

Hackensack River Loads Summary Nitrogen Load (kg/d)				
1988 Hydrodynamic Conditions				
Source	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Hackensack River Head of Tide	57.9	55.8	41.8	22.1
Storm Water	836.2	780.6	780.6	237.6
CSO	401.9	401.9	160.7	0.0
North Bergen Central	336.3	336.3	134.5	0.0
Secaucus	286.3	286.3	114.5	0.0
Bergen County	5534.7	5534.7	2215.2	0.0
Atmosphere	34.6	25.8	25.8	2.6
1989 Hydrodynamic Conditions				
Source	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Hackensack River Head of Tide	284.5	273.9	205.5	106.6
Storm Water	1045.6	976.2	976.2	297.2
CSO	502.5	502.5	201.0	0.0
North Bergen Central	336.3	336.3	134.5	0.0
Secaucus	286.3	286.3	114.5	0.0
Bergen County	5535.4	5535.4	2215.5	0.0
Atmosphere	34.6	25.8	25.8	2.6

Hackensack River Loads Summary Carbon Load (kg/d)				
1988 Hydrodynamic Conditions				
Source	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Hackensack River Head of Tide	302.9	302.9	242.2	158.4
Storm Water	7587.1	7587.1	7587.1	1552.8
CSO	2525.1	2525.1	1010.1	0.0
North Bergen Central	1094.4	1094.4	437.7	0.0
Secaucus	257.6	257.6	103.0	0.0
Bergen County	7791.6	7791.6	3117.0	0.0
Atmosphere	51.2	51.2	51.2	3.9
1989 Hydrodynamic Conditions				
Source	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Hackensack River Head of Tide	1563.2	1563.2	1260.6	765.1
Storm Water	9487.7	9487.7	9487.7	1941.8
CSO	3157.7	3157.7	1263.1	0.0
North Bergen Central	1094.6	1094.6	437.8	0.0
Secaucus	257.6	257.6	103.0	0.0
Bergen County	7792.5	7792.5	3117.3	0.0
Atmosphere	51.2	51.2	51.2	3.9

Passaic River Loads Summary Nitrogen Load (kg/d)				
1988 Hydrodynamic Conditions				
Source	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Passaic River Head of Tide	5652.9	5441.7	4084.1	863.3
Saddle River Head of Tide	684.8	659.2	494.7	34.2
Storm Water	521.3	486.7	486.7	148.1
CSO	447.4	447.4	179.0	0.0
Atmosphere	22.4	16.8	16.8	1.7
1989 Hydrodynamic Conditions				
Source	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Passaic River Head of Tide	11362.2	10940.6	8207.0	1489.0
Saddle River Head of Tide	1089.6	1049.1	787.1	48.1
Storm Water	651.9	608.6	608.6	185.3
CSO	559.5	559.5	223.8	0.0
Atmosphere	22.4	16.8	16.8	1.7

Passaic River Loads Summary Carbon Load (kg/d)				
1988 Hydrodynamic Conditions				
Source	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Passaic River Head of Tide	13719.5	13719.5	10920.1	5938.4
Saddle River Head of Tide	1681.8	1681.8	1335.2	705.9
Storm Water	4730.0	4730.0	4730.0	968.1
CSO	2811.6	2811.6	1124.6	0.0
Atmosphere	33.3	33.2	33.2	2.5
1989 Hydrodynamic Conditions				
Source	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Passaic River Head of Tide	26044.0	26044.0	21086.6	10243.8
Saddle River Head of Tide	2519.9	2519.9	2027.6	991.5
Storm Water	5914.9	5914.9	5914.9	1210.6
CSO	3515.9	3515.9	1406.4	0.0
Atmosphere	33.3	33.2	33.2	2.5

Newark Bay Loads Summary				
Nitrogen Load (kg/d)				
1988 Hydrodynamic Conditions				
Source	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Storm Water	141.0	131.6	131.6	40.1
CSO	145.1	145.1	58.0	0.0
Atmosphere	46.7	34.9	34.9	3.6
1989 Hydrodynamic Conditions				
Source	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Storm Water	176.3	164.6	164.6	50.1
CSO	181.4	181.4	72.6	0.0
Atmosphere	46.7	34.9	34.9	3.6

Newark Bay Loads Summary					
Carbon Load (kg/d)					
1988 Hydrodynamic Conditions					
Source	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral	
Storm Water	1279.3	1279.3	1279.3	261.8	
CSO	911.4	911.4	364.6	0.0	
Atmosphere	69.2	69.2	69.2	5.3	
1989 Hydrodynamic Conditions					
Source	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral	
Storm Water	1599.8	1599.8	1599.8	327.4	
CSO	1139.8	1139.8	455.9	0.0	
Atmosphere	69.2	69.2	69.2	5.3	

Arthur Kill and Kill Van Kull Loads Summary				
Nitrogen Load (kg/d)				
1988 Hydrodynamic Conditions				
Source	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Storm Water	704.0	657.3	657.3	200.7
CSO	551.5	551.5	220.6	0.0
Port Richmond	1392.6	1392.6	557.3	0.0
Linden Roselle	3250.4	3250.4	1299.1	0.0
Jnt Meeting Essex Union	4474.0	4474.0	1789.8	0.0
Rahway	1715.1	1715.1	686.0	0.0
Atmosphere	59.1	44.1	44.1	4.5
1989 Hydrodynamic Conditions				
Source	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Storm Water	880.4	821.9	821.9	250.9
CSO	686.2	686.2	274.5	0.0
Port Richmond	1392.7	1392.7	557.4	0.0
Linden Roselle	3250.9	3250.9	1299.3	0.0
Jnt Meeting Essex Union	4474.2	4474.2	1789.9	0.0
Rahway	1715.2	1715.2	686.1	0.0
Atmosphere	59.1	44.1	44.1	4.5

Arthur Kill and Kill Van Kull Loads Summary					
Carbon Load (kg/d)					
1988 Hydrodynamic Conditions					
Source	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral	
Storm Water	6388.0	6388.0	6388.0	1311.7	
CSO	3465.5	3465.5	1386.2	0.0	
Port Richmond	1240.7	1240.7	496.0	0.0	
Linden Roselle	782.1	782.1	312.8	0.0	
Jnt Meeting Essex Union	4415.9	4415.9	1765.8	0.0	
Rahway	2599.3	2599.3	1039.7	0.0	
Atmosphere	87.5	87.5	87.5	6.7	
1989 Hydrodynamic Conditions					
Source	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral	
Storm Water	7988.2	7988.2	7988.2	1639.3	
CSO	4311.5	4311.5	1724.6	0.0	
Port Richmond	1240.9	1240.9	496.1	0.0	
Linden Roselle	782.2	782.2	312.8	0.0	
Jnt Meeting Essex Union	4416.5	4416.5	1766.1	0.0	
Rahway	2599.5	2599.5	1039.8	0.0	
Atmosphere	87.5	87.5	87.5	6.7	



Raritan River And Raritan Bay Loads Summary				
Nitrogen Load (kg/d)				
1988 Hydrodynamic Conditions				
Source	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Raritan River Head of Tide	5934.5	5436.6	4072.1	380.6
South River Head of Tide	787.5	721.4	540.4	169.3
Navesink/Shrewbury River Head of Tide	81.8	81.1	60.8	28.7
Storm Water	806.3	752.8	752.8	229.2
CSO	125.2	125.2	50.1	0.0
Oakwood Beach	2031.1	2031.1	812.3	0.0
Middlesex County	13989.6	13989.6	5596.9	0.0
Atmosphere	832.6	621.7	621.7	63.4
1989 Hydrodynamic Conditions				
Source	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Raritan River Head of Tide	8786.4	8053.2	6028.3	575.2
South River Head of Tide	1105.7	1013.5	758.4	235.7
Navesink/Shrewbury River Head of Tide	303.8	301.1	225.8	114.3
Storm Water	1008.3	941.4	941.4	286.6
CSO	156.6	156.6	62.6	0.0
Oakwood Beach	2031.3	2031.3	812.4	0.0
Middlesex County	13991.1	13991.1	5597.5	0.0
Atmosphere	832.6	621.7	621.7	63.4

Raritan River And Raritan Bay Loads Summary Carbon Load (kg/d)				
1988 Hydrodynamic Conditions				
Source	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Raritan River Head of Tide	14300.0	14300.0	11131.2	8260.1
South River Head of Tide	1809.3	1809.3	1403.5	1100.7
Navesink/Shrewbury River Head of Tide	215.3	215.3	164.9	165.8
Storm Water	7316.5	7316.5	7316.5	1497.4
CSO	786.8	786.8	314.7	0.0
Oakwood Beach	1226.9	1226.9	490.8	0.0
Middlesex County	15337.9	15337.9	6135.6	0.0
Atmosphere	1233.5	1233.4	1233.4	94.0
1989 Hydrodynamic Conditions				
Source	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Raritan River Head of Tide	21615.4	21615.4	16780.2	12484.9
South River Head of Tide	2776.3	2776.3	2153.4	1533.1
Navesink/Shrewbury River Head of Tide	928.4	928.4	724.8	661.1
Storm Water	9149.3	9149.3	9149.3	1872.5
CSO	983.9	983.9	393.6	0.0
Oakwood Beach	1227.1	1227.1	490.9	0.0
Middlesex County	15339.8	15339.8	6136.3	0.0
Atmosphere	1233.5	1233.4	1233.4	94.0

Hudson River Below Tappan Zee and Upper Bay Loads Summary				
Nitrogen Load (kg/d)				
1988 Hydrodynamic Conditions				
Source	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Sawmill River Head of Tide	118.2	114.6	86.0	38.1
Storm Water	243.3	227.2	227.2	86.0
CSO	1131.1	1131.1	452.5	0.0
North River	10973.6	10973.6	4391.3	0.0
Owls Head	8390.4	8390.4	3355.2	0.0
Yonkers	5140.5	5140.5	2055.2	0.0
North Bergen Woodcliff	158.9	158.9	63.5	0.0
Hoboken	840.8	840.8	336.5	0.0
West New York	476.8	476.8	190.7	0.0
Passaic Valley	29069.8	29069.8	11629.5	0.0
Edgewater	176.4	176.4	70.6	0.0
Atmosphere	343.0	256.1	256.1	26.1
1989 Hydrodynamic Conditions				
Source	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Sawmill River Head of Tide	162.1	157.2	117.9	53.8
Storm Water	309.0	288.5	288.5	114.3
CSO	1537.7	1537.7	615.1	0.0
North River	10974.9	10974.9	4391.8	0.0
Owls Head	8391.5	8391.5	3355.6	0.0
Yonkers	5141.0	5141.0	2055.4	0.0
North Bergen Woodcliff	158.9	158.9	63.5	0.0
Hoboken	840.8	840.8	336.5	0.0
West New York	476.9	476.9	190.8	0.0
Passaic Valley	29072.8	29072.8	11630.8	0.0
Edgewater	176.4	176.4	70.6	0.0
Atmosphere	343.0	256.1	256.1	26.1

Hudson River Below Tappan Zee and Upper Bay Loads Summary Carbon Load (kg/d)				
1988 Hydrodynamic Conditions				
Source	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Sawmill River Head of Tide	335.2	335.2	258.4	248.6
Storm Water	2207.8	2207.8	2207.8	562.0
CSO	7107.5	7107.5	2843.0	0.0
North River	10293.6	10293.6	4117.2	0.0
Owls Head	10055.9	10055.9	4023.9	0.0
Yonkers	5044.4	5044.4	2018.2	0.0
North Bergen Woodcliff	323.4	323.4	129.4	0.0
Hoboken	762.3	762.3	304.9	0.0
West New York	1142.8	1142.8	457.1	0.0
Passaic Valley	41156.9	41156.9	16464.1	0.0
Edgewater	256.7	256.7	102.7	0.0
Atmosphere	508.1	508.1	508.1	38.7
1989 Hydrodynamic Conditions				
Source	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Sawmill River Head of Tide	479.8	479.8	373.1	351.1
Storm Water	2804.0	2804.0	2804.0	746.9
CSO	9661.9	9661.9	3864.8	0.0
North River	10294.8	10294.8	4117.7	0.0
Owls Head	10057.0	10057.0	4024.3	0.0
Yonkers	5045.3	5045.3	2018.6	0.0
North Bergen Woodcliff	323.5	323.5	129.4	0.0
Hoboken	762.4	762.4	305.0	0.0
West New York	1142.9	1142.9	457.2	0.0
Passaic Valley	41161.7	41161.7	16466.0	0.0
Edgewater	256.7	256.7	102.7	0.0
Atmosphere	508.1	508.1	508.1	38.7

Month	Hackensack River Head of Tide Nitrogen Load (kg/d)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	5.8	5.6	4.2	2.1
Feb-88	185.6	178.7	134.1	64.2
Mar-88	171.2	164.8	123.5	52.4
Apr-88	14.7	14.2	10.6	6.8
May-88	200.3	192.8	144.6	83.0
Jun-88	26.1	25.1	18.9	7.9
Jul-88	5.6	5.4	4.1	1.9
Aug-88	6.1	5.9	4.4	2.1
Sep-88	7.2	6.9	5.2	2.4
Oct-88	2.1	2.1	1.6	0.7
Nov-88	37.5	36.2	27.1	20.9
Dec-88	33.1	31.9	24.0	20.2
Jan-89	0.8	0.8	0.6	0.3
Feb-89	2.7	2.6	1.9	0.9
Mar-89	137.3	132.2	99.1	42.1
Apr-89	147.8	142.4	106.7	68.6
May-89	1434.4	1380.7	1035.9	594.2
Jun-89	646.4	622.1	467.1	195.6
Jul-89	77.8	74.9	56.1	26.5
Aug-89	131.3	126.4	94.7	44.7
Sep-89	214.9	206.9	155.1	73.2
Oct-89	523.4	503.9	377.8	178.3
Nov-89	90.3	87.0	65.3	50.3
Dec-89	7.2	7.0	5.2	4.4

Month	Hackensack River Head of Tide Carbon Load (kg/d)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	28.9	28.9	22.0	15.4
Feb-88	822.3	822.3	626.8	460.8
Mar-88	660.5	660.5	541.0	376.4
Apr-88	98.4	98.4	78.2	49.0
May-88	1223.3	1223.3	989.4	595.6
Jun-88	128.4	128.4	104.2	56.8
Jul-88	26.6	26.6	21.2	13.8
Aug-88	28.7	28.7	22.9	14.9
Sep-88	33.8	33.8	26.9	17.5
Oct-88	10.2	10.2	8.1	5.3
Nov-88	312.8	312.8	257.2	150.1
Dec-88	260.4	260.4	208.7	145.0
Jan-89	4.1	4.1	3.1	2.2
Feb-89	11.8	11.8	9.0	6.6
Mar-89	529.8	529.8	434.0	301.9
Apr-89	988.1	988.1	785.1	491.8
May-89	8761.4	8761.4	7086.4	4265.7
Jun-89	3176.9	3176.9	2578.9	1404.5
Jul-89	367.3	367.3	292.7	190.1
Aug-89	620.1	620.1	494.0	320.8
Sep-89	1015.7	1015.7	809.2	525.3
Oct-89	2473.1	2473.1	1970.4	1279.0
Nov-89	753.0	753.0	619.3	361.4
Dec-89	56.9	56.9	45.6	31.7

Month	Passaic River Head of Tide Nitrogen Load (kg/d)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	3464.6	3333.0	2502.3	755.6
Feb-88	10272.9	9884.7	7414.5	1730.2
Mar-88	6960.5	6692.1	5038.8	1445.7
Apr-88	3622.1	3491.1	2612.8	526.7
May-88	16079.1	15489.4	11609.9	1929.5
Jun-88	4360.8	4197.2	3149.7	446.3
Jul-88	6446.3	6205.7	4657.4	752.6
Aug-88	3229.4	3108.9	2333.2	377.0
Sep-88	2909.1	2800.6	2101.8	339.6
Oct-88	1569.4	1510.8	1133.9	183.2
Nov-88	6238.0	5999.2	4515.6	1355.5
Dec-88	2682.9	2588.3	1939.7	517.2
Jan-89	2789.2	2683.3	2014.6	608.3
Feb-89	3517.8	3384.9	2539.0	592.5
Mar-89	3658.9	3517.8	2648.8	760.0
Apr-89	12815.0	12351.4	9244.1	1863.3
May-89	44647.6	43010.2	32237.8	5357.7
Jun-89	18683.7	17982.5	13494.9	1912.2
Jul-89	6244.1	6011.1	4511.3	729.0
Aug-89	4112.2	3958.7	2971.0	480.1
Sep-89	11869.7	11426.7	8575.7	1385.8
Oct-89	18368.1	17682.6	13270.8	2144.5
Nov-89	7215.8	6939.5	5223.3	1567.9
Dec-89	2424.2	2338.7	1752.6	467.3

Month	Passaic River Head of Tide Carbon Load (kg/d)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	9414.5	9414.5	7165.1	5203.0
Feb-88	17952.8	17952.8	13713.6	11891.4
Mar-88	18253.7	18253.7	14343.3	9954.7
Apr-88	8012.6	8012.6	6652.8	3625.5
May-88	36371.6	36371.6	30060.4	13279.7
Jun-88	9593.8	9593.8	7996.8	3068.9
Jul-88	20389.0	20389.0	15825.4	5169.6
Aug-88	6646.8	6646.8	5249.8	2590.7
Sep-88	5628.0	5628.0	4468.7	2339.8
Oct-88	3035.4	3035.4	2410.0	1258.4
Nov-88	21912.0	21912.0	17335.4	9328.4
Dec-88	7424.0	7424.0	5820.1	3551.2
Jan-89	7579.4	7579.4	5768.4	4188.8
Feb-89	6147.6	6147.6	4696.0	4072.0
Mar-89	9595.4	9595.4	7539.8	5232.9
Apr-89	28348.8	28348.8	23537.8	12827.1
May-89	100995.1	100995.1	83470.4	36874.4
Jun-89	41104.0	41104.0	34261.8	13148.6
Jul-89	19749.6	19749.6	15329.1	5007.5
Aug-89	8463.7	8463.7	6684.9	3298.9
Sep-89	22963.2	22963.2	18233.1	9546.8
Oct-89	35526.0	35526.0	28206.3	14728.8
Nov-89	25346.5	25346.5	20052.5	10790.5
Dec-89	6708.1	6708.1	5258.9	3208.8



Month	Saddle River Head of Tide Nitrogen Load (kg/d)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	427.9	411.7	309.1	31.1
Feb-88	982.1	945.0	708.8	55.1
Mar-88	611.3	587.7	442.5	42.3
Apr-88	602.0	580.2	434.2	29.2
May-88	1151.9	1109.7	831.8	46.1
Jun-88	613.1	590.0	442.8	20.9
Jul-88	1085.8	1045.3	784.5	42.3
Aug-88	523.0	503.5	377.9	20.4
Sep-88	558.0	537.1	403.1	21.7
Oct-88	457.9	440.8	330.8	17.8
Nov-88	811.5	780.4	587.4	58.8
Dec-88	392.9	379.1	284.1	25.2
Jan-89	316.7	304.6	228.7	23.0
Feb-89	512.1	492.8	369.6	28.8
Mar-89	580.8	558.4	420.4	40.2
Apr-89	990.6	954.8	714.6	48.0
May-89	3079.1	2966.1	2223.2	123.2
Jun-89	1920.5	1848.4	1387.2	65.5
Jul-89	1086.7	1046.1	785.1	42.3
Aug-89	816.1	785.6	589.6	31.8
Sep-89	1322.3	1273.0	955.4	51.5
Oct-89	1539.1	1481.7	1112.0	59.9
Nov-89	542.6	521.8	392.8	39.3
Dec-89	369.1	356.1	266.8	23.7

Month	Saddle River Head of Tide Carbon Load (kg/d)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	1162.9	1162.9	885.0	641.4
Feb-88	1716.3	1716.3	1311.0	1137.1
Mar-88	1603.0	1603.0	1259.6	872.5
Apr-88	1331.7	1331.7	1105.7	601.7
May-88	2605.7	2605.7	2153.6	950.3
Jun-88	1348.7	1348.7	1124.2	431.7
Jul-88	3434.3	3434.3	2665.6	871.6
Aug-88	1076.5	1076.5	850.3	419.5
Sep-88	1079.4	1079.4	857.1	447.2
Oct-88	885.6	885.6	703.1	367.1
Nov-88	2850.5	2850.5	2255.1	1210.8
Dec-88	1087.3	1087.3	852.4	520.4
Jan-89	860.5	860.5	654.9	474.6
Feb-89	894.9	894.9	683.6	592.9
Mar-89	1523.0	1523.0	1196.7	828.9
Apr-89	2191.4	2191.4	1819.5	990.1
May-89	6965.0	6965.0	5756.4	2540.2
Jun-89	4225.1	4225.1	3521.8	1352.3
Jul-89	3437.0	3437.0	2667.7	872.3
Aug-89	1679.7	1679.7	1326.6	654.5
Sep-89	2558.2	2558.2	2031.2	1059.9
Oct-89	2976.9	2976.9	2363.5	1234.1
Nov-89	1905.9	1905.9	1507.8	809.6
Dec-89	1021.3	1021.3	800.6	488.8

Month	Raritan River Head of Tide Nitrogen Load (kg/d)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	5777.3	5298.1	3973.1	352.6
Feb-88	13890.2	12693.9	9521.0	918.1
Mar-88	7183.0	6577.9	4941.5	478.8
Apr-88	3801.3	3485.8	2607.8	231.1
May-88	7566.3	6931.5	5196.5	586.8
Jun-88	2156.1	1978.9	1478.0	134.2
Jul-88	9704.7	8896.4	6653.8	540.2
Aug-88	1938.4	1776.9	1328.8	125.9
Sep-88	2163.3	1983.4	1483.0	140.5
Oct-88	1681.9	1542.0	1153.0	109.3
Nov-88	10775.9	9879.6	7386.9	700.0
Dec-88	4575.3	4194.7	3142.4	249.3
Jan-89	4629.8	4245.7	3183.9	282.6
Feb-89	6713.6	6135.4	4601.8	443.8
Mar-89	8164.3	7476.6	5616.6	544.2
Apr-89	9710.4	8904.4	6661.6	590.5
May-89	18539.7	16984.3	12733.0	1437.8
Jun-89	13544.2	12430.7	9284.2	843.2
Jul-89	8277.5	7588.1	5675.2	460.8
Aug-89	3184.6	2919.2	2183.1	206.9
Sep-89	12357.2	11329.4	8470.9	802.8
Oct-89	11834.8	10850.4	8112.8	768.8
Nov-89	5678.9	5206.6	3892.9	368.9
Dec-89	2801.3	2568.3	1924.0	152.7

Month	Raritan River Head of Tide Carbon Load (kg/d)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	9738.3	9738.3	7395.4	7657.9
Feb-88	25932.5	25932.5	19675.8	19918.4
Mar-88	18153.4	18153.4	13727.6	10392.4
Apr-88	7915.7	7915.7	6317.3	5013.8
May-88	21197.9	21197.9	16863.3	12722.4
Jun-88	4460.6	4460.6	3380.4	2915.9
Jul-88	31991.8	31991.8	26660.4	11726.2
Aug-88	4987.5	4987.5	3853.0	2732.9
Sep-88	5567.6	5567.6	4209.2	3051.6
Oct-88	4328.6	4328.6	3272.5	2372.5
Nov-88	27732.8	27732.8	20966.6	15200.6
Dec-88	9593.4	9593.4	7253.3	5416.9
Jan-89	7804.0	7804.0	5926.4	6136.8
Feb-89	12534.0	12534.0	9510.0	9627.2
Mar-89	20633.5	20633.5	15603.1	11812.2
Apr-89	20220.6	20220.6	16137.6	12807.7
May-89	51941.2	51941.2	41320.2	31173.8
Jun-89	28020.6	28020.6	21234.6	18317.0
Jul-89	27286.9	27286.9	22739.6	10001.7
Aug-89	8193.9	8193.9	6330.0	4489.9
Sep-89	31802.6	31802.6	24043.4	17431.3
Oct-89	30458.1	30458.1	23026.9	16694.3
Nov-89	14615.3	14615.3	11049.5	8010.8
Dec-89	5873.7	5873.7	4441.0	3316.6

Month	South River Head of Tide Nitrogen Load (kg/d)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	1153.6	1057.9	793.4	234.9
Feb-88	2066.9	1888.9	1416.8	456.1
Mar-88	1091.8	999.8	751.1	242.8
Apr-88	917.8	841.6	629.6	186.2
May-88	954.6	874.6	655.6	247.4
Jun-88	432.1	396.6	296.2	89.9
Jul-88	808.9	741.5	554.6	150.2
Aug-88	373.8	342.7	256.2	81.2
Sep-88	351.3	322.0	240.8	76.2
Oct-88	196.6	180.3	134.8	42.6
Nov-88	670.1	614.3	459.3	145.3
Dec-88	432.3	396.4	296.9	78.7
Jan-89	432.8	396.9	297.6	88.1
Feb-89	578.1	528.3	396.3	127.6
Mar-89	687.6	629.7	473.1	152.9
Apr-89	846.7	776.4	580.8	171.8
May-89	1237.2	1133.4	849.7	320.6
Jun-89	1075.6	987.2	737.3	223.8
Jul-89	1532.8	1405.1	1050.9	284.7
Aug-89	990.1	907.6	678.7	215.0
Sep-89	1582.5	1450.9	1084.8	343.1
Oct-89	1944.6	1782.9	1333.0	421.6
Nov-89	1443.7	1323.7	989.7	313.0
Dec-89	916.4	840.2	629.4	166.7

Month	South River Head of Tide Carbon Load (kg/d)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	1944.6	1944.6	1476.7	1528.6
Feb-88	3858.9	3858.9	2927.9	2962.0
Mar-88	2759.2	2759.2	2086.5	1582.3
Apr-88	1911.1	1911.1	1525.2	1211.4
May-88	2674.6	2674.6	2127.7	1605.0
Jun-88	894.0	894.0	677.5	583.5
Jul-88	2666.4	2666.4	2222.1	978.4
Aug-88	961.8	961.8	743.0	526.6
Sep-88	904.0	904.0	683.5	495.8
Oct-88	506.1	506.1	382.6	277.5
Nov-88	1724.5	1724.5	1303.7	945.7
Dec-88	906.5	906.5	685.4	511.7
Jan-89	729.5	729.5	554.0	573.4
Feb-89	1079.3	1079.3	818.9	828.4
Mar-89	1737.9	1737.9	1314.2	996.6
Apr-89	1763.1	1763.1	1407.1	1117.6
May-89	3466.1	3466.1	2757.4	2080.0
Jun-89	2225.2	2225.2	1686.3	1452.3
Jul-89	5052.8	5052.8	4210.8	1854.0
Aug-89	2547.5	2547.5	1968.0	1394.9
Sep-89	4072.7	4072.7	3079.1	2233.5
Oct-89	5004.7	5004.7	3783.6	2744.6
Nov-89	3715.6	3715.6	2809.1	2037.7
Dec-89	1921.5	1921.5	1452.8	1084.6

Month	Navesink/Shrewbury River Head of Tide Nitrogen Load (kg/d)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	161.5	160.1	120.0	53.6
Feb-88	384.4	381.0	285.5	126.8
Mar-88	176.3	174.7	131.1	62.7
Apr-88	92.0	91.2	68.3	34.3
May-88	155.2	153.8	115.4	61.8
Jun-88	12.1	12.0	9.0	4.6
Jul-88	0.0	0.0	0.0	0.0
Aug-88	0.0	0.0	0.0	0.0
Sep-88	0.0	0.0	0.0	0.0
Oct-88	0.0	0.0	0.0	0.0
Nov-88	0.0	0.0	0.0	0.0
Dec-88	0.0	0.0	0.0	0.0
Jan-89	0.0	0.0	0.0	0.0
Feb-89	5.5	5.5	4.1	1.8
Mar-89	180.9	179.3	134.5	64.3
Apr-89	200.6	198.8	148.9	74.9
May-89	573.0	568.0	426.1	228.2
Jun-89	363.7	360.3	270.3	140.1
Jul-89	476.2	471.8	354.0	179.0
Aug-89	306.0	303.4	227.5	119.5
Sep-89	239.7	237.6	178.1	90.5
Oct-89	708.7	702.3	527.1	249.5
Nov-89	390.1	386.8	289.7	153.0
Dec-89	201.2	199.4	149.4	70.7

Month	Navesink/Shrewbury River Head of Tide Carbon Load (kg/d)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	404.8	404.8	308.7	310.2
Feb-88	958.3	958.3	730.7	733.8
Mar-88	459.4	459.4	350.0	362.9
Apr-88	255.6	255.6	195.6	198.5
May-88	461.6	461.6	358.2	356.9
Jun-88	44.2	44.2	36.1	26.9
Jul-88	0.0	0.0	0.0	0.0
Aug-88	0.0	0.0	0.0	0.0
Sep-88	0.0	0.0	0.0	0.0
Oct-88	0.0	0.0	0.0	0.0
Nov-88	0.0	0.0	0.0	0.0
Dec-88	0.0	0.0	0.0	0.0
Jan-89	0.0	0.0	0.0	0.0
Feb-89	13.7	13.7	10.5	10.5
Mar-89	471.3	471.3	359.0	372.3
Apr-89	557.4	557.4	426.4	432.9
May-89	1704.8	1704.8	1322.8	1318.0
Jun-89	1331.1	1331.1	1087.8	811.3
Jul-89	1443.8	1443.8	1122.9	1033.2
Aug-89	1047.7	1047.7	843.3	692.8
Sep-89	703.0	703.0	541.0	524.3
Oct-89	2099.3	2099.3	1631.7	1445.7
Nov-89	1235.2	1235.2	945.6	884.6
Dec-89	533.3	533.3	406.4	408.3



Month	Sawmill River Head of Tide Nitrogen Load (kg/d)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	123.2	119.5	89.6	36.3
Feb-88	283.9	275.2	206.3	83.0
Mar-88	161.6	156.6	117.5	50.9
Apr-88	89.7	87.0	65.2	29.7
May-88	148.7	144.2	108.1	52.4
Jun-88	62.7	60.8	45.6	21.4
Jul-88	99.1	96.1	72.0	33.0
Aug-88	39.8	38.6	29.0	13.8
Sep-88	48.4	46.8	35.1	16.2
Oct-88	47.8	46.3	34.7	14.9
Nov-88	214.4	207.8	155.9	74.5
Dec-88	99.7	96.7	72.5	31.0
Jan-89	100.7	97.7	73.2	29.7
Feb-89	125.8	122.0	91.4	36.8
Mar-89	169.5	164.3	123.3	53.4
Apr-89	227.7	220.8	165.6	75.3
May-89	488.4	473.4	355.0	172.1
Jun-89	195.6	189.6	142.2	66.7
Jul-89	102.1	99.0	74.2	34.0
Aug-89	90.4	87.7	65.7	31.4
Sep-89	75.7	73.3	55.0	25.3
Oct-89	154.3	149.5	112.1	48.2
Nov-89	152.1	147.5	110.6	52.9
Dec-89	63.5	61.6	46.1	19.8

Month	Sawmill River Head of Tide Carbon Load (kg/d)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	308.9	308.9	235.5	236.7
Feb-88	707.7	707.7	539.7	541.9
Mar-88	421.1	421.1	320.7	332.6
Apr-88	249.2	249.2	190.6	193.5
May-88	442.5	442.5	343.3	342.1
Jun-88	229.4	229.4	187.5	139.8
Jul-88	300.6	300.6	233.8	215.1
Aug-88	136.3	136.3	109.7	90.1
Sep-88	141.8	141.8	109.1	105.8
Oct-88	141.5	141.5	110.0	97.5
Nov-88	678.7	678.7	519.6	486.1
Dec-88	264.3	264.3	201.4	202.3
Jan-89	252.5	252.5	192.5	193.4
Feb-89	313.6	313.6	239.2	240.2
Mar-89	441.8	441.8	336.5	348.9
Apr-89	632.7	632.7	484.0	491.4
May-89	1452.8	1452.8	1127.3	1123.2
Jun-89	715.8	715.8	585.0	436.3
Jul-89	309.7	309.7	240.8	221.6
Aug-89	309.6	309.6	249.2	204.7
Sep-89	221.9	221.9	170.8	165.5
Oct-89	457.1	457.1	355.3	314.8
Nov-89	481.6	481.6	368.7	344.9
Dec-89	168.3	168.3	128.2	128.8

Month	Hackensack River Head of Tide Total Nitrogen Concentration (mg/L)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	1.25	1.20	0.90	0.46
Feb-88	1.33	1.28	0.96	0.46
Mar-88	1.50	1.44	1.08	0.46
Apr-88	0.99	0.95	0.72	0.46
May-88	1.11	1.07	0.80	0.46
Jun-88	1.52	1.46	1.10	0.46
Jul-88	1.35	1.30	0.98	0.46
Aug-88	1.35	1.30	0.98	0.46
Sep-88	1.35	1.30	0.97	0.46
Oct-88	1.35	1.30	0.97	0.46
Nov-88	0.83	0.80	0.60	0.46
Dec-88	0.75	0.73	0.55	0.46
Jan-89	1.25	1.20	0.90	0.46
Feb-89	1.33	1.28	0.96	0.46
Mar-89	1.50	1.44	1.08	0.46
Apr-89	0.99	0.95	0.72	0.46
May-89	1.11	1.07	0.80	0.46
Jun-89	1.52	1.46	1.10	0.46
Jul-89	1.35	1.30	0.98	0.46
Aug-89	1.35	1.30	0.98	0.46
Sep-89	1.35	1.30	0.97	0.46
Oct-89	1.35	1.30	0.97	0.46
Nov-89	0.83	0.80	0.60	0.46
Dec-89	0.75	0.73	0.55	0.46

Month	Hackensack River Head of Tide Total Organic Carbon Concentration (mg/L)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	6.19	6.19	4.72	3.30
Feb-88	5.89	5.89	4.49	3.30
Mar-88	5.79	5.79	4.74	3.30
Apr-88	6.62	6.62	5.27	3.29
May-88	6.78	6.78	5.48	3.30
Jun-88	7.47	7.47	6.06	3.31
Jul-88	6.38	6.38	5.09	3.30
Aug-88	6.38	6.38	5.09	3.30
Sep-88	6.38	6.38	5.09	3.30
Oct-88	6.38	6.38	5.09	3.30
Nov-88	6.88	6.88	5.66	3.31
Dec-88	5.92	5.92	4.74	3.30
Jan-89	6.19	6.19	4.72	3.30
Feb-89	5.89	5.89	4.49	3.30
Mar-89	5.79	5.79	4.74	3.30
Apr-89	6.62	6.62	5.27	3.29
May-89	6.78	6.78	5.48	3.30
Jun-89	7.47	7.47	6.06	3.31
Jul-89	6.38	6.38	5.09	3.30
Aug-89	6.38	6.38	5.09	3.30
Sep-89	6.38	6.38	5.09	3.30
Oct-89	6.38	6.38	5.09	3.30
Nov-89	6.88	6.88	5.66	3.31
Dec-89	5.92	5.92	4.74	3.30

Month	Hackensack River Head of Tide Dissolved Oxygen Concentration (mg/L)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	6.0	6.0	6.0	6.0
Feb-88	11.0	11.0	11.0	11.0
Mar-88	13.0	13.0	13.0	13.0
Apr-88	9.0	9.0	9.0	9.0
May-88	5.0	5.0	5.0	5.0
Jun-88	3.5	3.5	3.5	3.5
Jul-88	2.0	2.0	2.0	2.0
Aug-88	4.0	4.0	4.0	4.0
Sep-88	4.5	4.5	4.5	4.5
Oct-88	4.5	4.5	4.5	4.5
Nov-88	7.0	7.0	7.0	7.0
Dec-88	8.0	8.0	8.0	8.0
Jan-89	6.0	6.0	6.0	6.0
Feb-89	11.0	11.0	11.0	11.0
Mar-89	13.0	13.0	13.0	13.0
Apr-89	9.0	9.0	9.0	9.0
May-89	5.0	5.0	5.0	5.0
Jun-89	3.5	3.5	3.5	3.5
Jul-89	2.0	2.0	2.0	2.0
Aug-89	4.0	4.0	4.0	4.0
Sep-89	4.5	4.5	4.5	4.5
Oct-89	4.5	4.5	4.5	4.5
Nov-89	7.0	7.0	7.0	7.0
Dec-89	8.0	8.0	8.0	8.0

Month	Saddle River Head of Tide Total Nitrogen Concentration (mg/L)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	2.20	2.12	1.59	0.16
Feb-88	2.85	2.74	2.06	0.16
Mar-88	2.31	2.22	1.67	0.16
Apr-88	3.30	3.18	2.38	0.16
May-88	4.00	3.85	2.89	0.16
Jun-88	4.69	4.51	3.39	0.16
Jul-88	4.11	3.96	2.97	0.16
Aug-88	4.11	3.96	2.97	0.16
Sep-88	4.11	3.96	2.97	0.16
Oct-88	4.11	3.96	2.97	0.16
Nov-88	2.21	2.12	1.60	0.16
Dec-88	2.49	2.40	1.80	0.16
Jan-89	2.20	2.12	1.59	0.16
Feb-89	2.85	2.74	2.06	0.16
Mar-89	2.31	2.22	1.67	0.16
Apr-89	3.30	3.18	2.38	0.16
May-89	4.00	3.85	2.89	0.16
Jun-89	4.69	4.51	3.39	0.16
Jul-89	4.11	3.96	2.97	0.16
Aug-89	4.11	3.96	2.97	0.16
Sep-89	4.11	3.96	2.97	0.16
Oct-89	4.11	3.96	2.97	0.16
Nov-89	2.21	2.12	1.60	0.16
Dec-89	2.49	2.40	1.80	0.16

Month	Saddle River Head of Tide Total Organic Carbon Concentration (mg/L)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	5.98	5.98	4.55	3.30
Feb-88	4.98	4.98	3.80	3.30
Mar-88	6.06	6.06	4.76	3.30
Apr-88	7.30	7.30	6.07	3.30
May-88	9.05	9.05	7.48	3.31
Jun-88	10.32	10.32	8.60	3.30
Jul-88	13.00	13.00	10.09	3.30
Aug-88	8.46	8.46	6.68	3.30
Sep-88	7.95	7.95	6.31	3.30
Oct-88	7.95	7.95	6.31	3.30
Nov-88	7.76	7.76	6.14	3.30
Dec-88	6.89	6.89	5.40	3.30
Jan-89	5.98	5.98	4.55	3.30
Feb-89	4.98	4.98	3.80	3.30
Mar-89	6.06	6.06	4.76	3.30
Apr-89	7.30	7.30	6.07	3.30
May-89	9.05	9.05	7.48	3.31
Jun-89	10.32	10.32	8.60	3.30
Jul-89	13.00	13.00	10.09	3.30
Aug-89	8.46	8.46	6.68	3.30
Sep-89	7.95	7.95	6.31	3.30
Oct-89	7.95	7.95	6.31	3.30
Nov-89	7.76	7.76	6.14	3.30
Dec-89	6.89	6.89	5.40	3.30

Month	Saddle River Head of Tide Dissolved Oxygen Concentration (mg/L)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	10.0	10.0	10.0	10.0
Feb-88	11.0	11.0	11.0	11.0
Mar-88	11.0	11.0	11.0	11.0
Apr-88	10.5	10.5	10.5	10.5
May-88	5.0	5.0	5.0	5.0
Jun-88	5.5	5.5	5.5	5.5
Jul-88	6.0	6.0	6.0	6.0
Aug-88	7.0	7.0	7.0	7.0
Sep-88	6.0	6.0	6.0	6.0
Oct-88	6.0	6.0	6.0	6.0
Nov-88	10.0	10.0	10.0	10.0
Dec-88	13.0	13.0	13.0	13.0
Jan-89	10.0	10.0	10.0	10.0
Feb-89	11.0	11.0	11.0	11.0
Mar-89	11.0	11.0	11.0	11.0
Apr-89	10.5	10.5	10.5	10.5
May-89	5.0	5.0	5.0	5.0
Jun-89	5.5	5.5	5.5	5.5
Jul-89	6.0	6.0	6.0	6.0
Aug-89	7.0	7.0	7.0	7.0
Sep-89	6.0	6.0	6.0	6.0
Oct-89	6.0	6.0	6.0	6.0
Nov-89	10.0	10.0	10.0	10.0
Dec-89	13.0	13.0	13.0	13.0



Month	Passaic River Head of Tide Total Nitrogen Concentration (mg/L)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	2.20	2.12	1.59	0.48
Feb-88	2.85	2.74	2.06	0.48
Mar-88	2.31	2.22	1.67	0.48
Apr-88	3.30	3.18	2.38	0.48
May-88	4.00	3.85	2.89	0.48
Jun-88	4.69	4.51	3.39	0.48
Jul-88	4.11	3.96	2.97	0.48
Aug-88	4.11	3.96	2.97	0.48
Sep-88	4.11	3.96	2.97	0.48
Oct-88	4.11	3.96	2.97	0.48
Nov-88	2.21	2.12	1.60	0.48
Dec-88	2.49	2.40	1.80	0.48
Jan-89	2.20	2.12	1.59	0.48
Feb-89	2.85	2.74	2.06	0.48
Mar-89	2.31	2.22	1.67	0.48
Apr-89	3.30	3.18	2.38	0.48
May-89	4.00	3.85	2.89	0.48
Jun-89	4.69	4.51	3.39	0.48
Jul-89	4.11	3.96	2.97	0.48
Aug-89	4.11	3.96	2.97	0.48
Sep-89	4.11	3.96	2.97	0.48
Oct-89	4.11	3.96	2.97	0.48
Nov-89	2.21	2.12	1.60	0.48
Dec-89	2.49	2.40	1.80	0.48

Month	Passaic River Head of Tide Total Organic Carbon Concentration (mg/L)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	5.98	5.98	4.55	3.31
Feb-88	4.98	4.98	3.80	3.30
Mar-88	6.06	6.06	4.76	3.30
Apr-88	7.30	7.30	6.07	3.30
May-88	9.05	9.05	7.48	3.31
Jun-88	10.32	10.32	8.60	3.30
Jul-88	13.00	13.00	10.09	3.30
Aug-88	8.46	8.46	6.68	3.29
Sep-88	7.95	7.95	6.31	3.30
Oct-88	7.95	7.95	6.31	3.29
Nov-88	7.76	7.76	6.14	3.31
Dec-88	6.89	6.89	5.40	3.30
Jan-89	5.98	5.98	4.55	3.31
Feb-89	4.98	4.98	3.80	3.30
Mar-89	6.06	6.06	4.76	3.30
Apr-89	7.30	7.30	6.07	3.30
May-89	9.05	9.05	7.48	3.31
Jun-89	10.32	10.32	8.60	3.30
Jul-89	13.00	13.00	10.09	3.30
Aug-89	8.46	8.46	6.68	3.29
Sep-89	7.95	7.95	6.31	3.30
Oct-89	7.95	7.95	6.31	3.29
Nov-89	7.76	7.76	6.14	3.31
Dec-89	6.89	6.89	5.40	3.30

Month	Passaic River Head of Tide Dissolved Oxygen Concentration (mg/L)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	10.0	10.0	10.0	10.0
Feb-88	11.0	11.0	11.0	11.0
Mar-88	11.0	11.0	11.0	11.0
Apr-88	10.5	10.5	10.5	10.5
May-88	5.0	5.0	5.0	5.0
Jun-88	5.5	5.5	5.5	5.5
Jul-88	6.0	6.0	6.0	6.0
Aug-88	7.0	7.0	7.0	7.0
Sep-88	6.0	6.0	6.0	6.0
Oct-88	6.0	6.0	6.0	6.0
Nov-88	10.0	10.0	10.0	10.0
Dec-88	13.0	13.0	13.0	13.0
Jan-89	10.0	10.0	10.0	10.0
Feb-89	11.0	11.0	11.0	11.0
Mar-89	11.0	11.0	11.0	11.0
Apr-89	10.5	10.5	10.5	10.5
May-89	5.0	5.0	5.0	5.0
Jun-89	5.5	5.5	5.5	5.5
Jul-89	6.0	6.0	6.0	6.0
Aug-89	7.0	7.0	7.0	7.0
Sep-89	6.0	6.0	6.0	6.0
Oct-89	6.0	6.0	6.0	6.0
Nov-89	10.0	10.0	10.0	10.0
Dec-89	13.0	13.0	13.0	13.0

Month	Raritan River Head of Tide Total Nitrogen Concentration (mg/L)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	2.49	2.28	1.71	0.15
Feb-88	2.30	2.10	1.58	0.15
Mar-88	2.28	2.09	1.57	0.15
Apr-88	2.50	2.29	1.71	0.15
May-88	1.96	1.80	1.35	0.15
Jun-88	2.44	2.24	1.67	0.15
Jul-88	2.73	2.50	1.87	0.15
Aug-88	2.34	2.14	1.60	0.15
Sep-88	2.34	2.15	1.60	0.15
Oct-88	2.34	2.15	1.60	0.15
Nov-88	2.34	2.15	1.60	0.15
Dec-88	2.79	2.56	1.92	0.15
Jan-89	2.49	2.28	1.71	0.15
Feb-89	2.30	2.10	1.58	0.15
Mar-89	2.28	2.09	1.57	0.15
Apr-89	2.50	2.29	1.71	0.15
May-89	1.96	1.80	1.35	0.15
Jun-89	2.44	2.24	1.67	0.15
Jul-89	2.73	2.50	1.87	0.15
Aug-89	2.34	2.14	1.60	0.15
Sep-89	2.34	2.15	1.60	0.15
Oct-89	2.34	2.15	1.60	0.15
Nov-89	2.34	2.15	1.60	0.15
Dec-89	2.79	2.56	1.92	0.15

Month	Raritan River Head of Tide Total Organic Carbon Concentration (mg/L)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	4.20	4.20	3.19	3.30
Feb-88	4.29	4.29	3.26	3.30
Mar-88	5.76	5.76	4.36	3.30
Apr-88	5.21	5.21	4.16	3.29
May-88	5.49	5.49	4.37	3.30
Jun-88	5.05	5.05	3.83	3.30
Jul-88	9.00	9.00	7.50	3.30
Aug-88	6.02	6.02	4.65	3.30
Sep-88	6.02	6.02	4.55	3.31
Oct-88	6.02	6.02	4.55	3.31
Nov-88	6.02	6.02	4.55	3.31
Dec-88	5.85	5.85	4.43	3.30
Jan-89	4.20	4.20	3.19	3.30
Feb-89	4.29	4.29	3.26	3.30
Mar-89	5.76	5.76	4.36	3.30
Apr-89	5.21	5.21	4.16	3.29
May-89	5.49	5.49	4.37	3.30
Jun-89	5.05	5.05	3.83	3.30
Jul-89	9.00	9.00	7.50	3.30
Aug-89	6.02	6.02	4.65	3.30
Sep-89	6.02	6.02	4.55	3.31
Oct-89	6.02	6.02	4.55	3.31
Nov-89	6.02	6.02	4.55	3.31
Dec-89	5.85	5.85	4.43	3.30

Month	Raritan River Head of Tide Dissolved Oxygen Concentration (mg/L)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	12.0	12.0	12.0	12.0
Feb-88	12.0	12.0	12.0	12.0
Mar-88	14.0	14.0	14.0	14.0
Apr-88	14.0	14.0	14.0	14.0
May-88	3.5	3.5	3.5	3.5
Jun-88	5.3	5.3	5.3	5.3
Jul-88	7.0	7.0	7.0	7.0
Aug-88	4.5	4.5	4.5	4.5
Sep-88	8.0	8.0	8.0	8.0
Oct-88	8.0	8.0	8.0	8.0
Nov-88	10.0	10.0	10.0	10.0
Dec-88	12.0	12.0	12.0	12.0
Jan-89	12.0	12.0	12.0	12.0
Feb-89	12.0	12.0	12.0	12.0
Mar-89	14.0	14.0	14.0	14.0
Apr-89	14.0	14.0	14.0	14.0
May-89	3.5	3.5	3.5	3.5
Jun-89	5.3	5.3	5.3	5.3
Jul-89	7.0	7.0	7.0	7.0
Aug-89	4.5	4.5	4.5	4.5
Sep-89	8.0	8.0	8.0	8.0
Oct-89	8.0	8.0	8.0	8.0
Nov-89	10.0	10.0	10.0	10.0
Dec-89	12.0	12.0	12.0	12.0

Month	South River Head of Tide Total Nitrogen Concentration (mg/L)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	2.49	2.28	1.71	0.51
Feb-88	2.30	2.10	1.58	0.51
Mar-88	2.28	2.09	1.57	0.51
Apr-88	2.50	2.29	1.71	0.51
May-88	1.96	1.80	1.35	0.51
Jun-88	2.44	2.24	1.67	0.51
Jul-88	2.73	2.50	1.87	0.51
Aug-88	2.34	2.14	1.60	0.51
Sep-88	2.34	2.15	1.60	0.51
Oct-88	2.34	2.15	1.60	0.51
Nov-88	2.34	2.15	1.60	0.51
Dec-88	2.79	2.56	1.92	0.51
Jan-89	2.49	2.28	1.71	0.51
Feb-89	2.30	2.10	1.58	0.51
Mar-89	2.28	2.09	1.57	0.51
Apr-89	2.50	2.29	1.71	0.51
May-89	1.96	1.80	1.35	0.51
Jun-89	2.44	2.24	1.67	0.51
Jul-89	2.73	2.50	1.87	0.51
Aug-89	2.34	2.14	1.60	0.51
Sep-89	2.34	2.15	1.60	0.51
Oct-89	2.34	2.15	1.60	0.51
Nov-89	2.34	2.15	1.60	0.51
Dec-89	2.79	2.56	1.92	0.51

Month	South River Head of Tide Total Organic Carbon Concentration (mg/L)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	4.20	4.20	3.19	3.30
Feb-88	4.29	4.29	3.26	3.30
Mar-88	5.76	5.76	4.36	3.31
Apr-88	5.21	5.21	4.16	3.31
May-88	5.49	5.49	4.37	3.30
Jun-88	5.05	5.05	3.83	3.30
Jul-88	9.00	9.00	7.50	3.31
Aug-88	6.02	6.02	4.65	3.29
Sep-88	6.02	6.02	4.55	3.30
Oct-88	6.02	6.02	4.55	3.30
Nov-88	6.02	6.02	4.55	3.30
Dec-88	5.85	5.85	4.43	3.30
Jan-89	4.20	4.20	3.19	3.30
Feb-89	4.29	4.29	3.26	3.30
Mar-89	5.76	5.76	4.36	3.31
Apr-89	5.21	5.21	4.16	3.31
May-89	5.49	5.49	4.37	3.30
Jun-89	5.05	5.05	3.83	3.30
Jul-89	9.00	9.00	7.50	3.31
Aug-89	6.02	6.02	4.65	3.29
Sep-89	6.02	6.02	4.55	3.30
Oct-89	6.02	6.02	4.55	3.30
Nov-89	6.02	6.02	4.55	3.30
Dec-89	5.85	5.85	4.43	3.30



Month	South River Head of Tide Dissolved Oxygen Concentration (mg/L)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	12.0	12.0	12.0	12.0
Feb-88	12.0	12.0	12.0	12.0
Mar-88	14.0	14.0	14.0	14.0
Apr-88	14.0	14.0	14.0	14.0
May-88	3.5	3.5	3.5	3.5
Jun-88	5.3	5.3	5.3	5.3
Jul-88	7.0	7.0	7.0	7.0
Aug-88	4.5	4.5	4.5	4.5
Sep-88	8.0	8.0	8.0	8.0
Oct-88	8.0	8.0	8.0	8.0
Nov-88	10.0	10.0	10.0	10.0
Dec-88	12.0	12.0	12.0	12.0
Jan-89	12.0	12.0	12.0	12.0
Feb-89	12.0	12.0	12.0	12.0
Mar-89	14.0	14.0	14.0	14.0
Apr-89	14.0	14.0	14.0	14.0
May-89	3.5	3.5	3.5	3.5
Jun-89	5.3	5.3	5.3	5.3
Jul-89	7.0	7.0	7.0	7.0
Aug-89	4.5	4.5	4.5	4.5
Sep-89	8.0	8.0	8.0	8.0
Oct-89	8.0	8.0	8.0	8.0
Nov-89	10.0	10.0	10.0	10.0
Dec-89	12.0	12.0	12.0	12.0

Month	Navesink/Shrewbury River Head of Tide Total Nitrogen Concentration (mg/L)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	1.72	1.70	1.28	0.57
Feb-88	1.73	1.71	1.28	0.57
Mar-88	1.60	1.59	1.19	0.57
Apr-88	1.53	1.52	1.14	0.57
May-88	1.43	1.42	1.07	0.57
Jun-88	1.48	1.47	1.10	0.57
Jul-88	1.52	1.51	1.13	0.57
Aug-88	1.46	1.44	1.08	0.57
Sep-88	1.51	1.50	1.12	0.57
Oct-88	1.62	1.60	1.20	0.57
Nov-88	1.45	1.44	1.08	0.57
Dec-88	1.63	1.61	1.21	0.57
Jan-89	1.72	1.70	1.28	0.57
Feb-89	1.73	1.71	1.28	0.57
Mar-89	1.60	1.59	1.19	0.57
Apr-89	1.53	1.52	1.14	0.57
May-89	1.43	1.42	1.07	0.57
Jun-89	1.48	1.47	1.10	0.57
Jul-89	1.52	1.51	1.13	0.57
Aug-89	1.46	1.44	1.08	0.57
Sep-89	1.51	1.50	1.12	0.57
Oct-89	1.62	1.60	1.20	0.57
Nov-89	1.45	1.44	1.08	0.57
Dec-89	1.63	1.61	1.21	0.57

Month	Navesink/Shrewbury River Head of Tide Total Organic Carbon Concentration (mg/L)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	4.30	4.30	3.29	3.29
Feb-88	4.31	4.31	3.29	3.30
Mar-88	4.18	4.18	3.19	3.30
Apr-88	4.25	4.25	3.25	3.30
May-88	4.27	4.27	3.31	3.30
Jun-88	5.42	5.42	4.43	3.31
Jul-88	4.60	4.60	3.59	3.30
Aug-88	4.99	4.99	4.01	3.30
Sep-88	4.43	4.43	3.41	3.31
Oct-88	4.79	4.79	3.73	3.30
Nov-88	4.61	4.61	3.52	3.30
Dec-88	4.30	4.30	3.28	3.30
Jan-89	4.30	4.30	3.29	3.29
Feb-89	4.31	4.31	3.29	3.30
Mar-89	4.18	4.18	3.19	3.30
Apr-89	4.25	4.25	3.25	3.30
May-89	4.27	4.27	3.31	3.30
Jun-89	5.42	5.42	4.43	3.31
Jul-89	4.60	4.60	3.59	3.30
Aug-89	4.99	4.99	4.01	3.30
Sep-89	4.43	4.43	3.41	3.31
Oct-89	4.79	4.79	3.73	3.30
Nov-89	4.61	4.61	3.52	3.30
Dec-89	4.30	4.30	3.28	3.30

Month	Navesink/Shrewbury River Head of Tide Dissolved Oxygen Concentration (mg/L)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	13.4	13.4	13.4	13.4
Feb-88	13.6	13.6	13.6	13.6
Mar-88	14.9	14.9	14.9	14.9
Apr-88	11.5	11.5	11.5	11.5
May-88	11.0	11.0	11.0	11.0
Jun-88	10.0	10.0	10.0	10.0
Jul-88	9.4	9.4	9.4	9.4
Aug-88	9.8	9.8	9.8	9.8
Sep-88	9.6	9.6	9.6	9.6
Oct-88	9.6	9.6	9.6	9.6
Nov-88	11.3	11.3	11.3	11.3
Dec-88	12.6	12.6	12.6	12.6
Jan-89	13.4	13.4	13.4	13.4
Feb-89	13.6	13.6	13.6	13.6
Mar-89	14.9	14.9	14.9	14.9
Apr-89	11.5	11.5	11.5	11.5
May-89	11.0	11.0	11.0	11.0
Jun-89	10.0	10.0	10.0	10.0
Jul-89	9.4	9.4	9.4	9.4
Aug-89	9.8	9.8	9.8	9.8
Sep-89	9.6	9.6	9.6	9.6
Oct-89	9.6	9.6	9.6	9.6
Nov-89	11.3	11.3	11.3	11.3
Dec-89	12.6	12.6	12.6	12.6

Month	Sawmill River Head of Tide Total Nitrogen Concentration (mg/L)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	1.72	1.66	1.25	0.51
Feb-88	1.73	1.68	1.26	0.51
Mar-88	1.60	1.56	1.17	0.51
Apr-88	1.53	1.48	1.11	0.51
May-88	1.43	1.39	1.04	0.51
Jun-88	1.48	1.44	1.08	0.51
Jul-88	1.52	1.47	1.10	0.51
Aug-88	1.46	1.41	1.06	0.51
Sep-88	1.51	1.46	1.10	0.51
Oct-88	1.62	1.57	1.18	0.51
Nov-88	1.45	1.41	1.06	0.51
Dec-88	1.63	1.58	1.18	0.51
Jan-89	1.72	1.66	1.25	0.51
Feb-89	1.73	1.68	1.26	0.51
Mar-89	1.60	1.56	1.17	0.51
Apr-89	1.53	1.48	1.11	0.51
May-89	1.43	1.39	1.04	0.51
Jun-89	1.48	1.44	1.08	0.51
Jul-89	1.52	1.47	1.10	0.51
Aug-89	1.46	1.41	1.06	0.51
Sep-89	1.51	1.46	1.10	0.51
Oct-89	1.62	1.57	1.18	0.51
Nov-89	1.45	1.41	1.06	0.51
Dec-89	1.63	1.58	1.18	0.51

Month	Sawmill River Head of Tide Total Organic Carbon Concentration (mg/L)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	4.30	4.30	3.29	3.29
Feb-88	4.31	4.31	3.29	3.30
Mar-88	4.18	4.18	3.19	3.30
Apr-88	4.25	4.25	3.25	3.30
May-88	4.27	4.27	3.31	3.30
Jun-88	5.42	5.42	4.43	3.31
Jul-88	4.60	4.60	3.59	3.30
Aug-88	4.99	4.99	4.01	3.30
Sep-88	4.43	4.43	3.41	3.31
Oct-88	4.79	4.79	3.73	3.30
Nov-88	4.61	4.61	3.52	3.30
Dec-88	4.30	4.30	3.28	3.30
Jan-89	4.30	4.30	3.29	3.29
Feb-89	4.31	4.31	3.29	3.30
Mar-89	4.18	4.18	3.19	3.30
Apr-89	4.25	4.25	3.25	3.30
May-89	4.27	4.27	3.31	3.30
Jun-89	5.42	5.42	4.43	3.31
Jul-89	4.60	4.60	3.59	3.30
Aug-89	4.99	4.99	4.01	3.30
Sep-89	4.43	4.43	3.41	3.31
Oct-89	4.79	4.79	3.73	3.30
Nov-89	4.61	4.61	3.52	3.30
Dec-89	4.30	4.30	3.28	3.30

Month	Sawmill River Head of Tide Dissolved Oxygen Concentration (mg/L)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	13.4	13.4	13.4	13.4
Feb-88	13.6	13.6	13.6	13.6
Mar-88	14.9	14.9	14.9	14.9
Apr-88	11.5	11.5	11.5	11.5
May-88	11.0	11.0	11.0	11.0
Jun-88	10.0	10.0	10.0	10.0
Jul-88	9.4	9.4	9.4	9.4
Aug-88	9.8	9.8	9.8	9.8
Sep-88	9.6	9.6	9.6	9.6
Oct-88	9.6	9.6	9.6	9.6
Nov-88	11.3	11.3	11.3	11.3
Dec-88	12.6	12.6	12.6	12.6
Jan-89	13.4	13.4	13.4	13.4
Feb-89	13.6	13.6	13.6	13.6
Mar-89	14.9	14.9	14.9	14.9
Apr-89	11.5	11.5	11.5	11.5
May-89	11.0	11.0	11.0	11.0
Jun-89	10.0	10.0	10.0	10.0
Jul-89	9.4	9.4	9.4	9.4
Aug-89	9.8	9.8	9.8	9.8
Sep-89	9.6	9.6	9.6	9.6
Oct-89	9.6	9.6	9.6	9.6
Nov-89	11.3	11.3	11.3	11.3
Dec-89	12.6	12.6	12.6	12.6

Month	Hackensack River Storm Water Nitrogen Load (kg)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	26252	24509	24509	7461
Feb-88	29248	27306	27306	8312
Mar-88	14981	13986	13986	4257
Apr-88	13340	12454	12454	3791
May-88	40876	38162	38162	11617
Jun-88	7276	6793	6793	2068
Jul-88	71052	66334	66334	20192
Aug-88	12698	11855	11855	3609
Sep-88	11842	11056	11056	3365
Oct-88	17121	15984	15984	4866
Nov-88	54430	50816	50816	15468
Dec-88	6920	6460	6460	1967
Jan-89	13411	12521	12521	3811
Feb-89	19118	17849	17849	5433
Mar-89	31460	29371	29371	8940
Apr-89	22828	21312	21312	6487
May-89	62991	58808	58808	17901
Jun-89	37951	35431	35431	10785
Jul-89	37167	34699	34699	10562
Aug-89	49651	46354	46354	14110
Sep-89	45941	42891	42890	13056
Oct-89	38451	35898	35897	10927
Nov-89	18048	16850	16850	5129
Dec-89	4637	4329	4329	1318



Month	Hackensack River Storm Water Carbon Load (kg)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	238204	238204	238204	48752
Feb-88	265390	265390	265390	54316
Mar-88	135932	135932	135932	27820
Apr-88	121044	121044	121044	24773
May-88	370899	370899	370899	75910
Jun-88	66024	66024	66024	13513
Jul-88	644705	644705	644705	131948
Aug-88	115218	115218	115218	23581
Sep-88	107451	107451	107451	21991
Oct-88	155351	155351	155351	31795
Nov-88	493885	493885	493885	101081
Dec-88	62787	62787	62788	12850
Jan-89	121691	121691	121691	24906
Feb-89	173475	173475	173475	35504
Mar-89	285457	285457	285457	58423
Apr-89	207134	207134	207134	42393
May-89	571560	571560	571560	116978
Jun-89	344360	344360	344360	70478
Jul-89	337240	337240	337240	69021
Aug-89	450517	450517	450517	92204
Sep-89	416857	416857	416857	85316
Oct-89	348891	348891	348891	71405
Nov-89	163765	163765	163765	33517
Dec-89	42074	42074	42074	8611

Month	Hackensack River CSO Nitrogen Load (kg)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	12617	12617	5047	0
Feb-88	14057	14057	5623	0
Mar-88	7200	7200	2880	0
Apr-88	6411	6411	2565	0
May-88	19645	19645	7858	0
Jun-88	3497	3497	1399	0
Jul-88	34148	34148	13659	0
Aug-88	6103	6103	2441	0
Sep-88	5691	5691	2277	0
Oct-88	8228	8228	3291	0
Nov-88	26160	26160	10464	0
Dec-88	3326	3326	1330	0
Jan-89	6446	6446	2578	0
Feb-89	9188	9188	3675	0
Mar-89	15120	15120	6048	0
Apr-89	10971	10971	4389	0
May-89	30274	30274	12109	0
Jun-89	18240	18240	7296	0
Jul-89	17863	17863	7145	0
Aug-89	23862	23862	9545	0
Sep-89	22080	22080	8832	0
Oct-89	18480	18480	7392	0
Nov-89	8674	8674	3470	0
Dec-89	2229	2229	891	0

Month	Hackensack River CSO Carbon Load (kg)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	79279	79279	31712	0
Feb-88	88327	88327	35331	0
Mar-88	45241	45241	18096	0
Apr-88	40286	40286	16114	0
May-88	123443	123443	49377	0
Jun-88	21974	21974	8790	0
Jul-88	214571	214571	85828	0
Aug-88	38347	38347	15339	0
Sep-88	35762	35762	14305	0
Oct-88	51704	51704	20681	0
Nov-88	164375	164375	65750	0
Dec-88	20897	20897	8359	0
Jan-89	40501	40501	16200	0
Feb-89	57736	57736	23094	0
Mar-89	95006	95006	38002	0
Apr-89	68938	68938	27575	0
May-89	190227	190227	76091	0
Jun-89	114610	114610	45844	0
Jul-89	112240	112240	44896	0
Aug-89	149941	149941	59976	0
Sep-89	138738	138738	55495	0
Oct-89	116118	116118	46447	0
Nov-89	54504	54504	21802	0
Dec-89	14003	14003	5601	0

Month	Passaic River Storm Water Nitrogen Load (kg)			
	Baseline	Baseline + CAIR + LISS TMDL	HydroQual Scenario	Pastoral
		+ JB Consent Order		
Jan-88	16366	15279	15279	4651
Feb-88	18234	17023	17023	5182
Mar-88	9339	8719	8719	2654
Apr-88	8317	7764	7764	2363
May-88	25483	23791	23791	7242
Jun-88	4536	4235	4235	1289
Jul-88	44296	41354	41354	12588
Aug-88	7916	7391	7391	2250
Sep-88	7383	6892	6892	2098
Oct-88	10674	9965	9965	3033
Nov-88	33933	31680	31680	9643
Dec-88	4314	4027	4027	1226
Jan-89	8361	7806	7806	2376
Feb-89	11919	11127	11127	3387
Mar-89	19613	18311	18310	5574
Apr-89	14231	13287	13286	4044
May-89	39270	36663	36662	11160
Jun-89	23660	22089	22089	6724
Jul-89	23171	21632	21632	6585
Aug-89	30953	28898	28898	8797
Sep-89	28641	26739	26739	8139
Oct-89	23971	22380	22379	6812
Nov-89	11252	10505	10505	3198
Dec-89	2891	2699	2699	821

Month	Passaic River Storm Water Carbon Load (kg)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	148503	148503	148503	30393
Feb-88	165451	165451	165451	33862
Mar-88	84743	84743	84743	17344
Apr-88	75462	75462	75462	15444
May-88	231228	231228	231228	47324
Jun-88	41161	41161	41161	8424
Jul-88	401925	401925	401925	82260
Aug-88	71830	71830	71830	14701
Sep-88	66988	66988	66988	13710
Oct-88	96849	96849	96849	19822
Nov-88	307901	307901	307901	63016
Dec-88	39143	39143	39143	8011
Jan-89	75865	75865	75865	15527
Feb-89	108149	108149	108149	22134
Mar-89	177961	177961	177961	36422
Apr-89	129133	129133	129133	26429
May-89	356325	356325	356325	72927
Jun-89	214683	214683	214683	43938
Jul-89	210244	210244	210244	43029
Aug-89	280864	280864	280863	57483
Sep-89	259879	259879	259879	53188
Oct-89	217508	217508	217508	44516
Nov-89	102096	102096	102095	20895
Dec-89	26230	26230	26230	5368

Month	Passaic River CSO Nitrogen Load (kg)			
		Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
	Baseline			
Jan-88	14048	14048	5619	0
Feb-88	15651	15651	6261	0
Mar-88	8017	8017	3207	0
Apr-88	7139	7139	2855	0
May-88	21874	21874	8749	0
Jun-88	3894	3894	1558	0
Jul-88	38021	38021	15209	0
Aug-88	6795	6795	2718	0
Sep-88	6337	6337	2535	0
Oct-88	9162	9162	3665	0
Nov-88	29127	29127	11651	0
Dec-88	3703	3703	1481	0
Jan-89	7177	7177	2871	0
Feb-89	10231	10231	4092	0
Mar-89	16835	16835	6734	0
Apr-89	12216	12216	4886	0
May-89	33708	33708	13483	0
Jun-89	20309	20309	8123	0
Jul-89	19889	19889	7955	0
Aug-89	26569	26569	10628	0
Sep-89	24584	24584	9834	0
Oct-89	20576	20576	8230	0
Nov-89	9658	9658	3863	0
Dec-89	2481	2481	993	0

Month	Passaic River CSO Carbon Load (kg)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	88271	88271	35309	0
Feb-88	98346	98346	39338	0
Mar-88	50372	50372	20149	0
Apr-88	44855	44855	17942	0
May-88	137444	137444	54978	0
Jun-88	24467	24467	9787	0
Jul-88	238909	238909	95563	0
Aug-88	42697	42697	17079	0
Sep-88	39818	39818	15927	0
Oct-88	57568	57568	23027	0
Nov-88	183019	183019	73208	0
Dec-88	23267	23267	9307	0
Jan-89	45095	45095	18038	0
Feb-89	64285	64285	25714	0
Mar-89	105782	105782	42313	0
Apr-89	76758	76758	30703	0
May-89	211804	211804	84721	0
Jun-89	127610	127610	51044	0
Jul-89	124971	124971	49989	0
Aug-89	166948	166948	66779	0
Sep-89	154475	154475	61790	0
Oct-89	129289	129289	51716	0
Nov-89	60687	60687	24275	0
Dec-89	15591	15591	6237	0

Month	Newark Bay Storm Water Nitrogen Load (kg)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	4427	4133	4133	1258
Feb-88	4932	4604	4604	1402
Mar-88	2526	2358	2358	718
Apr-88	2249	2100	2100	639
May-88	6892	6435	6435	1959
Jun-88	1227	1145	1146	349
Jul-88	11981	11185	11185	3405
Aug-88	2141	1999	1999	608
Sep-88	1997	1864	1864	567
Oct-88	2887	2695	2695	820
Nov-88	9178	8568	8568	2608
Dec-88	1167	1089	1089	332
Jan-89	2261	2111	2111	643
Feb-89	3224	3010	3010	916
Mar-89	5305	4952	4952	1508
Apr-89	3849	3594	3594	1094
May-89	10621	9916	9916	3018
Jun-89	6399	5974	5974	1819
Jul-89	6267	5851	5851	1781
Aug-89	8372	7816	7816	2379
Sep-89	7746	7232	7232	2201
Oct-89	6483	6053	6053	1842
Nov-89	3043	2841	2841	865
Dec-89	782	730	730	222



Month	Newark Bay Storm Water Carbon Load (kg)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	40165	40165	40165	8220
Feb-88	44749	44749	44749	9159
Mar-88	22920	22920	22920	4691
Apr-88	20410	20410	20410	4177
May-88	62540	62540	62540	12800
Jun-88	11133	11133	11133	2278
Jul-88	108708	108708	108708	22249
Aug-88	19428	19428	19428	3976
Sep-88	18118	18118	18118	3708
Oct-88	26195	26195	26195	5361
Nov-88	83277	83277	83277	17044
Dec-88	10587	10587	10587	2167
Jan-89	20519	20519	20519	4200
Feb-89	29251	29251	29251	5987
Mar-89	48133	48133	48133	9851
Apr-89	34926	34926	34926	7148
May-89	96375	96375	96375	19724
Jun-89	58065	58065	58065	11884
Jul-89	56864	56864	56864	11638
Aug-89	75965	75965	75965	15547
Sep-89	70289	70289	70289	14386
Oct-89	58829	58829	58829	12040
Nov-89	27614	27614	27614	5652
Dec-89	7094	7094	7094	1452

Month	Newark Bay CSO Nitrogen Load (kg)			
	Baseline	Baseline + CAIR	HydroQual Scenario	Pastoral
		+ LISS TMDL + JB Consent Order		
Jan-88	4554	4554	1822	0
Feb-88	5074	5074	2030	0
Mar-88	2599	2599	1040	0
Apr-88	2314	2314	926	0
May-88	7091	7091	2836	0
Jun-88	1262	1262	505	0
Jul-88	12326	12326	4930	0
Aug-88	2203	2203	881	0
Sep-88	2054	2054	822	0
Oct-88	2970	2970	1188	0
Nov-88	9442	9442	3777	0
Dec-88	1200	1200	480	0
Jan-89	2327	2327	931	0
Feb-89	3317	3317	1327	0
Mar-89	5457	5457	2183	0
Apr-89	3960	3960	1584	0
May-89	10927	10927	4371	0
Jun-89	6584	6584	2633	0
Jul-89	6447	6447	2579	0
Aug-89	8613	8613	3445	0
Sep-89	7970	7970	3188	0
Oct-89	6670	6670	2668	0
Nov-89	3131	3131	1252	0
Dec-89	804	804	322	0

Month	Newark Bay CSO Carbon Load (kg)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	28615	28615	11446	0
Feb-88	31881	31881	12753	0
Mar-88	16329	16329	6532	0
Apr-88	14541	14541	5816	0
May-88	44556	44556	17822	0
Jun-88	7931	7931	3173	0
Jul-88	77448	77448	30979	0
Aug-88	13841	13841	5536	0
Sep-88	12908	12908	5163	0
Oct-88	18662	18662	7465	0
Nov-88	59330	59330	23732	0
Dec-88	7543	7543	3017	0
Jan-89	14619	14619	5847	0
Feb-89	20839	20839	8336	0
Mar-89	34292	34292	13717	0
Apr-89	24883	24883	9953	0
May-89	68662	68662	27465	0
Jun-89	41368	41368	16547	0
Jul-89	40513	40513	16205	0
Aug-89	54121	54121	21648	0
Sep-89	50077	50077	20031	0
Oct-89	41912	41912	16765	0
Nov-89	19673	19673	7869	0
Dec-89	5054	5054	2022	0

Month	Arthur Kill and Kill Van Kull Storm Water Nitrogen Load (kg)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	22103	20635	20635	6282
Feb-88	24626	22990	22990	7011
Mar-88	12613	11776	11776	3587
Apr-88	11232	10486	10486	3201
May-88	34416	32130	32130	9811
Jun-88	6126	5720	5719	1741
Jul-88	59822	55850	55850	17123
Aug-88	10691	9981	9981	3053
Sep-88	9970	9308	9308	2835
Oct-88	14415	13458	13458	4097
Nov-88	45828	42785	42784	13072
Dec-88	5826	5439	5439	1656
Jan-89	11292	10542	10542	3210
Feb-89	16097	15028	15028	4577
Mar-89	26487	24729	24729	7534
Apr-89	19220	17944	17943	5462
May-89	53035	49513	49513	15106
Jun-89	31953	29831	29831	9116
Jul-89	31292	29215	29215	8943
Aug-89	41803	39028	39027	11936
Sep-89	38680	36112	36112	11035
Oct-89	32374	30224	30224	9218
Nov-89	15196	14187	14187	4319
Dec-89	3904	3645	3645	1109

Month	Arthur Kill and Kill Van Kull Storm Water Carbon Load (kg)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	200554	200554	200554	41053
Feb-88	223445	223445	223445	45816
Mar-88	114447	114447	114447	23443
Apr-88	101912	101912	101912	20919
May-88	312278	312278	312278	64108
Jun-88	55588	55588	55588	11377
Jul-88	542809	542809	542809	111895
Aug-88	97008	97008	97008	19952
Sep-88	90468	90468	90468	18526
Oct-88	130797	130797	130798	26770
Nov-88	415827	415827	415827	85421
Dec-88	52864	52864	52864	10819
Jan-89	102457	102457	102457	20979
Feb-89	146056	146056	146056	29912
Mar-89	240340	240339	240339	49234
Apr-89	174395	174395	174395	35692
May-89	481224	481224	481224	98711
Jun-89	289934	289933	289934	59566
Jul-89	283940	283940	283940	58440
Aug-89	379312	379312	379312	77997
Sep-89	350972	350972	350972	72112
Oct-89	293748	293748	293748	60236
Nov-89	137882	137882	137882	28226
Dec-89	35424	35424	35424	7250

Month	Arthur Kill and Kill Van Kull CSO Nitrogen Load (kg)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	16851	16851	6740	0
Feb-88	19055	19055	7622	0
Mar-88	9679	9679	3872	0
Apr-88	8781	8781	3513	0
May-88	26914	26914	10766	0
Jun-88	4663	4663	1865	0
Jul-88	48346	48346	19339	0
Aug-88	8472	8472	3389	0
Sep-88	7629	7629	3052	0
Oct-88	10971	10971	4388	0
Nov-88	36059	36059	14424	0
Dec-88	4434	4434	1774	0
Jan-89	8631	8631	3452	0
Feb-89	12326	12326	4930	0
Mar-89	20340	20340	8136	0
Apr-89	14628	14628	5851	0
May-89	41145	41145	16458	0
Jun-89	25161	25161	10064	0
Jul-89	24943	24943	9977	0
Aug-89	33153	33153	13261	0
Sep-89	30485	30485	12194	0
Oct-89	25072	25072	10029	0
Nov-89	11592	11592	4637	0
Dec-89	2971	2971	1189	0

Month	Arthur Kill and Kill Van Kull CSO Carbon Load (kg)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	105882	105882	42353	0
Feb-88	119734	119734	47894	0
Mar-88	60817	60817	24327	0
Apr-88	55178	55178	22071	0
May-88	169116	169116	67646	0
Jun-88	29298	29298	11719	0
Jul-88	303788	303788	121515	0
Aug-88	53237	53237	21295	0
Sep-88	47937	47937	19175	0
Oct-88	68936	68936	27574	0
Nov-88	226578	226578	90631	0
Dec-88	27862	27862	11145	0
Jan-89	54231	54231	21692	0
Feb-89	77448	77448	30979	0
Mar-89	127805	127805	51122	0
Apr-89	91914	91914	36766	0
May-89	258539	258539	103416	0
Jun-89	158102	158102	63241	0
Jul-89	156728	156728	62691	0
Aug-89	208320	208320	83328	0
Sep-89	191554	191554	76621	0
Oct-89	157538	157538	63015	0
Nov-89	72841	72841	29136	0
Dec-89	18670	18670	7468	0

Month	Raritan River and Raritan Bay Storm Water Nitrogen Load (kg)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	25316	23635	23635	7194
Feb-88	28205	26333	26333	8015
Mar-88	14447	13487	13487	4106
Apr-88	12864	12010	12010	3656
May-88	39418	36801	36801	11202
Jun-88	7017	6551	6551	1994
Jul-88	68517	63967	63967	19472
Aug-88	12245	11432	11432	3480
Sep-88	11420	10661	10661	3245
Oct-88	16510	15414	15414	4692
Nov-88	52489	49003	49003	14917
Dec-88	6673	6230	6230	1896
Jan-89	12933	12074	12074	3675
Feb-89	18437	17213	17213	5239
Mar-89	30337	28323	28323	8622
Apr-89	22014	20552	20552	6256
May-89	60744	56710	56710	17263
Jun-89	36598	34168	34168	10401
Jul-89	35841	33461	33461	10185
Aug-89	47879	44700	44700	13607
Sep-89	44302	41361	41360	12590
Oct-89	37079	34617	34617	10537
Nov-89	17405	16249	16249	4946
Dec-89	4472	4175	4175	1271



Month	Raritan River and Raritan Bay Storm Water Carbon Load (kg)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	229707	229707	229707	47013
Feb-88	255928	255928	255928	52379
Mar-88	131085	131085	131085	26828
Apr-88	116728	116728	116728	23890
May-88	357672	357672	357672	73203
Jun-88	63669	63669	63669	13031
Jul-88	621705	621705	621705	127241
Aug-88	111109	111109	111109	22740
Sep-88	103617	103617	103617	21207
Oct-88	149810	149810	149810	30661
Nov-88	476269	476269	476269	97475
Dec-88	60549	60549	60549	12392
Jan-89	117351	117352	117352	24018
Feb-89	167291	167291	167291	34238
Mar-89	275274	275274	275274	56339
Apr-89	199749	199749	199749	40882
May-89	551172	551172	551172	112805
Jun-89	332079	332078	332078	67965
Jul-89	325207	325207	325207	66558
Aug-89	434444	434444	434444	88915
Sep-89	401985	401985	401985	82272
Oct-89	336446	336446	336446	68858
Nov-89	157926	157926	157926	32322
Dec-89	40575	40575	40575	8304

Month	Raritan River and Raritan Bay CSO Nitrogen Load (kg)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	3931	3931	1573	0
Feb-88	4380	4380	1752	0
Mar-88	2243	2243	897	0
Apr-88	1998	1998	799	0
May-88	6121	6121	2448	0
Jun-88	1090	1090	436	0
Jul-88	10640	10640	4256	0
Aug-88	1902	1902	761	0
Sep-88	1773	1773	709	0
Oct-88	2564	2564	1026	0
Nov-88	8151	8151	3260	0
Dec-88	1036	1036	415	0
Jan-89	2008	2008	803	0
Feb-89	2863	2863	1145	0
Mar-89	4711	4711	1884	0
Apr-89	3418	3418	1367	0
May-89	9433	9433	3773	0
Jun-89	5683	5683	2273	0
Jul-89	5566	5566	2226	0
Aug-89	7435	7435	2974	0
Sep-89	6880	6880	2752	0
Oct-89	5758	5758	2303	0
Nov-89	2703	2703	1081	0
Dec-89	694	694	278	0

Month	Raritan River and Raritan Bay CSO Carbon Load (kg)			
	Baseline	Baseline + CAIR + LISS TMDL	HydroQual Scenario	Pastoral
		+ JB Consent Order		
Jan-88	24702	24702	9881	0
Feb-88	27522	27522	11009	0
Mar-88	14096	14096	5639	0
Apr-88	12553	12553	5021	0
May-88	38463	38463	15385	0
Jun-88	6847	6847	2739	0
Jul-88	66857	66857	26743	0
Aug-88	11948	11948	4779	0
Sep-88	11143	11143	4457	0
Oct-88	16110	16110	6444	0
Nov-88	51217	51217	20487	0
Dec-88	6511	6511	2604	0
Jan-89	12620	12620	5048	0
Feb-89	17990	17990	7196	0
Mar-89	29602	29602	11841	0
Apr-89	21480	21480	8592	0
May-89	59272	59272	23709	0
Jun-89	35711	35711	14284	0
Jul-89	34972	34972	13989	0
Aug-89	46719	46719	18688	0
Sep-89	43229	43229	17292	0
Oct-89	36181	36181	14472	0
Nov-89	16983	16983	6793	0
Dec-89	4363	4363	1745	0

Month	Hudson River Below Tappan Zee and Upper Bay Storm Water Nitrogen Load (kg)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	7615	7109	7109	2449
Feb-88	8456	7895	7895	2860
Mar-88	4338	4050	4050	1462
Apr-88	3922	3662	3662	1342
May-88	11718	10940	10940	3980
Jun-88	2161	2017	2017	710
Jul-88	20239	18895	18895	7099
Aug-88	3753	3504	3504	1409
Sep-88	3584	3346	3346	1389
Oct-88	5204	4858	4858	2053
Nov-88	16033	14968	14968	6053
Dec-88	2030	1895	1895	674
Jan-89	3971	3707	3707	1341
Feb-89	5619	5246	5246	1870
Mar-89	9210	8598	8598	3240
Apr-89	6823	6370	6370	2362
May-89	18578	17344	17344	6814
Jun-89	11635	10863	10863	4850
Jul-89	10724	10012	10012	3882
Aug-89	14662	13689	13689	5734
Sep-89	13384	12495	12495	5057
Oct-89	11537	10771	10771	4423
Nov-89	5285	4934	4934	1698
Dec-89	1365	1274	1274	448

Month	Hudson River Below Tappan Zee and Upper Bay Storm Water Carbon Load (kg)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	69095	69095	69095	16002
Feb-88	76728	76728	76728	18692
Mar-88	39361	39361	39361	9551
Apr-88	35590	35590	35589	8770
May-88	106330	106330	106330	26009
Jun-88	19606	19606	19606	4641
Jul-88	183644	183644	183644	46387
Aug-88	34053	34053	34053	9209
Sep-88	32521	32521	32522	9076
Oct-88	47217	47217	47217	13415
Nov-88	145478	145478	145478	39555
Dec-88	18415	18415	18415	4404
Jan-89	36028	36028	36028	8762
Feb-89	50987	50987	50987	12219
Mar-89	83568	83568	83568	21170
Apr-89	61906	61906	61906	15433
May-89	168571	168571	168571	44527
Jun-89	105575	105575	105575	31693
Jul-89	97306	97306	97307	25368
Aug-89	133043	133043	133043	37470
Sep-89	121443	121443	121443	33046
Oct-89	104685	104685	104685	28903
Nov-89	47952	47952	47952	11097
Dec-89	12387	12387	12387	2928

Month	Hudson River Below Tappan Zee and Upper Bay CSO Nitrogen Load (kg)			
		Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
	Baseline			
Jan-88	30553	30553	12221	0
Feb-88	36327	36327	14531	0
Mar-88	18950	18950	7580	0
Apr-88	17629	17629	7051	0
May-88	51625	51625	20650	0
Jun-88	9045	9045	3618	0
Jul-88	91942	91942	36777	0
Aug-88	18632	18632	7453	0
Sep-88	19064	19064	7625	0
Oct-88	28864	28864	11545	0
Nov-88	82316	82316	32926	0
Dec-88	9049	9049	3620	0
Jan-89	17597	17597	7039	0
Feb-89	23567	23567	9427	0
Mar-89	43127	43127	17251	0
Apr-89	31715	31715	12686	0
May-89	91554	91554	36622	0
Jun-89	67951	67951	27181	0
Jul-89	51698	51698	20679	0
Aug-89	77214	77214	30885	0
Sep-89	68733	68733	27493	0
Oct-89	61108	61108	24443	0
Nov-89	21177	21177	8471	0
Dec-89	5801	5801	2320	0

Month	Hudson River Below Tappan Zee and Upper Bay CSO Carbon Load (kg)			
	Baseline	Baseline + CAIR + LISS TMDL	HydroQual Scenario	Pastoral
		+ JB Consent Order		
Jan-88	191982	191982	76793	0
Feb-88	228266	228266	91306	0
Mar-88	119075	119075	47630	0
Apr-88	110771	110771	44308	0
May-88	324390	324390	129756	0
Jun-88	56834	56834	22734	0
Jul-88	577722	577722	231089	0
Aug-88	117077	117077	46831	0
Sep-88	119788	119788	47915	0
Oct-88	181367	181367	72547	0
Nov-88	517234	517234	206894	0
Dec-88	56858	56858	22743	0
Jan-89	110571	110571	44229	0
Feb-89	148087	148087	59235	0
Mar-89	270991	270991	108396	0
Apr-89	199280	199280	79712	0
May-89	575284	575284	230114	0
Jun-89	426976	426976	170790	0
Jul-89	324848	324848	129939	0
Aug-89	485176	485176	194070	0
Sep-89	431889	431889	172756	0
Oct-89	383978	383978	153591	0
Nov-89	133068	133068	53227	0
Dec-89	36451	36451	14580	0

Month	North Bergen Central Total Nitrogen Load (kg/d)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	303	303	121	0
Feb-88	332	332	133	0
Mar-88	320	320	128	0
Apr-88	316	316	126	0
May-88	333	333	133	0
Jun-88	357	357	143	0
Jul-88	386	386	154	0
Aug-88	349	349	140	0
Sep-88	365	365	146	0
Oct-88	337	337	135	0
Nov-88	289	289	116	0
Dec-88	349	349	140	0
Jan-89	303	303	121	0
Feb-89	332	332	133	0
Mar-89	320	320	128	0
Apr-89	316	316	126	0
May-89	333	333	133	0
Jun-89	357	357	143	0
Jul-89	386	386	154	0
Aug-89	349	349	140	0
Sep-89	365	365	146	0
Oct-89	337	337	135	0
Nov-89	289	289	116	0
Dec-89	349	349	140	0



Month	North Bergen Central Total Organic Carbon Load (kg/d)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	1130	1130	452	0
Feb-88	1582	1582	633	0
Mar-88	1197	1197	479	0
Apr-88	1164	1164	466	0
May-88	1158	1158	463	0
Jun-88	1072	1072	429	0
Jul-88	664	664	266	0
Aug-88	1079	1079	431	0
Sep-88	772	772	309	0
Oct-88	1201	1201	480	0
Nov-88	1089	1089	436	0
Dec-88	1024	1024	410	0
Jan-89	1132	1132	453	0
Feb-89	1582	1582	633	0
Mar-89	1197	1197	479	0
Apr-89	1164	1164	466	0
May-89	1158	1158	463	0
Jun-89	1072	1072	429	0
Jul-89	664	664	266	0
Aug-89	1079	1079	431	0
Sep-89	772	772	309	0
Oct-89	1201	1201	480	0
Nov-89	1089	1089	436	0
Dec-89	1024	1024	410	0

Month	Secaucus Total Nitrogen Load (kg/d)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	316	316	126	0
Feb-88	360	360	144	0
Mar-88	271	271	108	0
Apr-88	246	246	99	0
May-88	248	248	99	0
Jun-88	363	363	145	0
Jul-88	221	221	88	0
Aug-88	248	248	99	0
Sep-88	314	314	126	0
Oct-88	396	396	158	0
Nov-88	279	279	112	0
Dec-88	175	175	70	0
Jan-89	316	316	126	0
Feb-89	360	360	144	0
Mar-89	271	271	108	0
Apr-89	246	246	99	0
May-89	248	248	99	0
Jun-89	363	363	145	0
Jul-89	221	221	88	0
Aug-89	248	248	99	0
Sep-89	314	314	126	0
Oct-89	396	396	158	0
Nov-89	279	279	112	0
Dec-89	175	175	70	0

Month	Secaucus Total Organic Carbon Load (kg/d)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	258	258	103	0
Feb-88	323	323	130	0
Mar-88	255	255	102	0
Apr-88	397	397	159	0
May-88	254	254	102	0
Jun-88	186	186	74	0
Jul-88	221	221	89	0
Aug-88	244	244	97	0
Sep-88	241	241	96	0
Oct-88	227	227	91	0
Nov-88	209	209	84	0
Dec-88	274	274	110	0
Jan-89	258	258	103	0
Feb-89	323	323	130	0
Mar-89	255	255	102	0
Apr-89	397	397	159	0
May-89	254	254	102	0
Jun-89	186	186	74	0
Jul-89	221	221	89	0
Aug-89	244	244	97	0
Sep-89	241	241	96	0
Oct-89	227	227	91	0
Nov-89	209	209	84	0
Dec-89	274	274	110	0

Month	Bergen County Total Nitrogen Load (kg/d)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	5853	5853	2345	0
Feb-88	5907	5907	2371	0
Mar-88	5769	5769	2307	0
Apr-88	5645	5645	2258	0
May-88	5454	5454	2186	0
Jun-88	6056	6056	2414	0
Jul-88	6003	6003	2405	0
Aug-88	5083	5083	2033	0
Sep-88	5140	5140	2056	0
Oct-88	4332	4332	1733	0
Nov-88	5543	5543	2221	0
Dec-88	5633	5633	2253	0
Jan-89	5861	5861	2348	0
Feb-89	5907	5907	2371	0
Mar-89	5769	5769	2307	0
Apr-89	5645	5645	2258	0
May-89	5454	5454	2186	0
Jun-89	6056	6056	2414	0
Jul-89	6003	6003	2405	0
Aug-89	5083	5083	2033	0
Sep-89	5140	5140	2056	0
Oct-89	4332	4332	1733	0
Nov-89	5543	5543	2221	0
Dec-89	5633	5633	2253	0

Month	Bergen County Total Organic Carbon Load (kg/d)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	8363	8363	3345	0
Feb-88	6572	6572	2628	0
Mar-88	7992	7992	3196	0
Apr-88	8546	8546	3416	0
May-88	8890	8890	3556	0
Jun-88	9880	9880	3952	0
Jul-88	8036	8036	3214	0
Aug-88	7502	7502	3002	0
Sep-88	7248	7248	2902	0
Oct-88	6642	6642	2658	0
Nov-88	6518	6518	2608	0
Dec-88	7310	7310	2926	0
Jan-89	8374	8374	3350	0
Feb-89	6572	6572	2628	0
Mar-89	7992	7992	3196	0
Apr-89	8546	8546	3416	0
May-89	8890	8890	3556	0
Jun-89	9880	9880	3952	0
Jul-89	8036	8036	3214	0
Aug-89	7502	7502	3002	0
Sep-89	7248	7248	2902	0
Oct-89	6642	6642	2658	0
Nov-89	6518	6518	2608	0
Dec-89	7310	7310	2926	0

Month	Port Richmond Total Nitrogen Load (kg/d)			
	Baseline	Baseline + CAIR + LISS TMDL	HydroQual Scenario	Pastoral
		+ JB Consent Order		
Jan-88	1437	1437	574	0
Feb-88	1610	1610	644	0
Mar-88	1204	1204	481	0
Apr-88	1644	1644	658	0
May-88	1574	1574	630	0
Jun-88	1305	1305	522	0
Jul-88	1034	1034	415	0
Aug-88	1332	1332	534	0
Sep-88	1786	1786	714	0
Oct-88	1202	1202	482	0
Nov-88	1235	1235	494	0
Dec-88	1348	1348	540	0
Jan-89	1439	1439	575	0
Feb-89	1610	1610	644	0
Mar-89	1204	1204	481	0
Apr-89	1644	1644	658	0
May-89	1574	1574	630	0
Jun-89	1305	1305	522	0
Jul-89	1034	1034	415	0
Aug-89	1332	1332	534	0
Sep-89	1786	1786	714	0
Oct-89	1202	1202	482	0
Nov-89	1235	1235	494	0
Dec-89	1348	1348	540	0

Month	Port Richmond Total Organic Carbon Load (kg/d)			
		Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
	Baseline			
Jan-88	1577	1577	631	0
Feb-88	1581	1581	632	0
Mar-88	1177	1177	471	0
Apr-88	1871	1871	749	0
May-88	1475	1475	589	0
Jun-88	1052	1052	421	0
Jul-88	1101	1101	440	0
Aug-88	1339	1339	535	0
Sep-88	1052	1052	421	0
Oct-88	749	749	299	0
Nov-88	760	760	304	0
Dec-88	1155	1155	462	0
Jan-89	1579	1579	632	0
Feb-89	1581	1581	632	0
Mar-89	1177	1177	471	0
Apr-89	1871	1871	749	0
May-89	1475	1475	589	0
Jun-89	1052	1052	421	0
Jul-89	1101	1101	440	0
Aug-89	1339	1339	535	0
Sep-89	1052	1052	421	0
Oct-89	749	749	299	0
Nov-89	760	760	304	0
Dec-89	1155	1155	462	0

Month	Linden Roselle Total Nitrogen Load (kg/d)			
	Baseline	Baseline + CAIR + LISS TMDL	HydroQual Scenario	Pastoral
		+ JB Consent Order		
Jan-88	4648	4648	1859	0
Feb-88	6247	6247	2491	0
Mar-88	5164	5164	2062	0
Apr-88	3490	3490	1396	0
May-88	2899	2899	1160	0
Jun-88	2776	2776	1110	0
Jul-88	2368	2368	947	0
Aug-88	3266	3266	1306	0
Sep-88	2674	2674	1070	0
Oct-88	1278	1278	510	0
Nov-88	1357	1357	543	0
Dec-88	2837	2837	1135	0
Jan-89	4654	4654	1862	0
Feb-89	6247	6247	2491	0
Mar-89	5164	5164	2062	0
Apr-89	3490	3490	1396	0
May-89	2899	2899	1160	0
Jun-89	2776	2776	1110	0
Jul-89	2368	2368	947	0
Aug-89	3266	3266	1306	0
Sep-89	2674	2674	1070	0
Oct-89	1278	1278	510	0
Nov-89	1357	1357	543	0
Dec-89	2837	2837	1135	0



Month	Linden Roselle Total Organic Carbon Load (kg/d)			
	Baseline	Baseline + CAIR + LISS TMDL	HydroQual Scenario	Pastoral
		+ JB Consent Order		
Jan-88	1118	1118	447	0
Feb-88	1506	1506	602	0
Mar-88	1242	1242	497	0
Apr-88	838	838	335	0
May-88	699	699	279	0
Jun-88	667	667	267	0
Jul-88	569	569	227	0
Aug-88	785	785	314	0
Sep-88	646	646	259	0
Oct-88	307	307	123	0
Nov-88	327	327	130	0
Dec-88	682	682	272	0
Jan-89	1119	1119	448	0
Feb-89	1506	1506	602	0
Mar-89	1242	1242	497	0
Apr-89	838	838	335	0
May-89	699	699	279	0
Jun-89	667	667	267	0
Jul-89	569	569	227	0
Aug-89	785	785	314	0
Sep-89	646	646	259	0
Oct-89	307	307	123	0
Nov-89	327	327	130	0
Dec-89	682	682	272	0

Month	Jnt Meeting Essex Union Total Nitrogen Load (kg/d)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	2311	2311	925	0
Feb-88	4087	4087	1635	0
Mar-88	4628	4628	1852	0
Apr-88	5260	5260	2105	0
May-88	6134	6134	2454	0
Jun-88	5981	5981	2392	0
Jul-88	6086	6086	2434	0
Aug-88	6367	6367	2547	0
Sep-88	5650	5650	2261	0
Oct-88	1952	1952	780	0
Nov-88	1916	1916	767	0
Dec-88	3316	3316	1327	0
Jan-89	2314	2314	926	0
Feb-89	4087	4087	1635	0
Mar-89	4628	4628	1852	0
Apr-89	5260	5260	2105	0
May-89	6134	6134	2454	0
Jun-89	5981	5981	2392	0
Jul-89	6086	6086	2434	0
Aug-89	6367	6367	2547	0
Sep-89	5650	5650	2261	0
Oct-89	1952	1952	780	0
Nov-89	1916	1916	767	0
Dec-89	3316	3316	1327	0

Month	Jnt Meeting Essex Union Total Organic Carbon Load (kg/d)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	5600	5600	2241	0
Feb-88	4326	4326	1730	0
Mar-88	5924	5924	2370	0
Apr-88	4654	4654	1860	0
May-88	2164	2164	865	0
Jun-88	2352	2352	941	0
Jul-88	2048	2048	820	0
Aug-88	2684	2684	1073	0
Sep-88	1752	1752	700	0
Oct-88	6220	6220	2486	0
Nov-88	6952	6952	2780	0
Dec-88	8314	8314	3324	0
Jan-89	5608	5608	2244	0
Feb-89	4326	4326	1730	0
Mar-89	5924	5924	2370	0
Apr-89	4654	4654	1860	0
May-89	2164	2164	865	0
Jun-89	2352	2352	941	0
Jul-89	2048	2048	820	0
Aug-89	2684	2684	1073	0
Sep-89	1752	1752	700	0
Oct-89	6220	6220	2486	0
Nov-89	6952	6952	2780	0
Dec-89	8314	8314	3324	0

Month	Rahway Total Nitrogen Load (kg/d)			
	Baseline	Baseline + CAIR + LISS TMDL	HydroQual Scenario	Pastoral
		+ JB Consent Order		
Jan-88	1350	1350	541	0
Feb-88	2007	2007	802	0
Mar-88	1799	1799	720	0
Apr-88	1824	1824	730	0
May-88	1745	1745	697	0
Jun-88	1553	1553	622	0
Jul-88	1587	1587	635	0
Aug-88	1840	1840	736	0
Sep-88	1566	1566	626	0
Oct-88	1262	1262	506	0
Nov-88	1426	1426	570	0
Dec-88	2623	2623	1048	0
Jan-89	1352	1352	542	0
Feb-89	2007	2007	802	0
Mar-89	1799	1799	720	0
Apr-89	1824	1824	730	0
May-89	1745	1745	697	0
Jun-89	1553	1553	622	0
Jul-89	1587	1587	635	0
Aug-89	1840	1840	736	0
Sep-89	1566	1566	626	0
Oct-89	1262	1262	506	0
Nov-89	1426	1426	570	0
Dec-89	2623	2623	1048	0

Month	Rahway Total Organic Carbon Load (kg/d)			
	Baseline	Baseline + CAIR + LISS TMDL	HydroQual Scenario	Pastoral
		+ JB Consent Order		
Jan-88	2047	2047	818	0
Feb-88	3044	3044	1218	0
Mar-88	2726	2726	1090	0
Apr-88	2766	2766	1108	0
May-88	2646	2646	1058	0
Jun-88	2354	2354	941	0
Jul-88	2402	2402	960	0
Aug-88	2786	2786	1115	0
Sep-88	2370	2370	948	0
Oct-88	1912	1912	764	0
Nov-88	2162	2162	865	0
Dec-88	3976	3976	1592	0
Jan-89	2050	2050	819	0
Feb-89	3044	3044	1218	0
Mar-89	2726	2726	1090	0
Apr-89	2766	2766	1108	0
May-89	2646	2646	1058	0
Jun-89	2354	2354	941	0
Jul-89	2402	2402	960	0
Aug-89	2786	2786	1115	0
Sep-89	2370	2370	948	0
Oct-89	1912	1912	764	0
Nov-89	2162	2162	865	0
Dec-89	3976	3976	1592	0

Month	Oakwood Beach Total Nitrogen Load (kg/d)			
	Baseline	Baseline + CAIR + LISS TMDL	HydroQual Scenario	Pastoral
		+ JB Consent Order		
Jan-88	1494	1494	597	0
Feb-88	1415	1415	565	0
Mar-88	1585	1585	635	0
Apr-88	2183	2183	873	0
May-88	1685	1685	674	0
Jun-88	2813	2813	1125	0
Jul-88	2867	2867	1146	0
Aug-88	2534	2534	1013	0
Sep-88	3272	3272	1308	0
Oct-88	1310	1310	524	0
Nov-88	1452	1452	582	0
Dec-88	1763	1763	706	0
Jan-89	1496	1496	598	0
Feb-89	1415	1415	565	0
Mar-89	1585	1585	635	0
Apr-89	2183	2183	873	0
May-89	1685	1685	674	0
Jun-89	2813	2813	1125	0
Jul-89	2867	2867	1146	0
Aug-89	2534	2534	1013	0
Sep-89	3272	3272	1308	0
Oct-89	1310	1310	524	0
Nov-89	1452	1452	582	0
Dec-89	1763	1763	706	0

Month	Oakwood Beach Total Organic Carbon Load (kg/d)			
	Baseline	Baseline + CAIR + LISS TMDL	HydroQual Scenario	Pastoral
		+ JB Consent Order		
Jan-88	1271	1271	509	0
Feb-88	1387	1387	555	0
Mar-88	1392	1392	557	0
Apr-88	1412	1412	565	0
May-88	1368	1368	547	0
Jun-88	1365	1365	546	0
Jul-88	1190	1190	476	0
Aug-88	1190	1190	476	0
Sep-88	966	966	386	0
Oct-88	932	932	373	0
Nov-88	1159	1159	464	0
Dec-88	1091	1091	436	0
Jan-89	1273	1273	509	0
Feb-89	1387	1387	555	0
Mar-89	1392	1392	557	0
Apr-89	1412	1412	565	0
May-89	1368	1368	547	0
Jun-89	1365	1365	546	0
Jul-89	1190	1190	476	0
Aug-89	1190	1190	476	0
Sep-89	966	966	386	0
Oct-89	932	932	373	0
Nov-89	1159	1159	464	0
Dec-89	1091	1091	436	0

Month	Middlesex County Total Nitrogen Load (kg/d)			
	Baseline	Baseline + CAIR + LISS TMDL	HydroQual Scenario	Pastoral
		+ JB Consent Order		
Jan-88	13935	13935	5579	0
Feb-88	17002	17002	6802	0
Mar-88	14839	14839	5940	0
Apr-88	13180	13180	5276	0
May-88	12276	12276	4902	0
Jun-88	13402	13402	5365	0
Jul-88	12100	12100	4837	0
Aug-88	12672	12672	5076	0
Sep-88	12697	12697	5079	0
Oct-88	14839	14839	5940	0
Nov-88	14861	14861	5942	0
Dec-88	16073	16073	6425	0
Jan-89	13954	13954	5586	0
Feb-89	17002	17002	6802	0
Mar-89	14839	14839	5940	0
Apr-89	13180	13180	5276	0
May-89	12276	12276	4902	0
Jun-89	13402	13402	5365	0
Jul-89	12100	12100	4837	0
Aug-89	12672	12672	5076	0
Sep-89	12697	12697	5079	0
Oct-89	14839	14839	5940	0
Nov-89	14861	14861	5942	0
Dec-89	16073	16073	6425	0



Month	Middlesex County Total Organic Carbon Load (kg/d)			
	Baseline	Baseline + CAIR + LISS TMDL	HydroQual Scenario	Pastoral
		+ JB Consent Order		
Jan-88	17319	17319	6931	0
Feb-88	15340	15340	6136	0
Mar-88	20258	20258	8104	0
Apr-88	23194	23194	9274	0
May-88	13276	13276	5310	0
Jun-88	10118	10118	4048	0
Jul-88	13010	13010	5204	0
Aug-88	10936	10936	4374	0
Sep-88	14232	14232	5692	0
Oct-88	8390	8390	3358	0
Nov-88	12142	12142	4856	0
Dec-88	25840	25840	10340	0
Jan-89	17342	17342	6940	0
Feb-89	15340	15340	6136	0
Mar-89	20258	20258	8104	0
Apr-89	23194	23194	9274	0
May-89	13276	13276	5310	0
Jun-89	10118	10118	4048	0
Jul-89	13010	13010	5204	0
Aug-89	10936	10936	4374	0
Sep-89	14232	14232	5692	0
Oct-89	8390	8390	3358	0
Nov-89	12142	12142	4856	0
Dec-89	25840	25840	10340	0

Month	North River Total Nitrogen Load (kg/d)			
	Baseline	Baseline + CAIR + LISS TMDL	HydroQual Scenario	Pastoral
		+ JB Consent Order		
Jan-88	11678	11678	4671	0
Feb-88	9414	9414	3773	0
Mar-88	8707	8707	3480	0
Apr-88	10166	10166	4060	0
May-88	10311	10311	4116	0
Jun-88	10592	10592	4240	0
Jul-88	11909	11909	4768	0
Aug-88	11798	11798	4727	0
Sep-88	11958	11958	4787	0
Oct-88	11869	11869	4756	0
Nov-88	13458	13458	5386	0
Dec-88	9823	9823	3930	0
Jan-89	11693	11693	4677	0
Feb-89	9414	9414	3773	0
Mar-89	8707	8707	3480	0
Apr-89	10166	10166	4060	0
May-89	10311	10311	4116	0
Jun-89	10592	10592	4240	0
Jul-89	11909	11909	4768	0
Aug-89	11798	11798	4727	0
Sep-89	11958	11958	4787	0
Oct-89	11869	11869	4756	0
Nov-89	13458	13458	5386	0
Dec-89	9823	9823	3930	0

Month	North River Total Organic Carbon Load (kg/d)			
		Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
	Baseline			
Jan-88	10646	10646	4258	0
Feb-88	9076	9076	3628	0
Mar-88	8680	8680	3472	0
Apr-88	8496	8496	3400	0
May-88	8548	8548	3420	0
Jun-88	9596	9596	3838	0
Jul-88	10226	10226	4090	0
Aug-88	9316	9316	3726	0
Sep-88	11788	11788	4714	0
Oct-88	9978	9978	3992	0
Nov-88	12142	12142	4856	0
Dec-88	15032	15032	6012	0
Jan-89	10660	10660	4264	0
Feb-89	9076	9076	3628	0
Mar-89	8680	8680	3472	0
Apr-89	8496	8496	3400	0
May-89	8548	8548	3420	0
Jun-89	9596	9596	3838	0
Jul-89	10226	10226	4090	0
Aug-89	9316	9316	3726	0
Sep-89	11788	11788	4714	0
Oct-89	9978	9978	3992	0
Nov-89	12142	12142	4856	0
Dec-89	15032	15032	6012	0

Month	Owls Head Total Nitrogen Load (kg/d)			
	Baseline	Baseline + CAIR + LISS TMDL	HydroQual Scenario	Pastoral
		+ JB Consent Order		
Jan-88	9635	9635	3858	0
Feb-88	7875	7875	3146	0
Mar-88	8643	8643	3454	0
Apr-88	7311	7311	2933	0
May-88	7092	7092	2838	0
Jun-88	7332	7332	2933	0
Jul-88	9740	9740	3904	0
Aug-88	7195	7195	2870	0
Sep-88	7268	7268	2908	0
Oct-88	7520	7520	3004	0
Nov-88	9347	9347	3730	0
Dec-88	11727	11727	4686	0
Jan-89	9648	9648	3863	0
Feb-89	7875	7875	3146	0
Mar-89	8643	8643	3454	0
Apr-89	7311	7311	2933	0
May-89	7092	7092	2838	0
Jun-89	7332	7332	2933	0
Jul-89	9740	9740	3904	0
Aug-89	7195	7195	2870	0
Sep-89	7268	7268	2908	0
Oct-89	7520	7520	3004	0
Nov-89	9347	9347	3730	0
Dec-89	11727	11727	4686	0

Month	Owls Head Total Organic Carbon Load (kg/d)			
		Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
	Baseline			
Jan-88	9645	9645	3859	0
Feb-88	10842	10842	4338	0
Mar-88	8846	8846	3540	0
Apr-88	8368	8368	3348	0
May-88	9062	9062	3626	0
Jun-88	8436	8436	3376	0
Jul-88	8784	8784	3514	0
Aug-88	6194	6194	2478	0
Sep-88	6294	6294	2518	0
Oct-88	10666	10666	4266	0
Nov-88	21820	21820	8736	0
Dec-88	11714	11714	4688	0
Jan-89	9658	9658	3864	0
Feb-89	10842	10842	4338	0
Mar-89	8846	8846	3540	0
Apr-89	8368	8368	3348	0
May-89	9062	9062	3626	0
Jun-89	8436	8436	3376	0
Jul-89	8784	8784	3514	0
Aug-89	6194	6194	2478	0
Sep-89	6294	6294	2518	0
Oct-89	10666	10666	4266	0
Nov-89	21820	21820	8736	0
Dec-89	11714	11714	4688	0

Month	Yonkers Total Nitrogen Load (kg/d)			
	Baseline	Baseline + CAIR + LISS TMDL	HydroQual Scenario	Pastoral
		+ JB Consent Order		
Jan-88	4906	4906	1962	0
Feb-88	5075	5075	2030	0
Mar-88	4975	4975	1990	0
Apr-88	4737	4737	1895	0
May-88	4126	4126	1651	0
Jun-88	6047	6047	2411	0
Jul-88	5964	5964	2382	0
Aug-88	4567	4567	1827	0
Sep-88	5924	5924	2370	0
Oct-88	5236	5236	2094	0
Nov-88	6172	6172	2469	0
Dec-88	3958	3958	1583	0
Jan-89	4913	4913	1965	0
Feb-89	5075	5075	2030	0
Mar-89	4975	4975	1990	0
Apr-89	4737	4737	1895	0
May-89	4126	4126	1651	0
Jun-89	6047	6047	2411	0
Jul-89	5964	5964	2382	0
Aug-89	4567	4567	1827	0
Sep-89	5924	5924	2370	0
Oct-89	5236	5236	2094	0
Nov-89	6172	6172	2469	0
Dec-89	3958	3958	1583	0

Month	Yonkers Total Organic Carbon Load (kg/d)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	8582	8582	3433	0
Feb-88	7194	7194	2878	0
Mar-88	6126	6126	2450	0
Apr-88	6814	6814	2726	0
May-88	5442	5442	2176	0
Jun-88	5380	5380	2154	0
Jul-88	4638	4638	1856	0
Aug-88	1988	1988	795	0
Sep-88	2758	2758	1104	0
Oct-88	1934	1934	773	0
Nov-88	4084	4084	1633	0
Dec-88	5592	5592	2240	0
Jan-89	8594	8594	3438	0
Feb-89	7194	7194	2878	0
Mar-89	6126	6126	2450	0
Apr-89	6814	6814	2726	0
May-89	5442	5442	2176	0
Jun-89	5380	5380	2154	0
Jul-89	4638	4638	1856	0
Aug-89	1988	1988	795	0
Sep-89	2758	2758	1104	0
Oct-89	1934	1934	773	0
Nov-89	4084	4084	1633	0
Dec-89	5592	5592	2240	0

Month	North Bergen Woodcliff Total Nitrogen Load (kg/d)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	153	153	61	0
Feb-88	166	166	66	0
Mar-88	159	159	63	0
Apr-88	146	146	59	0
May-88	158	158	63	0
Jun-88	184	184	74	0
Jul-88	164	164	65	0
Aug-88	146	146	58	0
Sep-88	144	144	57	0
Oct-88	154	154	61	0
Nov-88	158	158	63	0
Dec-88	176	176	71	0
Jan-89	153	153	61	0
Feb-89	166	166	66	0
Mar-89	159	159	63	0
Apr-89	146	146	59	0
May-89	158	158	63	0
Jun-89	184	184	74	0
Jul-89	164	164	65	0
Aug-89	146	146	58	0
Sep-89	144	144	57	0
Oct-89	154	154	61	0
Nov-89	158	158	63	0
Dec-89	176	176	71	0



Month	North Bergen Woodcliff Total Organic Carbon Load (kg/d)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	344	344	137	0
Feb-88	513	513	205	0
Mar-88	407	407	163	0
Apr-88	366	366	147	0
May-88	316	316	127	0
Jun-88	267	267	107	0
Jul-88	230	230	92	0
Aug-88	253	253	101	0
Sep-88	203	203	81	0
Oct-88	270	270	108	0
Nov-88	397	397	159	0
Dec-88	315	315	126	0
Jan-89	344	344	138	0
Feb-89	513	513	205	0
Mar-89	407	407	163	0
Apr-89	366	366	147	0
May-89	316	316	127	0
Jun-89	267	267	107	0
Jul-89	230	230	92	0
Aug-89	253	253	101	0
Sep-89	203	203	81	0
Oct-89	270	270	108	0
Nov-89	397	397	159	0
Dec-89	315	315	126	0

Month	Hoboken Total Nitrogen Load (kg/d)			
	Baseline	Baseline + CAIR + LISS TMDL	HydroQual Scenario	Pastoral
		+ JB Consent Order		
Jan-88	499	499	200	0
Feb-88	578	578	231	0
Mar-88	242	242	97	0
Apr-88	507	507	203	0
May-88	735	735	295	0
Jun-88	1383	1383	553	0
Jul-88	953	953	382	0
Aug-88	1250	1250	500	0
Sep-88	1018	1018	408	0
Oct-88	1386	1386	554	0
Nov-88	896	896	358	0
Dec-88	642	642	257	0
Jan-89	500	500	200	0
Feb-89	578	578	231	0
Mar-89	242	242	97	0
Apr-89	507	507	203	0
May-89	735	735	295	0
Jun-89	1383	1383	553	0
Jul-89	953	953	382	0
Aug-89	1250	1250	500	0
Sep-89	1018	1018	408	0
Oct-89	1386	1386	554	0
Nov-89	896	896	358	0
Dec-89	642	642	257	0

Month	Hoboken Total Organic Carbon Load (kg/d)			
	Baseline	Baseline + CAIR + LISS TMDL	HydroQual Scenario	Pastoral
		+ JB Consent Order		
Jan-88	856	856	342	0
Feb-88	873	873	349	0
Mar-88	471	471	189	0
Apr-88	592	592	237	0
May-88	847	847	339	0
Jun-88	970	970	388	0
Jul-88	767	767	307	0
Aug-88	666	666	266	0
Sep-88	823	823	329	0
Oct-88	732	732	293	0
Nov-88	649	649	259	0
Dec-88	902	902	361	0
Jan-89	857	857	343	0
Feb-89	873	873	349	0
Mar-89	471	471	189	0
Apr-89	592	592	237	0
May-89	847	847	339	0
Jun-89	970	970	388	0
Jul-89	767	767	307	0
Aug-89	666	666	266	0
Sep-89	823	823	329	0
Oct-89	732	732	293	0
Nov-89	649	649	259	0
Dec-89	902	902	361	0

Month	West New York Total Nitrogen Load (kg/d)			
	Baseline	Baseline + CAIR + LISS TMDL	HydroQual Scenario	Pastoral
		+ JB Consent Order		
Jan-88	490	490	196	0
Feb-88	473	473	189	0
Mar-88	425	425	170	0
Apr-88	426	426	170	0
May-88	434	434	174	0
Jun-88	528	528	211	0
Jul-88	597	597	239	0
Aug-88	407	407	163	0
Sep-88	318	318	127	0
Oct-88	517	517	207	0
Nov-88	544	544	218	0
Dec-88	563	563	225	0
Jan-89	491	491	196	0
Feb-89	473	473	189	0
Mar-89	425	425	170	0
Apr-89	426	426	170	0
May-89	434	434	174	0
Jun-89	528	528	211	0
Jul-89	597	597	239	0
Aug-89	407	407	163	0
Sep-89	318	318	127	0
Oct-89	517	517	207	0
Nov-89	544	544	218	0
Dec-89	563	563	225	0

Month	West New York Total Organic Carbon Load (kg/d)			
	Baseline	Baseline + CAIR + LISS TMDL	HydroQual Scenario	Pastoral
		+ JB Consent Order		
Jan-88	1077	1077	431	0
Feb-88	1378	1378	551	0
Mar-88	1181	1181	472	0
Apr-88	1966	1966	787	0
May-88	1171	1171	468	0
Jun-88	979	979	392	0
Jul-88	1113	1113	445	0
Aug-88	626	626	250	0
Sep-88	615	615	246	0
Oct-88	1406	1406	562	0
Nov-88	1236	1236	495	0
Dec-88	966	966	386	0
Jan-89	1078	1078	431	0
Feb-89	1378	1378	551	0
Mar-89	1181	1181	472	0
Apr-89	1966	1966	787	0
May-89	1171	1171	468	0
Jun-89	979	979	392	0
Jul-89	1113	1113	445	0
Aug-89	626	626	250	0
Sep-89	615	615	246	0
Oct-89	1406	1406	562	0
Nov-89	1236	1236	495	0
Dec-89	966	966	386	0

Month	Passaic Valley Total Nitrogen Load (kg/d)			
	Baseline	Baseline + CAIR + LISS TMDL	HydroQual Scenario	Pastoral
		+ JB Consent Order		
Jan-88	26788	26788	10724	0
Feb-88	35782	35782	14322	0
Mar-88	35752	35752	14302	0
Apr-88	28710	28710	11484	0
May-88	29556	29556	11822	0
Jun-88	24046	24046	9620	0
Jul-88	24560	24560	9824	0
Aug-88	29706	29706	11881	0
Sep-88	25971	25971	10388	0
Oct-88	31906	31906	12762	0
Nov-88	29320	29320	11726	0
Dec-88	26740	26740	10700	0
Jan-89	26824	26824	10738	0
Feb-89	35782	35782	14322	0
Mar-89	35752	35752	14302	0
Apr-89	28710	28710	11484	0
May-89	29556	29556	11822	0
Jun-89	24046	24046	9620	0
Jul-89	24560	24560	9824	0
Aug-89	29706	29706	11881	0
Sep-89	25971	25971	10388	0
Oct-89	31906	31906	12762	0
Nov-89	29320	29320	11726	0
Dec-89	26740	26740	10700	0

Month	Passaic Valley Total Organic Carbon Load (kg/d)			
	Baseline	Baseline + CAIR + LISS TMDL	HydroQual Scenario	Pastoral
		+ JB Consent Order		
Jan-88	42942	42942	17161	0
Feb-88	43720	43720	17500	0
Mar-88	48100	48100	19248	0
Apr-88	52940	52940	21184	0
May-88	42620	42620	17048	0
Jun-88	38280	38280	15308	0
Jul-88	35660	35660	14256	0
Aug-88	41800	41800	16724	0
Sep-88	32600	32600	13028	0
Oct-88	35120	35120	14040	0
Nov-88	40040	40040	16036	0
Dec-88	40060	40060	16036	0
Jan-89	43000	43000	17184	0
Feb-89	43720	43720	17500	0
Mar-89	48100	48100	19248	0
Apr-89	52940	52940	21184	0
May-89	42620	42620	17048	0
Jun-89	38280	38280	15308	0
Jul-89	35660	35660	14256	0
Aug-89	41800	41800	16724	0
Sep-89	32600	32600	13028	0
Oct-89	35120	35120	14040	0
Nov-89	40040	40040	16036	0
Dec-89	40060	40060	16036	0

Month	Edgewater Total Nitrogen Load (kg/d)			
	Baseline	Baseline + CAIR + LISS TMDL	HydroQual Scenario	Pastoral
		+ JB Consent Order		
Jan-88	268	268	107	0
Feb-88	214	214	86	0
Mar-88	175	175	70	0
Apr-88	187	187	75	0
May-88	165	165	66	0
Jun-88	154	154	62	0
Jul-88	152	152	61	0
Aug-88	121	121	48	0
Sep-88	128	128	51	0
Oct-88	236	236	94	0
Nov-88	131	131	52	0
Dec-88	187	187	75	0
Jan-89	269	269	107	0
Feb-89	214	214	86	0
Mar-89	175	175	70	0
Apr-89	187	187	75	0
May-89	165	165	66	0
Jun-89	154	154	62	0
Jul-89	152	152	61	0
Aug-89	121	121	48	0
Sep-89	128	128	51	0
Oct-89	236	236	94	0
Nov-89	131	131	52	0
Dec-89	187	187	75	0



Month	Edgewater Total Organic Carbon Load (kg/d)			
	Baseline	Baseline + CAIR + LISS TMDL	HydroQual Scenario	Pastoral
		+ JB Consent Order		
Jan-88	315	315	126	0
Feb-88	264	264	105	0
Mar-88	284	284	113	0
Apr-88	257	257	103	0
May-88	266	266	106	0
Jun-88	187	187	75	0
Jul-88	208	208	83	0
Aug-88	210	210	84	0
Sep-88	219	219	88	0
Oct-88	212	212	85	0
Nov-88	303	303	121	0
Dec-88	357	357	143	0
Jan-89	315	315	126	0
Feb-89	264	264	105	0
Mar-89	284	284	113	0
Apr-89	257	257	103	0
May-89	266	266	106	0
Jun-89	187	187	75	0
Jul-89	208	208	83	0
Aug-89	210	210	84	0
Sep-89	219	219	88	0
Oct-89	212	212	85	0
Nov-89	303	303	121	0
Dec-89	357	357	143	0

Month	North Bergen Central Total Nitrogen Load (kg/d)						
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral	Low TN Removal TN = N/A (mg/L)	Medium TN Removal TN = N/A (mg/L)	High TN Removal TN = N/A (mg/L)
Jan-88	303	303	121	0	N/A	N/A	N/A
Feb-88	332	332	133	0	N/A	N/A	N/A
Mar-88	320	320	128	0	N/A	N/A	N/A
Apr-88	316	316	126	0	N/A	N/A	N/A
May-88	333	333	133	0	N/A	N/A	N/A
Jun-88	357	357	143	0	N/A	N/A	N/A
Jul-88	386	386	154	0	N/A	N/A	N/A
Aug-88	349	349	140	0	N/A	N/A	N/A
Sep-88	365	365	146	0	N/A	N/A	N/A
Oct-88	337	337	135	0	N/A	N/A	N/A
Nov-88	289	289	116	0	N/A	N/A	N/A
Dec-88	349	349	140	0	N/A	N/A	N/A
Jan-89	303	303	121	0	N/A	N/A	N/A
Feb-89	332	332	133	0	N/A	N/A	N/A
Mar-89	320	320	128	0	N/A	N/A	N/A
Apr-89	316	316	126	0	N/A	N/A	N/A
May-89	333	333	133	0	N/A	N/A	N/A
Jun-89	357	357	143	0	N/A	N/A	N/A
Jul-89	386	386	154	0	N/A	N/A	N/A
Aug-89	349	349	140	0	N/A	N/A	N/A
Sep-89	365	365	146	0	N/A	N/A	N/A
Oct-89	337	337	135	0	N/A	N/A	N/A
Nov-89	289	289	116	0	N/A	N/A	N/A
Dec-89	349	349	140	0	N/A	N/A	N/A

Month	North Bergen Central Total Organic Carbon Load (kg/d)							
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral	Low BOD Removal BOD = N/A (mg/L)	Medium BOD Removal BOD = N/A (mg/L)	High BOD Removal BOD = N/A (mg/L)	
Jan-88	1130	1130	452	0	N/A	N/A	N/A	
Feb-88	1582	1582	633	0	N/A	N/A	N/A	
Mar-88	1197	1197	479	0	N/A	N/A	N/A	
Apr-88	1164	1164	466	0	N/A	N/A	N/A	
May-88	1158	1158	463	0	N/A	N/A	N/A	
Jun-88	1072	1072	429	0	N/A	N/A	N/A	
Jul-88	664	664	266	0	N/A	N/A	N/A	
Aug-88	1079	1079	431	0	N/A	N/A	N/A	
Sep-88	772	772	309	0	N/A	N/A	N/A	
Oct-88	1201	1201	480	0	N/A	N/A	N/A	
Nov-88	1089	1089	436	0	N/A	N/A	N/A	
Dec-88	1024	1024	410	0	N/A	N/A	N/A	
Jan-89	1132	1132	453	0	N/A	N/A	N/A	
Feb-89	1582	1582	633	0	N/A	N/A	N/A	
Mar-89	1197	1197	479	0	N/A	N/A	N/A	
Apr-89	1164	1164	466	0	N/A	N/A	N/A	
May-89	1158	1158	463	0	N/A	N/A	N/A	
Jun-89	1072	1072	429	0	N/A	N/A	N/A	
Jul-89	664	664	266	0	N/A	N/A	N/A	
Aug-89	1079	1079	431	0	N/A	N/A	N/A	
Sep-89	772	772	309	0	N/A	N/A	N/A	
Oct-89	1201	1201	480	0	N/A	N/A	N/A	
Nov-89	1089	1089	436	0	N/A	N/A	N/A	
Dec-89	1024	1024	410	0	N/A	N/A	N/A	

Month	Secaucus Total Nitrogen Load (kg/d)						
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral	Low TN Removal TN = 24.5 (mg/L)	Medium TN Removal TN = 11.0 (mg/L)	High TN Removal TN = 4.0 (mg/L)
Jan-88	316	316	126	0	296	133	48
Feb-88	360	360	144	0	288	129	47
Mar-88	271	271	108	0	297	133	48
Apr-88	246	246	99	0	269	121	44
May-88	248	248	99	0	278	125	45
Jun-88	363	363	145	0	278	125	45
Jul-88	221	221	88	0	306	137	50
Aug-88	248	248	99	0	278	125	45
Sep-88	314	314	126	0	306	137	50
Oct-88	396	396	158	0	269	121	44
Nov-88	279	279	112	0	269	121	44
Dec-88	175	175	70	0	288	129	47
Jan-89	316	316	126	0	297	133	48
Feb-89	360	360	144	0	288	129	47
Mar-89	271	271	108	0	297	133	48
Apr-89	246	246	99	0	269	121	44
May-89	248	248	99	0	278	125	45
Jun-89	363	363	145	0	278	125	45
Jul-89	221	221	88	0	306	137	50
Aug-89	248	248	99	0	278	125	45
Sep-89	314	314	126	0	306	137	50
Oct-89	396	396	158	0	269	121	44
Nov-89	279	279	112	0	269	121	44
Dec-89	175	175	70	0	288	129	47

Month	Secaucus Total Organic Carbon Load (kg/d)						
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral	Low BOD Removal BOD = 6.5 (mg/L)	Medium BOD Removal BOD = 4.0 (mg/L)	High BOD Removal BOD = 1.5 (mg/L)
	Jan-88	258	258	103	0	161	99
Feb-88	323	323	130	0	156	96	36
Mar-88	255	255	102	0	161	99	37
Apr-88	397	397	159	0	146	90	34
May-88	254	254	102	0	151	93	35
Jun-88	186	186	74	0	151	93	35
Jul-88	221	221	89	0	166	102	38
Aug-88	244	244	97	0	151	93	35
Sep-88	241	241	96	0	167	102	38
Oct-88	227	227	91	0	146	90	34
Nov-88	209	209	84	0	146	90	34
Dec-88	274	274	110	0	156	96	36
Jan-89	258	258	103	0	161	99	37
Feb-89	323	323	130	0	156	96	36
Mar-89	255	255	102	0	161	99	37
Apr-89	397	397	159	0	146	90	34
May-89	254	254	102	0	151	93	35
Jun-89	186	186	74	0	151	93	35
Jul-89	221	221	89	0	166	102	38
Aug-89	244	244	97	0	151	93	35
Sep-89	241	241	96	0	167	102	38
Oct-89	227	227	91	0	146	90	34
Nov-89	209	209	84	0	146	90	34
Dec-89	274	274	110	0	156	96	36

Month	Bergen County Total Nitrogen Load (kg/d)						
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral	Low TN Removal TN = 11.0 (mg/L)	Medium TN Removal TN = 8.0 (mg/L)	High TN Removal TN = 4.5 (mg/L)
Jan-88	5853	5853	2345	0	3090	2248	1264
Feb-88	5907	5907	2371	0	2878	2093	1177
Mar-88	5769	5769	2307	0	2949	2145	1206
Apr-88	5645	5645	2258	0	2724	1981	1114
May-88	5454	5454	2186	0	2707	1969	1107
Jun-88	6056	6056	2414	0	2770	2014	1133
Jul-88	6003	6003	2405	0	2682	1951	1097
Aug-88	5083	5083	2033	0	2628	1911	1075
Sep-88	5140	5140	2056	0	2416	1757	988
Oct-88	4332	4332	1733	0	2586	1881	1058
Nov-88	5543	5543	2221	0	2686	1954	1099
Dec-88	5633	5633	2253	0	3015	2193	1234
Jan-89	5861	5861	2348	0	3094	2251	1266
Feb-89	5907	5907	2371	0	2878	2093	1177
Mar-89	5769	5769	2307	0	2949	2145	1206
Apr-89	5645	5645	2258	0	2724	1981	1114
May-89	5454	5454	2186	0	2707	1969	1107
Jun-89	6056	6056	2414	0	2770	2014	1133
Jul-89	6003	6003	2405	0	2682	1951	1097
Aug-89	5083	5083	2033	0	2628	1911	1075
Sep-89	5140	5140	2056	0	2416	1757	988
Oct-89	4332	4332	1733	0	2586	1881	1058
Nov-89	5543	5543	2221	0	2686	1954	1099
Dec-89	5633	5633	2253	0	3015	2193	1234

Month	Bergen County Total Organic Carbon Load (kg/d)						
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral	Low BOD Removal BOD = 6.5 (mg/L)	Medium BOD Removal BOD = 4.0 (mg/L)	High BOD Removal BOD = 1.5 (mg/L)
Jan-88	8363	8363	3345	0	3783	2328	873
Feb-88	6572	6572	2628	0	3516	2163	811
Mar-88	7992	7992	3196	0	3607	2219	832
Apr-88	8546	8546	3416	0	3332	2050	769
May-88	8890	8890	3556	0	3308	2036	763
Jun-88	9880	9880	3952	0	3387	2084	782
Jul-88	8036	8036	3214	0	3277	2017	756
Aug-88	7502	7502	3002	0	3214	1978	742
Sep-88	7248	7248	2902	0	2952	1817	681
Oct-88	6642	6642	2658	0	3162	1946	730
Nov-88	6518	6518	2608	0	3283	2020	758
Dec-88	7310	7310	2926	0	3685	2268	850
Jan-89	8374	8374	3350	0	3788	2331	874
Feb-89	6572	6572	2628	0	3516	2163	811
Mar-89	7992	7992	3196	0	3607	2219	832
Apr-89	8546	8546	3416	0	3332	2050	769
May-89	8890	8890	3556	0	3308	2036	763
Jun-89	9880	9880	3952	0	3387	2084	782
Jul-89	8036	8036	3214	0	3277	2017	756
Aug-89	7502	7502	3002	0	3214	1978	742
Sep-89	7248	7248	2902	0	2952	1817	681
Oct-89	6642	6642	2658	0	3162	1946	730
Nov-89	6518	6518	2608	0	3283	2020	758
Dec-89	7310	7310	2926	0	3685	2268	850

Month	Port Richmond Total Nitrogen Load (kg/d)						
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral	Low TN Removal TN = N/A (mg/L)	Medium TN Removal TN = N/A (mg/L)	High TN Removal TN = N/A (mg/L)
Jan-88	1437	1437	574	0	N/A	N/A	N/A
Feb-88	1610	1610	644	0	N/A	N/A	N/A
Mar-88	1204	1204	481	0	N/A	N/A	N/A
Apr-88	1644	1644	658	0	N/A	N/A	N/A
May-88	1574	1574	630	0	N/A	N/A	N/A
Jun-88	1305	1305	522	0	N/A	N/A	N/A
Jul-88	1034	1034	415	0	N/A	N/A	N/A
Aug-88	1332	1332	534	0	N/A	N/A	N/A
Sep-88	1786	1786	714	0	N/A	N/A	N/A
Oct-88	1202	1202	482	0	N/A	N/A	N/A
Nov-88	1235	1235	494	0	N/A	N/A	N/A
Dec-88	1348	1348	540	0	N/A	N/A	N/A
Jan-89	1439	1439	575	0	N/A	N/A	N/A
Feb-89	1610	1610	644	0	N/A	N/A	N/A
Mar-89	1204	1204	481	0	N/A	N/A	N/A
Apr-89	1644	1644	658	0	N/A	N/A	N/A
May-89	1574	1574	630	0	N/A	N/A	N/A
Jun-89	1305	1305	522	0	N/A	N/A	N/A
Jul-89	1034	1034	415	0	N/A	N/A	N/A
Aug-89	1332	1332	534	0	N/A	N/A	N/A
Sep-89	1786	1786	714	0	N/A	N/A	N/A
Oct-89	1202	1202	482	0	N/A	N/A	N/A
Nov-89	1235	1235	494	0	N/A	N/A	N/A
Dec-89	1348	1348	540	0	N/A	N/A	N/A



Month	Port Richmond Total Organic Carbon Load (kg/d)							
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral	Low BOD Removal BOD = N/A (mg/L)	Medium BOD Removal BOD = N/A (mg/L)	High BOD Removal BOD = N/A (mg/L)	
Jan-88	1577	1577	631	0	N/A	N/A	N/A	
Feb-88	1581	1581	632	0	N/A	N/A	N/A	
Mar-88	1177	1177	471	0	N/A	N/A	N/A	
Apr-88	1871	1871	749	0	N/A	N/A	N/A	
May-88	1475	1475	589	0	N/A	N/A	N/A	
Jun-88	1052	1052	421	0	N/A	N/A	N/A	
Jul-88	1101	1101	440	0	N/A	N/A	N/A	
Aug-88	1339	1339	535	0	N/A	N/A	N/A	
Sep-88	1052	1052	421	0	N/A	N/A	N/A	
Oct-88	749	749	299	0	N/A	N/A	N/A	
Nov-88	760	760	304	0	N/A	N/A	N/A	
Dec-88	1155	1155	462	0	N/A	N/A	N/A	
Jan-89	1579	1579	632	0	N/A	N/A	N/A	
Feb-89	1581	1581	632	0	N/A	N/A	N/A	
Mar-89	1177	1177	471	0	N/A	N/A	N/A	
Apr-89	1871	1871	749	0	N/A	N/A	N/A	
May-89	1475	1475	589	0	N/A	N/A	N/A	
Jun-89	1052	1052	421	0	N/A	N/A	N/A	
Jul-89	1101	1101	440	0	N/A	N/A	N/A	
Aug-89	1339	1339	535	0	N/A	N/A	N/A	
Sep-89	1052	1052	421	0	N/A	N/A	N/A	
Oct-89	749	749	299	0	N/A	N/A	N/A	
Nov-89	760	760	304	0	N/A	N/A	N/A	
Dec-89	1155	1155	462	0	N/A	N/A	N/A	

Month	Linden Roselle Total Nitrogen Load (kg/d)						
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral	Low TN Removal TN = 11.0 (mg/L)	Medium TN Removal TN = 8.0 (mg/L)	High TN Removal TN = 4.5 (mg/L)
Jan-88	4648	4648	1859	0	537	390	219
Feb-88	6247	6247	2491	0	541	394	221
Mar-88	5164	5164	2062	0	596	433	244
Apr-88	3490	3490	1396	0	600	436	245
May-88	2899	2899	1160	0	500	363	204
Jun-88	2776	2776	1110	0	479	348	196
Jul-88	2368	2368	947	0	541	394	221
Aug-88	3266	3266	1306	0	450	327	184
Sep-88	2674	2674	1070	0	462	336	189
Oct-88	1278	1278	510	0	441	321	181
Nov-88	1357	1357	543	0	471	342	193
Dec-88	2837	2837	1135	0	487	354	199
Jan-89	4654	4654	1862	0	537	391	220
Feb-89	6247	6247	2491	0	541	394	221
Mar-89	5164	5164	2062	0	596	433	244
Apr-89	3490	3490	1396	0	600	436	245
May-89	2899	2899	1160	0	500	363	204
Jun-89	2776	2776	1110	0	479	348	196
Jul-89	2368	2368	947	0	541	394	221
Aug-89	3266	3266	1306	0	450	327	184
Sep-89	2674	2674	1070	0	462	336	189
Oct-89	1278	1278	510	0	441	321	181
Nov-89	1357	1357	543	0	471	342	193
Dec-89	2837	2837	1135	0	487	354	199

Month	Linden Roselle Total Organic Carbon Load (kg/d)						
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral	Low BOD Removal BOD = 6.5 (mg/L)	Medium BOD Removal BOD = 4.0 (mg/L)	High BOD Removal BOD = 1.5 (mg/L)
Jan-88	1118	1118	447	0	587	361	136
Feb-88	1506	1506	602	0	593	365	137
Mar-88	1242	1242	497	0	652	401	150
Apr-88	838	838	335	0	657	404	152
May-88	699	699	279	0	547	337	126
Jun-88	667	667	267	0	524	323	121
Jul-88	569	569	227	0	592	364	137
Aug-88	785	785	314	0	492	303	114
Sep-88	646	646	259	0	506	311	117
Oct-88	307	307	123	0	483	297	111
Nov-88	327	327	130	0	515	317	119
Dec-88	682	682	272	0	533	328	123
Jan-89	1119	1119	448	0	588	362	136
Feb-89	1506	1506	602	0	593	365	137
Mar-89	1242	1242	497	0	652	401	150
Apr-89	838	838	335	0	657	404	152
May-89	699	699	279	0	547	337	126
Jun-89	667	667	267	0	524	323	121
Jul-89	569	569	227	0	592	364	137
Aug-89	785	785	314	0	492	303	114
Sep-89	646	646	259	0	506	311	117
Oct-89	307	307	123	0	483	297	111
Nov-89	327	327	130	0	515	317	119
Dec-89	682	682	272	0	533	328	123

Month	Jnt Meeting Essex Union Total Nitrogen Load (kg/d)						
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral	Low TN Removal TN = 11.0 (mg/L)	Medium TN Removal TN = 8.0 (mg/L)	High TN Removal TN = 4.5 (mg/L)
Jan-88	2311	2311	925	0	2446	1779	1000
Feb-88	4087	4087	1635	0	2599	1890	1063
Mar-88	4628	4628	1852	0	2591	1884	1060
Apr-88	5260	5260	2105	0	2237	1627	915
May-88	6134	6134	2454	0	2191	1593	896
Jun-88	5981	5981	2392	0	2057	1496	842
Jul-88	6086	6086	2434	0	2191	1593	896
Aug-88	6367	6367	2547	0	2345	1705	959
Sep-88	5650	5650	2261	0	2407	1751	985
Oct-88	1952	1952	780	0	2391	1739	978
Nov-88	1916	1916	767	0	2574	1872	1053
Dec-88	3316	3316	1327	0	2757	2005	1128
Jan-89	2314	2314	926	0	2449	1781	1002
Feb-89	4087	4087	1635	0	2599	1890	1063
Mar-89	4628	4628	1852	0	2591	1884	1060
Apr-89	5260	5260	2105	0	2237	1627	915
May-89	6134	6134	2454	0	2191	1593	896
Jun-89	5981	5981	2392	0	2057	1496	842
Jul-89	6086	6086	2434	0	2191	1593	896
Aug-89	6367	6367	2547	0	2345	1705	959
Sep-89	5650	5650	2261	0	2407	1751	985
Oct-89	1952	1952	780	0	2391	1739	978
Nov-89	1916	1916	767	0	2574	1872	1053
Dec-89	3316	3316	1327	0	2757	2005	1128

Jnt Meeting Essex Union Total Organic Carbon Load (kg/d)								
Month	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral	Low BOD Removal BOD = 6.5 (mg/L)	Medium BOD Removal BOD = 4.0 (mg/L)	High BOD Removal BOD = 1.5 (mg/L)	
Jan-88	5600	5600	2241	0	3279	2018	757	
Feb-88	4326	4326	1730	0	3485	2144	804	
Mar-88	5924	5924	2370	0	3472	2137	801	
Apr-88	4654	4654	1860	0	3000	1846	692	
May-88	2164	2164	865	0	2937	1808	678	
Jun-88	2352	2352	941	0	2759	1698	637	
Jul-88	2048	2048	820	0	2935	1806	677	
Aug-88	2684	2684	1073	0	3144	1935	726	
Sep-88	1752	1752	700	0	3227	1986	745	
Oct-88	6220	6220	2486	0	3205	1972	740	
Nov-88	6952	6952	2780	0	3450	2123	796	
Dec-88	8314	8314	3324	0	3698	2276	853	
Jan-89	5608	5608	2244	0	3283	2020	758	
Feb-89	4326	4326	1730	0	3485	2144	804	
Mar-89	5924	5924	2370	0	3472	2137	801	
Apr-89	4654	4654	1860	0	3000	1846	692	
May-89	2164	2164	865	0	2937	1808	678	
Jun-89	2352	2352	941	0	2759	1698	637	
Jul-89	2048	2048	820	0	2935	1806	677	
Aug-89	2684	2684	1073	0	3144	1935	726	
Sep-89	1752	1752	700	0	3227	1986	745	
Oct-89	6220	6220	2486	0	3205	1972	740	
Nov-89	6952	6952	2780	0	3450	2123	796	
Dec-89	8314	8314	3324	0	3698	2276	853	

Month	Rahway Total Nitrogen Load (kg/d)						
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral	Low TN Removal TN = 11.0 (mg/L)	Medium TN Removal TN = 8.0 (mg/L)	High TN Removal TN = 4.5 (mg/L)
Jan-88	1350	1350	541	0	1131	823	463
Feb-88	2007	2007	802	0	1116	812	457
Mar-88	1799	1799	720	0	1204	875	492
Apr-88	1824	1824	730	0	1050	763	429
May-88	1745	1745	697	0	1020	742	417
Jun-88	1553	1553	622	0	1020	742	417
Jul-88	1587	1587	635	0	1087	791	445
Aug-88	1840	1840	736	0	983	715	402
Sep-88	1566	1566	626	0	966	703	395
Oct-88	1262	1262	506	0	950	691	388
Nov-88	1426	1426	570	0	970	706	397
Dec-88	2623	2623	1048	0	1054	766	431
Jan-89	1352	1352	542	0	1133	824	463
Feb-89	2007	2007	802	0	1116	812	457
Mar-89	1799	1799	720	0	1204	875	492
Apr-89	1824	1824	730	0	1050	763	429
May-89	1745	1745	697	0	1020	742	417
Jun-89	1553	1553	622	0	1020	742	417
Jul-89	1587	1587	635	0	1087	791	445
Aug-89	1840	1840	736	0	983	715	402
Sep-89	1566	1566	626	0	966	703	395
Oct-89	1262	1262	506	0	950	691	388
Nov-89	1426	1426	570	0	970	706	397
Dec-89	2623	2623	1048	0	1054	766	431

Month	Rahway Total Organic Carbon Load (kg/d)						
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral	Low BOD Removal BOD = 6.2 (mg/L)	Medium BOD Removal BOD = 4.0 (mg/L)	High BOD Removal BOD = 1.5 (mg/L)
Jan-88	2047	2047	818	0	1426	920	345
Feb-88	3044	3044	1218	0	1407	908	340
Mar-88	2726	2726	1090	0	1518	979	367
Apr-88	2766	2766	1108	0	1323	854	320
May-88	2646	2646	1058	0	1286	830	311
Jun-88	2354	2354	941	0	1286	829	311
Jul-88	2402	2402	960	0	1370	884	331
Aug-88	2786	2786	1115	0	1239	800	300
Sep-88	2370	2370	948	0	1218	786	295
Oct-88	1912	1912	764	0	1197	772	290
Nov-88	2162	2162	865	0	1223	789	296
Dec-88	3976	3976	1592	0	1328	857	321
Jan-89	2050	2050	819	0	1428	921	345
Feb-89	3044	3044	1218	0	1407	908	340
Mar-89	2726	2726	1090	0	1518	979	367
Apr-89	2766	2766	1108	0	1323	854	320
May-89	2646	2646	1058	0	1286	830	311
Jun-89	2354	2354	941	0	1286	829	311
Jul-89	2402	2402	960	0	1370	884	331
Aug-89	2786	2786	1115	0	1239	800	300
Sep-89	2370	2370	948	0	1218	786	295
Oct-89	1912	1912	764	0	1197	772	290
Nov-89	2162	2162	865	0	1223	789	296
Dec-89	3976	3976	1592	0	1328	857	321

Month	Oakwood Beach Total Nitrogen Load (kg/d)							
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral	Low TN Removal TN = N/A (mg/L)	Medium TN Removal TN = N/A (mg/L)	High TN Removal TN = N/A (mg/L)	
Jan-88	1494	1494	597	0	N/A	N/A	N/A	
Feb-88	1415	1415	565	0	N/A	N/A	N/A	
Mar-88	1585	1585	635	0	N/A	N/A	N/A	
Apr-88	2183	2183	873	0	N/A	N/A	N/A	
May-88	1685	1685	674	0	N/A	N/A	N/A	
Jun-88	2813	2813	1125	0	N/A	N/A	N/A	
Jul-88	2867	2867	1146	0	N/A	N/A	N/A	
Aug-88	2534	2534	1013	0	N/A	N/A	N/A	
Sep-88	3272	3272	1308	0	N/A	N/A	N/A	
Oct-88	1310	1310	524	0	N/A	N/A	N/A	
Nov-88	1452	1452	582	0	N/A	N/A	N/A	
Dec-88	1763	1763	706	0	N/A	N/A	N/A	
Jan-89	1496	1496	598	0	N/A	N/A	N/A	
Feb-89	1415	1415	565	0	N/A	N/A	N/A	
Mar-89	1585	1585	635	0	N/A	N/A	N/A	
Apr-89	2183	2183	873	0	N/A	N/A	N/A	
May-89	1685	1685	674	0	N/A	N/A	N/A	
Jun-89	2813	2813	1125	0	N/A	N/A	N/A	
Jul-89	2867	2867	1146	0	N/A	N/A	N/A	
Aug-89	2534	2534	1013	0	N/A	N/A	N/A	
Sep-89	3272	3272	1308	0	N/A	N/A	N/A	
Oct-89	1310	1310	524	0	N/A	N/A	N/A	
Nov-89	1452	1452	582	0	N/A	N/A	N/A	
Dec-89	1763	1763	706	0	N/A	N/A	N/A	



Month	Oakwood Beach Total Organic Carbon Load (kg/d)							
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral	Low BOD Removal BOD = N/A (mg/L)	Medium BOD Removal BOD = N/A (mg/L)	High BOD Removal BOD = N/A (mg/L)	
Jan-88	1271	1271	509	0	N/A	N/A	N/A	
Feb-88	1387	1387	555	0	N/A	N/A	N/A	
Mar-88	1392	1392	557	0	N/A	N/A	N/A	
Apr-88	1412	1412	565	0	N/A	N/A	N/A	
May-88	1368	1368	547	0	N/A	N/A	N/A	
Jun-88	1365	1365	546	0	N/A	N/A	N/A	
Jul-88	1190	1190	476	0	N/A	N/A	N/A	
Aug-88	1190	1190	476	0	N/A	N/A	N/A	
Sep-88	966	966	386	0	N/A	N/A	N/A	
Oct-88	932	932	373	0	N/A	N/A	N/A	
Nov-88	1159	1159	464	0	N/A	N/A	N/A	
Dec-88	1091	1091	436	0	N/A	N/A	N/A	
Jan-89	1273	1273	509	0	N/A	N/A	N/A	
Feb-89	1387	1387	555	0	N/A	N/A	N/A	
Mar-89	1392	1392	557	0	N/A	N/A	N/A	
Apr-89	1412	1412	565	0	N/A	N/A	N/A	
May-89	1368	1368	547	0	N/A	N/A	N/A	
Jun-89	1365	1365	546	0	N/A	N/A	N/A	
Jul-89	1190	1190	476	0	N/A	N/A	N/A	
Aug-89	1190	1190	476	0	N/A	N/A	N/A	
Sep-89	966	966	386	0	N/A	N/A	N/A	
Oct-89	932	932	373	0	N/A	N/A	N/A	
Nov-89	1159	1159	464	0	N/A	N/A	N/A	
Dec-89	1091	1091	436	0	N/A	N/A	N/A	

Month	Middlesex County Total Nitrogen Load (kg/d)						
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral	Low TN Removal TN = 20.0 (mg/L)	Medium TN Removal TN = 11.0 (mg/L)	High TN Removal TN = 4.0 (mg/L)
Jan-88	13935	13935	5579	0	9332	5133	1866
Feb-88	17002	17002	6802	0	8860	4873	1772
Mar-88	14839	14839	5940	0	9095	5002	1819
Apr-88	13180	13180	5276	0	7807	4294	1561
May-88	12276	12276	4902	0	7678	4223	1536
Jun-88	13402	13402	5365	0	7429	4086	1486
Jul-88	12100	12100	4837	0	8072	4440	1614
Aug-88	12672	12672	5076	0	7360	4048	1472
Sep-88	12697	12697	5079	0	7678	4223	1536
Oct-88	14839	14839	5940	0	7542	4148	1508
Nov-88	14861	14861	5942	0	8171	4494	1634
Dec-88	16073	16073	6425	0	8693	4781	1739
Jan-89	13954	13954	5586	0	9344	5139	1869
Feb-89	17002	17002	6802	0	8860	4873	1772
Mar-89	14839	14839	5940	0	9095	5002	1819
Apr-89	13180	13180	5276	0	7807	4294	1561
May-89	12276	12276	4902	0	7678	4223	1536
Jun-89	13402	13402	5365	0	7429	4086	1486
Jul-89	12100	12100	4837	0	8072	4440	1614
Aug-89	12672	12672	5076	0	7360	4048	1472
Sep-89	12697	12697	5079	0	7678	4223	1536
Oct-89	14839	14839	5940	0	7542	4148	1508
Nov-89	14861	14861	5942	0	8171	4494	1634
Dec-89	16073	16073	6425	0	8693	4781	1739

Month	Middlesex County Total Organic Carbon Load (kg/d)							
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral	Low BOD Removal BOD = 6.5 (mg/L)	Medium BOD Removal BOD = 4.0 (mg/L)	High BOD Removal BOD = 1.5 (mg/L)	
Jan-88	17319	17319	6931	0	5858	3605	1352	
Feb-88	15340	15340	6136	0	5565	3425	1284	
Mar-88	20258	20258	8104	0	5711	3514	1318	
Apr-88	23194	23194	9274	0	4905	3019	1132	
May-88	13276	13276	5310	0	4818	2965	1112	
Jun-88	10118	10118	4048	0	4662	2869	1076	
Jul-88	13010	13010	5204	0	5074	3123	1171	
Aug-88	10936	10936	4374	0	4619	2843	1066	
Sep-88	14232	14232	5692	0	4821	2967	1113	
Oct-88	8390	8390	3358	0	4739	2916	1094	
Nov-88	12142	12142	4856	0	5128	3156	1183	
Dec-88	25840	25840	10340	0	5457	3358	1259	
Jan-89	17342	17342	6940	0	5866	3610	1354	
Feb-89	15340	15340	6136	0	5565	3425	1284	
Mar-89	20258	20258	8104	0	5711	3514	1318	
Apr-89	23194	23194	9274	0	4905	3019	1132	
May-89	13276	13276	5310	0	4818	2965	1112	
Jun-89	10118	10118	4048	0	4662	2869	1076	
Jul-89	13010	13010	5204	0	5074	3123	1171	
Aug-89	10936	10936	4374	0	4619	2843	1066	
Sep-89	14232	14232	5692	0	4821	2967	1113	
Oct-89	8390	8390	3358	0	4739	2916	1094	
Nov-89	12142	12142	4856	0	5128	3156	1183	
Dec-89	25840	25840	10340	0	5457	3358	1259	

Month	North River Total Nitrogen Load (kg/d)						
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral	Low TN Removal TN = N/A (mg/L)	Medium TN Removal TN = N/A (mg/L)	High TN Removal TN = N/A (mg/L)
Jan-88	11678	11678	4671	0	N/A	N/A	N/A
Feb-88	9414	9414	3773	0	N/A	N/A	N/A
Mar-88	8707	8707	3480	0	N/A	N/A	N/A
Apr-88	10166	10166	4060	0	N/A	N/A	N/A
May-88	10311	10311	4116	0	N/A	N/A	N/A
Jun-88	10592	10592	4240	0	N/A	N/A	N/A
Jul-88	11909	11909	4768	0	N/A	N/A	N/A
Aug-88	11798	11798	4727	0	N/A	N/A	N/A
Sep-88	11958	11958	4787	0	N/A	N/A	N/A
Oct-88	11869	11869	4756	0	N/A	N/A	N/A
Nov-88	13458	13458	5386	0	N/A	N/A	N/A
Dec-88	9823	9823	3930	0	N/A	N/A	N/A
Jan-89	11693	11693	4677	0	N/A	N/A	N/A
Feb-89	9414	9414	3773	0	N/A	N/A	N/A
Mar-89	8707	8707	3480	0	N/A	N/A	N/A
Apr-89	10166	10166	4060	0	N/A	N/A	N/A
May-89	10311	10311	4116	0	N/A	N/A	N/A
Jun-89	10592	10592	4240	0	N/A	N/A	N/A
Jul-89	11909	11909	4768	0	N/A	N/A	N/A
Aug-89	11798	11798	4727	0	N/A	N/A	N/A
Sep-89	11958	11958	4787	0	N/A	N/A	N/A
Oct-89	11869	11869	4756	0	N/A	N/A	N/A
Nov-89	13458	13458	5386	0	N/A	N/A	N/A
Dec-89	9823	9823	3930	0	N/A	N/A	N/A

Month	North River Total Organic Carbon Load (kg/d)							
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral	Low BOD Removal BOD = N/A (mg/L)	Medium BOD Removal BOD = N/A (mg/L)	High BOD Removal BOD = N/A (mg/L)	
Jan-88	10646	10646	4258	0	N/A	N/A	N/A	
Feb-88	9076	9076	3628	0	N/A	N/A	N/A	
Mar-88	8680	8680	3472	0	N/A	N/A	N/A	
Apr-88	8496	8496	3400	0	N/A	N/A	N/A	
May-88	8548	8548	3420	0	N/A	N/A	N/A	
Jun-88	9596	9596	3838	0	N/A	N/A	N/A	
Jul-88	10226	10226	4090	0	N/A	N/A	N/A	
Aug-88	9316	9316	3726	0	N/A	N/A	N/A	
Sep-88	11788	11788	4714	0	N/A	N/A	N/A	
Oct-88	9978	9978	3992	0	N/A	N/A	N/A	
Nov-88	12142	12142	4856	0	N/A	N/A	N/A	
Dec-88	15032	15032	6012	0	N/A	N/A	N/A	
Jan-89	10660	10660	4264	0	N/A	N/A	N/A	
Feb-89	9076	9076	3628	0	N/A	N/A	N/A	
Mar-89	8680	8680	3472	0	N/A	N/A	N/A	
Apr-89	8496	8496	3400	0	N/A	N/A	N/A	
May-89	8548	8548	3420	0	N/A	N/A	N/A	
Jun-89	9596	9596	3838	0	N/A	N/A	N/A	
Jul-89	10226	10226	4090	0	N/A	N/A	N/A	
Aug-89	9316	9316	3726	0	N/A	N/A	N/A	
Sep-89	11788	11788	4714	0	N/A	N/A	N/A	
Oct-89	9978	9978	3992	0	N/A	N/A	N/A	
Nov-89	12142	12142	4856	0	N/A	N/A	N/A	
Dec-89	15032	15032	6012	0	N/A	N/A	N/A	

Month	Owls Head Total Nitrogen Load (kg/d)							
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral	Low TN Removal TN = N/A (mg/L)	Medium TN Removal TN = N/A (mg/L)	High TN Removal TN = N/A (mg/L)	
Jan-88	9635	9635	3858	0	N/A	N/A	N/A	
Feb-88	7875	7875	3146	0	N/A	N/A	N/A	
Mar-88	8643	8643	3454	0	N/A	N/A	N/A	
Apr-88	7311	7311	2933	0	N/A	N/A	N/A	
May-88	7092	7092	2838	0	N/A	N/A	N/A	
Jun-88	7332	7332	2933	0	N/A	N/A	N/A	
Jul-88	9740	9740	3904	0	N/A	N/A	N/A	
Aug-88	7195	7195	2870	0	N/A	N/A	N/A	
Sep-88	7268	7268	2908	0	N/A	N/A	N/A	
Oct-88	7520	7520	3004	0	N/A	N/A	N/A	
Nov-88	9347	9347	3730	0	N/A	N/A	N/A	
Dec-88	11727	11727	4686	0	N/A	N/A	N/A	
Jan-89	9648	9648	3863	0	N/A	N/A	N/A	
Feb-89	7875	7875	3146	0	N/A	N/A	N/A	
Mar-89	8643	8643	3454	0	N/A	N/A	N/A	
Apr-89	7311	7311	2933	0	N/A	N/A	N/A	
May-89	7092	7092	2838	0	N/A	N/A	N/A	
Jun-89	7332	7332	2933	0	N/A	N/A	N/A	
Jul-89	9740	9740	3904	0	N/A	N/A	N/A	
Aug-89	7195	7195	2870	0	N/A	N/A	N/A	
Sep-89	7268	7268	2908	0	N/A	N/A	N/A	
Oct-89	7520	7520	3004	0	N/A	N/A	N/A	
Nov-89	9347	9347	3730	0	N/A	N/A	N/A	
Dec-89	11727	11727	4686	0	N/A	N/A	N/A	

Month	Owls Head Total Organic Carbon Load (kg/d)							
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral	Low BOD Removal BOD = N/A (mg/L)	Medium BOD Removal BOD = N/A (mg/L)	High BOD Removal BOD = N/A (mg/L)	
Jan-88	9645	9645	3859	0	N/A	N/A	N/A	
Feb-88	10842	10842	4338	0	N/A	N/A	N/A	
Mar-88	8846	8846	3540	0	N/A	N/A	N/A	
Apr-88	8368	8368	3348	0	N/A	N/A	N/A	
May-88	9062	9062	3626	0	N/A	N/A	N/A	
Jun-88	8436	8436	3376	0	N/A	N/A	N/A	
Jul-88	8784	8784	3514	0	N/A	N/A	N/A	
Aug-88	6194	6194	2478	0	N/A	N/A	N/A	
Sep-88	6294	6294	2518	0	N/A	N/A	N/A	
Oct-88	10666	10666	4266	0	N/A	N/A	N/A	
Nov-88	21820	21820	8736	0	N/A	N/A	N/A	
Dec-88	11714	11714	4688	0	N/A	N/A	N/A	
Jan-89	9658	9658	3864	0	N/A	N/A	N/A	
Feb-89	10842	10842	4338	0	N/A	N/A	N/A	
Mar-89	8846	8846	3540	0	N/A	N/A	N/A	
Apr-89	8368	8368	3348	0	N/A	N/A	N/A	
May-89	9062	9062	3626	0	N/A	N/A	N/A	
Jun-89	8436	8436	3376	0	N/A	N/A	N/A	
Jul-89	8784	8784	3514	0	N/A	N/A	N/A	
Aug-89	6194	6194	2478	0	N/A	N/A	N/A	
Sep-89	6294	6294	2518	0	N/A	N/A	N/A	
Oct-89	10666	10666	4266	0	N/A	N/A	N/A	
Nov-89	21820	21820	8736	0	N/A	N/A	N/A	
Dec-89	11714	11714	4688	0	N/A	N/A	N/A	

Month	Yonkers Total Nitrogen Load (kg/d)							
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral	Low TN Removal TN = N/A (mg/L)	Medium TN Removal TN = N/A (mg/L)	High TN Removal TN = N/A (mg/L)	
Jan-88	4906	4906	1962	0	N/A	N/A	N/A	
Feb-88	5075	5075	2030	0	N/A	N/A	N/A	
Mar-88	4975	4975	1990	0	N/A	N/A	N/A	
Apr-88	4737	4737	1895	0	N/A	N/A	N/A	
May-88	4126	4126	1651	0	N/A	N/A	N/A	
Jun-88	6047	6047	2411	0	N/A	N/A	N/A	
Jul-88	5964	5964	2382	0	N/A	N/A	N/A	
Aug-88	4567	4567	1827	0	N/A	N/A	N/A	
Sep-88	5924	5924	2370	0	N/A	N/A	N/A	
Oct-88	5236	5236	2094	0	N/A	N/A	N/A	
Nov-88	6172	6172	2469	0	N/A	N/A	N/A	
Dec-88	3958	3958	1583	0	N/A	N/A	N/A	
Jan-89	4913	4913	1965	0	N/A	N/A	N/A	
Feb-89	5075	5075	2030	0	N/A	N/A	N/A	
Mar-89	4975	4975	1990	0	N/A	N/A	N/A	
Apr-89	4737	4737	1895	0	N/A	N/A	N/A	
May-89	4126	4126	1651	0	N/A	N/A	N/A	
Jun-89	6047	6047	2411	0	N/A	N/A	N/A	
Jul-89	5964	5964	2382	0	N/A	N/A	N/A	
Aug-89	4567	4567	1827	0	N/A	N/A	N/A	
Sep-89	5924	5924	2370	0	N/A	N/A	N/A	
Oct-89	5236	5236	2094	0	N/A	N/A	N/A	
Nov-89	6172	6172	2469	0	N/A	N/A	N/A	
Dec-89	3958	3958	1583	0	N/A	N/A	N/A	



Month	Yonkers Total Organic Carbon Load (kg/d)							
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral	Low BOD Removal BOD = N/A (mg/L)	Medium BOD Removal BOD = N/A (mg/L)	High BOD Removal BOD = N/A (mg/L)	
Jan-88	8582	8582	3433	0	N/A	N/A	N/A	
Feb-88	7194	7194	2878	0	N/A	N/A	N/A	
Mar-88	6126	6126	2450	0	N/A	N/A	N/A	
Apr-88	6814	6814	2726	0	N/A	N/A	N/A	
May-88	5442	5442	2176	0	N/A	N/A	N/A	
Jun-88	5380	5380	2154	0	N/A	N/A	N/A	
Jul-88	4638	4638	1856	0	N/A	N/A	N/A	
Aug-88	1988	1988	795	0	N/A	N/A	N/A	
Sep-88	2758	2758	1104	0	N/A	N/A	N/A	
Oct-88	1934	1934	773	0	N/A	N/A	N/A	
Nov-88	4084	4084	1633	0	N/A	N/A	N/A	
Dec-88	5592	5592	2240	0	N/A	N/A	N/A	
Jan-89	8594	8594	3438	0	N/A	N/A	N/A	
Feb-89	7194	7194	2878	0	N/A	N/A	N/A	
Mar-89	6126	6126	2450	0	N/A	N/A	N/A	
Apr-89	6814	6814	2726	0	N/A	N/A	N/A	
May-89	5442	5442	2176	0	N/A	N/A	N/A	
Jun-89	5380	5380	2154	0	N/A	N/A	N/A	
Jul-89	4638	4638	1856	0	N/A	N/A	N/A	
Aug-89	1988	1988	795	0	N/A	N/A	N/A	
Sep-89	2758	2758	1104	0	N/A	N/A	N/A	
Oct-89	1934	1934	773	0	N/A	N/A	N/A	
Nov-89	4084	4084	1633	0	N/A	N/A	N/A	
Dec-89	5592	5592	2240	0	N/A	N/A	N/A	

Month	North Bergen Woodcliff Total Nitrogen Load (kg/d)						
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral	Low TN Removal TN = 24.5 (mg/L)	Medium TN Removal TN = 11.0 (mg/L)	High TN Removal TN = 4.0 (mg/L)
Jan-88	153	153	61	0	250	112	41
Feb-88	166	166	66	0	250	112	41
Mar-88	159	159	63	0	232	104	38
Apr-88	146	146	59	0	223	100	36
May-88	158	158	63	0	241	108	39
Jun-88	184	184	74	0	241	108	39
Jul-88	164	164	65	0	232	104	38
Aug-88	146	146	58	0	213	96	35
Sep-88	144	144	57	0	213	96	35
Oct-88	154	154	61	0	213	96	35
Nov-88	158	158	63	0	223	100	36
Dec-88	176	176	71	0	250	112	41
Jan-89	153	153	61	0	250	112	41
Feb-89	166	166	66	0	250	112	41
Mar-89	159	159	63	0	232	104	38
Apr-89	146	146	59	0	223	100	36
May-89	158	158	63	0	241	108	39
Jun-89	184	184	74	0	241	108	39
Jul-89	164	164	65	0	232	104	38
Aug-89	146	146	58	0	213	96	35
Sep-89	144	144	57	0	213	96	35
Oct-89	154	154	61	0	213	96	35
Nov-89	158	158	63	0	223	100	36
Dec-89	176	176	71	0	250	112	41

Month	North Bergen Woodcliff Total Organic Carbon Load (kg/d)						
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral	Low BOD Removal BOD = 6.5 (mg/L)	Medium BOD Removal BOD = 4.0 (mg/L)	High BOD Removal BOD = 1.5 (mg/L)
Jan-88	344	344	137	0	149	91	34
Feb-88	513	513	205	0	149	92	34
Mar-88	407	407	163	0	138	85	32
Apr-88	366	366	147	0	132	81	31
May-88	316	316	127	0	143	88	33
Jun-88	267	267	107	0	143	88	33
Jul-88	230	230	92	0	138	85	32
Aug-88	253	253	101	0	127	78	29
Sep-88	203	203	81	0	127	78	29
Oct-88	270	270	108	0	127	78	29
Nov-88	397	397	159	0	132	81	31
Dec-88	315	315	126	0	149	92	34
Jan-89	344	344	138	0	149	92	34
Feb-89	513	513	205	0	149	92	34
Mar-89	407	407	163	0	138	85	32
Apr-89	366	366	147	0	132	81	31
May-89	316	316	127	0	143	88	33
Jun-89	267	267	107	0	143	88	33
Jul-89	230	230	92	0	138	85	32
Aug-89	253	253	101	0	127	78	29
Sep-89	203	203	81	0	127	78	29
Oct-89	270	270	108	0	127	78	29
Nov-89	397	397	159	0	132	81	31
Dec-89	315	315	126	0	149	92	34

Month	Hoboken Total Nitrogen Load (kg/d)						
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral	Low TN Removal TN = 26.0 (mg/L)	Medium TN Removal TN = 11.0 (mg/L)	High TN Removal TN = 4.0 (mg/L)
Jan-88	499	499	200	0	1170	495	180
Feb-88	578	578	231	0	1093	462	168
Mar-88	242	242	97	0	1034	437	159
Apr-88	507	507	203	0	1024	433	158
May-88	735	735	295	0	1063	450	164
Jun-88	1383	1383	553	0	1063	450	164
Jul-88	953	953	382	0	1122	475	173
Aug-88	1250	1250	500	0	975	412	150
Sep-88	1018	1018	408	0	965	408	148
Oct-88	1386	1386	554	0	1073	454	165
Nov-88	896	896	358	0	1063	450	164
Dec-88	642	642	257	0	1122	475	173
Jan-89	500	500	200	0	1171	496	180
Feb-89	578	578	231	0	1093	462	168
Mar-89	242	242	97	0	1034	437	159
Apr-89	507	507	203	0	1024	433	158
May-89	735	735	295	0	1063	450	164
Jun-89	1383	1383	553	0	1063	450	164
Jul-89	953	953	382	0	1122	475	173
Aug-89	1250	1250	500	0	975	412	150
Sep-89	1018	1018	408	0	965	408	148
Oct-89	1386	1386	554	0	1073	454	165
Nov-89	896	896	358	0	1063	450	164
Dec-89	642	642	257	0	1122	475	173

Month	Hoboken Total Organic Carbon Load (kg/d)						
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral	Low BOD Removal BOD = 16 (mg/L)	Medium BOD Removal BOD = 4.0 (mg/L)	High BOD Removal BOD = 1.5 (mg/L)
Jan-88	856	856	342	0	1424	356	133
Feb-88	873	873	349	0	1329	332	125
Mar-88	471	471	189	0	1258	315	118
Apr-88	592	592	237	0	1248	312	117
May-88	847	847	339	0	1295	324	121
Jun-88	970	970	388	0	1293	323	121
Jul-88	767	767	307	0	1366	342	128
Aug-88	666	666	266	0	1187	297	111
Sep-88	823	823	329	0	1174	294	110
Oct-88	732	732	293	0	1306	326	122
Nov-88	649	649	259	0	1295	324	121
Dec-88	902	902	361	0	1366	341	128
Jan-89	857	857	343	0	1426	356	134
Feb-89	873	873	349	0	1329	332	125
Mar-89	471	471	189	0	1258	315	118
Apr-89	592	592	237	0	1248	312	117
May-89	847	847	339	0	1295	324	121
Jun-89	970	970	388	0	1293	323	121
Jul-89	767	767	307	0	1366	342	128
Aug-89	666	666	266	0	1187	297	111
Sep-89	823	823	329	0	1174	294	110
Oct-89	732	732	293	0	1306	326	122
Nov-89	649	649	259	0	1295	324	121
Dec-89	902	902	361	0	1366	341	128

Month	West New York Total Nitrogen Load (kg/d)						
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral	Low TN Removal TN = 24.5 (mg/L)	Medium TN Removal TN = 11.0 (mg/L)	High TN Removal TN = 4.0 (mg/L)
Jan-88	490	490	196	0	963	433	157
Feb-88	473	473	189	0	955	429	156
Mar-88	425	425	170	0	872	391	142
Apr-88	426	426	170	0	844	379	138
May-88	434	434	174	0	835	375	136
Jun-88	528	528	211	0	826	371	135
Jul-88	597	597	239	0	770	346	126
Aug-88	407	407	163	0	631	283	103
Sep-88	318	318	127	0	612	275	100
Oct-88	517	517	207	0	863	387	141
Nov-88	544	544	218	0	900	404	147
Dec-88	563	563	225	0	937	421	153
Jan-89	491	491	196	0	965	433	158
Feb-89	473	473	189	0	955	429	156
Mar-89	425	425	170	0	872	391	142
Apr-89	426	426	170	0	844	379	138
May-89	434	434	174	0	835	375	136
Jun-89	528	528	211	0	826	371	135
Jul-89	597	597	239	0	770	346	126
Aug-89	407	407	163	0	631	283	103
Sep-89	318	318	127	0	612	275	100
Oct-89	517	517	207	0	863	387	141
Nov-89	544	544	218	0	900	404	147
Dec-89	563	563	225	0	937	421	153

Month	West New York Total Organic Carbon Load (kg/d)						
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral	Low BOD Removal BOD = 6.5 (mg/L)	Medium BOD Removal BOD = 4.0 (mg/L)	High BOD Removal BOD = 1.5 (mg/L)
Jan-88	1077	1077	431	0	565	347	130
Feb-88	1378	1378	551	0	560	345	129
Mar-88	1181	1181	472	0	511	315	118
Apr-88	1966	1966	787	0	495	305	114
May-88	1171	1171	468	0	490	302	113
Jun-88	979	979	392	0	484	298	112
Jul-88	1113	1113	445	0	451	278	104
Aug-88	626	626	250	0	370	228	85
Sep-88	615	615	246	0	359	221	83
Oct-88	1406	1406	562	0	506	311	117
Nov-88	1236	1236	495	0	528	325	122
Dec-88	966	966	386	0	550	338	127
Jan-89	1078	1078	431	0	565	348	130
Feb-89	1378	1378	551	0	560	345	129
Mar-89	1181	1181	472	0	511	315	118
Apr-89	1966	1966	787	0	495	305	114
May-89	1171	1171	468	0	490	302	113
Jun-89	979	979	392	0	484	298	112
Jul-89	1113	1113	445	0	451	278	104
Aug-89	626	626	250	0	370	228	85
Sep-89	615	615	246	0	359	221	83
Oct-89	1406	1406	562	0	506	311	117
Nov-89	1236	1236	495	0	528	325	122
Dec-89	966	966	386	0	550	338	127

Month	Passaic Valley Total Nitrogen Load (kg/d)						
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral	Low TN Removal TN = 20.0 (mg/L)	Medium TN Removal TN = 11.0 (mg/L)	High TN Removal TN = 4.0 (mg/L)
Jan-88	26788	26788	10724	0	20948	11521	4190
Feb-88	35782	35782	14322	0	20370	11203	4074
Mar-88	35752	35752	14302	0	20521	11287	4104
Apr-88	28710	28710	11484	0	18704	10287	3741
May-88	29556	29556	11822	0	19840	10912	3968
Jun-88	24046	24046	9620	0	19613	10787	3923
Jul-88	24560	24560	9824	0	20294	11162	4059
Aug-88	29706	29706	11881	0	19461	10704	3892
Sep-88	25971	25971	10388	0	18553	10204	3711
Oct-88	31906	31906	12762	0	18931	10412	3786
Nov-88	29320	29320	11726	0	19537	10745	3907
Dec-88	26740	26740	10700	0	20521	11287	4104
Jan-89	26824	26824	10738	0	20976	11537	4195
Feb-89	35782	35782	14322	0	20370	11203	4074
Mar-89	35752	35752	14302	0	20521	11287	4104
Apr-89	28710	28710	11484	0	18704	10287	3741
May-89	29556	29556	11822	0	19840	10912	3968
Jun-89	24046	24046	9620	0	19613	10787	3923
Jul-89	24560	24560	9824	0	20294	11162	4059
Aug-89	29706	29706	11881	0	19461	10704	3892
Sep-89	25971	25971	10388	0	18553	10204	3711
Oct-89	31906	31906	12762	0	18931	10412	3786
Nov-89	29320	29320	11726	0	19537	10745	3907
Dec-89	26740	26740	10700	0	20521	11287	4104



Month	Passaic Valley Total Organic Carbon Load (kg/d)						
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral	Low BOD Removal BOD = 6.5 (mg/L)	Medium BOD Removal BOD = 4.0 (mg/L)	High BOD Removal BOD = 1.5 (mg/L)
Jan-88	42942	42942	17161	0	12780	7865	2949
Feb-88	43720	43720	17500	0	12424	7645	2867
Mar-88	48100	48100	19248	0	12521	7706	2890
Apr-88	52940	52940	21184	0	11414	7024	2634
May-88	42620	42620	17048	0	12107	7450	2794
Jun-88	38280	38280	15308	0	11964	7362	2761
Jul-88	35660	35660	14256	0	12380	7619	2857
Aug-88	41800	41800	16724	0	11871	7305	2739
Sep-88	32600	32600	13028	0	11322	6968	2613
Oct-88	35120	35120	14040	0	11554	7110	2666
Nov-88	40040	40040	16036	0	11921	7336	2751
Dec-88	40060	40060	16036	0	12517	7703	2889
Jan-89	43000	43000	17184	0	12797	7875	2953
Feb-89	43720	43720	17500	0	12424	7645	2867
Mar-89	48100	48100	19248	0	12521	7706	2890
Apr-89	52940	52940	21184	0	11414	7024	2634
May-89	42620	42620	17048	0	12107	7450	2794
Jun-89	38280	38280	15308	0	11964	7362	2761
Jul-89	35660	35660	14256	0	12380	7619	2857
Aug-89	41800	41800	16724	0	11871	7305	2739
Sep-89	32600	32600	13028	0	11322	6968	2613
Oct-89	35120	35120	14040	0	11554	7110	2666
Nov-89	40040	40040	16036	0	11921	7336	2751
Dec-89	40060	40060	16036	0	12517	7703	2889

Month	Edgewater Total Nitrogen Load (kg/d)						
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral	Low TN Removal TN = 20.0 (mg/L)	Medium TN Removal TN = 11.0 (mg/L)	High TN Removal TN = 4.0 (mg/L)
Jan-88	268	268	107	0	287	158	57
Feb-88	214	214	86	0	242	133	48
Mar-88	175	175	70	0	227	125	45
Apr-88	187	187	75	0	204	112	41
May-88	165	165	66	0	204	112	41
Jun-88	154	154	62	0	197	108	39
Jul-88	152	152	61	0	197	108	39
Aug-88	121	121	48	0	182	100	36
Sep-88	128	128	51	0	197	108	39
Oct-88	236	236	94	0	220	121	44
Nov-88	131	131	52	0	257	142	51
Dec-88	187	187	75	0	273	150	55
Jan-89	269	269	107	0	288	158	58
Feb-89	214	214	86	0	242	133	48
Mar-89	175	175	70	0	227	125	45
Apr-89	187	187	75	0	204	112	41
May-89	165	165	66	0	204	112	41
Jun-89	154	154	62	0	197	108	39
Jul-89	152	152	61	0	197	108	39
Aug-89	121	121	48	0	182	100	36
Sep-89	128	128	51	0	197	108	39
Oct-89	236	236	94	0	220	121	44
Nov-89	131	131	52	0	257	142	51
Dec-89	187	187	75	0	273	150	55

Month	Edgewater Total Organic Carbon Load (kg/d)						
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral	Low BOD Removal BOD = 6.5 (mg/L)	Medium BOD Removal BOD = 4.0 (mg/L)	High BOD Removal BOD = 1.5 (mg/L)
Jan-88	315	315	126	0	208	128	48
Feb-88	264	264	105	0	175	108	40
Mar-88	284	284	113	0	164	101	38
Apr-88	257	257	103	0	148	91	34
May-88	266	266	106	0	148	91	34
Jun-88	187	187	75	0	143	88	33
Jul-88	208	208	83	0	143	88	33
Aug-88	210	210	84	0	132	81	30
Sep-88	219	219	88	0	143	88	33
Oct-88	212	212	85	0	159	98	37
Nov-88	303	303	121	0	186	115	43
Dec-88	357	357	143	0	197	121	46
Jan-89	315	315	126	0	208	128	48
Feb-89	264	264	105	0	175	108	40
Mar-89	284	284	113	0	164	101	38
Apr-89	257	257	103	0	148	91	34
May-89	266	266	106	0	148	91	34
Jun-89	187	187	75	0	143	88	33
Jul-89	208	208	83	0	143	88	33
Aug-89	210	210	84	0	132	81	30
Sep-89	219	219	88	0	143	88	33
Oct-89	212	212	85	0	159	98	37
Nov-89	303	303	121	0	186	115	43
Dec-89	357	357	143	0	197	121	46

Month	Atmospheric Load Total Nitrogen Deposition Rate (kg/m <sup>2</sup> -d)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	1.93E-06	1.44E-06	1.44E-06	1.47E-07
Feb-88	2.58E-06	1.92E-06	1.92E-06	1.96E-07
Mar-88	3.18E-06	2.38E-06	2.38E-06	2.42E-07
Apr-88	3.09E-06	2.31E-06	2.31E-06	2.36E-07
May-88	5.96E-06	4.45E-06	4.45E-06	4.54E-07
Jun-88	4.52E-06	3.37E-06	3.37E-06	3.44E-07
Jul-88	3.46E-06	2.58E-06	2.58E-06	2.63E-07
Aug-88	5.08E-06	3.79E-06	3.79E-06	3.87E-07
Sep-88	3.37E-06	2.52E-06	2.52E-06	2.57E-07
Oct-88	2.65E-06	1.98E-06	1.98E-06	2.02E-07
Nov-88	5.66E-06	4.23E-06	4.23E-06	4.31E-07
Dec-88	1.66E-06	1.24E-06	1.24E-06	1.27E-07
Jan-89	1.93E-06	1.44E-06	1.44E-06	1.47E-07
Feb-89	2.58E-06	1.92E-06	1.92E-06	1.96E-07
Mar-89	3.18E-06	2.38E-06	2.38E-06	2.42E-07
Apr-89	3.09E-06	2.31E-06	2.31E-06	2.36E-07
May-89	5.96E-06	4.45E-06	4.45E-06	4.54E-07
Jun-89	4.52E-06	3.37E-06	3.37E-06	3.44E-07
Jul-89	3.46E-06	2.58E-06	2.58E-06	2.63E-07
Aug-89	5.08E-06	3.79E-06	3.79E-06	3.87E-07
Sep-89	3.37E-06	2.52E-06	2.52E-06	2.57E-07
Oct-89	2.65E-06	1.98E-06	1.98E-06	2.02E-07
Nov-89	5.66E-06	4.23E-06	4.23E-06	4.31E-07
Dec-89	1.66E-06	1.24E-06	1.24E-06	1.27E-07

Month	Atmospheric Load Total Organic Carbon Deposition Rate (kg/m <sup>2</sup> -d)			
	Baseline	Baseline + CAIR + LISS TMDL + JB Consent Order	HydroQual Scenario	Pastoral
Jan-88	2.19E-06	2.19E-06	2.19E-06	1.67E-07
Feb-88	3.40E-06	3.40E-06	3.40E-06	2.59E-07
Mar-88	4.55E-06	4.55E-06	4.55E-06	3.46E-07
Apr-88	4.38E-06	4.38E-06	4.38E-06	3.34E-07
May-88	9.79E-06	9.79E-06	9.79E-06	7.46E-07
Jun-88	7.06E-06	7.06E-06	7.06E-06	5.38E-07
Jul-88	5.07E-06	5.07E-06	5.07E-06	3.86E-07
Aug-88	8.12E-06	8.12E-06	8.12E-06	6.18E-07
Sep-88	4.91E-06	4.91E-06	4.91E-06	3.74E-07
Oct-88	3.55E-06	3.55E-06	3.55E-06	2.70E-07
Nov-88	9.22E-06	9.22E-06	9.22E-06	7.02E-07
Dec-88	1.69E-06	1.69E-06	1.69E-06	1.29E-07
Jan-89	2.19E-06	2.19E-06	2.19E-06	1.67E-07
Feb-89	3.40E-06	3.40E-06	3.40E-06	2.59E-07
Mar-89	4.55E-06	4.55E-06	4.55E-06	3.46E-07
Apr-89	4.38E-06	4.38E-06	4.38E-06	3.34E-07
May-89	9.79E-06	9.79E-06	9.79E-06	7.46E-07
Jun-89	7.06E-06	7.06E-06	7.06E-06	5.38E-07
Jul-89	5.07E-06	5.07E-06	5.07E-06	3.86E-07
Aug-89	8.12E-06	8.12E-06	8.12E-06	6.18E-07
Sep-89	4.91E-06	4.91E-06	4.91E-06	3.74E-07
Oct-89	3.55E-06	3.55E-06	3.55E-06	2.70E-07
Nov-89	9.22E-06	9.22E-06	9.22E-06	7.02E-07
Dec-89	1.69E-06	1.69E-06	1.69E-06	1.29E-07