Delaware River Flow and Storage Data - December 2006 Summary

DAY Delaware Delaware Parameter Matrice	River Basin orage %CAP 99.8% 100.0% 99.8% 99.8% 99.4% 99.2% 99.0% 98.0%
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3-Dec 11,000 12,260 3,920 18,400 19,900 3,700 2,440 64 270.708 4-Dec 9,580 9,800 2,140 3,670 20,500 20,400 3,270 2,230 64 270,233 5-Dec 8,650 8,740 1,830 3,390 18,400 18,500 3,030 2,100 64 269,921 6-Dec 7,200 7,300 1,570 2,680 15,500 15,700 2,670 1,860 63 268,612 8-Dec 6,790 6,010 1,070 2,630 13,300 12,900 2,300 1,640 65 267,423 10-Dec 5,630 5,750 1,040 2,630 13,000 12,900 2,1400 2,130 1,530 66 26,5345 12-Dec 5,240 1,210 2,340 11,600 11,500 2,170 1,530 66 26,5315 13-Dec 5,310 5,130 1,110 2,120 11,200	100.0% 99.8% 99.7% 99.4% 99.2% 99.0% 98.7%
4-bcc 9,80 2,140 3,670 20,500 20,400 3,270 2,230 64 270,233 5-Decc 7,880 7,930 1.610 2,940 16,800 18,400 18,500 3.030 2,100 64 269,226 7-Decc 7,200 7,300 1.570 2,680 1,590 5,700 2,570 1,860 63 26,81.05 9-Dec 5,930 6,010 1,070 2,650 1,3300 12,900 2,300 1,640 63 26,67,34 10-Dec 5,660 5,570 1,040 2,620 13,300 12,900 2,270 1,610 64 26,593 13-Dec 5,530 5,210 1,210 2,230 11,600 11,500 2,270 1,610 64 26,593 13-Dec 5,330 5,310 1,110 2,240 1,1500 2,270 1,610 66 2,653,21 13-Dec 5,430 5,370 1,000 1,000 1,000	99.8% 99.7% 99.4% 99.2% 99.0% 98.7%
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1 2 bcc (-200) $(-11,00)$ $(-11,00)$ $(-11,00)$ $(-11,00)$ (-130) (-60) (-200) $(-11,00)$ $(-11,00)$ (-130) (-60) </td <td>99.2% 99.0% 98.7%</td>	99.2% 99.0% 98.7%
$0 - Dec}{9.920}$ 5.930 6.010 1.070 2.630 13.800 13.700 2.420 1.680 6.3 267.423 10 - Dec 5.680 5.750 1.040 2.620 13.000 12.900 2.300 1.640 63 266.743 11 - Dec 5.680 5.750 1.070 2.470 12.000 12.400 2.270 1.610 64 265.931 13 - Dec 5.310 5.210 2.340 11,600 11.500 2.170 1.530 66 265.321 15 - Dec 5.390 5.310 1.110 2.280 11,600 11.200 2.330 1.570 68 263.310 16 - Dec 5.490 5.370 1.100 2.160 11.200 11.000 2.130 1.440 69 262.201 17 - Dec 4.700 4.860 1.820 10.200 9.980 1.770 1.300 69 264.432 19 - Dec 4.700 4.860 1.820 9.530 9.450 <td>98 7%</td>	98 7%
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	20.170
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$\begin{array}{c c c c c c c c c c c c c c c c c c c $	96.2%
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23-Dec 4,570 4,910 1,040 3,260 11,800 12,900 6,170 3,020 69 255,566 24-Dec 6,380 6,390 950 2,810 14,700 14,200 5,450 2,840 68 255,366 25-Dec 6,100 5,970 982 2,570 13,600 13,600 3,440 2,360 68 254,867 26-Dec 5,600 5,660 1,210 3,480 16,900 16,300 6,320 3,180 68 254,867 28-Dec 7,020 7,050 1,310 3,110 15,600 15,200 5,540 3,520 68 254,431 29-Dec 6,320 6,130 1,120 2,930 14,900 14,700 4,070 2,590 67 254,257 30-Dec 5,440 5,570 1,070 2,880 13,200 13,304 3,490 2,310 67 254,251 31-Dec 5,410 5,330 1,050 2,810 12,500 12,400 3,250 2,240 67 254,291 No	94.6%
24-bec 6,380 6,390 950 2,810 14,700 14,200 5,450 2,840 68 255,305 25-bec 6,100 5,970 982 2,570 13,600 13,600 3,940 2,360 68 254,867 26-bec 5,600 5,660 1,210 3,480 16,900 16,300 6,320 3,180 68 254,453 27-bec 7,020 7,050 1,310 3,110 15,600 15,200 5,540 3,520 68 254,672 28-bec 7,020 6,800 1,670 3,310 14,700 14,900 4,700 2,920 66 254,434 29-bec 6,320 6,130 1,120 2,930 14,900 14,700 2,370 67 254,191 30-bec 5,490 5,570 1,070 2,880 13,200 13,300 3,490 2,370 67 254,191 31-bec 5,410 5,330 1,050 2,810 12,500 12,400 3,250 2,240 67 254,298 0 </td <td>94.4%</td>	94.4%
25-Dec 6,100 5,970 982 2,570 13,600 13,600 3,940 2,360 68 254.861 26-Dec 5,600 5,660 1,210 3,480 16,900 16,300 6,320 3,180 68 254.861 27-Dec 7,020 6,800 1,670 3,110 15,600 15,200 5,540 3,520 68 254.672 28-Dec 7,020 6,800 1,670 3,310 14,700 14,900 4,720 3,250 68 254.672 30-Dec 5,490 5,570 1,070 2,880 13,200 13,300 3,490 2,370 67 254.257 30-Dec 5,490 5,570 1,070 2,880 13,200 13,300 3,490 2,370 67 254.291 31-Dec 5,410 5,330 1,050 2,810 12,500 12,400 3,200 2,340 67 254.298 Mormal 4,917 1,351 2,757 11,310 3,649 3,142 2,044 10 10 10 10 <t< td=""><td>94.3%</td></t<>	94.3%
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	94.1%
27-Dec 7,050 1,310 13,000 13,000 13,200 5,340 5,320 668 254,072 28-Dec 7,020 6,800 1,670 3,310 14,700 14,900 4,700 3,250 68 254,072 29-Dec 6,320 6,130 1,120 2,930 14,900 14,700 4,070 2,590 67 254,257 30-Dec 5,490 5,570 1,070 2,880 13,200 13,300 3,490 2,370 67 254,191 31-Dec 5,410 5,330 1,050 2,810 12,500 12,400 3,250 2,240 67 254,298 December Avg 6,177 6,254 1,260 2,730 13,634 13,649 3,142 2,044	94.0%
29-Dec 6,330 1,100 1,100 11,000 14,700 1,700	93.9%
30-Dec 5,490 5,570 1,070 2,880 13,200 13,300 3,490 2,370 67 254,191 31-Dec 5,410 5,330 1,050 2,810 12,500 12,400 3,250 2,240 67 254.298 December Avg 6,177 6,254 1,260 2,730 13,634 13,649 3,142 2,044 Normal 4,917 1,351 2,757 11,310 3,090 2,133 74 % of Normal 127.2% 93.3% 99.0% 120.7% 101.7% 95.8% NYC 24-hr Reservoir Observations: December 31, 8 am Directed Releases (cfs): December 31 Summary of NYC Storage Observations: December Neversink 0.00 33.573 96.1% 0 0 Blue Marsh NYC Daily Storage Median (BG)= 188.828 Neversink 0.00 33.573 96.1% 0 0 Beltzville 0 RC Above NYC Daily Storage Median = 65.470	93.9%
31-Dec 5,410 5,330 1,050 2,810 12,500 12,400 3,250 2,240 67 254.298 December Avg 6,177 6,254 1,260 2,730 13,634 13,649 3,142 2,044 <	93.9%
December Avg 6,177 6,254 1,260 2,730 13,634 13,649 3,142 2,044 Image: Constraint of the state of the	93.9%
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Normal 4,917 1,351 2,757 11,310 3,090 2,133 74 % of Normal 127.2% 93.3% 99.0% 120.7% 101.7% 95.8% 10 10 NYC 24-hr Reservoir Observations: December 31, 8 am Precip Usable Storage Draft Directed Releases (cfs): Summary of NYC Storage Observations: December 31 NYC Daily Storage (BG)= 254.298 (IN.) (BG) (%) (MG) (MG) Blue Marsh 0 NYC Daily Storage Median (BG)= 188.828 Neversink 0.00 33.573 96.1% 0 0 Beltzville 0 BG Above NYC Daily Storage Median = 65.470 Barneton 0.00 122.756 05.4% 453 0 ^b E F. Walter 0 BC Above Drought Wetch = 128.404	
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Precip Usable Storage Draft Directed Relates (cls). Summary of NTC Storage Observations: December 31, 3 and 200 (NTC Daily Storage (BG)= 254.298 Vertex (IN.) (BG) (%) (MG) (MG) Blue Marsh 0 NYC Daily Storage Median (BG)= 188.828 Neversink 0.00 33.573 96.1% 0 0 Beltzville 0 BG Above NYC Daily Storage Median = 65.470 December 31 ** ** ** ** ** ** **	n 21
Precip Usable Storage Draft Directed Rel December S1 NYC Daily Storage (BG)= 254.298 (IN.) (BG) (%) (MG) (MG) Blue Marsh 0 NYC Daily Storage Median (BG)= 188.828 Neversink 0.00 33.573 96.1% 0 0 Beltzville 0 BG Above NYC Daily Storage Median = 65.470 Banacton 0.00 132.756 05.4% 453 0 ^b F F. Walter 0 BC A have Drought Wetch = 128.404	1 31
(IN.) (BG) (%) (MG) (MG) Blue Marsh 0 NYC Daily Storage Median (BG)= 188.828 Neversink 0.00 33.573 96.1% 0 0 Beltzville 0 BG Above NYC Daily Storage Median = 65.470 Banactan 0.00 132.756 05.4% 453 0 ^b F F. Walter 0 BC Above Drought Wetch = 128.404	93.9%
Neversink 0.00 33.573 96.1% 0 0 Beltzville 0 BG Above NYC Daily Storage Median = 65.470 Percentary 0.00 122.756 $0.5.4\%$ 453 0 b F Walter 0 0 0 0 122.756 128.404	69.7%
V_{0}	34.67%
$\begin{array}{c} \mathbf{Fe}_{\mathbf{p}}(\mathbf{r}) = \mathbf{F}_{\mathbf{p}}(\mathbf{r}) $	
Cannonsville 0.00 92.025 96.2% 0 0 Merrill Cr 0 BG Above Drought Warning = 144.404	
Rondout $0.00 47.553 95.8\% 607 0$ NYC ResExcess BG Above Drought = 168.404	
Bank 0 BG Above One Year Ago = 9.286	
^c Lake	
Wallenpaupack 0	
Daily Usable Storage: December 31	
VOL. (BG) ^d %CAP	
Blue Marsh 4.85 101.9	
Beltzville 13.28 102.2	

Storage data provided by New York City Department of Environmental Protection, Bureau of Water Supply.

Chloride data provided by U.S. Geological Survey and Kimberly Clark Corporation.

Lower Basin reservoir storage data provided by Philadelphia District Corps of Engineers.

Based on the location of the 7-day average chloride concentration of 250 milligrams/liter (mg/L).

Releases from F.E. Walter are requested from the U.S. Army Corps of Engineers and are made from the reservoir's temporary drought storage.

Directed releases from Lake Wallenpaupack are estimated values supplied by PPL.

Percent of usable storage available.

BG=Billion Gallons; CFS=Cubic Feet per Second; DO= Dissolved Oxygen; MG= Million Gallons;

ESTIMATES OF THE SALT FRONT ARE BASED ON PROVISIONAL DATA AND ARE SUBJECT TO CHANGE

<u>NOTES:</u> 1. The salt front river mile location will be updated as chloride data is received.

2. Normal flow values represent the median of monthly means for 1971-2000, except for the Lehigh River at Lehighton. For Lehighton, normal flow values represent the

median of monthly means for 1983-2000 (the entire period of record for the station). 3. Reporting of the minimum dissolved oxygen for the Lehigh River at Easton and the maximum temperature at the Schuylkill River at Vincent Dam has been discontinued. Reporting will begin again in June 2007.