

Hutt Global consent - Groynes, tonnage and location

Construction of rip-rap groynes

| Year | Amount (tonnes) | Number | Location | Cross section | Comment |
|---------------------|-----------------|-----------|------------------------|---------------|-----------|
| 1999/2000 | 3000 | 11 | Manor Park Golf Course | | Construct |
| 2000/2001 | | Nil | | | |
| 2001/2002 | 530 | 2 | Avalon | | Construct |
| | 3500 | 4 | Owen Street | | Construct |
| 2002/2003 | | Nil | | | |
| 2003/2004 | | Nil | | | |
| 2004/2005 | 361 | 1 | Belmont | | Construct |
| 2005/2006 | 361 | 1 | Charles Street | 730 to 740 | Construct |
| | 260 | 2 | Manor Park | 1140 | Construct |
| 2006/2007 | 1575 | 4 | Avalon | 740 to 770 | Construct |
| | 230 | 1 | Maoribank | 2210 to 2220 | Construct |
| 2007/2008 | 300 | 3 | Whakatiki | | Construct |
| | 300 | 1 | Maoribank | 2210 | Construct |
| 2008/2009 | 205 | 1 | Moonshine | 1750 | Construct |
| | 308 | 1 | Maoribank | 2200 to 2210 | Construct |
| | 300 | 2 | Whakatiki | 1880 to 1870 | Construct |
| 2009/2010 | 300 | 1 | Whakatiki | 1880 to 1890 | Construct |
| | 300 | 1 | Maoribank | 2200 to 2210 | Construct |
| 2010/2011 | 550 | 2 | Manor Park | 1120 to 1140 | Construct |
| 2011/2012 | 375 | 1 | Manor Park | 1120 to 1130 | Construct |
| | 3083 | 5 | Bridge Road | 2520 to 2550 | Construct |
| 2012/2013 | 278 | 1 | Manor Park | 1130 | Construct |
| | | | | | Construct |
| TOTAL | 16,116 | 45 | | | |
| Average/year | 1,151 | 3 | | | |

Maintenance of rip-rap groynes

| Year | Amount (tonnes) | Location | Cross section | Comment |
|---------------------|-----------------|---------------|---------------|--------------|
| 1999/2000 | | | | |
| 2000/2001 | 10 | Maoribank | | Flood damage |
| | 315 | Nash Street | | Flood damage |
| | 50 | Manor Park | | Flood damage |
| 2001/2002 | Nil | | | |
| 2002/2003 | 57 | Manor Park | | Flood damage |
| 2003/2004 | 30 | Avalon | 770 | Flood damage |
| | 292 | Manor Park | | Top up |
| 2004/2005 | 241 | Avalon | | Top up |
| | 100 | Manor Park | | Top up |
| 2005/2006 | 342 | Avalon | 760 to 780 | Flood damage |
| | 100 | Nash Street | 960 to 980 | Flood damage |
| | 101 | Manor Park | 1280 to 1320 | Flood damage |
| 2006/2007 | 731 | Manor Park | 1260 to 1320 | Top up |
| | 1261 | Avalon | | Top up |
| | 196 | Elbow bend | | Top up |
| 2007/2008 | Nil | | | |
| 2008/2009 | 410 | Avalon | | Top up |
| | 195 | Manor Park | | Top up |
| | 100 | Whakatiki | | Top up |
| 2009/2010 | 100 | Avalon | | Top up |
| | 50 | Nash Street | | Top up |
| | 20 | Manor Park | | Top up |
| | 200 | Carter Street | 740 | Top up |
| 2010/2011 | 90 | Avalon | | Top up |
| | 50 | Manor Park | | Top up |
| | 0 | Avalon | | Top up |
| | 120 | Whakatiki | | Top up |
| | 20 | Nash Street | | Top up |
| | 90 | Pomare | | Top up |
| | 50 | Avalon | | Top up |
| 2011/2012 | 175 | Carter Street | | Top up |
| 2012/2013 | 105 | Manor Park | | Top up |
| | 120 | Manor Park | | Top up |
| | 295 | Carter Street | 730 to 740 | Top up |
| TOTAL | 6,016 | | | |
| Average/year | 430 | | | |

Hutt Global consent - Rock riprap lengths, tonnage and location

Construction of rip-rap

| Year | Amount (tonnes) | Length (m) | Location | Cross section | Comment |
|---------------------|-----------------|--------------|-----------------------------|---------------|-----------|
| 1999/2000 | 1400 | 120 | Memorial Park | | Construct |
| | 600 | 160 | Wellington Golf Course | | Toe rock |
| 2000/2001 | 940 | 120 | Black Creek | | Construct |
| 2001/2002 | 620 | 40 | Avalon | | Construct |
| | 575 | 170 | Maoribank | | Construct |
| | 968 | 60 | Stokes Valley Training Bank | | Construct |
| 2002/2003 | 980 | 60 | Maoribank | 2240 to 2260 | Extend |
| | 750 | 50 | Maoribank | 2220 to 2230 | Extend |
| | 900 | 75 | Moonshine Park | 1660 to 1670 | Construct |
| 2003/2004 | 400 | 30 | Belmont | 840 | Extend |
| | 795 | 68 | Owen Street | 800 to 820 | Construct |
| | 1050 | 70 | Maoribank | 2210 to 2220 | Extend |
| 2004/2005 | 691 | 30 | Belmont upper | 920 to 930 | Extend |
| 2005/2006 | 810 | 65 | Avalon | 770 to 780 | Construct |
| | 150 | 30 | Croft Grove | 90 to 100 | Construct |
| | 750 | 65 | Memorial car park | 1690 to 1700 | Extend |
| | 1070 | 70 | Bluff | 1520 to 1530 | Extend |
| | 480 | 40 | Avalon | 780 to 790 | Extend |
| | 480 | 40 | Bluff | 1520 | Extend |
| 2006/2007 | 1700 | 255 | Elbow Bend | 2320 to 2380 | Toe Rock |
| | 480 | 30 | Wellington Golf Course | 1570 | Extend |
| 2007/2008 | | | | | |
| 2008/2009 | | | | | |
| 2009/2010 | 206 | 20 | Avalon | 780 to 790 | Extend |
| 2010/2011 | 100 | 10 | Avalon | | Extend |
| | 1250 | 25 | Maoribank | 2290 to 2310 | Extend |
| 2011/2012 | none | | | | |
| 2012/2013 | | | | | |
| TOTAL | 18,145 | 1,703 | | | |
| Average/year | 1,296 | 122 | | | |

Maintenance of rip-rap

| Year | Amount (tonnes) | Length (m) | Location | Cross section | Comment |
|---------------------|-----------------|------------|-----------------------------|---------------|--------------|
| 1999/2000 | | | | | |
| 2000/2001 | 200 | | Marsden bend | | Repair |
| 2001/2002 | 360 | | Belmont | | Flood damage |
| | 85 | | Owen Street | | Flood damage |
| | 100 | | Black Creek | | Flood damage |
| | 100 | | Croft Grove | | Flood damage |
| 2002/2003 | 970 | | Mary Hurse Grove | | Flood damage |
| | 140 | | Memorial Park | | Flood damage |
| | 97 | | Sladden Park | | Flood damage |
| 2003/2004 | 659 | | Sharon's | | Top up |
| | 816 | | Belmont lower | | Top up |
| | 420 | | Marsden bend | | Top up |
| 2004/2005 | | | | | |
| 2005/2006 | 145 | | Marsden bend | | Top up |
| | 100 | 200 | Stokes Valley training bank | 1170 to 1190 | Top up |
| | 100 | 100 | Moonshine Park | 1740 to 1750 | Flood damage |
| | 100 | 550 | Elbow bend | 2320 to 2390 | Flood damage |
| | 60 | 130 | Wellington Golf Course | 1570 to 1580 | Flood damage |
| 2006/2007 | 60 | | Maoribank | | top up |
| | 130 | | Various | | Repair |
| 2007/2008 | 200 | | Croft Grove | | Repair |
| 2008/2009 | 200 | | Croft Grove | | Repair |
| | 91 | | Marsden | | Repair |
| | 100 | | Stokes Valley training bank | | Top up |
| | 80 | | Bluff | | Top up |
| | 230 | | Memorial Park | | Top up |
| | 20 | | Moonshine | | Top up |
| | 40 | | Maoribank | | Top up |
| 2009/2010 | 50 | | Marsden bend | | Top up |
| | 150 | | Avalon | | Top up |
| | 75 | | Nash street | | Top up |
| | 85 | | Bluff | | Top up |
| | 150 | | Memorial Park | | Top up |
| | 50 | | Gibbons Street | | Top up |
| | 25 | | Moonshine | | Top up |
| | 170 | | Carter Street | 720 | Top up |
| | 75 | | Maoribank | | Top up |
| 2010/2011 | 150 | | Marsden | | Top up |
| | 30 | | Avalon | | Top up |
| | 110 | | Avalon | | Top up |
| | 120 | | Marsden bend | | Top up |
| 2011/2012 | 25 | | Moonshine | | Top up |
| | 95 | | Memorial | | Top up |
| | 146 | | Gibbons Street | | Top up |
| | 100 | | Wellington Golf Course | | Top up |
| | 25 | | Lower Bluff | | Top up |
| | 120 | | Barber Grove | | Top up |
| 2012/2013 | 58 | | Ava Bridge | | Top up |
| | 195 | | Carter Street | 720 to 730 | Top up |
| | 167 | | Memorial car park | 1650 to 1680 | Top up |
| | 50 | | Marsden Bend | 340 to 360 | Top up |
| | 124 | | Memorial car park | 1650 to 1670 | Top up |
| | 52 | | Gibbons Street | 2010 to 2030 | Top up |
| TOTAL | 8,000 | 980 | | | |
| Average/year | 571 | 70 | | | |

Hutt Global consent - Debris fence

Construction/maintenance/removal of debris fence

| Year | Quantum | Number | Location | Cross section | Comment |
|--------|----------------|-----------------|---------------------|---------------|-----------|
| Nov-98 | 4 man days | | Below Memorial Park | | Construct |
| | 56 man days | | | | |
| Sep-99 | 12 days digger | | Manor Park | | Construct |
| | 4 man days | | | | |
| Oct-99 | 1 day digger | | River - not noted | | Remove |
| Feb-00 | 2 man days | | Bridge Road | | Remove |
| | 18 man days | | | | |
| May-00 | 3 days digger | 6 | Avalon | | Construct |
| Jul-00 | 7 man days | 3 | Avalon | | Construct |
| | 2 man days | | | | |
| Dec-00 | 1 day digger | | Avalon | | Remove |
| Mar-05 | | | Avalon | | Construct |
| Apr-05 | | 2 | River Road | | Remove |
| May-05 | | 2 | Memorial Car Park | | Remove |
| Jun-05 | | | Avalon | | Repair |
| Dec-06 | | | Fraser Park | | Remove |
| | | Total | | | |
| | | 13 | | | |
| | | Ave/year | | | |
| | | 1 | | | |

Construction/maintenance/removal of Timber groyne

| Year | Quantum | Number | Location | Cross section | Comment |
|--------|---------|--------|----------|---------------|---------|
| Feb-02 | | | Ava | | Remove |

Hutt Global consent - Willow and Native numbers

| Year | Pole | Rooted stock | Wands | Natives |
|-----------------|---------------|---------------|--------------|---------------|
| 1999/2000 | 2,210 | 6,000 | 240 | 1,470 |
| 2000/2001 | 1,258 | 6,000 | | 2,000 |
| 2001/2002 | 673 | 4,000 | | 1,720 |
| 2002/2003 | * | * | | * |
| 2003/2004 | 970 | 2,000 | | 2,520 |
| 2004/2005 | 1,068 | 1,635 | | 2,500 |
| 2005/2006 | 1,415 | 4,500 | | 2,950 |
| 2006/2007 | 825 | 5,500 | | * |
| 2007/2008 | 590 | 3,600 | 1,200 | * |
| 2008/2009 | 600 | 2,500 | | 2,000 |
| 2009/2010 | 798 | 2,050 | | * |
| 2010/2011 | 875 | 1,965 | | 690 |
| 2011/2012 | 340 | 400 | | * |
| Total | 11,622 | 40,150 | 1,440 | 15,850 |
| Ave/Year | 894 | 3,088 | 111 | 1,219 |

* Data unavailable

Note: Poles are trenched planted while rooted stock or wands will be rip planted or augered.

Hutt Global consent - Tree groyne

| Year | Number | Location | Cross section | Comment |
|--------|--------|----------|---------------|-----------|
| Oct-10 | 9 | KGB | 0660 to 0670 | Construct |
| Nov-12 | 13 | KGB | 0680 to 0700 | Construct |

Record of crossblading activities in the Hutt River - Consent WGN 980255

Cross blading not to exceed 800 lineal metres in any financial year.

| Year | Month | Location | X Section | Length | Reach | Comment |
|------|-----------|--|-------------|--------------------|--------------------|------------------------|
| | | | | 400 | | Total 2011-12 |
| 2011 | November | Taita Rock-Pomare | 1040 - 1060 | 180 | Hutt River (Lower) | Maintenance |
| | | Nash Street | 970 - 1010 | 220 | Hutt River (Lower) | Maintenance |
| | | | | 320 | | Total 2009-10 |
| 2010 | November | Manor Park | 1110 - 1150 | 240 | Hutt River (Lower) | Maintenance |
| | | Belmont | 720 - 740 | 80 | Hutt River (Lower) | Maintenance |
| | | | | 210 | | Total 2008-09 |
| 2009 | December | Fraser Park beach | 920 - 940 | 130 | Hutt River (Lower) | Maintenance |
| | | Belmont | 720 - 740 | 80 | Hutt River (Lower) | Maintenance |
| | | | | 310 | | Total 2007-08 |
| 2008 | April | Totara Park | 2150 - 2190 | 130 | HuttRiver (Upper) | Maintenance |
| | March | Avalon and Manor Park block repairs | 0800 - 1140 | 180 | Hutt River (Lower) | Maintenance |
| | | | | 290 | | Total 2006-07 |
| 2007 | May | Avalon beach, Fraser Park | 800 - 850 | 290 | Hutt River (Lower) | Maintenance |
| 2007 | May | Gibbons Street, River Road | 2020 - 2050 | | HuttRiver (Upper) | Maintenance |
| | | | | 715 | | Total 2005-06 |
| 2005 | December | Kennedy Good Bridge | 640 - 670 | 350 | Hutt River (Lower) | Maintenance |
| | | Pomare Rail Bridge | 1060 - 1090 | 40 | Hutt River (Lower) | Maintenance |
| | November | Gibbons Street | 2020 - 2050 | 160 | HuttRiver (Upper) | Maintenance |
| | | Totara Park | 2150 - 2190 | 165 | HuttRiver (Upper) | Maintenance |
| | | | | 800 | | Total 2004-05 |
| 2005 | May | Akatarawa Bridge (Bridge Road) | 2350 - 2550 | 150 | HuttRiver (Upper) | Maintenance |
| 2004 | December | Kennedy Good Bridge | 640 - 670 | 195 | Hutt River (Lower) | Maintenance |
| | | Totara Park Bridge south | 2070 - 2100 | 215 | HuttRiver (Upper) | Maintenance |
| | | Totara Park horse paddocks | 2030 - 2090 | 65 | HuttRiver (Upper) | Maintenance |
| | | County Lane, River Road | 1400 - 1500 | 175 | HuttRiver (Upper) | Maintenance |
| | | | | 785 | | Total 2003-04 |
| 2004 | May | Avalon & Kennedy Good Bridge | 640 - 800 | 275 | Hutt River (Lower) | Maintenance |
| | April | Totara Park horse paddocks & River Road bypass | 2030 - 2090 | 240 | HuttRiver (Upper) | Maintenance |
| 2003 | December | Gibbons Street (beach) | 2020 - 2050 | 270 | HuttRiver (Upper) | Maintenance |
| | | | | 290 | | Total 2002-03 |
| 2003 | March | Owen Street | 740 - 780 | 70 | Hutt River (Lower) | Maintenance |
| | | Avalon | 800 - 850 | 220 | Hutt River (Lower) | Maintenance |
| | | | | 600 | | Total 2001-02 |
| 2002 | April | Totara Park horse paddock | 2030 - 2090 | 160 | HuttRiver (Upper) | Maintenance |
| 2001 | December | Melling Bridge south | 400 - 430 | 60 | Hutt River (Lower) | Maintenance |
| | | Melling Block Plant | 500 - 540 | 90 | Hutt River (Lower) | Maintenance |
| | | Boulcott recorder south | 530 - 550 | 50 | Hutt River (Lower) | Maintenance |
| | | Boulcott recorder north | 570 - 600 | 90 | Hutt River (Lower) | Maintenance |
| | | Totara Park Bridge | 2150 - 2180 | 150 | HuttRiver (Upper) | Maintenance |
| | | | | 755 | | Total 2000-01 |
| 2000 | November | Avalon | 800 - 850 | 120 | Hutt River (Lower) | Maintenance |
| | | Owen Street | 740 - 780 | 165 | Hutt River (Lower) | Maintenance |
| | | Pomare Rail Bridge | 1060 - 1090 | 115 | Hutt River (Lower) | Maintenance |
| | | River Road bypass | 2030 - 2090 | 105 | HuttRiver (Upper) | Maintenance |
| | October | Kennedy Good Bridge | 640 - 800 | 50 | Hutt River (Lower) | Maintenance |
| | September | Melling | 400 - 420 | 80 | Hutt River (Lower) | Maintenance |
| May | Avalon | 800 - 850 | 120 | Hutt River (Lower) | Maintenance | |
| | | | | 780 | | Total 1999-2000 |
| 1999 | December | Above Boulcott Recorder, Avalon | 570 - 600 | 165 | Hutt River (Lower) | Maintenance |
| | | Below Boulcott Recorder, Avalon | 530 - 550 | 105 | Hutt River (Lower) | Maintenance |
| | | Below Kennedy Good Bridge R/B | 610 - 630 | 90 | Hutt River (Lower) | Maintenance |
| | | Above Fraser Park L/B | 890 - 920 | 80 | Hutt River (Lower) | Maintenance |
| | | Totara Park horse paddocks R/B | 2030 - 2090 | 260 | HuttRiver (Upper) | Maintenance |
| | | Gibbons Street | 2020 - 2050 | 80 | HuttRiver (Upper) | Maintenance |
| | | | | 795 | | Total 1998-99 |
| 1998 | December | Totara Park / Gibbons Street | 2020 - 2090 | 55 | HuttRiver (Upper) | Maintenance |
| | November | Upper Belmont | 740 - 780 | 95 | Hutt River (Lower) | Maintenance |
| | | Lower Belmont | 700 - 730 | 50 | Hutt River (Lower) | Maintenance |
| | | Taita Erosion below Nash Street | 900 - 930 | 120 | Hutt River (Lower) | Maintenance |
| | | Avalon | 800 - 850 | 150 | Hutt River (Lower) | Maintenance |
| | | Manor Park / Taita Gorge | 1200 - 1300 | 325 | Hutt River (Lower) | Maintenance |

Total over life of consent 7050
Average per year 542

Note:

Greater Wellington does not guarantee the accuracy of this data. Best efforts have been made but some data may have been omitted.
From October 2006, the reach from the Ava Rail Bridge to Belmont is excluded due to the wet gravel extraction consent