

Nowshera



**NOWSHERA
DISCHARGE
1964**

m3/s Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	232.9	245.4	254.4	583.0	1256.5	1355.6	2708.3	1299.0	905.6	300.0	180.0	256.7
2	237.4	272.5	239.7	724.5	1216.9	1262.2	2830.0	1205.6	916.9	282.7	179.1	278.2
3	255.5	249.9	264.6	922.6	1403.7	1231.1	3028.1	1132.0	916.9	278.2	178.0	285.8
4	256.7	266.9	308.5	1225.4	1460.3	1129.2	3226.2	1129.2	902.8	281.6	185.9	260.1
5	253.3	260.1	319.8	942.4	1460.3	1083.9	3339.4	1132.0	851.8	213.7	181.7	262.3
6	268.0	228.4	319.8	815.0	1358.4	1098.0	3056.4	1117.9	783.9	249.9	178.9	285.8
7	319.8	246.5	275.9	781.1	1355.6	1168.8	2623.4	1117.9	761.3	225.0	178.0	256.7
8	382.1	210.3	269.1	922.6	1432.0	1132.0	2450.8	1149.0	747.1	251.0	180.8	281.6
9	393.4	222.7	247.6	868.8	1366.9	1248.0	2439.5	1191.4	718.8	234.0	264.6	271.4
10	350.9	187.9	245.4	860.3	1426.3	1415.0	2530.0	1259.4	735.8	237.4	322.6	239.7
11	302.8	204.6	302.8	1482.9	1398.0	1525.4	2518.7	1403.7	758.4	261.2	308.5	227.2
12	300.0	206.9	350.9	1964.0	1508.4	1686.7	2501.7	1417.8	704.7	268.0	319.8	266.9
13	277.1	191.9	314.1	1720.6	1579.1	1624.4	2716.8	1465.9	636.8	288.7	314.1	264.6
14	283.0	212.5	288.7	1587.6	1794.2	1720.6	3480.9	1375.4	616.9	277.1	280.5	218.2
15	288.7	181.0	339.6	1545.2	1757.4	1715.0	3622.4	1358.4	611.3	281.6	255.5	263.5
16	288.7	169.8	342.4	1901.8	1644.2	1890.4	3169.6	1678.2	611.3	288.7	184.8	225.0
17	277.1	232.9	410.4	2000.8	1655.6	2043.3	2597.9	1859.3	633.9	280.5	242.0	212.5
18	270.3	441.5	410.4	1630.1	1556.5	2142.3	2139.5	1692.3	721.7	300.0	223.9	229.5
19	266.9	416.0	506.6	1420.7	1488.6	2207.4	1814.0	1658.4	687.7	247.6	225.0	188.8
20	266.9	365.1	532.0	1267.8	1463.1	2139.5	1457.5	1454.6	667.9	263.5	230.6	253.3
21	278.2	339.6	495.3	1248.0	1613.1	2133.8	1253.7	1417.8	611.3	255.5	191.9	252.2
22	291.5	285.8	498.1	1253.7	1511.2	2097.0	1191.4	1488.6	543.4	258.9	230.6	249.9
23	302.8	285.8	452.8	1248.0	1228.2	2119.7	1239.5	1446.1	506.6	239.7	194.7	272.5
24	297.2	285.8	467.0	1267.8	1123.5	2300.8	1324.4	1301.8	506.6	239.7	253.3	317.0
25	269.1	238.6	515.1	1299.0	1038.6	2411.2	1729.1	1233.9	472.6	262.3	252.2	319.8
26	283.0	226.1	557.5	1607.4	987.7	2414.0	1740.5	1228.2	424.5	225.0	244.2	280.5
27	257.8	206.9	500.9	1553.7	1013.1	2391.4	1825.4	1180.1	427.3	260.1	184.0	266.9
28	272.5	215.9	455.6	1386.7	1055.6	2399.8	1833.8	1089.6	339.6	204.6	205.2	242.0
29	255.5	210.3	461.3	1290.5	1185.8	2498.9	1884.8	1117.9	362.2	214.8	237.4	255.5
30	254.4		450.0	1253.7	1245.2	2623.4	1777.2	1010.3	314.1	180.8	229.5	264.6
31	279.3		512.2		1429.2		1449.0	922.6		176.9		264.6
Total =	8812.6	7310.5	11908.4	38575.7	43035.8	54208.7	71500.0	40534.1	19399.7	7828.6	6834.5	8023.3
Excel Total	8812.6	7310.5	11908.4	38575.7	43013.2	54208.7	71500.0	40534.1	19399.7	7828.6	6837.3	8013.1
Ave.	284.2781	252.0847	384.1405	1285.858	1387.522	1806.955	2306.45	1307.551	616.655	252.5364	227.9093	258.4885

**NOWSHERA
DISCHARGE
1965**

m3/s Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	274.8	264.6	255.5	710.3	1567.8	3339.4	3452.6	2292.3	902.8	353.8	266.9	294.3
2	228.4	255.5	282.7	798.1	1587.6	3396.0	3480.9	2071.6	840.5	396.2	277.1	297.2
3	255.5	263.5	255.5	733.0	1579.1	3480.9	3424.3	1910.3	798.1	382.1	270.3	300.0
4	219.3	461.3	238.6	673.5	1706.5	3480.9	3282.8	1791.4	707.5	382.1	294.3	294.3
5	258.9	568.8	242.0	687.7	1822.5	3452.6	3282.8	1771.6	665.1	404.7	283.0	291.5
6	264.6	489.6	194.7	713.2	2116.8	3197.9	3028.1	1638.6	633.9	356.6	285.8	291.5
7	238.6	413.2	238.6	894.3	2728.1	2999.8	2651.7	1675.4	619.8	350.9	283.0	285.8
8	278.2	373.6	251.0	959.4	2728.1	2886.6	2702.7	1525.4	608.5	325.5	270.3	291.5
9	192.7	342.4	288.7	922.6	2167.8	2999.8	2858.3	1511.2	622.6	331.1	294.3	283.0
10	212.5	314.1	339.6	880.1	1848.0	2943.2	2971.5	1672.5	662.2	322.6	308.5	322.6
11	180.0	328.3	331.1	829.2	1862.1	2796.0	2784.7	1703.7	622.6	311.3	274.8	256.7
12	253.3	328.3	297.2	764.1	1969.7	3028.1	2665.9	1686.7	543.4	305.6	285.8	277.1
13	266.9	373.6	291.5	1392.4	2009.3	3339.4	2612.1	1542.4	506.6	297.2	265.7	280.5
14	240.8	356.6	294.3	1468.8	1938.6	3650.7	2858.3	1434.8	483.9	275.9	365.1	291.5
15	210.3	314.1	314.1	1310.3	1995.2	3877.1	3028.1	1361.2	455.6	314.1	450.0	285.8
16	182.8	317.0	384.9	1222.6	2054.6	3962.0	3396.0	1242.4	452.8	271.4	416.0	282.7
17	215.9	317.0	478.3	1344.3	2148.0	3792.2	3707.3	1188.6	435.8	280.5	373.6	270.3
18	178.9	331.1	619.8	1876.3	2278.2	3792.2	4018.6	1194.3	424.5	291.5	365.1	239.7
19	325.5	336.8	682.0	4103.5	2411.2	3820.5	3848.8	1182.9	441.5	317.0	348.1	270.3
20	435.8	328.3	699.0	4924.2	2524.4	3877.1	3480.9	1194.3	469.8	281.6	339.6	260.1
21	373.6	308.5	602.8	3254.5	2779.1	3962.0	3311.1	1225.4	455.6	275.9	325.5	291.5
22	348.1	294.3	560.3	2433.8	4471.4	4046.9	3113.0	1482.9	444.3	288.7	336.8	288.7
23	333.9	282.7	563.2	2549.8	6169.4	4103.5	3113.0	1505.6	444.3	272.5	314.1	291.5
24	331.1	279.3	517.9	2999.8	5009.1	4018.6	3226.2	1570.7	348.1	279.3	314.1	311.3
25	308.5	271.4	503.7	2674.4	3622.4	3763.9	3254.5	1341.4	427.3	261.2	325.5	352.2
26	300.0	273.7	472.6	2159.3	3028.1	3622.4	3396.0	1140.5	450.0	282.7	331.1	350.9
27	273.7	260.1	441.5	1910.3	2943.2	3565.8	3707.3	1075.4	424.5	280.5	331.1	328.3
28	288.7	317.0	467.0	1729.1	2971.5	3594.1	3962.0	1064.1	427.3	270.3	322.6	317.0
29	288.7		376.4	1630.1	3056.4	3594.1	3565.8	1061.3	418.8	279.3	314.1	331.1
30	264.6		379.2	1576.3	3141.3	3480.9	3197.9	1004.7	438.7	268.0	314.1	336.8
31	270.3		478.3		3254.5		2640.4	950.9		281.6		362.2
Total =	8294.7	9364.5	12341.9	50125.0	81489.9	105864.6	100023.5	45014.0	16176.3	9591.4	9546.2	9237.7
Excel Total	8294.7	9364.5	12341.9	50125.0	81489.9	105864.6	100023.5	45014.0	16176.3	9591.4	9546.2	9237.7
Ave.	267.5719	334.4454	398.1262	1670.832	2628.705	3528.821	3226.565	1452.064	539.2093	309.4012	318.2052	297.9899

NOWSHERA DISCHARGE

1966

m3/s

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	279.3	258.9	336.8	1030.1	1669.7	1780.1	3679.0	2380.0	922.6	339.6	302.8	264.6
2	314.1	225.0	311.3	993.3	1550.8	1624.4	3452.6	2227.2	891.5	348.1	279.3	311.3
3	294.3	222.7	302.8	866.0	1432.0	1579.1	3311.1	2068.7	953.7	348.1	288.7	219.3
4	345.3	232.9	325.5	965.0	1310.3	1692.3	3028.1	1998.0	1222.6	325.5	297.2	244.2
5	291.5	210.3	506.6	979.2	1443.3	1814.0	2518.7	1964.0	1416.1	333.9	273.7	212.5
6	291.5	192.7	585.8	1004.7	1672.5	1882.0	2153.6	1935.7	1415.0	348.1	314.1	235.2
7	300.0	185.9	506.6	1004.7	1955.5	1887.6	1876.3	2046.1	1205.6	356.6	262.3	247.6
8	274.8	270.3	418.8	1033.0	2204.6	1981.0	1797.1	2031.8	999.0	336.8	294.3	272.5
9	291.5	345.3	379.2	973.5	2269.7	2131.0	1913.1	2068.7	883.0	328.3	279.3	260.1
10	288.7	336.8	373.6	894.3	2232.9	2275.3	2091.4	2006.5	815.0	331.1	255.5	252.2
11	328.3	325.5	399.0	899.9	1921.6	2394.2	2354.6	1782.9	744.3	331.1	251.0	246.5
12	294.3	319.8	413.2	990.5	1658.4	2484.7	2552.7	1715.0	690.5	404.7	228.4	202.3
13	294.3	297.2	452.8	1004.7	1516.9	2592.3	2564.0	1596.1	642.4	331.1	247.6	248.8
14	314.1	302.8	452.8	1355.6	1358.4	2858.3	2414.0	1485.8	602.8	319.8	245.4	231.8
15	285.8	322.6	469.8	1573.5	1290.5	3056.4	2238.5	1420.7	588.6	311.3	258.9	260.1
16	281.6	311.3	475.4	1618.8	1205.6	3254.5	2142.3	1366.9	594.3	300.0	260.1	246.5
17	262.3	281.6	540.5	1907.4	1208.4	3396.0	2085.7	1290.5	656.6	291.5	261.2	237.4
18	297.2	263.5	1066.9	1797.1	1324.4	3679.0	1907.4	1163.1	636.8	294.3	266.9	248.8
19	317.0	255.5	1041.4	1536.7	1485.8	3877.1	1681.0	1106.5	628.3	322.6	232.9	227.2
20	317.0	253.3	792.4	1482.9	1672.5	4160.1	1567.8	1146.2	608.5	362.2	252.2	235.2
21	269.1	317.0	676.4	1553.7	1664.0	4471.4	1576.3	1197.1	583.0	339.6	203.5	225.0
22	241.4	427.3	679.2	1613.1	1856.5	4528.0	1624.4	1168.8	512.2	317.0	262.3	243.1
23	325.5	387.7	837.7	1536.7	1777.2	4329.9	1763.1	1089.6	495.3	314.1	275.9	252.2
24	235.2	331.1	775.4	1482.9	1754.6	4046.9	1918.7	1049.9	489.6	281.6	268.0	217.1
25	281.6	311.3	718.8	1460.3	1729.1	4046.9	2065.9	1038.6	540.5	311.3	240.8	234.0
26	260.1	322.6	840.5	1610.3	1737.6	4075.2	2193.3	987.7	478.3	300.0	223.9	201.2
27	253.3	393.4	1681.0	1828.2	1808.4	4018.6	2176.3	919.8	444.3	264.6	219.3	256.7
28	268.0	362.2	1641.4	2181.9	1842.3	3990.3	2071.6	871.6	424.5	288.7	178.9	271.4
29	214.2		1188.6	2167.8	1842.3	3933.7	2043.3	860.3	399.0	311.3	235.2	266.9
30	260.1		1038.6	1944.2	1890.4	3848.8	1944.2	854.7	399.0	297.2	280.5	270.3
31	236.3		1007.5		1873.5		2091.4	883.0		297.2		260.1
Total =	8840.4	8266.4	21236.3	41289.7	52159.7	91689.2	68797.3	45724.3	21912.7	9987.1	7740.1	7601.9
Excel Total Ave.	8837.5	8266.4	21236.3	41289.7	52159.7	91689.2	68797.3	45724.3	21912.7	9987.1	7740.1	7601.9
Ave.	285.0814	295.2296	685.0426	1376.323	1682.572	3056.306	2219.268	1474.978	730.423	322.1635	258.0017	245.2241

NOWSHERA DISCHARGE

1967

m3/s

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	261.2	190.7	263.5	574.5	2462.1	1584.8	3396.0	2116.8	871.6	458.5	362.2	282.7
2	281.6	187.9	221.6	619.8	2097.0	1848.0	3367.7	2133.8	829.2	418.8	373.6	281.6
3	272.5	182.0	244.2	594.3	1947.0	2207.4	3282.8	2080.1	795.2	387.7	350.9	441.5
4	294.3	178.9	237.4	608.5	1788.6	2289.5	3169.6	2264.0	798.1	444.3	311.3	407.5
5	300.0	188.8	239.7	563.2	1522.5	2238.5	3056.4	2422.5	781.1	396.2	336.8	353.8
6	288.7	176.9	212.5	560.3	1584.8	2179.1	2745.1	2394.2	765.9	435.8	379.2	317.0
7	186.8	168.8	189.6	605.6	1389.5	2264.0	2787.6	2181.9	769.8	367.9	314.1	314.1
8	258.9	180.8	185.9	500.9	1420.7	2422.5	2886.6	1983.8	803.7	339.6	308.5	282.7
9	265.7	219.3	174.0	472.6	1389.5	2677.2	2821.5	1898.9	829.2	336.8	279.3	269.1
10	288.7	202.3	174.9	481.1	1630.1	2943.2	2677.2	1740.5	834.9	393.4	308.5	288.7
11	311.3	163.3	202.3	455.6	1703.7	3113.0	2524.4	1559.3	854.7	376.4	297.2	300.0
12	218.2	203.5	278.2	464.1	1556.5	3254.5	2481.9	1519.7	843.3	350.9	328.3	258.9
13	166.1	186.8	359.4	461.3	1352.7	3537.5	2561.2	1508.4	837.7	308.5	302.8	285.8
14	219.3	193.9	433.0	461.3	1231.1	3452.6	2631.9	1553.7	982.0	314.1	280.5	305.6
15	261.2	184.0	379.2	483.9	1177.3	3197.9	2620.6	1610.3	1072.6	288.7	288.7	280.6
16	261.2	180.8	461.3	600.0	1174.5	2767.7	2651.7	1726.3	965.0	291.5	281.6	256.7
17	258.9	215.9	481.1	574.5	1256.5	2521.5	2462.1	1850.8	823.5	300.0	265.7	382.1
18	222.7	274.8	410.4	752.8	1383.9	2043.3	2470.6	1740.5	738.6	291.5	270.3	342.4
19	218.2	314.1	396.2	888.6	1533.9	1573.5	2371.5	1638.6	713.2	288.7	376.4	291.5
20	214.8	336.8	379.2	792.4	1641.4	1508.4	2193.3	1502.7	639.6	288.7	356.6	264.6
21	190.7	424.5	384.9	769.8	1955.5	1748.9	2232.9	1457.5	577.3	271.4	314.1	265.7
22	215.9	396.2	336.8	829.2	2037.6	1927.2	2241.4	1375.4	506.6	280.5	294.3	288.7
23	192.7	370.7	272.5	871.6	2167.8	2258.3	2331.9	1332.9	495.3	294.3	285.8	367.9
24	219.3	308.5	252.4	959.4	2159.3	2414.0	2682.8	1296.1	509.4	328.3	277.1	424.5
25	218.2	297.2	1873.5	1149.0	1986.7	2648.9	2886.6	1324.4	568.8	447.1	297.2	427.3
26	208.0	294.3	2943.2	1282.0	1562.2	2784.7	2886.6	1324.4	537.7	365.1	387.7	447.1
27	191.9	253.3	1140.5	1816.9	1293.3	2914.9	2637.6	1233.9	583.0	444.3	362.2	716.0
28	196.7	256.7	786.7	2827.2	1180.1	2886.6	2513.0	1106.5	585.8	401.9	311.3	769.8
29	203.5		673.5	4584.6	1180.1	2971.5	2300.8	1038.6	526.4	367.9	288.7	616.9
30	172.9		600.0	3735.6	1064.1	3084.7	2258.3	953.7	478.3	353.8	282.7	543.4
31	201.2		529.2		1287.7		2139.5	919.8		345.3		534.9
Total =	7261.5	6751.5	15717.0	30340.4	49117.5	74980.9	82270.9	50798.5	21918.4	10977.6	9473.4	11611.5
Excel Total Ave.	7261.5	6751.5	15717.0	30340.4	49117.5	75263.9	82270.9	50790.0	21918.4	10977.6	9473.4	11611.5
Ave.	234.2418	241.1261	506.9991	1011.318	1584.435	2508.795	2653.901	1638.387	730.6117	354.1152	315.7808	374.5642

**NOWSHERA
DISCHARGE
1968**

m3/s Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	543.4	359.4	369.3	614.1	3169.6	2034.8	2736.6	2281.0	744.3	367.9	362.2	280.5
2	546.2	317.0	362.2	534.9	3169.6	2060.2	2858.3	2181.9	693.4	345.3	416.0	280.5
3	512.2	308.5	343.8	472.6	2549.8	2122.5	3056.4	2156.5	622.6	311.3	393.4	279.3
4	492.4	314.1	338.2	478.3	2085.7	2258.3	3141.3	2142.3	600.0	345.3	350.9	249.9
5	416.0	308.5	336.8	464.1	1828.2	2289.5	3113.0	2122.5	645.2	345.3	319.8	266.9
6	396.2	322.6	325.5	566.0	1754.6	2385.7	3254.5	2286.6	591.5	322.6	305.6	261.2
7	359.4	336.8	339.6	863.2	1528.2	2561.2	3396.0	2572.5	591.5	322.6	288.7	282.7
8	359.4	322.6	311.3	1004.7	1386.7	2725.3	3509.2	2453.6	591.5	336.8	291.5	291.3
9	322.6	291.5	308.5	905.6	1270.7	2875.3	3763.9	2382.9	574.5	319.8	288.7	294.3
10	317.0	277.1	318.1	919.8	1146.2	3113.0	4018.6	2196.1	566.0	300.0	288.7	300.0
11	324.0	300.0	444.3	905.6	1035.8	3446.9	3933.7	2303.6	568.8	291.5	300.0	376.4
12	447.1	256.7	509.4	843.3	953.7	3735.6	3679.0	2637.6	534.9	325.5	280.2	498.1
13	478.3	285.8	563.2	987.7	899.9	3679.0	3565.8	2303.6	534.9	288.7	297.2	411.5
14	455.6	282.7	585.8	950.9	999.0	3441.3	3679.0	2165.0	550.4	279.3	300.0	418.8
15	438.7	251.0	525.0	1038.6	1140.5	3226.2	3565.8	2295.1	554.7	257.8	297.2	401.9
16	421.7	262.3	509.4	962.2	1225.4	3062.1	3367.7	2244.2	585.8	319.8	308.5	399.0
17	336.8	246.5	568.8	919.8	1219.7	3169.6	3056.4	1983.8	639.6	308.5	285.8	342.4
18	362.2	253.3	509.4	826.4	1126.3	3226.2	2793.2	1839.5	608.5	272.5	288.7	305.6
19	317.0	236.3	884.4	849.0	1151.8	3254.5	2532.9	1921.6	554.7	262.3	291.5	342.4
20	384.9	285.8	970.7	990.5	1293.3	3339.4	2343.2	1914.2	529.2	285.8	277.3	331.1
21	447.1	319.8	916.9	1089.6	1338.6	3197.9	2221.6	1865.0	500.9	336.8	305.6	370.7
22	407.5	314.1	781.1	1106.5	1429.2	3197.9	2080.1	2029.1	509.4	308.5	328.3	379.2
23	376.4	308.5	673.5	1205.6	1437.6	3260.2	2238.5	1947.0	440.1	308.5	311.3	317.0
24	350.9	280.5	662.2	1287.7	1460.3	3424.3	2020.6	1607.4	424.5	314.1	319.8	186.8
25	311.3	302.8	665.1	1324.4	1655.6	3565.8	1729.1	1457.5	418.8	314.1	297.2	339.6
26	301.4	285.8	701.8	1406.5	1944.2	3707.3	1777.2	1392.4	413.2	342.4	291.5	336.8
27	314.1	353.8	806.6	1760.3	1839.5	3792.2	1898.9	1225.4	399.0	325.5	270.3	244.2
28	294.3	447.1	781.1	1839.5	1695.2	3650.7	1698.0	1086.7	387.7	373.6	275.9	210.3
29	300.0	438.7	665.1	1898.9	1624.4	3339.4	2303.6	979.2	376.4	353.8	274.8	210.3
30	342.4		665.1	2547.0	1675.4	2971.5	2490.4	877.3	342.4		254.4	221.6
31	370.7		614.1		2029.1		2518.7	798.1				244.2
Total =	12047.3	8869.5			49089.2		88341.3	59687.5	16119.7			9707.5
Excel Total	12047.3	8869.5	17386.1	31563.0	49063.7	92113.7	88341.3	59679.0	16094.2	9185.6	9160.7	9707.5
Ave.	388.6229	305.8449	560.8421	1052.1	1582.7	3070.456	2849.719	1925.13	536.4737	296.3101	305.357	313.1441

**NOWSHERA
DISCHARGE
1969**

m3/s Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	281.6	272.5	373.6	747.1	676.4	2303.6	2374.4	1672.5	735.8	314.1	424.5	258.9
2	317.0	297.2	328.3	730.1	642.4	2275.3	2385.7	1559.3	738.6	311.3	373.6	265.7
3	308.5	257.8	336.8	741.5	636.8	2300.8	2450.8	1601.8	789.6	328.3	336.8	256.7
4	291.5	249.9	359.4	667.9	628.3	2363.1	2549.8	1746.1	704.7	305.6	319.8	260.1
5	288.7	223.9	328.3	704.7	645.2	2193.3	2691.3	1831.0	679.2	317.0	311.3	251.0
6	275.9	232.9	325.5	744.3	684.9	1862.1	2719.6	1901.8	636.8	288.7	308.5	246.5
7	222.7	234.0	345.3	789.6	789.6	1763.1	2668.7	2020.6	633.9	308.5	302.8	254.4
8	251.0	208.0	336.8	871.6	922.6	1831.0	2728.1	2142.3	616.9	294.3	302.8	253.3
9	277.1	211.4	390.5	962.2	1287.7	2020.6	2804.5	2204.6	605.6	278.2	294.3	261.2
10	262.3	180.8	350.9	1013.1	1516.9	2085.7	2886.6	2255.5	577.3	280.5	302.8	297.4
11	328.3	184.0	438.7	1231.1	1573.5	2145.1	2943.2	2583.8	546.2	288.7	279.3	239.7
12	280.5	204.6	492.4	1477.3	1434.8	2128.2	2668.7	2510.2	534.9	350.9	291.5	235.2
13	291.5	213.7	438.7	1601.8	1460.3	2111.2	2306.5	2320.6	523.6	376.4	300.0	255.5
14	305.6	280.5	472.6	1307.5	1553.7	2190.4	2346.1	2111.2	560.3	424.5	317.0	264.6
15	302.8	359.4	503.7	1202.8	1556.5	2275.3	2419.7	2207.4	738.6	348.1	300.0	227.2
16	282.7	350.9	580.2	1613.1	1358.4	2371.5	2442.3	2139.5	800.9	461.3	294.3	229.5
17	288.7	336.8	614.1	1828.2	1154.6	2493.2	2340.4	1913.1	707.5	418.8	281.6	228.4
18	311.3	367.9	636.8	1505.6	1137.7	2660.2	2269.7	1992.3	594.3	362.2	282.7	230.6
19	297.2	353.8	778.3	1296.1	1151.8	2787.6	2238.5	1955.5	543.4	367.9	274.8	229.5
20	279.3	294.3	942.4	1273.5	1171.6	2793.2	2391.4	1859.3	498.1	308.5	278.2	235.2
21	322.6	291.5	755.6	1748.9	1157.5	2886.6	2552.7	1686.7	452.8	308.5	279.3	227.2
22	277.1	268.0	727.3	1692.3	1228.2	2821.5	2513.0	1545.2	424.5	297.2	278.2	226.1
23	268.0	236.3	690.5	1463.1	1341.4	2510.2	2538.5	1327.3	410.4	294.3	282.7	222.7
24	269.1	254.4	733.0	1225.4	1420.7	2292.3	2716.8	1211.2	396.2	279.3	279.3	226.1
25	252.2	294.3	718.8	1095.2	1381.0	2278.2	2691.3	1089.6	382.1	283.0	262.9	220.5
26	244.2	275.9	1129.2	1010.3	1412.2	2360.2	2787.6	1075.4	350.9	272.5	261.2	222.7
27	297.2	305.6	1092.4	916.9	1474.4	2363.1	2527.2	982.0	359.4	240.8	251.0	223.9
28	331.1	367.9	885.8	871.6	1516.9	2490.4	2572.5	883.0	342.4	410.4	258.9	232.9
29	325.5		823.5	905.6	1765.9	2470.6	2255.5	809.4	319.8	551.9	258.9	221.6
30	305.6		758.4	809.4	1947.0	2380.0	1964.0	752.8	325.5	608.5	258.9	231.8
31	268.0		718.8		2232.9		1850.8	724.5		481.1		228.4
Total =	8904.6	7608.2	18406.3	34047.7	38861.6	69807.6	77196.7	52598.4	16530.0	10761.1	8848.0	7404.7
Excel Total	8904.6	7608.2	18406.3	34047.7	38861.6	69807.6	77595.8	52615.4	16530.0	10761.1	8848.0	7404.7
Ave.	287.245	271.7204	593.7523	1134.924	1253.599	2326.92	2503.069	1697.27	551.001	347.1015	294.9332	238.8611

**NOWSHERA
DISCHARGE
1970**

m3/s Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	246.5	288.7	271.4	328.3	775.4	1661.2	1709.3	1033.0	1434.8	297.2	215.9	167.0
2	254.4	265.7	251.0	288.7	690.5	1811.2	1771.6	1066.9	1601.8	297.2	191.7	160.7
3	245.4	275.9	249.9	285.8	687.7	1870.6	1765.9	1052.8	1327.3	294.3	202.3	164.1
4	272.5	272.5	221.6	266.9	679.2	1921.6	1709.3	1106.5	1191.4	273.7	204.6	187.9
5	257.8	243.1	205.7	325.5	670.7	1913.1	1641.4	1109.4	1270.7	279.3	215.9	184.0
6	263.5	249.9	203.5	390.5	676.4	1692.3	1392.4	1132.0	1299.0	331.1	209.1	215.9
7	258.9	209.1	190.7	478.3	792.4	1423.5	1516.9	1112.2	1166.0	359.4	193.6	188.8
8	244.2	244.2	198.9	540.5	789.6	1358.4	1457.5	1075.4	1168.8	379.2	197.8	176.9
9	253.3	198.9	190.7	498.1	755.6	1248.0	1432.0	1072.6	1307.5	328.3	202.3	192.7
10	265.7	200.1	200.1	500.9	809.4	1349.9	1270.7	1081.1	1109.4	308.5	194.7	194.7
11	265.7	180.8	256.7	546.2	803.7	1434.8	1095.2	1140.5	1030.1	302.8	199.9	204.6
12	314.1	191.9	275.9	616.9	783.9	1579.1	1038.6	1383.9	1095.2	280.5	193.6	198.1
13	325.5	180.8	291.5	619.8	769.8	1726.3	919.8	1584.8	1064.1	283.0	189.9	205.2
14	314.1	179.7	273.7	659.4	871.6	1692.3	868.8	1434.8	984.8	247.6	184.8	198.1
15	294.3	182.8	325.5	681.9	916.9	1596.1	905.6	1253.7	905.6	260.1	185.9	203.8
16	291.5	165.3	339.6	1044.3	936.7	1429.2	950.9	1123.5	851.8	239.7	176.0	194.7
17	268.0	156.2	331.1	1100.9	1072.6	1182.9	962.2	1078.2	752.8	244.2	240.8	204.6
18	274.8	145.5	325.5	826.4	1279.2	1004.7	1154.6	1066.9	687.7	256.3	225.0	272.5
19	271.4	142.1	294.3	693.4	1358.4	891.3	1199.9	1126.3	636.8	235.2	203.5	244.2
20	266.9	165.3	333.9	673.5	1480.1	916.9	1112.2	1098.0	614.1	244.3	215.9	201.2
21	265.7	178.0	253.3	656.6	1579.1	931.1	1245.2	1069.7	642.4	237.4	208.0	209.1
22	257.8	172.9	272.5	662.2	1706.5	1072.6	1143.3	1064.1	563.2	236.3	247.6	232.9
23	271.4	151.7	278.2	772.6	1848.0	1290.5	1109.4	1129.2	475.4	212.5	237.4	213.7
24	243.1	172.1	294.3	866.0	1780.1	1273.5	916.9	1188.6	433.0	231.8	243.1	188.8
25	252.2	194.7	311.3	899.9	1613.1	1313.1	871.6	1219.7	410.4	228.4	217.1	217.1
26	275.9	225.0	342.4	1021.6	1579.1	1400.9	766.9	1432.0	399.0	213.7	196.7	204.6
27	269.1	222.7	461.3	1129.2	1451.8	1494.2	772.6	1417.8	348.1	234.0	194.7	219.3
28	269.1	238.6	529.2	1123.5	1457.5	1624.4	897.1	1214.1	322.6	217.1	195.8	202.3
29	282.7		486.8	1072.6	1437.6	1729.1	931.1	1129.2	336.8	191.9	236.3	212.5
30	261.2		418.8	945.2	1463.1	1740.5	965.0	1106.5	311.3	229.5	236.3	219.3
31	265.7		370.7		1587.6		1024.5	1095.2		270.3		222.7
Total =	8362.7	5397.1	9250.1	20518.3	35103.3	43576.3	36518.3	36198.5	25741.7	8224.5	6258.5	6302.1
Excel Total	8362.7	5691.2	9250.1	20518.3	35103.3	43576.3	36518.3	36198.5	25741.7	8224.6	6258.5	6302.1
Ave.	269.7629	203.3658	298.3915	683.945	1132.365	1452.545	1178.01	1167.695	858.056	265.3098	208.6182	203.2944

**NOWSHERA
DISCHARGE
1971**

m3/s Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	198.9	219.3	185.9	339.6	775.4	1924.4	1177.3	1828.2	973.5	229.5	180.0	203.5
2	184.0	202.3	176.0	350.9	764.1	1842.3	1403.7	1746.1	902.8	240.8	170.1	189.9
3	197.8	182.0	176.9	373.6	684.9	1692.3	1480.1	1842.3	880.1	248.8	186.8	194.7
4	200.1	200.1	222.7	367.9	639.6	1709.3	1460.1	1686.7	877.3	186.8	182.8	176.9
5	202.3	182.0	225.0	387.7	673.5	1635.7	1313.1	1539.5	877.3	226.1	178.9	178.9
6	231.8	168.1	190.7	503.7	707.5	1686.7	1123.5	1450.3	871.6	194.7	196.7	192.7
7	228.4	168.1	200.1	492.4	690.5	1675.4	987.7	1533.9	866.0	230.6	195.8	196.7
8	214.8	155.1	172.1	438.7	600.0	1814.0	781.1	1587.6	815.0	192.7	200.1	204.6
9	204.6	156.2	170.1	404.7	716.0	2046.1	699.0	1528.2	733.0	161.6	174.0	205.7
10	213.7	157.9	180.0	390.5	897.1	2074.4	701.8	1618.8	659.4	189.9	184.8	190.7
11	236.3	170.1	164.1	435.8	953.7	1955.5	738.6	1423.5	622.6	189.9	192.7	174.9
12	197.8	160.7	162.4	438.7	965.0	1850.8	815.0	1301.8	608.5	187.9	189.9	195.8
13	196.7	174.9	161.6	427.3	1055.6	1678.2	987.7	1160.3	608.5	188.8	184.8	176.9
14	197.8	167.0	160.7	447.1	1024.5	1635.7	1556.5	1140.5	546.2	203.5	213.7	169.0
15	180.8	161.6	160.7	523.6	967.9	1760.3	1301.8	1064.1	452.8	174.9	203.5	169.0
16	157.1	165.3	160.7	529.2	1058.4	1630.1	1242.4	982.0	441.5	184.8	193.9	170.1
17	165.3	167.8	159.6	650.9	1038.6	1434.8	1290.5	919.8	370.7	182.8	237.4	184.8
18	148.9	166.1	160.7	633.9	1072.6	1194.3	1304.6	897.1	353.8	182.0	225.0	176.9
19	189.9	161.6	169.0	557.5	1208.4	1163.1	1174.5	894.3	356.6	188.8	192.7	187.9
20	187.9	166.1	176.9	503.7	1332.9	1151.8	1132.0	888.6	317.0	188.8	178.0	155.1
21	201.2	161.6	178.0	520.7	1429.2	1123.5	1055.6	888.6	325.5	191.9	182.8	144.6
22	188.8	160.7	169.0	588.6	1446.1	1120.7	942.4	891.5	311.3	191.9	178.0	146.3
23	194.7	160.7	202.3	577.3	1415.0	1239.5	837.7	894.3	255.5	180.0	186.8	148.9
24	185.9	160.7	222.7	526.4	1358.4	1330.1	735.8	897.1	239.7	182.8	228.4	145.5
25	184.8	161.6	221.6	450.0	1454.6	1545.2	733.0	911.3	261.2	180.0	174.0	146.3
26	211.4	162.4	200.1	500.9	1508.4	1562.2	769.8	1117.9	257.8	200.1	180.8	148.0
27	219.3	221.6	236.3	616.9	1511.2	1358.4	849.0	1327.3	274.8	170.9	211.4	158.8
28	203.5	210.3	288.7	815.0	1635.7	1293.3	1041.4	1332.9	249.9	195.8	193.9	200.1
29	214.8		331.1	1010.3	1748.9	1157.5	1550.8	1330.1	228.4	185.9	198.9	184.8
30	217.1		280.5	843.3	1703.7	1137.7	1972.5	1168.8	240.8	157.9	208.0	163.3
31	240.8		297.2		1709.3		2170.6	1081.1		184.8		149.7
Total =	6197.1	4852.0	6163.5	15732.0	34746.7	46423.3	35349.5	38884.2	15778.9	5995.6	5804.6	5430.8
Excel Total	6197.1	4852.0	6163.5	15647.1	34746.7	46423.3	35349.5	38884.2	15778.9	5995.6	5804.6	5430.8
Ave.	193.9075	173.287	198.8212	521.569	1120.863	1547.444	1140.307	1254.329	525.9649	193.4077	193.4871	175.1861

m3/s		<u>NOWSHERA DISCHARGE</u> <u>1972</u>										
Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1												
2												
3												
4												
5												
6												
7												
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21												
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24												
25												
26												
27												
28												
29												
30												
31												
Total = Excel Total Ave.	0	0	0	0	0	0	0	0	0	0	0	0

m3/s		<u>NOWSHERA DISCHARGE</u> <u>1973</u>										
Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
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23												
24												
25												
26												
27												
28												
29												
30												
31												
Total = Excel Total Ave.	0	0	0	0	0	0	0	0	0	0	0	0

**NOWSHERA
DISCHARGE**

1974

m3/s

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	172.1	210.3	225.0	534.9	860.3	1341.4	1344.9	1132.0	727.3	418.8	164.1	148.0
2	178.3	196.7	190.7	546.2	931.1	1383.9	1511.2	1089.6	662.2	418.8	142.9	148.9
3	181.1	204.6	202.3	574.5	936.7	1437.6	1516.9	1083.9	622.6	387.7	178.9	38.2
4	178.3	251.0	159.6	730.1	948.1	1482.9	1474.4	1199.9	577.3	348.1	139.5	164.1
5	172.1	261.2	182.0	752.8	866.0	1559.3	1330.1	1485.8	526.4	322.6	172.9	148.0
6	149.7	240.8	172.9	639.6	781.1	1746.1	1143.3	1457.5	498.1	308.5	156.2	150.8
7	136.4	234.0	151.7	551.9	764.1	1607.4	1064.1	1352.7	478.3	283.0	162.4	155.1
8	141.2	246.5	180.8	532.0	843.3	1338.6	1075.4	1369.7	455.6	278.2	168.1	163.3
9	184.8	206.9	174.0	713.2	899.9	1324.4	1211.2	1188.6	452.8	272.5	155.1	151.7
10	189.9	245.4	247.6	721.7	1024.5	1415.0	1307.5	979.2	500.9	269.1	172.9	140.4
11	222.7	217.1	212.5	636.8	1055.6	1593.3	1525.4	883.0	458.5	254.4	148.9	163.3
12	226.1	231.8	204.6	563.2	979.2	1556.5	1522.5	880.1	438.7	264.6	159.6	172.1
13	222.7	222.7	182.0	577.3	936.7	1412.2	1576.3	916.9	410.4	271.4	168.1	142.1
14	224.4	176.0	180.0	645.2	894.3	1488.6	1542.4	1047.1	390.5	262.3	158.8	150.6
15	226.4	147.2	185.9	673.5	894.3	1644.2	1528.2	1049.9	376.4	258.9	170.1	153.4
16	228.1	131.0	199.9	965.0	854.7	1664.0	1975.3	1007.5	356.6	244.2	158.8	134.7
17	229.8	134.7	221.6	682.0	871.6	1720.6	2244.2	866.0	353.8	182.0	142.1	139.2
18	231.5	118.3	205.7	665.1	883.0	1771.6	1986.7	832.0	370.7	211.4	157.1	143.8
19	233.5	120.3	200.1	684.9	820.7	1901.8	1760.3	803.7	345.3	211.4	163.3	148.3
20	235.2	131.0	226.1	693.4	849.0	1898.9	1828.2	778.3	325.5	216.6	159.6	152.8
21	225.0	144.6	325.5	699.0	880.1	1833.8	1715.0	775.4	311.3	237.4	167.0	157.1
22	242.0	197.8	467.0	707.5	792.4	1669.7	1658.4	781.3	311.3	205.7	155.1	180.8
23	249.9	277.1	506.6	716.0	820.7	1638.6	1644.2	752.8	308.5	227.2	160.7	176.9
24	223.9	302.8	631.1	724.5	976.4	1590.5	1686.7	758.4	314.1	185.9	164.1	155.1
25	200.1	260.1	633.9	716.0	1112.2	1324.4	1983.8	747.1	331.1	184.0	147.2	117.7
26	201.2	244.2	566.0	747.1	1228.2	1123.5	1706.5	752.8	365.1	172.1	155.1	122.3
27	230.6	231.8	500.9	854.7	1262.2	1004.7	1457.5	727.3	407.5	160.7	156.2	148.0
28	236.3	219.3	461.3	854.7	1126.3	970.7	1287.7	733.0	481.1	174.0	148.0	170.1
29	228.4	475.4	849.0	1013.1	1038.6	1225.4	710.3	447.1	184.8	152.5	200.1	
30	237.4	503.7	919.8	1038.6	1208.4	1185.8	656.6	430.2	185.9	143.8	176.9	
31	253.3		546.2		1188.6		1205.6	733.0		210.3		165.3

Total =	6492.3	5805.2	9521.8	20588.3	29333.0	44691.4	47224.2	29514.1	13035.0	7817.9	4749.0	4678.8
Excel Total	6492.3	5805.2	9521.8	20871.3	29333.0	44691.4	47224.2	29511.2	13035.0	7817.9	4749.0	4678.8
Ave.	209.4291	207.3278	307.1554	695.7083	946.2242	1489.712	1523.362	951.9755	434.4993	252.1895	158.3008	150.9303

**NOWSHERA
DISCHARGE**

1975

m3/s

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	160.7	127.9	147.2		1245.2	1947.0	1754.6	1282.0	1177.3	328.3	221.6	211.4
2	170.1	138.1	138.7		1208.4	1958.4	1689.5	1290.5	857.5	319.8	218.2	254.4
3	176.9	131.6	104.1		1151.8	2085.7	1613.1	1299.0	1072.6	314.1	188.8	264.6
4	167.0	119.7	125.9	87.7	1160.3	1898.9	1709.3	1451.8	1061.3	305.6	205.7	258.9
5	170.9	127.9	226.1	104.7	1166.0	1757.4	1876.3	2051.8	1010.3	302.8	223.9	273.7
6	157.1	125.9	247.3	87.7	1095.2	1848.0	1774.4	2312.1	1117.9	300.0	231.8	264.6
7	165.3	118.3	193.9	133.0	899.9	1947.0	1593.3	1958.4	1038.6	294.3	242.0	305.6
8	160.7	158.8	159.6	130.2	840.5	1958.4	1533.9	1910.3	931.1	291.5	221.6	282.7
9	157.9	170.9	150.6	101.9	815.0	1859.3	1553.7	1788.6	868.8	300.0	291.5	251.0
10	189.9	164.1	125.1		905.6	1799.9	1604.6	1655.6	905.6	294.3	270.3	252.2
11	148.0	176.9	161.6		914.1	1788.6	1596.1	1638.6	837.7	300.0	247.6	237.4
12	143.8	156.2	274.8		891.5	1780.1	1658.4	1630.1	718.8	283.0	269.1	251.0
13	157.9	176.3	314.1		996.2	1726.3	1921.6	1927.2	662.2	268.0	269.1	244.2
14	170.1	217.1	285.8		1166.0	1703.7	2184.8	2716.8	613.5	269.1	269.1	252.2
15	157.9	211.4	238.6		1330.1	1856.5	2343.2	2943.2	585.8	266.9	240.8	218.2
16	174.9	193.9	230.6		2179.1	2060.2	2541.3	3028.1	591.5	238.6	239.7	235.2
17	163.3	180.0	227.2		3622.4	2320.6	2323.4	2886.6	636.8	239.7	228.7	247.6
18	154.2	159.6	236.3		2858.3	2685.7	1884.8	3113.0	583.0	221.6	232.9	247.6
19	158.8	148.0	208.0		1901.8	2810.2	1754.6	3537.5	557.5	225.0	219.3	237.2
20	138.7	159.6	200.1	73.6	1658.4	2767.7	1703.7	4103.5	543.4	297.2	217.1	223.9
21	148.0	165.0	202.3		1508.4	2640.4	1715.0	4612.9	526.4	305.6	196.7	229.5
22	164.1	165.3	314.1		1477.3	2306.5	1703.7	4245.0	512.2	285.8	204.6	225.0
23	200.1	168.1	543.4	212.3	1392.4	1961.2	1686.7	3141.3	498.1	268.0	219.3	233.8
24	135.6	149.7	537.7		1443.3	1723.5	1669.7	2360.2	447.1	258.9	213.7	232.9
25	142.1	152.5	512.2		1451.8	1601.8	1579.1	1955.5	404.7	247.6	221.6	291.5
26	168.1	150.8	433.0		1536.7	1698.0	1443.3	1771.6	370.7	243.1	186.8	249.9
27	126.5	152.0	390.5		1621.6	1890.4	1412.2	1848.0	356.6	237.4	227.2	281.6
28	125.1	150.3	379.2	215.1	1780.1	2012.1	1423.5	1774.4	359.4	196.7	235.2	291.5
29	127.4		362.2	144.3	1890.4	2046.1	1480.1	1729.1	365.1	192.7	227.2	285.8
30	118.3		393.4		1910.3	1935.7	1423.5	1502.7	339.6	220.5	212.5	285.8
31	121.7		382.1		1964.0		1276.3	1327.3		234.0		285.8

Total =	4820.9	4415.9	8447.3		45981.8	60372.4	53427.6	70792.5	20749.6	8350.2	6891.6	7905.0
Excel Total	4820.9	4415.9	8445.9		45981.8	60375.2	53427.6	70792.5	20550.9	8350.2	6891.6	7906.7
Ave.	155.5131	157.7119	272.4468	43.016	1483.285	2012.507	1723.47	2283.627	685.0298	269.3612	229.7205	255.056

NOWSHERA DISCHARGE												
1976												
m3/s	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	283.0	278.2	263.5	416.0	1222.6	1661.2	1488.6	1423.5	1027.3	413.2	256.7	223.9
2	278.2	248.8	239.7	396.2	1072.6	1726.3	1451.8	3084.7	1318.8	416.0	262.3	231.8
3	274.8	249.9	240.8	379.2	1033.0	1901.8	1381.0	3113.0	1194.3	404.7	251.0	206.9
4	278.2	242.0	231.8	379.2	1013.1	2165.0	1372.6	2244.2	1069.7	376.4	268.0	221.6
5	285.8	239.7	243.1	846.2	993.3	2399.8	1296.1	1737.6	1066.9	350.9	242.0	226.1
6	270.3	244.2	260.1	1132.0	979.2	2470.6	1341.4	1675.4	945.2	339.6	252.2	236.3
7	277.1	198.9	236.3	843.3	1016.0	2394.2	1429.2	1437.6	871.6	336.8	256.7	214.8
8	273.7	231.8	211.4	752.8	1035.8	2249.9	1638.6	1321.6	800.9	350.9	264.6	239.7
9	269.1	314.1	213.7	713.2	1038.6	2196.1	1896.1	1262.2	758.4	336.8	270.3	226.1
10	271.4	339.6	294.3	769.8	1151.8	2230.0	2054.6	1290.5	650.9	319.8	235.2	206.9
11	289.7	305.6	291.5	967.9	1282.0	2074.4	2046.1	1332.9	614.1	294.3	255.5	235.2
12	272.5	288.7	269.1	1030.1	1398.0	2080.1	1876.3	1332.9	594.3	300.0	225.0	201.2
13	262.3	302.8	291.5	942.4	1415.0	2094.2	1624.4	1364.1	622.6	305.6	231.8	204.6
14	274.8	350.9	314.1	894.3	1550.8	2153.6	1519.7	1341.4	622.6	294.3	239.7	219.3
15	228.7	404.7	348.1	868.8	1553.7	2139.5	1720.6	1607.4	594.3	288.7	239.7	226.1
16	283.0	483.9	382.1	871.6	1573.5	2080.1	1935.7	1607.4	597.1	300.0	254.4	213.7
17	274.8	427.3	467.0	883.0	1666.9	1927.2	1748.9	1814.0	567.4	302.8	246.5	214.8
18	258.9	390.5	500.9	976.4	1760.3	1681.0	1765.9	1972.5	583.0	288.7	239.7	220.5
19	261.2	387.7	461.3	967.9	1865.0	1672.5	1975.3	1715.0	543.4	275.1	247.6	228.4
20	278.2	376.4	441.5	1047.1	1896.1	1528.2	1822.5	1621.6	534.9	261.2	229.5	231.8
21	278.2	356.6	441.5	1327.3	1777.2	1355.6	2046.1	1440.5	519.3	271.4	248.8	227.2
22	283.0	333.9	433.0	1482.9	1748.9	1267.8	2057.4	1256.5	461.3	278.2	229.5	235.2
23	314.1	278.2	373.6	1542.4	1782.9	1180.1	1771.6	1075.4	433.0	279.3	247.6	230.6
24	260.1	274.8	373.6	1644.2	1887.6	1078.2	1706.5	1035.8	413.2	264.6	240.8	244.2
25	278.2	314.1	404.7	1981.0	1947.0	1030.1	1664.0	1058.4	399.0	281.6	244.2	239.7
26	252.2	370.7	384.9	2068.7	1709.3	1024.5	1508.4	1061.3	401.9	302.8	227.2	248.8
27	265.7	350.9	418.8	1743.3	1607.4	1103.7	1992.3	1055.6	390.5	308.5	242.0	251.0
28	331.1	328.3	489.6	1782.9	1406.5	1327.3	1715.0	1061.3	379.2	279.3	218.2	248.8
29	347.0	294.3	540.5	1774.4	1403.7	1313.1	1352.7	1016.0	379.2	272.5	232.9	249.9
30	298.6		526.4	1426.3	1485.9	1406.5	1256.5	1089.6	376.4	257.8	227.2	248.8
31	256.7		483.9		1477.3		1205.6	1013.1		272.5		252.2
Total =	8669.4	9207.7	11072.1	32850.6	44731.0	52912.5	51661.7	45696.0	19798.7	9638.4	7326.3	7105.8
Excel Total	8669.4	9207.7	11072.1	32850.6	44731.0	52912.5	51661.7	46462.9	19730.8	9624.3	7326.9	7105.8
Ave.	279.6588	317.5065	357.1643	1095.021	1442.935	1763.75	1666.505	1498.805	657.692	310.4601	244.229	229.2209

NOWSHERA DISCHARGE												
1977												
m3/s	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	269.1	353.8	242.0	435.8	744.3	1270.7	2493.2	1398.0	936.7	370.7	328.3	319.8
2	319.8	356.6	244.2	427.3	724.5	1211.2	2255.5	1321.6	922.6	387.7	297.2	311.3
3	311.3	345.3	235.2	458.5	750.0	1185.8	2221.6	1324.4	851.8	390.5	288.7	297.2
4	314.1	331.1	196.7	452.8	803.7	1259.4	2116.8	1465.9	849.0	384.9	350.9	266.9
5	288.7	328.3	208.0	659.4	687.7	1290.5	1969.7	1593.3	815.0	376.4	325.5	268.0
6	288.7	325.5	219.3	1706.5	625.4	1276.3	1799.9	1485.8	781.1	382.1	275.9	285.8
7	291.5	317.0	219.3	1284.8	563.2	1279.2	1737.6	1463.1	860.3	379.2	261.2	257.8
8	305.6	311.3	206.9	956.5	540.5	1358.4	1814.0	1372.6	755.6	362.2	325.5	235.2
9	300.0	322.6	238.6	866.0	605.6	1375.4	1882.0	1299.0	727.3	342.4	302.8	235.2
10	339.6	325.5	254.4	837.7	710.3	1324.4	1729.1	1245.2	673.5	331.1	300.0	244.2
11	410.4	308.5	205.7	877.3	650.9	1279.2	1604.6	1330.1	622.6	353.8	294.3	238.6
12	399.0	275.9	221.6	883.0	687.7	1282.0	1797.1	1299.0	557.5	356.6	288.7	232.9
13	359.4	274.8	225.0	860.3	693.4	1233.9	1918.7	1273.5	512.2	342.4	277.1	244.2
14	359.4	272.5	221.6	823.5	735.8	1228.2	1729.1	1228.2	478.3	317.0	236.3	254.4
15	331.1	253.3	239.7	860.3	696.2	1248.0	1938.6	1197.1	472.6	308.5	234.0	222.7
16	339.6	244.2	270.3	820.7	718.8	1137.7	1975.3	1307.5	452.8	308.5	261.2	212.5
17	339.6	232.9	342.4	800.9	679.2	1157.5	2682.8	1338.6	435.8	302.8	266.9	221.6
18	328.3	235.2	387.7	888.6	684.9	1219.7	2269.7	1273.5	433.0	294.3	274.8	213.7
19	336.8	226.1	300.0	1072.6	823.5	1256.5	1698.0	1225.4	529.2	288.7	281.6	218.2
20	325.5	219.3	230.6	1075.4	868.8	1327.3	1398.0	1185.8	580.2	288.7	273.7	218.2
21	314.1	220.5	211.4	922.6	883.0	1570.7	1400.9	1185.8	543.4	288.7	294.3	212.5
22	319.8	212.5	237.4	846.2	877.3	1672.5	1403.7	1185.8	506.6	288.7	285.8	206.9
23	325.5	206.9	236.3	871.6	928.2	1887.6	1443.3	1166.0	478.3	288.7	254.4	230.6
24	384.9	206.9	254.4	916.9	973.5	2238.5	1480.1	1126.3	447.1	300.0	243.1	223.9
25	469.8	203.5	273.7	820.7	1086.7	2433.8	1695.2	1098.0	455.6	1341.4	247.6	229.5
26	483.9	201.2	305.6	738.6	1228.2	2513.0	1975.3	1061.3	410.4	537.7	234.0	229.5
27	404.7	212.5	336.8	724.5	1341.4	2462.1	2193.3	1049.9	390.5	433.0	244.2	265.7
28	407.5	236.3	339.6	860.3	1417.8	2230.0	1474.4	976.4	376.4	373.6	226.1	269.1
29	379.2		336.8	911.3	1477.3	2193.3	1321.6	902.8	373.6	314.1	230.6	251.0
30	376.4		314.1	849.0	1480.1	2193.3	1389.5	962.2	370.7	305.6	271.4	245.4
31	359.4		404.7		1344.3		1491.4	962.2		297.2		249.9
Total =	10782.6	7559.8	8160.0	25509.6	27032.2	46596.0	56300.0	38304.1	17599.8	11651.1	8276.1	7612.4
Excel Total	10782.6	7559.8	8160.0	25509.6	27032.2	46596.0	56300.0	38304.1	17599.8	11651.1	8276.1	7612.4
Ave.	347.8253	269.9921	263.2265	850.3207	872.0052	1553.198	1816.13	1235.615	586.659	375.8423	275.8684	245.5618

**NOWSHERA
DISCHARGE
1978**

m3/s

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	243.1	314.1	213.7	566.0	1078.2	1791.2	2549.8	1332.9	866.0	591.3	294.3	300.0
2	237.4	305.6	288.7	532.0	1030.1	1556.5	2631.9	1593.3	843.3	543.4	311.3	297.2
3	236.3	273.7	282.7	492.4	1033.0	1587.6	2617.8	2272.5	750.0	549.0	311.3	294.3
4	236.3	271.4	251.0	529.2	1072.6	1890.4	2660.2	2510.2	699.0	503.7	362.2	268.0
5	249.9	282.7	262.3	588.6	1338.6	2232.9	2612.1	2193.3	670.7	467.0	379.2	254.4
6	275.9	263.5	359.4	529.2	1610.3	2510.2	3396.0	2057.4	636.8	472.6	370.7	260.1
7	300.0	285.8	384.9	506.6	1482.9	2578.1	3848.8	1862.1	625.4	481.1	417.1	263.5
8	308.5	240.8	325.5	551.9	1386.7	2561.2	4386.5	1658.4	625.4	450.0	424.5	240.8
9	288.7	210.3	297.2	642.4	1366.9	2501.7	4669.5	1601.8	636.8	427.3	390.5	246.5
10	270.3	209.1	543.4	761.3	1420.7	2411.2	4669.5	1698.0	642.4	424.5	393.4	229.5
11	283.0	204.6	551.9	854.7	1516.9	1932.9	3226.2	1907.4	612.4	410.4	379.2	219.3
12	268.0	194.7	472.6	928.2	1463.1	1748.9	2326.3	2082.9	645.2	387.7	367.9	218.2
13	281.6	176.9	430.2	919.8	1395.2	1811.2	1969.7	1969.7	611.3	359.4	350.9	209.1
14	285.8	190.7	435.8	979.2	1415.0	1964.0	2165.0	1754.6	611.3	339.6	356.6	208.0
15	322.6	195.8	444.3	1166.0	1383.9	1972.5	1924.4	1400.9	662.2	325.5	356.6	208.0
16	291.5	195.8	1052.8	1222.6	1423.5	1949.9	1748.9	1318.8	733.0	325.5	353.8	210.3
17	294.3	182.0	3622.4	1242.4	1454.6	1712.2	1655.6	1273.5	662.2	325.5	350.9	210.3
18	278.2	180.0	1522.5	2034.8	1468.8	1474.4	1593.3	1256.5	594.3	311.3	342.4	219.3
19	282.7	180.0	1013.1	1672.5	1593.3	1635.7	1698.0	1556.5	568.8	311.3	336.8	228.4
20	282.7	180.0	815.0	1463.1	1485.8	1443.3	1681.0	2054.6	546.2	300.0	322.6	239.7
21	278.2	164.1	758.4	1239.5	1528.2	1613.1	1791.4	2085.7	529.2	297.2	348.1	240.8
22	278.2	169.0	733.0	1182.9	1522.5	1777.2	2034.8	1732.0	534.9	291.5	333.9	231.8
23	278.2	156.2	650.9	1126.3	1621.6	1947.0	1859.3	1454.6	616.9	281.6	336.8	226.1
24	300.0	162.4	574.5	1030.1	1644.2	1998.0	1910.3	1287.7	682.0	277.1	353.8	223.9
25	294.3	167.0	554.7	987.7	1712.2	2043.3	1805.5	1250.9	704.7	297.2	325.5	222.7
26	300.0	168.1	568.8	984.8	1754.6	2102.7	1743.3	1239.5	648.1	285.8	322.6	220.5
27	291.5	172.1	566.0	976.4	1935.7	2244.2	1845.2	1194.3	642.4	285.8	300.0	219.3
28	282.7	210.3	597.1	1021.6	1760.3	2470.6	1833.8	1182.9	682.0	285.8	314.1	215.9
29	294.3		642.4	1191.4	1771.6	2691.3	1590.5	1219.7	699.0	285.8	311.3	218.2
30	305.6		631.1	1238.7	1964.0	3169.6	1573.5	1146.2	642.4	277.1	302.8	219.3
31	288.7		574.5		1932.9		1669.7	1086.7		294.3		217.1
Total =	8708.5	5906.8	20420.7	29160.3	46567.7	61326.1	73461.1	50235.3	19654.4	11468.0	10451.2	7280.5
Excel Total	8708.5	5906.8	20420.7	29160.3	46567.7	61326.1	73687.5	50235.3	19654.4	11468.0	10451.2	7280.5
Ave.	280.9186	210.9563	658.7327	972.0107	1502.182	2044.203	2377.017	1620.495	655.145	369.9358	348.373	234.8535

**NOWSHERA
DISCHARGE
1979**

m3/s

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1												
2												
3												
4												
5												
6												
7												
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26												
27												
28												
29												
30												
31												
Total =			#REF!									
Excel Total												
Ave.	0	0	0	0	0	0	0	0	0	0	0	0

m3/s		NOWSHERA DISCHARGE 1980											
		Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov
	1	277.6	294.3	254.4	611.3	1403.7	2165.0	1712.2	1539.5	795.2	317.0	319.8	251.0
	2	294.3	274.5	237.2	679.2	1449.0	2215.9	1562.2	1349.9	826.4	297.2	314.1	243.4
	3	274.5	336.8	230.9	823.5	1559.3	2091.4	1423.5	1818.0	741.5	279.3	319.8	206.6
	4	274.5	376.4	202.3	738.6	1641.4	1873.5	1519.7	2473.4	713.2	265.2	266.9	215.1
	5	245.1	345.3	235.5	659.4	1695.2	1831.0	1833.8	1865.0	738.6	245.1	252.7	205.2
	6	246.5	283.0	588.6	667.9	1706.5	1746.1	1935.7	1692.3	631.1	232.6	268.3	205.2
	7	242.0	248.2	444.3	783.9	1644.2	1709.3	1791.4	1593.3	583.0	223.6	249.6	210.8
	8	212.3	229.5	353.8	809.4	1765.9	2017.8	1610.3	1562.2	532.0	210.8	268.3	196.7
	9	225.0	223.9	317.0	849.0	1669.7	2215.9	1607.4	1896.1	551.9	199.5	234.0	192.4
	10	198.1	257.5	302.8	843.3	1706.5	2266.8	1528.2	1511.2	614.1	195.3	216.5	181.2
	11	230.9	209.4	277.6	817.9	1607.4	2340.4	1601.8	1341.4	682.0	210.8	208.0	182.8
	12	238.9	181.7	353.8	834.9	1567.8	2326.3	1610.3	1219.7	800.9	317.0	213.7	217.9
	13	161.3	202.3	331.1	840.5	1480.1	2532.9	1746.1	1123.5	721.7	291.5	223.6	222.2
	14	246.5	152.3	308.5	823.5	1579.1	2405.5	1805.5	1095.2	665.1	237.2	252.7	216.8
	15	279.3	213.7	270.0	837.7	1678.2	2145.1	2156.5	1695.2	611.3	217.9	242.0	208.0
	16	216.5	317.0	345.3	1069.7	1870.6	1884.8	1797.1	1038.6	571.7	202.3	216.5	217.9
	17	258.9	258.9	350.9	1129.2	1542.4	1737.6	1658.4	1027.3	546.2	196.7	208.0	169.0
	18	265.2	225.0	384.9	1293.3	1398.0	1613.1	1596.1	914.1	512.2	193.9	195.3	134.4
	19	273.1	216.5	464.1	1293.3	1553.7	1737.6	1760.3	820.7	469.8	182.8	185.4	149.7
	20	317.0	274.5	433.0	1491.4	1446.1	1811.2	1692.3	758.4	472.6	195.3	198.1	166.4
	21	308.5	223.6	438.7	1494.2	1465.9	1850.8	1468.8	679.2	469.8	215.1	219.3	175.2
	22	263.8	240.3	486.8	1355.6	1321.6	1995.2	1369.7	648.1	416.0	193.9	252.7	216.5
	23	230.9	234.0	543.4	1267.8	1083.9	2080.1	1361.2	625.4	390.5	167.5	238.9	216.5
	24	291.5	263.8	529.2	1129.2	1024.5	2102.7	1437.6	659.4	367.9	184.2	237.2	199.5
	25	297.2	248.2	611.3	1123.5	1100.9	2213.1	1389.5	704.7	441.5	180.3	242.0	203.8
	26	294.3	251.3	560.3	1188.6	1202.8	2292.3	1406.5	713.2	387.7	206.6	208.0	138.4
	27	376.4	245.1	503.7	1236.7	1282.0	2521.5	1488.6	752.8	367.9	170.1	240.3	149.7
	28	348.1	252.7	469.8	1395.2	1562.2	2133.8	1417.8	735.8	359.4	200.9	317.0	149.7
	29	328.3	288.7	515.1	1369.7	1754.6	2023.5	1310.3	772.6	305.6	180.3	273.1	175.2
	30	308.5	625.4	1304.6	1913.1	1805.5	1299.0	2299.0	670.7	356.6	196.7	257.5	208.0
	31	353.8	628.3	2085.7			1652.7	741.5		242.0			251.3
Total =		8378.5	7367.9	12597.7	30762.1	47761.9	61685.5	49550.5	35468.4	16643.2	6848.3	7339.0	6079.4
Excel Total		8378.5	7368.2	12597.7	30762.1	47761.9	61685.5	49550.5	35468.4	16643.2	6848.3	7339.0	6079.4
Ave.		270.2741	254.0754	406.3789	1025.403	1540.707	2056.184	1598.4023	1144.142	554.7743	220.9135	244.6346	196.1099

m3/s		NOWSHERA DISCHARGE 1981											
		Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov
	1	274.5	297.2	280.7	738.6	1799.9	2071.6	2323.4	1584.8	639.6	410.4	254.4	245.1
	2	265.2	265.2	294.3	679.2	1661.2	1935.7	2450.8	1299.0	608.5	365.1	227.8	223.6
	3	229.2	263.8	280.7	769.8	1695.2	1655.6	2060.2	1137.7	600.0	362.2	252.7	219.3
	4	271.4	302.8	226.4	1100.9	1927.2	1519.7	2181.9	1072.6	600.0	291.5	249.6	249.6
	5	243.4	384.9	203.8	885.8	2419.7	1446.1	1964.0	1064.1	602.8	265.2	227.8	198.1
	6	317.0	367.9	258.9	755.6	2691.3	1488.6	1845.2	1112.2	591.5	229.5	245.1	209.4
	7	291.5	294.3	447.1	701.8	2501.7	1652.7	1550.8	1265.0	566.0	222.2	255.8	237.2
	8	282.4	252.7	396.2	648.1	2249.9	1765.9	1499.9	1399.0	529.2	206.6	230.9	266.9
	9	276.2	234.0	325.5	631.1	2085.7	1771.6	1624.4	1449.0	492.4	212.3	205.2	276.2
	10	274.5	223.6	243.4	684.9	2031.9	1590.5	1593.3	1412.2	455.6	192.4	242.0	265.2
	11	294.3	226.4	254.4	800.9	1862.1	1344.3	1358.4	1463.1	413.2	202.3	235.7	238.9
	12	270.0	288.7	252.7	905.6	1791.4	1321.6	1423.5	1474.4	370.7	202.3	227.8	234.0
	13	230.9	252.7	277.6	931.1	1828.2	1219.7	1338.6	1468.8	359.4	198.1	234.0	216.5
	14	217.9	288.7	232.6	1058.4	1921.6	1149.0	1604.6	1423.5	336.8	200.9	230.9	200.9
	15	243.4	407.5	266.9	1242.4	2006.5	1171.6	1652.7	1332.9	328.3	202.3	251.3	202.3
	16	212.3	325.5	277.6	1771.6	1831.0	1228.2	1794.2	1284.8	342.4	219.3	265.7	226.4
	17	219.3	238.9	348.1	1627.3	1737.6	1219.7	2006.5	1194.3	345.3	288.7	248.2	199.5
	18	245.1	213.7	365.1	1522.5	1808.4	1338.6	1955.5	1086.7	379.2	328.3	248.2	184.2
	19	254.4	213.7	393.4	1386.7	1901.8	1562.2	1955.5	962.2	430.2	305.6	237.2	186.8
	20	225.0	223.6	498.1	1567.8	1995.2	1760.3	1833.8	908.4	452.8	280.7	227.8	202.3
	21	242.0	220.7	942.4	1746.1	1947.0	1845.2	1587.6	916.9	450.0	282.4	261.8	200.9
	22	172.6	223.6	936.7	2080.1	1545.2	1859.3	1613.1	871.6	461.3	266.9	235.7	222.2
	23	232.6	205.2	645.2	1460.3	1522.5	1723.5	1867.8	843.3	495.3	265.2	213.7	199.5
	24	209.4	185.4	566.0	1358.4	1655.6	1782.9	2971.5	775.4	506.6	232.6	232.6	186.8
	25	314.1	262.1	532.0	1383.9	1726.3	1884.8	3084.7	733.0	602.8	238.9	240.3	189.6
	26	258.9	384.9	537.7	1423.5	1935.7	1995.2	2569.6	718.8	673.5	222.2	274.5	188.2
	27	262.1	356.6	568.8	1502.7	2102.7	2128.2	2170.6	817.9	549.0	210.8	276.2	175.2
	28	268.3	277.6	571.7	1485.8	2148.0	2193.3	2031.9	843.3	492.4	257.5	319.8	179.1
	29	271.4	625.4	1556.5	2071.6	2230.0	1944.2	803.7	492.4	262.1	300.0	184.2	
	30	258.9	883.0	1842.3	2020.6	2360.2	2017.8	803.7	452.8	297.2	260.6	196.7	
	31	274.5	908.4	2128.2			1898.9	679.2		262.1			179.1
Total =		7902.8	7681.5	13842.4	36249.5	60550.7	50215.5	59789.4	34200.6	14619.8	7983.4	7419.1	6584.0
Excel Total		7902.8	7681.5	13841.0	36249.5	60550.7	50215.5	59775.3	34200.6	14619.8	7983.7	7413.5	6584.0
Ave.		254.9282	274.3382	446.4827	1208.316	1953.248	1673.851	1928.2342	1103.244	487.326	257.5391	247.1156	212.3869

NOWSHERA DISCHARGE 1982												
m3/s	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	174.0	268.3	108.1	444.3	730.1	914.1	1248.0	1432.0	382.1	265.2	180.3	255.8
2	189.6	262.1	153.7	455.6	815.0	654.7	1222.6	1590.5	350.9	262.1	175.2	262.1
3	198.1	225.0	176.6	424.5	1038.6	792.4	1066.9	1785.7	333.9	238.9	180.3	285.8
4	195.3	186.8	158.8	387.7	965.0	755.6	1024.5	1698.0	336.8	226.4	182.8	243.4
5	196.7	225.0	240.3	350.9	939.6	803.7	948.1	1627.3	399.0	220.7	186.8	230.9
6	234.0	215.1	311.3	336.8	1027.3	888.6	933.9	1635.7	365.1	217.9	185.4	202.3
7	237.2	198.1	317.0	328.3	1103.7	993.3	911.3	1675.4	362.2	209.4	189.6	192.4
8	216.5	186.8	252.7	319.8	1219.7	1109.4	880.1	2046.1	458.5	217.9	199.5	176.6
9	213.7	189.6	243.4	277.6	1245.2	1177.3	885.8	1763.1	435.8	191.0	192.4	238.9
10	193.9	185.4	288.7	297.2	1364.1	1126.3	834.9	2009.3	410.4	215.1	176.6	288.7
11	248.2	195.3	314.1	370.7	1282.0	1171.6	860.3	2159.3	387.7	217.9	182.8	308.5
12	222.2	220.7	297.2	452.8	1092.4	1228.2	891.5	1811.2	365.1	225.0	182.8	283.0
13	227.8	195.3	260.6	427.3	880.1	1282.0	911.3	1613.1	353.8	238.9	182.8	229.5
14	280.7	199.5	225.0	430.2	778.3	1389.5	922.6	1392.4	322.6	219.3	179.1	265.2
15	258.9	212.3	200.9	512.2	682.0	1449.0	897.1	1290.5	317.0	223.6	223.6	322.6
16	237.2	188.2	186.8	534.9	636.8	1372.6	755.6	1225.4	305.6	193.9	608.5	245.1
17	212.3	212.3	297.2	730.1	534.9	1313.1	758.4	1279.2	302.8	208.0	452.8	229.5
18	200.9	242.0	339.6	783.9	520.7	1400.9	772.6	1245.2	302.8	219.3	328.3	230.9
19	198.1	171.5	282.4	670.7	583.0	1253.7	815.0	1143.3	265.2	212.3	291.5	262.1
20	186.8	215.1	262.1	591.5	594.3	1115.0	854.7	1064.1	317.0	196.7	300.0	209.4
21	188.2	257.5	285.8	563.2	650.9	1174.5	945.2	1064.1	285.8	186.8	265.2	215.1
22	220.7	265.2	376.4	614.1	766.9	1199.9	1013.1	962.2	331.1	206.6	297.2	177.7
23	223.6	225.0	458.5	710.3	928.2	1219.7	1013.1	849.0	384.9	212.3	260.6	181.7
24	222.2	167.5	384.9	781.1	1064.1	1120.7	1126.3	803.7	350.9	206.6	238.9	181.7
25	238.9	189.6	339.6	891.5	1310.3	1049.9	1324.4	781.1	359.4	189.6	266.9	167.5
26	245.1	166.4	308.5	880.1	1149.0	1027.3	1284.8	699.0	302.8	205.2	279.3	166.4
27	232.6	119.4	291.5	871.6	1115.0	1081.1	1287.7	622.6	268.3	279.3	265.2	175.2
28	219.3	97.9	258.9	849.0	1284.8	1129.2	1250.9	481.1	294.3	227.8	257.5	149.7
29	208.0		276.2	724.5	1055.6	1191.4	1267.8	458.5	279.3	208.0	235.7	139.5
30	215.1		282.4	687.7	1075.4	1171.6	1366.9	452.8	265.2	184.2	246.5	128.2
31	270.0		413.2		999.0		1395.2	537.7		189.6		134.4
Total =	6805.6	5682.6	8592.2	16700.1	29432.0	33756.2	31642.2	39204.0	10196.2	6715.3	7393.9	6779.8
Excel Total	6805.6	5682.6	8592.2	16700.1	29432.0	33756.2	31670.5	39198.3	10196.2	6715.3	7393.9	6779.8
Ave.	219.535	202.9514	277.1665	556.6704	949.4194	1125.208	1021.63	1264.462	339.8736	216.6228	246.4647	218.7042

NOWSHERA DISCHARGE 1983												
m3/s	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	99.1	317.0	274.5	376.4	1754.6	1514.1	2159.3	1999.7	1279.2	407.5	188.2	225.0
2	147.4	263.8	467.0	387.7	1468.8	1514.1	2320.6	2507.4	1644.2	427.3	182.8	229.2
3	237.2	217.9	427.3	427.3	1316.0	1468.8	2490.4	2722.5	1983.8	418.8	189.6	273.1
4	206.6	232.6	393.4	424.5	1355.6	1389.5	2439.5	2524.4	1539.5	407.5	220.7	246.5
5	163.9	248.2	328.3	529.2	1341.4	1296.1	2275.3	2382.9	1386.7	387.7	192.4	226.4
6	146.0	223.6	300.0	557.5	1364.1	1273.5	1930.1	2739.4	1324.4	365.1	252.7	217.9
7	165.0	210.8	279.3	594.3	1417.8	1290.5	1734.8	2702.7	1222.6	353.8	192.4	208.0
8	157.3	206.6	265.2	744.3	1465.9	1310.3	1567.8	2501.7	1140.5	339.6	217.9	203.8
9	217.9	177.7	322.6	965.0	1539.5	1293.3	1372.6	2275.3	1089.6	345.3	234.0	220.7
10	209.4	182.5	384.9	933.9	1782.9	1299.0	1488.6	2190.4	1052.8	353.8	203.8	220.7
11	147.2	182.5	424.5	880.1	2048.9	1341.4	1511.2	2065.9	1069.7	353.8	202.3	215.1
12	133.3	158.8	370.7	905.6	2159.3	1349.9	1460.3	1935.7	996.2	331.1	227.8	229.2
13	177.7	118.3	328.3	1089.6	1898.9	1412.2	1429.2	1930.1	942.4	342.4	225.0	238.9
14	217.9	116.0	305.6	1030.1	1893.3	1471.6	1361.2	1669.7	922.6	365.1	227.8	240.3
15	181.7	181.1	277.6	933.9	1811.2	1715.0	1282.0	1641.4	846.2	342.4	223.6	235.7
16	203.8	246.5	266.9	1010.3	1785.7	1949.9	1301.8	1539.5	758.4	353.8	225.0	198.1
17	157.3	188.2	283.0	1270.7	1893.3	1901.8	1327.3	1417.8	721.7	325.5	206.6	209.4
18	157.3	171.5	274.5	1273.5	2037.6	1873.5	1313.1	1335.8	679.2	300.0	222.2	209.4
19	157.3	165.0	297.2	1069.7	2193.3	1732.0	1301.8	1613.1	648.1	328.3	193.9	258.9
20	153.7	158.8	424.5	1027.3	2266.8	1632.9	1313.1	1811.2	571.7	260.4	171.5	276.2
21	189.6	156.2	401.9	1052.8	2323.4	1870.6	1296.1	1732.0	526.4	254.4	177.7	288.7
22	174.0	134.4	362.2	1117.9	2258.3	1638.6	1313.1	1596.1	489.6	280.7	210.8	279.3
23	166.4	108.1	285.8	1222.6	2102.7	1692.3	1669.7	1516.9	458.5	262.1	234.0	266.9
24	171.5	162.4	262.1	1250.9	1836.7	1717.8	1867.8	1446.1	444.3	251.3	238.3	317.0
25	145.5	157.3	342.4	1222.6	1681.0	1777.2	1938.6	1545.2	421.7	232.1	258.9	260.6
26	174.0	249.6	557.5	1222.6	1499.9	1873.5	2015.0	2368.7	387.7	237.2	260.4	317.0
27	174.0	182.5	537.7	1573.5	1516.9	2054.6	1966.9	2365.9	367.9	223.6	175.5	279.3
28	234.0	209.4	461.3	1986.7	1584.8	2139.5	1930.1	2136.7	356.6	209.4	209.4	234.0
29	348.1		413.2	1961.2	1700.8	2119.7	1975.3	1726.3	370.7	203.8	206.6	205.2
30	317.0		407.5	1876.3	1562.2	1983.8	2159.3	1497.1	356.6	196.7	242.0	297.2
31	345.3		376.4		1446.1		1805.5	1417.8		234.0		277.6
Total =	5872.8	5327.5	11103.2	30903.6	54307.7	48896.7	53320.0	60830.9	25999.2	9694.2	6410.0	7606.8
Excel Total	5876.5	5327.5	11103.2	30917.8	54307.7	48896.7	53317.2	60825.2	25999.2	9694.2	6413.6	7605.3
Ave.	189.5644	190.267	358.1685	1030.592	1751.861	1629.891	1719.9097	1962.103	866.6403	312.715	213.7876	245.3336

**NOWSHERA
DISCHARGE
1984**

m3/s Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	258.7	267.4	228.7	546.2	716.0	2436.6	2142.3	1618.8	1630.1	265.2	220.7	280.5
2	288.7	319.8	199.8	1007.5	648.1	2665.9	1839.5	1508.4	1876.3	261.8	215.6	274.5
3	314.1	240.6	185.4	1355.6	662.2	2914.9	1740.5	1593.3	1856.5	262.9	217.6	277.9
4	317.0	196.4	180.8	933.9	704.7	3084.7	1675.4	1627.3	1562.2	243.7	214.8	274.5
5	275.6	247.9	173.8	667.9	769.8	3141.3	1649.9	1652.7	1417.8	252.2	249.9	266.3
6	270.0	294.3	180.8	733.0	880.1	2801.7	1488.6	2020.6	1378.2	251.0	214.8	265.2
7	243.7	268.9	172.9	642.4	956.5	2753.6	1417.8	1748.9	1468.8	251.0	224.7	270.0
8	223.6	265.2	164.7	517.9	965.0	2484.7	1613.1	1655.6	1417.8	242.5	238.6	265.2
9	208.9	325.5	205.5	633.9	1092.4	2346.1	1406.5	2764.9	1182.9	226.7	224.7	276.8
10	223.6	325.5	159.0	520.7	1197.1	2498.9	1250.9	2419.7	970.7	213.7	235.5	294.3
11	226.7	345.3	162.4	467.0	1049.9	2399.8	1236.7	1904.6	812.2	230.6	249.9	288.7
12	227.5	300.0	173.8	435.8	1250.9	2351.7	1313.1	1814.0	727.3	245.6	240.6	270.0
13	233.5	259.8	185.4	435.8	1327.3	2269.7	1163.1	1876.3	670.7	242.5	233.5	268.9
14	243.7	300.0	201.8	452.8	1163.1	2119.7	1129.2	1859.3	693.4	258.7	237.4	277.9
15	246.8	317.0	165.6	540.5	1199.9	2148.0	1112.2	1763.1	6-7.7	245.6	234.6	245.6
16	249.9	325.5	174.6	583.0	1123.5	2198.9	1335.8	2051.8	580.2	240.6	239.4	217.6
17	249.0	288.7	305.6	563.2	1013.1	2259.3	1454.6	2436.6	523.6	226.7	256.4	233.5
18	239.4	336.8	441.5	583.0	984.8	2266.8	1604.6	1941.4	461.3	219.6	280.5	237.4
19	285.8	348.1	619.8	566.0	970.7	2213.1	1703.7	1845.2	486.8	214.8	288.7	249.9
20	255.3	348.1	509.4	557.5	1064.1	1845.2	1613.1	1867.8	588.6	196.4	267.4	242.5
21	249.0	365.1	416.0	778.3	1098.0	1675.4	1774.4	1794.2	500.9	186.2	271.1	247.9
22	243.7	302.8	396.2	766.9	1013.1	1525.4	1700.8	1859.3	413.2	206.3	261.8	258.7
23	233.5	322.6	353.8	597.1	1058.4	1579.1	1590.5	2340.4	393.4	207.2	305.6	240.6
24	221.6	311.3	401.9	523.6	1166.0	1562.2	1615.9	1882.0	365.1	198.9	314.1	236.6
25	224.7	285.8	481.1	633.9	1168.8	1797.1	1641.4	1715.0	356.6	198.9	291.5	244.5
26	235.5	288.7	633.9	891.5	1316.0	1966.9	1599.0	1635.7	339.6	201.8	288.7	238.6
27	222.7	277.9	546.2	919.8	1531.0	2029.1	1638.6	1856.5	319.8	219.6	282.7	244.5
28	207.2	247.9	441.5	993.3	1655.6	2312.1	1582.0	1947.0	302.8	210.0	274.5	238.6
29	206.3	234.6	467.0	987.7	1647.1	2507.4	1451.8	1683.9	297.2	207.2	265.2	230.6
30	207.2		461.3	800.9	1924.4	2179.1	1593.3	1463.1	282.7	198.1	265.2	252.2
31	229.5		523.6		2252.7		1545.2	1451.8		203.5		243.7
Total =	7562.0	8557.1	9913.5	20636.4	35570.3	68333.2	47623.2	57599.0	24564.1	7029.4	7605.6	7953.4
Excel Total	7562.0	8557.1	9913.5	20636.4	35570.3	68333.2	47623.2	57599.0	24564.1	7029.4	7605.6	7953.4
Ave.	243.9369	295.0714	319.79	687.8787	1147.428	2277.773	1536.2335	1858.032	818.8039	226.756	253.5208	256.5623

**NOWSHERA
DISCHARGE
1985**

m3/s Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	271.1	254.1	141.5	302.8	523.6	857.5	1259.4	1913.1	568.8	362.2	208.6	181.7
2	265.7	239.7	143.2	291.5	577.3	925.4	1216.9	2159.3	529.2	336.8	202.3	184.5
3	264.3	253.0	148.3	305.6	534.9	1021.6	1083.9	1777.2	481.1	322.6	204.3	173.5
4	260.4	254.1	140.1	314.1	435.8	1027.3	976.4	1938.6	467.0	339.6	207.4	173.5
5	245.6	247.9	144.6	421.7	421.7	1047.1	922.6	1771.6	486.8	353.8	195.3	175.2
6	214.5	265.7	139.5	455.6	478.3	1075.4	1010.3	1862.1	543.4	472.6	197.3	177.2
7	271.1	247.9	135.0	503.7	537.7	1120.7	1174.5	1655.6	523.6	427.3	205.5	175.2
8	232.9	243.4	132.7	625.4	568.8	1095.2	1307.5	1627.3	509.4	373.6	203.2	220.5
9	276.2	219.3	138.7	891.5	871.6	979.2	1437.6	1477.3	489.6	339.6	203.2	276.2
10	280.5	204.3	144.6	704.7	1018.8	1069.7	1361.2	1259.4	467.0	401.7	204.3	240.8
11	281.6	194.4	148.3	537.7	854.7	1100.9	1293.3	1182.9	515.1	441.5	192.2	206.3
12	288.7	192.4	143.8	469.8	730.1	1066.9	1284.8	1109.4	435.8	365.1	212.8	200.4
13	275.1	205.5	157.1	404.7	628.3	1004.7	1525.4	1089.6	441.5	328.3	200.4	183.4
14	262.9	182.5	134.1	413.2	568.8	942.4	1488.6	1092.4	447.1	300.0	192.2	189.3
15	281.6	178.0	139.5	433.0	498.1	959.4	1366.9	1064.1	469.8	273.7	196.4	189.3
16	245.6	176.0	121.7	396.2	495.3	959.4	1559.3	1030.1	447.1	291.5	189.3	196.4
17	229.2	175.2	117.2	390.5	537.7	874.5	1689.5	942.4	433.0	272.2	190.5	216.2
18	255.3	179.7	110.7	396.2	517.9	860.3	1627.3	897.1	433.0	243.4	190.5	202.3
19	325.5	178.9	98.2	441.5	529.2	874.5	1901.8	849.0	461.3	239.7	184.5	179.7
20	317.0	188.5	100.5	396.2	577.3	931.1	2433.8	916.9	478.3	231.8	179.7	194.4
21	285.8	182.5	106.1	396.2	699.0	950.9	1632.9	925.4	444.3	227.0	180.6	190.5
22	356.6	178.9	103.3	438.7	687.7	936.7	1415.0	871.6	438.7	222.4	188.5	194.4
23	291.5	161.3	105.0	401.9	733.0	871.6	1361.2	863.2	447.1	217.1	185.4	203.2
24	294.3	169.8	111.8	401.9	914.1	916.9	1355.6	826.4	461.3	256.7	189.3	199.2
25	280.5	162.7	100.5	444.3	1010.3	976.4	1732.0	837.7	467.0	174.3	201.2	243.4
26	259.2	149.7	124.0	461.3	837.7	1010.3	1921.6	854.7	483.9	204.3	198.4	356.6
27	285.8	154.8	218.2	478.3	758.4	1055.6	1774.4	815.0	464.1	227.0	184.5	455.6
28	288.7	146.9	441.5	483.9	766.9	1103.7	1748.9	752.8	447.1	221.6	199.2	390.5
29	275.1		399.0	563.2	849.0	1208.4	1655.6	667.9	421.7	213.9	185.4	359.4
30	271.1		353.8	546.2	933.9	1211.2	1587.6	580.2	370.7	201.2	182.5	331.1
31	265.7		317.0		922.6		1661.2	594.3		208.6		317.0
Total =	8499.1	5587.3	5059.8	13711.4	21018.4	30034.8	45766.8	36204.2	14073.6	9093.9	5868.9	7176.9
Excel Total	8499.1	5587.3	5059.8	13711.4	21018.4	30034.8	45766.8	36204.2	14073.6	9093.9	5868.9	7176.9
Ave.	274.1631	199.5453	163.1997	457.045	678.0132	1001.16	1476.3471	1167.877	469.1197	293.3523	195.6285	231.5123

NOWSHERA DISCHARGE												
1986												
m3/s	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
Date	1	2	3	4	5	6	7	8	9	10	11	12
	13	14	15	16	17	18	19	20	21	22	23	24
	25	26	27	28	29	30	31					
Total =	8049.1	7264.6	14047.8	28028.3	37927.7	46828.0	64775.9	46513.9	14667.9	9609.0	8855.9	12270.9
Excel Total	8057.6	7264.6	14047.8	28028.3	37927.7	46828.0	64775.9	46513.9	14667.9	9609.0	8855.9	12270.9
Ave.	259.9218	259.4504	453.156	934.2773	1223.473	1560.934	2089.5442	1500.448	468.9297	309.9672	295.1973	395.8348

NOWSHERA DISCHARGE												
1987												
m3/s	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
Date	1	2	3	4	5	6	7	8	9	10	11	12
	13	14	15	16	17	18	19	20	21	22	23	24
	25	26	27	28	29	30	31					
Total =	8569.5	7148.6	24581.7	33275.1	35898.6	50133.5	49111.8	32833.7	19863.8	14294.3	7815.6	6466.0
Excel Total	8569.8	7148.6	24581.7	33275.1	35898.6	50133.5	49111.8	32833.7	19863.8	14294.3	7815.6	6466.0
Ave.	276.4454	255.3064	792.9569	1109.171	1158.018	1671.115	1584.2523	1059.15	662.1257	461.1074	260.5204	208.5801

NOWSHERA												
DISCHARGE												
1988												
m3/s	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	193.3	247.9	195.3	667.9	2029.1	1930.1	2620.6	2128.2	769.8	390.5	208.6	215.1
2	243.4	245.6	174.3	597.1	2295.1	1983.8	2266.8	2374.4	693.4	367.9	212.8	209.7
3	242.2	229.2	178.0	591.5	2023.5	1848.0	2173.4	2374.4	687.7	367.9	220.5	208.6
4	246.8	232.9	176.0	752.8	1876.3	1740.5	2077.2	1621.6	636.8	373.6	203.2	204.3
5	242.2	231.8	178.9	744.3	1782.9	1652.7	2029.1	1480.1	574.5	365.1	227.0	213.9
6	223.6	232.9	187.3	665.1	1785.7	1474.4	2111.2	1267.8	517.9	336.8	203.2	198.4
7	224.7	225.8	176.0	716.0	1681.0	1440.5	2207.4	1202.8	489.6	311.3	202.3	196.4
8	219.3	221.6	297.2	614.1	1437.6	1491.4	1887.6	1208.4	483.9	291.5	198.4	202.3
9	208.6	271.1	348.1	509.4	1310.3	1511.2	1627.3	1715.0	483.9	280.5	201.2	199.2
10	209.7	281.6	393.4	605.6	1267.8	1443.3	1652.7	1576.3	506.6	288.7	208.6	210.8
11	212.8	244.5	925.4	679.2	1310.3	1327.3	1615.9	1485.8	475.4	283.0	201.2	211.7
12	239.7	213.9	885.8	670.7	1375.4	1299.0	1610.3	1460.3	455.6	264.3	196.4	211.7
13	238.6	207.4	724.5	738.6	1449.0	1279.2	1785.7	1412.2	464.1	251.6	194.4	243.4
14	245.6	199.2	554.7	854.7	1553.7	1386.7	1983.8	1395.2	478.3	255.3	192.4	216.2
15	238.6	198.4	424.5	916.9	1729.1	1429.2	2397.0	1502.7	520.7	245.6	209.7	228.1
16	243.4	181.7	546.2	959.4	1748.9	1355.6	3452.6	1700.8	631.1	247.9	212.8	215.1
17	229.2	178.9	517.9	996.2	1615.9	1392.4	2815.9	1531.0	713.2	219.3	211.7	205.5
18	237.4	180.6	486.8	1069.7	1593.0	1548.0	2241.4	1349.9	837.7	230.6	205.5	221.6
19	231.8	178.9	427.3	1400.9	1553.7	1638.6	2023.5	1265.0	769.8	221.6	218.2	273.7
20	219.3	178.9	367.9	1369.7	1528.2	1799.9	1816.9	1157.5	614.1	261.8	216.2	302.8
21	224.7	195.3	350.9	1270.7	1525.4	1884.8	1717.8	1089.6	549.0	245.6	212.8	279.0
22	275.1	276.2	345.3	1262.2	1590.5	1975.3	1930.1	1083.9	512.2	240.8	206.3	305.6
23	311.3	269.7	322.6	1327.3	1587.6	2102.7	2040.4	1132.0	452.8	224.7	202.3	31.1
24	267.2	222.4	302.8	1398.0	1539.5	2241.4	2697.0	1166.0	441.5	225.8	198.4	308.5
25	256.7	209.7	373.6	1301.8	1550.8	2249.9	2371.5	1191.4	435.8	225.8	195.3	294.3
26	250.5	177.2	1171.6	1304.6	1497.1	2139.5	1822.5	1434.8	421.7	206.3	200.4	273.7
27	244.5	181.7	1194.3	1463.1	1468.8	2329.9	1599.0	1488.6	416.0	229.2	220.5	288.7
28	253.0	180.6	891.5	1548.0	1465.9	2524.4	1511.2	1618.8	418.8	212.8	206.3	260.4
29	262.9	191.3	755.6	1669.7	1480.1	2626.2	1556.5	1245.2	410.4	209.7	215.1	259.2
30	257.8		733.0	1794.2	1610.3	2801.7	1638.6	1016.0	396.2	202.3	206.3	278.8
31	255.3		659.4		1824.8		1887.6	871.6		215.1		269.7
Total =	#VALUE!											
Excel Total	7449.1	6286.8	15265.9	30459.3	50153.3	53750.2	63168.4	44547.0	16258.4	8293.0	6207.9	7237.4
Ave.	240.2944	216.7878	492.4474	1015.31	1617.847	1791.673	2037.6913	1437.001	541.945	267.5172	206.9296	233.4659

NOWSHERA												
DISCHARGE												
1989												
m3/s	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	289.3	277.3	186.0	975.4	747.0	1994.4	1742.3	2406.0	740.6	345.6	198.1	184.3
2	300.2	268.8	186.9	1028.3	1120.7	2110.5	1724.7	1909.9	648.2	319.6	196.4	191.7
3	305.9	251.8	154.3	797.1	1283.2	2195.2	1658.6	1559.2	587.3	278.7	201.8	179.3
4	301.3	239.1	149.5	655.2	959.4	2307.9	1632.6	1345.7	534.5	293.4	211.1	172.9
5	311.0	257.1	151.2	626.2	787.7	2283.2	1503.4	1424.2	544.4	296.2	181.1	158.1
6	460.6	257.0	162.9	588.2	755.0	2150.3	1387.2	1306.2	513.1	274.6	218.6	151.0
7	453.2	229.2	193.1	590.4	737.1	2079.3	1260.2	1158.1	550.4	294.7	204.7	156.7
8	363.6	208.8	195.5	529.2	714.2	2025.3	1160.0	1017.9	491.6	262.7	198.0	153.8
9	330.3	202.6	205.4	560.3	676.0	1997.9	1171.5	965.7	479.1	244.7	195.3	179.1
10	324.6	194.1	284.3	666.7	684.3	1847.9	1248.5	999.0	467.8	237.1	193.1	196.4
11	323.2	179.0	296.7	621.2	768.9	1779.2	1380.9	953.7	442.2	217.9	203.6	195.5
12	321.7	170.1	240.6	555.8	857.8	1562.1	1502.9	884.6	462.9	229.1	201.7	182.1
13	317.0	176.3	249.5	510.8	859.7	1630.4	1622.5	956.3	485.9	300.6	213.4	174.3
14	306.3	163.1	265.2	448.5	955.3	1629.3	1897.2	1043.8	459.3	313.5	219.9	147.4
15	305.6	175.1	215.1	476.3	1055.3	1558.2	1896.7	987.6	479.3	365.7	229.1	167.8
16	303.6	181.0	195.4	448.3	1134.3	1482.1	1789.5	959.6	470.8	329.2	226.3	164.6
17	297.5	172.7	185.1	492.8	1224.9	1552.0	1610.0	954.2	479.4	289.5	206.5	170.8
18	293.9	165.0	197.3	512.7	1272.6	1570.2	1586.2	920.3	492.4	265.1	206.5	166.5
19	274.4	176.2	213.9	558.8	1244.7	1545.7	1556.5	926.1	529.4	250.3	212.3	165.8
20	271.4	142.5	284.8	550.8	1330.2	1581.3	1363.6	1023.6	533.5	241.0	206.2	184.1
21	263.6	132.7	326.9	526.5	1412.3	1555.7	1274.9	1059.3	655.9	237.4	214.7	258.0
22	289.4	121.6	399.7	520.3	1537.3	1432.5	1508.0	1050.2	672.0	227.2	216.9	239.0
23	291.9	130.4	482.9	532.5	1658.2	1416.1	1168.7	1103.2	646.8	216.4	207.8	223.3
24	271.1	139.3	519.5	541.6	1655.6	1391.7	1208.8	1110.7	699.6	223.5	198.0	217.3
25	274.1	134.2	428.3	650.2	1445.0	1423.9	1233.9	1144.9	653.6	214.6	207.9	234.5
26	268.5	147.4	393.5	758.5	1358.5	1503.3	1250.7	1104.1	512.3	211.0	218.2	251.7
27	262.2	149.9	365.5	712.1	1370.5	1620.6	1253.6	1073.2	443.4	211.6	224.9	277.8
28	265.9	146.9	431.5	674.4	1418.8	1642.9	1177.9	1079.0	387.8	218.2	206.6	262.9
29	277.4		378.0	621.3	1552.3	1614.8	1214.1	1006.6	396.5	213.4	208.6	241.6
30	280.8		392.0	729.3	1727.1	1660.9	1692.5	924.7	355.2	205.1	183.4	252.1
31	252.5		476.7		1861.0		2478.0	809.7		198.9		248.8
Total =												
Excel Total	9452.2	5189.2	8807.3	18459.6	36162.8	52144.8	45856.2	35167.1	15815.0	8026.5	6247.8	6148.9
Ave.	304.9097	185.3296	284.1064	615.3184	1166.541	1738.161	1479.2328	1134.423	527.1677	258.9194	208.2588	198.3529

**NOWSHERA
DISCHARGE**

1990

m3/s

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	253.7	347.4	467.3	596.0	1041.9	1453.7	2043.2	1204.9	1024.4	516.1	276.3	200.4
2	263.0	367.2	406.1	511.6	1156.0	1228.9	2181.6	1611.5	917.1	452.9	426.1	200.5
3	248.2	328.6	414.5	443.0	1186.9	1097.0	2290.3	1801.0	812.5	433.8	381.0	201.1
4	271.7	304.1	388.9	426.7	1259.6	1103.5	2262.1	1799.5	852.1	425.2	344.7	197.9
5	259.9	286.5	331.8	428.3	1407.4	1075.8	2287.4	1864.3	975.6	402.1	327.8	201.2
6	249.3	265.9	323.8	506.3	1497.5	1007.5	2309.8	1927.2	1074.6	384.2	304.6	203.4
7	245.8	285.9	294.0	991.0	1619.7	1109.5	2149.3	1562.6	903.8	364.3	271.3	201.1
8	237.8	404.1	273.9	1116.3	1714.7	1330.2	2048.5	1488.1	822.3	342.1	265.8	192.6
9	244.0	478.6	299.6	963.7	1798.2	1429.5	1993.1	1953.1	795.1	315.1	256.7	199.8
10	235.6	416.6	320.0	872.8	1943.6	1525.7	1936.5	1886.6	805.1	290.7	255.3	195.8
11	216.8	352.4	419.2	784.5	2160.9	1607.1	1816.4	1601.4	748.3	292.5	257.2	197.3
12	229.6	350.8	427.5	738.9	2285.6	1527.4	1657.6	1445.4	732.2	290.5	239.5	205.5
13	220.1	311.6	353.5	701.0	2370.3	1553.9	1513.4	1409.0	694.9	288.5	236.7	195.6
14	236.2	351.9	319.9	685.1	2415.9	1364.8	1407.2	1592.0	679.8	301.4	232.5	201.1
15	232.9	374.6	346.6	708.2	2541.2	1286.8	1307.4	1597.4	682.3	298.3	228.6	216.2
16	226.3	359.8	439.5	742.0	2770.1	1257.4	1270.3	1355.0	677.7	276.6	240.4	286.0
17	228.5	347.6	766.1	747.7	3136.9	1309.2	1269.2	1227.8	671.7	345.2	230.7	289.8
18	240.2	351.1	875.0	803.1	3306.1	1418.8	1425.0	1164.2	673.0	569.0	228.4	270.6
19	260.8	340.7	857.7	894.3	3168.0	1534.0	1255.1	1105.4	749.9	520.0	218.5	231.6
20	266.9	318.8	1043.4	925.5	2756.6	1624.6	1234.0	1130.4	740.0	443.5	237.2	243.3
21	270.9	326.4	1867.2	900.1	2361.6	1728.0	1304.1	1107.4	675.9	397.6	233.0	244.3
22	264.9	292.3	1958.4	902.8	2069.5	1860.0	1378.1	1045.7	626.7	356.0	237.3	236.1
23	254.9	306.5	1442.0	889.8	1848.2	2044.5	1249.9	1080.8	613.0	371.7	238.0	254.8
24	257.3	319.7	1060.4	885.3	1748.7	2253.3	1077.4	1039.9	616.5	295.4	229.0	250.0
25	264.4	424.3	893.7	938.8	1793.9	2482.4	1042.8	999.8	642.6	293.7	220.0	268.9
26	276.5	470.5	811.4	1075.1	1891.0	2748.7	1097.7	964.7	605.9	288.8	219.8	264.1
27	324.5	473.8	687.7	1187.3	1918.2	2879.3	1146.0	939.8	590.4	272.7	214.9	283.7
28	389.6	509.3	644.5	1116.1	1883.7	2532.2	1288.8	903.5	569.6	276.6	279.1	480.7
29	435.8	591.1	981.6	1976.9	2110.3	1317.4	873.9	536.2	259.0	201.4	539.5	
30	328.2	583.3	965.3	1868.9	1979.5	1273.3	979.9	531.0	252.6	190.6	504.2	
31	372.3	666.9	1600.6				1218.7	1168.7	257.1	404.8		

Total =												
Excel Total Ave.	8306.4	10066.0	20575.0	24428.2	62598.4	49463.8	49051.6	41831.0	22040.3	10873.2	7722.2	8060.6
	267.9499	359.5	663.7099	814.2731	2019.302	1648.794	1582.309	1349.388	734.6765	350.7484	257.4083	260.0186

**NOWSHERA
DISCHARGE**

1991

m3/s

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	343.5	469.0	530.7	1516.3	1743.2	1984.7	2331.7	2403.2	1330.8	913.2	317.3	336.7
2	343.1	452.0	489.4	1576.1	1803.2	2060.6	2631.4	2392.6	1254.9	737.3	321.5	326.9
3	311.2	445.5	517.7	1881.3	1795.6	2178.8	2711.6	2275.2	1185.3	650.5	306.7	300.3
4	290.4	437.8	655.9	1773.7	1589.9	2363.4	2779.0	2212.3	1170.5	575.1	325.1	292.3
5	295.9	488.4	877.2	1530.3	1435.7	2525.9	2772.1	2205.0	1184.5	536.1	306.7	291.4
6	286.5	468.1	754.1	1531.5	1392.6	2686.2	2815.2	2095.7	1239.1	565.3	311.9	322.6
7	282.0	523.7	661.1	1558.5	1525.7	2860.9	2788.3	1999.1	1224.6	520.9	359.9	295.3
8	258.6	514.2	637.1	1654.5	1796.6	3201.9	2574.1	1926.0	1215.1	509.9	301.7	282.4
9	255.6	565.0	780.7	2259.1	2055.1	3619.6	2466.6	1894.5	1108.0	523.0	304.4	273.1
10	260.3	722.0	737.7	1945.2	2123.8	3860.8	2584.6	1858.3	1043.7	500.0	311.3	269.1
11	273.9	922.7	728.4	1744.8	1898.4	4010.4	2696.8	1622.0	1004.8	489.2	294.7	269.3
12	274.4	970.6	688.8	1536.6	1689.5	4038.9	2780.8	1427.8	979.7	483.8	281.3	267.6
13	260.9	770.1	704.8	1830.8	1663.6	3969.9	3025.9	1355.8	961.9	469.1	293.0	268.3
14	252.2	647.1	679.3	2466.3	1825.8	3868.5	3720.7	1325.3	965.5	445.0	300.8	271.1
15	263.8	698.0	603.3	2479.0	2186.6	3831.1	4023.8	1361.5	1085.2	426.9	332.2	269.4
16	267.3	670.6	626.8	2360.7	2318.2	3898.6	3265.4	1354.8	1042.9	434.5	311.1	275.4
17	237.1	646.1	610.8	2010.5	2301.4	4061.4	2871.9	1424.6	1191.2	450.9	327.5	270.5
18	234.6	630.4	776.6	1768.8	2349.5	4173.3	2757.8	1498.5	1137.7	424.9	289.1	279.4
19	312.3	606.6	1211.8	1599.5	2314.5	4160.0	2885.3	1609.9	1140.2	409.4	343.6	264.7
20	250.1	625.8	1015.7	1532.2	2425.5	3945.7	2908.4	1606.6	906.7	419.5	323.4	267.4
21	261.1	603.2	879.8	1569.6	2797.3	3471.3	2925.5	1679.2	802.4	429.0	318.1	279.4
22	271.2	557.6	994.2	1655.4	2987.5	2875.0	3048.1	1737.2	691.8	377.0	315.5	286.5
23	274.4	565.9	1291.2	1689.5	2675.0	2509.5	3052.6	1749.1	642.9	371.5	319.9	313.1
24	292.7	559.8	1191.1	1599.9	2363.1	2213.4	2765.5	1628.6	598.6	378.0	297.6	265.9
25	244.6	561.6	1085.2	1611.5	2521.2	2164.5	2644.4	1441.2	544.4	391.7	295.8	266.4
26	266.1	606.0	1037.3	1695.7	2763.7	2173.5	2522.2	1272.6	525.7	351.1	292.3	256.7
27	363.9	577.2	1041.6	1727.8	2744.2	2140.0	2441.2	1235.9	554.1	340.5	321.5	252.1
28	658.5	565.0	1082.5	1705.8	2473.9	2221.7	2324.8	1209.1	585.5	342.7	355.1	244.1
29	868.6	1072.8	1734.6	2244.1	2281.5	2314.2	1317.0	882.7	314.2	324.0	244.5	
30	585.4	1204.4	1676.7	2094.3	2394.6	2339.8	1396.2	1041.5	322.6	336.4	240.6	
31	468.6	1359.9	2015.6				2379.0	1290.0	313.5	273.3		

Total =												
Excel Total Ave.	10108.5	16870.1	26527.9	53262.3	65914.1	91745.5	86148.5	51805.0	29241.7	14416.1	9439.4	8616.0
	326.0799	602.505	855.74	1775.409	2126.262	3058.184	2778.984	1671.129	974.7218	465.0347	314.6469	277.9343

NOWSHERA
DISCHARGE

1992

m3/s	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
Date												
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
Total = Excel Total Ave.	0	0	0	0	0	0	0	0	0	0	0	0

NOWSHERA
DISCHARGE

1993

m3/s	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
Date												
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
Total = Excel Total Ave.	0	0	0	0	0	0	0	0	0	0	0	0

**NOWSHERA
DISCHARGE
1994**

m3/s Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	275.7	224.2	211.9	692.1	1212.5	1468.7	2545.1	1886.1	1185.9	310.2	367.2	285.0
2	357.9	216.7	191.7	653.1	1140.8	1490.1	2809.3	1879.5	1194.3	290.0	339.3	268.9
3	312.6	212.0	212.3	649.9	1164.0	1565.7	3142.9	1865.5	1098.9	286.2	309.9	266.4
4	237.0	206.2	268.4	813.0	1360.9	1601.2	3219.2	1963.6	1079.6	283.9	301.8	247.1
5	219.2	208.2	330.7	1133.3	1205.9	1647.3	3103.6	1948.3	1132.7	291.6	311.8	266.0
6	225.6	288.4	295.2	1668.0	1322.6	1661.1	2935.4	1916.4	1104.1	302.4	310.0	257.7
7	220.6	267.5	267.7	1342.6	1323.8	1823.7	2836.6	1870.6	1016.8	360.9	305.3	300.6
8	220.0	237.6	264.8	1008.7	1307.0	1988.9	2799.0	1884.5	984.1	368.6	312.0	376.9
9	220.6	227.6	246.7	874.9	1467.5	2123.0	2860.2	1908.6	922.6	344.7	303.0	400.1
10	231.2	229.8	252.9	789.8	1350.6	2034.6	2820.3	1955.5	807.2	347.8	292.1	338.9
11	227.5	231.5	240.4	719.2	1120.1	1868.9	3006.0	2193.0	699.7	330.1	306.4	322.9
12	222.3	223.7	231.0	731.2	1035.6	1711.6	3057.2	2054.4	673.0	466.8	308.9	294.7
13	241.4	216.8	265.9	701.5	1206.8	1572.3	2917.6	1657.5	618.0	531.1	346.7	292.8
14	252.3	228.7	235.9	710.0	1262.0	1502.5	3077.6	1573.3	556.1	469.5	354.0	287.6
15	254.4	206.1	273.3	741.7	1336.1	1453.5	3371.7	1483.7	514.2	406.7	337.4	267.2
16	256.5	220.6	337.7	759.0	1265.4	1482.4	2713.4	1472.2	492.0	373.4	330.1	250.1
17	261.0	210.6	375.7	678.8	1208.0	1502.2	2109.5	1586.9	532.9	342.1	304.5	269.6
18	258.5	199.5	397.6	627.0	1217.0	1602.2	2044.6	1465.6	499.1	316.6	331.1	253.8
19	255.4	191.0	492.4	698.4	1324.4	1689.3	2037.7	1407.2	503.4	304.8	293.8	257.5
20	268.7	186.2	632.3	647.8	1438.4	1721.0	2073.3	1332.2	458.5	300.3	319.8	244.5
21	263.4	261.5	712.7	697.9	1528.8	1862.9	2187.4	1252.4	436.8	298.3	312.5	261.2
22	278.2	267.8	650.6	723.5	1497.0	2123.3	2179.8	1256.4	459.6	294.5	305.3	244.6
23	270.0	267.9	566.7	706.4	1557.7	2365.1	2138.7	1339.8	456.8	293.6	317.1	261.8
24	259.5	233.3	507.3	748.6	1591.0	2536.6	2216.2	1560.9	426.5	293.4	304.4	260.5
25	264.5	219.1	487.3	737.8	1472.7	2713.9	2188.2	1618.0	395.7	336.7	297.6	268.0
26	251.4	210.6	516.8	778.6	1341.6	2843.5	1869.7	1607.2	355.7	433.8	296.0	261.0
27	247.8	221.1	545.7	897.0	1345.9	2670.7	1666.4	1652.0	321.4	550.2	297.9	261.7
28	284.0	216.6	489.1	963.5	1346.8	2580.3	1685.1	1478.5	311.2	605.7	312.7	316.8
29	285.3		499.3	1021.8	1416.2	2517.0	1782.9	1348.9	306.4	481.2	282.1	381.0
30	254.2		519.1	1175.9	1498.1	2485.1	1804.4	1256.0	293.1	429.7	292.8	370.9
31	243.5		634.1		1496.8		1841.1	1189.8		394.3		326.0
Total =												
Excel Total	7920.3	6330.7	12154.3	25090.8	41362.2	58208.5	77040.1	50869.4	19337.5	11439.0	9403.4	8961.6
Ave.	255.4933	226.0948	392.0737	836.3593	1334.285	1940.285	2485.165	1640.948	661.2484	368.9991	313.448	289.0836

**NOWSHERA
DISCHARGE
1995**

m3/s Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	310.9	250.9	285.6	911.0	1767.7	1186.4	2180.5	1504.3	1187.4	456.7	320.8	251.8
2	315.8	287.6	272.0	762.0	1699.4	1487.8	2231.9	1402.3	1073.4	397.8	277.3	229.3
3	313.2	284.0	263.5	728.3	1431.7	1689.8	2244.0	1507.7	975.7	356.6	280.6	220.5
4	305.5	274.3	229.8	585.8	1423.5	1479.7	2245.0	1906.9	878.9	345.4	269.8	215.2
5	302.3	272.2	213.8	577.4	1429.0	1518.4	2392.7	2365.3	822.2	340.1	270.5	213.5
6	305.4	263.8	194.5	516.1	1554.1	1582.1	2418.9	1895.6	789.7	329.0	258.5	216.6
7	289.8	260.6	198.0	483.9	1397.7	1667.1	2403.3	1763.5	730.8	340.6	249.1	216.1
8	288.3	236.1	250.4	585.8	1331.3	1876.1	2395.8	1959.4	702.4	345.2	249.1	195.6
9	292.9	215.2	402.2	839.1	1605.6	2053.5	2613.2	1916.1	715.1	302.9	246.8	208.2
10	275.8	212.6	367.3	1086.1	1711.3	2389.1	2697.0	1702.6	727.5	307.9	238.4	201.9
11	272.8	212.3	330.1	1044.5	1839.6	2360.9	2712.5	1616.8	680.6	316.9	220.2	202.0
12	285.2	362.4	270.2	832.3	1925.8	2366.2	2684.7	1603.7	684.1	305.8	210.2	211.7
13	298.8	383.5	230.8	718.3	1892.7	2408.2	2613.4	1587.4	636.3	304.8	207.0	203.1
14	254.2	316.5	226.9	692.7	1800.9	2330.2	2540.0	1609.7	569.8	273.0	210.3	216.0
15	296.2	287.9	202.5	811.0	1701.2	2653.5	2433.9	1615.6	558.1	378.8	213.8	213.8
16	281.2	280.2	170.9	886.5	1764.4	2792.5	2384.3	1548.8	502.4	399.2	204.2	234.2
17	287.3	278.9	169.7	922.7	1656.9	2809.3	2246.0	1524.6	437.2	541.4	209.0	239.6
18	291.0	228.3	172.6	1031.5	1451.6	2853.7	2229.5	1640.1	476.3	538.8	205.7	255.9
19	286.2	219.9	155.1	1956.5	1557.5	2872.6	2578.0	1547.5	449.5	461.6	189.9	261.3
20	303.3	245.8	187.3	2358.6	1605.9	2811.1	2731.9	1448.0	429.9	423.8	213.7	244.4
21	277.9	250.1	237.0	1945.8	1471.6	2649.4	2576.5	1375.7	421.8	365.1	222.6	251.5
22	273.6	248.0	254.1	1872.0	1434.2	2328.8	2541.8	1361.1	382.0	361.1	218.9	247.1
23	266.0	225.0	302.6	1699.9	1345.0	2215.6	2453.1	1351.7	376.8	354.4	218.6	241.6
24	268.9	218.6	688.0	1704.4	1142.9	1971.6	2743.3	1255.0	428.9	351.5	212.4	245.8
25	268.5	220.9	1541.3	1645.7	1241.4	1848.8	3097.4	1255.0	423.8	352.7	188.9	250.0
26	270.1	232.6	1821.6	1628.4	1268.1	1972.6	4039.3	1216.5	414.1	305.9	184.7	238.2
27	270.2	226.9	1405.2	1711.7	1216.4	2106.9	3253.0	1253.2	392.2	321.6	179.6	242.8
28	269.0	233.0	1162.2	1691.0	1103.1	2110.9	2370.8	1217.4	407.3	310.9	184.5	239.0
29	278.4		1331.3	1654.2	1109.6	2037.5	1923.6	1221.3	414.9	305.7	201.3	248.9
30	246.9		1258.8	1641.3	1101.9	1981.5	1769.8	1223.4	454.8	295.8	250.1	239.9
31	242.0		1004.5		1016.5		1648.7	1268.4		295.3		243.5
Total =												
Excel Total	8807.4	7233.0	15799.9	35524.6	45998.6	64415.1	77393.6	47664.4	18143.8	11086.2	6806.4	7138.9
Ave.	284.1083	258.3224	509.6739	1184.153	1483.825	2147.169	2496.568	1537.561	604.7946	357.6198	226.8802	230.2871

Warsak



WARSAK DISCHARGE 1986												
m3/s	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
Date												
1								1169.6	427.6	249.8	181.5	254.1
2								1292.5	431.0	240.3	213.6	254.1
3								1953.2	432.3	230.7	200.8	254.1
4								1437.9	437.0	229.2	187.9	250.0
5								1530.4	493.8	205.8	182.0	254.1
6								1641.9	443.2	228.7	185.4	254.1
7								1762.0	452.0	210.1	189.2	254.1
8								1720.9	424.6	221.8	188.2	254.1
9								1435.0	430.5	215.9	189.9	238.9
10								1296.2	398.9	223.1	171.0	243.1
11								1229.1	383.4	228.9	205.5	269.0
12								1258.7	353.8	234.5	211.8	280.6
13								1195.3	336.7	219.0	219.6	295.0
14								972.6	316.6	219.9	219.6	367.4
15								966.6	293.3	217.4	222.4	267.3
16								802.0	340.7	196.6	258.7	259.6
17								783.9	284.3	197.9	243.1	274.8
18								785.8	231.2	189.5	234.8	270.8
19								781.9	269.7	199.9	219.6	297.9
20								787.6	235.7	200.1	219.6	300.8
21								811.6	289.0	187.9	219.6	241.5
22								802.8	275.9	188.3	225.3	172.9
23								728.7	262.4	178.6	225.3	171.1
24								651.0	228.8	178.5	229.3	170.1
25								654.0	239.4	110.2	219.6	157.9
26								610.1	235.5	169.1	238.7	169.9
27								605.9	274.8	153.1	275.8	175.4
28								586.6	261.1	167.7	262.4	182.8
29								527.8	256.7	166.8	264.9	191.2
30								532.3	246.3	159.4	254.1	179.5
31								471.4		142.1		188.9
Total =												
Excel Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31786.5	9985.9	6160.8	6558.2	7395.4
Ave.								1025.371	332.8637	198.7363	218.6062	238.5599

WARSAK DISCHARGE 1987												
m3/s	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
Date												
1	243.6	144.2	132.4	543.4	795.5	1363.7	1559.9	951.3	840.5	254.2	182.7	154.1
2	188.7	139.9	144.7	560.3	699.5	1343.3	1524.8	809.5	795.9	242.4	158.7	191.6
3	195.3	144.2	141.1	522.0	640.9	1399.4	1617.1	684.9	740.4	247.8	160.6	175.3
4	195.8	147.1	137.1	526.7	587.2	1744.7	1501.8	690.8	715.4	228.0	178.5	160.6
5	169.4	148.3	99.6	387.0	562.5	1536.3	1552.0	680.0	683.0	219.3	165.0	160.1
6	163.4	143.1	139.2	366.7	608.0	1486.6	1506.3	653.4	643.5	208.1	170.6	166.9
7	169.5	136.2	215.9	344.3	579.7	1578.0	1592.5	664.5	639.1	207.6	178.7	148.7
8	171.2	146.8	261.0	383.5	608.7	1712.3	1649.4	677.2	675.6	205.6	180.4	150.3
9	157.5	168.2	239.8	452.6	663.2	1819.6	1625.9	692.5	674.8	197.8	178.3	161.6
10	170.0	151.3	201.9	453.6	601.7	1842.5	1606.4	722.3	690.3	244.1	158.9	142.3
11	164.4	140.0	207.5	382.4	583.0	1755.6	1536.5	743.6	643.2	274.5	183.6	159.6
12	145.2	144.2	195.7	346.1	556.3	1695.5	1548.8	737.6	577.1	248.8	168.1	132.1
13	170.3	136.7	198.7	361.8	553.2	1578.7	1483.5	768.8	528.9	306.0	177.4	151.9
14	159.8	136.7	234.1	307.3	560.3	1501.0	1384.5	819.6	497.1	288.3	174.5	141.7
15	171.8	144.1	275.5	315.6	588.8	1330.2	1195.7	889.8	467.4	246.7	174.4	127.5
16	153.2	136.1	266.2	340.3	582.4	1376.6	1117.6	844.9	494.3	243.4	166.9	120.3
17	154.2	131.1	355.8	332.4	568.3	1260.5	1112.5	834.1	447.8	230.1	163.7	136.5
18	164.8	139.9	279.7	355.8	678.6	1244.2	1012.5	771.6	422.5	202.6	161.9	112.9
19	165.0	139.6	291.8	402.4	679.9	1234.0	962.7	749.3	412.2	212.4	159.1	104.2
20	153.1	123.2	291.3	427.6	691.7	1216.3	971.4	678.5	403.0	216.6	161.9	113.9
21	158.1	128.3	364.1	613.5	725.7	1277.9	918.0	672.1	380.9	213.2	192.9	132.1
22	166.5	112.2	424.6	874.4	666.5	1127.0	929.8	722.8	343.6	203.6	189.8	146.3
23	158.7	119.4	487.2	1098.6	858.6	989.1	1048.7	770.8	319.7	211.0	180.1	134.6
24	155.8	133.3	539.1	941.5	833.1	945.4	1177.1	826.7	305.6	205.4	160.9	136.3
25	154.0	165.7	502.3	787.0	822.7	1170.3	1290.1	866.2	346.3	205.1	159.2	124.7
26	153.2	165.1	514.4	749.5	853.8	1264.7	1355.2	853.9	282.9	197.1	154.3	105.6
27	160.7	170.8	529.2	700.8	913.9	1308.7	1524.3	903.8	263.4	192.9	154.7	105.2
28	181.0	152.1	574.5	699.7	1066.0	1362.2	1642.3	902.7	258.2	193.7	154.4	137.7
29	158.2		571.7	781.2	1199.8	1499.1	1333.9	876.8	240.2	196.3	158.9	145.5
30	157.3		504.3	871.0	1293.3	1519.4	1159.8	899.8	247.2	194.1	159.3	146.3
31	94.6		539.1		1319.5		1019.0	883.8		196.5		138.2
Total =												
Excel Total	5124.5	3987.7	9859.8	16228.7	22942.4	42508.8	41459.9	24243.8	14979.9	6933.2	5068.4	4364.6
Ave.	165.3049	142.4177	318.0582	540.9564	740.0788	1416.958	1337.417	782.0577	499.3309	223.6512	168.9472	140.7943

**WARSAK
DISCHARGE
1988**

m3/s

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	159.2	175.0	111.1	457.0	1546.2	1238.9	1572.4	1295.9	414.5	257.8	166.6	134.3
2	154.9	164.9	129.2	423.8	1665.1	1231.3	1427.4	1282.5	386.2	257.4	168.8	126.0
3	167.0	170.4	119.5	445.0	1423.1	1174.5	1351.9	1196.0	384.4	250.2	164.2	132.3
4	158.8	161.5	120.2	490.3	1319.3	1109.9	1319.9	1128.4	401.3	263.0	158.1	137.8
5	158.0	155.5	127.5	474.7	1272.4	1013.7	1327.2	886.5	376.8	243.8	154.6	119.9
6	151.6	150.5	118.9	503.7	1206.6	919.6	1314.5	743.2	364.0	198.5	155.5	116.6
7	160.3	137.7	125.5	702.4	1016.1	905.7	1245.8	708.8	355.7	218.3	161.0	122.9
8	97.5	157.0	127.9	318.7	899.0	929.5	1086.3	745.2	347.0	215.0	157.9	113.5
9	148.1	165.7	156.0	378.5	829.9	945.2	1004.8	765.6	330.8	207.1	154.6	120.0
10	150.7	171.4	198.4	341.0	812.8	837.3	1064.8	790.6	343.0	210.1	157.6	117.3
11	169.4	154.5	253.4	380.7	817.0	711.6	1076.8	769.1	349.2	201.6	156.4	114.3
12	159.2	150.8	388.2	334.3	833.2	793.3	1128.4	703.5	353.6	202.5	144.7	142.7
13	167.9	145.6	455.2	354.9	974.5	762.7	1213.3	732.9	345.3	185.6	139.7	120.2
14	163.9	149.7	272.3	441.5	1082.2	894.4	1285.7	758.6	362.1	206.9	153.4	129.7
15	173.9	149.5	303.6	505.4	1244.7	903.1	1432.2	864.8	376.3	197.3	143.7	127.2
16	158.3	141.6	336.9	533.4	1257.0	834.3	1391.9	955.3	410.1	191.8	141.6	118.5
17	163.3	152.9	333.9	606.3	1211.6	871.8	1326.2	871.9	396.7	176.3	139.3	122.6
18	167.5	144.0	268.9	788.8	1173.8	957.1	1279.2	723.7	415.4	174.5	149.2	128.0
19	158.6	143.1	240.6	981.4	1226.7	1000.3	1257.5	646.2	366.3	180.5	149.9	133.8
20	150.0	135.1	219.3	943.3	1162.4	1128.5	1212.8	622.2	323.8	170.8	137.9	134.2
21	146.9	140.4	247.6	890.7	1134.1	1193.6	1183.0	607.6	322.3	157.0	137.4	142.3
22	174.4	133.1	247.6	1086.3	1198.5	1254.2	1326.2	606.7	300.6	163.5	129.2	147.5
23	177.4	152.0	247.6	1056.7	1205.8	1278.8	1282.1	640.5	291.5	153.7	130.0	154.6
24	167.4	154.5	247.6	1102.7	1219.6	1339.9	1200.5	620.6	297.1	158.9	118.5	151.6
25	170.2	131.3	292.8	999.0	1235.6	1227.7	1228.2	597.6	294.1	169.5	122.0	149.7
26	174.4	127.0	708.9	996.8	1201.0	1335.4	1047.1	628.7	292.9	168.4	143.4	162.2
27	188.0	128.4	573.1	1085.5	1145.2	1346.4	1031.4	702.5	274.5	160.5	137.1	157.0
28	192.4	122.2	551.9	1087.8	1149.9	1558.8	1062.8	688.1	274.3	148.2	135.4	155.3
29	168.7	120.1	502.3	1336.6	1155.2	1716.3	1092.3	599.1	275.0	163.8	124.0	136.2
30	175.3		483.9	1462.5	1278.0	1742.9	1182.3	497.0	268.3	155.3	130.5	145.3
31	177.2		462.7		1359.3		1269.8	437.6		158.1		147.7

Total =												
Excel Total	5050.4	4285.2			36255.6	33161.8	38254.8	23817.0	10293.0	5965.8	4362.2	4161.6
Ave.	162.9158	147.765	289.4369	717.005	1169.537	1105.392	1234.024	768.2911	343.1007	192.4464	145.4054	134.2442

**WARSAK
DISCHARGE
1989**

m3/s

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	165.0	144.0	124.0	439.1	399.8	1256.0	1053.0	1008.2	374.4	219.0	151.3	150.6
2	165.2	137.2	105.6	437.0	549.1	1421.7	1036.4	841.1	470.3	201.6	148.7	135.1
3	174.6	122.4	102.6	371.5	516.8	1519.3	980.9	855.6	300.3	212.8	153.9	143.2
4	158.1	138.2	107.2	326.4	447.5	1506.5	995.1	731.2	320.9	220.6	161.7	135.1
5	165.4	142.3	107.9	326.6	413.3	1521.2	824.2	733.4	326.2	207.8	154.7	133.9
6	168.6	127.5	104.6	301.0	394.3	1344.1	880.5	678.4	365.9	197.8	152.5	143.3
7	169.4	115.2	106.4	264.4	375.4	1414.0	708.4	586.7	364.2	196.9	148.2	138.0
8	159.7	110.7	96.3	258.6	336.7	1266.7	619.8	535.9	314.9	187.2	151.7	154.4
9	168.6	117.4	129.6	287.2	348.0	1392.7	616.7	519.4	326.8	180.4	148.3	155.0
10	172.8	106.6	133.0	265.5	342.3	1320.7	723.0	516.3	331.6	170.5	151.7	166.3
11	166.8	118.9	118.2	252.7	419.5	1220.5	887.8	525.2	315.6	161.3	152.1	154.8
12	166.2	125.7	123.1	244.7	446.7	1034.7	952.2	513.9	343.8	191.6	154.8	155.1
13	162.9	119.5	113.2	219.6	459.2	1072.9	1078.7	568.6	330.9	203.1	154.5	149.7
14	170.9	114.7	99.1	236.3	495.1	1022.3	1189.8	595.0	347.8	202.1	164.8	152.2
15	169.2	114.1	106.1	223.0	533.0	942.6	1169.9	603.4	331.2	188.3	159.1	122.7
16	165.0	107.8	112.5	251.3	593.6	857.4	1090.9	588.1	337.7	196.4	149.8	149.8
17	161.8	102.4	106.1	266.7	646.2	999.4	1023.8	548.4	335.0	188.2	141.6	150.6
18	136.8	122.6	118.4	284.3	611.8	926.4	1003.8	543.9	349.4	176.8	147.6	150.4
19	144.0	110.0	142.2	292.1	589.2	914.6	974.4	545.6	352.2	195.2	143.8	150.3
20	130.9	101.9	165.6	290.6	621.5	920.3	860.8	550.7	369.4	177.5	160.1	168.9
21	162.3	94.2	192.4	288.0	712.4	888.9	735.0	435.4	401.1	169.3	150.6	164.2
22	163.0	92.2	224.3	297.7	784.0	883.0	708.9	558.6	376.7	163.2	143.9	163.2
23	147.6	95.4	252.9	289.9	878.2	879.2	676.6	568.8	352.1	178.0	143.2	155.0
24	155.5	93.7	171.9	301.9	871.2	885.1	664.9	559.0	370.5	165.3	151.5	157.3
25	144.6	103.2	181.3	326.9	671.0	920.0	697.9	555.0	351.3	156.7	149.4	155.7
26	152.2	93.9	174.2	368.7	615.0	935.9	708.2	561.7	291.1	158.4	149.6	158.4
27	142.4	106.8	220.7	341.0	628.4	1018.5	738.2	573.5	256.4	157.6	153.6	165.4
28	148.6	115.1	189.8	314.8	704.2	1055.6	749.0	572.0	246.2	152.3	154.3	153.8
29	150.3		178.1	356.2	883.8	1078.9	822.9	499.1	227.9	147.4	143.0	147.1
30	128.4		210.0	357.2	1005.4	1108.2	1030.3	440.7	223.5	155.2	142.8	151.3
31	143.2		318.2		1109.0		1183.4	397.4		150.7		159.1

Total =												
Excel Total	4878.9	3198.6	4635.5	9081.0	18401.5	33527.2	27385.3	18310.2	10005.5	5628.8	4532.8	4689.8
Ave.	157.3854	114.234	149.5335	302.7006	593.5952	1117.575	883.3973	590.652	333.5155	181.5746	151.0928	151.2836

C=

m3/s

WARSAK
DISCHARGE1990

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	171.1	193.9	176.8	277.0	493.0	1060.1	1453.9	790.5	582.6	332.7	184.5	152.4
2	165.2	191.3	175.9	243.2	537.5	791.1	1569.8	1145.2	526.2	298.4	181.0	156.9
3	157.5	163.5	167.8	242.5	496.3	687.6	1509.0	1371.9	497.8	303.8	187.9	161.0
4	173.1	171.5	149.4	239.2	602.9	765.8	1548.3	1293.2	505.2	291.1	185.0	155.9
5	164.8	145.2	147.4	236.2	700.3	687.0	1483.9	1318.3	508.7	284.0	184.9	174.5
6	162.6	165.3	149.3	272.3	771.0	660.1	1380.3	1198.3	504.4	261.7	169.4	154.6
7	167.1	173.4	140.0	421.1	922.2	761.0	1346.1	1013.1	498.8	258.5	180.4	150.4
8	171.6	191.4	142.8	401.9	953.9	876.1	1303.4	1097.8	512.9	244.5	175.3	151.9
9	166.1	186.7	133.7	449.7	1054.6	1033.4	1332.5	1150.7	511.2	227.9	169.2	155.5
10	155.7	171.0	159.0	402.1	1229.6	1141.3	1226.0	1042.3	503.8	224.4	177.2	148.2
11	157.2	178.0	174.2	379.5	1417.4	1146.5	1143.8	988.3	502.9	222.5	161.8	153.9
12	153.1	179.0	164.6	376.7	1512.2	1111.7	949.4	974.3	492.6	222.6	165.4	153.3
13	153.5	174.8	146.1	392.4	1525.6	1143.0	951.6	914.5	485.7	214.2	163.0	146.2
14	158.3	172.8	148.0	333.0	1578.1	792.2	888.3	849.5	489.1	220.6	162.6	149.0
15	154.1	182.4	154.3	333.5	1765.6	876.0	846.3	720.4	476.0	199.3	134.0	155.2
16	147.3	170.3	219.9	338.1	2049.4	913.9	793.5	682.3	480.2	210.8	155.5	172.1
17	151.7	158.8	311.8	352.9	2308.5	1014.6	782.6	654.9	479.4	212.3	160.6	174.2
18	157.9	172.7	401.7	386.9	2267.6	1069.8	756.2	647.6	483.2	212.8	150.7	155.1
19	157.3	149.9	386.4	401.9	2034.6	1159.6	709.4	646.7	567.3	220.8	167.9	163.5
20	160.7	160.0	400.8	424.6	1755.8	1150.5	720.7	592.6	490.4	215.2	161.6	150.6
21	156.8	137.2	482.1	438.1	1564.1	1237.1	709.4	658.5	452.5	201.9	158.0	159.7
22	153.2	141.9	434.0	427.4	1315.1	1365.7	757.6	662.7	443.6	214.9	159.8	171.0
23	156.0	141.5	391.8	418.6	1178.6	1636.4	654.9	701.8	450.8	193.3	154.0	161.9
24	154.8	142.5	355.8	430.0	1157.2	1775.5	588.9	657.6	441.8	187.8	154.2	163.6
25	168.6	152.5	317.9	471.6	1226.7	1817.5	628.7	627.4	417.0	189.4	141.9	171.3
26	158.2	171.3	269.8	579.2	1339.7	2082.8	690.1	647.0	401.4	191.9	156.1	172.9
27	170.7	198.3	265.2	569.8	1372.1	2007.9	703.9	619.2	380.7	181.7	156.7	201.8
28	224.7	188.9	260.5	533.6	1424.0	1804.5	706.9	573.2	363.6	197.6	154.5	192.0
29	196.3		231.2	499.4	1442.1	1499.2	756.5	563.0	371.8	185.4	144.0	187.7
30	200.4		266.2	452.9	1336.2	1416.3	719.7	564.4	354.3	183.5	155.9	217.0
31	198.0		284.4		1199.6		734.6	594.1		177.8		186.6

Total =

Excel Total

Ave.

5,144	4,726	7,609	11,725	40,531	35,484	30,351	25,961	14,176	6,983	4,916	5,120
165.9	168.8	245.4	390.8	1,307.5	1,182.8	979.1	837.5	472.5	225.3	163.9	165.2

WARSAK
DISCHARGE1991

m3/s

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	224.5	220.1	191.9	1009.6	1079.6	1317.8	1719.8	1571.2	881.4	514.5	225.1	176.9
2	234.6	206.0	187.7	839.2	1119.6	1393.7	1912.3	1545.1	813.8	467.8	231.8	176.9
3	198.9	198.3	206.6	895.3	1131.8	1517.0	2045.2	1524.9	766.6	383.4	224.7	176.9
4	206.6	228.8	225.1	910.8	954.1	1664.7	1964.2	1454.8	820.4	348.9	212.3	179.7
5	178.0	194.5	253.9	791.3	864.2	1823.2	2024.1	1447.8	761.0	331.6	212.3	205.9
6	181.9	195.6	230.4	707.2	876.8	1903.1	2046.8	1372.8	746.8	335.5	250.5	212.3
7	190.6	208.6	208.5	787.0	921.1	2158.2	2037.0	1264.6	738.3	315.3	210.1	212.3
8	161.1	241.6	238.1	821.2	1372.7	2491.6	1785.2	1272.2	706.1	309.5	198.1	206.6
9	171.2	231.8	228.4	1156.1	1444.1	2758.4	1795.7	1205.5	647.1	330.5	217.9	176.9
10	180.2	243.4	260.0	873.4	1402.8	2816.0	1952.3	1171.6	591.0	296.5	215.1	196.7
11	179.1	244.0	245.4	751.6	1182.3	2850.8	2008.6	929.3	587.9	306.2	176.9	212.3
12	172.8	253.1	249.0	745.1	1079.7	2862.2	2040.0	891.5	593.6	290.2	188.2	212.3
13	174.4	229.5	277.3	1018.7	1085.0	2724.4	2185.4	846.9	577.0	299.5	205.2	212.3
14	183.6	230.1	275.9	1196.0	1265.2	2644.4	2536.1	836.5	576.2	236.4	171.2	212.3
15	199.1	244.1	283.0	1195.3	1647.1	2628.2	2162.3	878.5	598.9	250.7	203.8	212.3
16	172.2	238.6	270.3	1129.1	1679.3	2864.9	1864.9	874.0	582.7	275.4	189.6	212.3
17	173.6	206.5	247.6	1077.7	1734.3	2769.6	1851.8	957.8	557.2	261.7	196.7	212.3
18	231.4	196.7	281.9	901.3	1729.5	2778.2	1793.9	1022.8	545.9	281.6	191.0	212.3
19	181.3	210.2	468.6	815.1	1585.3	2640.6	1931.5	1073.7	475.2	285.3	212.3	209.4
20	179.5	220.6	417.3	796.5	1851.5	2451.3	1912.8	1082.4	446.9	328.0	212.3	191.0
21	189.6	203.6	401.7	797.0	2045.8	2026.6	2008.8	1106.2	377.8	283.0	212.3	212.3
22	176.7	187.7	463.4	886.7	2009.2	1780.4	1987.4	1072.0	347.7	249.6	212.3	212.3
23	178.9	215.2	595.2	903.8	1762.4	1616.6	1858.1	1062.7	316.5	247.0	179.7	181.1
24	170.6	196.3	587.4	876.3	1693.8	1408.2	1730.0	954.6	350.4	271.5	176.9	200.9
25	168.5	185.9	592.2	906.2	1944.4	1418.7	1697.4	900.8	307.3	227.9	184.0	212.3
26	186.1	189.6	571.7	984.2	2089.5	1459.5	1673.8	836.7	295.2	212.3	176.9	212.3
27	201.0	209.9	578.0	1027.2	1923.2	1474.3	1581.6	773.2	283.8	212.3	176.9	212.3
28	190.3	208.1	560.3	1009.4	1688.9	1593.5	1552.0	759.0	345.4	212.3	176.9	212.3
29	217.5		568.1	1028.4	1446.8	1599.2	1502.7	762.2	544.2	224.3	176.9	212.3
30	212.5		674.7	986.4	1384.3	1607.2	1496.6	852.0	557.3	212.3	176.9	212.3
31	203.3		816.5		1331.8		1612.9	832.6		212.3		212.3

Total =

Excel Total

Ave.

5,870	6,039	11,656	27,823	45,326	62,872	58,271	33,136	16,740	9,013	5,994	6,312
189.3	215.7	376.0	927.4	1,462.1	2,095.7	1,879.7	1,068.9	558.0	290.7	199.8	203.6

**WARSAK
DISCHARGE
1992**

m3/s Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	212.3	191.0	192.4	316.0	1794.5	1277.5	2272.2	1867.2	870.8	325.7	281.2	196.5
2	184.7	197.0	189.5	316.0	1614.9	1253.4	2170.3	1835.3	912.3	378.0	276.8	220.2
3	225.3	198.1	162.4	313.8	1521.7	1375.5	2151.9	1838.5	964.2	349.5	263.0	198.5
4	212.7	192.4	172.8	340.7	1555.7	1329.4	2166.9	1865.8	863.5	387.9	286.2	198.6
5	176.9	176.9	167.0	327.3	1409.3	1394.7	2072.6	1764.3	861.5	333.4	285.4	207.9
6	176.9	176.9	161.5	342.9	1250.4	1541.4	1871.6	1740.0	801.3	322.4	250.6	206.3
7	202.3	209.5	171.9	329.4	1244.9	1780.8	1813.1	1653.0	722.8	302.5	263.9	218.1
8	186.8	220.9	200.9	363.1	1169.5	1901.9	1955.3	1625.3	607.1	311.1	285.9	205.7
9	165.6	212.3	179.4	328.5	1145.0	1998.9	2062.2	1540.9	557.3	311.1	288.2	183.3
10	171.2	208.0	191.9	345.8	1159.2	2059.0	2355.5	1352.5	656.3	302.6	266.8	191.0
11	176.9	176.9	196.8	360.4	1187.0	2100.5	2368.6	1143.3	698.5	288.5	285.3	217.6
12	176.9	206.6	196.2	317.5	1296.8	2185.5	2343.3	1085.6	531.8	292.9	258.3	227.3
13	209.0	212.3	240.6	341.2	1482.6	2171.8	2274.7	1068.0	503.8	289.4	240.5	196.9
14	234.6	195.3	252.7	335.5	1742.3	2072.4	2257.6	1083.4	471.9	283.6	241.5	183.7
15	225.6	209.4	246.4	334.8	1944.6	2106.6	2322.6	1163.1	452.5	283.0	238.5	179.7
16	189.6	176.9	213.1	365.2	1974.2	2058.5	2298.4	1258.4	438.4	321.8	239.4	183.8
17	194.6	176.9	210.9	416.2	1943.8	2048.4	2204.0	1355.9	376.6	298.5	237.4	202.1
18	186.1	176.9	198.8	650.1	1734.4	2069.6	2074.3	1540.8	381.8	267.7	239.0	208.5
19	176.9	154.9	206.3	717.4	1493.3	2130.2	2082.8	1535.2	350.1	383.0	245.3	212.5
20	176.9	176.9	253.4	721.4	1309.8	2172.4	2198.7	1350.2	345.5	359.2	249.7	218.9
21	168.4	176.9	263.0	1143.5	1142.8	2208.8	2383.2	1168.0	353.1	331.2	264.0	220.5
22	159.2	169.1	265.5	1439.2	1168.7	2416.2	2563.6	1148.5	347.8	302.4	238.1	225.4
23	159.2	138.7	261.9	1093.7	1268.4	2465.9	2539.4	1051.4	340.7	286.6	187.7	210.8
24	188.2	142.2	274.7	885.0	1372.4	2285.8	2514.5	952.4	332.2	284.8	190.4	194.3
25	209.4	167.7	342.6	874.2	1468.8	2114.1	2356.1	897.9	329.4	304.9	192.9	194.1
26	224.3	184.6	405.5	979.1	1565.0	2043.1	2268.9	816.9	320.5	298.5	210.6	204.8
27	217.2	183.0	495.7	1071.9	1543.3	1991.4	2051.8	876.8	327.1	279.3	216.9	200.7
28	205.2	159.5	431.6	1345.3	1565.0	1909.6	2004.8	862.9	348.0	286.7	207.0	201.0
29	199.5	184.5	385.3	1591.9	1527.0	2021.7	1952.9	862.1	346.4	278.2	211.4	155.0
30	224.0		382.2	1680.3	1582.1	2269.6	1975.1	826.0	330.1	268.3	208.6	191.6
31	217.5		323.0		1431.7		1971.5	753.1		288.3		196.7

Total =												
Excel Total	6,031	5,352	7,839	20,017	45,609	58,755	67,899	39,883	15,746	9,601	7,350	6,252
Ave.	194.6	184.6	252.9	667.2	1,471.3	1,958.5	2,190.3	1,286.5	524.9	309.7	245.0	201.7

**WARSAK
DISCHARGE
1993**

m3/s Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	258.0	203.8	156.6	211.4	1318.1	1212.9	956.6	671.0	587.6	287.7	173.0	233.5
2	235.6	218.5	161.0	220.8	1332.0	1224.8	907.7	691.1	627.5	279.9	186.3	219.0
3	211.4	220.4	158.1	223.8	1176.7	1082.3	1083.1	792.7	655.3	282.0	160.6	202.7
4	205.9	200.4	208.7	259.6	1189.8	1051.7	1110.9	862.9	670.7	258.3	113.7	208.5
5	228.5	201.3	185.5	252.5	1462.2	1133.5	1296.8	868.3	609.8	249.9	145.4	202.3
6	225.7	200.4	156.8	254.6	1110.9	1121.0	1324.7	813.6	572.0	249.8	150.2	200.5
7	213.7	182.8	154.5	240.3	1236.9	1123.6	1429.3	754.2	595.5	259.6	246.6	197.8
8	214.5	170.6	153.1	276.0	1348.4	1220.5	1552.7	761.1	592.8	272.2	175.2	255.5
9	233.6	179.2	159.6	328.5	1337.9	1351.8	1730.7	695.1	561.4	281.1	159.7	203.7
10	297.0	181.8	268.4	360.5	1104.7	1453.5	1730.6	679.3	566.1	285.7	169.5	247.9
11	259.4	173.0	708.0	357.2	903.4	1548.2	1598.9	696.5	567.8	264.2	147.0	203.1
12	230.3	187.8	499.0	391.2	754.3	1591.5	1274.4	719.1	593.5	280.7	154.2	198.9
13	295.6	178.2	440.6	403.0	640.1	1625.8	1010.5	705.9	574.6	279.6	148.6	179.0
14	273.2	169.9	399.3	471.6	695.7	1616.6	1030.2	676.0	496.9	231.2	150.7	216.5
15	277.3	163.1	397.7	729.4	703.4	1695.7	1006.1	619.4	455.6	213.9	146.5	176.5
16	278.9	168.6	392.9	859.1	732.1	1505.0	1087.0	621.3	433.8	175.5	142.9	211.1
17	289.4	188.0	358.4	828.4	777.5	1383.8	1107.6	587.4	433.9	192.0	149.2	233.9
18	287.4	192.6	339.8	809.0	711.5	1233.5	1096.4	592.1	421.3	173.2	144.2	226.5
19	263.0	178.4	315.5	702.9	751.1	1199.4	1116.1	587.5	404.3	179.7	147.7	220.5
20	187.3	171.2	302.1	743.0	752.1	1247.7	1130.6	622.3	387.8	185.3	149.8	213.7
21	161.4	159.6	280.2	722.2	887.3	1275.2	1241.1	577.5	377.4	171.6	139.1	184.0
22	180.8	147.5	323.9	748.6	1019.1	1399.7	1291.3	552.2	374.7	164.3	144.7	137.4
23	199.9	144.7	349.1	757.7	1064.9	1618.4	1414.9	553.0	378.3	163.0	147.6	136.7
24	188.2	160.8	320.6	808.2	1137.4	1524.1	1328.8	516.5	375.3	143.8	143.3	194.2
25	186.2	166.0	285.3	944.2	1221.8	1348.1	1211.9	526.1	372.1	154.1	123.7	241.1
26	189.1	161.6	285.3	1047.8	1382.1	1397.9	1069.7	553.0	376.1	176.9	135.6	235.3
27	182.5	162.2	281.9	1145.9	1481.6	1046.1	852.5	553.7	343.1	189.5	142.9	243.4
28	208.4	150.6	277.2	1278.1	1514.3	1041.6	700.1	549.3	319.8	190.4	185.7	252.5
29	222.0		257.6	1481.4	1409.3	1023.2	612.1	568.7	311.9	190.4	194.5	188.6
30	212.1		244.2	1394.5	1524.6	1321.7	624.3	572.8	290.8	160.2	226.4	159.8
31	221.0		227.4		1354.9		639.9	574.1		145.3		189.3

Total =												
Excel Total	7,118	4,986	9,048	19,251	34,036	39,619	35,568	20,114	14,328	6,731	4,744	6,413
Ave.	229.6	178.1	291.9	641.7	1,097.9	1,320.6	1,147.3	648.8	477.6	217.1	158.1	206.9

**WARSAK
DISCHARGE
1994**

m3/s Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	272.2	169.2	136.7	326.7	781.1	1131.1	1973.2	1240.2	749.4	210.6	256.2	200.2
2	240.7	162.9	139.9	310.1	697.6	1138.0	2054.1	1289.2	738.7	207.3	233.9	195.3
3	170.7	169.5	147.2	308.2	732.8	1174.0	2265.2	1322.5	761.9	204.7	224.6	171.2
4	143.2	168.0	151.5	348.2	876.2	1186.4	2222.1	1329.7	730.3	201.9	231.8	174.0
5	147.8	168.0	157.9	395.0	879.3	1195.4	2218.8	1339.9	691.9	200.4	223.9	141.5
6	131.9	170.2	149.6	605.5	849.1	1302.1	2116.2	1338.0	572.1	212.3	219.1	141.5
7	137.4	174.0	153.0	524.9	907.2	1547.5	2075.7	1312.5	544.8	230.4	224.4	141.5
8	138.7	160.1	145.2	425.2	937.6	1672.1	2008.5	1274.5	476.9	218.7	217.3	141.5
9	142.5	145.6	151.3	401.3	971.3	1658.7	1943.6	1243.4	476.9	203.1	208.1	141.5
10	134.0	169.2	155.1	351.9	820.8	1599.6	1984.0	1305.1	449.1	188.7	209.5	141.5
11	114.1	160.5	145.1	303.0	596.0	1426.0	2077.8	1272.1	407.3	212.9	210.8	141.5
12	139.7	154.3	173.0	372.9	655.2	1168.6	1991.6	1118.1	403.2	240.9	219.1	141.5
13	163.9	142.9	155.4	363.4	831.4	1138.6	1891.4	984.1	350.7	269.0	216.4	142.9
14	143.7	166.7	183.4	348.9	938.6	983.9	1926.6	962.8	320.2	228.9	217.7	139.0
15	165.9	159.6	158.0	325.2	985.1	1086.7	1737.0	966.2	338.9	229.0	216.9	141.5
16	171.3	155.8	176.8	349.1	875.5	969.6	1405.6	973.3	335.5	207.7	191.2	148.6
17	166.4	144.6	191.4	286.2	770.6	1059.5	1308.7	957.4	328.8	214.9	222.2	154.0
18	165.1	136.6	257.0	347.1	881.0	1165.1	1347.8	908.2	336.3	209.7	202.5	141.5
19	167.8	148.3	280.5	344.2	968.7	1151.4	1413.1	900.9	317.4	211.4	212.3	134.4
20	163.9	169.7	312.2	353.4	1106.6	1248.8	1436.6	848.7	289.3	204.4	212.3	156.6
21	162.5	176.3	337.9	391.4	1130.3	1444.1	1402.3	815.8	273.2	194.1	212.3	180.6
22	170.1	157.1	281.6	400.7	1151.5	1734.4	1361.9	864.4	275.4	211.8	214.8	155.3
23	166.3	155.4	282.9	404.2	1272.4	1963.1	1370.0	863.7	291.3	191.3	206.6	163.2
24	169.5	150.3	236.4	410.0	1275.1	2064.8	1379.6	886.0	282.7	193.5	176.9	167.8
25	166.2	153.4	245.5	421.3	1105.8	2184.0	1357.3	919.8	269.9	212.9	176.9	160.9
26	162.8	148.9	279.6	415.6	1025.0	2119.2	1213.5	935.1	244.7	247.2	176.9	160.2
27	169.7	151.2	259.7	479.4	1033.6	1978.7	1174.1	884.5	231.6	335.1	202.3	166.0
28	185.2	144.0	251.1	492.8	1042.8	1936.5	1192.1	869.0	238.5	330.1	190.3	177.0
29	187.4		247.3	580.3	1061.3	1899.9	1235.7	846.7	214.0	279.7	189.6	162.8
30	178.0		253.5	733.9	1187.7	1875.2	1275.5	762.6	212.3	262.0	199.5	172.0
31	171.9		312.5		1151.4		1176.8	766.8		260.4		151.5
Total =												
Excel Total	5,110	4,432	6,508	12,120	29,499	44,203	51,537	32,301	12,166	7,025	6,316	4,867
Ave.	164.9	158.3	209.9	404.0	951.6	1,473.4	1,662.5	1,042.0	405.5	226.6	210.5	157.0

**WARSAK
DISCHARGE
1995**

m3/s Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	191.0	146.0	163.2	333.7	1134.5	829.4	1659.9	1145.1	618.5	274.7	184.3	177.5
2	187.2	171.2	154.2	320.0	972.1	1193.4	1711.7	1064.1	564.6	248.3	212.3	146.9
3	189.8	154.3	137.7	236.3	856.2	1251.2	1675.7	1076.5	519.0	235.6	203.8	154.9
4	193.5	158.9	140.4	235.6	864.1	983.5	1549.0	1328.7	457.9	230.1	212.3	151.5
5	189.1	161.6	141.5	187.6	869.8	1027.5	1850.7	1436.3	428.3	221.8	206.6	153.1
6	176.4	165.8	133.3	205.5	919.7	1034.8	1840.9	1194.9	396.0	227.2	212.3	155.2
7	161.2	151.7	146.5	255.1	646.2	1219.8	1550.8	1180.5	378.2	239.5	212.3	152.3
8	161.3	141.3	272.2	343.5	760.4	1401.4	1761.3	1166.0	366.3	231.4	212.3	156.2
9	161.5	146.9	175.9	332.0	1265.7	1533.8	1867.0	1152.7	356.5	220.6	212.3	158.0
10	146.7	141.6	224.4	463.3	1142.5	1849.8	1893.0	1125.5	374.3	225.9	215.8	145.1
11	183.8	150.6	173.5	405.0	1490.2	1646.8	1817.6	1065.7	353.6	222.9	213.7	163.3
12	182.9	144.3	145.9	351.5	1528.4	1718.5	1963.3	1090.0	357.6	224.0	212.3	153.0
13	160.4	149.8	143.7	295.8	1430.8	1585.2	1839.5	1116.0	342.1	203.5	216.5	154.9
14	161.6	151.5	133.9	312.9	1280.9	1759.4	1767.0	1100.4	336.5	207.8	212.3	163.2
15	171.9	146.5	90.9	479.3	1221.1	2133.4	1761.1	1080.6	328.2	212.0	212.3	171.9
16	175.0	151.2	110.5	392.7	1258.0	2161.1	1637.7	1071.3	308.8	220.4	212.3	155.4
17	167.1	133.0	94.7	414.2	1143.5	2137.9	1532.4	1089.4	307.6	302.6	212.3	153.9
18	163.0	120.5	92.9	765.8	1001.8	2153.0	1590.3	1110.7	290.6	289.6	162.7	151.8
19	196.1	136.0	90.1	967.5	1113.9	2102.3	1788.3	1111.3	278.7	254.1	168.0	145.5
20	167.1	151.5	134.8	1005.4	1112.9	1987.0	1764.3	1064.7	273.4	239.2	176.0	146.9
21	162.5	152.6	150.6	799.5	906.4	1830.4	1724.8	921.5	266.5	221.1	148.1	153.1
22	180.8	135.3	141.4	900.9	949.0	1614.8	1786.4	892.5	270.5	219.0	153.5	146.8
23	154.2	136.9	149.7	772.3	760.8	1726.0	1773.1	821.2	272.6	210.2	150.0	152.3
24	157.0	146.4	193.9	785.0	660.7	1368.3	1774.2	836.3	288.4	211.6	131.2	155.0
25	161.8	151.5	556.7	777.3	846.5	1418.6	1853.3	823.9	312.2	204.6	116.7	148.0
26	169.6	140.5	465.7	625.8	857.2	1394.4	1861.4	804.9	292.1	194.0	118.5	152.3
27	151.9	130.6	387.3	660.7	738.9	1491.9	1716.8	812.4	285.3	191.4	109.3	149.6
28	152.0	151.9	373.6	819.4	660.2	1490.9	1495.7	782.4	287.5	187.4	123.6	156.6
29	145.4		547.5	860.1	706.4	1404.4	1328.7	720.0	279.2	92.4	154.8	137.5
30	134.7		426.7	796.2	557.7	1497.8	1281.6	711.6	312.0	185.2	159.2	159.3
31	144.2		367.4		529.2		1244.5	646.6		187.1		149.6
Total =												
Excel Total	5,201	4,120	6,661	16,100	30,186	46,946	52,662	31,535	10,503	6,835	5,447	4,750
Ave.	167.8	147.1	214.9	536.7	973.7	1,564.9	1,698.8	1,017.3	350.1	220.5	181.6	153.2



HY5.
FLOOD



Table : Maximum, Instantaneous and Minimum Annual Discharge (m³/sec) Recorded at Kalam, Chakdara and Nowshera Stations

Year	Kalam			Chakdara			Nowshera		
	Peak m ³ /sec	Inst. m ³ /sec	Min m ³ /sec	Peak m ³ /sec	Inst. m ³ /sec	Min m ³ /sec	Peak m ³ /sec	Inst. m ³ /sec	Min m ³ /sec
1961	297	314	11	676	745	32	3,000	3,143	137
1962	374	405	14	917	944	29	3,170	3,256	142
1963	376	473	11	580	609	20	3,849	4,078	140
1964	425	521	12	722	946	31	3,622	3,851	170
1965	419	464	10	719	810	29	6,169	6,315	179
1966	405	425	12	705	1,002	29	4,528	4,587	179
1967	391	422	8	750	900	26	4,585	5,040	163
1968	419	439	12	750	926	30	4,019	4,049	187
1969	427	456	12	773	985	34	2,943	3,030	181
1970	328	371	12	572	674	29	1,922	1,982	142
1971	328	351	12	490	572	23	2,171	2,322	145
1972	425	473	10	676	818	26	3,879	3,936	133
1973	368	388	10	574	612	34	3,426	3,625	190
1974	281	337	12	504	583	30	2,244	2,543	38
1975	456	464	11	863	906	26	4,613	4,842	74
1976	376	394	13	580	685	31	3,113	3,578	199
1977	320	343	12	730	1,209	31	2,683	2,973	197
1978	461	597	10	790	943	33	4,670	4,757	156
1979	396	470	10	566	612	29	2,973	2,973	136
1980	351	394	11	617	1,283	31	2,533	2,973	134
1981	376	408	14	702	898	29	3,085	3,341	173
1982	212	233	12	433	643	28	2,159	2,217	98
1983	351	368	12	498	883	36	2,739	2,917	99
1984	342	413	12	611	951	32	3,141	3,228	159
1985	265	309	13	719	1,331	24	2,434	2,860	98
1986	430	430	11	659	660	27	3,056	3,058	154
1987	342	343	14	679	680	21	2,649	2,650	169
1988	376	377	14	1,602	1,603	28	3,453	3,455	31
1989	329	328	12	744	745	32	2,478	2,464	122
1990	422	422	13	779	779	39	3,306	3,313	191

HY6.
SEDIMENT

Chakdara



Sediment Volume (Chakdara) (1/10)

1963										1964										1965									
month	day	Q	PPM	Tons/Day	month	day	Q	PPM	Tons/Day	month	day	Q	PPM	Tons/Day	month	day	Q	PPM	Tons/Day	month	day	Q	PPM	Tons/Day	month	day	Q	PPM	Tons/Day
1	28	999	22	59.3	1	13	1,510	31	126.4	7	14	30,500	1,280	105,408.0	1	1	1,240	62	208.0										
3	26	2,720	27	198.3	1	23	1,280	47	162.4	7	20	7,600	126	2,586.0	1	4	1,230	25	83.0										
4	1	3,680	43	427.2	2	2	1,230	29	96.3	7	23	8,640	303	7,068.0	1	7	1,160	46	144.0										
4	21	5,460	50	737.1	2	9	1,330	30	107.7	7	25	14,700	274	10,875.0	1	8	1,110	60	180.0										
5	25	8,890	137	3,288.4	2	28	1,470	12	47.6	7	27	20,000	672	36,288.0	1	11	1,130	54	165.0										
5	29	10,800	199	5,802.8	3	5	2,000	95	513.0	7	31	10,900	169	4,974.0	1	14	1,130	28	85.4										
6	8	13,500	611	22,271.0	3	7	1,780	38	149.0	8	6	10,100	129	3,518.0	1	15	1,090	66	124.0										
7	13	17,300	1,210	56,519.0	3	9	1,700	38	174.4	8	8	11,500	186	5,775.0	1	18	1,440	16	62.2										
7	22	14,000	395	14,931.0	3	11	3,180	102	875.8	8	10	16,400	326	14,435.0	1	20	2,500	66	446.0										
8	14	9,540	89	2,292.5	3	15	2,780	35	262.7	8	13	10,700	156	4,507.0	1	23	1,620	45	197.0										
8	25	7,100	73	1,399.4	3	17	2,800	23	173.9	8	18	16,400	244	10,804.0	1	26	1,380	20	74.5										
9	14	4,290	32	370.7	3	20	3,750	64	648.0	8	21	12,400	130	4,352.0	1	27	1,340	130	470.0										
9	12	3,090	17	141.8	3	25	4,740	166	2,124.5	8	25	10,200	225	6,197.0	1	28	1,330	64	230.0										
9	29	2,790	20	150.7	3	28	3,280	132	1,169.0	8	27	8,600	176	4,087.0	1	30	1,360	38	140.0										
10	22	1,650	197	877.6	3	31	3,840	55	570.2	8	29	8,320	73	1,640.0	2	2	1,360	23	84.5										
11	6	4,520	81	988.5	4	3	6,430	196	3,403.0	9	1	8,000	389	8,402.0	2	6	2,720	50	367.0										
11	21	1,640	51	225.8	4	7	4,360	47	553.3	9	3	7,080	410	7,838.0	2	7	2,390	53	342.0										
11	28	1,280	25	86.4	4	12	7,650	132	2,726.0	9	8	6,060	126	2,066.0	2	10	1,790	13	62.8										
12	9	1,140	16	49.2	4	14	6,830	66	1,217.0	9	10	5,820	117	1,839.0	2	12	2,960	133	1,060.0										
12	11	1,070	24	69.3	4	16	12,500	67	2,261.0	9	17	7,760	141	2,954.0	2	14	2,120	43	246.0										
12	14	1,600	88	380.2	4	18	6,200	42	703.1	9	20	6,030	170	2,768.0	2	17	2,080	83	466.0										
12	18	1,230	14	46.5	5	5	6,520	35	616.1	9	22	4,420	93	1,110.0	2	19	2,000	44	238.0										
					5	7	7,720	88	1,834.0	9	24	3,740	100	1,010.0	2	21	1,880	90	457.0										
					5	8	8,360	140	3,160.0						2	23	1,790	60	290.0										
					5	10	8,760	97	2,294.0						2	25	1,650	112	499.0										
					5	12	9,950	116	3,116.0						2	27	1,940	14	73.3										
					5	14	11,800	158	5,034.0						3	1	1,740	17	72.9										
					5	16	9,450	61	1,556.0						3	6	1,880	47	239.0										
					5	18	11,000	149	4,425.0						3	9	2,500	66	446.0										
					5	22	7,320	30	592.9						3	11	2,080	25	140.0										
					5	23	5,890	70	1,113.0						3	13	2,080	52	292.0										
					5	26	6,100	120	1,776.0						3	15	2,280	73	449.0										
					5	29	7,640	123	2,537.0						3	16	3,500	51	482.0										
					5	31	8,760	311	7,356.0						3	19	8,250	725	16,100.0										
					6	2	8,080	105	2,291.0						3	21	3,560	55	529.0										
					6	4	7,760	224	4,693.0						3	23	3,300	22	196.0										
					6	16	14,200	253	9,700.0						3	24	2,500	36	243.0										
					7	2	22,800	259	15,944.0						3	25	3,090	58	481.0										
					7	3	20,400	473	26,053.0						3	27	2,840	52	309.0										
					7	12	21,000	94	5,330.0						3	31	3,220	23	200.0										

Sediment Volume (Chakdara) (2/10)

1965				1966										
month	day	Q	PPM	Tons/Day	month	day	Q	PPM	Tons/Day	month	day	Q	PPM	Tons/Day
4	2	6,440	35	609.0	8	21	9,350	58	1,460.0	1	3	1,270	72	247.0
4	5	4,980	103	1,380.0	8	22	13,500	2,847	10,400.0	1	6	1,240	187	626.0
4	7	7,000	109	2,060.0	8	24	14,800	357	14,300.0	1	10	1,200	127	411.0
4	9	6,030	53	863.0	8	26	9,800	8	212.0	1	14	1,180	21	66.9
4	11	5,500	20	297.0	8	27	8,600	16	372.0	1	17	1,160	71	222.0
4	15	7,120	264	5,080.0	9	3	5,470	55	812.0	1	20	1,130	75	229.0
4	17	8,070	65	1,420.0	9	7	5,470	50	738.0	1	24	1,130	75	229.0
4	20	13,700	160	5,920.0	9	9	5,730	19	297.0	1	27	1,080	75	219.0
4	22	10,200	56	1,540.0	9	11	4,690	15	190.0	1	31	1,020	80	220.0
4	24	19,000	295	15,100.0	9	13	4,470	21	253.0	2	2	1,010	94	256.0
4	26	9,600	35	907.0	10	4	3,010	21	171.0	2	4	1,030	81	225.0
4	28	8,520	88	2,020.0	10	7	2,810	26	197.0	2	8	2,200	84	499.0
4	30	8,030	199	4,310.0	10	9	2,710	23	168.0	2	11	1,410	167	636.0
5	3	8,700	86	2,020.0	10	24	2,000	33	178.0	2	23	1,730	35	163.0
5	4	10,100	113	3,080.0	10	27	1,900	27	139.0	2	26	2,140	181	1,050.0
5	7	15,900	203	8,710.0	10	30	1,900	21	108.0	3	1	1,860	40	201.0
5	9	12,800	86	2,970.0	11	2	1,750	2	9.5	3	4	1,880	102	518.0
5	11	12,500	54	1,820.0	11	6	1,820	28	128.0	3	7	2,180	46	271.0
5	13	12,000	35	1,130.0	11	10	1,690	91	415.0	3	10	1,920	24	124.0
5	15	13,800	46	1,710.0	11	13	1,920	171	886.0	3	13	2,410	16	104.0
5	17	12,200	114	3,760.0	11	14	2,760	150	1,120.0	3	16	2,840	20	153.0
5	20	21,200	17	973.0	11	17	1,820	20	98.3	3	19	5,310	60	860.0
5	31	15,600	1,360	57,300.0	11	18	1,750	31	146.0	3	20	3,410	16	147.0
6	9	14,100	214	8,150.0	11	21	1,710	15	69.3	3	23	3,480	15	141.0
6	14	25,400	573	39,300.0	11	23	1,610	16	69.6	3	26	8,350	694	15,600.0
6	24	21,100	200	11,400.0	11	26	1,620	26	114.0	3	29	5,590	5	75.5
7	7	14,400	147	5,720.0	11	30	1,500	30	122.0	4	1	4,330	28	327.0
7	10	15,200	127	5,210.0	12	2	1,440	57	222.0	4	5	4,810	33	429.0
7	13	19,200	176	9,120.0	12	7	1,340	29	105.0	4	8	6,150	25	415.0
7	25	19,900	66	3,550.0	12	11	1,300	61	214.0	4	11	5,510	31	461.0
7	27	24,600	1,430	95,000.0	12	12	1,300	43	151.0	4	17	13,100	188	6,650.0
7	29	15,300	232	2,580.0	12	18	1,280	42	767.0	4	20	9,000	65	1,580.0
8	2	13,700	55	2,030.0	12	20	1,270	151	518.0	4	24	8,250	123	2,740.0
8	4	11,500	65	2,020.0	12	24	1,960	52	275.0	4	27	13,200	146	5,200.0
8	6	10,100	71	1,940.0	12	27	1,370	112	414.0	4	28	16,300	561	24,700.0
8	8	9,850	17	452.0	12	30	1,310	114	403.0	5	3	7,510	169	3,430.0
8	12	9,700	41	1,070.0						5	6	12,000	129	4,050.0
8	14	8,500	55	1,260.0						5	9	13,600	175	6,430.0
8	16	7,850	103	2,180.0						5	12	8,450	65	1,480.0
8	18	8,100	12	262.0						5	15	7,150	27	521.0

Sediment Volume (Chakdara) (3/10)

1967			1968			1969								
month	day	Q	PPM	Tons/Day	month	day	Q	PPM	Tons/Day	month	day	Q	PPM	Tons/Day
1	20	1,100	63	187.0	1	13	1,410	64	244.0	1	3	1,410	11	41.9
2	10	1,230	43	143.0	3	24	2,580	40	279.0	1	7	1,380	43	160.0
2	20	7,290	75	1,480.0	4	13	1,980	57	305.0	1	13	1,350	155	565.0
3	9	1,820	52	256.0	5	15	7,750	71	1,490.0	1	14	2,070	48	268.0
3	29	3,010	37	301.0	6	11	20,400	146	8,940.0	2	8	1,450	41	161.0
4	26	10,900	30	883.0	7	8	23,100	138	8,610.0	2	10	1,450	21	82.2
6	9	16,500	208	9,270.0	7	15	19,800	121	6,470.0	2	13	1,510	58	236.0
7	8	22,300	355	21,400.0	7	29	21,300	1,700	97,800.0	2	17	2,790	111	836.0
7	26	16,200	130	5,690.0	8	8	14,100	44	1,680.0	3	16	4,730	229	2,920.0
7	29	15,600	188	7,920.0	8	17	13,200	76	2,710.0	3	21	5,590	101	1,520.0
8	30	5,990	27	437.0	8	28	5,630	47	714.0	3	23	5,040	82	1,120.0
9	8	5,820	38	1,380.0	9	7	3,940	60	638.0	3	26	12,700	151	5,180.0
9	23	3,640	73	717.0	9	19	4,110	146	1,620.0	4	4	5,040	117	1,590.0
10	12	2,430	153	1,000.0	9	30	2,580	16	111.0	4	9	4,330	157	1,840.0
10	30	2,300	131	814.0	10	15	2,230	20	120.0	4	14	7,900	122	2,600.0
11	23	1,510	40	163.0	10	24	1,840	15	74.5	4	17	9,400	268	6,800.0
12	21	1,340	6	21.7	10	26	1,730	44	206.0	4	25	5,430	24	352.0
					10	30	2,950	129	1,030.0	4	28	7,510	55	1,120.0
					11	2	2,560	16	111.0	5	8	10,200	196	5,400.0
					11	13	1,780	16	76.9	5	9	15,200	78	3,200.0
					11	15	1,660	4	17.9	5	12	10,600	84	2,400.0
					11	17	1,580	21	89.6	5	17	7,560	110	2,250.0
					11	23	1,480	5	20.0	5	19	8,050	177	3,850.0
					11	27	1,350	13	47.4	5	21	8,250	128	2,850.0
					11	30	1,300	4	14.0	5	26	11,800	150	4,780.0
					12	4	1,340	5	18.1	6	5	14,400	154	5,990.0
					12	11	7,380	250	4,980.0	6	13	16,700	195	8,790.0
					12	13	2,930	32	253.0	6	18	20,100	994	53,900.0
					12	30	1,480	37	140.0	6	19	19,800	564	30,200.0
										6	30	15,900	255	10,900.0
										7	3	20,100	221	12,000.0
										7	5	22,000	150	8,910.0
										7	8	17,300	147	6,870.0
										7	9	24,100	222	14,400.0
										7	10	21,500	167	9,690.0
										7	11	19,800	124	6,630.0
										7	12	17,500	201	9,500.0
										7	19	20,700	129	7,210.0
										7	20	25,200	195	13,300.0
										7	23	26,000	179	12,600.0

Sediment Volume (Chakdara) (4/10)

1970				1971				1972						
month	day	Q	PPM	Tons/Day	month	day	Q	PPM	Tons/Day	month	day	Q	PPM	Tons/Day
1	2	1,270	27	92.6	10	27	1,960	16	84.7	1	13	1,000	45	122.0
1	5	1,260	27	91.9	11	6	1,680	54	245.0	2	22	900	12	29.2
1	13	1,280	40	138.0	11	14	1,440	21	81.6	3	22	1,550	173	724.0
1	18	1,280	39	135.0	11	19	1,400	17	64.3	4	6	6,620	128	2,290.0
1	29	1,280	34	118.0	11	22	1,330	13	46.7	5	11	12,000	103	3,340.0
2	23	1,270	43	147.0	12	13	1,130	76	232.0	6	20	14,500	152	5,950.0
3	3	1,470	38	151.0	12	25	1,150	50	155.0	7	15	10,700	93	2,690.0
3	28	4,080	102	1,120.0						7	18	10,100	30	818.0
4	9	4,580	173	2,140.0						7	22	7,620	20	411.0
4	13	5,900	175	2,790.0						8	27	6,620	21	375.0
4	16	7,510	141	2,860.0						8	8	7,940	31	665.0
4	19	4,260	170	1,960.0						9	13	3,610	30	292.0
4	21	4,550	112	1,380.0						9	24	2,370	25	160.0
4	28	7,110	149	2,860.0						9	29	2,290	20	124.0
5	8	5,390	65	946.0						10	26	1,490	30	121.0
5	21	16,000	320	13,800.0						11	30	10,470	15	42.1
5	26	3,190	61	525.0						12	6	1,010	10	27.3
5	27	7,560	127	2,590.0										
5	28	9,250	130	3,250.0										
6	6	12,100	79	2,580.0										
6	9	12,100	38	1,240.0										
6	24	11,600	101	3,160.0										
6	27	19,200	63	3,270.0										
7	6	12,800	86	2,970.0										
7	14	7,750	94	1,970.0										
7	21	7,850	191	4,050.0										
7	31	8,850	95	2,270.0										
8	1	9,100	147	3,610.0										
8	7	8,850	83	1,980.0										
8	19	7,600	111	2,280.0										
8	24	8,200	348	7,700.0										
8	25	8,650	159	3,710.0										
8	28	10,900	344	1,011.0										
9	1	21,100	7,130	406,000.0										
9	10	8,200	93	2,060.0										
9	22	3,940	54	574.0										
9	23	3,840	110	1,140.0										
10	7	4,150	276	3,090.0										
10	9	2,870	67	519.0										
10	17	2,370	21	134.0										

Sediment Volume (Chakdara) (5/10)

1973			1974			1975			1976					
month	day	Q	PPM	Tons/Day	month	day	Q	PPM	Tons/Day	month	day	Q	PPM	Tons/Day
1	24	1,700	37	170.0	1	10	1,250	33	111.0	1	10	998	7	18.9
2	13	1,550	39	163.0	1	21	1,370	21	77.7	1	18	982	10	26.5
3	31	7,820	153	3,230.0	2	13	1,300	99	347.0	2	8	1,430	12	46.3
4	23	8,780	172	4,080.0	2	25	1,530	94	388.0	2	17	1,240	39	131.0
5	3	13,400	136	4,920.0	3	13	1,210	116	379.0	3	7	1,960	54	286.0
6	2	16,400	298	13,200.0	3	19	1,640	31	137.0	4	2	4,340	43	504.0
6	15	18,800	303	15,400.0	4	8	4,260	63	725.0	4	10	1,480	19	75.9
7	2	18,700	320	16,200.0	4	22	5,600	56	847.0	4	16	3,650	45	443.0
7	16	18,200	416	20,400.0	5	14	5,920	60	959.0	4	9	6,760	51	931.0
7	28	17,300	3,750	175,000.0	5	24	6,990	203	3,830.0	4	28	15,400	41	1,700.0
8	16	14,200	112	4,290.0	6	10	13,700	210	7,770.0	6	3	15,800	86	3,670.0
8	22	11,200	10	302.0	6	17	12,500	216	7,290.0	6	11	13,600	70	2,570.0
8	31	15,500	14	586.0	6	22	13,600	195	7,160.0	6	21	13,500	64	2,330.0
9	10	6,060	12	196.0	7	7	11,500	30	932.0	6	27	15,400	39	1,620.0
9	16	5,670	18	276.0	7	15	15,000	43	1,740.0	7	5	15,500	294	4,920.0
9	21	8,060	13	283.0	7	21	12,700	46	1,580.0	7	11	16,100	282	12,300.0
10	12	2,730	12	88.5	7	27	9,930	31	831.0	7	19	16,500	75	3,340.0
10	22	2,230	10	60.2	8	1	7,390	56	1,120.0	7	27	13,400	99	3,580.0
11	4	1,580	16	68.3	8	9	7,430	36	722.0	8	7	14,000	63	2,380.0
11	20	1,510	112	457.0	8	21	6,090	96	1,580.0	8	13	18,200	1,090	53,600.0
12	7	1,430	67	259.0	8	28	5,500	37	549.0	8	20	28,200	2,400	183,000.0
12	21	1,490	22	88.5	9	8	3,210	73	633.0	8	24	10,600	1,260	36,100.0
					9	12	2,800	11	83.2	8	28	10,300	61	1,700.0
					10	7	2,200	36	214.0	9	6	12,800	23	795.0
					10	24	1,630	5	22.0	9	12	5,880	48	762.0
					11	8	1,250	40	135.0	9	20	5,740	183	2,840.0
					11	29	1,130	8	24.4	9	30	3,380	29	265.0
					12	8	1,120	37	112.0	10	2	2,610	31	218.0
					12	17	1,200	8	25.9	10	18	2,330	43	271.0
										11	10	1,790	35	169.0
										11	28	1,290	30	104.0
										12	10	1,810	21	103.0
										12	22	1,630	30	132.0

Sediment Volume (Chakdara) (6/10)

1977			1978			1979			1980					
month	day	Q	PPM	Tons/Day	month	day	Q	PPM	Tons/Day	month	day	Q	PPM	Tons/Day
1	17	1,300	5	17.6	1	10	1,150	23	71.4	1	14	1,080	121	353.0
1	30	1,550	16	67.0	1	27	1,160	28	125.0	2	13	1,410	31	118.0
2	8	1,420	67	257.0	2	22	1,890	18	91.9	3	13	2,590	26	182.0
2	28	1,610	44	191.0	3	29	3,970	53	273.0	4	22	7,650	354	7,310.0
3	4	1,340	47	170.0	4	11	6,940	76	921.0	5	15	10,800	385	11,200.0
3	20	1,730	66	308.0	4	27	6,700	67	1,720.0	5	25	8,010	123	2,660.0
4	7	8,660	1,260	29,500.0	5	6	12,000	83	2,690.0	6	7	14,500	356	13,900.0
4	26	5,500	44	653.0	5	30	13,900	56	2,100.0	6	23	17,900	304	14,700.0
5	7	4,750	36	462.0	6	8	16,800	136	6,170.0	6	30	14,700	69	2,740.0
5	20	8,580	170	3,940.0	6	19	12,700	41	1,410.0	7	6	12,700	324	11,100.0
6	5	11,300	116	3,540.0	7	11	16,800	383	17,400.0	7	14	14,700	314	12,500.0
6	23	17,200	1,740	80,800.0	7	19	15,900	359	15,300.0	7	20	12,700	42	1,440.0
6	28	16,300	678	29,900.0	7	31	12,400	1,000	33,500.0	7	28	10,100	367	10,000.0
7	3	16,200	861	37,700.0	8	2	12,100	1,380	45,100.0	8	3	22,200	5,990	359,000.0
7	10	12,900	164	5,710.0	8	10	13,200	1,200	42,800.0	8	8	6,240	172	2,900.0
7	20	9,780	85	2,240.0	8	22	11,900	64	2,060.0	8	19	6,180	330	5,510.0
7	26	18,000	8,400	408,000.0	8	27	9,460	32	817.0	8	30	5,880	158	2,510.0
8	5	13,800	240	8,940.0	9	8	4,120	157	1,750.0	9	4	4,650	253	3,180.0
8	12	7,580	203	4,150.0	9	15	9,460	107	2,730.0	9	13	4,990	395	5,320.0
8	21	7,460	260	5,240.0	9	25	2,450	21	139.0	9	20	3,230	148	1,290.0
8	30	6,980	558	10,500.0	9	25	2,450	59	390.0	9	27	3,020	68	554.0
9	9	2,950	38	303.0	10	19	2,210	31	185.0	10	14	2,840	168	1,290.0
9	19	4,510	157	1,910.0	10	30	2,350	34	216.0	10	28	1,890	246	1,260.0
9	24	3,200	51	441.0	11	19	1,660	74	332.0	11	13	1,810	133	650.0
9	28	2,830	70	535.0	12	23	1,360	19	69.8	11	27	2,250	263	1,600.0
10	8	2,310	18	112.0						12	13	1,550	170	711.0
10	22	1,750	71	335.0						12	27	1,500	32	130.0
10	30	2,350	87	552.0										
11	5	2,170	98	574.0										
11	30	1,760	12	57.0										
12	12	1,570	29	123.0										
12	29	1,430	50	193.0										

Sediment Volume (Chakdara) (7/10)

1981				1982				1983				1984							
month	day	Q	PPM	Tons/Day	month	day	Q	PPM	Tons/Day	month	day	Q	PPM	Tons/Day	month	day	Q	PPM	Tons/Day
1	11	1,480	20	79.9	1	12	1,110	242	725.0	1	16	1,370	11	40.7	1	17	1,030	33	91.8
1	29	1,150	250	776.3	2	9	1,140	36	111.0	2	16	1,450	13	50.9	2	22	1,480	127	507.0
2	14	4,250	292	3,350.0	3	5	1,600	58	251.0	2	27	2,080	10	56.2	3	1	1,240	92	303.0
2	25	3,500	174	1,644.0	3	14	1,500	63	255.0	3	7	2,490	17	114.0	3	31	2,690	1,580	11,500.0
2	28	2,420	56	366.0	4	18	5,600	40	605.0	3	20	4,500	19	231.0	4	4	2,740	81	599.0
3	12	2,300	7	43.5	4	19	4,860	58	592.0	4	7	5,260	6	85.2	5	11	7,540	129	2,630.0
4	11	7,680	192	3,980.0	4	4	5,830	50	787.0	4	20	4,570	6	74.0	5	26	13,000	485	17,000.0
5	26	17,300	33	1,540.0	6	16	11,600	93	2,910.0	5	9	9,790	10	264.0	6	3	22,200	145	8,670.0
6	2	10,800	261	7,610.0	6	23	6,600	62	1,100.0	6	7	8,090	22	481.0	6	9	20,600	431	24,000.0
6	9	12,200	43	1,420.0	6	29	7,680	76	1,580.0	6	13	13,300	25	898.0	6	21	15,000	494	20,000.0
6	17	10,900	31	912.0	7	5	7,030	117	2,220.0	6	23	14,300	27	1,040.0	6	26	16,500	237	10,600.0
6	28	19,600	29	1,530.0	7	10	7,100	140	2,680.0	6	29	14,000	18	680.0	7	4	13,200	109	3,880.0
7	7	14,000	394	1,490.0	7	17	6,910	138	2,570.0	7	4	14,200	44	169.0	7	9	10,400	326	9,150.0
7	14	16,300	405	17,800.0	7	31	9,770	219	5,780.0	7	8	8,780	13	308.0	7	12	12,300	293	9,730.0
7	18	15,500	264	11,000.0	8	8	11,200	156	4,720.0	7	30	13,100	19	672.0	7	16	140,100	731	27,600.0
7	25	15,700	371	15,700.0	8	16	10,000	150	4,050.0	8	15	8,710	19	447.0	8	2	9,580	58	1,500.0
7	25	15,700	436	18,500.0	8	22	6,930	16	299.0	8	21	11,300	38	1,160.0	8	16	12,600	1,800	61,200.0
7	25	15,700	273	11,600.0	8	28	4,040	43	469.0	8	23	10,700	29	838.0	8	27	11,500	586	18,200.0
8	10	13,600	101	3,710.0	9	3	3,070	77	638.0	8	30	10,700	8	231.0	9	16	4,130	143	1,590.0
8	10	13,500	472	17,200.0	9	15	2,460	112	744.0	9	3	13,000	7	246.0	9	22	4,030	108	1,180.0
8	10	13,500	299	10,900.0	9	20	2,410	112	729.0	9	5	8,670	33	772.0	9	25	3,580	99	957.0
8	17	8,190	109	2,410.0	12	21	1,600	8	34.6	9	12	6,720	64	14,160.0	10	16	2,040	324	1,780.0
8	23	6,190	96	1,600.0						9	24	2,940	57	452.0	11	11	1,590	31	133.0
8	27	7,800	198	4,210.0						10	15	2,490	48	322.0	12	8	1,610	188	817.0
9	2	4,970	72	966.0						10	22	2,180	91	536.0					
9	10	3,000	39	316.0						11	13	1,720	82	381.0					
9	14	2,950	38	302.0						12	15	1,670	30	135.0					
9	26	3,230	43	375.0															
10	14	1,940	35	183.0															
11	12	2,020	29	158.0															
12	12	1,130	47	143.0															

Sediment Volume (Chakdara) (8/10)

1985			1986			1987			1988					
month	day	Q	PPM	Tons/Day	month	day	Q	PPM	Tons/Day	month	day	Q	PPM	Tons/Day
1	12	1,150	23	71.4	1	15	1,240	40	134.0	1	8	4,640	15	188.0
1	19	2,250	43	261.0	1	30	713	10	19.3	1	17	4,080	14	154.0
2	7	1,510	53	216.0	2	14	886	37	88.5	2	9	5,450	39	574.0
3	14	1,200	124	402.0	2	26	1,300	34	119.0	2	24	5,690	76	1,170.0
4	9	7,420	233	4,670.0	3	14	2,250	126	765.0	3	11	14,200	62	2,380.0
5	9	10,800	285	8,310.0	3	28	2,800	277	2,090.0	3	14	5,030	59	801.0
6	1	8,660	287	6,710.0	4	14	3,650	27	266.0	3	28	11,600	286	8,960.0
6	8	10,300	89	2,480.0	4	22	12,700	1,220	41,800.0	5	12	13,300	206	7,400.0
6	19	10,000	569	15,700.0	5	8	4,790	114	1,470.0	5	17	3,780	230	2,350.0
6	23	7,300	77	1,520.0	6	8	17,600	56	2,660.0	5	23	11,000	136	4,040.0
7	2	4,130	235	2,620.0	6	14	12,800	75	2,590.0	6	13	12,600	188	6,400.0
7	7	11,800	322	10,300.0	6	23	6,090	34	559.0	6	28	18,000	692	33,600.0
7	8	12,800	1,080	37,300.0	6	30	14,800	321	12,800.0	7	13	16,500	823	36,700.0
7	23	10,100	958	26,100.0	7	6	11,400	161	4,960.0	7	21	16,200	1,080	47,200.0
8	6	6,960	516	9,700.0	7	13	13,400	246	8,900.0	7	27	7,940	244	5,230.0
8	10	7,980	997	21,500.0	7	20	10,300	128	3,560.0	8	2	16,100	1,270	55,200.0
8	15	6,460	1,030	19,700.0	7	28	10,500	247	7,000.0	8	7	7,580	696	14,200.0
8	30	5,270	132	1,880.0	8	4	8,500	94	2,160.0	8	9	10,400	640	18,000.0
9	2	12,300	1,020	33,900.0	8	7	8,980	83	2,010.0	8	12	8,180	303	6,690.0
9	5	6,090	417	6,860.0	8	10	8,900	46	1,110.0	8	17	6,790	274	5,020.0
9	15	3,080	31	258.0	8	13	8,420	85	1,930.0	8	20	5,900	87	1,390.0
9	24	3,150	101	859.0	8	15	8,180	31	685.0	8	24	5,480	314	4,650.0
9	30	2,290	142	878.0	8	22	8,140	193	4,240.0	9	2	3,480	51	479.0
10	10	3,830	45	465.0	8	26	7,460	160	3,220.0	9	8	2,670	76	548.0
11	5	1,200	43	139.0	8	30	9,020	143	3,480.0	9	10	3,230	89	776.0
12	3	850	52	119.0	9	5	5,930	47	753.0	9	21	2,910	54	422.0
					9	9	6,580	38	675.0	9	30	2,020	57	311.0
					10	24	3,500	589	558.0	10	6	1,890	45	230.0
					11	24	2,290	30	185.0	10	23	1,240	21	70.3
					12	11	2,170	17	99.6	11	27	779	32	67.3
					12	19	2,020	14	76.4	12	8	680	17	31.2

Sediment Volume (Chakdara) (9/10)

1989		1990		1991										
month	day	Q	PPM	Tons/Day	month	day	Q	PPM	Tons/Day	month	day	Q	PPM	Tons/Day
1	7	2,100	37	210.0	1	1	1,410	57	217.0	1	3	2,148	23	133.4
1	31	822	54	120.0	1	29	1,980	23	123.0	1	12	1,997	17	91.7
2	8	943	32	81.5	2	8	5,970	159	2,560.0	1	17	1,778	78	374.5
2	26	1,020	49	135.0	2	20	1,940	148	775.0	1	24	1,748	88	84.9
3	9	1,630	70	308.0	3	10	2,540	36	247.0	2	2	1,644	22	97.6
3	21	2,320	144	902.0	3	24	8,650	118	276.0	2	18	1,512	78	318.5
4	13	2,920	77	607.0	4	7	18,600	566	28,400.0	3	12	6,966	84	1,580.0
4	25	5,310	102	1,460.0	4	23	7,520	216	4,390.0	3	19	11,323	371	11,341.8
5	3	10,820	275	8,030.0	5	18	22,200	569	37,100.0	5	8	11,396	357	10,984.5
5	27	11,700	233	7,360.0	5	30	11,500	209	6,490.0	5	6	17,269	96	4,476.3
6	11	10,800	198	5,770.0	6	3	9,570	271	7,000.0	6	8	33,401	610	55,011.4
7	22	8,530	67	1,540.0	6	11	12,500	194	6,550.0	6	13	21,075	519	29,532.0
7	26	11,900	521	15,500.0	6	20	5,620	263	3,990.0	6	18	33,294	523	47,013.8
7	31	23,700	1,920	123,000.0	6	24	20,400	566	31,200.0	6	29	16,946	370	16,929.4
8	4	9,810	141	3,730.0	6	27	18,400	301	15,000.0	7	5	17,117	325	15,020.0
8	9	8,480	87	1,990.0	7	10	15,800	319	13,600.0	7	10	16,965	486	22,261.7
8	14	9,110	239	5,880.0	7	14	10,800	138	4,020.0	7	14	33,899	604	55,282.2
8	21	8,920	565	12,200.0	7	19	11,300	379	11,600.0	7	17	14,872	396	15,901.4
8	29	6,770	189	3,450.0	7	23	9,150	65	1,610.0	7	21	27,763	2,390	179,154.3
9	6	3,680	85	844.0	7	26	10,300	110	3,060.0	7	24	16,884	285	12,991.9
9	11	3,520	16	152.0	8	4	13,000	605	21,200.0	7	28	15,963	312	13,447.5
9	20	4,050	450	4,920.0	8	13	11,300	269	8,210.0	8	1	16,284	608	26,731.5
9	24	539	360	524.0	8	20	8,620	87	2,020.0	8	5	13,976	139	5,245.0
9	29	2,850	11	846.0	8	27	6,920	71	1,010.0	8	9	13,884	307	11,508.4
10	7	369	41	40.8	8	31	8,830	26	620.0	8	12	10,789	92	2,679.9
10	9	2,180	111	653.0	9	2	7,630	39	803.0	8	17	5,299	547	7,826.4
10	28	1,900	26	133.0	9	8	6,390	87	1,500.0	8	22	13,959	548	20,654.2
11	8	1,770	18	860.0	9	14	7,380	58	11,600.0	8	26	9,089	73	1,791.4
11	26	2,120	35	200.0	9	15	5,550	22	330.0	8	28	9,116	243	5,980.8
12	7	1,520	23	94.4	9	22	5,330	21	302.0	9	2	8,171	57	1,257.5
12	27	1,960	17	90.0	9	29	4,060	60	658.0	9	6	9,050	720	17,594.0
					10	7	2,830	55	1,190.0	9	9	7,482	67	1,353.5
					10	21	3,740	55	225.0	9	14	13,565	347	12,708.6
					11	5	3,320	19	170.0	9	17	8,730	266	6,269.6
					11	27	1,660	21	94.1	9	21	5,529	30	447.8
					12	6	1,590	120	515.0	9	24	4,364	30	353.5
					12	10	1,620	19	83.1	9	28	7,635	349	7,194.2
					12	16	1,770	24	115.0	10	6	2,598	53	371.8
					12	23	1,700	85	390.0	10	13	2,897	16	125.2
					12	29	7,210	224	4,360.0	10	19	2,596	15	105.2

Sediment Volume (Chakdara) (10/10)

1994										1995									
month	day	Q	PPM	Tons/Day	month	day	Q	PPM	Tons/Day	month	day	Q	PPM	Tons/Day	month	day	Q	PPM	Tons/Day
1	1	1,400	162	612.0	8	6	16,949	236	10,736.0	1	4	1,905	50	257.0	8	18	13,254	93	3,328.0
1	8	1,599	181	782.0	8	8	18,251	640	31,538.0	1	14	1,734	62	290.0	8	24	10,927	85	2,508.0
1	19	1,440	166	645.0	8	11	30,707	4,230	350,705.0	1	19	1,663	40	180.0	8	27	9,114	248	6,102.0
1	26	1,349	197	717.0	8	17	12,615	232	7,902.0	1	25	1,572	77	327.0	8	31	9,306	154	3,869.0
1	27	2,822	155	1,181.0	8	20	10,101	118	3,218.0	2	3	1,462	64	253.0	9	3	5,616	43	652.0
2	7	2,219	275	1,647.0	8	25	15,039	441	17,907.0	2	12	4,582	212	2,623.0	9	6	4,796	53	686.0
2	12	1,750	318	1,502.0	8	29	11,701	208	6,572.0	2	19	1,950	113	595.0	9	10	4,498	54	656.0
2	21	2,580	342	2,383.0	9	4	10,781	348	10,129.0	2	24	1,734	74	346.0	9	14	4,251	68	780.0
2	25	1,960	321	1,699.0	9	7	7,933	197	4,220.0	3	7	1,880	76	386.0	9	18	3,451	51	475.0
3	4	3,132	138	1,167.0	9	11	5,841	134	2,113.0	3	13	1,757	113	536.0	9	21	3,005	44	357.0
3	9	2,299	45	279.0	9	14	5,338	99	1,427.0	3	19	2,033	77	423.0	9	24	3,782	65	664.0
3	28	4,199	55	624.0	9	20	4,132	134	1,495.0	3	25	29,387	4,370	346,732.0	9	27	3,105	56	469.0
4	2	5,619	56	850.0	9	27	3,020	99	807.0	3	26	25,949	148	10,369.0	10	6	2,506	47	318.0
4	4	12,201	350	11,530.0	10	4	2,981	117	1,183.0	4	3	5,016	114	1,544.0	10	13	2,304	43	267.0
4	5	21,404	3,050	176,266.0	10	14	3,650	123	1,212.0	4	9	13,574	569	20,853.0	10	20	3,038	64	525.0
4	9	5,713	72	1,111.0	10	20	3,098	111	929.0	4	10	17,302	268	12,520.0	10	25	2,447	123	813.0
4	18	5,209	25	352.0	10	26	3,750	134	1,357.0	4	18	10,716	204	5,902.0	11	4	1,930	59	307.0
4	28	9,228	150	3,737.0	11	3	3,020	80	652.0	4	26	11,649	219	6,888.0	11	13	1,663	50	225.0
5	3	13,730	250	9,268.0	11	12	3,834	103	1,066.0	5	2	7,157	581	11,227.0	11	20	1,595	61	263.0
5	9	13,962	228	8,595.0	11	21	1,960	59	312.0	5	13	11,722	261	8,261.0	11	28	2,476	105	702.0
5	12	9,424	70	1,781.0	11	27	1,900	15	77.0	5	21	9,306	91	2,286.0	12	5	1,572	31	132.0
5	16	10,134	43	1,177.0	12	3	1,789	75	362.0	5	31	7,268	93	1,825.0	12	10	1,617	496	2,166.0
5	27	13,803	82	3,056.0	12	8	4,017	187	2,028.0	6	6	14,984	488	19,743.0	12	17	1,617	50	218.0
6	3	15,647	64	2,704.0	12	16	1,921	60	311.0	6	10	19,820	551	29,487.0	12	24	1,357	22	81.0
6	7	19,305	544	28,355.0	12	28	3,274	249	2,201.0	6	13	19,024	495	25,425.0					
6	12	14,230	187	7,185.0						6	18	19,122	360	18,587.0					
6	18	16,278	417	18,327.0						6	25	12,398	229	7,666.0					
6	21	20,789	580	32,556.0						7	4	19,420	273	14,314.0					
6	24	26,700	1,060	76,415.0						7	7	20,124	332	18,039.0					
6	25	24,608	788	52,356.0						7	10	20,740	324	18,143.0					
7	2	26,499	805	57,595.0						7	13	19,420	286	14,996.0					
7	5	22,210	518	31,063.0						7	17	19,619	195	10,330.0					
7	9	24,001	555	35,965.0						7	19	22,982	1,930	119,759.0					
7	13	22,543	1,000	60,866.0						7	24	22,872	5,860	361,883.0					
7	14	35,817	4,010	387,787.0						7	25	60,939	5,390	886,852.0					
7	17	17,898	373	18,025.0						7	26	29,514	371	29,564.0					
7	20	18,298	210	10,375.0						8	2	13,654	433	15,963.0					
7	24	22,399	3,690	223,157.0						8	4	39,873	9,970	1,073,337.0					
7	27	16,204	165	7,219.0						8	8	19,221	3,690	191,500.0					
8	1	16,603	245	10,983.0						8	12	13,017	139	4,885.0					

Kalam



Sediment Volume (Kalam) (1/8)

1963			1964			1965			1966					
month	day	Q	PPM	Tons / Day	month	day	Q	PPM	Tons / Day	month	day	Q	PPM	Tons / Day
2	13	395	206	219.7	4	17	1,280	28	96.8	1	25	415	32	35.9
4	22	1,460	18	70.9	4	19	1,220	67	220.7	5	10	2,540	91	624.0
5	24	3,170	123	1,052.8	5	7	2,720	69	653.6	5	19	4,950	10	134.0
5	28	3,970	184	1,972.3	5	24	3,090	137	1,143.0	6	13	12,200	320	10,500.0
6	9	8,280	109	2,436.8	6	20	8,510	134	3,079.0	6	25	11,100	167	5,000.0
7	12	12,200	2,020	66,539.0	7	11	12,200	167	5,501.0	7	22	11,900	95	3,050.0
7	23	6,670	117	2,107.0	7	18	6,310	262	4,464.0	7	31	8,700	235	5,520.0
8	26	3,780	58	591.9	7	30	6,160	51	848.2	8	15	5,020	27	366.0
9	5	3,870	72	752.3	8	5	6,120	36	594.9	8	23	6,310	27	460.0
9	30	1,740	10	47.0	8	15	7,150	143	2,761.0	8	31	3,970	54	579.0
11	14	870	14	32.9	8	21	6,280	118	2,001.0	10	2	1,760	42	200.0
11	23	665	12	21.5	8	29	4,770	68	875.8	10	23	1,060	21	60.1
12	15	620	204	341.5	9	5	3,690	299	2,979.0	11	14	823	20	44.4
					9	12	3,110	63	529.0	11	18	730	20	39.4
					9	19	2,780	41	307.7	12	11	577	17	26.5
					9	24	1,870	40	202.0					
										9	21	2,220	23	138.0
										10	3	1,500	16	64.8
										10	21	1,200	10	32.4
										11	10	865	39	91.1
										11	28	644	52	90.4
										12	15	588	10	15.9
										12	31	556	162	243.0

Sediment Volume (Kalam) (2/8)

month	day	1967			1968			1969			1970							
		Q	PPM	Tons / Day	month	day	PPM	Tons / Day	month	day	PPM	Tons / Day						
1	21	480	12	15.6	0	0	28	34.1	2	21	454	57	69.9	2	27	464	105	132.0
2	8	293	29	22.9	0	0	29	43.5	3	20	922	35	87.1	3	8	476	32	41.1
4	27	2,200	38	226.0	0	0	128	346.0	4	24	1,600	10	43.2	3	17	492	90	120.0
6	10	9,180	42	1,040.0	0	0	42	313.0	5	15	3,090	45	375.0	4	9	1,290	143	498.0
7	7	11,700	36	1,140.0	0	0	42	1,010.0	5	28	5,750	76	1,180.0	4	29	2,220	60	360.0
7	18	10,900	133	3,910.0	0	0	57	1,450.0	6	8	7,500	61	1,240.0	4	11	2,620	48	340.0
7	26	11,100	72	2,160.0	0	0	153	5,910.0	6	20	12,500	213	7,190.0	5	20	6,420	66	1,140.0
9	9	6,310	80	1,360.0	0	0	188	6,140.0	6	21	12,300	69	2,290.0	6	10	7,380	66	1,320.0
9	29	4,060	19	208.0	0	0	100	2,200.0	6	28	11,900	78	2,510.0	6	23	7,420	88	1,760.0
9	23	2,300	94	584.0	0	0	130	2,670.0	7	6	12,400	144	4,820.0	6	28	11,600	124	3,880.0
10	13	1,140	134	412.0	0	0	204	3,900.0	7	15	12,900	159	5,540.0	6	29	9,860	24	639.0
10	31	966	132	309.0	0	0	107	1,790.0	7	16	12,400	135	4,520.0	6	30	10,600	15	429.0
11	24	705	56	107.0	0	0	50	570.0	7	26	12,300	91	3,020.0	7	1	10,800	53	1,550.0
12	22	592	10	16.0	0	0	43	344.0	7	27	11,600	129	4,040.0	7	2	4,620	43	536.0
					0	0	39	265.0	7	28	10,500	109	3,090.0	7	4	9,390	50	1,270.0
					0	0	39	212.0	7	29	8,650	90	2,100.0	7	14	6,060	248	4,060.0
					0	0	16	54.9	7	30	8,020	75	1,620.0	7	23	4,590	108	1,340.0
					0	0	34	90.1	8	5	13,000	91	3,190.0	7	28	6,210	166	2,780.0
					0	0	10	23.0	8	7	13,500	136	4,960.0	8	15	5,950	227	3,590.0
					0	0	7	13.7	8	8	13,700	112	4,140.0	8	22	6,090	260	4,280.0
					0	0	41	61.5	8	30	4,420	148	1,770.0	8	29	5,620	315	4,780.0
					0	0			9	9	2,910	63	1,495.0	8	31	6,230	248	4,170.0
					0	0			9	20	2,220	245	1,470.0	9	24	1,980	20	107.0
					0	0			10	25	1,100	135	401.0	9	25	1,960	46	243.0
					0	0			11	10	970	78	204.0	9	26	1,910	173	892.0
					0	0			11	29	815	34	74.8	10	12	1,400	90	340.0
					0	0			12	6	755	69	141.0	10	22	1,240	66	221.0
					0	0			12	27	616	23	38.3	10	31	1,080	73	213.0
					0	0								11	18	745	9	18.1
					0	0								11	23	730	20	39.4
					0	0								12	11	660	24	42.8
					0	0								12	26	612	29	47.9

Sediment Volume (Kalam) (3/8)

1971				1972				1973				1974							
month	day	Q	PPM	Tons / Day	month	day	Q	PPM	Tons / Day	month	day	Q	PPM	Tons / Day	month	day	Q	PPM	Tons / Day
1	11	544	45	66.1	1	9	451	30	36.5	3	3	355	28	268.0	1	8	480	17	22.0
2	14	460	137	170.0	2	9	412	40	44.5	3	22	421	33	375.0	1	17	447	12	145.0
3	16	620	131	219.0	3	19	476	51	65.5	4	27	3,800	43	452.0	2	18	414	276	309.0
4	19	1,690	65	297.0	4	11	988	21	56.0	5	22	4,280	15	173.0	3	16	508	104	143.0
5	13	3,980	135	1,450.0	5	8	3,110	35	29.4	6	3	9,080	79	1,940.0	4	6	1,350	46	168.0
6	17	7,620	188	3,870.0	6	12	9,960	100	2,690.0	6	13	11,100	114	3,420.0	4	23	2,130	24	138.0
6	22	7,540	163	3,320.0	6	18	13,700	112	4,140.0	6	19	10,400	137	3,850.0	5	15	2,650	26	186.0
7	8	4,450	160	1,920.0	6	30	10,300	78	2,170.0	7	4	10,500	132	3,740.0	5	31	5,130	261	3,620.0
8	24	5,580	30	452.0	7	17	11,000	57	1,690.0	7	14	8,470	102	2,330.0	6	11	5,760	117	1,820.0
8	25	5,190	36	504.0	7	25	8,000	51	1,100.0	7	24	8,200	119	2,630.0	6	18	9,060	138	3,380.0
8	31	4,030	41	446.0	7	29	8,700	36	846.0	8	10	6,940	15	281.0	6	24	5,640	107	1,630.0
9	6	3,240	24	210.0	7	30	7,600	38	780.0	8	15	6,920	10	187.0	7	8	6,580	128	2,270.0
9	21	1,550	15	62.8	8	9	7,820	97	2,050.0	8	23	6,890	12	223.0	7	11	7,400	392	7,830.0
9	30	1,270	10	34.3	8	22	5,050	83	1,130.0	8	27	6,060	19	311.0	7	16	9,110	1,180	29,000.0
10	21	870	10	23.5	8	31	5,100	90	1,240.0	9	8	3,960	19	208.0	7	28	5,370	81	1,170.0
10	30	785	15	31.8	9	15	3,430	24	222.0	9	13	3,510	12	114.0	8	2	7,200	59	1,150.0
11	3	775	10	20.9	9	25	2,070	34	190.0	9	19	3,750	15	152.0	8	13	4,950	50	668.0
12	18	496	20	26.8	9	26	1,990	27	145.0	10	11	1,480	19	75.9	8	24	4,030	41	446.0
					10	16	1,160	110	345.0	10	24	1,020	19	52.3	9	9	2,330	33	208.0
					11	15	705	38	72.3	11	2	870	25	58.7	9	13	1,950	27	142.0
					12	20	540	33	48.1	11	22	685	34	62.9	9	20	1,670	35	158.0
										12	9	592	24	38.4	9	21	0	30	0.0
										12	26	512	12	16.6	10	1,110	5	15	0.0
															10	23	0	5	0.0
															11	9	0	21	0.0
															11	30	624	19	32.0
															12	10	450	3	3.6
															12	23	516	11	15.3

Sediment Volume (Kalam) (4/8)

1975			1976			1977			1978					
month	day	Q	PPM	Tons / Day	month	day	Q	PPM	Tons / Day	month	day	Q	PPM	Tons / Day
1	14	456	6	7.4	1	19	488	14	18.4	1	12	512	34	47.0
1	22	444	7	8.4	1	28	460	3	3.7	1	28	480	33	42.8
2	11	438	59	69.8	2	17	508	27	37.0	2	11	468	13	16.4
3	8	414	102	114.0	3	17	444	18	21.6	2	24	356	32	30.8
3	21	453	24	29.4	3	13	576	8	12.4	3	6	464	93	117.0
3	22	2,190	281	1,660.0	3	27	880	33	78.4	3	24	500	26	35.1
5	8	2,260	32	195.0	4	11	1,490	51	205.0	4	8	8,110	16	35.0
5	27	8,120	41	899.0	4	27	2,310	43	268.0	4	19	1,770	42	201.0
6	6	8,560	32	740.0	5	10	2,470	43	287.0	4	29	2,030	56	307.0
6	13	7,840	51	1,080.0	5	21	4,410	23	274.0	5	10	4,200	33	374.0
6	28	9,630	161	4,190.0	6	6	6,520	17	299.0	5	27	5,340	62	894.0
7	6	6,830	192	3,540.0	6	22	9,110	322	7,920.0	6	6	9,340	119	3,000.0
7	10	5,350	138	1,990.0	6	27	9,500	161	4,130.0	6	20	7,910	229	4,890.0
7	21	8,880	94	2,010.0	7	11	7,890	283	6,029.0	6	27	12,300	160	5,310.0
7	31	5,920	78	1,250.0	7	15	8,000	222	4,795.0	7	12	7,430	392	7,860.0
8	17	9,060	94	2,300.0	7	22	6,180	316	5,273.0	7	26	6,900	1,160	21,600.0
8	22	8,510	79	1,820.0	7	27	5,820	302	4,746.0	8	4	5,740	305	4,730.0
8	27	5,400	32	467.0	8	11	5,570	196	2,948.0	8	12	5,210	193	2,710.0
9	7	3,690	51	508.0	8	15	4,800	184	2,385.0	8	16	1,940	3,430	18,000.0
9	13	3,000	66	535.0	8	25	3,800	100	1,026.0	8	19	4,200	1,560	17,700.0
9	19	3,050	12	98.8	8	29	3,280	88	779.0	8	26	3,780	65	633.0
9	25	2,030	27	148.0	9	10	2,090	149	841.0	9	2	2,130	128	736.0
10	15	1,250	39	132.0	9	18	2,070	37	207.0	10	16	1,100	244	725.0
10	27	1,100	27	80.2	9	23	1,880	16	81.2	10	29	922	46	115.0
11	12	928	24	60.1	9	29	1,624	6	26.3	11	7	850	52	119.0
11	26	882	22	49.4	10	9	1,240	66	221.0	11	25	645	59	103.0
12	8	750	40	81.0	10	23	898	35	84.9					
12	24	604	63	103.0	11	7	800	13	28.1					
					11	29	650	10	17.6					
					12	14	560	38	57.5					

Sediment Volume (Kalam) (5/8)

1979			1980			1981			1982					
month	day	Q	PPM	Tons / Day	month	day	Q	PPM	Tons / Day	month	day	Q	PPM	Tons / Day
2	10	444	110	132.0	1	25	607	42	68.8	1	11	500	110	149.0
3	12	452	66	88.5	2	12	508	22	30.2	2	14	480	98	127.0
4	9	685	120	222.0	2	23	582	39	61.3	3	11	5,400	50	729.0
4	26	3,340	81	730.0	3	12	588	37	58.7	3	14	423	81	93.6
6	13	6,850	25	462.0	3	26	733	65	129.0	4	13	1,030	53	147.0
7	12	12,900	86	3,000.0	4	1	1,470	176	699.0	5	19	2,580	67	467.0
7	19	8,460	6	137.0	5	3	4,260	113	1,650.0	6	2	2,980	59	475.0
8	4	6,780	118	2,160.0	6	3	7,230	7	137.0	6	10	5,600	53	801.0
8	11	5,020	204	2,770.0	6	10	6,940	116	2,170.0	6	21	4,490	82	994.0
8	19	5,310	32	459.0	6	18	7,170	59	1,140.0	6	27	4,670	84	1,060.0
9	4	2,500	24	162.0	6	26	9,580	44	1,140.0	7	3	3,960	46	492.0
9	18	1,970	44	234.0	7	6	6,550	143	2,530.0	7	9	4,330	145	1,700.0
10	13	982	30	79.5	7	14	10,500	166	4,710.0	7	15	4,300	58	673.0
10	25	998	57	138.0	7	20	8,710	191	3,320.0	7	20	5,400	155	2,260.0
11	10	795	70	150.0	7	27	6,550	124	2,190.0	7	27	6,160	140	2,330.0
					8	9	6,870	170	3,150.0	8	4	6,470	211	3,690.0
					8	13	5,810	59	926.0	8	21	3,960	41	438.0
					8	19	4,210	76	864.0	9	5	1,990	55	296.0
					8	27	3,570	42	405.0	9	18	1,580	19	81.1
					9	4	2,680	56	405.0	9	11	1,010	16	43.6
					9	16	1,800	96	467.0	11	11	779	15	31.5
					9	21	1,830	126	623.0	11	14	691	7	13.1
					9	29	1,630	115	506.0	12				
					10	6	1,140	101	311.0					
					11	11	765	92	190.0					
					12	9	635	76	130.0					
					12	17	594	111	178.0					

Sediment Volume (Kalam) (6/8)

1983			1984			1985			1986					
month	day	Q	PPM	Tons / Day	month	day	Q	PPM	Tons / Day	month	day	Q	PPM	Tons / Day
1	11	531	6	8.6	1	16	576	51	79.3	1	21	508	49	67.2
2	14	525	12	17.0	2	25	424	118	135.0	2	11	452	97	1,180.0
3	12	465	14	17.6	3	12	500	116	157.0	3	16	464	54	67.7
3	27	611	8	13.2	3	30	700	98	206.0	4	13	875	33	78.0
4	14	843	12	27.3	4	6	880	108	257.0	5	13	2,370	49	314.0
4	27	2,180	32	188.0	5	8	3,780	100	1,020.0	6	2	5,660	92	1,490.0
5	10	3,560	5	57.7	5	22	4,150	95	1,060.0	6	11	6,740	104	1,890.0
6	6	4,380	191	2,260.0	5	30	7,980	438	9,440.0	6	16	5,000	71	959.0
6	15	7,960	48	1,030.0	6	9	11,400	171	5,260.0	7	7	8,150	37	814.0
6	22	7,560	53	1,080.0	6	12	11,300	238	7,260.0	7	17	7,580	179	3,660.0
6	27	0	62	0.0	6	17	12,000	176	5,700.0	7	24	5,600	107	1,620.0
7	3	12,300	74	2,460.0	6	29	11,200	119	3,600.0	7	31	6,350	246	4,220.0
7	6	6,260	83	1,400.0	7	7	8,700	2,580	60,600.0	8	6	5,910	265	4,230.0
7	20	6,600	50	891.0	7	12	6,200	49	820.0	8	18	5,490	119	1,760.0
7	27	7,700	106	2,200.0	7	19	6,780	121	2,220.0	8	28	4,230	67	765.0
8	13	5,390	93	1,350.0	7	29	6,520	302	5,320.0	8	31	2,860	46	355.0
8	17	4,770	95	1,220.0	8	15	5,830	178	2,800.0	9	6	2,130	233	1,340.0
8	24	4,760	84	1,080.0	8	21	6,120	92	1,520.0	9	10	2,170	22	129.0
8	28	5,070	79	1,080.0	8	30	4,290	144	1,670.0	9	21	2,020	21	115.0
9	1	4,770	66	850.0	9	3	4,160	141	1,530.0	9	28	1,540	19	79.0
9	2	1,930	67	349.0	9	12	2,450	111	734.0	10	13	1,180	34	108.0
9	8	3,740	46	465.0	9	18	2,270	64	392.0	11	7	670	15	27.1
9	27	1,590	68	292.0	9	27	1,590	33	141.0	12	13	604	24	39.1
10	12	1,240	82	274.0	10	13	1,090	33	97.1					
10	13	611	27	44.5	11	14	705	100	190.0					
11	10	1,030	29	80.6	12	10	572	18	27.8					
11	22	783	32	67.7										

Sediment Volume (Kalam) (7/8)

1987			1988			1989			1990					
month	day	Q	PPM	Tons / Day	month	day	Q	PPM	Tons / Day	month	day	Q	PPM	Tons / Day
1	15	584	34	53.6	1	7	630	25	42.5	1	30	479	59	76.3
1	29	512	14	19.4	1	18	642	57	98.8	2	10	425	29	33.3
2	13	536	18	26.0	2	10	597	58	93.5	2	27	512	32	44.2
2	27	496	17	22.8	4	6	960	18	46.7	3	10	512	58	80.2
3	13	650	77	135.0	4	29	5,200	83	1,170.0	3	20	537	31	44.9
4	14	1,050	143	405.0	5	13	6,380	81	1,400.0	4	12	659	17	30.2
4	23	3,390	258	2,360.0	5	25	7,420	91	1,820.0	4	26	1,460	52	205.0
4	25	4,490	153	1,850.0	6	12	5,810	104	1,630.0	7	1	8,640	20	467.0
5	15	3,150	44	374.0	6	29	21,100	215	12,200.0	7	3	5,870	69	1,090.0
6	9	8,630	140	3,260.0	7	12	10,700	1,310	37,800.0	7	5	8,480	59	1,350.0
6	15	8,850	75	1,710.0	7	28	6,580	218	3,870.0	6	24	9,720	100	2,620.0
6	24	6,440	27	472.0	8	7	6,290	237	4,020.0	6	26	11,700	566	17,900.0
6	29	9,350	146	3,690.0	8	14	6,240	139	2,340.0	6	28	8,790	214	5,080.0
7	7	9,780	123	3,250.0	8	21	4,690	162	2,050.0	8	6	5,970	55	887.0
7	29	6,140	62	1,030.0	8	28	3,520	89	845.0	8	10	5,460	47	693.0
8	3	8,150	95	2,090.0	9	1	2,490	64	430.0	8	17	5,020	54	732.0
8	8	6,440	53	922.0	9	5	2,350	22	139.0	8	20	5,630	25	380.0
8	11	7,070	38	725.0	9	8	2,450	22	145.0	8	23	4,870	81	1,070.0
8	12	6,810	59	1,080.0	9	11	2,350	75	475.0	8	28	3,380	149	1,360.0
8	16	6,570	50	887.0	9	23	1,980	50	267.0	9	3	2,430	129	846.0
8	23	7,110	144	2,760.0	9	26	1,970	56	297.0	9	8	2,910	18	141.0
8	25	1,910	257	1,330.0	9	29	1,790	49	236.0	9	12	2,420	168	1,100.0
8	26	6,520	72	1,270.0	10	24	942	52	81.0	9	17	3,220	22	191.0
8	29	6,550	44	831.0	11	12	706	64	121.0	9	21	2,920	20	158.0
8	31	5,780	107	1,700.0						9	25	2,090	49	277.0
9	4	4,760	36	463.0						9	28	1,890	53	270.0
9	7	4,530	345	4,220.0						10	7	1,290	16	55.7
9	11	3,620	83	811.0						10	29	933	19	47.9
9	15	3,030	198	1,620.0						11	7	872	590	1,390.0
9	20	2,710	30	220.0						11	27	679	25	45.8
9	28	1,680	33	150.0						12	6	698	34	64.1
10	25	1,230	72	239.0						12	28	564	50	76.1
11	25	775	68	142.2										
12	10	705	59	112.0										
12	20	670	28	50.7										

Sediment Volume (Kalam) (8/8)

1991		1994		1995		1996								
month	day	Q	PPM	Tons / Day	month	day	Q	PPM	Tons / Day	month	day	Q	PPM	Tons / Day
1	4	563	52	79.1	1	2	605	272	444.0	1	5	573	100	155.0
1	22	483	15	19.6	1	8	624	251	423.0	1	16	531	97	139.0
4	12	1,454	60	235.6	1	17	582	190	299.0	2	4	496	185	248.0
6	10	11,608	211	6,613.2	2	8	596	324	521.0	2	20	446	185	223.0
6	14	12,075	198	6,455.2	2	22	556	247	371.0	3	9	430	72	84.0
6	27	9,166	99	2,202.6	3	5	563	17	26.0	3	21	502	75	102.0
7	3	11,897	81	2,602.0	3	18	697	104	196.0	4	5	674	78	142.0
7	12	13,851	131	4,899.1	4	7	1,036	28	78.0	4	20	1,818	93	456.0
7	19	13,376	129	4,658.9	4	19	1,276	37	127.0	5	3	2,609	128	902.0
7	27	10,165	46	1,262.5	5	8	4,635	223	2,791.0	5	24	3,155	49	417.0
8	3	9,694	63	1,649.0	5	28	6,488	36	631.0	5	27	3,049	41	338.0
8	10	7,788	87	1,829.4	6	5	8,168	43	948.0	5	29	3,782	95	970.0
8	18	8,121	61	1,337.5	6	22	11,314	134	4,093.0	6	7	8,244	211	4,696.0
8	24	6,377	59	1,015.8	6	28	12,176	134	5,391.0	6	14	10,294	90	2,501.0
8	27	5,402	49	714.7	7	6	13,266	164	5,874.0	6	19	12,262	150	4,966.0
9	7	5,318	34	488.2	7	12	14,049	138	5,235.0	6	27	8,612	96	2,232.0
9	18	3,697	20	199.7	7	18	11,829	81	2,587.0	7	5	12,390	209	6,992.0
9	25	2,431	20	131.3	7	28	8,945	187	4,516.0	7	11	12,830	227	7,863.0
9	29	2,950	105	836.3	8	4	8,601	205	4,761.0	7	17	12,167	145	4,763.0
10	8	1,772	8	38.3	8	9	8,227	196	3,021.0	7	28	9,401	100	2,538.0
10	20	1,321	9	32.1	8	18	5,442	131	1,925.0	8	5	9,068	168	4,113.0
11	7	1,011	3	8.2	8	27	4,931	155	2,064.0	8	14	6,969	100	1,882.0
11	18	838	3	6.8	9	5	4,648	168	2,109.0	8	20	6,347	91	1,559.0
12	3	807	15	32.7	9	12	3,337	120	1,081.0	8	29	5,231	78	1,102.0
12	8	775	25	52.3	9	18	2,636	123	875.0	9	5	2,784	50	376.0
12	17	765	50	103.3	9	23	1,800	59	287.0	9	11	2,559	56	387.0
					10	15	12,590	77	262.0	9	19	1,962	28	148.0
					10	27	1,152	99	308.0	9	25	1,843	61	303.0
					11	9	961	73	189.0	10	11	1,401	36	136.0
					11	23	789	50	107.0	10	21	1,203	27	88.0
					12	6	763	133	274.0	11	5	923	19	47.0
					12	17	665	122	219.0	11	18	796	54	116.0
										12	3	667	60	108.0
										12	18	634	13	22.0





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