Frequency Required | Under EPL | Monitoring Point Name | Day | Month | Year | Soil Depth mm | Phosphorus P mg/kg | Nitrate Nitrogen NO3 mg/kg | Ammonia Nitrogen NH3 mg/kg | pH | Conductivity EC dS/m | Organic Matter OM | Calcium Ca cmol+/Kg | Magnesium Mg cmol+/Kg | Potassium K cmol+/Kg | Sodium Na cmol+/Kg | Aluminium Al cmol+/Kg | Cation Exchange Capacity CEC cmol+/Kg | Calcium/Magnesium Ratio Ca/Mg | Total Carbon TC % | Total Nitrogen TN % | Carbon/Nitrogen Ratio C/N | Chloride Cl mg/kg | Total Organic Carbon TOC % | Dry Bulk Density g/cm3 | Dry Bulk Density kg/m3 |
|--------|--------------------|-----------|------------------------|-----|--------|------|---------------|--------------------|----------------------------|----------------------------|-------|----------------------|-------------------|---------------------|-----------------------|----------------------|--------------------|-----------------------|---------------------------------------|-------------------------------|-------------------|---------------------|---------------------------|-------------------|----------------------------|------------------------|------------------------|
| 22 | Annual | | Top House Top Soil | 7 | August | 2014 | TOP 0-300 | 12.000 | 7.400 | 5.400 | 7.060 | 0.096 | 3.000 | 35.300 | 24.430 | 0.280 | 1.570 | 0.030 | 61.610 | 1.400 | 1.740 | 0.120 | 14.600 | 56.000 | 1.700 | | |
| 22 | Annual | | Top House Sub Soil | 7 | August | 2014 | SUB 300-900 | 2.300 | 5.300 | 4.600 | 7.810 | 0.123 | 2.000 | 37.250 | 25.410 | 0.190 | 1.630 | 0.030 | 64.500 | 1.500 | 1.140 | 0.050 | 20.900 | 94.000 | 1.120 | | |
| 19 | Annual | | Oat Paddock Top Soil | 7 | August | 2014 | TOP 0-300 | 39.700 | 23.800 | 8.000 | 6.090 | 0.105 | 3.400 | 29.790 | 24.610 | 0.250 | 1.770 | 0.040 | 56.620 | 1.200 | 1.960 | 0.150 | 12.900 | 40.000 | 1.880 | | |
| 19 | Annual | | Oat Paddock Sub Soil | 7 | August | 2014 | SUB 300-900 | 4.300 | 34.000 | 2.600 | 7.450 | 0.239 | 1.600 | 35.610 | 27.670 | 0.140 | 1.980 | 0.030 | 65.420 | 1.300 | 0.940 | 0.080 | 12.300 | 43.000 | 0.930 | | |
| 18 | Annual | | Newtons Top Soil | 7 | August | 2014 | TOP 0-300 | 16.640 | 10.000 | 4.800 | 6.340 | 0.063 | 2.600 | 31.710 | 21.370 | 0.680 | 1.380 | 0.030 | 55.260 | 1.500 | 1.510 | 0.120 | 13.000 | 34.000 | 1.470 | | |
| 18 | Annual | | Newtons Sub Soil | 7 | August | 2014 | SUB 300-900 | 2.500 | 3.700 | 3.000 | 7.620 | 0.065 | 1.200 | 37.970 | 24.530 | 0.280 | 1.520 | 0.030 | 64.320 | 1.500 | 0.690 | 0.050 | 14.400 | 29.000 | 0.690 | | |
| 10 | Annual | | Muggletons Top Soil | 7 | August | 2014 | TOP 0-300 | 24.080 | 44.480 | 10.200 | 5.970 | 0.141 | 3.417 | 33.940 | 21.570 | 0.330 | 1.290 | 0.040 | 57.990 | 1.600 | 1.950 | 0.150 | 12.800 | 36.000 | 1.920 | | |
| 10 | Annual | | Muggletons Sub Soil | 7 | August | 2014 | SUB 300-900 | 2.300 | 22.400 | 2.600 | 7.580 | 0.105 | 1.200 | 42.620 | 25.170 | 0.330 | 1.610 | 0.030 | 69.770 | 1.700 | 0.690 | 0.050 | 13.900 | 38.000 | 0.690 | | |
| 16 | Annual | | Lucerne Top Soil | 7 | August | 2014 | TOP 0-300 | 0.300 | 35.900 | 25.700 | 5.320 | 0.111 | 4.000 | 10.670 | 7.460 | 0.350 | 0.610 | 0.090 | 19.480 | 1.400 | 2.310 | 0.170 | 13.300 | 57.000 | 2.310 | | |
| 16 | Annual | | Lucerne Sub Soil | 7 | August | 2014 | SUB 300-900 | 1.300 | 9.600 | 2.900 | 7.190 | 0.063 | 1.200 | 12.420 | 12.400 | 0.190 | 1.170 | 0.040 | 26.230 | 1.000 | 0.680 | 0.040 | 16.700 | 143.000 | 0.640 | | |
| 12 | Annual | | Hill Top Top Soil | 7 | August | 2014 | TOP 0-300 | 19.200 | 27.800 | 9.200 | 6.410 | 0.153 | 2.500 | 31.750 | 23.960 | 0.370 | 3.130 | 0.030 | 59.340 | 1.300 | 1.450 | 0.110 | 13.700 | 87.000 | 1.390 | | |
| 12 | Annual | | Hill Top Sub Soil | 7 | August | 2014 | SUB 300-900 | 5.900 | 11.900 | 3.400 | 7.660 | 0.197 | 1.800 | 33.390 | 26.850 | 0.250 | 3.740 | 0.030 | 64.260 | 1.200 | 1.040 | 0.060 | 16.100 | 160.000 | 0.950 | | |
| 11 | Annual | | Hayshed Top Soil | 7 | August | 2014 | TOP 0-300 | 24.900 | 56.900 | 6.700 | 6.180 | 0.176 | 3.800 | 35.750 | 23.560 | 0.740 | 1.520 | 0.030 | 61.700 | 1.500 | 2.150 | 0.160 | 13.300 | 39.000 | 2.060 | | |
| 11 | Annual | | Hayshed Sub Soil | 7 | August | 2014 | SUB 300-900 | 11.100 | 14.800 | 3.300 | 7.360 | 0.157 | 1.600 | 39.740 | 24.830 | 0.260 | 1.850 | 0.020 | 66.710 | 1.600 | 0.900 | 0.070 | 13.700 | 111.000 | 0.890 | | |
| 17 | Annual | | Gum Flat Road Top Soil | 7 | August | 2014 | TOP 0-300 | 21.300 | 64.900 | 23.800 | 5.310 | 0.163 | 4.400 | 11.610 | 11.760 | 0.920 | 1.150 | 0.130 | 25.930 | 1.000 | 2.490 | 0.200 | 12.600 | 61.000 | 2.480 | | |
| 17 | Annual | | Gum Flat Road Sub Soil | 7 | August | 2014 | SUB 300-900 | 1.700 | 45.700 | 2.600 | 7.110 | 0.210 | 1.300 | 18.310 | 18.560 | 0.310 | 1.900 | 0.030 | 39.110 | 1.000 | 0.770 | 0.050 | 14.000 | 92.000 | 0.720 | | |
| 17 | Annual | | Gum Flat Flat Top Soil | 7 | August | 2014 | TOP 0-300 | 6.600 | 38.800 | 3.300 | 5.810 | 0.120 | 4.000 | 15.020 | 15.920 | 0.960 | 0.910 | 0.040 | 32.920 | 0.900 | 2.300 | 0.160 | 14.700 | 37.000 | 2.150 | | |
| 17 | Annual | | Gum Flat Flat Sub Soil | 7 | August | 2014 | SUB 300-900 | 1.500 | 22.800 | 2.600 | 6.610 | 0.094 | 1.700 | 15.100 | 18.940 | 0.380 | 1.230 | 0.030 | 35.680 | 0.800 | 1.000 | 0.070 | 13.500 | 72.000 | 1.000 | | |
| 15 | Annual | | Cultivation Top Soil | 7 | August | 2014 | TOP 0-300 | 23.900 | 45.700 | 7.800 | 6.570 | 0.179 | 2.800 | 30.490 | 20.550 | 0.280 | 2.680 | 0.030 | 54.030 | 1.500 | 1.580 | 0.120 | 13.000 | 58.000 | 1.560 | | |
| 15 | Annual | | Cultivation Sub Soil | 7 | August | 2014 | SUB 300-900 | 3.900 | 22.800 | 2.500 | 7.650 | 0.142 | 1.600 | 33.830 | 21.200 | 0.170 | 2.950 | 0.030 | 58.180 | 1.600 | 0.920 | 0.070 | 13.300 | 62.000 | 0.920 | | |
| 20 | Annual | | Back Grass Top Soil | 7 | August | 2014 | TOP 0-300 | 27.400 | 73.300 | 96.200 | 5.360 | 0.205 | 5.100 | 12.350 | 6.820 | 1.270 | 0.850 | 0.070 | 21.610 | 1.800 | 2.920 | 0.240 | 12.000 | 49.000 | 0.830 | | |
| 20 | Annual | | Back Grass Sub Soil | 7 | August | 2014 | SUB 300-900 | 1.700 | 46.100 | 2.600 | 6.410 | 0.133 | 1.300 | 13.800 | 8.730 | 0.370 | 0.740 | 0.040 | 23.690 | 1.600 | 0.870 | 0.070 | 13.300 | 113.000 | 0.830 | | |
| 21 | Annual | | Back Corner Top Soil | 7 | August | 2014 | TOP 0-300 | 12.900 | 27.400 | 18.100 | 6.350 | 0.118 | 3.100 | 27.480 | 23.550 | 0.310 | 1.800 | 0.030 | 53.270 | 1.200 | 1.780 | 0.140 | 12.800 | 62.000 | 1.770 | | |
| 21 | Annual | | Back Corner Sub Soil | 7 | August | 2014 | SUB 300-900 | 1.700 | 14.600 | 1.900 | 7.340 | 0.096 | 1.400 | 31.010 | 25.850 | 0.130 | 1.460 | 0.030 | 58.480 | 1.200 | 0.790 | 0.050 | 15.500 | 52.000 | 0.780 | | |
| 14 | Annual | | 3 Dams Top Soil | 7 | August | 2014 | TOP 0-300 | 45.500 | 44.100 | 32.200 | 5.840 | 0.161 | 6.100 | 30.070 | 18.680 | 0.470 | 1.740 | 0.030 | 50.920 | 1.600 | 3.470 | 0.240 | 14.700 | 52.000 | 3.010 | | |
| 14 | Annual | | 3 Dams Sub Soil | 7 | August | 2014 | SUB 300-900 | 4.200 | 7.200 | 4.200 | 7.160 | 0.095 | 2.200 | 35.730 | 21.530 | 0.180 | 1.470 | 0.020 | 59.200 | 1.700 | 1.250 | 0.080 | 15.400 | 50.000 | 1.060 | | |
| 22 | Annual | | Top House Top Soil | 6 | August | 2015 | TOP 0-300 | 12.600 | 2.700 | | 6.980 | 0.084 | 2.800 | 33.860 | 26.330 | 0.370 | 1.860 | 0.000 | 62.430 | 1.300 | 1.600 | 0.130 | 12.100 | 76.000 | 1.490 | 1.110 | 1110.000 |
| 22 | Annual | | Top House Sub Soil | 6 | August | 2015 | SUB 300-900 | 0.200 | 1.900 | | 7.670 | 0.272 | 1.400 | 44.020 | 30.080 | 0.230 | 2.180 | 0.010 | 76.520 | 1.500 | 0.790 | 0.070 | 11.500 | 217.000 | 0.650 | 1.070 | 1070.000 |
| 19 | Annual | | Oat Paddock Top Soil | 6 | August | 2015 | TOP 0-300 | 23.500 | 4.400 | | 7.290 | 0.076 | 3.300 | 26.100 | 19.790 | 0.250 | 1.540 | 0.010 | 47.680 | 1.300 | 1.880 | 0.140 | 13.700 | 56.000 | 1.790 | 1.180 | 1180.000 |
| 19 | Annual | | Oat Paddock Sub Soil | 6 | August | 2015 | SUB 300-900 | 1.200 | 12.600 | | 7.660 | 0.152 | 2.200 | 31.370 | 26.800 | 0.280 | 2.050 | 0.010 | 60.510 | 1.200 | 1.260 | 0.090 | 14.200 | 76.000 | 1.170 | 1.100 | 1100.000 |
| 18 | Annual | | Newtons Top Soil | 6 | August | 2015 | TOP 0-300 | 19.200 | 2.700 | | 6.870 | 0.067 | 3.400 | 33.860 | 25.240 | 1.160 | 1.290 | 0.010 | 61.560 | 1.300 | 1.960 | 0.170 | 11.800 | 48.000 | 1.900 | 1.220 | 1220.000 |
| 18 | Annual | | Newtons Sub Soil | 6 | August | 2015 | SUB 300-900 | 1.500 | 1.900 | | 7.520 | 0.093 | 1.500 | 37.700 | 25.340 | 0.420 | 1.570 | 0.010 | 65.050 | 1.500 | 0.830 | 0.070 | 11.300 | 80.000 | 0.780 | 1.060 | 1060.000 |
| 10 | Annual | | Muggletons Top Soil | 6 | August | 2015 | TOP 0-300 | 5.700 | 17.100 | | 6.790 | 0.072 | 3.100 | 35.910 | 23.130 | 1.020 | 1.200 | 0.020 | 61.280 | 1.600 | 1.750 | 0.140 | 12.500 | 59.000 | 1.650 | 1.150 | 1150.000 |
| 10 | Annual | | Muggletons Sub Soil | 6 | August | 2015 | SUB 300-900 | 0.600 | 5.300 | | 7.190 | 0.119 | 1.900 | 40.620 | 25.410 | 0.410 | 1.640 | 0.010 | 68.080 | 1.600 | 1.070 | 0.090 | 11.400 | 74.000 | 1.020 | 1.120 | 1120.000 |
| 16 | Annual | | Lucerne Top Soil | 6 | August | 2015 | TOP 0-300 | 2.800 | 10.000 | | 6.220 | 0.068 | 4.300 | 10.040 | 6.920 | 0.370 | 0.590 | 0.500 | 18.800 | 1.500 | 2.470 | 0.160 | 15.100 | 54.000 | 2.380 | 1.230 | 1230.000 |
| 16 | Annual | | Lucerne Sub Soil | 6 | August | 2015 | SUB 300-900 | 0.300 | 5.100 | | 6.640 | 0.069 | 1.700 | 11.690 | 11.060 | 0.250 | 1.010 | 0.010 | 24.030 | 1.100 | 0.990 | 0.080 | 12.700 | 82.000 | 0.920 | 1.380 | 1380.000 |
| 12 | Annual | | Hill Top Top Soil | 6 | August | 2015 | TOP 0-300 | 55.300 | 2.800 | | 6.090 | 0.086 | 3.300 | 25.110 | 19.600 | 0.650 | 2.240 | 0.390 | 48.410 | 1.300 | 1.960 | 0.150 | 12.200 | 140.000 | 1.830 | 1.160 | 1160.000 |
| 12 | Annual | | Hill Top Sub Soil | 6 | August | 2015 | SUB 300-900 | 5.200 | 13.200 | | 7.110 | 0.168 | 1.500 | 30.560 | 24.740 | 0.300 | 3.540 | 0.010 | 59.140 | 1.200 | 0.860 | 0.070 | 11.700 | 308.000 | 0.730 | 1.150 | 1150.000 |
| 11 | Annual | | Hayshed Top Soil | 6 | August | 2015 | TOP 0-300 | 28.300 | 8.300 | | 6.730 | 0.070 | 3.100 | 30.250 | 21.990 | 1.190 | 1.420 | 0.040 | 54.940 | 1.400 | 1.770 | 0.140 | 12.500 | 41.000 | 1.760 | 1.190 | 1190.000 |
| 11 | Annual | | Hayshed Sub Soil | 6 | August | 2015 | SUB 300-900 | 1.600 | 3.100 | | 7.710 | 0.073 | 1.000 | 32.140 | 21.870 | 0.310 | 1.600 | 0.010 | 55.920 | 1.500 | 0.570 | 0.060 | 9.700 | 48.000 | 0.520 | 1.240 | 1240.000 |
| 17 | Annual | | Gum Flat Road Top Soil | 6 | August | 2015 | TOP 0-300 | 7.700 | 17.500 | | 6.250 | 0.050 | 2.200 | | | | | | | | | | | | | | |