

CHAPTER - 6

DISCHARGE TABLE

List of Stations Dealt in Study

No.	S T A T I O N S	Range of Gauge Level	Disket No.
1	1-150 Zambezi Pump House	0 - 14.99 m	DB-03
2	1-650 Kabompo Boma	0 - 5.99 m	DB-03
3	1-950 Watopa Pontoon	0 - 10.99 m	DB-03
4	2-030 Lukulu	0 - 8.99 m	DB-03
5	2-250 Kalabo	0 - 5.99 m	DB-03
6	2-400 Senanga	0 - 7.99 m	DB-03
7	4-050 Raglam Farm	0 - 7.99 m	DB-03
8	4-120 Mwambashi	0 - 5.99 m	DB-03
9	4-130 Smith's Bridge	0 - 9.99 m	DB-03
10	4-200 Mpatamato	0 - 9.99 m	DB-03
11	4-280 Machiya Ferry	0 - 9.99 m	DB-03
12	4-350 Chilenga	0 - 8.99 m	DB-03
13	4-450 Lubungu	0 - 7.99 m	DB-03
14	4-560 Chifumpa Pontoon	0 - 7.99 m	DB-03
15	4-669 Kafue Hook Bridge	0 - 6.99 m	DB-03
16	4-941 Kaleya Dam Site	0 - 7.99 m	DB-03
17	4-958 Uruaff Farm	0 - 7.99 m	DB-03
18	5-030 Exchange Farm	0 - 4.99 m	DB-03
19	5-940 Luangwa Bridge	0 - 13.99 m	DB-03

[Note]

(1) Disket No. : Diskette Name of DISCHARGE TABLE.

H-Q TABLE HYD./STATION : 1-150 ZAMBEZI PUMP HOUSE
DISCHARGE RATING CURVE : $25.626*(H+1.035)^2$ (0.00 m < H < 5.00 m)

H	0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0	30.2	30.7	31.3	31.9	32.4	33.0	33.6	34.2	34.8	35.4
0.1	36.0	36.6	37.2	37.8	38.5	39.1	39.7	40.4	41.0	41.7
0.2	42.3	43.0	43.6	44.3	45.0	45.7	46.4	47.0	47.7	48.4
0.3	49.2	49.9	50.6	51.3	52.0	52.8	53.5	54.2	55.0	55.8
0.4	56.5	57.3	58.0	58.8	59.6	60.4	61.2	62.0	62.8	63.6
0.5	64.4	65.2	66.0	66.8	67.7	68.5	69.3	70.2	71.0	71.9
0.6	72.8	73.6	74.5	75.4	76.3	77.1	78.0	78.9	79.8	80.7
0.7	81.6	82.6	83.5	84.4	85.3	86.3	87.2	88.2	89.1	90.1
0.8	91.1	92.0	93.0	94.0	95.0	95.9	96.9	97.9	98.9	100.0
0.9	101.0	102.0	103.0	104.0	105.1	106.1	107.2	108.2	109.3	110.3
1	111.4	112.5	113.5	114.6	115.7	116.8	117.9	119.0	120.1	121.2
1.1	122.3	123.5	124.6	125.7	126.9	128.0	129.2	130.3	131.5	132.6
1.2	133.8	135.0	136.1	137.3	138.5	139.7	140.9	142.1	143.3	144.5
1.3	145.8	147.0	148.2	149.5	150.7	151.9	153.2	154.4	155.7	157.0
1.4	158.2	159.5	160.8	162.1	163.4	164.7	166.0	167.3	168.6	169.9
1.5	171.2	172.6	173.9	175.2	176.6	177.9	179.3	180.6	182.0	183.4
1.6	184.7	186.1	187.5	188.9	190.3	191.7	193.1	194.5	195.9	197.3
1.7	198.8	200.2	201.6	203.1	204.5	206.0	207.4	208.9	210.3	211.8
1.8	213.3	214.8	216.3	217.7	219.2	220.7	222.2	223.8	225.3	226.8
1.9	228.3	229.9	231.4	232.9	234.5	236.0	237.6	239.2	240.7	242.3
2	243.9	245.5	247.1	248.6	250.2	251.8	253.5	255.1	256.7	258.3
2.1	259.9	261.6	263.2	264.9	266.5	268.2	269.8	271.5	273.2	274.8
2.2	276.5	278.2	279.9	281.6	283.3	285.0	286.7	288.4	290.2	291.9
2.3	293.6	295.4	297.1	298.8	300.6	302.4	304.1	305.9	307.7	309.4
2.4	311.2	313.0	314.8	316.6	318.4	320.2	322.0	323.8	325.7	327.5
2.5	329.3	331.2	333.0	334.9	336.7	338.6	340.5	342.3	344.2	346.1
2.6	348.0	349.9	351.8	353.7	355.6	357.5	359.4	361.3	363.2	365.2
2.7	367.1	369.1	371.0	373.0	374.9	376.9	378.8	380.8	382.8	384.8
2.8	386.8	388.8	390.8	392.8	394.8	396.8	398.8	400.8	402.9	404.9
2.9	406.9	409.0	411.0	413.1	415.1	417.2	419.3	421.4	423.4	425.5
3	427.6	429.7	431.8	433.9	436.0	438.1	440.3	442.4	444.5	446.7
3.1	448.8	450.9	453.1	455.3	457.4	459.6	461.8	463.9	466.1	468.3
3.2	470.5	472.7	474.9	477.1	479.3	481.6	483.8	486.0	488.2	490.5
3.3	492.7	495.0	497.2	499.5	501.8	504.0	506.3	508.6	510.9	513.2
3.4	515.5	517.8	520.1	522.4	524.7	527.0	529.3	531.7	534.0	536.3
3.5	538.7	541.0	543.4	545.8	548.1	550.5	552.9	555.3	557.7	560.1
3.6	562.4	564.9	567.3	569.7	572.1	574.5	576.9	579.4	581.8	584.3
3.7	586.7	589.2	591.6	594.1	596.6	599.0	601.5	604.0	606.5	609.0
3.8	611.5	614.0	616.5	619.0	621.6	624.1	626.6	629.1	631.7	634.2
3.9	636.8	639.3	641.9	644.5	647.0	649.6	652.2	654.8	657.4	660.0
4	662.6	665.2	667.8	670.4	673.1	675.7	678.3	681.0	683.6	686.3
4.1	688.9	691.6	694.2	696.9	699.6	702.3	704.9	707.6	710.3	713.0
4.2	715.7	718.4	721.2	723.9	726.6	729.3	732.1	734.8	737.6	740.3
4.3	743.1	745.8	748.6	751.4	754.2	756.9	759.7	762.5	765.3	768.1
4.4	770.9	773.7	776.6	779.4	782.2	785.1	787.9	790.7	793.6	796.4
4.5	799.3	802.2	805.0	807.9	810.8	813.7	816.6	819.5	822.4	825.3
4.6	828.2	831.1	834.0	836.9	839.9	842.8	845.8	848.7	851.7	854.6
4.7	857.6	860.5	863.5	866.5	869.5	872.5	875.5	878.5	881.5	884.5
4.8	887.5	890.5	893.5	896.5	899.6	902.6	905.7	908.7	911.8	914.8
4.9	917.9	921.0	924.0	927.1	930.2	933.3	936.4	939.5	942.6	945.7

H-Q TABLE HYD./STATION : 1-150 ZAMBEZI PUMP HOUSE
DISCHARGE RATING CURVE : $25.626*(H+1.085)^2$ (5.00 m < H < 10.00 m)

H	0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
5	948.8	951.9	955.1	958.2	961.3	964.5	967.6	970.8	973.9	977.1
5.1	980.3	983.4	986.6	989.8	993.0	996.2	999.4	1,002.6	1,005.8	1,009.0
5.2	1,012.2	1,015.4	1,018.7	1,021.9	1,025.1	1,028.4	1,031.6	1,034.9	1,038.2	1,041.4
5.3	1,044.7	1,048.0	1,051.2	1,054.5	1,057.8	1,061.1	1,064.4	1,067.7	1,071.0	1,074.3
5.4	1,077.7	1,081.0	1,084.3	1,087.7	1,091.0	1,094.3	1,097.7	1,101.1	1,104.4	1,107.8
5.5	1,111.2	1,114.5	1,117.9	1,121.3	1,124.7	1,128.1	1,131.5	1,134.9	1,138.3	1,141.7
5.6	1,145.2	1,148.6	1,152.0	1,155.5	1,158.9	1,162.4	1,165.8	1,169.3	1,172.7	1,176.2
5.7	1,179.7	1,183.2	1,186.6	1,190.1	1,193.6	1,197.1	1,200.6	1,204.1	1,207.7	1,211.2
5.8	1,214.7	1,218.2	1,221.8	1,225.3	1,228.9	1,232.4	1,236.0	1,239.5	1,243.1	1,246.7
5.9	1,250.2	1,253.8	1,257.4	1,261.0	1,264.6	1,268.2	1,271.8	1,275.4	1,279.1	1,282.7
6	1,286.3	1,289.9	1,293.6	1,297.2	1,300.9	1,304.5	1,308.2	1,311.8	1,315.5	1,319.2
6.1	1,322.9	1,326.6	1,330.2	1,333.9	1,337.6	1,341.3	1,345.1	1,348.8	1,352.5	1,356.2
6.2	1,360.0	1,363.7	1,367.4	1,371.2	1,374.9	1,378.7	1,382.4	1,386.2	1,390.0	1,393.8
6.3	1,397.5	1,401.3	1,405.1	1,408.9	1,412.7	1,416.5	1,420.3	1,424.2	1,428.0	1,431.8
6.4	1,435.6	1,439.5	1,443.3	1,447.2	1,451.0	1,454.9	1,458.8	1,462.6	1,466.5	1,470.4
6.5	1,474.3	1,478.2	1,482.0	1,485.9	1,489.9	1,493.8	1,497.7	1,501.6	1,505.5	1,509.5
6.6	1,513.4	1,517.3	1,521.3	1,525.2	1,529.2	1,533.1	1,537.1	1,541.1	1,545.1	1,549.0
6.7	1,553.0	1,557.0	1,561.0	1,565.0	1,569.0	1,573.0	1,577.1	1,581.1	1,585.1	1,589.2
6.8	1,593.2	1,597.2	1,601.3	1,605.3	1,609.4	1,613.5	1,617.5	1,621.6	1,625.7	1,629.8
6.9	1,633.9	1,638.0	1,642.1	1,646.2	1,650.3	1,654.4	1,658.5	1,662.6	1,666.8	1,670.9
7	1,675.0	1,679.2	1,683.3	1,687.5	1,691.7	1,695.8	1,700.0	1,704.2	1,708.3	1,712.5
7.1	1,716.7	1,720.9	1,725.1	1,729.3	1,733.5	1,737.8	1,742.0	1,746.2	1,750.4	1,754.7
7.2	1,758.9	1,763.2	1,767.4	1,771.7	1,776.0	1,780.2	1,784.5	1,788.8	1,793.1	1,797.4
7.3	1,801.6	1,805.9	1,810.3	1,814.6	1,818.9	1,823.2	1,827.5	1,831.9	1,836.2	1,840.5
7.4	1,844.9	1,849.2	1,853.6	1,857.9	1,862.3	1,866.7	1,871.1	1,875.4	1,879.8	1,884.2
7.5	1,888.6	1,893.0	1,897.4	1,901.8	1,906.3	1,910.7	1,915.1	1,919.5	1,924.0	1,928.4
7.6	1,932.9	1,937.3	1,941.8	1,946.3	1,950.7	1,955.2	1,959.7	1,964.2	1,968.6	1,973.1
7.7	1,977.6	1,982.1	1,986.7	1,991.2	1,995.7	2,000.2	2,004.7	2,009.3	2,013.8	2,018.4
7.8	2,022.9	2,027.5	2,032.0	2,036.6	2,041.2	2,045.8	2,050.3	2,054.9	2,059.5	2,064.1
7.9	2,068.7	2,073.3	2,077.9	2,082.5	2,087.2	2,091.8	2,096.4	2,101.1	2,105.7	2,110.4
8	2,115.0	2,119.7	2,124.3	2,129.0	2,133.7	2,138.4	2,143.0	2,147.7	2,152.4	2,157.1
8.1	2,161.8	2,166.5	2,171.3	2,176.0	2,180.7	2,185.4	2,190.2	2,194.9	2,199.7	2,204.4
8.2	2,209.2	2,213.9	2,218.7	2,223.5	2,228.2	2,233.0	2,237.8	2,242.6	2,247.4	2,252.2
8.3	2,257.0	2,261.8	2,266.6	2,271.5	2,276.3	2,281.1	2,286.0	2,290.8	2,295.6	2,300.5
8.4	2,305.4	2,310.2	2,315.1	2,320.0	2,324.8	2,329.7	2,334.6	2,339.5	2,344.4	2,349.3
8.5	2,354.2	2,359.1	2,364.1	2,369.0	2,373.9	2,378.9	2,383.8	2,388.7	2,393.7	2,398.6
8.6	2,403.6	2,408.6	2,413.5	2,418.5	2,423.5	2,428.5	2,433.5	2,438.5	2,443.5	2,448.5
8.7	2,453.5	2,458.5	2,463.5	2,468.6	2,473.6	2,478.6	2,483.7	2,488.7	2,493.8	2,498.8
8.8	2,503.9	2,509.0	2,514.0	2,519.1	2,524.2	2,529.3	2,534.4	2,539.5	2,544.6	2,549.7
8.9	2,554.8	2,559.9	2,565.1	2,570.2	2,575.3	2,580.5	2,585.6	2,590.8	2,595.9	2,601.1
9	2,606.2	2,611.4	2,616.6	2,621.8	2,627.0	2,632.2	2,637.4	2,642.6	2,647.8	2,653.0
9.1	2,658.2	2,663.4	2,668.6	2,673.9	2,679.1	2,684.4	2,689.6	2,694.9	2,700.1	2,705.4
9.2	2,710.6	2,715.9	2,721.2	2,726.5	2,731.8	2,737.1	2,742.4	2,747.7	2,753.0	2,758.3
9.3	2,763.6	2,768.9	2,774.3	2,779.6	2,784.9	2,790.3	2,795.6	2,801.0	2,806.4	2,811.7
9.4	2,817.1	2,822.5	2,827.8	2,833.2	2,838.6	2,844.0	2,849.4	2,854.8	2,860.2	2,865.7
9.5	2,871.1	2,876.5	2,881.9	2,887.4	2,892.8	2,898.3	2,903.7	2,909.2	2,914.6	2,920.1
9.6	2,925.6	2,931.1	2,936.5	2,942.0	2,947.5	2,953.0	2,958.5	2,964.0	2,969.6	2,975.1
9.7	2,980.6	2,986.1	2,991.7	2,997.2	3,002.8	3,008.3	3,013.9	3,019.4	3,025.0	3,030.6
9.8	3,036.1	3,041.7	3,047.3	3,052.9	3,058.5	3,064.1	3,069.7	3,075.3	3,080.9	3,086.5
9.9	3,092.2	3,097.8	3,103.4	3,109.1	3,114.7	3,120.4	3,126.0	3,131.7	3,137.4	3,143.1

H-Q TABLE HYD./STATION : 1-150 ZAMBEZI PUMP HOUSE
DISCHARGE RATING CURVE : $25.626*(H+1.085)^2$ (10.00 m < H < 15.00 m)

H	0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
10.1	3,205.8	3,211.5	3,217.3	3,223.0	3,228.8	3,234.5	3,240.3	3,246.0	3,251.8	3,257.6
10.2	3,263.4	3,269.2	3,275.0	3,280.7	3,286.6	3,292.4	3,298.2	3,304.0	3,309.8	3,315.6
10.3	3,321.5	3,327.3	3,333.1	3,339.0	3,344.8	3,350.7	3,356.6	3,362.4	3,368.3	3,374.2
10.4	3,380.1	3,386.0	3,391.9	3,397.8	3,403.7	3,409.6	3,415.5	3,421.4	3,427.3	3,433.3
10.5	3,439.2	3,445.1	3,451.1	3,457.0	3,463.0	3,468.9	3,474.9	3,480.9	3,486.9	3,492.8
10.6	3,498.8	3,504.8	3,510.8	3,516.8	3,522.8	3,528.8	3,534.8	3,540.9	3,546.9	3,552.9
10.7	3,559.0	3,565.0	3,571.0	3,577.1	3,583.2	3,589.2	3,595.3	3,601.4	3,607.4	3,613.5
10.8	3,619.6	3,625.7	3,631.8	3,637.9	3,644.0	3,650.1	3,656.3	3,662.4	3,668.5	3,674.6
10.9	3,680.8	3,686.9	3,693.1	3,699.2	3,705.4	3,711.6	3,717.7	3,723.9	3,730.1	3,736.3
11	3,742.5	3,748.7	3,754.9	3,761.1	3,767.3	3,773.5	3,779.7	3,785.9	3,792.2	3,798.4
11.1	3,804.7	3,810.9	3,817.2	3,823.4	3,829.7	3,835.9	3,842.2	3,848.5	3,854.8	3,861.1
11.2	3,867.4	3,873.7	3,880.0	3,886.3	3,892.6	3,898.9	3,905.2	3,911.6	3,917.9	3,924.2
11.3	3,930.6	3,936.9	3,943.3	3,949.6	3,956.0	3,962.4	3,968.7	3,975.1	3,981.5	3,987.9
11.4	3,994.3	4,000.7	4,007.1	4,013.5	4,019.9	4,026.4	4,032.8	4,039.2	4,045.7	4,052.1
11.5	4,058.5	4,065.0	4,071.5	4,077.9	4,084.4	4,090.9	4,097.3	4,103.8	4,110.3	4,116.8
11.6	4,123.3	4,129.8	4,136.3	4,142.8	4,149.3	4,155.9	4,162.4	4,168.9	4,175.5	4,182.0
11.7	4,188.6	4,195.1	4,201.7	4,208.2	4,214.8	4,221.4	4,228.0	4,234.6	4,241.1	4,247.7
11.8	4,254.3	4,261.0	4,267.6	4,274.2	4,280.8	4,287.4	4,294.1	4,300.7	4,307.3	4,314.0
11.9	4,320.6	4,327.3	4,334.0	4,340.6	4,347.3	4,354.0	4,360.7	4,367.3	4,374.0	4,380.7
12	4,387.4	4,394.2	4,400.9	4,407.6	4,414.3	4,421.0	4,427.8	4,434.5	4,441.3	4,448.0
12.1	4,454.8	4,461.5	4,468.3	4,475.1	4,481.8	4,488.6	4,495.4	4,502.2	4,509.0	4,515.8
12.2	4,522.6	4,529.4	4,536.2	4,543.0	4,549.9	4,556.7	4,563.5	4,570.4	4,577.2	4,584.1
12.3	4,590.9	4,597.8	4,604.7	4,611.5	4,618.4	4,625.3	4,632.2	4,639.1	4,646.0	4,652.9
12.4	4,659.8	4,666.7	4,673.6	4,680.5	4,687.5	4,694.4	4,701.3	4,708.3	4,715.2	4,722.2
12.5	4,729.2	4,736.1	4,743.1	4,750.1	4,757.0	4,764.0	4,771.0	4,778.0	4,785.0	4,792.0
12.6	4,799.0	4,806.0	4,813.1	4,820.1	4,827.1	4,834.2	4,841.2	4,848.3	4,855.3	4,862.4
12.7	4,869.4	4,876.5	4,883.6	4,890.6	4,897.7	4,904.8	4,911.9	4,919.0	4,926.1	4,933.2
12.8	4,940.3	4,947.4	4,954.6	4,961.7	4,968.8	4,976.0	4,983.1	4,990.3	4,997.4	5,004.6
12.9	5,011.7	5,018.9	5,026.1	5,033.3	5,040.5	5,047.6	5,054.8	5,062.0	5,069.2	5,076.5
13	5,083.7	5,090.9	5,098.1	5,105.4	5,112.6	5,119.8	5,127.1	5,134.3	5,141.6	5,148.8
13.1	5,156.1	5,163.4	5,170.7	5,177.9	5,185.2	5,192.5	5,199.8	5,207.1	5,214.4	5,221.8
13.2	5,229.1	5,236.4	5,243.7	5,251.1	5,258.4	5,265.7	5,273.1	5,280.4	5,287.8	5,295.2
13.3	5,302.5	5,309.9	5,317.3	5,324.7	5,332.1	5,339.5	5,346.9	5,354.3	5,361.7	5,369.1
13.4	5,376.5	5,383.9	5,391.4	5,398.8	5,406.3	5,413.7	5,421.1	5,428.6	5,436.1	5,443.5
13.5	5,451.0	5,458.5	5,466.0	5,473.5	5,480.9	5,488.4	5,495.9	5,503.5	5,511.0	5,518.5
13.6	5,526.0	5,533.5	5,541.1	5,548.6	5,556.2	5,563.7	5,571.3	5,578.8	5,586.4	5,594.0
13.7	5,601.5	5,609.1	5,616.7	5,624.3	5,631.9	5,639.5	5,647.1	5,654.7	5,662.3	5,669.9
13.8	5,677.6	5,685.2	5,692.8	5,700.5	5,708.1	5,715.8	5,723.4	5,731.1	5,738.8	5,746.4
13.9	5,754.1	5,761.8	5,769.5	5,777.2	5,784.9	5,792.6	5,800.3	5,808.0	5,815.7	5,823.4
14	5,831.2	5,838.9	5,846.6	5,854.4	5,862.1	5,869.9	5,877.6	5,885.4	5,893.2	5,900.9
14.1	5,908.7	5,916.5	5,924.3	5,932.1	5,939.9	5,947.7	5,955.5	5,963.3	5,971.1	5,979.0
14.2	5,986.8	5,994.6	6,002.5	6,010.3	6,018.2	6,026.0	6,033.9	6,041.8	6,049.6	6,057.5
14.3	6,065.4	6,073.3	6,081.2	6,089.1	6,097.0	6,104.9	6,112.8	6,120.7	6,128.6	6,136.6
14.4	6,144.5	6,152.4	6,160.4	6,168.3	6,176.3	6,184.2	6,192.2	6,200.2	6,208.1	6,216.1
14.5	6,224.1	6,232.1	6,240.1	6,248.1	6,256.1	6,264.1	6,272.1	6,280.2	6,288.2	6,296.2
14.6	6,304.2	6,312.3	6,320.3	6,328.4	6,336.4	6,344.5	6,352.6	6,360.6	6,368.7	6,376.8
14.7	6,384.9	6,393.0	6,401.1	6,409.2	6,417.3	6,425.4	6,433.5	6,441.6	6,449.8	6,457.9
14.8	6,466.0	6,474.2	6,482.3	6,490.5	6,498.6	6,506.8	6,515.0	6,523.2	6,531.3	6,539.5
14.9	6,547.7	6,555.9	6,564.1	6,572.3	6,580.5	6,588.7	6,597.0	6,605.2	6,613.4	6,621.6

H-Q Table HYD./STATION : 1-650 KABOMPO BOMA
DISCHARGE RATING CURVE : $66.342*(H-0.715)^2$ (0.00 m < H < 5.00 m)

H	0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.7	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.4
0.8	0.5	0.6	0.7	0.9	1.0	1.2	1.4	1.6	1.8	2.0
0.9	2.3	2.5	2.8	3.1	3.4	3.7	4.0	4.3	4.7	5.0
1	5.4	5.8	6.2	6.6	7.0	7.4	7.9	8.4	8.8	9.3
1.1	9.8	10.4	10.9	11.4	12.0	12.6	13.1	13.7	14.3	15.0
1.2	15.6	16.3	16.9	17.6	18.3	19.0	19.7	20.4	21.2	21.9
1.3	22.7	23.5	24.3	25.1	25.9	26.8	27.6	28.5	29.3	30.2
1.4	31.1	32.0	33.0	33.9	34.9	35.8	36.8	37.8	38.8	39.8
1.5	40.9	41.9	43.0	44.1	45.2	46.3	47.4	48.5	49.6	50.8
1.6	52.0	53.1	54.3	55.5	56.8	58.0	59.2	60.5	61.8	63.1
1.7	64.4	65.7	67.0	68.3	69.7	71.1	72.4	73.8	75.2	76.7
1.8	78.1	79.5	81.0	82.5	84.0	85.5	87.0	88.5	90.0	91.6
1.9	93.2	94.7	96.3	97.9	99.6	101.2	102.8	104.5	106.2	107.8
2	109.5	111.3	113.0	114.7	116.5	118.2	120.0	121.8	123.6	125.4
2.1	127.3	129.1	131.0	132.8	134.7	136.6	138.5	140.4	142.4	144.3
2.2	146.3	148.3	150.3	152.3	154.3	156.3	158.4	160.4	162.5	164.6
2.3	166.7	168.8	170.9	173.0	175.2	177.3	179.5	181.7	183.9	186.1
2.4	188.4	190.6	192.9	195.1	197.4	199.7	202.0	204.3	206.7	209.0
2.5	211.4	213.8	216.1	218.5	221.0	223.4	225.8	228.3	230.8	233.2
2.6	235.7	238.2	240.8	243.3	245.8	248.4	251.0	253.6	256.2	258.8
2.7	261.4	264.0	266.7	269.4	272.0	274.7	277.4	280.2	282.9	285.6
2.8	288.4	291.2	294.0	296.8	299.6	302.4	305.2	308.1	311.0	313.8
2.9	316.7	319.6	322.6	325.5	328.4	331.4	334.4	337.4	340.3	343.4
3	346.4	349.4	352.5	355.5	358.6	361.7	364.8	367.9	371.1	374.2
3.1	377.4	380.5	383.7	386.9	390.1	393.4	396.6	399.8	403.1	406.4
3.2	409.7	413.0	416.3	419.6	423.0	426.3	429.7	433.1	436.5	439.9
3.3	443.3	446.7	450.2	453.7	457.1	460.6	464.1	467.6	471.2	474.7
3.4	478.3	481.8	485.4	489.0	492.6	496.3	499.9	503.5	507.2	510.9
3.5	514.6	518.3	522.0	525.7	529.5	533.2	537.0	540.8	544.6	548.4
3.6	552.2	556.0	559.9	563.7	567.6	571.5	575.4	579.3	583.2	587.2
3.7	591.1	595.1	599.1	603.1	607.1	611.1	615.1	619.2	623.2	627.3
3.8	631.4	635.5	639.6	643.7	647.9	652.0	656.2	660.4	664.6	668.8
3.9	673.0	677.2	681.5	685.7	690.0	694.3	698.6	702.9	707.2	711.6
4	715.9	720.3	724.7	729.0	733.5	737.9	742.3	746.7	751.2	755.7
4.1	760.2	764.7	769.2	773.7	778.2	782.8	787.3	791.9	796.5	801.1
4.2	805.7	810.4	815.0	819.7	824.3	829.0	833.7	838.4	843.2	847.9
4.3	852.6	857.4	862.2	867.0	871.8	876.6	881.4	886.3	891.1	896.0
4.4	900.9	905.8	910.7	915.6	920.5	925.5	930.4	935.4	940.4	945.4
4.5	950.4	955.5	960.5	965.6	970.6	975.7	980.8	985.9	991.0	996.2
4.6	1,001.3	1,006.5	1,011.7	1,016.8	1,022.0	1,027.3	1,032.5	1,037.7	1,043.0	1,048.2
4.7	1,053.5	1,058.8	1,064.1	1,069.4	1,074.8	1,080.1	1,085.5	1,090.9	1,096.3	1,101.7
4.8	1,107.1	1,112.5	1,117.9	1,123.4	1,128.9	1,134.3	1,139.8	1,145.3	1,150.8	1,156.4
4.9	1,161.9	1,167.5	1,173.1	1,178.6	1,184.2	1,189.9	1,195.5	1,201.1	1,206.8	1,212.4

H-Q Table HYD./STATION : 1-650 KAROMPO ROMA
DISCHARGE RATING CURVE : $66.342*(H-0.715)^2$ (5.00 m < H < 6.00 m)

H	0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
5	1,218.1	1,223.8	1,229.5	1,235.2	1,241.0	1,246.7	1,252.5	1,258.2	1,264.0	1,269.8
5.1	1,275.6	1,281.5	1,287.3	1,293.2	1,299.0	1,304.9	1,310.8	1,316.7	1,322.6	1,328.5
5.2	1,334.5	1,340.4	1,346.4	1,352.4	1,358.4	1,364.4	1,370.4	1,376.5	1,382.5	1,388.6
5.3	1,394.7	1,400.7	1,406.9	1,413.0	1,419.1	1,425.2	1,431.4	1,437.6	1,443.7	1,449.9
5.4	1,456.2	1,462.4	1,468.6	1,474.9	1,481.1	1,487.4	1,493.7	1,500.0	1,506.3	1,512.6
5.5	1,519.0	1,525.3	1,531.7	1,538.1	1,544.5	1,550.9	1,557.3	1,563.7	1,570.2	1,576.7
5.6	1,583.1	1,589.6	1,596.1	1,602.6	1,609.2	1,615.7	1,622.3	1,628.8	1,635.4	1,642.0
5.7	1,648.6	1,655.2	1,661.9	1,668.5	1,675.2	1,681.9	1,688.5	1,695.2	1,702.0	1,708.7
5.8	1,715.4	1,722.2	1,728.9	1,735.7	1,742.5	1,749.3	1,756.1	1,763.0	1,769.8	1,776.7
5.9	1,783.6	1,790.4	1,797.3	1,804.3	1,811.2	1,818.1	1,825.1	1,832.0	1,839.0	1,846.0

H-Q Table HYD./STATION : 1-950 WATOPA PONTOON
DISCHARGE RATING CURVE : $29.791*(H-0.262)^2$ (0.00 m < H < 5.00 m)

H	0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.3	0.0	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.5
0.4	0.6	0.7	0.7	0.8	0.9	1.1	1.2	1.3	1.4	1.5
0.5	1.7	1.8	2.0	2.1	2.3	2.5	2.6	2.8	3.0	3.2
0.6	3.4	3.6	3.8	4.0	4.3	4.5	4.7	5.0	5.2	5.5
0.7	5.7	6.0	6.2	6.5	6.8	7.1	7.4	7.7	8.0	8.3
0.8	8.6	8.9	9.3	9.6	10.0	10.3	10.7	11.0	11.4	11.7
0.9	12.1	12.5	12.9	13.3	13.7	14.1	14.5	14.9	15.4	15.8
1	16.2	16.7	17.1	17.6	18.0	18.5	19.0	19.4	19.9	20.4
1.1	20.9	21.4	21.9	22.4	23.0	23.5	24.0	24.6	25.1	25.7
1.2	26.2	26.8	27.3	27.9	28.5	29.1	29.7	30.3	30.9	31.5
1.3	32.1	32.7	33.3	34.0	34.6	35.3	35.9	36.6	37.2	37.9
1.4	38.6	39.3	39.9	40.6	41.3	42.0	42.8	43.5	44.2	44.9
1.5	45.7	46.4	47.1	47.9	48.7	49.4	50.2	51.0	51.8	52.5
1.6	53.3	54.1	54.9	55.8	56.6	57.4	58.2	59.1	59.9	60.7
1.7	61.6	62.5	63.3	64.2	65.1	66.0	66.9	67.7	68.6	69.6
1.8	70.5	71.4	72.3	73.2	74.2	75.1	76.1	77.0	78.0	79.0
1.9	79.9	80.9	81.9	82.9	83.9	84.9	85.9	86.9	87.9	89.0
2	90.0	91.0	92.1	93.1	94.2	95.2	96.3	97.4	98.5	99.5
2.1	100.6	101.7	102.8	104.0	105.1	106.2	107.3	108.5	109.6	110.7
2.2	111.9	113.0	114.2	115.4	116.6	117.7	118.9	120.1	121.3	122.5
2.3	123.7	125.0	126.2	127.4	128.6	129.9	131.1	132.4	133.6	134.9
2.4	136.2	137.5	138.7	140.0	141.3	142.6	143.9	145.2	146.6	147.9
2.5	149.2	150.5	151.9	153.2	154.6	156.0	157.3	158.7	160.1	161.5
2.6	162.8	164.2	165.6	167.1	168.5	169.9	171.3	172.7	174.2	175.6
2.7	177.1	178.5	180.0	181.5	182.9	184.4	185.9	187.4	188.9	190.4
2.8	191.9	193.4	194.9	196.5	198.0	199.5	201.1	202.6	204.2	205.7
2.9	207.3	208.9	210.5	212.1	213.7	215.3	216.9	218.5	220.1	221.7
3	223.3	225.0	226.6	228.3	229.9	231.6	233.2	234.9	236.6	238.3
3.1	239.9	241.6	243.3	245.0	246.8	248.5	250.2	251.9	253.7	255.4
3.2	257.2	258.9	260.7	262.4	264.2	266.0	267.8	269.6	271.3	273.1
3.3	275.0	276.8	278.6	280.4	282.2	284.1	285.9	287.8	289.6	291.5
3.4	293.4	295.2	297.1	299.0	300.9	302.8	304.7	306.6	308.5	310.4
3.5	312.3	314.3	316.2	318.2	320.1	322.1	324.0	326.0	328.0	330.0
3.6	331.9	333.9	335.9	337.9	339.9	342.0	344.0	346.0	348.0	350.1
3.7	352.1	354.2	356.2	358.3	360.4	362.4	364.5	366.6	368.7	370.8
3.8	372.9	375.0	377.1	379.3	381.4	383.5	385.7	387.8	390.0	392.1
3.9	394.3	396.5	398.6	400.8	403.0	405.2	407.4	409.6	411.8	414.0
4	416.3	418.5	420.7	423.0	425.2	427.5	429.7	432.0	434.3	436.5
4.1	438.8	441.1	443.4	445.7	448.0	450.3	452.7	455.0	457.3	459.7
4.2	462.0	464.3	466.7	469.1	471.4	473.8	476.2	478.6	481.0	483.4
4.3	485.8	488.2	490.6	493.0	495.4	497.9	500.3	502.7	505.2	507.7
4.4	510.1	512.6	515.1	517.5	520.0	522.5	525.0	527.5	530.0	532.5
4.5	535.1	537.6	540.1	542.7	545.2	547.8	550.3	552.9	555.5	558.0
4.6	560.6	563.2	565.8	568.4	571.0	573.6	576.2	578.9	581.5	584.1
4.7	586.8	589.4	592.1	594.7	597.4	600.1	602.7	605.4	608.1	610.8
4.8	613.5	616.2	618.9	621.6	624.4	627.1	629.8	632.6	635.3	638.1
4.9	640.8	643.6	646.4	649.2	651.9	654.7	657.5	660.3	663.1	665.9

H-Q Table HYD./STATION : 1-950 WATOPA PONTOON
DISCHARGE RATING CURVE : $29.791*(H-0.262)^2$ (5.00 m < H < 10.00 m)

H	0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
5	668.8	671.6	674.4	677.3	680.1	683.0	685.8	688.7	691.5	694.4
5.1	697.3	700.2	703.1	706.0	708.9	711.8	714.7	717.6	720.5	723.5
5.2	726.4	729.4	732.3	735.3	738.2	741.2	744.2	747.2	750.1	753.1
5.3	756.1	759.1	762.2	765.2	768.2	771.2	774.3	777.3	780.3	783.4
5.4	786.5	789.5	792.6	795.7	798.7	801.8	804.9	808.0	811.1	814.2
5.5	817.4	820.5	823.6	826.8	829.9	833.0	836.2	839.4	842.5	845.7
5.6	848.9	852.1	855.2	858.4	861.6	864.8	868.1	871.3	874.5	877.7
5.7	881.0	884.2	887.5	890.7	894.0	897.2	900.5	903.8	907.1	910.4
5.8	913.7	917.0	920.3	923.6	926.9	930.2	933.6	936.9	940.3	943.6
5.9	947.0	950.3	953.7	957.1	960.5	963.8	967.2	970.6	974.0	977.4
6	980.9	984.3	987.7	991.1	994.6	998.0	1001.5	1004.9	1008.4	1011.9
6.1	1015.3	1018.8	1022.3	1025.8	1029.3	1032.8	1036.3	1039.8	1043.4	1046.9
6.2	1050.4	1054.0	1057.5	1061.1	1064.6	1068.2	1071.8	1075.3	1078.9	1082.5
6.3	1086.1	1089.7	1093.3	1096.9	1100.5	1104.2	1107.8	1111.4	1115.1	1118.7
6.4	1122.4	1126.0	1129.7	1133.4	1137.1	1140.7	1144.4	1148.1	1151.8	1155.5
6.5	1159.2	1163.0	1166.7	1170.4	1174.2	1177.9	1181.7	1185.4	1189.2	1192.9
6.6	1196.7	1200.5	1204.3	1208.1	1211.9	1215.7	1219.5	1223.3	1227.1	1230.9
6.7	1234.8	1238.6	1242.5	1246.3	1250.2	1254.0	1257.9	1261.8	1265.7	1269.5
6.8	1273.4	1277.3	1281.2	1285.1	1289.1	1293.0	1296.9	1300.8	1304.8	1308.7
6.9	1312.7	1316.6	1320.6	1324.6	1328.6	1332.5	1336.5	1340.5	1344.5	1348.5
7	1352.5	1356.5	1360.6	1364.6	1368.6	1372.7	1376.7	1380.8	1384.8	1388.9
7.1	1393.0	1397.1	1401.1	1405.2	1409.3	1413.4	1417.5	1421.6	1425.8	1429.9
7.2	1434.0	1438.2	1442.3	1446.4	1450.6	1454.8	1458.9	1463.1	1467.3	1471.5
7.3	1475.7	1479.8	1484.0	1488.3	1492.5	1496.7	1500.9	1505.2	1509.4	1513.6
7.4	1517.9	1522.1	1526.4	1530.7	1534.9	1539.2	1543.5	1547.8	1552.1	1556.4
7.5	1560.7	1565.0	1569.3	1573.7	1578.0	1582.3	1586.7	1591.0	1595.4	1599.8
7.6	1604.1	1608.5	1612.9	1617.3	1621.7	1626.1	1630.5	1634.9	1639.3	1643.7
7.7	1648.2	1652.6	1657.0	1661.5	1665.9	1670.4	1674.9	1679.3	1683.8	1688.3
7.8	1692.8	1697.3	1701.8	1706.3	1710.8	1715.3	1719.8	1724.4	1728.9	1733.4
7.9	1738.0	1742.5	1747.1	1751.7	1756.2	1760.8	1765.4	1770.0	1774.6	1779.2
8	1783.8	1788.4	1793.0	1797.6	1802.3	1806.9	1811.6	1816.2	1820.9	1825.5
8.1	1830.2	1834.9	1839.5	1844.2	1848.9	1853.6	1858.3	1863.0	1867.7	1872.5
8.2	1877.2	1881.9	1886.7	1891.4	1896.2	1900.9	1905.7	1910.4	1915.2	1920.0
8.3	1924.8	1929.6	1934.4	1939.2	1944.0	1948.8	1953.6	1958.5	1963.3	1968.1
8.4	1973.0	1977.8	1982.7	1987.5	1992.4	1997.3	2002.2	2007.1	2012.0	2016.9
8.5	2021.8	2026.7	2031.6	2036.5	2041.4	2046.4	2051.3	2056.3	2061.2	2066.2
8.6	2071.1	2076.1	2081.1	2086.1	2091.1	2096.1	2101.1	2106.1	2111.1	2116.1
8.7	2121.1	2126.1	2131.2	2136.2	2141.3	2146.3	2151.4	2156.5	2161.5	2166.6
8.8	2171.7	2176.8	2181.9	2187.0	2192.1	2197.2	2202.3	2207.4	2212.6	2217.7
8.9	2222.9	2228.0	2233.2	2238.3	2243.5	2248.7	2253.8	2259.0	2264.2	2269.4
9	2274.6	2279.8	2285.0	2290.3	2295.5	2300.7	2306.0	2311.2	2316.5	2321.7
9.1	2327.0	2332.3	2337.5	2342.8	2348.1	2353.4	2358.7	2364.0	2369.3	2374.6
9.2	2379.9	2385.3	2390.6	2395.9	2401.3	2406.6	2412.0	2417.4	2422.7	2428.1
9.3	2433.5	2438.9	2444.3	2449.7	2455.1	2460.5	2465.9	2471.3	2476.8	2482.2
9.4	2487.6	2493.1	2498.5	2504.0	2509.5	2514.9	2520.4	2525.9	2531.4	2536.9
9.5	2542.4	2547.9	2553.4	2558.9	2564.4	2570.0	2575.5	2581.1	2586.6	2592.2
9.6	2597.7	2603.3	2608.9	2614.4	2620.0	2625.6	2631.2	2636.8	2642.4	2648.0
9.7	2653.7	2659.3	2664.9	2670.6	2676.2	2681.8	2687.5	2693.2	2698.8	2704.5
9.8	2710.2	2715.9	2721.6	2727.3	2733.0	2738.7	2744.4	2750.1	2755.8	2761.6
9.9	2767.3	2773.1	2778.8	2784.6	2790.3	2796.1	2801.9	2807.7	2813.4	2819.2

H-Q Table HYD./STATION : 1-950 WATOPA PONTOON
DISCHARGE RATING CURVE : $29.791*(H-0.262)^2$ (10.00 m < H < 11.00 m)

H	0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
10	2825.0	2830.8	2836.7	2842.5	2848.3	2854.1	2860.0	2865.8	2871.6	2877.5
10.1	2883.4	2889.2	2895.1	2901.0	2906.9	2912.7	2918.6	2924.5	2930.4	2936.4
10.2	2942.3	2948.2	2954.1	2960.1	2966.0	2972.0	2977.9	2983.9	2989.8	2995.8
10.3	3001.8	3007.8	3013.8	3019.8	3025.8	3031.8	3037.8	3043.8	3049.8	3055.9
10.4	3061.9	3067.9	3074.0	3080.0	3086.1	3092.2	3098.2	3104.3	3110.4	3116.5
10.5	3122.6	3128.7	3134.8	3140.9	3147.0	3153.2	3159.3	3165.4	3171.6	3177.7
10.6	3183.9	3190.1	3196.2	3202.4	3208.6	3214.8	3221.0	3227.2	3233.4	3239.6
10.7	3245.8	3252.0	3258.2	3264.5	3270.7	3277.0	3283.2	3289.5	3295.7	3302.0
10.8	3308.3	3314.6	3320.8	3327.1	3333.4	3339.7	3346.1	3352.4	3358.7	3365.0
10.9	3371.4	3377.7	3384.0	3390.4	3396.8	3403.1	3409.5	3415.9	3422.3	3428.6

H-Q Table

HYD./STATION : 2-030 LUKULU

DISCHARGE RATING CURVE : $28.448*(H+2.567)^2$ (0.00 m < H < 5.00 m)

H	0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0.0	187.5	188.9	190.4	191.9	193.3	194.8	196.3	197.8	199.3	200.8
0.1	202.3	203.9	205.4	206.9	208.5	210.0	211.6	213.1	214.7	216.2
0.2	217.8	219.4	221.0	222.6	224.1	225.7	227.4	229.0	230.6	232.2
0.3	233.8	235.5	237.1	238.8	240.4	242.1	243.7	245.4	247.1	248.7
0.4	250.4	252.1	253.8	255.5	257.2	258.9	260.7	262.4	264.1	265.9
0.5	267.6	269.3	271.1	272.9	274.6	276.4	278.2	280.0	281.7	283.5
0.6	285.3	287.1	288.9	290.8	292.6	294.4	296.2	298.1	299.9	301.8
0.7	303.6	305.5	307.4	309.2	311.1	313.0	314.9	316.8	318.7	320.6
0.8	322.5	324.4	326.3	328.3	330.2	332.2	334.1	336.1	338.0	340.0
0.9	341.9	343.9	345.9	347.9	349.9	351.9	353.9	355.9	357.9	359.9
1	362.0	364.0	366.0	368.1	370.1	372.2	374.2	376.3	378.4	380.5
1.1	382.5	384.6	386.7	388.8	390.9	393.0	395.2	397.3	399.4	401.5
1.2	403.7	405.8	408.0	410.1	412.3	414.5	416.6	418.8	421.0	423.2
1.3	425.4	427.6	429.8	432.0	434.2	436.5	438.7	440.9	443.2	445.4
1.4	447.7	449.9	452.2	454.5	456.8	459.0	461.3	463.6	465.9	468.2
1.5	470.5	472.9	475.2	477.5	479.8	482.2	484.5	486.9	489.2	491.6
1.6	494.0	496.3	498.7	501.1	503.5	505.9	508.3	510.7	513.1	515.5
1.7	518.0	520.4	522.8	525.3	527.7	530.2	532.6	535.1	537.6	540.0
1.8	542.5	545.0	547.5	550.0	552.5	555.0	557.5	560.1	562.6	565.1
1.9	567.7	570.2	572.7	575.3	577.9	580.4	583.0	585.6	588.2	590.8
2	593.4	596.0	598.6	601.2	603.8	606.4	609.0	611.7	614.3	617.0
2.1	619.6	622.3	624.9	627.6	630.3	633.0	635.7	638.3	641.0	643.8
2.2	646.5	649.2	651.9	654.6	657.4	660.1	662.8	665.6	668.3	671.1
2.3	673.9	676.6	679.4	682.2	685.0	687.8	690.6	693.4	696.2	699.0
2.4	701.8	704.7	707.5	710.3	713.2	716.0	718.9	721.8	724.6	727.5
2.5	730.4	733.3	736.2	739.1	742.0	744.9	747.8	750.7	753.6	756.6
2.6	759.5	762.4	765.4	768.3	771.3	774.3	777.2	780.2	783.2	786.2
2.7	789.2	792.2	795.2	798.2	801.2	804.2	807.3	810.3	813.3	816.4
2.8	819.4	822.5	825.6	828.6	831.7	834.8	837.9	841.0	844.0	847.1
2.9	850.3	853.4	856.5	859.6	862.7	865.9	869.0	872.2	875.3	878.5
3	881.6	884.8	888.0	891.2	894.4	897.6	900.8	904.0	907.2	910.4
3.1	913.6	916.8	920.1	923.3	926.5	929.8	933.1	936.3	939.6	942.9
3.2	946.1	949.4	952.7	956.0	959.3	962.6	965.9	969.2	972.6	975.9
3.3	979.2	982.6	985.9	989.3	992.6	996.0	999.4	1002.7	1006.1	1009.5
3.4	1012.9	1016.3	1019.7	1023.1	1026.5	1029.9	1033.4	1036.8	1040.2	1043.7
3.5	1047.1	1050.6	1054.0	1057.5	1061.0	1064.5	1067.9	1071.4	1074.9	1078.4
3.6	1081.9	1085.4	1089.0	1092.5	1096.0	1099.5	1103.1	1106.6	1110.2	1113.7
3.7	1117.3	1120.9	1124.4	1128.0	1131.6	1135.2	1138.8	1142.4	1146.0	1149.6
3.8	1153.2	1156.9	1160.5	1164.1	1167.8	1171.4	1175.1	1178.7	1182.4	1186.1
3.9	1189.8	1193.4	1197.1	1200.8	1204.5	1208.2	1211.9	1215.7	1219.4	1223.1
4	1226.8	1230.6	1234.3	1238.1	1241.8	1245.6	1249.4	1253.1	1256.9	1260.7
4.1	1264.5	1268.3	1272.1	1275.9	1279.7	1283.5	1287.3	1291.2	1295.0	1298.9
4.2	1302.7	1306.6	1310.4	1314.3	1318.1	1322.0	1325.9	1329.8	1333.7	1337.6
4.3	1341.5	1345.4	1349.3	1353.2	1357.2	1361.1	1365.0	1369.0	1372.9	1376.9
4.4	1380.8	1384.8	1388.8	1392.8	1396.7	1400.7	1404.7	1408.7	1412.7	1416.7
4.5	1420.8	1424.8	1428.8	1432.9	1436.9	1440.9	1445.0	1449.0	1453.1	1457.2
4.6	1461.3	1465.3	1469.4	1473.5	1477.6	1481.7	1485.8	1489.9	1494.1	1498.2
4.7	1502.3	1506.5	1510.6	1514.7	1518.9	1523.1	1527.2	1531.4	1535.6	1539.8
4.8	1543.9	1548.1	1552.3	1556.5	1560.8	1565.0	1569.2	1573.4	1577.7	1581.9
4.9	1586.1	1590.4	1594.7	1598.9	1603.2	1607.5	1611.7	1616.0	1620.3	1624.6

H-Q Table

HYD./STATION : 2-030 LUKULU

DISCHARGE RATING CURVE : $28.448 \cdot (H+2.567)^2$ (5.00 m < H < 9.00 m)

H	0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
5	1628.9	1633.2	1637.5	1641.9	1646.2	1650.5	1654.9	1659.2	1663.5	1667.9
5.1	1672.3	1676.6	1681.0	1685.4	1689.8	1694.1	1698.5	1702.9	1707.3	1711.7
5.2	1716.2	1720.6	1725.0	1729.4	1733.9	1738.3	1742.8	1747.2	1751.7	1756.2
5.3	1760.6	1765.1	1769.6	1774.1	1778.6	1783.1	1787.6	1792.1	1796.6	1801.2
5.4	1805.7	1810.2	1814.8	1819.3	1823.9	1828.4	1833.0	1837.6	1842.1	1846.7
5.5	1851.3	1855.9	1860.5	1865.1	1869.7	1874.3	1878.9	1883.6	1888.2	1892.8
5.6	1897.5	1902.1	1906.8	1911.4	1916.1	1920.8	1925.5	1930.1	1934.8	1939.5
5.7	1944.2	1948.9	1953.6	1958.4	1963.1	1967.8	1972.6	1977.3	1982.0	1986.8
5.8	1991.6	1996.3	2001.1	2005.9	2010.6	2015.4	2020.2	2025.0	2029.8	2034.6
5.9	2039.4	2044.3	2049.1	2053.9	2058.8	2063.6	2068.4	2073.3	2078.2	2083.0
6	2087.9	2092.8	2097.7	2102.5	2107.4	2112.3	2117.2	2122.2	2127.1	2132.0
6.1	2136.9	2141.9	2146.8	2151.7	2156.7	2161.7	2166.6	2171.6	2176.6	2181.5
6.2	2186.5	2191.5	2196.5	2201.5	2206.5	2211.5	2216.6	2221.6	2226.6	2231.6
6.3	2236.7	2241.7	2246.8	2251.8	2256.9	2262.0	2267.1	2272.1	2277.2	2282.3
6.4	2287.4	2292.5	2297.6	2302.8	2307.9	2313.0	2318.1	2323.3	2328.4	2333.6
6.5	2338.7	2343.9	2349.1	2354.2	2359.4	2364.6	2369.8	2375.0	2380.2	2385.4
6.6	2390.6	2395.8	2401.0	2406.3	2411.5	2416.7	2422.0	2427.2	2432.5	2437.8
6.7	2443.0	2448.3	2453.6	2458.9	2464.2	2469.5	2474.8	2480.1	2485.4	2490.7
6.8	2496.0	2501.4	2506.7	2512.1	2517.4	2522.8	2528.1	2533.5	2538.9	2544.2
6.9	2549.6	2555.0	2560.4	2565.8	2571.2	2576.6	2582.0	2587.5	2592.9	2598.3
7	2603.8	2609.2	2614.7	2620.1	2625.6	2631.1	2636.5	2642.0	2647.5	2653.0
7.1	2658.5	2664.0	2669.5	2675.0	2680.5	2686.1	2691.6	2697.1	2702.7	2708.2
7.2	2713.8	2719.3	2724.9	2730.5	2736.1	2741.6	2747.2	2752.8	2758.4	2764.0
7.3	2769.6	2775.2	2780.9	2786.5	2792.1	2797.8	2803.4	2809.1	2814.7	2820.4
7.4	2826.1	2831.7	2837.4	2843.1	2848.8	2854.5	2860.2	2865.9	2871.6	2877.3
7.5	2883.0	2888.8	2894.5	2900.3	2906.0	2911.8	2917.5	2923.3	2929.1	2934.8
7.6	2940.6	2946.4	2952.2	2958.0	2963.8	2969.6	2975.4	2981.2	2987.1	2992.9
7.7	2998.7	3004.6	3010.4	3016.3	3022.2	3028.0	3033.9	3039.8	3045.7	3051.5
7.8	3057.4	3063.3	3069.2	3075.2	3081.1	3087.0	3092.9	3098.9	3104.8	3110.8
7.9	3116.7	3122.7	3128.6	3134.6	3140.6	3146.6	3152.5	3158.5	3164.5	3170.5
8	3176.5	3182.6	3188.6	3194.6	3200.6	3206.7	3212.7	3218.8	3224.8	3230.9
8.1	3237.0	3243.0	3249.1	3255.2	3261.3	3267.4	3273.5	3279.6	3285.7	3291.8
8.2	3297.9	3304.1	3310.2	3316.3	3322.5	3328.6	3334.8	3340.9	3347.1	3353.3
8.3	3359.5	3365.7	3371.8	3378.0	3384.2	3390.5	3396.7	3402.9	3409.1	3415.3
8.4	3421.6	3427.8	3434.1	3440.3	3446.6	3452.9	3459.1	3465.4	3471.7	3478.0
8.5	3484.3	3490.6	3496.9	3503.2	3509.5	3515.8	3522.2	3528.5	3534.8	3541.2
8.6	3547.5	3553.9	3560.2	3566.6	3573.0	3579.4	3585.7	3592.1	3598.5	3604.9
8.7	3611.3	3617.8	3624.2	3630.6	3637.0	3643.5	3649.9	3656.4	3662.8	3669.3
8.8	3675.7	3682.2	3688.7	3695.2	3701.6	3708.1	3714.6	3721.1	3727.6	3734.2
8.9	3740.7	3747.2	3753.7	3760.3	3766.8	3773.4	3779.9	3786.5	3793.1	3799.6

H-Q Table

HYD./STATION : 2-250 KALABO

DISCHARGE RATING CURVE : $7.404*(H+0.654)^2$ (H < 3.179 m)

$132.763*(H-2.270)^2$ (H >= 3.179 m)

H :	0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0 :	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1
0.1 :	4.2	4.3	4.4	4.6	4.7	4.8	4.9	5.0	5.1	5.3
0.2 :	5.4	5.5	5.7	5.8	5.9	6.1	6.2	6.3	6.5	6.6
0.3 :	6.7	6.9	7.0	7.2	7.3	7.5	7.6	7.8	7.9	8.1
0.4 :	8.2	8.4	8.5	8.7	8.9	9.0	9.2	9.4	9.5	9.7
0.5 :	9.9	10.0	10.2	10.4	10.6	10.7	10.9	11.1	11.3	11.5
0.6 :	11.6	11.8	12.0	12.2	12.4	12.6	12.8	13.0	13.2	13.4
0.7 :	13.6	13.8	14.0	14.2	14.4	14.6	14.8	15.0	15.2	15.4
0.8 :	15.7	15.9	16.1	16.3	16.5	16.7	17.0	17.2	17.4	17.7
0.9 :	17.9	18.1	18.3	18.6	18.8	19.0	19.3	19.5	19.8	20.0
1 :	20.3	20.5	20.7	21.0	21.2	21.5	21.8	22.0	22.3	22.5
1.1 :	22.8	23.0	23.3	23.6	23.8	24.1	24.4	24.6	24.9	25.2
1.2 :	25.4	25.7	26.0	26.3	26.6	26.8	27.1	27.4	27.7	28.0
1.3 :	28.3	28.6	28.9	29.1	29.4	29.7	30.0	30.3	30.6	30.9
1.4 :	31.2	31.5	31.8	32.2	32.5	32.8	33.1	33.4	33.7	34.0
1.5 :	34.4	34.7	35.0	35.3	35.6	36.0	36.3	36.6	37.0	37.3
1.6 :	37.6	38.0	38.3	38.6	39.0	39.3	39.6	40.0	40.3	40.7
1.7 :	41.0	41.4	41.7	42.1	42.4	42.8	43.1	43.5	43.9	44.2
1.8 :	44.6	45.0	45.3	45.7	46.1	46.4	46.8	47.2	47.5	47.9
1.9 :	48.3	48.7	49.1	49.4	49.8	50.2	50.6	51.0	51.4	51.8
2 :	52.2	52.5	52.9	53.3	53.7	54.1	54.5	54.9	55.3	55.7
2.1 :	56.2	56.6	57.0	57.4	57.8	58.2	58.6	59.0	59.5	59.9
2.2 :	60.3	60.7	61.2	61.6	62.0	62.4	62.9	63.3	63.7	64.2
2.3 :	64.6	65.0	65.5	65.9	66.4	66.8	67.3	67.7	68.2	68.6
2.4 :	69.1	69.5	70.0	70.4	70.9	71.3	71.8	72.3	72.7	73.2
2.5 :	73.7	74.1	74.6	75.1	75.5	76.0	76.5	77.0	77.4	77.9
2.6 :	78.4	78.9	79.4	79.8	80.3	80.8	81.3	81.8	82.3	82.8
2.7 :	83.3	83.8	84.3	84.8	85.3	85.8	86.3	86.8	87.3	87.8
2.8 :	88.3	88.8	89.4	89.9	90.4	90.9	91.4	91.9	92.5	93.0
2.9 :	93.5	94.0	94.6	95.1	95.6	96.2	96.7	97.2	97.8	98.3
3 :	98.9	99.4	99.9	100.5	101.0	101.6	102.1	102.7	103.2	103.8
3.1 :	104.3	104.9	105.5	106.0	106.6	107.1	107.7	108.3	109.9	112.4
3.2 :	114.8	117.3	119.8	122.4	124.9	127.5	130.1	132.8	135.4	138.1
3.3 :	140.8	143.6	146.4	149.2	152.0	154.9	157.7	160.6	163.6	166.5
3.4 :	169.5	172.5	175.6	178.6	181.7	184.9	188.0	191.2	194.4	197.6
3.5 :	200.9	204.1	207.4	210.8	214.1	217.5	220.9	224.4	227.8	231.3
3.6 :	234.8	238.4	242.0	245.6	249.2	252.8	256.5	260.2	263.9	267.7
3.7 :	271.5	275.3	279.1	283.0	286.9	290.8	294.7	298.7	302.7	306.7
3.8 :	310.8	314.9	319.0	323.1	327.2	331.4	335.6	339.9	344.1	348.4
3.9 :	352.7	357.1	361.4	365.8	370.3	374.7	379.2	383.7	388.2	392.8
4 :	397.3	402.0	406.6	411.2	415.9	420.6	425.4	430.2	434.9	439.8
4.1 :	444.6	449.5	454.4	459.3	464.3	469.2	474.2	479.3	484.3	489.4
4.2 :	494.5	499.7	504.8	510.0	515.2	520.5	525.8	531.1	536.4	541.7
4.3 :	547.1	552.5	557.9	563.4	568.9	574.4	579.9	585.5	591.1	596.7
4.4 :	602.3	608.0	613.7	619.4	625.2	630.9	636.7	642.6	648.4	654.3
4.5 :	660.2	666.2	672.1	678.1	684.1	690.2	696.2	702.3	708.4	714.6
4.6 :	720.8	727.0	733.2	739.4	745.7	752.0	758.4	764.7	771.1	777.5
4.7 :	784.0	790.4	796.9	803.4	810.0	816.5	823.1	829.8	836.4	843.1
4.8 :	849.8	856.5	863.3	870.1	876.9	883.7	890.6	897.5	904.4	911.3
4.9 :	918.3	925.3	932.3	939.4	946.5	953.6	960.7	967.8	975.0	982.2

H-Q Table

HYD./STATION : 2-250 KALABO

DISCHARGE RATING CURVE : $7.404*(H+0.654)^2$ (H < 3.179 m)

$132.763*(H-2.270)^2$ (H >= 3.179 m)

H	0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
5	989.5	996.7	1004.0	1011.3	1018.7	1026.0	1033.4	1040.9	1048.3	1055.8
5.1	1063.3	1070.8	1078.4	1085.9	1093.6	1101.2	1108.8	1116.5	1124.3	1132.0
5.2	1139.8	1147.6	1155.4	1163.2	1171.1	1179.0	1186.9	1194.9	1202.8	1210.9
5.3	1218.9	1226.9	1235.0	1243.1	1251.3	1259.4	1267.6	1275.9	1284.1	1292.4
5.4	1300.7	1309.0	1317.3	1325.7	1334.1	1342.6	1351.0	1359.5	1368.0	1376.5
5.5	1385.1	1393.7	1402.3	1411.0	1419.6	1428.3	1437.0	1445.8	1454.6	1463.4
5.6	1472.2	1481.1	1489.9	1498.8	1507.8	1516.7	1525.7	1534.7	1543.8	1552.8
5.7	1561.9	1571.1	1580.2	1589.4	1598.6	1607.8	1617.1	1626.3	1635.7	1645.0
5.8	1654.3	1663.7	1673.1	1682.6	1692.1	1701.5	1711.1	1720.6	1730.2	1739.8
5.9	1749.4	1759.1	1768.7	1778.4	1788.2	1797.9	1807.7	1817.5	1827.4	1837.2

H-Q Table

HYD./STATION : 2-400 SENANGA

DISCHARGE RATING CURVE : $50.805*(H+1.747)^2$ (0.00 m < H < 5.00 m)

(UNIT:m3/sec)

H :	0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0 :	155.1	156.8	158.6	160.4	162.2	164.1	165.9	167.7	169.6	171.4
0.1 :	173.3	175.2	177.1	179.0	180.9	182.8	184.8	186.7	188.7	190.6
0.2 :	192.6	194.6	196.6	198.6	200.6	202.6	204.6	206.7	208.7	210.8
0.3 :	212.9	215.0	217.1	219.2	221.3	223.4	225.5	227.7	229.8	232.0
0.4 :	234.2	236.4	238.6	240.8	243.0	245.2	247.5	249.7	252.0	254.2
0.5 :	256.5	258.8	261.1	263.4	265.7	268.1	270.4	272.7	275.1	277.5
0.6 :	279.9	282.2	284.6	287.1	289.5	291.9	294.3	296.8	299.3	301.7
0.7 :	304.2	306.7	309.2	311.7	314.2	316.8	319.3	321.9	324.4	327.0
0.8 :	329.6	332.2	334.8	337.4	340.0	342.6	345.3	347.9	350.6	353.3
0.9 :	356.0	358.7	361.4	364.1	366.8	369.5	372.3	375.0	377.8	380.6
1 :	383.4	386.2	389.0	391.8	394.6	397.5	400.3	403.2	406.0	408.9
1.1 :	411.8	414.7	417.6	420.5	423.4	426.4	429.3	432.3	435.3	438.2
1.2 :	441.2	444.2	447.2	450.3	453.3	456.3	459.4	462.4	465.5	468.6
1.3 :	471.7	474.8	477.9	481.0	484.1	487.3	490.4	493.6	496.8	500.0
1.4 :	503.2	506.4	509.6	512.8	516.0	519.3	522.5	525.8	529.1	532.3
1.5 :	535.6	538.9	542.3	545.6	548.9	552.3	555.6	559.0	562.4	565.7
1.6 :	569.1	572.5	576.0	579.4	582.8	586.3	589.7	593.2	596.7	600.2
1.7 :	603.7	607.2	610.7	614.2	617.7	621.3	624.9	628.4	632.0	635.6
1.8 :	639.2	642.8	646.4	650.0	653.7	657.3	661.0	664.7	668.3	672.0
1.9 :	675.7	679.4	683.2	686.9	690.6	694.4	698.2	701.9	705.7	709.5
2 :	713.3	717.1	720.9	724.8	728.6	732.5	736.3	740.2	744.1	748.0
2.1 :	751.9	755.8	759.7	763.7	767.6	771.6	775.5	779.5	783.5	787.5
2.2 :	791.5	795.5	799.5	803.6	807.6	811.7	815.7	819.8	823.9	828.0
2.3 :	832.1	836.2	840.3	844.5	848.6	852.8	857.0	861.1	865.3	869.5
2.4 :	873.7	877.9	882.2	886.4	890.7	894.9	899.2	903.5	907.8	912.1
2.5 :	916.4	920.7	925.0	929.4	933.7	938.1	942.4	946.8	951.2	955.6
2.6 :	960.0	964.5	968.9	973.3	977.8	982.2	986.7	991.2	995.7	1000.2
2.7 :	1004.7	1009.2	1013.8	1018.3	1022.9	1027.4	1032.0	1036.6	1041.2	1045.8
2.8 :	1050.4	1055.0	1059.7	1064.3	1069.0	1073.6	1078.3	1083.0	1087.7	1092.4
2.9 :	1097.1	1101.8	1106.6	1111.3	1116.1	1120.9	1125.6	1130.4	1135.2	1140.0
3 :	1144.8	1149.7	1154.5	1159.4	1164.2	1169.1	1174.0	1178.9	1183.8	1188.7
3.1 :	1193.6	1198.5	1203.5	1208.4	1213.4	1218.3	1223.3	1228.3	1233.3	1238.3
3.2 :	1243.3	1248.4	1253.4	1258.5	1263.5	1268.6	1273.7	1278.8	1283.9	1289.0
3.3 :	1294.1	1299.2	1304.4	1309.5	1314.7	1319.9	1325.1	1330.3	1335.5	1340.7
3.4 :	1345.9	1351.1	1356.4	1361.6	1366.9	1372.2	1377.5	1382.8	1388.1	1393.4
3.5 :	1398.7	1404.0	1409.4	1414.8	1420.1	1425.5	1430.9	1436.3	1441.7	1447.1
3.6 :	1452.5	1458.0	1463.4	1468.9	1474.3	1479.8	1485.3	1490.8	1496.3	1501.8
3.7 :	1507.4	1512.9	1518.5	1524.0	1529.6	1535.2	1540.8	1546.4	1552.0	1557.6
3.8 :	1563.2	1568.9	1574.5	1580.2	1585.9	1591.5	1597.2	1602.9	1608.6	1614.4
3.9 :	1620.1	1625.8	1631.6	1637.4	1643.1	1648.9	1654.7	1660.5	1666.3	1672.2
4 :	1678.0	1683.8	1689.7	1695.6	1701.4	1707.3	1713.2	1719.1	1725.0	1731.0
4.1 :	1736.9	1742.8	1748.8	1754.8	1760.7	1766.7	1772.7	1778.7	1784.7	1790.8
4.2 :	1796.8	1802.9	1808.9	1815.0	1821.1	1827.2	1833.3	1839.4	1845.5	1851.6
4.3 :	1857.7	1863.9	1870.1	1876.2	1882.4	1888.6	1894.8	1901.0	1907.2	1913.5
4.4 :	1919.7	1925.9	1932.2	1938.5	1944.8	1951.1	1957.4	1963.7	1970.0	1976.3
4.5 :	1982.7	1989.0	1995.4	2001.8	2008.1	2014.5	2020.9	2027.3	2033.8	2040.2
4.6 :	2046.6	2053.1	2059.6	2066.0	2072.5	2079.0	2085.5	2092.0	2098.6	2105.1
4.7 :	2111.6	2118.2	2124.8	2131.3	2137.9	2144.5	2151.1	2157.8	2164.4	2171.0
4.8 :	2177.7	2184.3	2191.0	2197.7	2204.4	2211.1	2217.8	2224.5	2231.2	2237.9
4.9 :	2244.7	2251.5	2258.2	2265.0	2271.8	2278.6	2285.4	2292.2	2299.1	2305.9

H-Q Table

HYD./STATION : 2-400 SENANGA

DISCHARGE RATING CURVE : $50.805 \cdot (H+1.747)^2$ (5.00 m < H < 8.00 m) (UNIT:m³/sec)

H	0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
5	2312.7	2319.6	2326.5	2333.4	2340.2	2347.2	2354.1	2361.0	2367.9	2374.9
5.1	2381.8	2388.8	2395.7	2402.7	2409.7	2416.7	2423.7	2430.8	2437.8	2444.8
5.2	2451.9	2459.0	2466.0	2473.1	2480.2	2487.3	2494.4	2501.6	2508.7	2515.8
5.3	2523.0	2530.2	2537.3	2544.5	2551.7	2558.9	2566.1	2573.4	2580.6	2587.8
5.4	2595.1	2602.4	2609.6	2616.9	2624.2	2631.5	2638.9	2646.2	2653.5	2660.9
5.5	2668.2	2675.6	2683.0	2690.4	2697.8	2705.2	2712.6	2720.0	2727.5	2734.9
5.6	2742.4	2749.8	2757.3	2764.8	2772.3	2779.8	2787.3	2794.9	2802.4	2810.0
5.7	2817.5	2825.1	2832.7	2840.3	2847.9	2855.5	2863.1	2870.8	2878.4	2886.0
5.8	2893.7	2901.4	2909.1	2916.8	2924.5	2932.2	2939.9	2947.6	2955.4	2963.1
5.9	2970.9	2978.7	2986.5	2994.3	3002.1	3009.9	3017.7	3025.5	3033.4	3041.2
6	3049.1	3057.0	3064.9	3072.8	3080.7	3088.6	3096.5	3104.5	3112.4	3120.4
6.1	3128.3	3136.3	3144.3	3152.3	3160.3	3168.3	3176.4	3184.4	3192.5	3200.5
6.2	3208.6	3216.7	3224.8	3232.9	3241.0	3249.1	3257.2	3265.4	3273.5	3281.7
6.3	3289.8	3298.0	3306.2	3314.4	3322.6	3330.8	3339.1	3347.3	3355.6	3363.8
6.4	3372.1	3380.4	3388.7	3397.0	3405.3	3413.6	3422.0	3430.3	3438.7	3447.0
6.5	3455.4	3463.8	3472.2	3480.6	3489.0	3497.4	3505.9	3514.3	3522.8	3531.2
6.6	3539.7	3548.2	3556.7	3565.2	3573.7	3582.2	3590.8	3599.3	3607.9	3616.5
6.7	3625.0	3633.6	3642.2	3650.8	3659.4	3668.1	3676.7	3685.4	3694.0	3702.7
6.8	3711.4	3720.1	3728.8	3737.5	3746.2	3754.9	3763.7	3772.4	3781.2	3789.9
6.9	3798.7	3807.5	3816.3	3825.1	3833.9	3842.8	3851.6	3860.5	3869.3	3878.2
7	3887.1	3896.0	3904.9	3913.8	3922.7	3931.7	3940.6	3949.6	3958.5	3967.5
7.1	3976.5	3985.5	3994.5	4003.5	4012.5	4021.6	4030.6	4039.7	4048.7	4057.8
7.2	4066.9	4076.0	4085.1	4094.2	4103.3	4112.5	4121.6	4130.8	4139.9	4149.1
7.3	4158.3	4167.5	4176.7	4185.9	4195.2	4204.4	4213.6	4222.9	4232.2	4241.4
7.4	4250.7	4260.0	4269.3	4278.7	4288.0	4297.3	4306.7	4316.0	4325.4	4334.8
7.5	4344.2	4353.6	4363.0	4372.4	4381.8	4391.3	4400.7	4410.2	4419.7	4429.2
7.6	4438.7	4448.2	4457.7	4467.2	4476.7	4486.3	4495.8	4505.4	4515.0	4524.5
7.7	4534.1	4543.7	4553.4	4563.0	4572.6	4582.3	4591.9	4601.6	4611.3	4620.9
7.8	4630.6	4640.3	4650.1	4659.8	4669.5	4679.3	4689.0	4698.8	4708.6	4718.4
7.9	4728.1	4738.0	4747.8	4757.6	4767.4	4777.3	4787.1	4797.0	4806.9	4816.8

H-Q Table

HYD./STATION : 4-050 RAGLAM FARM

DISCHARGE RATING CURVE $5.677*(H+0.167)^2$ (0.00 m < H < 5.00 m)

(UNIT:m³/sec)

H	0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4
0.1	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7
0.2	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.1	1.1	1.2
0.3	1.2	1.3	1.3	1.4	1.5	1.5	1.6	1.6	1.7	1.8
0.4	1.8	1.9	2.0	2.0	2.1	2.2	2.2	2.3	2.4	2.5
0.5	2.5	2.6	2.7	2.8	2.8	2.9	3.0	3.1	3.2	3.3
0.6	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2
0.7	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2
0.8	5.3	5.4	5.5	5.6	5.8	5.9	6.0	6.1	6.2	6.3
0.9	6.5	6.6	6.7	6.8	7.0	7.1	7.2	7.3	7.5	7.6
1	7.7	7.9	8.0	8.1	8.3	8.4	8.5	8.7	8.8	9.0
1.1	9.1	9.3	9.4	9.5	9.7	9.8	10.0	10.1	10.3	10.5
1.2	10.6	10.8	10.9	11.1	11.2	11.4	11.6	11.7	11.9	12.1
1.3	12.2	12.4	12.6	12.7	12.9	13.1	13.2	13.4	13.6	13.8
1.4	13.9	14.1	14.3	14.5	14.7	14.8	15.0	15.2	15.4	15.6
1.5	15.8	16.0	16.2	16.3	16.5	16.7	16.9	17.1	17.3	17.5
1.6	17.7	17.9	18.1	18.3	18.5	18.7	18.9	19.2	19.4	19.6
1.7	19.8	20.0	20.2	20.4	20.6	20.9	21.1	21.3	21.5	21.7
1.8	22.0	22.2	22.4	22.6	22.9	23.1	23.3	23.6	23.8	24.0
1.9	24.3	24.5	24.7	25.0	25.2	25.4	25.7	25.9	26.2	26.4
2	26.7	26.9	27.2	27.4	27.7	27.9	28.2	28.4	28.7	28.9
2.1	29.2	29.4	29.7	30.0	30.2	30.5	30.7	31.0	31.3	31.5
2.2	31.8	32.1	32.3	32.6	32.9	33.2	33.4	33.7	34.0	34.3
2.3	34.6	34.8	35.1	35.4	35.7	36.0	36.3	36.5	36.8	37.1
2.4	37.4	37.7	38.0	38.3	38.6	38.9	39.2	39.5	39.8	40.1
2.5	40.4	40.7	41.0	41.3	41.6	41.9	42.2	42.5	42.8	43.2
2.6	43.5	43.8	44.1	44.4	44.7	45.0	45.4	45.7	46.0	46.3
2.7	46.7	47.0	47.3	47.6	48.0	48.3	48.6	49.0	49.3	49.6
2.8	50.0	50.3	50.7	51.0	51.3	51.7	52.0	52.4	52.7	53.1
2.9	53.4	53.7	54.1	54.5	54.8	55.2	55.5	55.9	56.2	56.6
3	56.9	57.3	57.7	58.0	58.4	58.8	59.1	59.5	59.9	60.2
3.1	60.6	61.0	61.3	61.7	62.1	62.5	62.8	63.2	63.6	64.0
3.2	64.4	64.7	65.1	65.5	65.9	66.3	66.7	67.1	67.5	67.8
3.3	68.2	68.6	69.0	69.4	69.8	70.2	70.6	71.0	71.4	71.8
3.4	72.2	72.6	73.0	73.5	73.9	74.3	74.7	75.1	75.5	75.9
3.5	76.3	76.8	77.2	77.6	78.0	78.4	78.9	79.3	79.7	80.1
3.6	80.6	81.0	81.4	81.8	82.3	82.7	83.1	83.6	84.0	84.5
3.7	84.9	85.3	85.8	86.2	86.7	87.1	87.5	88.0	88.4	88.9
3.8	89.3	89.8	90.2	90.7	91.2	91.6	92.1	92.5	93.0	93.4
3.9	93.9	94.4	94.8	95.3	95.8	96.2	96.7	97.2	97.6	98.1
4	98.6	99.0	99.5	100.0	100.5	101.0	101.4	101.9	102.4	102.9
4.1	103.4	103.8	104.3	104.8	105.3	105.8	106.3	106.8	107.3	107.8
4.2	108.3	108.8	109.3	109.8	110.3	110.8	111.3	111.8	112.3	112.8
4.3	113.3	113.8	114.3	114.8	115.3	115.8	116.3	116.9	117.4	117.9
4.4	118.4	118.9	119.4	120.0	120.5	121.0	121.5	122.1	122.6	123.1
4.5	123.7	124.2	124.7	125.2	125.8	126.3	126.8	127.4	127.9	128.5
4.6	129.0	129.5	130.1	130.6	131.2	131.7	132.3	132.8	133.4	133.9
4.7	134.5	135.0	135.6	136.1	136.7	137.3	137.8	138.4	138.9	139.5
4.8	140.1	140.6	141.2	141.8	142.3	142.9	143.5	144.0	144.6	145.2
4.9	145.8	146.3	146.9	147.5	148.1	148.6	149.2	149.8	150.4	151.0

H-Q Table HYD./STATION : 4-050 RAGLAM FARM
DISCHARGE RATING CURVE $5.677*(H+0.167)^2$ (5.00 m < H < 8.00 m) (UNIT:m³/sec)

H	0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
5	151.6	152.2	152.7	153.3	153.9	154.5	155.1	155.7	156.3	156.9
5.1	157.5	158.1	158.7	159.3	159.9	160.5	161.1	161.7	162.3	162.9
5.2	163.5	164.1	164.7	165.4	166.0	166.6	167.2	167.8	168.4	169.1
5.3	169.7	170.3	170.9	171.5	172.2	172.8	173.4	174.0	174.7	175.3
5.4	175.9	176.6	177.2	177.8	178.5	179.1	179.8	180.4	181.0	181.7
5.5	182.3	183.0	183.6	184.3	184.9	185.5	186.2	186.8	187.5	188.2
5.6	188.8	189.5	190.1	190.8	191.4	192.1	192.8	193.4	194.1	194.7
5.7	195.4	196.1	196.7	197.4	198.1	198.8	199.4	200.1	200.8	201.5
5.8	202.1	202.8	203.5	204.2	204.8	205.5	206.2	206.9	207.6	208.3
5.9	209.0	209.7	210.3	211.0	211.7	212.4	213.1	213.8	214.5	215.2
6	215.9	216.6	217.3	218.0	218.7	219.4	220.1	220.8	221.5	222.3
6.1	223.0	223.7	224.4	225.1	225.8	226.5	227.3	228.0	228.7	229.4
6.2	230.1	230.9	231.6	232.3	233.0	233.8	234.5	235.2	236.0	236.7
6.3	237.4	238.2	238.9	239.6	240.4	241.1	241.9	242.6	243.3	244.1
6.4	244.8	245.6	246.3	247.1	247.8	248.6	249.3	250.1	250.8	251.6
6.5	252.3	253.1	253.9	254.6	255.4	256.1	256.9	257.7	258.4	259.2
6.6	260.0	260.7	261.5	262.3	263.0	263.8	264.6	265.4	266.1	266.9
6.7	267.7	268.5	269.3	270.0	270.8	271.6	272.4	273.2	274.0	274.8
6.8	275.6	276.3	277.1	277.9	278.7	279.5	280.3	281.1	281.9	282.7
6.9	283.5	284.3	285.1	285.9	286.7	287.5	288.4	289.2	290.0	290.8
7	291.6	292.4	293.2	294.1	294.9	295.7	296.5	297.3	298.2	299.0
7.1	299.8	300.6	301.5	302.3	303.1	303.9	304.8	305.6	306.4	307.3
7.2	308.1	308.9	309.8	310.6	311.5	312.3	313.1	314.0	314.8	315.7
7.3	316.5	317.4	318.2	319.1	319.9	320.8	321.6	322.5	323.3	324.2
7.4	325.1	325.9	326.8	327.6	328.5	329.4	330.2	331.1	332.0	332.8
7.5	333.7	334.6	335.5	336.3	337.2	338.1	339.0	339.8	340.7	341.6
7.6	342.5	343.4	344.2	345.1	346.0	346.9	347.8	348.7	349.6	350.5
7.7	351.3	352.2	353.1	354.0	354.9	355.8	356.7	357.6	358.5	359.4
7.8	360.3	361.2	362.1	363.1	364.0	364.9	365.8	366.7	367.6	368.5
7.9	369.4	370.4	371.3	372.2	373.1	374.0	375.0	375.9	376.8	377.7

H-Q Table

HYD./STATION : 4-120 MWAMBASHI

DISCHARGE RATING CURVE $1.989*(H-0.019)^2$ (H < 2.920 m)

(UNIT:m3/sec)

$6.058*(H-1.262)^2$ (H >= 2.920 m)

H	0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
0.4	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4
0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6
0.6	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.9	0.9
0.7	0.9	0.9	1.0	1.0	1.0	1.1	1.1	1.1	1.2	1.2
0.8	1.2	1.2	1.3	1.3	1.3	1.4	1.4	1.4	1.5	1.5
0.9	1.5	1.6	1.6	1.7	1.7	1.7	1.8	1.8	1.8	1.9
1	1.9	2.0	2.0	2.0	2.1	2.1	2.2	2.2	2.2	2.3
1.1	2.3	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.7	2.7
1.2	2.8	2.9	2.9	2.9	3.0	3.0	3.1	3.1	3.2	3.2
1.3	3.3	3.3	3.4	3.4	3.5	3.5	3.6	3.6	3.7	3.7
1.4	3.8	3.8	3.9	4.0	4.0	4.1	4.1	4.2	4.2	4.3
1.5	4.4	4.4	4.5	4.5	4.6	4.7	4.7	4.8	4.8	4.9
1.6	5.0	5.0	5.1	5.2	5.2	5.3	5.4	5.4	5.5	5.6
1.7	5.6	5.7	5.8	5.8	5.9	6.0	6.0	6.1	6.2	6.2
1.8	6.3	6.4	6.5	6.5	6.6	6.7	6.7	6.8	6.9	7.0
1.9	7.0	7.1	7.2	7.3	7.3	7.4	7.5	7.6	7.6	7.7
2	7.8	7.9	8.0	8.0	8.1	8.2	8.3	8.4	8.4	8.5
2.1	8.6	8.7	8.8	8.9	8.9	9.0	9.1	9.2	9.3	9.4
2.2	9.5	9.5	9.6	9.7	9.8	9.9	10.0	10.1	10.2	10.3
2.3	10.3	10.4	10.5	10.6	10.7	10.8	10.9	11.0	11.1	11.2
2.4	11.3	11.4	11.5	11.6	11.7	11.8	11.9	11.9	12.0	12.1
2.5	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	13.0	13.1
2.6	13.2	13.4	13.5	13.6	13.7	13.8	13.9	14.0	14.1	14.2
2.7	14.3	14.4	14.5	14.6	14.7	14.8	14.9	15.1	15.2	15.3
2.8	15.4	15.5	15.6	15.7	15.8	15.9	16.1	16.2	16.3	16.4
2.9	16.5	16.6	16.7	16.9	17.1	17.3	17.5	17.7	17.9	18.1
3	18.3	18.5	19.7	18.9	19.2	19.4	19.6	19.8	20.0	20.2
3.1	20.5	20.7	20.9	21.1	21.4	21.6	21.8	22.1	22.3	22.5
3.2	22.8	23.0	23.2	23.5	23.7	23.9	24.2	24.4	24.7	24.9
3.3	25.2	25.4	25.7	25.9	26.2	26.4	26.7	26.9	27.2	27.4
3.4	27.7	28.0	28.2	28.5	28.7	29.0	29.3	29.5	29.8	30.1
3.5	30.3	30.6	30.9	31.2	31.4	31.7	32.0	32.3	32.6	32.8
3.6	33.1	33.4	33.7	34.0	34.3	34.5	34.8	35.1	35.4	35.7
3.7	36.0	36.3	36.6	36.9	37.2	37.5	37.8	38.1	38.4	38.7
3.8	39.0	39.3	39.6	40.0	40.3	40.6	40.9	41.2	41.5	41.5
3.9	42.2	42.5	42.8	43.1	43.4	43.8	44.1	44.4	44.8	45.1
4	45.4	45.7	46.1	46.4	46.8	47.1	47.4	47.8	48.1	48.4
4.1	48.8	49.1	49.5	49.8	50.2	50.5	50.9	51.2	51.6	51.9
4.2	52.3	52.6	53.0	53.4	53.7	54.1	54.4	54.8	55.2	55.5
4.3	55.9	56.3	56.7	57.0	57.4	57.8	58.1	58.5	58.9	59.3
4.4	59.7	60.0	60.4	60.8	61.2	61.6	62.0	62.3	62.7	63.1
4.5	63.5	63.9	64.3	64.7	65.1	65.5	65.9	66.3	66.7	67.1
4.6	67.5	67.9	68.3	68.7	69.1	69.5	69.9	70.4	70.8	71.2
4.7	71.6	72.0	72.4	72.9	73.3	73.7	74.1	74.6	75.0	75.4
4.8	75.8	76.3	76.7	77.1	77.6	78.0	78.4	78.9	79.3	79.7
4.9	80.2	80.6	81.1	81.5	82.0	82.4	82.8	83.3	83.7	84.2

H-Q Table

HYD./STATION : 4-120 MWAMBASHI

DISCHARGE RATING CURVE $1.989*(H-0.019)^2$ (H < 2.920 m)

(UNIT:m3/sec)

$6.058*(H-1.262)^2$ (H >= 2.920 m)

H	0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
5	84.6	85.1	85.6	86.0	86.5	86.9	87.4	87.8	88.3	88.8
5.1	89.2	89.7	90.2	90.6	91.1	91.6	92.0	92.5	93.0	93.5
5.2	93.9	94.4	94.9	95.4	95.9	96.3	96.8	97.3	97.8	98.3
5.3	98.8	99.3	99.8	100.3	100.7	101.2	101.7	102.2	102.7	103.2
5.4	103.7	104.2	104.7	105.2	105.7	106.3	106.8	107.3	107.8	108.3
5.5	108.8	109.3	109.8	110.4	110.9	111.4	111.9	112.4	113.0	113.5
5.6	114.0	114.5	115.1	115.6	116.1	116.6	117.2	117.7	118.2	118.8
5.7	119.3	119.9	120.4	120.9	121.5	122.0	122.6	123.1	123.7	124.2
5.8	124.8	125.3	125.9	126.4	127.0	127.5	128.1	128.6	129.2	129.8
5.9	130.3	130.9	131.4	132.0	132.6	133.1	133.7	134.3	134.8	135.4

H-Q Table HYD./STATION : 4-130 SMITH'S BRIDGE
DISCHARGE RATING CURVE $6.078*(H+0.184)^2$ (0.00 m < H < 5.00 m) (UNIT:m3/sec)

H	0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.5
0.1	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.9
0.2	0.9	0.9	1.0	1.0	1.1	1.1	1.2	1.3	1.3	1.4
0.3	1.4	1.5	1.5	1.6	1.7	1.7	1.8	1.9	1.9	2.0
0.4	2.1	2.1	2.2	2.3	2.4	2.4	2.5	2.6	2.7	2.8
0.5	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.5	3.6
0.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6
0.7	4.7	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.8
0.8	5.9	6.0	6.1	6.2	6.4	6.5	6.6	6.8	6.9	7.0
0.9	7.1	7.3	7.4	7.5	7.7	7.8	8.0	8.1	8.2	8.4
1	8.5	8.7	8.8	9.0	9.1	9.3	9.4	9.6	9.7	9.9
1.1	10.0	10.2	10.3	10.5	10.7	10.8	11.0	11.1	11.3	11.5
1.2	11.6	11.8	12.0	12.2	12.3	12.5	12.7	12.8	13.0	13.2
1.3	13.4	13.6	13.7	13.9	14.1	14.3	14.5	14.7	14.9	15.1
1.4	15.3	15.4	15.6	15.8	16.0	16.2	16.4	16.6	16.8	17.0
1.5	17.2	17.4	17.6	17.9	18.1	18.3	18.5	18.7	18.9	19.1
1.6	19.3	19.6	19.8	20.0	20.2	20.4	20.7	20.9	21.1	21.3
1.7	21.6	21.8	22.0	22.3	22.5	22.7	23.0	23.2	23.4	23.7
1.8	23.9	24.2	24.4	24.7	24.9	25.1	25.4	25.6	25.9	26.1
1.9	26.4	26.7	26.9	27.2	27.4	27.7	27.9	28.2	28.5	28.7
2	29.0	29.3	29.5	29.8	30.1	30.3	30.6	30.9	31.2	31.4
2.1	31.7	32.0	32.3	32.5	32.8	33.1	33.4	33.7	34.0	34.3
2.2	34.5	34.8	35.1	35.4	35.7	36.0	36.3	36.6	36.9	37.2
2.3	37.5	37.8	38.1	38.4	38.7	39.0	39.3	39.6	40.0	40.3
2.4	40.6	40.9	41.2	41.5	41.8	42.2	42.5	42.8	43.1	43.5
2.5	43.8	44.1	44.4	44.8	45.1	45.4	45.8	46.1	46.4	46.8
2.6	47.1	47.4	47.8	48.1	48.5	48.8	49.2	49.5	49.9	50.2
2.7	50.6	50.9	51.3	51.6	52.0	52.3	52.7	53.0	53.4	53.8
2.8	54.1	54.5	54.8	55.2	55.6	55.9	56.3	56.7	57.1	57.4
2.9	57.8	58.2	58.6	58.9	59.3	59.7	60.1	60.5	60.8	61.2
3	61.6	62.0	62.4	62.8	63.2	63.6	64.0	64.4	64.8	65.2
3.1	65.5	65.9	66.3	66.8	67.2	67.6	68.0	68.4	68.8	69.2
3.2	69.6	70.0	70.4	70.8	71.3	71.7	72.1	72.5	72.9	73.4
3.3	73.8	74.2	74.6	75.1	75.5	75.9	76.3	76.8	77.2	77.6
3.4	78.1	78.5	78.9	79.4	79.8	80.3	80.7	81.2	81.6	82.0
3.5	82.5	82.9	83.4	83.8	84.3	84.7	85.2	85.7	86.1	86.6
3.6	87.0	87.5	88.0	88.4	88.9	89.3	89.8	90.3	90.7	91.2
3.7	91.7	92.2	92.6	93.1	93.6	94.1	94.5	95.0	95.5	96.0
3.8	96.5	97.0	97.4	97.9	98.4	98.9	99.4	99.9	100.4	100.9
3.9	101.4	101.9	102.4	102.9	103.4	103.9	104.4	104.9	105.4	105.9
4	106.4	106.9	107.4	107.9	108.4	109.0	109.5	110.0	110.5	111.0
4.1	111.5	112.1	112.6	113.1	113.6	114.2	114.7	115.2	115.8	116.3
4.2	116.8	117.3	117.9	118.4	119.0	119.5	120.0	120.6	121.1	121.7
4.3	122.2	122.8	123.3	123.8	124.4	124.9	125.5	126.1	126.6	127.2
4.4	127.7	128.3	128.8	129.4	130.0	130.5	131.1	131.6	132.2	132.8
4.5	133.4	133.9	134.5	135.1	135.6	136.2	136.8	137.4	137.9	138.5
4.6	139.1	139.7	140.3	140.9	141.4	142.0	142.6	143.2	143.8	144.4
4.7	145.0	145.6	146.2	146.8	147.4	148.0	148.6	149.2	149.8	150.4
4.8	151.0	151.6	152.2	152.8	153.4	154.0	154.6	155.2	155.9	156.5
4.9	157.1	157.7	158.3	159.0	159.6	160.2	160.8	161.5	162.1	162.7

H-Q Table HYD./STATION : 4-130 SMITH'S BRIDGE
DISCHARGE RATING CURVE $6.078*(H+0.184)^2$ (5.00 m < H < 10.00 m) (UNIT:m3/sec)

H	0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
5	163.3	164.0	164.6	165.2	165.9	166.5	167.1	167.8	168.4	169.1
5.1	169.7	170.3	171.0	171.6	172.3	172.9	173.6	174.2	174.9	175.5
5.2	176.2	176.8	177.5	178.2	178.8	179.5	180.1	180.8	181.5	182.1
5.3	182.8	183.5	184.1	184.8	185.5	186.1	186.8	187.5	188.2	188.8
5.4	189.5	190.2	190.9	191.6	192.2	192.9	193.6	194.3	195.0	195.7
5.5	196.4	197.1	197.8	198.4	199.1	199.8	200.5	201.2	201.9	202.6
5.6	203.3	204.0	204.7	205.5	206.2	206.9	207.6	208.3	209.0	209.7
5.7	210.4	211.1	211.9	212.6	213.3	214.0	214.7	215.5	216.2	216.9
5.8	217.6	218.4	219.1	219.8	220.6	221.3	222.0	222.8	223.5	224.2
5.9	225.0	225.7	226.5	227.2	227.9	228.7	229.4	230.2	230.9	231.7
6	232.4	233.2	233.9	234.7	235.5	236.2	237.0	237.7	238.5	239.2
6.1	240.0	240.8	241.5	242.3	243.1	243.8	244.6	245.4	246.2	246.9
6.2	247.7	248.5	249.3	250.0	250.8	251.6	252.4	253.2	254.0	254.7
6.3	255.5	256.3	257.1	257.9	258.7	259.5	260.3	261.1	261.9	262.7
6.4	263.5	264.3	265.1	265.9	266.7	267.5	268.3	269.1	269.9	270.7
6.5	271.5	272.4	273.2	274.0	274.8	275.6	276.4	277.3	278.1	278.9
6.6	279.7	280.6	281.4	282.2	283.0	283.9	284.7	285.5	286.4	287.2
6.7	288.0	288.9	289.7	290.5	291.4	292.2	293.1	293.9	294.8	295.6
6.8	296.5	297.3	298.2	299.0	299.9	300.7	301.6	302.4	303.3	304.2
6.9	305.0	305.9	306.7	307.6	308.5	309.3	310.2	311.1	311.9	312.8
7	313.7	314.6	315.4	316.3	317.2	318.1	318.9	319.8	320.7	321.6
7.1	322.5	323.4	324.3	325.1	326.0	326.9	327.8	328.7	329.6	330.5
7.2	331.4	332.3	333.2	334.1	335.0	335.9	336.8	337.7	338.6	339.5
7.3	340.4	341.3	342.3	343.2	344.1	345.0	345.9	346.8	347.7	348.7
7.4	349.6	350.5	351.4	352.4	353.3	354.2	355.1	356.1	357.0	357.9
7.5	358.9	359.8	360.7	361.7	362.6	363.6	364.5	365.4	366.4	367.3
7.6	368.3	369.2	370.2	371.1	372.1	373.0	374.0	374.9	375.9	376.8
7.7	377.8	378.8	379.7	380.7	381.6	382.6	383.6	384.5	385.5	386.5
7.8	387.4	388.4	389.4	390.4	391.3	392.3	393.3	394.3	395.2	396.2
7.9	397.2	398.2	399.2	400.2	401.1	402.1	403.1	404.1	405.1	406.1
8	407.1	408.1	409.1	410.1	411.1	412.1	413.1	414.1	415.1	416.1
8.1	417.1	418.1	419.1	420.1	421.1	422.2	423.2	424.2	425.2	426.2
8.2	427.2	428.3	429.3	430.3	431.3	432.3	433.4	434.4	435.4	436.5
8.3	437.5	438.5	439.5	440.6	441.6	442.7	443.7	444.7	445.8	446.8
8.4	447.9	448.9	449.9	451.0	452.0	453.1	454.1	455.2	456.2	457.3
8.5	458.4	459.4	460.5	461.5	462.6	463.6	464.7	465.8	466.8	467.9
8.6	469.0	470.0	471.1	472.2	473.3	474.3	475.4	476.5	477.6	478.6
8.7	479.7	480.8	481.9	483.0	484.0	485.1	486.2	487.3	488.4	489.5
8.8	490.6	491.7	492.8	493.9	494.9	496.0	497.1	498.2	499.3	500.4
8.9	501.6	502.7	503.8	504.9	506.0	507.1	508.2	509.3	510.4	511.5
9	512.7	513.8	514.9	516.0	517.1	518.3	519.4	520.5	521.6	522.8
9.1	523.9	525.0	526.1	527.3	528.4	529.5	530.7	531.8	532.9	534.1
9.2	535.2	536.4	537.5	538.7	539.8	540.9	542.1	543.2	544.4	545.5
9.3	546.7	547.8	549.0	550.2	551.3	552.5	553.6	554.8	556.0	557.1
9.4	558.3	559.4	560.6	561.8	563.0	564.1	565.3	566.5	567.6	568.8
9.5	570.0	571.2	572.4	573.5	574.7	575.9	577.1	578.3	579.5	580.6
9.6	581.8	583.0	584.2	585.4	586.6	587.8	589.0	590.2	591.4	592.6
9.7	593.8	595.0	596.2	597.4	598.6	599.8	601.0	602.2	603.4	604.6
9.8	605.9	607.1	608.3	609.5	610.7	611.9	613.2	614.4	615.6	616.8
9.9	618.1	619.3	620.5	621.7	623.0	624.2	625.4	626.7	627.9	629.1

H-Q Table

HYD./STATION : 4-200 MPATAMATO

DISCHARGE RATING CURVE $7.269*(H+0.676)^2$ (0.00 m < H < 5.00 m)

(UNIT:m3/sec)

H	0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.2	4.3
0.1	4.4	4.5	4.6	4.7	4.8	5.0	5.1	5.2	5.3	5.5
0.2	5.6	5.7	5.8	6.0	6.1	6.2	6.4	6.5	6.6	6.8
0.3	6.9	7.1	7.2	7.4	7.5	7.7	7.8	8.0	8.1	8.3
0.4	8.4	8.6	8.7	8.9	9.1	9.2	9.4	9.5	9.7	9.9
0.5	10.1	10.2	10.4	10.6	10.7	10.9	11.1	11.3	11.5	11.7
0.6	11.8	12.0	12.2	12.4	12.6	12.8	13.0	13.2	13.4	13.6
0.7	13.8	14.0	14.2	14.4	14.6	14.8	15.0	15.2	15.4	15.6
0.8	15.8	16.1	16.3	16.5	16.7	16.9	17.1	17.4	17.6	17.8
0.9	18.1	18.3	18.5	18.7	19.0	19.2	19.5	19.7	19.9	20.2
1	20.4	20.7	20.9	21.2	21.4	21.7	21.9	22.2	22.4	22.7
1.1	22.9	23.2	23.4	23.7	24.0	24.2	24.5	24.8	25.0	25.3
1.2	25.6	25.9	26.1	26.4	26.7	27.0	27.2	27.5	27.8	28.1
1.3	28.4	28.7	29.0	29.3	29.5	29.8	30.1	30.4	30.7	31.0
1.4	31.3	31.6	31.9	32.2	32.5	32.9	33.2	33.5	33.8	34.1
1.5	34.4	34.7	35.1	35.4	35.7	36.0	36.3	36.7	37.0	37.3
1.6	37.7	38.0	38.3	38.7	39.0	39.3	39.7	40.0	40.3	40.7
1.7	41.0	41.4	41.7	42.1	42.4	42.8	43.1	43.5	43.8	44.2
1.8	44.6	44.9	45.3	45.6	46.0	46.4	46.7	47.1	47.5	47.9
1.9	48.2	48.6	49.0	49.4	49.7	50.1	50.5	50.9	51.3	51.7
2	52.1	52.4	52.8	53.2	53.6	54.0	54.4	54.8	55.2	55.6
2.1	56.0	56.4	56.8	57.2	57.6	58.1	58.5	58.9	59.3	59.7
2.2	60.1	60.5	61.0	61.4	61.8	62.2	62.7	63.1	63.5	63.9
2.3	64.4	64.8	65.2	65.7	66.1	66.6	67.0	67.4	67.9	68.3
2.4	68.8	69.2	69.7	70.1	70.6	71.0	71.5	71.9	72.4	72.9
2.5	73.3	73.8	74.2	74.7	75.2	75.6	76.1	76.6	77.1	77.5
2.6	78.0	78.5	79.0	79.4	79.9	80.4	80.9	81.4	81.9	82.4
2.7	82.8	83.3	83.8	84.3	84.8	85.3	85.8	86.3	86.8	87.3
2.8	87.8	88.3	88.8	89.4	89.9	90.4	90.9	91.4	91.9	92.4
2.9	93.0	93.5	94.0	94.5	95.0	95.6	96.1	96.6	97.2	97.7
3	98.2	98.8	99.3	99.8	100.4	100.9	101.5	102.0	102.5	103.1
3.1	103.6	104.2	104.7	105.3	105.9	106.4	107.0	107.5	108.1	108.6
3.2	109.2	109.8	110.3	110.9	111.5	112.0	112.6	113.2	113.8	114.3
3.3	114.9	115.5	116.1	116.7	117.2	117.8	118.4	119.0	119.6	120.2
3.4	120.8	121.4	122.0	122.5	123.1	123.7	124.3	124.9	125.6	126.2
3.5	126.8	127.4	128.0	128.6	129.2	129.8	130.4	131.0	131.7	132.3
3.6	132.9	133.5	134.2	134.8	135.4	136.0	136.7	137.3	137.9	138.6
3.7	139.2	139.8	140.5	141.1	141.8	142.4	143.0	143.7	144.3	145.0
3.8	145.6	146.3	146.9	147.6	148.2	148.9	149.6	150.2	150.9	151.5
3.9	152.2	152.9	153.5	154.2	154.9	155.6	156.2	156.9	157.6	158.3
4	158.9	159.6	160.3	161.0	161.7	162.4	163.0	163.7	164.4	165.1
4.1	165.8	166.5	167.2	167.9	168.6	169.3	170.0	170.7	171.4	172.1
4.2	172.8	173.5	174.2	175.0	175.7	176.4	177.1	177.8	178.5	179.3
4.3	180.0	180.7	181.4	182.2	182.9	183.6	184.4	185.1	185.8	186.6
4.4	187.3	188.0	188.8	189.5	190.3	191.0	191.7	192.5	193.2	194.0
4.5	194.7	195.5	196.3	197.0	197.8	198.5	199.3	200.0	200.8	201.6
4.6	202.3	203.1	203.9	204.6	205.4	206.2	207.0	207.7	208.5	209.3
4.7	210.1	210.9	211.7	212.4	213.2	214.0	214.8	215.6	216.4	217.2
4.8	218.0	218.8	219.6	220.4	221.2	222.0	222.8	223.6	224.4	225.2
4.9	226.0	226.8	227.6	228.4	229.3	230.1	230.9	231.7	232.5	233.4

H-Q Table HYD./STATION : 4-200 MPATAMATO
DISCHARGE RATING CURVE $7.269*(H+0.676)^2$ (5.00 m < H < 10.00 m) (UNIT:m³/sec)

H	0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
5	234.2	235.0	235.8	236.7	237.5	238.3	239.2	240.0	240.8	241.7
5.1	242.5	243.4	244.2	245.0	245.9	246.7	247.6	248.4	249.3	250.1
5.2	251.0	251.8	252.7	253.5	254.4	255.3	256.1	257.0	257.9	258.7
5.3	259.6	260.5	261.3	262.2	263.1	264.0	264.8	265.7	266.6	267.5
5.4	268.4	269.2	270.1	271.0	271.9	272.8	273.7	274.6	275.5	276.4
5.5	277.3	278.2	279.1	280.0	280.9	281.8	282.7	283.6	284.5	285.4
5.6	286.3	287.2	288.1	289.1	290.0	290.9	291.8	292.7	293.7	294.6
5.7	295.5	296.4	297.4	298.3	299.2	300.2	301.1	302.0	303.0	303.9
5.8	304.9	305.8	306.7	307.7	308.6	309.6	310.5	311.5	312.4	313.4
5.9	314.3	315.3	316.3	317.2	318.2	319.1	320.1	321.1	322.0	323.0
6	324.0	324.9	325.9	326.9	327.9	328.8	329.8	330.8	331.8	332.8
6.1	333.8	334.7	335.7	336.7	337.7	338.7	339.7	340.7	341.7	342.7
6.2	343.7	344.7	345.7	346.7	347.7	348.7	349.7	350.7	351.7	352.7
6.3	353.7	354.8	355.8	356.8	357.8	358.8	359.9	360.9	361.9	362.9
6.4	364.0	365.0	366.0	367.0	368.1	369.1	370.2	371.2	372.2	373.3
6.5	374.3	375.4	376.4	377.5	378.5	379.6	380.6	381.7	382.7	383.8
6.6	384.8	385.9	386.9	388.0	389.1	390.1	391.2	392.3	393.3	394.4
6.7	395.5	396.5	397.6	398.7	399.8	400.9	401.9	403.0	404.1	405.2
6.8	406.3	407.4	408.4	409.5	410.6	411.7	412.8	413.9	415.0	416.1
6.9	417.2	418.3	419.4	420.5	421.6	422.7	423.8	425.0	426.1	427.2
7	428.3	429.4	430.5	431.7	432.8	433.9	435.0	436.1	437.3	438.4
7.1	439.5	440.7	441.8	442.9	444.1	445.2	446.3	447.5	448.6	449.8
7.2	450.9	452.1	453.2	454.3	455.5	456.6	457.8	459.0	460.1	461.3
7.3	462.4	463.6	464.9	465.9	467.1	468.2	469.4	470.6	471.8	472.9
7.4	474.1	475.3	476.4	477.6	478.8	480.0	481.2	482.4	483.5	484.7
7.5	485.9	487.1	488.3	489.5	490.7	491.9	493.1	494.3	495.5	496.7
7.6	497.9	499.1	500.3	501.5	502.7	503.9	505.1	506.3	507.5	508.8
7.7	510.0	511.2	512.4	513.6	514.9	516.1	517.3	518.5	519.8	521.0
7.8	522.2	523.5	524.7	525.9	527.2	528.4	529.6	530.9	532.1	533.4
7.9	534.6	535.9	537.1	538.4	539.6	540.9	542.1	543.4	544.6	545.9
8	547.2	548.4	549.7	550.9	552.2	553.5	554.8	556.0	557.3	558.6
8.1	559.8	561.1	562.4	563.7	565.0	566.2	567.5	568.8	570.1	571.4
8.2	572.7	574.0	575.3	576.6	577.8	579.1	580.4	581.7	583.0	584.3
8.3	585.7	587.0	588.3	589.6	590.9	592.2	593.5	594.8	596.1	597.5
8.4	598.8	600.1	601.4	602.7	604.1	605.4	606.7	608.0	609.4	610.7
8.5	612.0	613.4	614.7	616.1	617.4	618.7	620.1	621.4	622.8	624.1
8.6	625.5	626.8	628.2	629.5	630.9	632.2	633.6	634.9	636.3	637.7
8.7	639.0	640.4	641.7	643.1	644.5	645.8	647.2	648.6	650.0	651.3
8.8	652.7	654.1	655.5	656.9	658.2	659.6	661.0	662.4	663.8	665.2
8.9	666.6	668.0	669.4	670.7	672.1	673.5	674.9	676.3	677.7	679.2
9	680.6	682.0	683.4	684.8	686.2	687.6	689.0	690.4	691.9	693.3
9.1	694.7	696.1	697.5	699.0	700.4	701.8	703.3	704.7	706.1	707.5
9.2	709.0	710.4	711.9	713.3	714.7	716.2	717.6	719.1	720.5	722.0
9.3	723.4	724.9	726.3	727.8	729.2	730.7	732.1	733.6	735.1	736.5
9.4	738.0	739.5	740.9	742.4	743.9	745.3	746.8	748.3	749.8	751.2
9.5	752.7	754.2	755.7	757.2	758.6	760.1	761.6	763.1	764.6	766.1
9.6	767.6	769.1	770.6	772.1	773.6	775.1	776.6	778.1	779.6	781.1
9.7	782.6	784.1	785.6	787.1	788.6	790.2	791.7	793.2	794.7	796.2
9.8	797.7	799.3	800.8	802.3	803.9	805.4	806.9	808.4	810.0	811.5
9.9	813.1	814.6	816.1	817.7	819.2	820.8	822.3	823.8	825.4	826.9

H-Q Table HYD./STATION : 4-280 MACHIYA FERRY
DISCHARGE RATING CURVE $10.964*(H-1.012)^2$ (0.00 m < H < 5.00 m) (UNIT:m³/sec)

H	0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
1.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3
1.2	0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.7	0.8	0.8
1.3	0.9	1.0	1.0	1.1	1.2	1.3	1.3	1.4	1.5	1.6
1.4	1.7	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5
1.5	2.6	2.7	2.8	2.9	3.1	3.2	3.3	3.4	3.5	3.7
1.6	3.8	3.9	4.1	4.2	4.3	4.5	4.6	4.7	4.9	5.0
1.7	5.2	5.3	5.5	5.7	5.8	6.0	6.1	6.3	6.5	6.6
1.8	6.8	7.0	7.2	7.3	7.5	7.7	7.9	8.1	8.3	8.5
1.9	8.6	8.8	9.0	9.2	9.4	9.6	9.9	10.1	10.3	10.5
2	10.7	10.9	11.1	11.4	11.6	11.8	12.0	12.3	12.5	12.7
2.1	13.0	13.2	13.5	13.7	14.0	14.2	14.4	14.7	15.0	15.2
2.2	15.5	15.7	16.0	16.3	16.5	16.8	17.1	17.4	17.6	17.9
2.3	18.2	18.5	18.8	19.0	19.3	19.6	19.9	20.2	20.5	20.8
2.4	21.1	21.4	21.7	22.0	22.4	22.7	23.0	23.3	23.6	24.0
2.5	24.3	24.6	24.9	25.3	25.6	25.9	26.3	26.6	27.0	27.3
2.6	27.6	28.0	28.3	28.7	29.1	29.4	29.8	30.1	30.5	30.9
2.7	31.2	31.6	32.0	32.4	32.7	33.1	33.5	33.9	34.3	34.7
2.8	35.1	35.4	35.8	36.2	36.6	37.0	37.4	37.8	38.3	38.7
2.9	39.1	39.5	39.9	40.3	40.8	41.2	41.6	42.0	42.5	42.9
3	43.3	43.8	44.2	44.6	45.1	45.5	46.0	46.4	46.9	47.3
3.1	47.8	48.3	48.7	49.2	49.6	50.1	50.6	51.1	51.5	52.0
3.2	52.5	53.0	53.5	53.9	54.4	54.9	55.4	55.9	56.4	56.9
3.3	57.4	57.9	58.4	58.9	59.4	59.9	60.4	61.0	61.5	62.0
3.4	62.5	63.0	63.6	64.1	64.6	65.2	65.7	66.2	66.8	67.3
3.5	67.9	68.4	69.0	69.5	70.1	70.6	71.2	71.7	72.3	72.9
3.6	73.4	74.0	74.6	75.1	75.7	76.3	76.9	77.5	78.0	78.6
3.7	79.2	79.8	80.4	81.0	81.6	82.2	82.8	83.4	84.0	84.6
3.8	85.2	85.8	86.4	87.1	87.7	88.3	88.9	89.6	90.2	90.8
3.9	91.4	92.1	92.7	93.4	94.0	94.6	95.3	95.9	96.6	97.2
4	97.9	98.5	99.2	99.9	100.5	101.2	101.9	102.5	103.2	103.9
4.1	104.5	105.2	105.9	106.6	107.3	108.0	108.7	109.3	110.0	110.7
4.2	111.4	112.1	112.8	113.5	114.2	115.0	115.7	116.4	117.1	117.8
4.3	118.5	119.3	120.0	120.7	121.4	122.2	122.9	123.6	124.4	125.1
4.4	125.9	126.6	127.3	128.1	128.8	129.6	130.3	131.1	131.9	132.6
4.5	133.4	134.2	134.9	135.7	136.5	137.2	138.0	138.8	139.6	140.4
4.6	141.1	141.9	142.7	143.5	144.3	145.1	145.9	146.7	147.5	148.3
4.7	149.1	149.9	150.7	151.6	152.4	153.2	154.0	154.8	155.7	156.5
4.8	157.3	158.2	159.0	159.8	160.7	161.5	162.3	163.2	164.0	164.9
4.9	165.7	166.6	167.4	168.3	169.2	170.0	170.9	171.8	172.6	173.5

H-Q Table HYD./STATION : 4-280 MACHIYA FERRY
DISCHARGE RATING CURVE $10.964*(H-1.012)^2$ (5.00 m < H < 10.00 m) (UNIT:m3/sec)

H	0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
5	174.4	175.2	176.1	177.0	177.9	178.8	179.7	180.5	181.4	182.3
5.1	183.2	184.1	185.0	185.9	186.8	187.7	188.6	189.6	190.5	191.4
5.2	192.3	193.2	194.1	195.1	196.0	196.9	197.9	198.8	199.7	200.7
5.3	201.6	202.5	203.5	204.4	205.4	206.3	207.3	208.2	209.2	210.1
5.4	211.1	212.1	213.0	214.0	215.0	215.9	216.9	217.9	218.9	219.9
5.5	220.8	221.8	222.8	223.8	224.8	225.8	226.8	227.8	228.8	229.8
5.6	230.8	231.8	232.8	233.8	234.8	235.8	236.9	237.9	238.9	239.9
5.7	241.0	242.0	243.0	244.1	245.1	246.1	247.2	248.2	249.3	250.3
5.8	251.3	252.4	253.5	254.5	255.6	256.6	257.7	258.8	259.8	260.9
5.9	262.0	263.0	264.1	265.2	266.3	267.3	268.4	269.5	270.6	271.7
6	272.8	273.9	275.0	276.1	277.2	278.3	279.4	280.5	281.6	282.7
6.1	283.8	285.0	286.1	287.2	288.3	289.4	290.6	291.7	292.8	294.0
6.2	295.1	296.2	297.4	298.5	299.7	300.8	302.0	303.1	304.3	305.4
6.3	306.6	307.7	308.9	310.1	311.2	312.4	313.6	314.8	315.9	317.1
6.4	318.3	319.5	320.7	321.8	323.0	324.2	325.4	326.6	327.8	329.0
6.5	330.2	331.4	332.6	333.8	335.0	336.3	337.5	338.7	339.9	341.1
6.6	342.4	343.6	344.8	346.0	347.3	348.5	349.8	351.0	352.2	353.5
6.7	354.7	356.0	357.2	358.5	359.7	361.0	362.2	363.5	364.8	366.0
6.8	367.3	368.6	369.8	371.1	372.4	373.7	375.0	376.2	377.5	378.8
6.9	380.1	381.4	382.7	384.0	385.3	386.6	387.9	389.2	390.5	391.8
7	393.1	394.4	395.8	397.1	398.4	399.7	401.0	402.4	403.7	405.0
7.1	406.4	407.7	409.0	410.4	411.7	413.1	414.4	415.8	417.1	418.5
7.2	419.8	421.2	422.5	423.9	425.3	426.6	428.0	429.4	430.8	432.1
7.3	433.5	434.9	436.3	437.7	439.0	440.4	441.8	443.2	444.6	446.0
7.4	447.4	448.8	450.2	451.6	453.0	454.4	455.8	457.3	458.7	460.1
7.5	461.5	462.9	464.4	465.8	467.2	468.7	470.1	471.5	473.0	474.4
7.6	475.9	477.3	478.8	480.2	481.7	483.1	484.6	486.0	487.5	488.9
7.7	490.4	491.9	493.4	494.8	496.3	497.8	499.3	500.7	502.2	503.7
7.8	505.2	506.7	508.2	509.7	511.2	512.7	514.2	515.7	517.2	518.7
7.9	520.2	521.7	523.2	524.7	526.2	527.8	529.3	530.8	532.3	533.9
8	535.4	536.9	538.5	540.0	541.5	543.1	544.6	546.2	547.7	549.3
8.1	550.8	552.4	553.9	555.5	557.1	558.6	560.2	561.8	563.3	564.9
8.2	566.5	568.1	569.6	571.2	572.8	574.4	576.0	577.6	579.2	580.8
8.3	582.4	584.0	585.6	587.2	588.8	590.4	592.0	593.6	595.2	596.8
8.4	598.4	600.1	601.7	603.3	604.9	606.6	608.2	609.8	611.5	613.1
8.5	614.8	616.4	618.0	619.7	621.3	623.0	624.6	626.3	628.0	629.6
8.6	631.3	632.9	634.6	636.3	638.0	639.6	641.3	643.0	644.7	646.3
8.7	648.0	649.7	651.4	653.1	654.8	656.5	658.2	659.9	661.6	663.3
8.8	665.0	666.7	668.4	670.1	671.8	673.6	675.3	677.0	678.7	680.5
8.9	682.2	683.9	685.6	687.4	689.1	690.9	692.6	694.3	696.1	697.9
9	699.6	701.3	703.1	704.9	706.6	708.4	710.1	711.9	713.7	715.4
9.1	717.2	719.0	720.8	722.5	724.3	726.1	727.9	729.7	731.5	733.3
9.2	735.1	736.9	738.7	740.5	742.3	744.1	745.9	747.7	749.5	751.3
9.3	753.1	754.9	756.8	758.6	760.4	762.2	764.1	765.9	767.7	769.6
9.4	771.4	773.3	775.1	776.9	778.8	780.6	782.5	784.3	786.2	788.1
9.5	789.9	791.8	793.6	795.5	797.4	799.2	801.1	803.0	804.9	806.8
9.6	808.6	810.5	812.4	814.3	816.2	818.1	820.0	821.9	823.8	825.7
9.7	827.6	829.5	831.4	833.3	835.2	837.1	839.0	841.0	842.9	844.8
9.8	846.7	848.7	850.6	852.5	854.5	856.4	858.3	860.3	862.2	864.2
9.9	866.1	868.1	870.0	872.0	873.9	875.9	877.9	879.8	881.8	883.7

H-Q Table

HYD./STATION : 4-350 CHILENGA

DISCHARGE RATING CURVE $8.771*(H+0.439)^2$ (H < 5.134 m)

(UNIT:m3/sec)

 $40.036*(H-2.525)^2$ (H >= 5.134 m)

H	0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0	1.7	1.8	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5
0.1	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.3	3.4	3.5
0.2	3.6	3.7	3.8	3.9	4.0	4.2	4.3	4.4	4.5	4.7
0.3	4.8	4.9	5.1	5.2	5.3	5.5	5.6	5.7	5.9	6.0
0.4	6.2	6.3	6.5	6.6	6.8	6.9	7.1	7.2	7.4	7.6
0.5	7.7	7.9	8.1	8.2	8.4	8.6	8.8	8.9	9.1	9.3
0.6	9.5	9.7	9.8	10.0	10.2	10.4	10.6	10.8	11.0	11.2
0.7	11.4	11.6	11.8	12.0	12.2	12.4	12.6	12.8	13.0	13.2
0.8	13.5	13.7	13.9	14.1	14.3	14.6	14.8	15.0	15.3	15.5
0.9	15.7	16.0	16.2	16.4	16.7	16.9	17.2	17.4	17.7	17.9
1	18.2	18.4	18.7	18.9	19.2	19.4	19.7	20.0	20.2	20.5
1.1	20.8	21.0	21.3	21.6	21.9	22.1	22.4	22.7	23.0	23.3
1.2	23.6	23.9	24.1	24.4	24.7	25.0	25.3	25.6	25.9	26.2
1.3	26.5	26.8	27.1	27.4	27.8	28.1	28.4	28.7	29.0	29.3
1.4	29.7	30.0	30.3	30.6	31.0	31.3	31.6	32.0	32.3	32.6
1.5	33.0	33.3	33.7	34.0	34.4	34.7	35.0	35.4	35.8	36.1
1.6	36.5	36.8	37.2	37.5	37.9	38.3	38.6	39.0	39.4	39.8
1.7	40.1	40.5	40.9	41.3	41.6	42.0	42.4	42.8	43.2	43.6
1.8	44.0	44.4	44.8	45.2	45.6	46.0	46.4	46.8	47.2	47.6
1.9	48.0	48.4	48.8	49.2	49.6	50.1	50.5	50.9	51.3	51.7
2	52.2	52.6	53.0	53.5	53.9	54.3	54.8	55.2	55.7	56.1
2.1	56.5	57.0	57.4	57.9	58.3	58.8	59.2	59.7	60.2	60.6
2.2	61.1	61.5	62.0	62.5	62.9	63.4	63.9	64.4	64.8	65.3
2.3	65.8	66.3	66.8	67.3	67.7	68.2	68.7	69.2	69.7	70.2
2.4	70.7	71.2	71.7	72.2	72.7	73.2	73.7	74.2	74.7	75.2
2.5	75.8	76.3	76.8	77.3	77.8	78.4	78.9	79.4	79.9	80.5
2.6	81.0	81.5	82.1	82.6	83.2	83.7	84.2	84.8	85.3	85.9
2.7	86.4	87.0	87.5	88.1	88.6	89.2	89.8	90.3	90.9	91.5
2.8	92.0	92.6	93.2	93.7	94.3	94.9	95.5	96.0	96.6	97.2
2.9	97.8	98.4	99.0	99.6	100.1	100.7	101.3	101.9	102.5	103.1
3	103.7	104.3	104.9	105.5	106.2	106.8	107.4	108.0	108.6	109.2
3.1	109.9	110.5	111.1	111.7	112.3	113.0	113.6	114.2	114.9	115.5
3.2	116.1	116.8	117.4	118.1	118.7	119.4	120.0	120.7	121.3	122.0
3.3	122.6	123.3	123.9	124.6	125.3	125.9	126.6	127.3	127.9	128.6
3.4	129.3	129.9	130.6	131.3	132.0	132.7	133.3	134.0	134.7	135.4
3.5	136.1	136.8	137.5	138.2	138.9	139.6	140.3	141.0	141.7	142.4
3.6	143.1	143.8	144.5	145.2	145.9	146.7	147.4	148.1	148.8	149.5
3.7	150.3	151.0	151.7	152.4	153.2	153.9	154.6	155.4	156.1	156.9
3.8	157.6	158.4	159.1	159.8	160.6	161.3	162.1	162.9	163.6	164.4
3.9	165.1	165.9	166.7	167.4	168.2	169.0	169.7	170.5	171.3	172.1
4	172.8	173.6	174.4	175.2	176.0	176.7	177.5	178.3	179.1	179.9
4.1	180.7	181.5	182.3	183.1	183.9	184.7	185.5	186.3	187.1	187.9
4.2	188.8	189.6	190.4	191.2	192.0	192.8	193.7	194.5	195.3	196.1
4.3	197.0	197.8	198.6	199.5	200.3	201.2	202.0	202.8	203.7	204.5
4.4	205.4	206.2	207.1	207.9	208.8	209.6	210.5	211.4	212.2	213.1
4.5	214.0	214.8	215.7	216.6	217.4	218.3	219.2	220.1	220.9	221.8
4.6	222.7	223.6	224.5	225.4	226.3	227.2	228.0	228.9	229.8	230.7
4.7	231.6	232.5	233.4	234.3	235.3	236.2	237.1	238.0	238.9	239.8
4.8	240.7	241.7	242.6	243.5	244.4	245.4	246.3	247.2	248.1	249.1
4.9	250.0	251.0	251.9	252.8	253.8	254.7	255.7	256.6	257.6	258.5

H-Q Table HYD./STATION : 4-350 CHILENGA
DISCHARGE RATING CURVE $8.771*(H+0.439)^2$ (H < 5.134 m) (UNIT:m3/sec)
 $40.036*(H-2.525)^2$ (H >= 5.134 m)

H	0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
5	259.5	260.4	261.4	262.3	263.3	264.3	265.2	266.2	267.2	268.1
5.1	269.1	270.1	271.0	272.0	273.8	275.9	278.0	280.1	282.2	284.3
5.2	286.5	288.6	290.9	292.9	295.1	297.3	299.5	301.7	303.9	306.1
5.3	308.3	310.5	312.8	315.0	317.3	319.5	321.8	324.1	326.3	328.6
5.4	330.9	333.2	335.5	337.9	340.2	342.5	344.9	347.2	349.6	352.0
5.5	354.3	356.7	359.1	361.5	363.9	366.4	368.8	371.2	373.7	376.1
5.6	378.6	381.0	383.5	386.0	388.5	391.0	393.5	396.0	398.5	401.0
5.7	403.6	406.1	408.7	411.3	413.8	416.4	419.0	421.6	424.2	426.8
5.8	429.4	432.0	434.7	437.3	440.0	442.6	445.3	448.0	450.6	453.3
5.9	456.0	458.7	461.5	464.2	466.9	469.6	472.4	475.1	477.9	480.7
6	483.5	486.2	489.0	491.8	494.7	497.5	500.3	503.1	506.0	508.8
6.1	511.7	514.6	517.4	520.3	523.2	526.1	529.0	531.9	534.8	537.8
6.2	540.7	543.7	546.6	549.6	552.5	555.5	558.5	561.5	564.5	567.5
6.3	570.5	573.6	576.6	579.6	582.7	585.8	588.8	591.9	595.0	598.1
6.4	601.2	604.3	607.4	610.5	613.6	616.8	619.9	623.1	626.2	629.4
6.5	632.6	635.8	639.0	642.2	645.4	648.6	651.8	655.1	658.3	661.6
6.6	664.8	668.1	671.4	674.6	677.9	681.2	684.5	687.9	691.2	694.5
6.7	697.9	701.2	704.6	707.9	711.3	714.7	718.1	721.4	724.9	728.3
6.8	731.7	735.1	738.5	742.0	745.4	748.9	752.4	755.8	759.3	762.8
6.9	766.3	769.8	773.3	776.9	780.4	783.9	787.5	791.0	794.6	798.2
7	801.7	805.3	808.9	812.5	816.1	819.8	823.4	827.0	830.7	834.3
7.1	838.0	841.6	845.3	849.0	852.7	856.4	860.1	863.8	867.5	871.3
7.2	875.0	878.8	882.5	886.3	890.0	893.8	897.6	901.4	905.2	909.0
7.3	912.8	916.7	920.5	924.4	928.2	932.1	935.9	939.8	943.7	947.6
7.4	951.5	955.4	959.3	963.2	967.2	971.1	975.0	979.0	983.0	986.9
7.5	990.9	994.9	998.9	1,002.9	1,006.9	1,010.9	1,015.0	1,019.0	1,023.0	1,027.1
7.6	1,031.2	1,035.2	1,039.3	1,043.4	1,047.5	1,051.6	1,055.7	1,059.8	1,063.9	1,068.0
7.7	1,072.2	1,076.3	1,080.5	1,084.7	1,088.8	1,093.0	1,097.2	1,101.4	1,105.6	1,109.8
7.8	1,114.0	1,118.3	1,122.5	1,126.7	1,131.0	1,135.2	1,139.5	1,143.8	1,148.1	1,152.4
7.9	1,156.7	1,161.0	1,165.3	1,169.6	1,173.9	1,178.3	1,182.6	1,187.0	1,191.4	1,195.7
8	1,200.1	1,204.5	1,208.9	1,213.3	1,217.7	1,222.1	1,226.6	1,231.0	1,235.4	1,239.9
8.1	1,244.3	1,248.8	1,253.3	1,257.8	1,262.3	1,266.8	1,271.3	1,275.8	1,280.3	1,284.8
8.2	1,289.4	1,293.9	1,298.5	1,303.1	1,307.6	1,312.2	1,316.8	1,321.4	1,326.0	1,330.6
8.3	1,335.2	1,339.9	1,344.5	1,349.1	1,353.8	1,358.4	1,363.1	1,367.8	1,372.5	1,377.2
8.4	1,381.9	1,386.6	1,391.3	1,396.0	1,400.7	1,405.5	1,410.2	1,415.0	1,419.8	1,424.5
8.5	1,429.3	1,434.1	1,438.9	1,443.7	1,448.5	1,453.3	1,458.2	1,463.0	1,467.8	1,472.7
8.6	1,477.6	1,482.4	1,487.3	1,492.2	1,497.1	1,502.0	1,506.9	1,511.8	1,516.7	1,521.7
8.7	1,526.6	1,531.5	1,536.5	1,541.5	1,546.4	1,551.4	1,556.4	1,561.4	1,566.4	1,571.4
8.8	1,576.4	1,581.5	1,586.5	1,591.6	1,596.6	1,601.7	1,606.7	1,611.8	1,616.9	1,622.0
8.9	1,627.1	1,632.2	1,637.3	1,642.4	1,647.6	1,652.7	1,657.9	1,663.0	1,668.2	1,673.4

H-Q Table HYD./STATION : 4-450 LUBUNGU
DISCHARGE RATING CURVE $31.695*(H-0.476)^2$ (0.00 m < H < 5.00 m) (UNIT:m³/sec)

H	0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.5	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.4
0.6	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.5
0.7	1.6	1.7	1.9	2.0	2.2	2.4	2.6	2.7	2.9	3.1
0.8	3.3	3.5	3.8	4.0	4.2	4.4	4.7	4.9	5.2	5.4
0.9	5.7	6.0	6.2	6.5	6.8	7.1	7.4	7.7	8.1	8.4
1	8.7	9.0	9.4	9.7	10.1	10.4	10.8	11.2	11.6	11.9
1.1	12.3	12.7	13.1	13.6	14.0	14.4	14.8	15.3	15.7	16.2
1.2	16.6	17.1	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0
1.3	21.5	22.0	22.6	23.1	23.7	24.2	24.8	25.3	25.9	26.5
1.4	27.1	27.6	28.2	28.8	29.5	30.1	30.7	31.3	31.9	32.6
1.5	33.2	33.9	34.5	35.2	35.9	36.6	37.2	37.9	38.6	39.3
1.6	40.0	40.8	41.5	42.2	42.9	43.7	44.4	45.2	45.9	46.7
1.7	47.5	48.3	49.0	49.8	50.6	51.4	52.3	53.1	53.9	54.7
1.8	55.6	56.4	57.3	58.1	59.0	59.8	60.7	61.6	62.5	63.4
1.9	64.3	65.2	66.1	67.0	67.9	68.9	69.8	70.7	71.7	72.7
2	73.6	74.6	75.6	76.5	77.5	78.5	79.5	80.5	81.5	82.6
2.1	83.6	84.6	85.7	86.7	87.8	88.8	89.9	91.0	92.0	93.1
2.2	94.2	95.3	96.4	97.5	98.6	99.7	100.9	102.0	103.1	104.3
2.3	105.4	106.6	107.8	108.9	110.1	111.3	112.5	113.7	114.9	116.1
2.4	117.3	118.6	119.8	121.0	122.3	123.5	124.8	126.0	127.3	128.6
2.5	129.8	131.1	132.4	133.7	135.0	136.3	137.7	139.0	140.3	141.6
2.6	143.0	144.3	145.7	147.1	148.4	149.8	151.2	152.6	154.0	155.4
2.7	156.8	158.2	159.6	161.0	162.5	163.9	165.3	166.8	168.3	169.7
2.8	171.2	172.7	174.1	175.6	177.1	178.6	180.1	181.7	183.2	184.7
2.9	186.2	187.8	189.3	190.9	192.4	194.0	195.6	197.1	198.7	200.3
3	201.9	203.5	205.1	206.7	208.4	210.0	211.6	213.3	214.9	216.6
3.1	218.2	219.9	221.6	223.3	224.9	226.6	228.3	230.0	231.7	233.5
3.2	235.2	236.9	238.6	240.4	242.1	243.9	245.7	247.4	249.2	251.0
3.3	252.8	254.6	256.4	258.2	260.0	261.8	263.6	265.5	267.3	269.1
3.4	271.0	272.8	274.7	276.6	278.4	280.3	282.2	284.1	286.0	287.9
3.5	289.8	291.8	293.7	295.6	297.6	299.5	301.5	303.4	305.4	307.3
3.6	309.3	311.3	313.3	315.3	317.3	319.3	321.3	323.3	325.4	327.4
3.7	329.4	331.5	333.5	335.6	337.7	339.7	341.8	343.9	346.0	348.1
3.8	350.2	352.3	354.4	356.5	358.7	360.8	363.0	365.1	367.3	369.4
3.9	371.6	373.8	375.9	378.1	380.3	382.5	384.7	386.9	389.2	391.4
4	393.6	395.8	398.1	400.3	402.6	404.9	407.1	409.4	411.7	414.0
4.1	416.3	418.6	420.9	423.2	425.5	427.8	430.2	432.5	434.8	437.2
4.2	439.6	441.9	444.3	446.7	449.0	451.4	453.8	456.2	458.6	461.1
4.3	463.5	465.9	468.3	470.8	473.2	475.7	478.1	480.6	483.1	485.5
4.4	488.0	490.5	493.0	495.5	498.0	500.5	503.1	505.6	508.1	510.7
4.5	513.2	515.8	518.3	520.9	523.5	526.1	528.6	531.2	533.8	536.4
4.6	539.0	541.7	544.3	546.9	549.6	552.2	554.8	557.5	560.2	562.8
4.7	565.5	568.2	570.9	573.6	576.3	579.0	581.7	584.4	587.1	589.9
4.8	592.6	595.3	598.1	600.9	603.6	606.4	609.2	611.9	614.7	617.5
4.9	620.3	623.1	625.9	628.8	631.6	634.4	637.3	640.1	643.0	645.8

H-Q Table HYD./STATION : 4-450 LUBUNGU
DISCHARGE RATING CURVE $31.695*(H-0.476)^2$ (5.00 m < H < 8.00 m) (UNIT:m³/sec)

H	0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
5	648.7	651.6	654.4	657.3	660.2	663.1	666.0	668.9	671.8	674.8
5.1	677.7	680.6	683.6	686.5	689.5	692.4	695.4	698.4	701.3	704.3
5.2	707.3	710.3	713.3	716.3	719.3	722.4	725.4	728.4	731.5	734.5
5.3	737.6	740.6	743.7	746.8	749.9	752.9	756.0	759.1	762.2	765.4
5.4	768.5	771.6	774.7	777.9	781.0	784.2	787.3	790.5	793.6	796.8
5.5	800.0	803.2	806.4	809.6	812.8	816.0	819.2	822.4	825.7	828.9
5.6	832.2	835.4	838.7	841.9	845.2	848.5	851.8	855.1	858.4	861.7
5.7	865.0	868.3	871.6	874.9	878.3	881.6	884.9	888.3	891.7	895.0
5.8	898.4	901.8	905.2	908.5	911.9	915.3	918.8	922.2	925.6	929.0
5.9	932.5	935.9	939.3	942.8	946.3	949.7	953.2	956.7	960.2	963.7
6	967.2	970.7	974.2	977.7	981.2	984.7	988.3	991.8	995.4	998.9
6.1	1,002.5	1,006.1	1,009.6	1,013.2	1,016.8	1,020.4	1,024.0	1,027.6	1,031.2	1,034.8
6.2	1,038.5	1,042.1	1,045.7	1,049.4	1,053.0	1,056.7	1,060.3	1,064.0	1,067.7	1,071.4
6.3	1,075.1	1,078.8	1,082.5	1,086.2	1,089.9	1,093.6	1,097.3	1,101.1	1,104.8	1,108.5
6.4	1,112.3	1,116.1	1,119.8	1,123.6	1,127.4	1,131.2	1,134.9	1,138.7	1,142.5	1,146.4
6.5	1,150.2	1,154.0	1,157.8	1,161.7	1,165.5	1,169.3	1,173.2	1,177.1	1,180.9	1,184.8
6.6	1,188.7	1,192.6	1,196.4	1,200.3	1,204.2	1,208.2	1,212.1	1,216.0	1,219.9	1,223.9
6.7	1,227.8	1,231.8	1,235.7	1,239.7	1,243.6	1,247.6	1,251.6	1,255.6	1,259.6	1,263.6
6.8	1,267.6	1,271.6	1,275.6	1,279.6	1,283.7	1,287.7	1,291.7	1,295.8	1,299.9	1,303.9
6.9	1,308.0	1,312.1	1,316.1	1,320.2	1,324.3	1,328.4	1,332.5	1,336.6	1,340.8	1,344.9
7	1,349.0	1,353.2	1,357.3	1,361.5	1,365.6	1,369.8	1,373.9	1,378.1	1,382.3	1,386.5
7.1	1,390.7	1,394.9	1,399.1	1,403.3	1,407.5	1,411.8	1,416.0	1,420.2	1,424.5	1,428.7
7.2	1,433.0	1,437.3	1,441.5	1,445.8	1,450.1	1,454.4	1,458.7	1,463.0	1,467.3	1,471.6
7.3	1,475.9	1,480.3	1,484.6	1,488.9	1,493.3	1,497.6	1,502.0	1,506.4	1,510.7	1,515.1
7.4	1,519.5	1,523.9	1,528.3	1,532.7	1,537.1	1,541.5	1,546.0	1,550.4	1,554.8	1,559.3
7.5	1,563.7	1,568.2	1,572.6	1,577.1	1,581.6	1,586.1	1,590.6	1,595.0	1,599.5	1,604.1
7.6	1,608.6	1,613.1	1,617.6	1,622.1	1,626.7	1,631.2	1,635.8	1,640.3	1,644.9	1,649.5
7.7	1,654.0	1,658.6	1,663.2	1,667.8	1,672.4	1,677.0	1,681.6	1,686.3	1,690.9	1,695.5
7.8	1,700.2	1,704.8	1,709.4	1,714.1	1,718.8	1,723.4	1,728.1	1,732.8	1,737.5	1,742.2
7.9	1,746.9	1,751.6	1,756.3	1,761.0	1,765.8	1,770.5	1,775.2	1,780.0	1,784.7	1,789.5

H-Q Table HYD./STATION : 4-560 CHIFUMPA PONTOON
DISCHARGE RATING CURVE $25.326*(H+0.562)^2$ (0.00 m < H < 5.00 m) (UNIT:m³/sec)

H	0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0	8.0	8.3	8.6	8.9	9.2	9.5	9.8	10.1	10.4	10.8
0.1	11.1	11.4	11.8	12.1	12.5	12.8	13.2	13.6	13.9	14.3
0.2	14.7	15.1	15.5	15.9	16.3	16.7	17.1	17.5	18.0	18.4
0.3	18.8	19.3	19.7	20.2	20.6	21.1	21.5	22.0	22.5	23.0
0.4	23.4	23.9	24.4	24.9	25.4	25.9	26.5	27.0	27.5	28.0
0.5	28.6	29.1	29.6	30.2	30.8	31.3	31.9	32.5	33.0	33.6
0.6	34.2	34.8	35.4	36.0	36.6	37.2	37.8	38.4	39.1	39.7
0.7	40.3	41.0	41.6	42.3	42.9	43.6	44.3	44.9	45.6	46.3
0.8	47.0	47.7	48.4	49.1	49.8	50.5	51.2	51.9	52.7	53.4
0.9	54.1	54.9	55.6	56.4	57.1	57.9	58.7	59.4	60.2	61.0
1	61.8	62.6	63.4	64.2	65.0	65.8	66.6	67.5	68.3	69.1
1.1	70.0	70.8	71.7	72.5	73.4	74.2	75.1	76.0	76.9	77.7
1.2	78.6	79.5	80.4	81.3	82.2	83.2	84.1	85.0	85.9	86.9
1.3	87.8	88.8	89.7	90.7	91.6	92.6	93.6	94.5	95.5	96.5
1.4	97.5	98.5	99.5	100.5	101.5	102.5	103.5	104.6	105.6	106.6
1.5	107.7	108.7	109.8	110.8	111.9	113.0	114.0	115.1	116.2	117.3
1.6	118.4	119.5	120.6	121.7	122.8	123.9	125.0	126.2	127.3	128.4
1.7	129.6	130.7	131.9	133.0	134.2	135.4	136.5	137.7	138.9	140.1
1.8	141.3	142.5	143.7	144.9	146.1	147.3	148.6	149.8	151.0	152.3
1.9	153.5	154.8	156.0	157.3	158.5	159.8	161.1	162.4	163.7	164.9
2	166.2	167.5	168.8	170.2	171.5	172.8	174.1	175.4	176.8	178.1
2.1	179.5	180.8	182.2	183.5	184.9	186.3	187.6	189.0	190.4	191.8
2.2	193.2	194.6	196.0	197.4	198.8	200.3	201.7	203.1	204.6	206.0
2.3	207.4	208.9	210.4	211.8	213.3	214.8	216.2	217.7	219.2	220.7
2.4	222.2	223.7	225.2	226.7	228.2	229.8	231.3	232.8	234.4	235.9
2.5	237.5	239.0	240.6	242.1	243.7	245.3	246.8	248.4	250.0	251.6
2.6	253.2	254.8	256.4	258.0	259.7	261.3	262.9	264.6	266.2	267.8
2.7	269.5	271.1	272.8	274.5	276.1	277.8	279.5	281.2	282.9	284.6
2.8	286.3	288.0	289.7	291.4	293.1	294.8	296.6	298.3	300.0	301.8
2.9	303.5	305.3	307.1	308.8	310.6	312.4	314.2	315.9	317.7	319.5
3	321.3	323.1	325.0	326.8	328.6	330.4	332.2	334.1	335.9	337.8
3.1	339.6	341.5	343.3	345.2	347.1	349.0	350.8	352.7	354.6	356.5
3.2	358.4	360.3	362.3	364.2	366.1	368.0	370.0	371.9	373.8	375.8
3.3	377.7	379.7	381.7	383.6	385.6	387.6	389.6	391.6	393.5	395.5
3.4	397.6	399.6	401.6	403.6	405.6	407.7	409.7	411.7	413.8	415.8
3.5	417.9	419.9	422.0	424.1	426.1	428.2	430.3	432.4	434.5	436.6
3.6	438.7	440.8	442.9	445.1	447.2	449.3	451.4	453.6	455.7	457.9
3.7	460.0	462.2	464.4	466.5	468.7	470.9	473.1	475.3	477.5	479.7
3.8	481.9	484.1	486.3	488.5	490.8	493.0	495.2	497.5	499.7	502.0
3.9	504.2	506.5	508.8	511.0	513.3	515.6	517.9	520.2	522.5	524.8
4	527.1	529.4	531.7	534.0	536.4	538.7	541.0	543.4	545.7	548.1
4.1	550.4	552.8	555.2	557.5	559.9	562.3	564.7	567.1	569.5	571.9
4.2	574.3	576.7	579.1	581.6	584.0	586.4	588.9	591.3	593.8	596.2
4.3	598.7	601.1	603.6	606.1	608.6	611.1	613.5	616.0	618.5	621.1
4.4	623.6	626.1	628.6	631.1	633.7	636.2	638.7	641.3	643.8	646.4
4.5	648.9	651.5	654.1	656.7	659.2	661.8	664.4	667.0	669.6	672.2
4.6	674.8	677.5	680.1	682.7	685.3	688.0	690.6	693.3	695.9	698.6
4.7	701.2	703.9	706.6	709.3	711.9	714.6	717.3	720.0	722.7	725.4
4.8	728.1	730.9	733.6	736.3	739.1	741.8	744.5	747.3	750.0	752.8
4.9	755.6	758.3	761.1	763.9	766.7	769.5	772.3	775.1	777.9	780.7

H-Q Table HYD./STATION : 4-560 CHIFUMPA PONTOON

DISCHARGE RATING CURVE $25.326*(H+0.562)^2$ (5.00 m < H < 8.00 m) (UNIT:m3/sec)

H	0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
5	783.5	786.3	789.1	792.0	794.8	797.6	800.5	803.3	806.2	809.0
5.1	811.9	814.8	817.7	820.5	823.4	826.3	829.2	832.1	835.0	837.9
5.2	840.8	843.8	846.7	849.6	852.6	855.5	858.4	861.4	864.4	867.3
5.3	870.3	873.3	876.2	879.2	882.2	885.2	888.2	891.2	894.2	897.2
5.4	900.2	903.2	906.3	909.3	912.3	915.4	918.4	921.5	924.5	927.6
5.5	930.7	933.7	936.8	939.9	943.0	946.1	949.2	952.3	955.4	958.5
5.6	961.6	964.8	967.9	971.0	974.2	977.3	980.5	983.6	986.8	989.9
5.7	993.1	996.3	999.5	1,002.6	1,005.8	1,009.0	1,012.2	1,015.4	1,018.6	1,021.9
5.8	1,025.1	1,028.3	1,031.5	1,034.8	1,038.0	1,041.2	1,044.5	1,047.8	1,051.0	1,054.3
5.9	1,057.5	1,060.8	1,064.1	1,067.4	1,070.7	1,074.0	1,077.3	1,080.6	1,083.9	1,087.2
6	1,090.5	1,093.9	1,097.2	1,100.5	1,103.9	1,107.2	1,110.6	1,113.9	1,117.3	1,120.7
6.1	1,124.0	1,127.4	1,130.8	1,134.2	1,137.6	1,141.0	1,144.4	1,147.8	1,151.2	1,154.6
6.2	1,158.0	1,161.4	1,164.9	1,168.3	1,171.8	1,175.2	1,178.7	1,182.1	1,185.6	1,189.1
6.3	1,192.5	1,196.0	1,199.5	1,203.0	1,206.5	1,210.0	1,213.5	1,217.0	1,220.5	1,224.0
6.4	1,227.5	1,231.1	1,234.6	1,238.1	1,241.7	1,245.2	1,248.8	1,252.3	1,255.9	1,259.5
6.5	1,263.1	1,266.6	1,270.2	1,273.8	1,277.4	1,281.0	1,284.6	1,288.2	1,291.8	1,295.5
6.6	1,299.1	1,302.7	1,306.3	1,310.0	1,313.6	1,317.3	1,320.9	1,324.6	1,328.3	1,331.9
6.7	1,335.6	1,339.3	1,343.0	1,346.7	1,350.4	1,354.1	1,357.8	1,361.5	1,365.2	1,368.9
6.8	1,372.6	1,376.4	1,380.1	1,383.9	1,387.6	1,391.4	1,395.1	1,398.9	1,402.6	1,406.4
6.9	1,410.2	1,414.0	1,417.8	1,421.6	1,425.3	1,429.1	1,433.0	1,436.8	1,440.6	1,444.4
7	1,448.2	1,452.1	1,455.9	1,459.8	1,463.6	1,467.5	1,471.3	1,475.2	1,479.0	1,482.9
7.1	1,486.8	1,490.7	1,494.6	1,498.5	1,502.4	1,506.3	1,510.2	1,514.1	1,518.0	1,521.9
7.2	1,525.9	1,529.8	1,533.7	1,537.7	1,541.6	1,545.6	1,549.5	1,553.5	1,557.5	1,561.4
7.3	1,565.4	1,569.4	1,573.4	1,577.4	1,581.4	1,585.4	1,589.4	1,593.4	1,597.4	1,601.5
7.4	1,605.5	1,609.5	1,613.6	1,617.6	1,621.7	1,625.7	1,629.8	1,633.9	1,637.9	1,642.0
7.5	1,646.1	1,650.2	1,654.3	1,658.4	1,662.5	1,666.6	1,670.7	1,674.8	1,678.9	1,683.0
7.6	1,687.2	1,691.3	1,695.5	1,699.6	1,703.8	1,707.9	1,712.1	1,716.2	1,720.4	1,724.6
7.7	1,728.8	1,733.0	1,737.1	1,741.3	1,745.5	1,749.8	1,754.0	1,758.2	1,762.4	1,766.6
7.8	1,770.9	1,775.1	1,779.4	1,783.6	1,787.9	1,792.1	1,796.4	1,800.6	1,804.9	1,809.2
7.9	1,813.5	1,817.8	1,822.1	1,826.4	1,830.7	1,835.0	1,839.3	1,843.6	1,847.9	1,852.3

H-Q Table HYD./STATION : 4-669 KAFUE HOOK BRIDGE
DISCHARGE RATING CURVE $110.511*(H-0.937)^{1.2}$ (0.00 m < H < 5.00 m) (UNIT:m³/sec)

H	0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3
1	0.4	0.6	0.8	1.0	1.2	1.4	1.7	2.0	2.3	2.6
1.1	2.9	3.3	3.7	4.1	4.6	5.0	5.5	6.0	6.5	7.1
1.2	7.6	8.2	8.9	9.5	10.1	10.8	11.5	12.3	13.0	13.8
1.3	14.6	15.4	16.2	17.1	17.9	18.8	19.8	20.7	21.7	22.7
1.4	23.7	24.7	25.8	26.9	28.0	29.1	30.2	31.4	32.6	33.8
1.5	35.0	36.3	37.6	38.9	40.2	41.5	42.9	44.3	45.7	47.1
1.6	48.6	50.1	51.6	53.1	54.6	56.2	57.8	59.4	61.0	62.7
1.7	64.3	66.0	67.8	69.5	71.3	73.0	74.9	76.7	78.5	80.4
1.8	82.3	84.2	86.2	88.1	90.1	92.1	94.1	96.2	98.3	100.4
1.9	102.5	104.6	106.8	109.0	111.2	113.4	115.7	117.9	120.2	122.5
2	124.9	127.2	129.6	132.0	134.4	136.9	139.4	141.9	144.4	146.9
2.1	149.5	152.1	154.7	157.3	159.9	162.6	165.3	168.0	170.7	173.5
2.2	176.3	179.1	181.9	184.8	187.6	190.5	193.4	196.4	199.3	202.3
2.3	205.3	208.3	211.4	214.4	217.5	220.6	223.8	226.9	230.1	233.3
2.4	236.5	239.8	243.0	246.3	249.6	253.0	256.3	259.7	263.1	266.5
2.5	270.0	273.4	276.9	280.4	284.0	287.5	291.1	294.7	298.3	302.0
2.6	305.6	309.3	313.0	316.8	320.5	324.3	328.1	331.9	335.7	339.6
2.7	343.5	347.4	351.3	355.3	359.3	363.2	367.3	371.3	375.4	379.5
2.8	383.6	387.7	391.8	396.0	400.2	404.4	408.7	412.9	417.2	421.5
2.9	425.8	430.2	434.6	439.0	443.4	447.8	452.3	456.8	461.3	465.8
3	470.3	474.9	479.5	484.1	488.7	493.4	498.1	502.8	507.5	512.3
3.1	517.0	521.8	526.6	531.5	536.3	541.2	546.1	551.0	556.0	561.0
3.2	565.9	571.0	576.0	581.1	586.1	591.2	596.4	601.5	606.7	611.9
3.3	617.1	622.3	627.6	632.8	638.1	643.5	648.8	654.2	659.6	665.0
3.4	670.4	675.9	681.3	686.8	692.4	697.9	703.5	709.0	714.7	720.3
3.5	725.9	731.6	737.3	743.0	748.8	754.5	760.3	766.1	772.0	777.8
3.6	783.7	789.6	795.5	801.5	807.4	813.4	819.4	825.4	831.5	837.6
3.7	843.7	849.8	855.9	862.1	868.3	874.5	880.7	886.9	893.2	899.5
3.8	905.8	912.2	918.5	924.9	931.3	937.7	944.2	950.7	957.2	963.7
3.9	970.2	976.8	983.4	990.0	996.6	1,003.2	1,009.9	1,016.6	1,023.3	1,030.1
4	1,036.8	1,043.6	1,050.4	1,057.2	1,064.1	1,070.9	1,077.8	1,084.7	1,091.7	1,098.6
4.1	1,105.6	1,112.6	1,119.6	1,126.7	1,133.8	1,140.8	1,148.0	1,155.1	1,162.2	1,169.4
4.2	1,176.6	1,183.9	1,191.1	1,198.4	1,205.7	1,213.0	1,220.3	1,227.7	1,235.0	1,242.4
4.3	1,249.9	1,257.3	1,264.8	1,272.3	1,279.8	1,287.3	1,294.8	1,302.4	1,310.0	1,317.6
4.4	1,325.3	1,333.0	1,340.6	1,348.4	1,356.1	1,363.8	1,371.6	1,379.4	1,387.2	1,395.1
4.5	1,402.9	1,410.8	1,418.7	1,426.7	1,434.6	1,442.6	1,450.6	1,458.6	1,466.6	1,474.7
4.6	1,482.8	1,490.9	1,499.0	1,507.2	1,515.3	1,523.5	1,531.8	1,540.0	1,548.3	1,556.5
4.7	1,564.9	1,573.2	1,581.5	1,589.9	1,598.3	1,606.7	1,615.2	1,623.6	1,632.1	1,640.6
4.8	1,649.1	1,657.7	1,666.3	1,674.8	1,683.5	1,692.1	1,700.8	1,709.4	1,718.1	1,726.9
4.9	1,735.6	1,744.4	1,753.2	1,762.0	1,770.8	1,779.7	1,788.6	1,797.5	1,806.4	1,815.3

H-Q Table HYD./STATION : 4-669 KAFUE HOOK BRIDGE
DISCHARGE RATING CURVE $110.511*(H-0.937)^2$ (5.00 m < H < 7.00 m) (UNIT:m³/sec)

H	0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
5	1,824.3	1,833.3	1,842.3	1,851.4	1,860.4	1,869.5	1,878.6	1,887.7	1,896.9	1,906.0
5.1	1,915.2	1,924.4	1,933.7	1,942.9	1,952.2	1,961.5	1,970.8	1,980.2	1,989.5	1,998.9
5.2	2,008.3	2,017.8	2,027.2	2,036.7	2,046.2	2,055.7	2,065.3	2,074.8	2,084.4	2,094.0
5.3	2,103.7	2,113.3	2,123.0	2,132.7	2,142.4	2,152.2	2,161.9	2,171.7	2,181.5	2,191.3
5.4	2,201.2	2,211.1	2,221.0	2,230.9	2,240.8	2,250.8	2,260.8	2,270.8	2,280.8	2,290.9
5.5	2,300.9	2,311.0	2,321.2	2,331.3	2,341.5	2,351.6	2,361.9	2,372.1	2,382.3	2,392.6
5.6	2,402.9	2,413.2	2,423.6	2,433.9	2,444.3	2,454.7	2,465.1	2,475.6	2,486.1	2,496.6
5.7	2,507.1	2,517.6	2,528.2	2,538.8	2,549.4	2,560.0	2,570.6	2,581.3	2,592.0	2,602.7
5.8	2,613.4	2,624.2	2,635.0	2,645.8	2,656.6	2,667.5	2,678.3	2,689.2	2,700.1	2,711.1
5.9	2,722.0	2,733.0	2,744.0	2,755.0	2,766.1	2,777.2	2,788.3	2,799.4	2,810.5	2,821.7
6	2,832.8	2,844.0	2,855.3	2,866.5	2,877.8	2,889.1	2,900.4	2,911.7	2,923.1	2,934.4
6.1	2,945.8	2,957.3	2,968.7	2,980.2	2,991.7	3,003.2	3,014.7	3,026.3	3,037.8	3,049.4
6.2	3,061.1	3,072.7	3,084.4	3,096.1	3,107.8	3,119.5	3,131.3	3,143.0	3,154.8	3,166.6
6.3	3,178.5	3,190.4	3,202.2	3,214.2	3,226.1	3,238.0	3,250.0	3,262.0	3,274.0	3,286.1
6.4	3,298.1	3,310.2	3,322.3	3,334.5	3,346.6	3,358.8	3,371.0	3,383.2	3,395.4	3,407.7
6.5	3,420.0	3,432.3	3,444.6	3,457.0	3,469.3	3,481.7	3,494.2	3,506.6	3,519.1	3,531.5
6.6	3,544.0	3,556.6	3,569.1	3,581.7	3,594.3	3,606.9	3,619.5	3,632.2	3,644.9	3,657.6
6.7	3,670.3	3,683.1	3,695.8	3,708.6	3,721.4	3,734.3	3,747.1	3,760.0	3,772.9	3,785.8
6.8	3,798.8	3,811.8	3,824.8	3,837.8	3,850.8	3,863.9	3,876.9	3,890.0	3,903.2	3,916.3
6.9	3,929.5	3,942.7	3,955.9	3,969.1	3,982.4	3,995.7	4,009.0	4,022.3	4,035.6	4,049.0

H-Q Table

HYD./STATION : 4-941 KALEVA DAM SITE

DISCHARGE RATING CURVE $1.780*(H-0.115)^2$ (H < 4.663 m)

(UNIT:m³/sec)

$32.948*(H-3.603)^2$ (H >= 4.663 m)

H	0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
0.4	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4
0.6	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6
0.7	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8
0.8	0.8	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.1
0.9	1.1	1.1	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.4
1	1.4	1.4	1.5	1.5	1.5	1.6	1.6	1.6	1.7	1.7
1.1	1.7	1.8	1.8	1.8	1.9	1.9	1.9	2.0	2.0	2.1
1.2	2.1	2.1	2.2	2.2	2.3	2.3	2.3	2.4	2.4	2.5
1.3	2.5	2.5	2.6	2.6	2.7	2.7	2.8	2.8	2.8	2.9
1.4	2.9	3.0	3.0	3.1	3.1	3.2	3.2	3.3	3.3	3.4
1.5	3.4	3.5	3.5	3.6	3.6	3.7	3.7	3.8	3.8	3.9
1.6	3.9	4.0	4.0	4.1	4.1	4.2	4.2	4.3	4.4	4.4
1.7	4.5	4.5	4.6	4.6	4.7	4.8	4.8	4.9	4.9	5.0
1.8	5.1	5.1	5.2	5.2	5.3	5.4	5.4	5.5	5.5	5.6
1.9	5.7	5.7	5.8	5.9	5.9	6.0	6.1	6.1	6.2	6.3
2	6.3	6.4	6.5	6.5	6.6	6.7	6.7	6.8	6.9	6.9
2.1	7.0	7.1	7.2	7.2	7.3	7.4	7.4	7.5	7.6	7.7
2.2	7.7	7.8	7.9	8.0	8.0	8.1	8.2	8.3	8.3	8.4
2.3	8.5	8.6	8.7	8.7	8.8	8.9	9.0	9.1	9.1	9.2
2.4	9.3	9.4	9.5	9.5	9.6	9.7	9.8	9.9	10.0	10.0
2.5	10.1	10.2	10.3	10.4	10.5	10.6	10.6	10.7	10.8	10.9
2.6	11.0	11.1	11.2	11.3	11.3	11.4	11.5	11.6	11.7	11.8
2.7	11.9	12.0	12.1	12.2	12.3	12.4	12.5	12.5	12.6	12.7
2.8	12.8	12.9	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7
2.9	13.8	13.9	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7
3	14.8	14.9	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.8
3.1	15.9	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8
3.2	16.9	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9
3.3	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.9	19.0	19.1
3.4	19.2	19.3	19.4	19.6	19.7	19.8	19.9	20.0	20.2	20.3
3.5	20.4	20.5	20.6	20.8	20.9	21.0	21.1	21.2	21.4	21.5
3.6	21.6	21.7	21.9	22.0	22.1	22.2	22.4	22.5	22.6	22.7
3.7	22.9	23.0	23.1	23.3	23.4	23.5	23.6	23.8	23.9	24.0
3.8	24.2	24.3	24.4	24.6	24.7	24.8	25.0	25.1	25.2	25.4
3.9	25.5	25.6	25.8	25.9	26.0	26.2	26.3	26.5	26.6	26.7
4	26.9	27.0	27.1	27.3	27.4	27.6	27.7	27.8	28.0	28.1
4.1	28.3	28.4	28.6	28.7	28.8	29.0	29.1	29.3	29.4	29.6
4.2	29.7	29.8	30.0	30.1	30.3	30.4	30.6	30.7	30.9	31.0
4.3	31.2	31.3	31.5	31.6	31.8	31.9	32.1	32.2	32.4	32.5
4.4	32.7	32.8	33.0	33.1	33.3	33.5	33.6	33.8	33.9	34.1
4.5	34.2	34.4	34.5	34.7	34.9	35.0	35.2	35.3	35.5	35.6
4.6	35.8	36.0	36.1	36.3	36.4	36.6	36.8	37.5	38.2	38.9
4.7	39.6	40.4	41.1	41.8	42.6	43.3	44.1	44.9	45.6	46.4
4.8	47.2	48.0	48.8	49.6	50.4	51.2	52.1	52.9	53.7	54.6
4.9	55.4	56.3	57.1	58.0	58.9	59.8	60.7	61.6	62.5	63.4

H-Q Table HYD./STATION : 4-941 KALEYA DAM SITE

DISCHARGE RATING CURVE $1.780*(H-0.115)^2$ ($H < 4.663$ m) (UNIT:m³/sec)

$32.948*(H-3.603)^2$ ($H \geq 4.663$ m)

H	0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
5	64.3	65.2	66.2	67.1	68.0	69.0	69.9	70.9	71.9	72.9
5.1	73.8	74.8	75.8	76.8	77.8	78.9	79.9	80.9	81.9	83.0
5.2	84.0	85.1	86.1	87.2	88.3	89.4	90.5	91.6	92.7	93.8
5.3	94.9	96.0	97.1	98.3	99.4	100.6	101.7	102.9	104.0	105.2
5.4	106.4	107.6	108.8	110.0	111.2	112.4	113.6	114.8	116.1	117.3
5.5	118.6	119.8	121.1	122.3	123.6	124.9	126.2	127.5	128.8	130.1
5.6	131.4	132.7	134.0	135.4	136.7	138.1	139.4	140.8	142.1	143.5
5.7	144.9	146.3	147.7	149.1	150.5	151.9	153.3	154.7	156.2	157.6
5.8	159.0	160.5	161.9	163.4	164.9	166.4	167.8	169.3	170.8	172.3
5.9	173.8	175.4	176.9	178.4	179.9	181.5	183.0	184.6	186.2	187.7
6	189.3	190.9	192.5	194.1	195.7	197.3	198.9	200.5	202.2	203.8
6.1	205.4	207.1	208.7	210.4	212.1	213.7	215.4	217.1	218.8	220.5
6.2	222.2	223.9	225.7	227.4	229.1	230.9	232.6	234.4	236.1	237.9
6.3	239.7	241.4	243.2	245.0	246.8	248.6	250.4	252.3	254.1	255.9
6.4	257.8	259.6	261.5	263.3	265.2	267.1	268.9	270.8	272.7	274.6
6.5	276.5	278.4	280.4	282.3	284.2	286.1	288.1	290.0	292.0	294.0
6.6	295.9	297.9	299.9	301.9	303.9	305.9	307.9	309.9	311.9	314.0
6.7	316.0	318.1	320.1	322.2	324.2	326.3	328.4	330.5	332.6	334.7
6.8	336.8	338.9	341.0	343.1	345.2	347.4	349.5	351.7	353.8	356.0
6.9	358.2	360.3	362.5	364.7	366.9	369.1	371.3	373.5	375.7	378.0
7	380.2	382.4	384.7	387.0	389.2	391.5	393.8	396.0	398.3	400.6
7.1	402.9	405.2	407.5	409.9	412.2	414.5	416.9	419.2	421.6	423.9
7.2	426.3	428.7	431.0	433.4	435.8	438.2	440.6	443.0	445.5	447.9
7.3	450.3	452.8	455.2	457.7	460.1	462.6	465.1	467.5	470.0	472.5
7.4	475.0	477.5	480.0	482.6	485.1	487.6	490.1	492.7	495.2	497.8
7.5	500.4	502.9	505.5	508.1	510.7	513.3	515.9	518.5	521.1	523.7
7.6	526.4	529.0	531.7	534.3	537.0	539.6	542.3	545.0	547.7	550.3
7.7	553.0	555.7	558.5	561.2	563.9	566.6	569.4	572.1	574.9	577.6
7.8	580.4	583.1	585.9	588.7	591.5	594.3	597.1	599.9	602.7	605.5
7.9	608.4	611.2	614.0	616.9	619.7	622.6	625.5	628.3	631.2	634.1

H-Q Table HYD./STATION : 4-958 URUAFF FARM
DISCHARGE RATING CURVE $8.421*(H-0.009)^2$ (0.00 m < H < 5.00 m) (UNIT:m³/sec)

H :	0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0 :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
0.1 :	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3
0.2 :	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.6	0.6	0.7
0.3 :	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1	1.2	1.2
0.4 :	1.3	1.4	1.4	1.5	1.6	1.6	1.7	1.8	1.9	1.9
0.5 :	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.7	2.8
0.6 :	2.9	3.0	3.1	3.2	3.4	3.5	3.6	3.7	3.8	3.9
0.7 :	4.0	4.1	4.3	4.4	4.5	4.6	4.7	4.9	5.0	5.1
0.8 :	5.3	5.4	5.5	5.7	5.8	6.0	6.1	6.2	6.4	6.5
0.9 :	6.7	6.8	7.0	7.1	7.3	7.5	7.6	7.8	7.9	8.1
1 :	8.3	8.4	8.6	8.8	9.0	9.1	9.3	9.5	9.7	9.8
1.1 :	10.0	10.2	10.4	10.6	10.8	11.0	11.2	11.4	11.5	11.7
1.2 :	11.9	12.1	12.3	12.6	12.8	13.0	13.2	13.4	13.6	13.8
1.3 :	14.0	14.3	14.5	14.7	14.9	15.1	15.4	15.6	15.8	16.1
1.4 :	16.3	16.5	16.8	17.0	17.2	17.5	17.7	18.0	18.2	18.5
1.5 :	18.7	19.0	19.2	19.5	19.7	20.0	20.3	20.5	20.8	21.0
1.6 :	21.3	21.6	21.9	22.1	22.4	22.7	23.0	23.2	23.5	23.8
1.7 :	24.1	24.4	24.7	24.9	25.2	25.5	25.8	26.1	26.4	26.7
1.8 :	27.0	27.3	27.6	27.9	28.2	28.5	28.9	29.2	29.5	29.8
1.9 :	30.1	30.4	30.8	31.1	31.4	31.7	32.1	32.4	32.7	33.0
2 :	33.4	33.7	34.1	34.4	34.7	35.1	35.4	35.8	36.1	36.5
2.1 :	36.8	37.2	37.5	37.9	38.2	38.6	39.0	39.3	39.7	40.1
2.2 :	40.4	40.8	41.2	41.5	41.9	42.3	42.7	43.0	43.4	43.8
2.3 :	44.2	44.6	45.0	45.4	45.8	46.1	46.5	46.9	47.3	47.7
2.4 :	48.1	48.5	49.0	49.4	49.8	50.2	50.6	51.0	51.4	51.8
2.5 :	52.3	52.7	53.1	53.5	53.9	54.4	54.8	55.2	55.7	56.1
2.6 :	56.5	57.0	57.4	57.8	58.3	58.7	59.2	59.6	60.1	60.5
2.7 :	61.0	61.4	61.9	62.3	62.8	63.3	63.7	64.2	64.7	65.1
2.8 :	65.6	66.1	66.5	67.0	67.5	68.0	68.4	68.9	69.4	69.9
2.9 :	70.4	70.9	71.4	71.9	72.3	72.8	73.3	73.8	74.3	74.8
3 :	75.3	75.8	76.3	76.9	77.4	77.9	78.4	78.9	79.4	79.9
3.1 :	80.5	81.0	81.5	82.0	82.6	83.1	83.6	84.1	84.7	85.2
3.2 :	85.7	86.3	86.8	87.4	87.9	88.5	89.0	89.5	90.1	90.7
3.3 :	91.2	91.8	92.3	92.9	93.4	94.0	94.6	95.1	95.7	96.3
3.4 :	96.9	97.4	98.0	98.6	99.1	99.7	100.3	100.9	101.5	102.0
3.5 :	102.6	103.2	103.8	104.4	105.0	105.6	106.2	106.8	107.4	108.0
3.6 :	108.6	109.2	109.8	110.4	111.0	111.6	112.3	112.9	113.5	114.1
3.7 :	114.7	115.3	116.0	116.6	117.2	117.9	118.5	119.1	119.8	120.4
3.8 :	121.0	121.7	122.3	122.9	123.6	124.2	124.9	125.5	126.2	126.8
3.9 :	127.5	128.1	128.8	129.5	130.1	130.8	131.5	132.1	132.8	133.5
4 :	134.1	134.8	135.5	136.2	136.8	137.5	138.2	138.9	139.6	140.2
4.1 :	140.9	141.6	142.3	143.0	143.7	144.4	145.1	145.8	146.5	147.2
4.2 :	147.9	148.6	149.3	150.0	150.7	151.5	152.2	152.9	153.6	154.3
4.3 :	155.1	155.8	156.5	157.2	158.0	158.7	159.4	160.2	160.9	161.6
4.4 :	162.4	163.1	163.8	164.6	165.3	166.1	166.8	167.6	168.3	169.1
4.5 :	169.8	170.6	171.4	172.1	172.9	173.6	174.4	175.2	175.9	176.7
4.6 :	177.5	178.3	179.0	179.8	180.6	181.4	182.2	182.9	183.7	184.5
4.7 :	185.3	186.1	186.9	187.7	188.5	189.3	190.1	190.9	191.7	192.5
4.8 :	193.3	194.1	194.9	195.7	196.5	197.3	198.2	199.0	199.8	200.6
4.9 :	201.4	202.3	203.1	203.9	204.8	205.6	206.4	207.3	208.1	208.9

H-Q Table HYD./STATION : 4-958 URUAFF FARM
DISCHARGE RATING CURVE $8.421*(H-0.009)^2$ (5.00 m < H < 8.00 m) (UNIT:m3/sec)

H	0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
5	209.8	210.6	211.5	212.3	213.1	214.0	214.8	215.7	216.5	217.4
5.1	218.3	219.1	220.0	220.8	221.7	222.6	223.4	224.3	225.2	226.0
5.2	226.9	227.8	228.7	229.5	230.4	231.3	232.2	233.1	234.0	234.9
5.3	235.7	236.6	237.5	238.4	239.3	240.2	241.1	242.0	242.9	243.8
5.4	244.7	245.6	246.6	247.5	248.4	249.3	250.2	251.1	252.1	253.0
5.5	253.9	254.8	255.8	256.7	257.6	258.5	259.5	260.4	261.4	262.3
5.6	263.2	264.2	265.1	266.1	267.0	268.0	268.9	269.9	270.8	271.8
5.7	272.7	273.7	274.7	275.6	276.6	277.5	278.5	279.5	280.5	281.4
5.8	282.4	283.4	284.4	285.3	286.3	287.3	288.3	289.3	290.3	291.3
5.9	292.2	293.2	294.2	295.2	296.2	297.2	298.2	299.2	300.2	301.2
6	302.2	303.3	304.3	305.3	306.3	307.3	308.3	309.4	310.4	311.4
6.1	312.4	313.4	314.5	315.5	316.5	317.6	318.6	319.6	320.7	321.7
6.2	322.8	323.8	324.9	325.9	326.9	328.0	329.1	330.1	331.2	332.2
6.3	333.3	334.3	335.4	336.5	337.5	338.6	339.7	340.7	341.8	342.9
6.4	344.0	345.0	346.1	347.2	348.3	349.4	350.4	351.5	352.6	353.7
6.5	354.8	355.9	357.0	358.1	359.2	360.3	361.4	362.5	363.6	364.7
6.6	365.8	366.9	368.0	369.2	370.3	371.4	372.5	373.6	374.8	375.9
6.7	377.0	378.1	379.3	380.4	381.5	382.7	383.8	384.9	386.1	387.2
6.8	388.4	389.5	390.6	391.8	392.9	394.1	395.2	396.4	397.6	398.7
6.9	399.9	401.0	402.2	403.4	404.5	405.7	406.9	408.0	409.2	410.4
7	411.6	412.7	413.9	415.1	416.3	417.5	418.7	419.9	421.0	422.2
7.1	423.4	424.6	425.8	427.0	428.2	429.4	430.6	431.8	433.0	434.2
7.2	435.5	436.7	437.9	439.1	440.3	441.5	442.8	444.0	445.2	446.4
7.3	447.6	448.9	450.1	451.3	452.6	453.8	455.0	456.3	457.5	458.8
7.4	460.0	461.3	462.5	463.8	465.0	466.3	467.5	468.8	470.0	471.3
7.5	472.5	473.8	475.1	476.3	477.6	478.9	480.1	481.4	482.7	484.0
7.6	485.2	486.5	487.8	489.1	490.4	491.7	492.9	494.2	495.5	496.8
7.7	498.1	499.4	500.7	502.0	503.3	504.6	505.9	507.2	508.5	509.8
7.8	511.2	512.5	513.8	515.1	516.4	517.7	519.1	520.4	521.7	523.0
7.9	524.4	525.7	527.0	528.4	529.7	531.0	532.4	533.7	535.0	536.4

H-Q Table

HYD./STATION : 5-030 EXCHANGE FARM

DISCHARGE RATING CURVE $1.684*(H+0.084)^2$ (H < 0.720 m)

(UNIT:m³/sec)

$9.681*(H-0.386)^2$ (0.720 m <= H < 1.640 m)

$21.059*(H-0.729)^2$ (H >= 1.640 m)

H	0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4
0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.6
0.5	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.8
0.6	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1.0	1.0	1.0
0.7	1.0	1.1	1.1	1.1	1.2	1.3	1.4	1.4	1.5	1.6
0.8	1.7	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5
0.9	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5
1	3.6	3.8	3.9	4.0	4.1	4.3	4.4	4.5	4.7	4.8
1.1	4.9	5.1	5.2	5.4	5.5	5.7	5.8	6.0	6.1	6.3
1.2	6.4	6.6	6.7	6.9	7.1	7.2	7.4	7.6	7.7	7.9
1.3	8.1	8.3	8.4	8.6	8.8	9.0	9.2	9.4	9.6	9.8
1.4	10.0	10.2	10.4	10.6	10.8	11.0	11.2	11.4	11.6	11.8
1.5	12.0	12.2	12.4	12.7	12.9	13.1	13.3	13.6	13.8	14.0
1.6	14.3	14.5	14.7	15.0	17.5	17.9	18.3	18.6	19.0	19.4
1.7	19.9	20.3	20.7	21.1	21.5	22.0	22.4	22.8	23.3	23.7
1.8	24.2	24.6	25.1	25.5	26.0	26.5	26.9	27.4	27.9	28.4
1.9	28.9	29.4	29.9	30.4	30.9	31.4	31.9	32.4	33.0	33.5
2	34.0	34.6	35.1	35.6	36.2	36.7	37.3	37.9	38.4	39.0
2.1	39.6	40.2	40.7	41.3	41.9	42.5	43.1	43.7	44.3	45.0
2.2	45.6	46.2	46.8	47.4	48.1	48.7	49.4	50.0	50.7	51.3
2.3	52.0	52.6	53.3	54.0	54.7	55.3	56.0	56.7	57.4	58.1
2.4	58.8	59.5	60.2	60.9	61.7	62.4	63.1	63.8	64.6	65.3
2.5	66.1	66.8	67.6	68.3	69.1	69.8	70.6	71.4	72.2	72.9
2.6	73.7	74.5	75.3	76.1	76.9	77.7	78.5	79.3	80.2	81.0
2.7	81.8	82.6	83.5	84.3	85.2	86.0	86.9	87.7	88.6	89.5
2.8	90.3	91.2	92.1	93.0	93.8	94.7	95.6	96.5	97.4	98.3
2.9	99.3	100.2	101.1	102.0	102.9	103.9	104.8	105.8	106.7	107.7
3	108.6	109.6	110.5	111.5	112.5	113.4	114.4	115.4	116.4	117.4
3.1	118.4	119.4	120.4	121.4	122.4	123.4	124.5	125.5	126.5	127.5
3.2	128.6	129.6	130.7	131.7	132.8	133.8	134.9	136.0	137.0	138.1
3.3	139.2	140.3	141.4	142.5	143.6	144.7	145.8	146.9	148.0	149.1
3.4	150.2	151.4	152.5	153.6	154.8	155.9	157.1	158.2	159.4	160.5
3.5	161.7	162.9	164.0	165.2	166.4	167.6	168.8	170.0	171.2	172.4
3.6	173.6	174.8	176.0	177.2	178.5	179.7	180.9	182.1	183.4	184.6
3.7	185.9	187.1	188.4	189.7	190.9	192.2	193.5	194.7	196.0	197.3
3.8	198.6	199.9	201.2	202.5	203.8	205.1	206.4	207.8	209.1	210.4
3.9	211.8	213.1	214.4	215.8	217.1	218.5	219.8	221.2	222.6	223.9
4	225.3	226.7	228.1	229.5	230.9	232.3	233.7	235.1	236.5	237.9
4.1	239.3	240.7	242.2	243.6	245.0	246.5	247.9	249.3	250.8	252.3
4.2	253.7	255.2	256.6	258.1	259.6	261.1	262.6	264.1	265.5	267.0
4.3	268.5	270.1	271.6	273.1	274.6	276.1	277.6	279.2	280.7	282.3
4.4	283.8	285.3	286.9	288.5	290.0	291.6	293.1	294.7	296.3	297.9
4.5	299.5	301.1	302.7	304.3	305.9	307.5	309.1	310.7	312.3	313.9
4.6	315.6	317.2	318.8	320.5	322.1	323.8	325.4	327.1	328.7	330.4
4.7	332.1	333.8	335.4	337.1	338.8	340.5	342.2	343.9	345.6	347.3
4.8	349.0	350.7	352.4	354.2	355.9	357.6	359.4	361.1	362.9	364.6
4.9	366.4	368.1	369.9	371.7	373.4	375.2	377.0	378.8	380.6	382.3

H-Q Table

HYD./STATION : 5-940 LUANGWA BRIDGE

DISCHARGE RATING CURVE : $60.157*(H-1.003)^2$ (0.00 m < H < 5.00 m) (UNIT:m³/sec)

H	0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.4	0.5
1.1	0.6	0.7	0.8	1.0	1.1	1.3	1.5	1.7	1.9	2.1
1.2	2.3	2.6	2.8	3.1	3.4	3.7	4.0	4.3	4.6	5.0
1.3	5.3	5.7	6.0	6.4	6.8	7.2	7.7	8.1	8.6	9.0
1.4	9.5	10.0	10.5	11.0	11.5	12.0	12.6	13.1	13.7	14.3
1.5	14.9	15.5	16.1	16.7	17.3	18.0	18.7	19.3	20.0	20.7
1.6	21.4	22.2	22.9	23.6	24.4	25.2	26.0	26.8	27.6	28.4
1.7	29.2	30.1	30.9	31.8	32.7	33.6	34.5	35.4	36.3	37.3
1.8	38.2	39.2	40.2	41.1	42.1	43.2	44.2	45.2	46.3	47.3
1.9	48.4	49.5	50.6	51.7	52.8	53.9	55.1	56.3	57.4	58.6
2	59.8	61.0	62.2	63.4	64.7	65.9	67.2	68.5	69.8	71.1
2.1	72.4	73.7	75.1	76.4	77.8	79.1	80.5	81.9	83.3	84.8
2.2	86.2	87.6	89.1	90.6	92.1	93.5	95.1	96.6	98.1	99.6
2.3	101.2	102.8	104.3	105.9	107.5	109.1	110.8	112.4	114.1	115.7
2.4	117.4	119.1	120.8	122.5	124.2	126.0	127.7	129.5	131.2	133.0
2.5	134.8	136.6	138.4	140.3	142.1	144.0	145.8	147.7	149.6	151.5
2.6	153.4	155.4	157.3	159.2	161.2	163.2	165.2	167.2	169.2	171.2
2.7	173.2	175.3	177.3	179.4	181.5	183.6	185.7	187.8	190.0	192.1
2.8	194.3	196.4	198.6	200.8	203.0	205.2	207.4	209.7	211.9	214.2
2.9	216.5	218.8	221.1	223.4	225.7	228.0	230.4	232.8	235.1	237.5
3	239.9	242.3	244.7	247.2	249.6	252.1	254.5	257.0	259.5	262.0
3.1	264.5	267.1	269.6	272.2	274.7	277.3	279.9	282.5	285.1	287.7
3.2	290.4	293.0	295.7	298.4	301.0	303.7	306.4	309.2	311.9	314.6
3.3	317.4	320.2	323.0	325.7	328.6	331.4	334.2	337.0	339.9	342.8
3.4	345.6	348.5	351.4	354.3	357.3	360.2	363.2	366.1	369.1	372.1
3.5	375.1	378.1	381.1	384.1	387.2	390.3	393.3	396.4	399.5	402.6
3.6	405.7	408.9	412.0	415.2	418.3	421.5	424.7	427.9	431.1	434.3
3.7	437.6	440.8	444.1	447.4	450.6	453.9	457.3	460.6	463.9	467.3
3.8	470.6	474.0	477.4	480.8	484.2	487.6	491.0	494.5	497.9	501.4
3.9	504.9	508.4	511.9	515.4	518.9	522.5	526.0	529.6	533.1	536.7
4	540.3	543.9	547.6	551.2	554.9	558.5	562.2	565.9	569.6	573.3
4.1	577.0	580.7	584.5	588.2	592.0	595.8	599.6	603.4	607.2	611.0
4.2	614.9	618.7	622.6	626.4	630.3	634.2	638.1	642.1	646.0	650.0
4.3	653.9	657.9	661.9	665.9	669.9	673.9	677.9	682.0	686.0	690.1
4.4	694.2	698.3	702.4	706.5	710.6	714.8	718.9	723.1	727.3	731.5
4.5	735.7	739.9	744.1	748.3	752.6	756.8	761.1	765.4	769.7	774.0
4.6	778.3	782.7	787.0	791.4	795.7	800.1	804.5	808.9	813.3	817.8
4.7	822.2	826.7	831.1	835.6	840.1	844.6	849.1	853.6	858.2	862.7
4.8	867.3	871.9	876.5	881.1	885.7	890.3	894.9	899.6	904.2	908.9
4.9	913.6	918.3	923.0	927.7	932.4	937.2	941.9	946.7	951.5	956.3

H-Q Table

HYD./STATION : 5-940 LUANGWA BRIDGE

DISCHARGE RATING CURVE : $60.157*(H-1.003)^2$ (5.00 m < H < 10.00 m)

(UNIT:m³/sec)

H	0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
5	961.1	965.9	970.7	975.5	980.4	985.3	990.1	995.0	999.9	1,004.8
5.1	1,009.8	1,014.7	1,019.6	1,024.6	1,029.6	1,034.6	1,039.6	1,044.6	1,049.6	1,054.6
5.2	1,059.7	1,064.7	1,069.8	1,074.9	1,079.9	1,085.1	1,090.2	1,095.3	1,100.4	1,105.6
5.3	1,110.8	1,115.9	1,121.1	1,126.3	1,131.5	1,136.8	1,142.0	1,147.2	1,152.5	1,157.8
5.4	1,163.1	1,168.3	1,173.7	1,179.0	1,184.3	1,189.7	1,195.0	1,200.4	1,205.8	1,211.2
5.5	1,216.6	1,222.0	1,227.4	1,232.8	1,238.3	1,243.8	1,249.2	1,254.7	1,260.2	1,265.7
5.6	1,271.3	1,276.8	1,282.3	1,287.9	1,293.5	1,299.1	1,304.7	1,310.3	1,315.9	1,321.5
5.7	1,327.2	1,332.8	1,338.5	1,344.2	1,349.9	1,355.6	1,361.3	1,367.0	1,372.8	1,378.5
5.8	1,384.3	1,390.1	1,395.9	1,401.7	1,407.5	1,413.3	1,419.1	1,425.0	1,430.8	1,436.7
5.9	1,442.6	1,448.5	1,454.4	1,460.3	1,466.3	1,472.2	1,478.2	1,484.1	1,490.1	1,496.1
6	1,502.1	1,508.1	1,514.2	1,520.2	1,526.3	1,532.3	1,538.4	1,544.5	1,550.6	1,556.7
6.1	1,562.8	1,569.0	1,575.1	1,581.3	1,587.5	1,593.7	1,599.9	1,606.1	1,612.3	1,618.5
6.2	1,624.8	1,631.0	1,637.3	1,643.6	1,649.9	1,656.2	1,662.5	1,668.8	1,675.2	1,681.5
6.3	1,687.9	1,694.3	1,700.7	1,707.1	1,713.5	1,719.9	1,726.4	1,732.8	1,739.3	1,745.7
6.4	1,752.2	1,758.7	1,765.2	1,771.8	1,778.3	1,784.8	1,791.4	1,798.0	1,804.6	1,811.2
6.5	1,817.8	1,824.4	1,831.0	1,837.7	1,844.3	1,851.0	1,857.7	1,864.4	1,871.1	1,877.8
6.6	1,884.5	1,891.2	1,898.0	1,904.8	1,911.5	1,918.3	1,925.1	1,931.9	1,938.8	1,945.6
6.7	1,952.4	1,959.3	1,966.2	1,973.1	1,980.0	1,986.9	1,993.8	2,000.7	2,007.7	2,014.6
6.8	2,021.6	2,028.6	2,035.6	2,042.6	2,049.6	2,056.6	2,063.7	2,070.7	2,077.8	2,084.8
6.9	2,091.9	2,099.0	2,106.2	2,113.3	2,120.4	2,127.6	2,134.7	2,141.9	2,149.1	2,156.3
7	2,163.5	2,170.7	2,177.9	2,185.2	2,192.4	2,199.7	2,207.0	2,214.3	2,221.6	2,228.9
7.1	2,236.2	2,243.6	2,250.9	2,258.3	2,265.7	2,273.1	2,280.5	2,287.9	2,295.3	2,302.7
7.2	2,310.2	2,317.7	2,325.1	2,332.6	2,340.1	2,347.6	2,355.1	2,362.7	2,370.2	2,377.8
7.3	2,385.4	2,392.9	2,400.5	2,408.1	2,415.8	2,423.4	2,431.0	2,438.7	2,446.4	2,454.0
7.4	2,461.7	2,469.4	2,477.1	2,484.9	2,492.6	2,500.4	2,508.1	2,515.9	2,523.7	2,531.5
7.5	2,539.3	2,547.1	2,554.9	2,562.8	2,570.7	2,578.5	2,586.4	2,594.3	2,602.2	2,610.1
7.6	2,618.1	2,626.0	2,634.0	2,641.9	2,649.9	2,657.9	2,665.9	2,673.9	2,681.9	2,690.0
7.7	2,698.0	2,706.1	2,714.2	2,722.3	2,730.4	2,738.5	2,746.6	2,754.7	2,762.9	2,771.0
7.8	2,779.2	2,787.4	2,795.6	2,803.8	2,812.0	2,820.2	2,828.5	2,836.7	2,845.0	2,853.3
7.9	2,861.6	2,869.9	2,878.2	2,886.5	2,894.9	2,903.2	2,911.6	2,920.0	2,928.4	2,936.8
8	2,945.2	2,953.6	2,962.0	2,970.5	2,978.9	2,987.4	2,995.9	3,004.4	3,012.9	3,021.4
8.1	3,030.0	3,038.5	3,047.1	3,055.6	3,064.2	3,072.8	3,081.4	3,090.0	3,098.6	3,107.3
8.2	3,115.9	3,124.6	3,133.3	3,142.0	3,150.7	3,159.4	3,168.1	3,176.8	3,185.6	3,194.4
8.3	3,203.1	3,211.9	3,220.7	3,229.5	3,238.3	3,247.2	3,256.0	3,264.9	3,273.8	3,282.6
8.4	3,291.5	3,300.4	3,309.4	3,318.3	3,327.2	3,336.2	3,345.1	3,354.1	3,363.1	3,372.1
8.5	3,381.1	3,390.2	3,399.2	3,408.2	3,417.3	3,426.4	3,435.5	3,444.6	3,453.7	3,462.8
8.6	3,471.9	3,481.1	3,490.2	3,499.4	3,508.6	3,517.8	3,527.0	3,536.2	3,545.4	3,554.7
8.7	3,563.9	3,573.2	3,582.5	3,591.8	3,601.1	3,610.4	3,619.7	3,629.0	3,638.4	3,647.8
8.8	3,657.1	3,666.5	3,675.9	3,685.3	3,694.8	3,704.2	3,713.6	3,723.1	3,732.6	3,742.1
8.9	3,751.5	3,761.1	3,770.6	3,780.1	3,789.6	3,799.2	3,808.8	3,818.4	3,827.9	3,837.5
9	3,847.2	3,856.8	3,866.4	3,876.1	3,885.7	3,895.4	3,905.1	3,914.8	3,924.5	3,934.2
9.1	3,944.0	3,953.7	3,963.5	3,973.3	3,983.0	3,992.8	4,002.6	4,012.5	4,022.3	4,032.1
9.2	4,042.0	4,051.9	4,061.7	4,071.6	4,081.5	4,091.5	4,101.4	4,111.3	4,121.3	4,131.2
9.3	4,141.2	4,151.2	4,161.2	4,171.2	4,181.2	4,191.3	4,201.3	4,211.4	4,221.5	4,231.5
9.4	4,241.6	4,251.8	4,261.9	4,272.0	4,282.2	4,292.3	4,302.5	4,312.7	4,322.9	4,333.1
9.5	4,343.3	4,353.5	4,363.7	4,374.0	4,384.3	4,394.5	4,404.8	4,415.1	4,425.4	4,435.8
9.6	4,446.1	4,456.5	4,466.8	4,477.2	4,487.6	4,498.0	4,508.4	4,518.8	4,529.2	4,539.7
9.7	4,550.1	4,560.6	4,571.1	4,581.6	4,592.1	4,602.6	4,613.1	4,623.7	4,634.2	4,644.8
9.8	4,655.4	4,666.0	4,676.6	4,687.2	4,697.8	4,708.5	4,719.1	4,729.8	4,740.4	4,751.1
9.9	4,761.8	4,772.5	4,783.3	4,794.0	4,804.7	4,815.5	4,826.3	4,837.0	4,847.8	4,858.7

H-Q Table

HYD./STATION : 5-040 YUANCWA BRIDGE

DISCHARGE RATING CURVE : $60.157*(H-1.003)^2$ (10.00 m < H < 14.00 m)

(UNIT: m³/sec)

H	0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
10	4,869.5	4,880.3	4,891.1	4,902.0	4,912.9	4,923.7	4,934.6	4,945.5	4,956.5	4,967.4
10.1	4,978.3	4,989.3	5,000.2	5,011.2	5,022.2	5,033.2	5,044.2	5,055.2	5,066.3	5,077.3
10.2	5,088.4	5,099.4	5,110.5	5,121.6	5,132.7	5,143.8	5,155.0	5,166.1	5,177.3	5,188.4
10.3	5,199.6	5,210.8	5,222.0	5,233.2	5,244.5	5,255.7	5,267.0	5,278.2	5,289.5	5,300.8
10.4	5,312.1	5,323.4	5,334.7	5,346.1	5,357.4	5,368.8	5,380.1	5,391.5	5,402.9	5,414.3
10.5	5,425.7	5,437.2	5,448.6	5,460.1	5,471.5	5,483.0	5,494.5	5,506.0	5,517.5	5,529.1
10.6	5,540.6	5,552.2	5,563.7	5,575.3	5,586.9	5,598.5	5,610.1	5,621.7	5,633.4	5,645.0
10.7	5,656.7	5,668.3	5,680.0	5,691.7	5,703.4	5,715.2	5,726.9	5,738.6	5,750.4	5,762.2
10.8	5,773.9	5,785.7	5,797.5	5,809.4	5,821.2	5,833.0	5,844.9	5,856.7	5,868.6	5,880.5
10.9	5,892.4	5,904.3	5,916.3	5,928.2	5,940.1	5,952.1	5,964.1	5,976.1	5,988.1	6,000.1
11	6,012.1	6,024.1	6,036.2	6,048.2	6,060.3	6,072.4	6,084.5	6,096.6	6,108.7	6,120.8
11.1	6,133.0	6,145.1	6,157.3	6,169.5	6,181.7	6,193.9	6,206.1	6,218.3	6,230.5	6,242.8
11.2	6,255.1	6,267.3	6,279.6	6,291.9	6,304.2	6,316.5	6,328.9	6,341.2	6,353.6	6,366.0
11.3	6,378.3	6,390.7	6,403.1	6,415.6	6,428.0	6,440.4	6,452.9	6,465.4	6,477.8	6,490.3
11.4	6,502.8	6,515.3	6,527.9	6,540.4	6,553.0	6,565.5	6,578.1	6,590.7	6,603.3	6,615.9
11.5	6,628.5	6,641.2	6,653.8	6,666.5	6,679.1	6,691.8	6,704.5	6,717.2	6,729.9	6,742.7
11.6	6,755.4	6,768.2	6,780.9	6,793.7	6,806.5	6,819.3	6,832.1	6,845.0	6,857.8	6,870.6
11.7	6,883.5	6,896.4	6,909.3	6,922.2	6,935.1	6,948.0	6,960.9	6,973.9	6,986.9	6,999.8
11.8	7,012.8	7,025.8	7,038.8	7,051.8	7,064.9	7,077.9	7,091.0	7,104.0	7,117.1	7,130.2
11.9	7,143.3	7,156.4	7,169.6	7,182.7	7,195.9	7,209.0	7,222.2	7,235.4	7,248.6	7,261.8
12	7,275.0	7,288.3	7,301.5	7,314.8	7,328.0	7,341.3	7,354.6	7,367.9	7,381.3	7,394.6
12.1	7,407.9	7,421.3	7,434.7	7,448.0	7,461.4	7,474.8	7,488.3	7,501.7	7,515.1	7,528.6
12.2	7,542.1	7,555.5	7,569.0	7,582.5	7,596.0	7,609.6	7,623.1	7,636.6	7,650.2	7,663.8
12.3	7,677.4	7,691.0	7,704.6	7,718.2	7,731.8	7,745.5	7,759.1	7,772.8	7,786.5	7,800.2
12.4	7,813.9	7,827.6	7,841.3	7,855.1	7,868.8	7,882.6	7,896.4	7,910.2	7,924.0	7,937.8
12.5	7,951.6	7,965.5	7,979.3	7,993.2	8,007.0	8,020.9	8,034.8	8,048.7	8,062.7	8,076.6
12.6	8,090.5	8,104.5	8,118.5	8,132.5	8,146.4	8,160.5	8,174.5	8,188.5	8,202.5	8,216.6
12.7	8,230.7	8,244.7	8,258.8	8,272.9	8,287.1	8,301.2	8,315.3	8,329.5	8,343.6	8,357.8
12.8	8,372.0	8,386.2	8,400.4	8,414.6	8,428.9	8,443.1	8,457.4	8,471.7	8,485.9	8,500.2
12.9	8,514.5	8,528.9	8,543.2	8,557.5	8,571.9	8,586.3	8,600.6	8,615.0	8,629.4	8,643.8
13	8,658.3	8,672.7	8,687.2	8,701.6	8,716.1	8,730.6	8,745.1	8,759.6	8,774.1	8,788.7
13.1	8,803.2	8,817.8	8,832.4	8,846.9	8,861.5	8,876.1	8,890.8	8,905.4	8,920.0	8,934.7
13.2	8,949.4	8,964.0	8,978.7	8,993.4	9,008.2	9,022.9	9,037.6	9,052.4	9,067.1	9,081.9
13.3	9,096.7	9,111.5	9,126.3	9,141.2	9,156.0	9,170.8	9,185.7	9,200.6	9,215.5	9,230.4
13.4	9,245.3	9,260.2	9,275.1	9,290.1	9,305.0	9,320.0	9,335.0	9,350.0	9,365.0	9,380.0
13.5	9,395.0	9,410.1	9,425.1	9,440.2	9,455.3	9,470.3	9,485.5	9,500.6	9,515.7	9,530.8
13.6	9,546.0	9,561.1	9,576.3	9,591.5	9,606.7	9,621.9	9,637.1	9,652.4	9,667.6	9,682.9
13.7	9,698.1	9,713.4	9,728.7	9,744.0	9,759.3	9,774.7	9,790.0	9,805.4	9,820.7	9,836.1
13.8	9,851.5	9,866.9	9,882.3	9,897.7	9,913.2	9,928.6	9,944.1	9,959.6	9,975.1	9,990.6
13.9	10,006.1	10,021.6	10,037.1	10,052.7	10,068.2	10,083.8	10,099.4	10,115.0	10,130.6	10,146.2

CHAPTER - 7

METEOROLOGIC AND CLIMATOLOGIC DATA

List of Main Meteorological Stations in Study Area

No.	STATIONS	Lat.	Lon.	Alt.	Started Yr.
1	0500 Kabwe Met.	14/25'	28/29'	-	1932
2	2193 Lusaka Met. HQ.	15/25'	28/19'	1283m	1938
3	2375 Mount Makulu Met.	15/33'	28/15'	1213m	1951
4	2525 Magoye Met.	16/02'	27/38'	-	1946
5	2748 Mumbwa Met.	14/59'	27/04'	1067m	1904
6	3180 Kasempa Met.	13/27'	25/50'	1228m	1903
7	3570 Solwezi Met.	12/11'	26/23'	1320m	1913
8	4100 Ndola Met.	13/00'	28/40'	1269m	1913
9	4375 Kafironda Met.	12/38'	28/10'	-	1968
10	5350 Choma Met.	16/51'	27/04'	1313m	1948
11	5625 Livingstone Met.	17/50'	25/50'	1313m	1948
12	5800 Sesheke Met.	17/28'	24/18'	1021m	1919
13	5979 Senanga Met.	16/07'	23/16'	975m	1979
14	6010 Mongu Met.	15/15'	23/10'	1054m	1953
15	6210 Kaoma Met.	14/48'	24/48'	1138m	1913
16	6415 Kabompo Met.	13/36'	24/12'	-	1948
17	6525 Mwinilunga Met.	11/45'	24/26'	1355m	1921
18	6840 Zambezi Met.	13/34'	25/06'	1085m	1921

[Note]

- (1) Lat. : Latitude (S.deg/min)
- (2) Lon. : Longitude (E.deg/min)
- (3) Alt. : Altitude (meters from sea level)
- (4) Started Yr.: Started Year of Observation

LIST OF METEOROLOGICAL STATION IN ZAMBIA

LIST OF METEOROLOGICAL STATION IN ZAMBIA

NO	STATION NAME	CATCHMENT	LAT.	LONG.	FROM	TO	NO	STATION NAME	CATCHMENT	LAT.	LONG.	FROM	TO
0010	CHIKOMA	ZAMBEZI	14/02'	32/52'	1958	CONT	0534	MPIMA FOREST	LUANGWA	14/20'	28/33'	1986	1985
0019	CHIMPINGA (WA)	ZAMBEZI	13/51'	32/51'	1955	1971	0535	MPIMA	LUANGWA	14/20'	28/33'	1976	1983
0039	CHADIZA AGRIC	ZAMBEZI	14/11'	32/38'	1968	CONT	0540	MULD FARM	LUANGWA	14/19'	28/31'	1963	1971
0041	CHAMCHENGA DAM	ZAMBEZI	14/51'	32/25'	1982	CONT	0542	LEWIS FARM	LUANGWA	---	---	1984	CONT
0050	ZEMBA TOBACCO HQ	ZAMBEZI	13/59'	32/18'	1972	CONT	0549	DEVONSHIRE ESTATES (WA)	LUANGWA	14/18'	28/28'	1960	CONT
0059	KAFIRI MPOSHI	ZAMBEZI	---	---	1981	1961	0559	KAFIRI MPOSHI RAIL	LUANGWA	13/58'	29/40'	1926	CONT
0066	KATEMBE TOBACCO	ZAMBEZI	14/03'	32/19'	1970	CONT	0575	MKUSHI OLD BOMA	LUANGWA	14/22'	29/22'	1913	1984
0070	NSADZU	ZAMBEZI	14/04'	32/20'	1926	1973	0590	DIXIE FARMS	LUANGWA	13/49'	29/14'	1970	CONT
0074	CHADIZA	ZAMBEZI	14/05'	32/24'	1951	1985	0640	NKOLONGA FARM	LUANGWA	13/17'	29/36'	1952	CONT
0080	TAFELANSONI	ZAMBEZI	---	---	1984	CONT	650	CHYUNI SCHOOL	LUANGWA	14/38'	27/36'	1983	1984
0110	KATELE FOREST STATION	ZAMBEZI	14/11'	32/08'	1961	CONT	0680	LUNSEFWA FOREBAY	LUANGWA	14/30'	29/08'	1946	1984
0120	KATELE BOMA	ZAMBEZI	14/02'	32/03'	1950	CONT	0681	CHIBOMBO	LUANGWA	---	---	1983	1983
0121	KATELE (WA)	ZAMBEZI	14/02'	32/03'	1972	CONT	0688	NASHINGA	LUANGWA	14/25'	29/08'	1973	1979
0130	NYANJE AGRIC	ZAMBEZI	---	---	1984	CONT	0695	MITA HILLS PONTOON	LUANGWA	14/18'	29/07'	1966	1972
0160	NYANJE MISSION	ZAMBEZI	14/23'	31/38'	1938	1981	0700	MITA HILLS DAM	LUANGWA	14/14'	29/07'	1959	CONT
0165	CHANDOLA PLANTATION	ZAMBEZI	14/21'	31/46'	1968	1984	0717	LUNEHU	LUANGWA	14/00'	28/52'	1962	1986
0168	CHILWE PLANTATION	ZAMBEZI	14/20'	31/46'	1964	1980	0725	FARM B088	LUANGWA	13/55'	29/10'	1962	1973
0195	MWANJAWANTHU AGRIC	ZAMBEZI	14/38'	31/25'	1956	CONT	0735	MUNWA NKONSE	LUANGWA	13/44'	29/24'	1954	1970
0200	FEIRA	LUANGWA	15/37'	30/25'	1916	CONT	0750	LUNSEFWA FARMS	LUANGWA	13/59'	29/08'	1980	1982
0206	MFUKA AGRIC	LUANGWA	15/27'	30/21'	1971	1976	0775	SHEPLEY	LUANGWA	13/47'	29/05'	1959	1974
0214	RUFUNSA AGRIC	LUANGWA	15/06'	29/36'	1971	CONT	0780	MUSOFO MISSION	LUANGWA	13/32'	29/02'	1927	1971
0216	RUFUNSA RURAL COUNCIL	LUANGWA	15/06'	29/37'	1971	1974	0824	MNUSHI ETC	LUANGWA	13/38'	29/33'	1980	CONT
0220	MFANSHA MISSION	LUANGWA	15/07'	29/43'	1960	1974	0825	CHIWEFWE	LUANGWA	---	---	1926	CONT
0227	CHITOPPE AGRIC	LUANGWA	15/12'	30/14'	1971	1983	0826	MKUSHI FOREST DEPT.	LUANGWA	13/39'	29/35'	1980	CONT
0230	KATONDRE MISSION	LUANGWA	15/15'	30/15'	1925	CONT	0828	MASAUZA AGRIC	LUANGWA	13/33'	29/48'	1970	CONT
0235	SHIKABETA AGRIC	LUANGWA	14/45'	29/43'	1981	1984	0840	MKUSHI RANCH	LUANGWA	---	---	1983	CONT
0250	LUANGWA BRIDGE	LUANGWA	14/59'	30/13'	1938	CONT	0845	C.M.R. FARM	LUANGWA	---	---	1980	CONT
0255	KAPOCHE	LUANGWA	---	---	1985	CONT	0848	KEEMEE RANCH	LUANGWA	---	---	1983	CONT
0300	Z.F.D.S. EAST FOUR	LUANGWA	14/50'	29/07'	1969	1972	0849	CHALATA	LUANGWA	---	---	1983	CONT
0345	CHAMUKA AGRIC	LUANGWA	14/50'	28/39'	1981	CONT	0850	CHINGOMBE MISSION	LUANGWA	14/25'	29/57'	1925	CONT
0350	CHIPEMBI MISSION	LUANGWA	14/56'	28/35'	1924	1970	0865	FARM 3151, MKUSHI FARMS	LUANGWA	---	---	1983	1985
0354	CHIPEMBI COLLEGE	LUANGWA	14/56'	28/35'	1971	1972	0870	ZCCM KABWE MINE	LUANGWA	14/28'	28/26'	1984	1985
0360	CHILOBA	LUANGWA	14/58'	28/33'	1947	1979	0873	MASNSA	LUANGWA	---	---	1984	1985
0386	MUSWISHI AGRIC	LUANGWA	14/33'	28/39'	1972	CONT	0883	FIWILA MISSION	LUANGWA	13/58'	29/37'	1924	CONT
0420	MULUNGUSHI FOREBAY	LUANGWA	14/42'	28/51'	1926	CONT	0908	NSHINSO	LUANGWA	13/47'	29/49'	1963	1970
0425	MULUNGUSHI DAM	LUANGWA	14/41'	28/51'	1935	CONT	0949	IPILA	LUANGWA	13/05'	30/45'	1960	1980
0470	NSOBE FARM	LUANGWA	14/32'	28/19'	1977	1985	0951	LUKASASHI	LUANGWA	13/34	30/40'	1959	1969
0476	MUKONCHI TOBACCO	LUANGWA	14/15'	28/49'	1972	1985	1000	SHIWAKA FARMS	LUANGWA	---	---	1983	CONT
0478	KABWE MUNIC A	LUANGWA	14/26'	28/21'	1965	1978	1020	NYIMBA P.O.	LUANGWA	14/33'	30/50'	1959	CONT
0479	KABWE MUNIC B	LUANGWA	14/25'	28/24'	1965	1978	1021	NPEVU CAMP	LUANGWA	---	---	1981	CONT
0480	KABWE MUNIC C	LUANGWA	14/27'	28/24'	1965	1969	1022	NYIMBA	LUANGWA	14/34'	30/50'	1971	1973
0481	KABWE MUNIC D	LUANGWA	14/25'	28/22'	1965	1978	1025	HOFMEYER MISSION	LUANGWA	14/41'	30/52'	1952	1980
0488	KABWE AGRIC	LUANGWA	---	---	1972	1972	1026	CHALUBILO	LUANGWA	---	---	1984	CONT
0490	KABWE MINE	LUANGWA	14/27'	28/25'	1906	1984	1026	MINGA FOREST	LUANGWA	14/25'	31/07'	1961	1983
0492	KABWE RAIL	LUANGWA	14/27'	28/27'	1909	1985	1083	MINGA MISSION	LUANGWA	14/21'	31/09'	1927	1971
0495	KABWE (WA)	LUANGWA	14/27'	28/26'	1970	1985	1085	PETAUKE MET.	LUANGWA	14/15'	31/17'	1920	CONT
0496	CHAMCHASHI ESTATES	LUANGWA	---	---	1982	1984	1088	N. NYMPHANDE SCHEME	LUANGWA	14/14'	31/18'	1974	CONT
0500	KABWE MET OBSERVATORY	LUANGWA	14/25'	28/23'	1932	CONT	1089	MIZYU PR. SCHOOL	LUANGWA	14/15'	31/17'	1981	CONT
0525	KABWE RES STATION	LUANGWA	14/24'	28/30'	1958	CONT	1090	CHALUTA	LUANGWA	---	---	1982	1984
0533	KALWEWO ESTATES	LUANGWA	---	---	1984	CONT	1095	PETAUKE AGRIC	LUANGWA	14/20'	31/30'	1945	CONT

LIST OF METEOROLOGICAL STATION IN ZAMBIA

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NO	STATION NAME	CATCHMENT	LAT.	LONG.	FROM	TO
1165	CHIMTENGO FORREST PLANTATION	LUANGWA	14/16'	31/36'	1964	CONT
1195	MASASE (WA)	LUANGWA	31/12'	31/12'	1967	CONT
1300	MFUWE MET.	LUANGWA	13/06'	31/49'	1963	CONT
1310	MFUWE MET.	LUANGWA	13/10'	31/56'	1979	CONT
1311	LUANGWA AT MFUWE	LUANGWA			1986	CONT
1315	CHIKOWA MISSION	LUANGWA	13/24'	32/06'	1931	CONT
1343	MSORO MISSION	LUANGWA	13/37'	31/54'	1926	1973
1348	PWATA AGRIC	LUANGWA	13/38'	32/19'	1973	1984
1359	CHIKUNGU MISSION	LUANGWA	13/47'	32/14'	1956	CONT
1373	SINDA TOBACCO	LUANGWA	14/12'	31/45'	1980	CONT
1374	SINDA P.O.	LUANGWA	14/12'	31/45'	1958	1975
1399	KATEFE HOSPITAL	LUANGWA	14/08'	31/55'	1954	CONT
1400	NAPLE SCHEME	LUANGWA	13/17'	32/08'	1980	1982
1405	JUMBE EXP. CAMP	LUANGWA	13/17'	32/08'	1967	1984
1410	SUMBE	LUANGWA	13/32'	32/18'	1956	1975
1416	KALUNI FARM	LUANGWA	13/39'	32/31'	1967	1969
1418	MSEKERA	LUANGWA	13/39'	32/34'	1916	CONT
1424	NGONI FARM	LUANGWA	13/52'	32/28'	1958	1982
1426	TEREKA	LUANGWA	13/46'	32/31'	1956	1971
1428	MSIPALI NO. 2	LUANGWA	13/48'	32/32'	1951	CONT
1429	MSPAZI FOREST	LUANGWA	13/47'	32/37'	1965	CONT
1430	MTIRIZI STATE FARM	LUANGWA				
1431	SALIMA (WA)	LUANGWA	13/47'	32/35'	1956	1971
1434	MAGUYA	LUANGWA	13/50'	32/37'	1956	1971
1436	CHIPATA RURAL DAIRY	LUANGWA	13/41'	32/38'	1973	CONT
1437	LUANGWA AT MFUWE	LUANGWA			1983	CONT
1438	CHIKANDO	LUANGWA			1983	1984
1439	CHIPATA CIVIC CENTRE	LUANGWA	13/38'	32/39'	1919	CONT
1440	CHIPATA AGRIC	LUANGWA	13/39'	32/39'	1930	CONT
1441	ZOZWE	LUANGWA			1982	CONT
1443	LUNKHWKA FOREST PLANTATION	LUANGWA	13/39'	32/42'	1965	CONT
1444	CHALUBILO AGRIC	LUANGWA				
1445	CHIPATA (WA)	LUANGWA	13/39'	32/39'	1949	CONT
1455	MAMBWE AGRIC	LUANGWA			1984	CONT
1460	KALICHERO	LUANGWA	13/31'	32/27'	1952	CONT
1465	KAPARA TOBACCO SCHEME	LUANGWA	13/31'	32/32'	1928	1981
1469	SUNNYSIDE FARM	LUANGWA	13/38'	32/42'	1982	CONT
1470	CHIPATA MET.	LUANGWA	13/34'	32/35'	1948	CONT
1474	KATAPULA	LUANGWA	13/37'	32/37'	1960	CONT
1475	TIRITONGWE PR. SCHOOL	LUANGWA			1980	1983
1480	MAPALA AGRIC	LUANGWA			1982	1984
1499	CHASERA UPPER SCHOOL	LUANGWA	12/50'	32/50'	1968	CONT
1500	LUTEMBE (WA)	LUANGWA			1983	CONT
1515	CHIPANGALI	LUANGWA	13/14'	32/43'	1966	CONT
1520	CHANJE AGRIC	LUANGWA	13/27'	32/48'	1964	CONT
1522	TAMANDA MISSION	LUANGWA	13/29'	32/53'	1955	1969
1545	LUSANGAZI	LUANGWA	13/27'	31/34'	1963	1975
1572	KATIBUKA MIDDLE SCHOOL	LUANGWA	11/38'	31/44'	1953	1974
1573	KATIBUNGA MISSION	LUANGWA	11/37'	31/45'	1938	CONT
1575	KATIBUNGA AGRIC	LUANGWA	11/33'	31/47'	1974	1984
1578	LUMIMBA MISSION	LUANGWA	12/23'	32/22'	1950	1968
1630	LUNDAZI MET.	LUANGWA	12/17'	33/12'	1919	CONT
1631	LUNDAZI FTC	LUANGWA	12/19'	33/12'	1980	CONT
1642	MWASE AGRIC	LUANGWA	12/25'	33/26'	1974	CONT
1648	LUMEZI SCHEME	LUANGWA	12/17'	33/12'	1983	1984
1708	CHASEFU MISSION	LUANGWA	11/55'	33/07'	1926	1974
1711	CHIKWA MANGWERE SCHOOL	LUANGWA	11/40'	33/47'	1968	1970
1712	CHIKWA AGRIC	LUANGWA	11/40'	33/47'	1951	CONT
1731	TEMBWE	LUANGWA	11/21'	32/57'	1951	CONT
1735	CHIKWALE AGRIC	LUANGWA	10/33'	32/47'	1981	CONT
1746	KAMBUMBO	LUANGWA	11/15'	33/05'	1941	CONT
1748	CHAMA AGRIC CAMP	LUANGWA	11/14'	33/12'	1953	CONT
1749	CHAMA BOMA	LUANGWA	11/14	33/12'	1970	1980
1750	KANYELELE CAMP	LUANGWA			1982	CONT
1751	CHAMA FTC	LUANGWA			1985	CONT
1753	KATANGALIKA AGRIC	LUANGWA	10/37'	33/30'	1982	CONT
1787	NYIKA REST HOUSE	LUANGWA	10/35'	33/27'	1959	CONT
1790	MUYOBE AGRIC CAMP	LUANGWA	10/59'	32/10'	1941	CONT
1815	MUTANGA MISSION	LUANGWA	10/15'	32/40'	1959	CONT
1863	MANSALA	LUANGWA	10/17'	33/02'	1959	CONT
1870	KAMPUMBU	LUANGWA	10/23'	33/09'	1973	1985
1874	KATYETE AGRIC	LUANGWA	10/09'	33/24'	1959	CONT
1878	MULEKA TEMBO	LUANGWA	10/16'	33/22'	1971	CONT
1881	THENDERE AGRIC	LUANGWA	10/21'	33/24'	1971	1978
1883	KASEYA GOVT. SCHOOL	LUANGWA	15/28'	28/27'	1973	1975
2110	CHRISTLES FARM	ZAMBEZI	15/26'	28/20'	1980	CONT
2110	COOPERATIVE COLLEGE	ZAMBEZI	15/35'	27/53'	1922	CONT
2115	LEOPARDS HILL RANCH	ZAMBEZI	15/36	28/45'	1980	CONT
2120	GOLDEN VALLEY FARM	ZAMBEZI	15/21'	28/35'	1947	1971
2133	ELDORADO	ZAMBEZI	15/25'	28/26'	1956	CONT
2139	CHALIMBANA NO. 2 (WA)	ZAMBEZI	15/24'	28/28'	1949	CONT
2141	CHALIMBANA NO. 1 (WA)	ZAMBEZI	15/25'	28/26'	1956	CONT
2142	SEED POTATO FARM	ZAMBEZI	15/50'	31/25'	1978	CONT
2145	EXCHANGE FARM (WA)	ZAMBEZI	15/22'	28/28'	1966	CONT
2147	CHALIMBANA AGRIC	ZAMBEZI	15/22'	28/28'	1949	CONT
2150	LUSAKA INTER. AIRPORT	ZAMBEZI	15/20'	28/26'	1965	CONT
2155	PARABANA AGRIC	ZAMBEZI	15/21'	28/28'	1972	CONT
2160	CHONGWE	ZAMBEZI	15/19'	28/42'	1972	CONT
2175	KASIMI MISSION	ZAMBEZI	15/16'	28/29'	1924	CONT
2181	CHELSTONE TOWNSHIP	ZAMBEZI	15/22'	28/23'	1969	1973
2183	N.R.D.C.	ZAMBEZI	15/23'	28/23'	1973	1975
2186	UNIVERSITY	ZAMBEZI	15/22'	28/23'	1971	CONT
2187	MUNALI SEC. SCHOOL	ZAMBEZI	15/22'	28/23'	1982	CONT
2188	MPHONDU FARM	ZAMBEZI				
2193	LUSAKA MET. HQ	ZAMBEZI	15/25'	28/19'	1938	CONT
2194	SABLE ROAD KABULONGA	ZAMBEZI	15/24'	28/21'	1971	1972
2195	LUSAKA STATE HOUSE	ZAMBEZI	15/26'	28/19'	1960	CONT
2196	KABULONG BOY'S SCHOOL	ZAMBEZI	15/26'	28/20'		
2197	NGWERERE (WA)	ZAMBEZI	15/20'	28/20'	1955	CONT
2199	KAFUSHI RICE PROJECT	ZAMBEZI			1984	1985

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NO	STATION NAME	CATCHMENT	LAT.	LONG.	FROM	TO
2200	LUSAKA HYDRO HQ	ZAMBEZI	15/24'	28/16'	1958	CONT
2205	LUSAKA RAIL	ZAMBEZI	15/25'	28/17'	1917	CONT
2209	YEILDING TREE FARM	ZAMBEZI	15/23'	28/10'	1984	CONT
2215	LUSAKA WATERWORKS	ZAMBEZI	15/27'	28/19'	1967	1986
2219	CHIKUMBI AGRIC	ZAMBEZI	15/15'	28/15'	1972	CONT
2222	KANCHILINGA	ZAMBEZI	15/14'	28/23'	1927	1974
2225	TRIANGLE RANCH	ZAMBEZI	15/07'	28/20'	1980	CONT
2227	FARM 2784 - KARUSWE	ZAMBEZI	15/08'	28/21'	1980	1983
2228	KAMAILA FOREST STATION	ZAMBEZI	15/05'	28/19'	1958	CONT
2229	MARULA	ZAMBEZI	14/58'	28/26'	1971	CONT
2230	NTERENDER	ZAMBEZI	15/06'	28/26'	1971	CONT
2231	PENYAORSE	ZAMBEZI	15/10'	28/26'	1971	CONT
2232	NLAMBO	ZAMBEZI	15/12'	28/25'	1972	1975
2233	NSADZU	ZAMBEZI	15/08'	28/28'	1972	1975
2234	CHISAMBA RAIL	ZAMBEZI	14/59'	28/23'	1923	1984
2235	FARM 3693	ZAMBEZI	--	--	1983	1984
2236	LYON'S BUSH FARM	ZAMBEZI	14/59'	28/28'	1952	1975
2237	KAYANJE SECTION	ZAMBEZI	15/07'	28/29'	1973	1975
2240	CHIPEMBI FARM COLLEGE	ZAMBEZI	--	--	1983	1984
2241	CHAMUKA AGRIC	ZAMBEZI	14/50'	28/39'	1972	1984
2243	CHANGANDA 3957	ZAMBEZI	14/55'	28/25'	1980	1984
2244	KILANGWA ESTATES	ZAMBEZI	14/50'	28/30'	1980	CONT
2259	FAROWE VILLAGE	ZAMBEZI	15/57'	28/48'	1959	CONT
2262	ST. MARY'S SEC. SCHOOL	ZAMBEZI	--	--	1983	CONT
2264	NAMALUNDU GORGE	ZAMBEZI	15/49'	28/27'	1973	CONT
2265	SHANTUMBU	ZAMBEZI	--	--	1984	CONT
2266	NAMALUNDU FORGE	ZAMBEZI	15/48'	28/26'	1973	CONT
2270	CHALIMBANA	ZAMBEZI	--	--	1984	CONT
2280	CHONGWE NORTH	ZAMBEZI	--	--	1983	CONT
2287	NALUAMA AGRIC	ZAMBEZI	15/43'	28/07'	1972	1978
2295	MWAMBESI FARM	ZAMBEZI	--	--	1984	1985
2297	SHIMABALA QUARRY	KAFUE	15/39'	28/14'	1967	1971
2300	KASAKA (WA)	KAFUE	15/49'	28/13'	1949	CONT
2301	RIVERSIDE FARM	KAFUE	15/49'	28/14'	1977	CONT
2302	KAFUE SEC. SCHOOL	KAFUE	15/49'	28/14'	1974	1973
2305	KAFUE RAIL	KAFUE	15/46'	28/10'	1910	1989
2308	MONGU AGRIC	KAFUE	15/37'	28/11'	1982	1983
2345	CHIPAPA AGRIC	KAFUE	--	--	1982	CONT
2350	LILAYI FARM	KAFUE	15/03'	28/17'	1981	CONT
2352	CHILANGA FISH FARM	KAFUE	15/36'	28/17'	1948	CONT
2354	CHILANGA CEMENT	KAFUE	15/36'	28/17'	1952	CONT
2375	MOUNT MAKULU MET.	KAFUE	15/33'	28/15'	1951	CONT
2382	HEREFORD FARM	KAFUE	15/28'	28/11'	1917	1948
2382	MAKENI ESTATE	KAFUE	15/28'	28/11'	1923	CONT
2384	MAKENI TEAGLES PLOT	KAFUE	15/27'	28/13'	1969	1978
2385	MAKENI KIBBUTZ	KAFUE	15/28'	28/14'	1969	1974
2386	FARM 396A	KAFUE	15/28'	27/13'	1980	1985
2393	HONITON FARM	KAFUE	15/50'	28/00'	1938	1970
2400	KAFUE POLDER	KAFUE	15/46'	27/55'	1957	CONT
2401	CHANYANYA R. SCHEME	KAFUE	--	--	1985	CONT

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NO	STATION NAME	CATCHMENT	LAT.	LONG.	FROM	TO
2402	NAKAMBAL S. ESTATE	KAFUE	15/48'	27/48'	1972	CONT
2404	LUBOMBO SIDING (WA)	KAFUE	15/52'	27/52'	1962	CONT
2405	KUSHIYA	KAFUE	15/57'	27/52'	1936	CONT
2407	MONGA FARM	KAFUE	15/58'	27/54'	1962	1969
2410	MAZABUKA RES. STATION	KAFUE	15/50'	27/43'	1925	1970
2411	MAZABUKA TOWN COUNCIL	KAFUE	15/52'	27/46'	1976	1986
2412	MAZABUKA RAIL	KAFUE	15/52'	27/36'	1916	CONT
2413	MAZABUKA (WA)	KAFUE	15/52'	27/46'	1963	CONT
2414	OAKLANDS FARM (WA)	KAFUE	15/52'	27/45'	1963	CONT
2420	KALEYA FARM	KAFUE	15/59'	27/50'	1918	CONT
2423	SIMONGA	KAFUE	15/04'	27/59'	1922	CONT
2425	FARM 493A	KAFUE	16/02'	28/07'	1971	1973
2426	KALEYA DAM SITE (WA)	KAFUE	16/11'	28/00'	1950	1971
2428	NADEZWE	KAFUE	16/13'	28/03'	1970	1970
2432	MARTIN LUTHER SCHOOL	KAFUE	15/27'	27/49'	1971	1972
2433	SHIBUYUNJI AGRIC	KAFUE	15/24'	27/49'	1952	CONT
2435	MANO FARM	KAFUE	15/22'	27/53'	1952	1969
2440	MKULAIKWA	KAFUE	15/17'	27/45'	1962	CONT
2441	MWACHITSOMPOLA	KAFUE	15/17'	27/45'	1963	CONT
2446	KABILE S. SITE (WA)	KAFUE	15/05'	27/37'	--	--
2450	KAUNGA LWEZI SCHOOL	KAFUE	--	--	1985	1986
2454	KALOLA FARM	KAFUE	14/57'	28/05'	1972	CONT
2459	KEEMBE AGRIC	KAFUE	15/54'	27/47'	1957	CONT
2460	KEEMBE NO. 2	KAFUE	--	--	1969	1972
2462	MUSHIKILI SCHOOL	KAFUE	14/54'	27/51'	1970	1985
2464	MATERO BOY'S SCHOOL	KAFUE	15/23'	28/16'	--	--
2465	LUSAKA NORTH PLANTATION	KAFUE	15/22'	28/17'	--	--
2467	MAAMBON ROPEWAY	KAFUE	15/23'	28/19'	1969	CONT
2470	MUCHENJE AGRIC	KAFUE	15/33'	28/10'	1971	CONT
2479	KALABO ESTATE	KAFUE	15/14'	28/02	1953	CONT
2488	MSALA SABRE	KAFUE	14/53'	28/03'	1930	1972
2490	KATUBA SCHOOL	KAFUE	15/02'	28/15'	1962	1974
2505	BLUE LAGOON	KAFUE	15/11'	28/15'	1958	1978
2990	MUFUNTA POST	KAFUE	15/30'	27/25'	1952	CONT
2996	TATAYOYO	KAFUE	15/42'	25/20'	1967	1971
2998	CHUNGA CAMP	KAFUE	14/56'	25/26'	1966	1969
3000	KAFUE HOOK	KAFUE	15/05'	26/01'	1961	CONT
3140	LUSHIMBA CAMP	KAFUE	15/01'	26/00'	1953	CONT
3145	KASOMPE	KAFUE	14/15'	25/57'	1971	1972
3155	MUKANASHI SCHOOL	KAFUE	14/04'	25/39'	1967	1974
3159	KANONGO HILL	KAFUE	13/52'	25/54'	1956	1971
3170	MPUNGO PROD. SCHEME	KAFUE	13/46'	26/07'	1967	1969
3174	NKENYAUNA	KAFUE	13/36'	26/00'	1970	1985
3180	KASEMPA MET.	KAFUE	13/28'	25/58'	1958	CONT
3199	KAWANE SCHOOL	KAFUE	13/27'	25/50'	1903	CONT
3340	KASEMPA PONTOON	KAFUE	13/07'	25/58'	1956	1977
3360	KELONGWA SCHOOL	KAFUE	13/59'	26/21'	1963	CONT
3585	Z.F.D.S. WEST 3	KAFUE	13/42'	26/20'	1951	CONT
3490	MAPUNGU SCHOOL	KAFUE	13/21'	26/35'	1969	1970
			13/02'	26/50'	1960	1970

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NO	STATION NAME	CATCHMENT	LAT.	LONG.	FROM	TO
3515	Z.F.D.S. WEST 1	KAFUE	12/52'	27/06'	1969	1972
3540	MUJIMANZOVU (WA)	KAFUE	12/48'	26/32'	1963	CONT
3555	ST. FRANCIS MISSION	KAFUE	12/32'	26/31'	1953	CONT
3560	JUWUNDU S. SCHEME	KAFUE	12/25'	26/32'	1980	1985
3568	BULEVA BALIMA	KAFUE	---	---	1981	CONT
3570	SOLWEZI MET.	KAFUE	12/11'	26/23'	1913	1917
3574	KILUMBA SCHOOL	KAFUE	12/11'	26/23'	1980	CONT
3574	MUMBEZHI	KAFUE	10/15'	25/07'	1982	CONT
3575	KANSANSHI MINE	KAFUE	12/05'	26/24'	1907	CONT
3576	CHISASA AGRIC	KAFUE	---	---	1984	1985
3578	KUMALE SCHOOL	KAFUE	---	---	1984	CONT
3579	KABOMPO-SOLWEZI	KAFUE	---	---	1982	CONT
3580	CHAFUKUMA	KAFUE	12/01'	26/26'	1964	CONT
3584	SIKASUMBI	KAFUE	---	---	1983	CONT
3615	MITANDA MISSION	KAFUE	12/23'	26/16'	1950	CONT
3673	LAMBA SCHOOL	KAFUE	12/20'	26/57'	1957	1070
3690	CHIFUTSWA SCHOOL	KAFUE	12/10'	26/40'	1957	1980
3695	KAPIJA PANGA SCHOOL	KAFUE	12/17'	26/31'	1952	CONT
3700	LBUNGU PONTOON	KAFUE	12/34'	26/27'	1953	CONT
3715	MSWEBI	KAFUE	14/20'	26/57'	1950	CONT
3725	KARENDA MISSION	KAFUE	14/45'	26/53'	1956	1972
3733	LUKANGA SWAMP	KAFUE	14/40'	27/48'	1971	CONT
3740	MAKONKWA	KAFUE	14/25'	27/30'	1963	1972
3750	CHIYELNI SCHOOL	KAFUE	14/38'	27/36'	1955	CONT
3752	LITETA AGRIC	KAFUE	14/45'	28/04'	1972	1979
3755	MALAMBANYAMA SCHOOL	KAFUE	14/52'	27/42'	1955	CONT
3760	TWENTY'S VILLAGE	KAFUE	14/37'	27/57'	1962	1981
3760	CHIBOMBO	KAFUE	14/40'	28/05'	1955	1972
3772	CHIPEPO DISP.	KAFUE	14/11'	28/13'	1955	1971
3774	MPUNDE MISSION	KAFUE	14/14'	25/13'	1961	1975
3798	CHILWA ISLAND (WA)	KAFUE	14/18'	27/37'	1960	CONT
3810	CHILENGA	KAFUE	14/06'	27/24'	1963	CONT
3890	ST. MARY'S MISSION	KAFUE	12/54'	27/22'	1951	CONT
3896	KILONDU (WA)	KAFUE	13/10'	27/14'	1971	1977
3903	Z.F.D.S. WEST TWO (MACHIYA)	KAFUE	13/48'	29/29'	1960	1970
3904	MUKUBEWE AGRIC	KAFUE	13/52'	27/46'	1972	1979
3905	MUKUBEWE SCHOOL	KAFUE	13/51'	27/42'	1956	CONT
3910	MACHIVA FARM	KAFUE	13/39'	27/37'	1963	CONT
3914	MUNKUMPU SCHOOL	KAFUE	13/36'	27/48'	1963	CONT
3925	MUNKUMPU GAUGING WEIR	KAFUE	13/31'	27/43'	1963	1970
3955	NDEBENI (WA)	KAFUE	13/24'	27/49'	1969	CONT
3960	ST. ANTHONY'S MISSION	KAFUE	13/29'	27/56'	1963	CONT
3974	MWELUSHI MISSION	KAFUE	13/03'	27/57'	1953	1980
3995	KRONGWE MISSION	KAFUE	13/31'	28/10'	1931	CONT
4040	KAPULAFUTA MISSION	KAFUE	13/16'	28/19'	1926	1965
4053	ROAN ANTELOPE	KAFUE	13/10'	28/23'	1927	CONT
4055	LUANSHYA RAIL	KAFUE	13/07'	28/24'	1934	CONT
4056	LUANSHYA TOWN (WA)	KAFUE	13/07'	28/24'	1969	1978
4058	KAFUBU UNION	KAFUE	---	---	1970	CONT
4060	CHAMUNDU SCHOOL	KAFUE	13/17'	28/24'	1971	1974

LIST OF METEOROLOGICAL STATION IN ZAMBIA

NO	STATION NAME	CATCHMENT	LAT.	LONG.	FROM	TO
4061	MASAITI SCHOOL (WA)	KAFUE	13/16'	28/24'	1969	1976
4062	FARM 1559	KAFUE	13/17'	28/24'	1963	CONT
4073	BWANA MKUBWA	KAFUE	13/03'	28/42'	1912	CONT
4075	BWANA MKUBWA	KAFUE	13/02'	28/43'	1971	1984
4076	NDOLA KAPUSI WATERWORKS	KAFUE	13/05'	28/36'	1966	1979
4085	CHICHELE	KAFUE	13/01'	28/32'	1949	1981
4090	RESEARCH STATION	KAFUE	---	---	1959	1983
4097	NDOLA-ITAWA WATERWORKS	KAFUE	12/59'	28/39'	1959	1984
4100	NDOLA MET.	KAFUE	13/00'	28/40'	1913	CONT
4102	LUPIYE SCHOOL	KAFUE	13/00'	28/48'	1969	1970
4103	NDOLA RAIL	KAFUE	12/57'	28/39'	1914	1985
4104	N.B.A.Z.	KAFUE	---	---	1983	1983
4105	NDOLA-LAKE ISHIKU WATERWORKS	KAFUE	12/59'	28/53'	1959	1979
4106	NDOLA LIME	KAFUE	13/00'	28/43'	1911	CONT
4109	CHIWALA	KAFUE	12/59'	28/45'	1969	CONT
4115	CHIKUMBI SCHOOL	KAFUE	12/53'	28/42'	1963	1977
4127	KANYENDA SCHOOL	KAFUE	13/27'	28/14'	1968	1973
4128	MPONGWE FTC	KAFUE	13/24'	28/15'	1979	CONT
4129	MIKATA SCHOOL	KAFUE	13/22'	28/19'	1963	CONT
4130	MPONGWE DEV. CAMP	KAFUE	---	---	1985	CONT
4131	IBENGA GIRL'S SCHOOL	KAFUE	13/20'	28/27'	1970	CONT
4135	ST. THERESA'S MISSION (WA)	KAFUE	13/21'	28/25'	1969	CONT
4146	CHINONDO SCHOOL (WA)	KAFUE	13/35'	28/29'	1969	1977
4149	KASHITU GOVT. SCHOOL	KAFUE	13/40'	28/41'	1972	1973
4163	MISHIKISHI (WA)	KAFUE	12/22'	28/42'	1969	1969
4166	FIWALE HILL MISSION	KAFUE	13/13'	28/43'	1940	CONT
4174	SILANGWA	KAFUE	13/26'	28/50'	1963	1972
4181	MUTABA SCHOOL	KAFUE	13/18'	28/50'	1969	1969
4201	MPATAMATO	KAFUE	13/15'	28/08'	1951	CONT
4233	CHAPULA IRR. PROJECT	KAFUE	12/55'	28/01'	1970	CONT
4235	ST. JOSEPH'S MISSION	KAFUE	13/21'	28/25'	1968	CONT
4246	CHIMOTO SCHOOL	KAFUE	12/55'	27/56'	1963	1975
4260	KALULUSHI FARM COLLEGE	KAFUE	12/53'	28/08'	1970	CONT
4261	MUKUMBO PR. SCHOOL	KAFUE	---	---	1981	CONT
4261	LUPAPOMA PRISON	KAFUE	12/54'	28/07'	1970	CONT
4271	KAMFinsa PRISON	KAFUE	12/52'	28/20'	1972	CONT
4274	MWEKERA FISH FARM	KAFUE	12/50'	28/22'	1965	1978
4275	CHINWA	KAFUE	---	---	1983	CONT
4276	KITWE HYDRO	KAFUE	---	---	1984	CONT
4277	KITWE SEWAGE (WA)	KAFUE	12/50'	28/12'	1959	CONT
4278	KITWE FIRE BRIDGE	KAFUE	12/50'	28/12'	1950	CONT
4279	BUTUSHO FARM	KAFUE	---	---	1982	CONT
4282	NKANA RAIL	KAFUE	12/49'	28/13'	1930	CONT
4282	NKANA MINE	KAFUE	12/50'	28/12'	1929	CONT
4305	MINDOLO MISSION	KAFUE	12/47'	28/11'	1937	1973
4310	CHIBULUMA MINE	KAFUE	12/49'	28/03'	1952	CONT
4313	FCM KALULUSHI	KAFUE	12/49'	28/06'	1977	1977
4320	MWAMBASHI (WA)	KAFUE	12/42'	28/09'	1963	CONT
4375	KAFIROANDA MET.	KAFUE	12/38'	28/10'	1966	CONT
4378	CHAMBI-SHI RAIL	KAFUE	12/39'	28/05'	1961	1982

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NO	STATION NAME	CATCHMENT	LAT.	LONG.	FROM	TO
4379	CHAMBISHI MINE	KAFUE	12/39'	28/03'	1963	CONT
4390	MUFULIRA MINE	KAFUE	12/32'	28/14'	1929	CONT
4392	MUFULIRA RAIL	KAFUE	12/32'	28/15'	1933	CONT
4395	SUNNYSIDE FARM	KAFUE	12/32'	28/16'	1980	CONT
4398	MUKAMBO	KAFUE	12/27'	28/20'	1972	1973
4475	CHATI FOREST	KAFUE	12/26'	27/53'	1962	CONT
4480	TORBOROUGH FARM	KAFUE	12/31'	27/54'	1980	1981
4481	LUANO AGRIC	KAFUE	12/34'	27/55'	1969	CONT
4482	MUSHISHIMA	KAFUE	12/29'	27/51'	1973	1974
4483	NCHANGA MINE	KAFUE	12/31'	27/50'	1926	CONT
4485	CHINGOLA RAIL	KAFUE	12/32'	27/51'	1951	CONT
4487	IDAFU SETTLEMENT	KAFUE	12/31'	27/50'	1970	CONT
4489	TWIN RIVERS FARM	KAFUE	12/20'	27/47'	1973	1977
4490	BANCROFT MINE NO. 3	KAFUE	12/21'	27/48'	1954	CONT
4492	BANCROFT RAIL	KAFUE	12/22'	27/50'	1959	CONT
4494	BANCROFT MINE NO. 1	KAFUE	12/22'	27/49'	1954	CONT
4496	LUBENGLE AIRSTRIP	KAFUE	12/18'	27/49'	1972	1973
4510	RAGLAN FARM (WA)	KAFUE	12/25'	27/44'	1956	CONT
4555	NGOSA FARM (WA)	KAFUE	12/18'	27/28'	1964	1977
4650	MUTUTUBANYA	KAFUE	11/54'	27/13'	1960	1969
4660	YOWELA SCHOOL	KAFUE	11/48'	27/11'	1959	1984
5001	CHIAWA BANANA SCHOOL	ZAMBEZI	15/55'	28/58'	1970	1982
5003	CHIRUNDU (WA)	ZAMBEZI	16/02'	28/51'	1971	1072
5005	LUSITU BOMA	ZAMBEZI	16/07'	28/52'	1956	CONT
5007	LUSITU (C.S.) (WA)	ZAMBEZI	16/09'	28/51'	1964	CONT
5010	LUSITU BRIDGE	ZAMBEZI	16/11'	28/45'	1960	CONT
5013	SIMAMBA AGRIC	ZAMBEZI	16/20'	28/44'	1971	1976
5016	SIAMWINGA AGRIC	ZAMBEZI	16/13'	28/32'	1972	CONT
5022	CHRAANGA	ZAMBEZI	16/16'	28/25'	1957	CONT
5044	CHIKANKATA	ZAMBEZI	16/15'	28/08'	1944	1982
5050	MAPANGAZIA	ZAMBEZI	16/10'	28/14'	1951	1976
5100	GWEMBE LUMBO	ZAMBEZI	16/32'	28/03'	1961	CONT
5180	GWEMBE CHIPEPO	ZAMBEZI	16/48'	26/03'	1961	1982
5195	GWEMBE-MUNYUBWE	ZAMBEZI	16/39'	27/47'	1984	CONT
5196	MUNYUBWE	ZAMBEZI	16/39'	27/47'	1953	CONT
5200	CHIPEPO	ZAMBEZI	16/48'	27/53'	1964	CONT
5222	NDONDI SCHOOL (WA)	ZAMBEZI	16/44'	27/24'	1963	1978
5233	NATOKA	ZAMBEZI	16/37'	27/29'	1929	1973
5293	WILHELMINA FARM	ZAMBEZI	16/22'	27/17'	1948	1976
5305	GWEMBE BULEYA	ZAMBEZI	17/03'	27/35'	1961	1970
5309	BULEYA MALIMA	ZAMBEZI	17/12'	27/30'	1971	CONT
5310	BULEYA MALIMA (WA)	ZAMBEZI	17/12'	27/30'	1970	1985
5312	MALIMA FTC	ZAMBEZI	--	--	1984	CONT
5313	MALIMA AGRIC	ZAMBEZI	17/10'	25/25'	1971	1985
5315	SINAZEZE	ZAMBEZI	17/08'	27/23'	1956	CONT
5316	CHINYARI PILOT IRR.	ZAMBEZI	--	--	1984	CONT
5317	GOSSNER MISSION	ZAMBEZI	--	--	1984	CONT
5320	MAAMBA COLLIERY	ZAMBEZI	17/25'	27/12'	1972	CONT
5322	MAAMBA AGRIC	ZAMBEZI	17/25'	27/12'	1967	1985
5324	MAAMBA (WA)	ZAMBEZI	17/25'	27/12'	1960	1969

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NO	STATION NAME	CATCHMENT	LAT.	LONG.	FROM	TO
5325	SIATWINDA IRRIG.	ZAMBEZI	17/28'	28/27'	1971	1974
5327	KAFAMBILA	ZAMBEZI	17/48'	27/05'	1973	1976
5329	MASUKA	ZAMBEZI	17/12'	27/08'	1927	CONT
5335	SIKALONGA MISSION	ZAMBEZI	16/58'	27/14'	1926	1983
5340	BATOKA STATE RANCH	ZAMBEZI	16/48'	27/15'	1972	CONT
5347	CHOMA AGRIC	ZAMBEZI	16/52'	27/16'	1954	1971
5350	CHOMA MET.	ZAMBEZI	16/51'	27/04'	1948	CONT
5355	CHOMA RAIL	ZAMBEZI	16/50'	26/58'	1916	CONT
5357	BELT SCHOOL	ZAMBEZI	16/51'	26/59'	1929	1968
5397	HEARTHWOOD FARM	ZAMBEZI	16/52'	26/53'	1955	1970
5399	SIBINYANTI	ZAMBEZI	16/50'	26/50'	1963	1973
5465	KABANGA MISSION	ZAMBEZI	16/30'	26/47'	1956	1974
5467	CHINKOYO AGRIC	ZAMBEZI	17/32'	26/44'	1972	1978
5475	KALA RANCH	ZAMBEZI	17/20'	26/53'	1956	1972
5524	ZIMBA RANCH	ZAMBEZI	17/19'	26/12'	1919	CONT
5525	ZIMBA RAIL	ZAMBEZI	17/19'	26/12'	1919	CONT
5530	FORSYTH'S ESTATES	ZAMBEZI	17/25'	26/23'	1956	1984
5542	KANCHELE AGRIC	ZAMBEZI	17/17'	26/39'	1972	1981
5547	KALOMO DAM SITE (WA)	ZAMBEZI	17/13'	26/29'	1966	CONT
5550	THE RIDGES	ZAMBEZI	17/14'	26/23'	1953	CONT
5557	NAMWIANGA MISSION	ZAMBEZI	17/03'	26/30'	1939	CONT
5559	KALOMO RAIL	ZAMBEZI	17/02'	26/29'	1910	CONT
5560	NAMWIANGA FARM	ZAMBEZI	--	--	1984	1985
5561	KALOMO SEC. SCHOOL	ZAMBEZI	17/03'	26/28'	1973	1975
5567	TARA FOREST CAMP	ZAMBEZI	16/54'	26/48'	1961	1971
5574	KALOMO BOMA	ZAMBEZI	16/58'	26/29'	1919	1973
5600	LIVINGSTONE-VICTORIA FALLS POWER STATION	ZAMBEZI	17/56'	25/53'	1952	1970
5603	LIVINGSTONE RAIL	ZAMBEZI	17/52'	25/53'	1910	1980
5604	ZAMBEZI CHURCH	ZAMBEZI	--	--	1981	CONT
5607	LIVINGSTONE LINDA CAMP	ZAMBEZI	17/51'	25/53'	1959	1972
5610	MARAMBA CAMP	ZAMBEZI	17/51'	25/52'	1924	1977
5612	LIVINGSTONE WATERWORKS	ZAMBEZI	17/50'	25/52'	1968	CONT
5620	LIVINGSTONE PUMP STATION	ZAMBEZI	17/53'	25/20'	1968	1974
5625	LIVINGSTONE MET.	ZAMBEZI	17/50'	25/50'	1948	CONT
5627	DAMBWA FOREST STATION	ZAMBEZI	17/48'	25/57'	1956	1969
5640	KATOMBORA REFORMATORY	ZAMBEZI	17/50'	25/24'	1926	CONT
5645	KAZUNGULA	ZAMBEZI	17/48'	25/17'	1926	1972
5660	MAKUMBA CATHOLIC MISSION	ZAMBEZI	17/29'	25/32'	1962	1972
5690	BORWOOD FARM	ZAMBEZI	17/06'	25/11'	1936	1974
5745	SIMAMBA KNP	ZAMBEZI	16/39'	25/36'	1966	1969
5750	MACHILI	ZAMBEZI	16/50'	25/08'	1938	CONT
5752	MULOBEZI	ZAMBEZI	16/47'	25/10'	1940	1975
5755	KATARA VALLEY	ZAMBEZI	16/04'	25/07'	1971	CONT
5760	SICHTU MISSION	ZAMBEZI	16/44'	24/58'	1938	1983
5780	MASESE	ZAMBEZI	17/18'	24/39'	1941	CONT
5781	LIPUNFU PR. SCHOOL	ZAMBEZI	17/15'	24/59'	1966	1971
5783	KALOMO FOREST	ZAMBEZI	17/07'	24/35'	1965	1970
5800	SESHEKE MET.	ZAMBEZI	17/28'	24/18'	1919	CONT
5801	SESHEKE SEC. SCHOOL	ZAMBEZI	--	--	1970	CONT

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LIST OF METEOROLOGICAL STATION IN ZAMBIA

NO	STATION NAME	CATCHMENT	LAT.	LONG.	FROM	TO	NO	STATION NAME	CATCHMENT	LAT.	LONG.	FROM	TO
5802	SESHEKE RESEARCH	ZAMBEZI	17/28'	24/19'	1974	CONT	6395	Z.F.D.S. FOUR	ZAMBEZI	13/39'	25/26'	---	---
5815	LUSU AGRIC	ZAMBEZI	17/14'	24/07'	1980	CONT	6403	KABULAMENA	ZAMBEZI	13/51'	24/01'	1952	CONT
5830	KALOBOLELWA	ZAMBEZI	16/58'	23/34'	1960	CONT	6415	KABOMPO MET.	ZAMBEZI	13/36'	24/12'	1948	CONT
5890	SIOMA FALLS	ZAMBEZI	16/38'	23/35'	1935	1981	6420	LOLOMA MISSION	ZAMBEZI	13/25'	24/20'	1956	1969
5895	SIOMA FOREST	ZAMBEZI	16/29'	23/25'	1963	1976	6430	LUSONGWA	ZAMBEZI	12/58'	24/13'	1964	1969
5920	MWANGANGUMUNE	ZAMBEZI	15/40'	23/35'	1960	1973	6470	CHIWOMA	ZAMBEZI	12/24'	24/18'	1973	CONT
5926	MALIKWANDA	ZAMBEZI	15/29'	23/39'	1976	1981	6476	CHIEWIKA AGRIC	ZAMBEZI	12/05'	24/18'	1972	CONT
5928	LITAWA	ZAMBEZI	15/28'	23/33'	1972	CONT	6478	KAMPANDA MISSION	ZAMBEZI	12/00'	24/07'	1926	1974
5940	LUETEMBO (WA)	ZAMBEZI	15/13'	23/49'	1964	CONT	6481	KAMPANDA SCHOOL	ZAMBEZI	---	---	1970	1974
5955	LUETI PONTON (WA)	ZAMBEZI	16/05'	23/00'	1964	CONT	6524	MWINILUNGA FIC	ZAMBEZI	11/46'	24/26'	1979	CONT
5975	SIOLE MISSION	ZAMBEZI	15/20'	22/35'	1956	1980	6525	MWINILUNGA MET.	ZAMBEZI	11/45'	24/26'	1921	CONT
5979	SENANGA MET.	ZAMBEZI	16/07'	23/16'	1979	CONT	6528	MWINILUNGA VEGETABLE	ZAMBEZI	11/41'	24/25'	1970	CONT
5980	SENANGA	ZAMBEZI	16/07'	23/10'	1931	1980	6535	MWINILUNGA RESEARCH	ZAMBEZI	11/38'	24/24'	1972	CONT
5995	NAMUSHAKENDE	ZAMBEZI	15/26'	23/12'	1949	CONT	6572	KAKOMA SCHOOL	ZAMBEZI	---	---	1971	1974
5996	NAMUSHAKENDE RESEARCH	ZAMBEZI	15/25'	23/12'	1976	CONT	6580	KIKONGE SCHOOL	ZAMBEZI	13/04'	25/15'	1971	1974
5997	SEFUTA SCHOOL	ZAMBEZI	15/23'	23/12'	1925	1972	6583	KAKIKASA FARM	ZAMBEZI	---	---	1982	CONT
6008	MONGU-LEALDI SEC. SCHOOL	ZAMBEZI	15/17'	23/08'	1956	CONT	6585	CHIZERA MISSION	ZAMBEZI	13/06'	25/02'	1952	CONT
6009	HOLY CROSS SEC. SCHOOL	ZAMBEZI	---	---	1985	CONT	6586	CHIZERA FIC	ZAMBEZI	---	---	1983	CONT
6010	MONGU MET.	ZAMBEZI	15/15'	23/10'	1953	CONT	6649	KANKOLOKO DISP.	ZAMBEZI	13/01'	26/00'	1951	CONT
6011	KAUNGA	ZAMBEZI	---	---	1973	1974	6680	MOMBESHI DISP.	ZAMBEZI	12/15'	25/34'	1956	1981
6015	LIMUNGA	ZAMBEZI	15/07'	23/11'	1960	1982	6722	NYARAMBOLA	ZAMBEZI	11/50'	24/53'	1973	CONT
6032	LUKONA SCHOOL	ZAMBEZI	15/20'	22/56'	1934	CONT	6734	CHOYVE AGRIC	ZAMBEZI	12/25'	25/04'	1973	1976
6049	LUANGINGA (WA)	ZAMBEZI	14/50'	22/49'	1980	CONT	6738	NTAMBU	ZAMBEZI	12/26'	24/59'	1973	CONT
6050	KALASO BOMA	ZAMBEZI	14/57'	22/42'	1920	CONT	6745	KISASA AGRIC	ZAMBEZI	12/08'	25/29'	1973	CONT
6051	BULEYA AGRIC	ZAMBEZI	---	---	1984	CONT	6748	MUKUMBI AGRIC	ZAMBEZI	12/07'	25/46'	1973	CONT
6052	SOKONGO	ZAMBEZI	---	---	1982	CONT	6780	LUMWANE SCHOOL	ZAMBEZI	11/50'	25/05'	1951	CONT
6110	USHAA AGRIC	ZAMBEZI	14/57'	23/17'	1959	CONT	6890	CHITOKOLOKI MISSION	ZAMBEZI	13/50'	23/13'	1934	CONT
6123	NDANDA	ZAMBEZI	14/53'	23/37'	1959	1984	6840	BALVALE SEC. SCHOOL	ZAMBEZI	13/34'	25/06'	1921	CONT
6155	MAYANKWA	ZAMBEZI	14/31'	23/48'	1964	CONT	6842	ZAMBEZI	ZAMBEZI	---	---	1970	1974
6165	KASAMBAMEZI (WA)	ZAMBEZI	---	---	1981	CONT	6858	KAYOMBO	ZAMBEZI	13/22'	23/10'	1959	1974
6170	NKENG AGRIC	ZAMBEZI	15/03'	24/26'	1938	1977	6860	DIPALATA	ZAMBEZI	13/02'	23/52'	1964	1971
6175	LUAMP	ZAMBEZI	15/25'	24/43'	1960	1982	6864	CHINYINGI	ZAMBEZI	13/18'	23/14'	1952	1971
6185	LUAMPA KUTA	ZAMBEZI	14/48'	24/48'	1913	CONT	6871	LUKOLME MISSION	ZAMBEZI	13/22'	23/01'	1955	CONT
6210	KAOMA MET.	ZAMBEZI	14/48'	24/47'	1980	CONT	6874	CHVUMA (WA)	ZAMBEZI	13/12'	22/42'	1959	CONT
6211	KAOMA RESEARCH	ZAMBEZI	14/48'	24/47'	1974	CONT	6875	CHAVUMA MISSION	ZAMBEZI	13/06'	22/43'	1938	CONT
6212	KAOMA FIC	ZAMBEZI	14/48'	24/47'	1974	CONT	6880	KANONGESHA	ZAMBEZI	13/05'	22/42'	1927	CONT
6213	CHITWA AGRIC	ZAMBEZI	---	---	1985	CONT	6881	NYANGOMBE	ZAMBEZI	11/42'	24/02'	1952	1971
6215	MANGANGO STATE FARM	ZAMBEZI	14/38'	24/32'	1980	1984	6882	MATONGCHI MISSION	ZAMBEZI	11/48'	24/34'	1980	CONT
6220	KMP-TAFAYO	ZAMBEZI	14/56'	27/11'	1969	CONT	6882	CHIZERA (KALE/MISSION)	ZAMBEZI	11/38'	23/03'	1935	CONT
6224	MUYONDOTI AGRIC	ZAMBEZI	---	---	1985	CONT	6890	KALENE HILL MISSION	ZAMBEZI	---	---	1927	CONT
6225	LUKULU MISSION	ZAMBEZI	14/23'	23/15'	1945	CONT	6891	KALENE HILL MISSION	ZAMBEZI	11/12'	24/11'	1975	1976
6230	KULUAWA AGRIC	ZAMBEZI	14/02'	23/39'	1981	CONT	6893	IKELENGE AGRIC	ZAMBEZI	11/15'	24/15'	1972	1984
6231	SIAKASUMBI (WA)	ZAMBEZI	14/17'	23/05'	1964	CONT	6896	SAKEJI SCHOOL	ZAMBEZI	11/14'	24/18'	1937	CONT
6233	MANGANGO AGRIC	ZAMBEZI	---	---	1984	CONT	6898	HILLWOOD FARM	ZAMBEZI	11/15'	24/19'	1924	CONT
6290	KATUBA KABOMPO	ZAMBEZI	13/30'	22/20'	1964	1975	6802	KANYAMA AGRIC	ZAMBEZI	11/24'	14/45'	1972	1981
6315	Z.F.D.S. WEST FIVE	ZAMBEZI	13/21'	23/25'	1960	CONT	7040	CHIPUNGU AGRIC	LUAPULA	8/40'	29/10'	1972	1984
6337	CHIBULUKASHI	ZAMBEZI	13/57'	24/30'	1968	1971	7042	FUTA CCUNICIL	LUAPULA	8/42'	29/11'	1971	1982
6339	LALAFUTA CAMP	ZAMBEZI	14/38'	25/34'	1969	1970	7048	KAFULWE MISSION	LUAPULA	8/59'	29/05'	1941	CONT
6350	KALENGWA MINE	ZAMBEZI	13/28'	24/39'	1967	1976	7049	KAFULWE HYDRO	LUAPULA	---	---	---	1985

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NO	STATION NAME	CATCHMENT	LAT.	LONG.	FROM	TO
7053	MUNUNGA	LUAPULA	9/04'	29/03'	1966	CONT
7090	MOFWE DAMBO (WA)	LUAPULA	9/08'	29/15'	1958	CONT
7095	KALUNGWISHI RANCH	LUAPULA	9/13'	29/18'	1971	CONT
7096	KALUNGWISHI RANCH	LUAPULA	9/13'	29/19'	1977	CONT
7098	KWANGWA AT MUMBULUMA FALLS	LUAPULA	9/33'	29/44'	1971	CONT
7100	MUKUPA KATANDULA	LUAPULA	8/59'	29/28'	1954	CONT
7131	MONYELA-KANANDA	LUAPULA	8/50'	29/40'	1981	CONT
7137	MWAMBASHI RIVER NO. 2	LUAPULA	8/50'	29/56'	1970	1985
7138	KASEMPQ AGRIC	LUAPULA	8/55'	29/40'	1980	CONT
7140	CHISELA AGRIC	LUAPULA	8/58'	29/10'	1980	1985
7142	NSAMA AGRIC CAMP	LUAPULA	8/54'	29/57'	1972	1980
7145	CHISELA	LUAPULA	--	--	1984	CONT
7146	MUKUNTA	LUAPULA	9/58'	29/05'	1975	CONT
7175	KAPUTA	LUAPULA	8/26'	29/43'	1954	1985
7215	KILWA ISLAND	LUAPULA	9/20'	28/30'	1975	1983
7222	CHISENGA ISLAND	LUAPULA	9/28'	28/40'	1975	1985
7229	MUNSA AGRIC	LUAPULA	9/10'	28/52'	1975	CONT
7260	CHIMPEMPE MISSION	LUAPULA	9/34'	29/25'	1949	1984
7265	CHIMPEMPE MISSION (WA)	LUAPULA	9/53'	29/27'	1968	1986
7273	CHIBOTE MISSION	LUAPULA	9/52'	29/33'	1926	CONT
7277	KARAMBWA TEA ESTATES	LUAPULA	9/48'	29/15'	1978	CONT
7280	MUSHUTA AGRIC	LUAPULA	9/48'	29/23'	1950	1983
7282	MUSHUTA RICE SCHEME	LUAPULA	9/46'	29/25'	1971	1976
7285	KABANDA AGRIC	LUAPULA	9/40'	29/25'	1973	CONT
7320	KAHABE MISSION	LUAPULA	9/28'	29/50'	1942	CONT
7345	CHIHALA SCHOOL	LUAPULA	9/28'	29/41'	1963	1971
7350	MPOKOKOSO	LUAPULA	9/22'	30/07'	1913	CONT
7351	MPOKOKOSO SEC. SCHOOL	LUAPULA	9/22'	30/07'	1968	1985
7355	VINCENT BULAYA	LUAPULA	9/38'	30/27'	1963	1972
7400	KILWA SCHOOL	LUAPULA	9/17'	28/25'	1969	1970
7408	ROSAMO MISSION	LUAPULA	8/40'	29/10'	1975	1976
7410	CHINGE AGRIC	LUAPULA	8/35'	29/12'	1975	1985
7411	NCHELENGE RESEARCH	LUAPULA	9/21'	28/45'	1984	CONT
7412	NCHELENGE	LUAPULA	9/21'	28/45'	1954	CONT
7415	CHABILIKILA RESEARCH	LUAPULA	9/31'	28/45'	--	--
7420	SHIMUKUNDU	LUAPULA	9/32'	28/43'	1963	1976
7428	MBERESI MISSION	LUAPULA	9/44'	28/47'	1923	1974
7450	LUAPULA IEP. SETTLEMENT	LUAPULA	9/45'	28/52'	1954	CONT
7443	KAPWESHI PLANTATION	LUAPULA	9/50'	25/50'	1966	CONT
7449	ST. MARY'S KAWAMEWA	LUAPULA	9/48'	28/05'	1971	1983
7450	KAWAMEWA MET.	LUAPULA	9/48'	28/05'	1966	CONT
7455	LUFUBU MISSION	LUAPULA	9/48'	28/05'	1910	CONT
7456	LUFUBU AT KESO FALLS	LUAPULA	9/53'	28/47'	1937	1985
7468	MUMUSHI BANANA SCHOOL	LUAPULA	--	--	1985	CONT
7480	KAWAMA MISSION	LUAPULA	9/58'	28/40'	1970	CONT
7482	LUKWESA AGRIC	LUAPULA	10/05'	28/37'	1951	1976
7486	MUBENDE	LUAPULA	10/07'	28/37'	1978	CONT
7487	KATUTO AGRIC	LUAPULA	10/18'	28/46'	1958	CONT
7489	NSKALUBA	LUAPULA	--	--	1984	CONT
			10/22'	28/42'	1951	1982

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NO	STATION NAME	CATCHMENT	LAT.	LONG.	FROM	TO
7491	MWENSE AGRIC	LUAPULA	10/24'	28/37'	1976	CONT
7492	LUBUNDA AGRIC	LUAPULA	--	--	1985	CONT
7493	MWENSE CONSULTING ENG.	LUAPULA	10/22'	28/42'	1986	CONT
7495	MAMBILIMA MISSION	LUAPULA	10/32'	28/38'	1926	CONT
7503	MAGONDA FALLS	LUAPULA	10/42'	28/50'	--	--
7505	CHISUNKA	LUAPULA	10/45'	28/50'	1959	1984
7510	MWENDA	LUAPULA	10/28'	29/01'	1970	CONT
7512	MWENDA SCHOOL	LUAPULA	10/28'	29/11'	1964	1984
7515	CHIPILI MISSION	LUAPULA	10/44'	29/05'	1921	1984
7530	MUPETA	LUAPULA	10/25'	29/02'	1964	1984
7553	MUYEMBE	LUAPULA	9/59'	29/07'	1964	1973
7563	MWENA AGRIC	LUAPULA	10/38'	30/12'	1967	1974
7584	KALUNDU MISSION	LUAPULA	10/17'	29/23'	1938	1971
7586	MUSUNGA	LUAPULA	10/11'	29/19'	1963	1971
7602	CHIBONDO	LUAPULA	10/43'	28/28'	1965	CONT
7610	MWAMBESI NEAR NSAMA	LUAPULA	--	--	1984	CONT
7615	CHIBILIKILO	LUAPULA	--	--	1984	CONT
7645	KABUNDA MISSION	LUAPULA	11/12'	28/47'	1950	1985
7648	MANSA RURAL DAIRY	LUAPULA	11/09'	28/51'	1970	CONT
7649	MANSA (WA)	LUAPULA	11/09'	28/51'	1971	CONT
7650	MANSA MET.	LUAPULA	11/06'	28/51'	1919	CONT
7652	MANSA FARM INST.	LUAPULA	--	--	1973	CONT
7654	MOLOSHI AGRIC	LUAPULA	11/03'	28/50'	1985	CONT
7655	BAHATI MISSION	LUAPULA	11/03'	28/48'	1950	CONT
7657	MATENDA	LUAPULA	11/03'	28/48'	1970	CONT
7659	KAHASA-LUKANGABA	LUAPULA	11/17'	28/49'	1959	1982
7663	MANSA RESEARCH STATION	LUAPULA	11/15'	28/59'	1976	CONT
7665	MABAMBA	LUAPULA	11/15'	29/02'	1969	CONT
7661	KALE PR. SCHOOL	LUAPULA	11/15'	29/18'	1977	CONT
7671	KALABA AGRIC	LUAPULA	11/02'	29/07'	1969	1980
7673	KALABA	LUAPULA	11/01'	29/08'	1963	1969
7676	CHAMUNDA SCHOOL (WA)	LUAPULA	13/17'	28/24'	1969	1971
7698	CHEMBE AGRIC	LUAPULA	11/59'	28/42'	1969	CONT
7699	CHEMBE PONTOON	LUAPULA	11/59'	28/32'	1958	1971
7700	MILENGE AGRIC	LUAPULA	12/15'	29/30'	1978	CONT
7705	CHAYUMA MWELWA SCHOOL	LUAPULA	11/56'	28/57'	1954	1978
7758	MILAMBO AGRIC	LUAPULA	11/47'	29/02'	1959	CONT
7760	MWELA MISSION	LUAPULA	11/43'	29/07'	1942	CONT
7790	NSONGA KAPOLWE	LUAPULA	11/26'	29/16'	1963	CONT
7814	MALLO SETTLEMENT SCHOOL	LUAPULA	13/05'	30/52'	1979	CONT
7822	CHITAMBO	LUAPULA	12/55'	30/38'	1910	1967
7826	MPUMBA	LUAPULA	12/40'	31/03'	1971	1984
7830	SAS AGRIC CAMP	LUAPULA	13/02'	30/02'	1958	1972
7843	SERENJE	LUAPULA	13/15'	30/10'	1970	CONT
7847	MPELEMBE	LUAPULA	--	--	1984	CONT
7850	SERENJE MET.	LUAPULA	13/14'	30/13'	1948	CONT
7851	LUFUYA	LUAPULA	--	--	1984	CONT
7852	SERENJE BOMA	LUAPULA	13/15'	30/14'	1913	1974
7854	SERENJE	LUAPULA	13/15'	30/15'	1977	1978
7912	MULEMBO	LUAPULA	12/32'	30/19'	1971	1977

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NO	STATION NAME	CATCHMENT	LAT.	LONG.	From	TO
7925	LIVINGSTONE MEMORIAL	LUAPULA	12/19'	30/19'	1958	1975
7940	CHINDAPONDE SCHOOL	LUAPULA	12/15'	30/35'	1963	1982
7942	CHINDAPONDE	LUAPULA	12/15'	30/34'	1970	1976
7980	TWINGI MISSION	LUAPULA	11/41'	29/40'	1939	CONT
7983	Z. F. D. S. EAST ONE	LUAPULA	11/38'	29/42'	1972	1982
8000	SAMFYA MET.	LUAPULA	11/21'	29/32'	1957	1984
8001	SAMFYA MISSION	LUAPULA	11/21'	29/33'	1957	CONT
8010	MIBENGE SOCIETY	LUAPULA	11/17'	29/24'	1969	1973
8024	NYUMBO SOCIETY	LUAPULA	--	--	--	--
8040	LUBWE MISSION	LUAPULA	11/08'	29/37'	1926	1984
8050	MWANA POST OFFICE	LUAPULA	10/58'	29/38'	1959	1979
8060	CHIMANDA SCHOOL	LUAPULA	10/49'	29/28'	1968	1971
8080	KASABA MISSION	LUAPULA	10/44'	29/43'	1944	1983
8112	IPUSUKILO SCHOOL	LUAPULA	10/23'	29/53'	1971	1973
8120	LWINGU	LUAPULA	10/15'	29/55'	1924	1971
8122	LWINGU AGRIC	LUAPULA	10/15'	29/54'	1971	CONT
8123	CHUNGU RICE PROJECT	LUAPULA	--	--	1986	CONT
8124	MUTONDO RICE PROJECT	LUAPULA	10/45'	29/58'	1958	1972
8125	NSOMBO	LUAPULA	10/38'	30/12'	1939	1971
8135	LWENA	LUAPULA	10/32'	29/58'	1960	1985
8145	TUNGATI	LUAPULA	10/57'	30/05'	1959	1978
8170	CHABA SCHOOL	LUAPULA	11/06'	29/57'	1954	1971
8182	MUCHINSHI (WA)	LUAPULA	11/07'	30/00'	1925	CONT
8185	SANTA MARIA MISSION	LUAPULA	11/45'	30/02'	1955	1971
8225	NCHETA	LUAPULA	11/45'	30/11'	1971	1971
8229	CHAFEYE ISLAND	LUAPULA	11/57'	30/12'	1973	1974
8234	CHIKUNI CAMP	LUAPULA	11/26'	30/04'	1969	1971
8240	KALIMANKONDE (WA)	LUAPULA	11/24'	30/07'	1969	1981
8242	KASOMA (WA)	LUAPULA	11/44'	30/46'	1955	1981
8440	SENIOR CHIEF KOPA	LUAPULA	11/51'	31/23'	1970	CONT
8453	LMITIKILA (WA)	LUAPULA	11/49'	31/15'	1969	1981
8459	LUCHENGE	LUAPULA	12/10'	31/08'	1976	1977
8460	MUFUBUSHI R.R. CENTRE	LUAPULA	12/06'	31/15'	1973	CONT
8462	MUFUBUSHI	LUAPULA	12/03'	31/20'	1975	1976
8464	CHILONGA SCHOOL	LUAPULA	12/02'	31/19'	1939	CONT
8465	CHILONGA MISSION	LUAPULA	12/02'	31/19'	1976	CONT
8466	CHILONGA AGRIC	LUAPULA	12/54'	31/26'	1932	CONT
8470	MPIKA MET.	LUAPULA	11/50'	31/27'	1919	CONT
8473	MPIKA BOMA	LUAPULA	11/50'	31/27'	1971	CONT
8474	KABINGA SCHOOL	LUAPULA	--	--	1985	CONT
8475	KAULE AGRIC	LUAPULA	11/48'	31/27'	1964	CONT
8477	MALASHI	LUAPULA	11/48'	31/27'	1976	1982
8478	MALASHI SCHOOL	LUAPULA	11/40'	31/30'	1958	CONT
8480	CHALWA (CHIKWANDA)	LUAPULA	11/36'	30/42'	1969	CONT
8493	KALILANTUTU	LUAPULA	11/36'	31/00'	1971	1983
8508	CHALABESA AGRIC	CHAMBESHI	11/22'	31/01'	1939	CONT
8510	CHALABESA MISSION	CHAMBESHI	11/30'	31/17'	1970	CONT
8515	KANCHIBIYA RIVER	CHAMBESHI	10/19'	31/40'	1974	CONT
8558	MUNKONGE TOBACCO SCHOOL	CHAMBESHI	10/20'	31/41'	1961	CONT
8564	MUNKONGE	CHAMBESHI	10/20'	31/41'	1961	CONT

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NO	STATION NAME	CATCHMENT	LAT.	LONG.	From	TO
8575	LUBUSHI MISSION	CHAMBESHI	10/17'	30/28'	1933	1984
8585	CHITOSHI	CHAMBESHI	10/09'	30/11'	1969	CONT
8600	MBATI (WA)	CHAMBESHI	11/15'	30/43'	1958	CONT
8635	CHIBUTUBUTU	CHAMBESHI	10/38'	31/10'	1958	1970
8638	UKOLEMFUMU	CHAMBESHI	10/30'	31/10'	1969	1972
8639	MULASHI AGRIC	CHAMBESHI	10/24'	31/15'	1974	CONT
8640	KASAMA PLANTATION	CHAMBESHI	10/15'	31/05'	1972	CONT
8642	KASONDE SCHOOL	CHAMBESHI	10/12'	31/11'	1971	1973
8644	KASAMA BOMA	CHAMBESHI	10/12'	31/11'	1927	1970
8645	KASAMA AGRIC	CHAMBESHI	10/12'	31/11'	1950	CONT
8646	KASAMA HYDRO (WA)	CHAMBESHI	10/12'	31/11'	1969	CONT
8650	KATESHI COFFEE ESTATE	CHAMBESHI	--	--	1982	CONT
8655	CHIBULA MISSION	CHAMBESHI	10/10'	30/58'	1939	CONT
8657	CHISHIMBA FALLS	CHAMBESHI	10/08'	30/55'	1968	CONT
8661	LUANGWA AGRIC	CHAMBESHI	9/37'	30/37'	1971	CONT
8664	CHILONGOSHI	CHAMBESHI	9/57'	30/47'	1963	1974
8665	SHIBWALYA KAPILA	CHAMBESHI	9/48'	30/44'	--	--
8668	SHIBWALYA KAPILA AGRIC	CHAMBESHI	9/48'	30/44'	1963	CONT
8669	SHIBWALYA KAPILA SCHOOL	CHAMBESHI	9/48'	30/44'	1968	1985
8675	MWANGE R.R. CENTRE	CHAMBESHI	--	--	1984	CONT
8677	MOSENI SCHOOL	CHAMBESHI	9/43'	30/44'	1926	CONT
8680	KAPUTU MISSION	CHAMBESHI	9/42'	30/45'	1973	1984
8686	NONDO	CHAMBESHI	9/33'	31/13'	1961	1969
8687	NONDO AGRIC	CHAMBESHI	9/34'	31/13'	1966	CONT
8690	CHIBWA	CHAMBESHI	9/27'	31/16'	1933	1973
8692	MAULA SCHOOL	CHAMBESHI	9/29'	31/19'	1952	1975
8696	MWAMBA KASAMA	CHAMBESHI	10/06'	31/04'	1963	CONT
8697	MWAMBA PR. SCHOOL	CHAMBESHI	10/06'	31/34'	1975	1975
8702	KASAMA DAIRY	CHAMBESHI	10/13'	31/08'	1945	CONT
8704	MILIMA PRISON	CHAMBESHI	10/15'	31/12'	1969	1972
8705	MISAMFU	CHAMBESHI	10/11'	31/07'	1976	1984
8799	NKOLEMFUMU PLANTATION	CHAMBESHI	10/12'	31/18'	1970	1980
8801	CHAMBESHI BRIDGE (WA)	CHAMBESHI	9/58'	30/25'	1963	CONT
8805	MPEPO AGRIC	CHAMBESHI	10/57'	31/01'	1968	CONT
8825	SHIWA NG'ANDU	CHAMBESHI	11/04'	31/08'	1969	1982
8830	MUKWIKILE	CHAMBESHI	11/12'	31/45'	1922	CONT
8895	ILONDOLA MISSION	CHAMBESHI	10/22'	31/47'	1974	1982
8904	MATUMBO AGRIC	CHAMBESHI	10/43'	32/09'	1973	1980
8960	NDASA AGRIC	CHAMBESHI	10/08'	31/58'	1978	CONT
8967	MUMBA AGRIC	CHAMBESHI	10/07'	31/31'	1980	CONT
8969	MALOLE AGRIC	CHAMBESHI	10/07'	31/34'	1972	CONT
8971	ST. FRANCIS SEC. SCHOOL	CHAMBESHI	10/07'	31/34'	1926	CONT
8992	NGULULA	CHAMBESHI	10/07'	31/24'	1956	CONT
8993	MUNGI AGRIC EXT.	CHAMBESHI	10/06'	31/20'	1963	CONT
8994	MUNGI AGRIC	CHAMBESHI	10/08'	31/21'	1972	CONT
8999	MUNGI NGOLI	CHAMBESHI	10/10'	31/21'	1958	CONT
		CHAMBESHI	9/53'	31/15'	1969	CONT

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NO	STATION NAME	CATCHMENT	LAT.	LONG.	FROM	TO
9017	LUBWA SCHOOL	CHAMBESHI	10/34'	32/01'	1929	1985
9019	CHINSALI FTC	CHAMBESHI	10/39'	32/03'	1977	CONT
9020	CHINWALI	CHAMBESHI	10/33'	32/04'	1925	1985
9021	CHISELA	CHAMBESHI	--	--	1983	CONT
9030	MUNDU	CHAMBESHI	10/20'	32/15'	1960	CONT
9033	MUSANYA AGRIC	CHAMBESHI	10/25'	32/24'	1976	1985
9112	MOLILANSOZO MISSION	CHAMBESHI	10/05'	32/18'	1939	1977
9115	SHIMWALUZE MISSION	CHAMBESHI	10/05'	32/14'	1966	1981
9117	MESUMA FARM	CHAMBESHI	10/02'	32/07'	1923	1979
9119	MULEMA SAMP AGRIC	CHAMBESHI	10/01'	32/06'	1972	CONT
9170	SKALEMBO	CHAMBESHI	9/07'	32/13'	1961	CONT
9183	KAYAMBI AGRIC	CHAMBESHI	9/27'	32/01'	1972	CONT
1985	KAYAMBI MISSION	CHAMBESHI	9/27'	31/59'	1926	1983
9245	NTATUMBILA	CHAMBESHI	9/05'	31/59'	1958	CONT
9248	CHIFWILE CAMP	CHAMBESHI	--	--	1983	CONT
9249	LUKULU TRDP	CHAMBESHI	--	--	1983	CONT
9250	MUBANGA (KASO)	CHAMBESHI	--	--	1983	CONT
9260	KATAKAUCHA	CHAMBESHI	--	--	1983	CONT
9261	CHAMFUBU SETT. SCHEME	CHAMBESHI	--	--	1983	CONT
9262	CHILFYA KASAMA WEST	CHAMBESHI	--	--	1983	CONT
9263	ZCA MPIKA	CHAMBESHI	--	--	1983	CONT
9275	NSOKOLO	CHAMBESHI	9/11'	31/51'	1961	CONT
9294	MAMBWE MISSION	CHAMBESHI	9/12'	31/44'	1944	CONT
9309	KANTONGA	CHAMBESHI	9/29'	32/38'	1958	CONT
9330	CHIBALE SCHOOL	CHAMBESHI	--	--	1983	CONT
9345	KANTENSHA MISSION	CHAMBESHI	10/08'	32/35'	1954	1969
9349	ISOKA	CHAMBESHI	10/10'	32/38'	1919	CONT
9350	CHUNGA AGRIC CAMP	CHAMBESHI	--	--	1985	CONT
9355	KALUNGU	CHAMBESHI	9/42'	32/41'	1958	CONT
9358	SHEM AGRIC	CHAMBESHI	--	--	1982	1984
9364	NZOCHÉ AGRIC	CHAMBESHI	9/50'	33/05'	1975	1983
9375	OLD FIFE AGRIC	CHAMBESHI	9/20'	32/44'	1959	CONT
9380	ILOLA AGRIC	CHAMBESHI	9/15'	32/20'	1976	CONT
9409	MAKASA	CHAMBESHI	9/40'	31/53'	1959	CONT
9434	MRENDA	CHAMBESHI	9/21'	31/43'	1961	1979
9450	ROSA MISSION	CHAMBESHI	9/37'	31/22'	1927	CONT
9474	MOSES SCHOOL	CHAMBESHI	9/25'	31/17'	1952	1983
9749	NSUMBU AGRIC	TANGANYIKA	8/31'	30/29'	1980	CONT
9750	NSUMBU GAME RES.	TANGANYIKA	8/31'	30/29'	1971	CONT
9752	CHIPOTE SCHOOL (WA)	TANGANYIKA	8/41'	30/35'	1971	1981
9759	CHITIMWA AGRIC	TANGANYIKA	8/51'	30/52'	1961	1984
9788	SENGA HILL AGRIC	TANGANYIKA	9/22'	30/15'	1971	CONT
9790	KAKUSU SCHOOL	TANGANYIKA	9/20'	31/07'	1952	1982
9792	MUSOMBEZI	TANGANYIKA	9/15'	31/09'	1961	1970
9805	MPULUNGU PORT	TANGANYIKA	8/45'	31/07'	1939	1983
9806	STELLA MARIS PARISH	TANGANYIKA	8/45'	31/07'	1973	CONT
9815	LUNZUWA GOVT. SCHOOL	TANGANYIKA	9/10'	31/24'	1951	1974
9817	LUNZUWA AGRIC	TANGANYIKA	9/00'	31/22'	1939	1977
9826	MBALA POWER STATION	TANGANYIKA	8/52'	31/20'	1969	1973
9827	MBALA KATULA	TANGANYIKA	8/50'	31/15'	1969	1972

LIST OF METEOROLOGICAL STATION IN ZAMBIA

NO	STATION NAME	CATCHMENT	LAT.	LONG.	FROM	TO
9828	CHISUNGU	TANGANYIKA	8/50'	31/05'	1931	1969
9830	MBALA MET.	TANGANYIKA	8/51'	31/20'	1905	CONT
9831	MBALA FTC	TANGANYIKA	8/50'	31/24'	1985	CONT
9832	LUCHECHE RES. STATION	TANGANYIKA	8/50'	31/20'	1979	CONT
9834	MBALA TOWN	TANGANYIKA	8/51'	31/22'	1953	1970
9835	MBALA CIVIC CENTRE	TANGANYIKA	8/51'	31/22'	1969	1976
9836	MBALA INT. RED LOCUST C.S.	TANGANYIKA	8/52'	31/22'	1954	CONT
9855	KAWIMBE SCHOOL	TANGANYIKA	8/50'	31/32'	1951	1974
9857	KAWIMBE AGRIC	TANGANYIKA	8/49'	31/32'	1976	CONT
9870	MWAMBA RESETTLEMENT AREA	TANGANYIKA	8/55'	31/46'	1961	CONT
9875	MWAMBA	TANGANYIKA	9/04'	31/40'	1961	CONT
9880	MWAMBA (MBALA)	TANGANYIKA	8/54'	31/38'	1962	CONT

LIST OF MAIN METEOROLOGICAL STATION IN STUDY AREA

NO	STATION NAME	CATCHMENT	LAT.	Lon.	ALT.	From
0500	KABWE MET.	LUANGWA	14/25'	28/29'	-	1932
2193	LUSAKA MET. HQ	ZAMBEZI	15/25'	28/19'	1283m	1938
2375	MOUNT MAKULU MET.	KAFUE	15/33'	28/15'	1213m	1951
2525	MAGOYE MET.	KAFUE	16/02'	27/38'	-	1946
2748	MUMBWA MET	KAFUE	14/59'	27/04'	1067m	1904
3180	KASEMPA MET.	KAFUE	13/27'	25/50'	1228m	1903
3570	SOLWEZI MET.	KAFUE	12/11'	26/23'	1320m	1913
4100	NDOLA MET.	KAFUE	13/00'	28/40'	1269m	1913
4375	KAFIRONDA MET.	KAFUE	12/38'	28/10'	-	1965
5350	CHOMA MET.	ZAMBEZI	16/51'	27/04'	1313m	1948
5625	LIVINGSTONE MET.	ZAMBEZI	17/50'	25/50'	907m	1948
5800	SESHEKE	ZAMBEZI	17/28'	24/18'	1021m	1919
5979	SENANGA MET.	ZAMBEZI	16/07'	23/16'	975m	1979
6010	MONGU MET.	ZAMBEZI	15/15'	23/10'	1054m	1953
6210	KAOMA MET.	ZAMBEZI	14/48'	24/48'	1138m	1913
6415	KABOMPO MET.	ZAMBEZI	13/36'	24/12'	-	1948
6525	MWINILUNGA MET.	ZAMBEZI	11/45'	24/26'	1355m	1921
6840	ZAMBEZI MET.	ZAMBEZI	13/34'	25/06'	1085m	1921

GENERAL METEOROLOGICAL CONDITIONS IN STUDY AREA

STATION	ITEMS	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	ANNUAL	
(1) 0500 KABWE	1) RAINFALL(mm)	0	1	1	19	94	243	234	195	114	23	3	0	928	
	2) TEMPERATURE(C)	15.7	18.2	21.9	24.2	23.1	21.6	21.4	21.3	21.1	20.2	18.1	15.8	20.2	
	3) RAINY DAYS	0	0	0	3	11	19	19	17	11	3	1	0	84	
	4) RE. HUMIDITY(%)	51	47	41	42	61	75	81	77	77	77	71	65	55	62
	5) PAN EVAPO.(mm)	165	215	268	295	173	142	137	115	146	153	157	137	2103	
	6) SUNSHINE(hr/day)	9.5	10.1	9.9	9.5	6.9	5.5	5.7	5.7	7.10	8.50	9.6	9.2	8.1	
	7) WIND SPEED(knot)	6.3	6.9	7.0	6.2	4.7	3.8	3.7	3.5	4.4	5.1	5.2	5.6	5.2	
(2) 2193 LUSAKA	1) RAINFALL(mm)	0	0	1	16	86	198	221	183	98	26	4	1	833	
	2) TEMPERATURE(C)	15.1	17.6	21.4	23.8	23.2	21.8	21.6	21.5	21.0	19.9	17.7	15.7	20.0	
	3) RAINY DAYS	0	0	0	3	11	18	20	14	12	4	2	0	84	
	4) RE. HUMIDITY(%)	53	47	39	41	58	76	77	72	68	68	61	57	60	
	5) PAN EVAPO.(mm)	158	204	230	267	241	138	171	135	152	171	183	165	2215	
	6) SUNSHINE(hr/day)	9.4	9.9	9.9	9.3	7.4	5.5	5.8	6.0	6.6	7.8	8.9	8.8	7.9	
	7) WIND SPEED(knot)	7.1	7.8	8.3	8.3	6.2	4.8	3.9	4.3	5.1	5.9	5.7	6.4	6.2	
(3) 2375 MT. MUKULU	1) RAINFALL(mm)	0	0	2	18	97	197	199	179	88	25	7	0	814	
	2) TEMPERATURE(C)	15.8	18.5	22.3	24.6	23.1	21.4	21.2	21.0	20.9	20.0	17.9	15.7	20.2	
	3) RAINY DAYS	0	0	1	3	13	20	20	17	4	3	1	0	82	
	4) RE. HUMIDITY(%)	51	44	37	40	59	74	75	80	77	69	57	55	60	
	5) PAN EVAPO.(mm)	148	203	257	284	196	139	128	111	137	142	143	126	2014	
	6) SUNSHINE(hr/day)	9.3	9.4	9.4	8.8	6.9	5.2	5.6	5.7	6.9	8.2	9.0	8.7	7.8	
	7) WIND SPEED(knot)	3.8	5.1	5.8	5.4	4.1	3.6	3.1	3.0	3.2	3.3	3.5	3.7	4.0	
(4) 3180 KASEMPA	1) RAINFALL(mm)	0	1	4	39	147	260	252	213	176	38	3	0	1131	
	2) TEMPERATURE(C)	15.9	18.4	22.1	23.5	22.1	21.6	21.4	21.6	20.6	20.5	18.1	15.8	20.1	
	3) RAINY DAYS	0	1	1	3	11	19	19	16	10	3	1	1	85	
	4) RE. HUMIDITY(%)	51	45	41	47	71	81	83	83	79	73	59	56	64	
	5) PAN EVAPO.(mm)	137	182	214	218	153	104	109	95	124	129	129	129	1723	
	6) SUNSHINE(hr/day)	9.7	9.7	9.4	8.6	6.0	4.5	4.7	4.7	6.0	8.2	9.4	9.0	7.5	
	7) WIND SPEED(knot)	2.7	3.1	3.3	2.8	1.9	1.6	1.3	1.4	1.7	1.9	2.1	2.4	2.2	
(5) 3570 SOLWEZI	1) RAINFALL(mm)	0	1	3	46	173	280	284	246	237	67	8	0	1343	
	2) TEMPERATURE(C)	15.3	17.6	20.4	22.2	20.1	20.4	20.3	20.6	20.6	19.9	17.3	15.1	19.2	
	3) RAINY DAYS	0	1	2	2	6	9	10	7	8	3	1	0	49	
	4) RE. HUMIDITY(%)	47	42	42	56	77	81	84	82	82	76	64	61	66	
	5) PAN EVAPO.(mm)	132	168	182	181	145	125	124	116	131	123	122	115	1664	
	6) SUNSHINE(hr/day)	10.0	10.0	9.6	7.8	5.9	4.2	4.2	4.8	4.2	6.6	8.3	9.9	7.1	
	7) WIND SPEED(knot)	2.4	2.7	2.6	2.4	2.1	2.0	1.9	1.9	1.8	2.0	2.0	2.2	2.2	

GENERAL METEOROLOGICAL CONDITIONS IN STUDY AREA

STATION	ITEMS	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	ANNUAL
(6) 4100 NDOLA	1) RAINFALL(mm)	0	1	2	24	131	276	284	247	179	36	4	0	1183
	2) TEMPERATURE (C)	16.0	18.5	21.8	23.7	22.5	21.2	21.0	21.1	21.1	20.3	19.9	15.9	20.3
	3) RAINY DAYS	0	1	1	3	12	20	20	19	15	5	1	0	97
	4) RE. HUMIDITY(%)	52	45	41	43	65	79	82	82	77	71	61	58	63
	5) PAN EVAPO.(mm)	161	210	245	259	184	139	124	115	146	157	159	147	2046
	6) SUNSHINE(hr/day)	9.4	9.6	9.4	8.8	6.7	4.8	4.6	4.6	6.1	8.0	9.0	9.0	7.5
	7) WIND SPEED(knot)	5.1	5.8	6.5	6.0	4.8	3.9	3.7	3.2	3.5	4.1	4.0	4.6	4.6
(7) 4375 KAFIRONDA	1) RAINFALL(mm)	0	0	2	34	149	282	302	224	211	69	6	0	1280
	2) TEMPERATURE (C)	14.6	17.3	20.6	22.6	22.0	20.8	21.5	21.2	21.1	20.1	16.3	14.5	19.4
	3) RAINY DAYS	0	0	1	4	13	20	21	18	17	6	1	0	101
	4) RE. HUMIDITY(%)	-	-	-	-	-	-	-	-	-	-	-	-	0
	5) PAN EVAPO.(mm)	-	-	-	-	-	-	-	-	-	-	-	-	0
	6) SUNSHINE(hr/day)	9.9	10.3	9.8	9.1	7.2	5.1	5.2	5.3	6.2	8.2	9.4	9.6	7.9
	7) WIND SPEED(knot)	2.1	2.3	2.7	2.8	2.4	2.1	1.9	1.9	1.7	1.6	1.6	1.7	2.1
(8) 5350 CHOMA	1) RAINFALL(mm)	0	0	2	21	92	190	198	169	100	31	4	0	808
	2) TEMPERATURE (C)	13.8	16.0	19.8	22.7	21.6	21.6	21.4	21.2	20.5	19.2	16.3	13.3	19.0
	3) RAINY DAYS	0	0	0	4	12	16	17	12	7	2	0	0	70
	4) RE. HUMIDITY(%)	58	50	45	45	63	75	79	81	77	73	63	61	64
	5) PAN EVAPO.(mm)	144	181	221	248	189	144	147	129	153	154	148	131	1989
	6) SUNSHINE(hr/day)	9.9	9.9	9.9	9.1	6.9	5.3	5.1	5.8	7.3	8.7	9.1	9.0	8.0
	7) WIND SPEED(knot)	2.6	2.9	3.3	3.4	3.2	2.9	2.4	2.3	2.3	2.3	2.2	2.4	2.7
(9) 5625 LIVINGSTON	1) RAINFALL(mm)	0	0	2	23	81	172	182	158	93	24	7	0	742
	2) TEMPERATURE (C)	15.9	18.9	23.5	26.3	25.1	23.8	23.5	23.3	23.1	22.0	18.9	15.8	21.7
	3) RAINY DAYS	0	0	1	3	11	16	17	15	9	4	1	0	77
	4) RE. HUMIDITY(%)	46	38	32	35	56	70	74	76	67	59	51	50	55
	5) PAN EVAPO.(mm)	150	196	251	281	217	162	164	136	164	159	158	132	2170
	6) SUNSHINE(hr/day)	9.8	10.1	9.8	8.9	7.2	5.9	6.4	6.5	7.9	9.0	9.7	9.5	8.4
	7) WIND SPEED(knot)	4.6	5.1	5.9	5.7	5.0	3.9	4.3	4.2	4.5	4.3	3.9	4.3	4.6
(10) 5800 SESHEKE	1) RAINFALL(mm)	0	0	3	23	71	150	160	150	108	25	3	1	694
	2) TEMPERATURE (C)	14.8	17.7	22.3	25.8	25.2	24.2	23.9	23.6	23.2	21.7	17.9	14.2	21.2
	3) RAINY DAYS	0	0	1	3	12	17	16	15	9	3	1	0	77
	4) RE. HUMIDITY(%)	48	39	33	39	58	72	75	75	72	64	55	52	57
	5) PAN EVAPO.(mm)	-	-	-	-	-	-	-	-	-	-	-	-	0
	6) SUNSHINE(hr/day)	-	-	-	-	-	-	-	-	-	-	-	-	0.0
	7) WIND SPEED(knot)	2.5	3.0	3.7	4.0	3.9	3.3	2.5	2.7	2.9	2.6	2.5	2.4	3.0
(11) 6010 MONGU	1) RAINFALL(mm)	0	1	2	33	103	204	216	204	152	38	4	0	957
	2) TEMPERATURE (C)	16.8	20.4	24.3	25.5	23.9	23.1	23.1	22.8	23.0	22.3	19.8	17.3	21.9
	3) RAINY DAYS	0	0	0	4	11	16	16	15	13	4	1	0	80
	4) RE. HUMIDITY(%)	43	36	33	42	66	76	79	79	75	67	55	51	59
	5) PAN EVAPO.(mm)	-	-	-	-	-	-	-	-	-	-	-	-	0
	6) SUNSHINE(hr/day)	9.9	10.0	9.4	8.5	6.5	5.6	5.9	5.5	6.9	8.6	9.8	9.7	8.0
	7) WIND SPEED(knot)	-	-	-	-	-	-	-	-	-	-	-	-	0.0
(12) 6210 KAOMA	1) RAINFALL(mm)	0	0	4	34	115	217	213	194	133	34	4	0	946
	2) TEMPERATURE (C)	16.2	19.1	22.9	24.7	23.4	22.3	22.2	22.4	22.2	21.2	18.6	15.9	20.9
	3) RAINY DAYS	0	0	1	4	12	19	18	16	12	4	1	0	87
	4) RE. HUMIDITY(%)	46	40	35	42	66	77	79	81	75	66	56	53	60
	5) PAN EVAPO.(mm)	-	-	-	-	-	-	-	-	-	-	-	-	0
	6) SUNSHINE(hr/day)	-	-	-	-	-	-	-	-	-	-	-	-	0.0
	7) WIND SPEED(knot)	3.3	3.4	3.6	3.3	2.6	2.2	2.1	2.2	2.4	2.6	2.8	2.9	2.8
(13) 6415 KABOMPO	1) RAINFALL(mm)	0	0	4	38	153	223	232	201	167	41	4	1	1065
	2) TEMPERATURE (C)	16.9	19.5	22.1	24.7	23.3	22.5	22.5	22.5	22.5	21.6	19.1	16.6	21.2
	3) RAINY DAYS	0	0	1	4	13	19	19	17	13	5	1	0	92
	4) RE. HUMIDITY(%)	52	43	38	49	71	77	81	82	75	69	59	55	63
	5) PAN EVAPO.(mm)	149	166	208	217	154	149	137	120	143	149	157	140	1889
	6) SUNSHINE(hr/day)	8.9	9.5	9.4	8.4	5.9	4.5	5.8	5.9	5.2	6.6	9.4	8.6	7.3
	7) WIND SPEED(knot)	1.7	1.9	2.1	2.1	1.6	1.4	1.3	1.4	1.3	1.3	1.4	1.5	1.6
(14) 6525 MWINILUNGA	1) RAINFALL(mm)	0	2	18	98	213	259	236	210	261	95	11	1	1403
	2) TEMPERATURE (C)	16.1	18.6	22.3	21.8	20.8	20.4	20.5	20.5	20.6	20.3	18.1	15.8	19.7
	3) RAINY DAYS	1	2	3	11	21	25	23	21	22	11	1	0	141
	4) RE. HUMIDITY(%)	53	47	46	57	79	84	84	84	83	76	63	58	68
	5) PAN EVAPO.(mm)	155	176	196	150	107	109	113	96	107	116	146	126	1597
	6) SUNSHINE(hr/day)	10.1	9.6	8.7	7.2	4.9	4.2	4.3	4.1	4.9	7.3	9.6	9.9	7.1
	7) WIND SPEED(knot)	2.8	3.0	3.0	2.8	2.5	2.4	2.4	2.4	2.1	2.2	2.5	2.7	2.6
(15) 6840 ZAMBEZI	1) RAINFALL(mm)	0	0	9	50	140	220	233	200	166	43	3	0	1065
	2) TEMPERATURE (C)	17.2	20.0	23.9	24.7	23.1	22.5	22.5	22.3	22.4	22.1	19.5	16.9	21.4
	3) RAINY DAYS	0	0	1	5	10	18	19	17	11	4	0	0	85
	4) RE. HUMIDITY(%)	49	42	37	49	71	79	81	81	77	69	59	53	62
	5) PAN EVAPO.(mm)	164	214	258	241	180	152	155	151	154	167	159	147	2142
	6) SUNSHINE(hr/day)	9.8	9.7	9.2	8.1	6.1	5.6	5.4	5.4	6.0	8.1	9.5	9.6	7.7
	7) WIND SPEED(knot)	3.3	3.8	3.8	2.9	2.4	2.3	2.2	2.1	2.3	2.6	2.8	2.9	2.8

HM ST.: 0500 KABWE

(MONTHLY RAINFALL (mm))

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
33	0.0	0.0	0.0	0.0	62.5	269.2	243.6	355.1	44.7	0.0	0.0	0.3	975.4
34	0.0	0.0	0.0	0.0	113.5	178.3	209.3	134.9	197.6	10.4	0.0	0.5	844.6
1934/35	0.0	0.0	0.0	3.0	80.3	421.6	162.6	167.9	147.6	7.4	8.1	0.0	998.5
36	0.0	0.0	0.0	0.5	44.5	175.3	54.6	310.4	170.4	6.4	1.5	0.3	763.8
37	1.0	2.0	0.0	11.2	145.3	209.0	95.5	147.8	32.5	0.0	0.0	0.0	644.4
38	0.0	0.0	0.0	5.1	36.3	273.1	231.6	204.5	45.7	33.3	0.0	0.0	829.6
39	0.0	0.0	0.0	16.0	48.5	208.8	354.8	236.7	139.7	1.3	2.5	0.0	1008.4
1939/40	2.3	0.0	21.3	43.4	119.1	307.8	189.0	407.7	178.8	39.4	0.0	3.8	1312.7
41	0.0	0.0	0.0	21.3	53.6	211.8	400.6	125.2	128.8	0.8	0.0	0.0	942.1
42	0.0	0.0	0.0	40.9	45.2	183.9	247.7	70.4	76.5	2.0	0.0	0.0	666.5
43	1.8	0.0	0.0	42.9	103.4	219.2	374.7	249.7	99.6	58.2	0.0	0.0	1149.4
44	0.0	0.0	0.0	0.0	78.7	266.7	160.3	240.5	61.0	7.6	0.0	1.0	815.8
1944/45	0.0	0.0	0.0	0.0	161.5	129.3	292.6	173.2	102.1	6.1	0.8	0.0	865.6
46	0.0	0.0	0.0	0.8	80.8	237.7	329.7	101.6	100.8	4.3	0.0	0.5	856.2
47	0.0	0.0	0.0	0.0	136.1	170.2	99.1	121.9	126.7	2.0	0.0	0.0	656.1
48	0.0	0.0	0.0	12.4	103.9	146.1	237.7	260.9	252.2	63.0	0.0	0.0	1076.2
49	0.0	0.0	0.0	88.6	118.6	41.1	135.1	78.7	164.6	19.3	0.0	1.0	647.2
1949/50	0.0	0.0	0.0	3.3	110.0	266.7	248.7	145.0	195.1	42.7	0.0	0.0	1011.4
51	0.0	0.0	0.0	1.8	51.1	179.6	325.1	52.8	87.1	11.4	0.0	0.0	708.9
52	0.0	48.3	0.8	67.1	153.4	334.5	321.3	290.6	55.9	10.7	0.0	0.0	1282.4
53	0.0	0.0	0.0	29.2	137.2	165.1	194.1	198.4	315.7	40.4	0.0	0.0	1080.0
54	0.0	0.0	0.0	8.1	88.6	319.0	214.9	172.7	49.0	0.0	0.0	0.0	852.4
1954/55	0.0	0.0	0.0	63.5	108.2	240.3	217.9	360.4	61.0	28.2	0.0	0.0	1079.5
56	0.0	0.0	0.0	5.8	87.6	228.3	195.1	190.5	211.8	98.6	0.0	0.0	1017.8
57	0.0	0.0	10.7	1.5	135.4	191.0	223.0	188.7	82.8	0.0	4.1	0.0	837.2
58	0.0	0.0	0.0	28.7	5.8	336.6	333.2	289.1	36.3	2.8	0.0	0.0	1032.5
59	0.3	0.0	29.2	35.3	57.9	261.4	151.4	444.0	134.1	6.4	1.0	0.0	1120.9
1959/60	0.0	0.0	0.0	0.3	100.6	357.4	262.4	133.9	107.7	25.9	14.2	0.5	1002.8
61	0.0	0.0	0.0	0.0	163.1	115.1	435.4	246.6	164.8	28.4	0.0	0.0	1153.4
62	0.0	0.0	0.0	0.3	78.7	252.0	295.1	169.7	233.7	97.5	0.0	0.0	1127.0
63	0.0	0.0	0.0	0.0	167.1	440.2	245.9	204.0	137.2	0.3	0.0	0.0	1194.6
64	0.0	0.0	0.0	67.3	75.9	250.4	215.9	299.0	65.8	0.0	0.0	0.0	974.3
1964/65	0.0	0.0	0.0	14.7	75.2	167.4	404.1	182.1	50.3	0.0	0.0	0.0	893.8
66	0.0	0.0	1.0	23.9	69.9	146.6	236.5	240.3	43.4	14.7	6.1	0.0	782.3
67	0.0	0.0	4.3	0.0	32.8	201.4	335.8	89.7	131.1	12.7	0.0	0.0	807.7
68	0.0	0.0	0.0	62.0	58.9	298.2	124.0	93.0	74.7	25.7	1.3	0.0	737.6
69	0.0	0.0	0.5	0.0	117.3	441.2	356.1	185.4	312.9	8.1	29.7	0.0	1451.4
1969/70	0.0	0.0	0.0	42.9	68.6	459.5	104.9	82.6	17.8	64.8	0.0	0.0	841.0
71	0.0	0.0	0.0	14.5	180.6	170.2	281.4	152.7	24.1	10.7	0.0	0.0	834.1
72	0.0	0.0	2.5	4.6	111.0	191.3	302.5	94.2	45.0	14.2	0.0	0.0	765.3
73	0.0	0.0	0.0	26.4	22.6	181.6	106.1	315.4	19.0	16.1	0.0	0.0	687.2
74	0.0	0.0	0.7	54.0	82.0	286.2	386.0	227.2	99.4	36.8	36.6	0.0	1208.9
1974/75	0.0	0.0	0.0	0.0	165.1	265.4	161.0	207.7	49.0	6.3	2.5	0.0	857.0
76	0.0	0.0	0.0	0.0	110.6	194.3	154.7	133.0	258.9	35.2	14.6	0.0	901.3
77	0.0	0.0	0.8	37.4	27.3	285.1	98.1	157.8	149.5	0.2	0.0	0.0	756.2
78	0.0	2.4	0.1	0.0	67.7	298.8	284.4	327.7	238.9	89.6	11.9	0.0	1321.5
79	0.0	0.0	0.0	31.6	34.2	426.9	122.4	61.6	80.2	6.5	0.0	0.0	763.4
1979/80	0.0	0.0	0.0	7.4	256.1	269.3	105.5	186.4	115.9	28.6	0.0	0.0	969.2
81	0.0	0.0	8.8	40.0	160.8	360.0	248.7	254.3	111.3	86.0	0.0	0.0	1269.9
82	0.0	0.0	0.0	0.0	20.3	59.8	287.5	229.5	31.7	9.5	12.7	0.0	651.0
83	0.0	0.0	0.0	27.8	212.5	119.7	256.6	121.5	91.1	39.9	2.6	0.0	871.7
84	0.0	0.0	0.0	18.9	111.8	246.0	76.8	181.1	99.7	13.0	0.0	0.0	747.3
1984/85	0.0	0.0	0.0	0.0	97.0	405.6	254.9	173.6	138.2	14.7	10.4	0.0	1094.4
86	0.0	0.0	0.0	20.2	62.2	300.9	289.1	129.5	83.2	137.7	0.0	0.0	1022.8
87	0.0	0.0	0.0	37.9	67.2	180.7	251.0	88.7	38.3	0.0	0.9	0.0	664.7
88	0.0	0.0	1.5	2.5	47.0	197.2	169.3	148.3	69.3	2.9	0.0	2.8	640.8
89	0.0	0.0	0.0	43.3	55.0	114.7	233.8	279.0	92.0	5.0	0.0	0.0	822.8
AVG (mm)	0.1	0.9	1.4	19.4	94.1	243.1	233.8	195.0	113.5	23.4	2.8	0.2	927.9
MAX (mm)	2.3	48.3	29.2	88.6	256.1	459.5	435.4	444.0	315.7	137.7	36.6	3.8	1451.4
MIN (mm)	0.0	0.0	0.0	0.0	5.8	41.1	54.6	52.8	17.8	0.0	0.0	0.0	640.8

HM ST.: 2193 LUSAKA

[MONTHLY RAINFALL (mm)]

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
39	0.0	0.0	0.0	2.8	105.9	170.4	284.7	350.5	212.3	15.7	4.3	0.0	1146.8
1939/40	0.0	0.0	8.4	1.3	84.8	249.9	145.8	298.7	219.7	60.5	0.0	0.8	1069.8
41	0.0	0.0	0.0	23.6	166.6	101.6	397.8	70.4	115.6	0.0	2.0	0.0	877.6
42	0.0	0.0	0.0	35.8	73.4	174.2	243.3	37.8	87.6	0.8	0.0	0.0	653.0
43	1.5	0.0	0.0	31.5	46.5	170.2	256.3	182.4	261.6	35.1	4.1	0.0	989.1
44	0.0	0.0	0.0	0.0	96.8	142.7	164.1	499.4	49.3	7.9	0.3	6.6	967.0
1944/45	0.0	0.0	0.0	6.6	97.5	112.5	162.8	147.8	126.0	16.8	0.0	0.0	670.1
46	0.0	0.0	0.0	2.5	75.7	94.2	226.3	137.9	74.7	4.6	0.0	2.0	618.0
47	0.0	0.0	0.0	0.0	112.0	93.5	221.7	31.0	116.1	12.7	0.5	0.0	587.5
48	0.0	0.0	0.0	2.0	57.9	191.3	197.6	139.2	162.8	18.3	4.8	0.0	773.9
49	0.0	0.0	0.0	137.7	147.3	68.1	76.2	80.8	105.2	21.8	13.0	0.0	650.0
1949/50	0.0	0.0	0.0	0.3	66.3	230.4	233.2	320.3	76.7	30.7	0.0	0.0	957.8
51	1.5	0.0	0.0	0.0	68.3	124.7	209.3	91.2	81.0	2.0	0.0	0.0	578.1
52	0.0	0.0	3.0	29.7	71.6	257.8	451.9	242.1	4.8	3.3	0.3	0.0	1064.5
53	0.0	0.0	0.0	9.4	93.5	168.1	327.9	213.6	147.1	39.6	0.0	0.0	999.2
54	0.0	0.0	0.0	3.8	100.3	171.2	268.0	199.1	30.0	0.0	0.0	0.0	772.4
1954/55	0.0	0.0	0.0	9.4	54.6	247.9	144.5	117.9	34.5	37.6	0.0	0.0	646.4
56	0.0	0.0	0.0	17.0	57.7	94.5	141.0	252.2	249.7	53.3	0.0	5.6	871.0
57	0.0	0.0	0.0	0.0	209.8	200.9	169.4	129.8	42.2	20.8	1.0	0.0	773.9
58	0.0	0.0	14.5	20.8	5.6	252.7	263.9	319.8	20.1	24.4	0.0	0.3	922.0
59	0.0	0.0	1.0	24.4	64.5	275.8	169.4	148.6	24.9	3.3	26.9	0.0	738.9
1959/60	0.0	0.0	0.8	17.8	41.4	267.0	178.8	190.0	39.9	13.2	30.2	0.0	779.0
61	0.0	0.0	0.0	0.0	108.5	105.2	232.7	160.3	144.5	28.7	1.0	8.4	789.2
62	0.0	0.0	0.0	2.5	146.8	153.2	255.8	111.3	140.7	25.4	3.6	0.0	839.2
63	0.8	0.5	0.0	0.0	81.5	417.3	153.7	247.7	63.0	0.0	0.0	0.0	964.4
64	0.0	0.0	0.0	42.4	48.8	208.8	138.9	142.5	62.5	0.0	0.0	0.0	643.9
1964/65	0.0	0.0	0.0	3.6	138.9	284.7	253.5	168.7	32.8	10.4	1.8	0.0	894.3
66	0.0	0.0	1.5	9.1	48.3	98.8	259.8	255.3	25.7	4.8	38.6	0.0	741.9
67	0.0	0.0	2.0	0.8	23.1	258.1	233.9	175.8	78.0	27.4	0.8	0.0	799.8
68	0.0	6.1	0.0	38.4	40.9	163.6	258.8	172.2	29.2	57.7	17.3	0.0	784.1
69	0.0	0.0	0.0	0.0	70.9	277.1	250.7	121.4	141.7	16.0	0.0	0.0	877.8
1969/70	0.0	0.3	0.0	36.6	55.9	424.9	91.9	62.2	8.9	26.7	0.0	0.8	708.2
71	0.0	0.0	0.0	6.4	218.7	121.4	347.0	112.3	21.8	52.6	2.5	0.3	882.9
72	0.0	0.0	5.8	19.6	108.2	152.7	358.1	111.5	35.6	41.7	0.0	0.0	833.1
73	0.0	0.0	12.7	23.9	46.5	84.6	212.9	178.6	91.6	20.9	0.0	0.0	671.6
74	0.0	0.0	0.0	47.9	135.8	219.1	144.0	314.6	189.7	25.6	23.2	0.0	1099.9
1974/75	0.0	0.0	0.0	6.1	252.3	239.1	177.0	239.4	37.4	5.1	0.0	0.0	956.4
76	0.0	0.0	0.0	5.6	31.3	177.7	174.0	102.5	271.6	52.1	2.0	0.0	816.8
77	0.0	0.0	0.0	17.5	80.1	189.1	66.7	177.7	151.2	3.3	0.0	0.0	685.6
78	0.0	0.0	14.3	2.7	133.4	371.5	295.6	150.5	257.9	89.6	7.9	0.0	1323.4
79	0.0	0.0	0.0	1.7	34.0	417.0	88.5	144.0	135.3	8.0	0.3	0.0	828.8
1979/80	0.0	0.0	0.0	13.0	166.2	226.9	119.6	169.3	92.9	76.4	0.0	0.0	864.3
81	0.0	0.0	0.0	11.5	70.2	146.9	278.9	236.6	152.6	70.3	0.0	0.0	967.0
82	0.0	0.0	0.0	3.6	141.3	57.6	390.0	204.5	9.3	39.3	6.4	0.0	852.0
83	0.0	0.0	0.0	54.3	49.7	62.7	185.6	173.7	40.1	18.8	0.0	0.0	584.9
84	0.0	0.0	0.0	5.4	57.8	210.5	55.2	141.5	62.5	15.6	0.0	0.0	548.5
1984/85	0.0	0.0	0.0	2.1	97.5	186.7	214.2	184.0	42.1	0.6	0.0	0.0	727.2
86	0.0	0.0	0.0	19.7	27.5	326.5	316.9	110.3	122.2	181.0	0.0	0.0	1104.1
87	0.0	0.0	0.0	41.7	31.0	241.3	217.1	79.5	10.1	0.0	1.5	0.0	622.2
88	0.0	0.0	9.7	0.0	37.5	233.5	161.3	153.6	102.7	1.0	0.0	1.0	700.3
89	0.0	0.0	0.0	2.2	20.0	165.0	385.9	527.6	163.0	5.5	0.0	0.0	1269.2
AVG (mm)	0.1	0.1	1.4	15.6	86.3	197.7	220.6	182.9	98.0	26.0	3.8	0.5	833.1
MAX (mm)	1.5	6.1	14.5	137.7	252.3	424.9	451.9	527.6	271.6	181.0	38.6	8.4	1323.4
MIN (mm)	0.0	0.0	0.0	0.0	5.6	57.6	55.2	31.0	4.8	0.0	0.0	0.0	548.5

HM ST.: 2375 MOUNT MAKULU

[MONTHLY RAINFALL (mm)]

YEAR	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
53	0.0	0.0	0.0	4.6	86.1	186.7	318.8	149.4	112.8	39.1	0.0	0.0	897.4
54	0.0	0.0	0.0	3.0	153.2	147.6	238.8	174.0	76.7	0.0	0.0	0.0	793.2
1944/55	0.0	0.0	0.0	1.3	78.2	256.5	204.0	136.9	46.7	74.7	0.0	0.0	798.3
56	0.0	0.0	0.0	23.9	42.7	94.0	175.8	346.2	110.0	59.7	0.0	0.0	852.2
57	0.0	0.0	0.0	0.0	144.0	167.9	143.5	159.3	77.5	6.1	0.5	0.0	698.8
58	0.0	0.0	24.4	22.6	11.2	215.4	267.7	253.5	56.4	19.6	0.0	0.0	870.7
59	0.0	0.0	0.5	16.3	109.7	252.2	206.0	190.8	35.3	35.3	14.2	0.0	860.3
1959/60	0.0	0.0	0.8	1.0	70.6	316.5	141.2	190.2	45.2	6.6	59.7	0.0	831.9
61	0.0	0.0	0.0	5.3	77.5	189.0	294.1	196.9	125.0	33.0	1.8	13.2	935.7
62	0.0	0.0	0.0	3.6	101.1	169.9	206.5	141.0	59.4	48.5	3.8	0.0	733.8
63	0.3	0.0	0.0	0.0	143.8	341.4	74.9	238.3	83.6	4.3	0.0	0.0	886.5
64	0.0	0.0	0.0	11.7	75.7	187.2	127.0	117.6	66.3	0.0	0.0	0.0	585.5
1964/65	0.0	0.0	0.0	2.0	138.4	267.0	194.8	190.0	29.0	0.0	0.5	0.0	821.7
66	0.0	0.0	8.6	2.3	38.4	112.3	222.8	318.0	56.9	16.8	8.1	0.0	784.1
67	0.0	0.0	2.5	0.0	31.8	245.4	183.6	140.2	14.0	22.6	23.6	0.0	663.7
68	0.0	10.7	6.6	46.5	45.5	212.3	116.8	187.7	64.5	27.7	11.2	0.0	729.5
69	0.0	0.0	0.0	0.0	118.4	276.6	213.9	95.0	157.7	42.7	0.0	0.0	904.2
1969/70	0.0	0.0	0.0	71.6	34.3	297.2	130.6	97.0	7.6	17.0	0.0	0.0	655.3
71	0.0	0.0	0.0	11.7	251.7	123.4	187.7	168.7	34.0	32.0	16.5	0.0	825.8
72	0.0	0.0	10.2	0.5	102.1	154.2	272.8	118.1	65.3	15.7	0.5	0.0	739.4
73	0.0	0.0	3.6	60.2	42.9	120.9	157.3	124.9	20.0	15.1	0.0	0.0	544.9
74	0.0	0.0	4.5	8.6	58.6	136.7	312.6	259.0	134.8	8.4	53.1	0.0	976.3
1974/75	0.0	0.0	0.0	0.0	106.0	211.4	205.5	180.0	69.7	2.8	0.0	0.0	775.4
76	0.0	0.0	0.0	12.0	46.7	169.6	263.7	189.7	221.1	72.5	8.8	0.0	984.1
77	0.0	0.0	0.0	28.3	110.3	360.1	126.8	82.0	166.6	3.9	0.0	0.0	878.0
78	0.0	0.0	9.3	0.6	130.7	237.2	196.3	179.4	342.8	80.1	20.3	0.0	1196.7
79	0.0	0.0	0.0	0.0	141.4	339.0	124.1	165.5	98.5	0.0	0.0	0.0	868.5
1979/80	0.0	0.0	0.0	19.0	210.2	21.1	188.1	174.3	53.0	15.6	0.0	0.0	681.3
81	0.0	0.0	0.0	10.8	114.6	224.0	283.1	305.3	134.1	42.1	0.0	0.0	1114.0
82	0.0	0.0	0.0	0.0	177.4	49.5	274.0	231.5	14.7	13.9	0.7	0.0	761.7
83	0.0	0.0	0.0	57.8	102.0	92.1	93.9	84.2	128.2	54.6	0.0	0.0	612.8
84	0.0	0.0	0.0	29.4	38.6	143.2	173.9	188.2	66.6	2.3	0.0	0.0	642.2
1984/85	0.0	0.0	11.4	2.6	63.1	181.1	134.5	215.7	133.1	8.6	0.6	0.0	750.7
86	0.0	0.0	0.0	19.7	124.7	194.8	328.5	211.1	138.3	46.1	0.0	0.0	1063.2
87	0.0	0.0	0.0	164.5	77.9	205.7	194.8	75.5	33.9	0.0	7.1	0.0	759.4
88													
89													
AVG (mm)	0.0	0.3	2.4	18.3	97.1	197.1	199.4	179.3	88.0	24.8	6.6	0.4	813.6
MAX (mm)	0.3	10.7	24.4	164.5	251.7	360.1	328.5	346.2	342.8	80.1	59.7	13.2	1196.7
MIN (mm)	0.0	0.0	0.0	0.0	11.2	21.1	74.9	75.5	7.6	0.0	0.0	0.0	544.9

HM ST.: 2525 MAGOYE

[MONTHLY RAINFALL (mm)]

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	ANNUAL
47	0.0	0.0	0.0	0.0	67.3	101.1	98.3	47.8	63.2	25.1	0.0	0.0	402.8
48	0.0	0.0	0.0	15.7	78.0	141.2	108.2	205.7	270.5	32.3	12.2	0.0	863.9
49	0.0	0.0	0.0	22.6	141.7	55.1	130.3	81.8	77.5	0.8	0.0	0.0	509.8
1949/50	0.0	0.0	0.0	0.8	82.8	379.7	119.4	282.4	115.8	48.0	0.0	0.0	1029.0
51	0.0	0.0	0.0	4.1	73.4	192.8	189.2	69.3	32.5	11.4	0.0	0.0	572.8
52	0.0	0.0	0.0	109.2	35.1	227.8	471.9	230.9	32.8	8.9	0.0	0.0	1116.6
53	0.0	0.0	0.0	3.8	54.4	180.6	333.2	247.4	228.9	2.3	0.0	0.0	1050.5
54	0.0	0.0	5.6	0.0	134.4	284.7	282.4	179.1	40.4	0.5	0.0	0.0	927.1
1954/55	0.0	0.0	0.0	0.0	200.9	360.4	136.9	176.5	102.4	55.9	0.0	0.0	1033.0
56	0.0	0.0	0.0	60.5	133.1	285.0	178.8	240.5	142.0	56.9	0.0	0.0	1096.8
57	0.0	0.0	0.0	7.1	87.1	221.0	166.6	94.0	44.5	26.9	0.0	0.0	647.2
58	0.0	0.0	0.0	9.4	39.6	340.1	252.5	376.2	22.6	22.1	0.0	0.8	1063.2
59	0.0	0.0	0.8	25.1	88.4	266.4	74.9	269.0	21.6	4.1	9.4	0.0	759.7
1959/60	0.0	0.0	0.0	0.0	56.3	287.3	166.9	188.5	52.3	3.0	5.3	6.6	776.2
61	0.0	0.0	0.0	0.0	116.8	107.7	207.0	111.0	150.6	13.5	0.0	0.5	707.1
62	0.0	0.0	0.0	4.1	123.7	212.3	225.0	232.4	23.9	34.5	0.0	0.0	856.0
63	0.0	0.0	0.0	1.5	142.2	454.9	202.4	178.8	40.1	37.1	0.0	0.0	1057.1
64	0.0	0.0	1.3	6.1	118.6	208.0	164.6	173.0	64.0	0.0	0.0	0.0	735.6
1964/65	0.0	0.0	0.0	26.4	63.0	369.8	246.9	54.6	9.9	0.0	2.5	0.0	773.2
66	0.0	0.0	1.3	11.9	90.2	74.9	224.5	344.9	69.1	9.1	16.5	8.4	850.9
67	0.0	1.3	0.0	1.0	11.9	216.4	205.2	107.2	39.1	26.9	3.0	0.0	612.1
68	0.0	0.0	0.0	57.9	78.2	54.4	172.2	73.7	50.3	32.8	15.0	0.0	534.4
69	0.0	0.0	0.0	0.0	214.1	324.4	208.5	99.6	128.3	84.6	0.0	0.0	1059.4
1969/70	0.0	0.0	0.0	64.5	59.2	308.1	62.5	108.7	15.0	99.3	0.0	0.0	717.3
71	0.0	0.0	0.3	11.4	181.1	254.5	267.5	95.5	45.7	51.1	0.0	0.0	907.0
72	0.0	0.0	1.5	1.5	159.0	170.9	211.8	115.6	142.7	30.7	0.0	0.0	833.9
73	0.0	0.0	0.0	7.9	43.9	97.0	183.9	137.7	37.8	53.1	0.0	0.0	561.3
74	0.0	0.0	0.0	36.8	75.7	290.8	216.7	276.1	77.0	0.0	20.1	0.0	993.2
1974/75	0.0	0.0	0.0	0.0	133.9	236.2	166.6	240.1	56.6	0.3	0.0	0.0	833.7
76	0.0	0.0	0.0	22.1	52.3	143.8	180.6	80.5	248.9	90.7	12.7	0.0	831.6
77	0.0	0.0	0.0	2.0	78.5	189.4	70.3	115.6	88.5	1.7	0.0	0.0	546.0
78	0.0	0.0	0.0	0.0	108.7	294.2	212.2	139.0	229.2	33.2	17.3	0.0	1033.8
79	0.0	0.0	0.0	23.7	95.7	342.7	68.9	129.0	123.6	2.4	0.0	0.0	786.0
1979/80	0.0	0.0	0.0	46.5	119.9	330.7	137.0	197.9	104.5	10.7	0.0	0.0	947.2
81	0.0	0.0	0.0	22.4	79.7	185.0	190.0	310.3	65.1	37.1	0.0	0.0	889.6
82	0.0	0.0	0.0	6.4	54.9	61.6	282.0	188.2	15.2	6.4	0.0	0.0	614.7
83	0.0	0.0	9.9	47.9	56.6	75.6	258.3	55.4	95.4	30.0	0.0	0.0	629.1
84	0.0	0.0	0.0	15.7	57.7	195.0	85.0	89.2	132.5	19.5	0.0	0.0	594.6
1984/85	0.0	0.0	0.0	3.7	47.2	189.1	235.0	195.5	76.9	1.2	0.0	0.0	748.6
86	0.0	0.0	0.0	20.8	92.0	187.7	149.6	112.9	74.0	84.9	0.0	0.0	721.9
87	0.0	0.0	0.0	112.5	57.2	149.3	103.2	103.5	127.0	0.0	29.6	0.0	682.3
88													
89													
AVG (mm)	0.0	0.0	0.5	19.8	92.5	220.7	186.5	164.8	87.3	26.6	3.5	0.4	802.6
MAX (mm)	0.0	1.3	9.9	112.5	214.1	454.9	471.9	376.2	270.5	99.3	29.6	8.4	1116.6
MIN (mm)	0.0	0.0	0.0	0.0	11.9	54.4	62.5	47.8	9.9	0.0	0.0	0.0	402.8