

1. DRAINAGE AREA CORANTIJN

1.1 DESCRIPTION OF OBSERVATION STATIONS

1107 CLARA SLUIS

Location : Corantijn river, km 33, near right bank, on Police landing stage at Clara Sluice, Corantijn Polder. Latitude 5°54'N.; Longitude 57°05'W.

Gauge and Datum : Fuess (1026F) recorder referred to a staff gauge. Zero of gauge not constant but related to N.S.P. datum by regular levelling to nearby reference marks.

Reference Marks : RB 1^R = 2.514 m N.S.P. ; RB 3604 = 2.495 m N.S.P.; WA 100 = 2.779 m N.S.P.

Records available : Waterlevels from January 1970.

Remarks : During period 22 July 1973 until 12 August 1975 station was temporarily located about 400 m upriver from present site.

1114 MAC CLEMEN

Location : Corantijn river, km 72, near right bank, about 100 m downstream from the mouth of Peper Creek. Latitude 5°35'N.; Longitude 57°09'W.

Gauge and Datum : Fuess (1026F) recorder referred to a staff gauge. Zero of gauge not constant but related to N.S.P. datum by regular levelling to nearby reference marks.

Reference Marks : OM 8 = 2.446 m N.S.P.; OM 1017 = 2.396 m N.S.P.

Records available : Waterlevels from February 1966; Chlorinity and silt contents of river water from February 1969.

Remarks : None

1122 OREALA

Location : Corantijn river, km 112, near right bank, opposite Oreala village in Guyana. Latitude 5°19'N.; Longitude 57°19'W.

Gauge and Datum : Fuess (1026F) recorder referred to a staff gauge. Zero of gauge not constant but related to N.S.P. datum by regular levelling to nearby reference marks.

Reference Marks : OM 13^A = 1.651 m N.S.P.; OM 13 = 3.423 m N.S.P.

Records available : Waterlevels from February 1966

Remarks : None

1131 APOERA

Location : Corantijn river, km 154, near right bank, about 70 m downstream from landing stage at Apoera. Latitude 5°10'N.; Longitude 57°10'W.

Gauge and Datum : Fuess (1026F) recorder referred to a staff gauge. Zero of gauge not constant but related to N.S.P. datum by regular levelling to nearby reference marks.

Reference Marks : OM 18 = 6.235 m N.S.P. ; BWKW 49 = 6.736 m N.S.P.

Records available : Waterlevels from March 1963.

Remarks : A Stevens A35 recorder was in operation from 5 July 1968 until 10 October 1972.

1140 KABALEBO MONDING

Location : Kabalebo river, a tributary of Corantijn river, km 200, near left bank, about 200 m upstream from the confluence of Corantijn and Kabalebo rivers. Latitude 5°01'N.; Longitude 57°17'W.

Gauge and Datum : Fuess (1026F) recorder referred to a staff gauge. Zero of gauge is 1.35 m below N.S.P. datum

Reference Marks : BWKW 93 = 7.130 m N.S.P.

Records available : Waterlevels from December 1964.

Remarks : Station operated and maintained by H.S. who supply the processed data to H.R.D. for publication. There were no data available in 1986

1310 NANNI BEKKEN

Location : Nanni swamp, km 53, near the eastern swamp-holding dam, about 30 m eastwards from the inlet sluice on the Van Wouw canal. Latitude 5°49'N.; Longitude 56°58'W.

Gauge and Datum : Fuess (1026F) recorder referred to a staff gauge. Zero of gauge not constant but related to N.S.P. datum by regular levelling to nearby reference marks.

Reference Marks : RB 1^k = 3.810 m N.S.P.

Records available : Waterlevels from August 1967

Remarks : None

1311	<u>FRAZER</u>	<p>Location : Nanni creek, km 60, near right bank, in the Nanni swamp about 7 km upstream from Nanni dam at a place called Frazer. Latitude 5°45'N.; Longitude 56°58'W.</p> <p>Gauge and Datum : Fuess (1026F) recorder referred to a staff gauge. Zero of gauge is an arbitrary datum (L.D.)</p> <p>Reference Marks : None</p> <p>Records available : Waterlevels from 1982</p> <p>Remarks : None</p>
1313	<u>KAAIMAN</u>	<p>Location : Nanni creek, km 65, near left bank, in the Nanni swamp about 12 km upstream from Nanni dam near the mouth of Kaaiman creek. Latitude 5°44'N.; Longitude 56°56'W.</p> <p>Gauge and Datum : Fuess (1026F) recorder referred to a staff gauge. Zero of gauge is an arbitrary datum (L.D.)</p> <p>Reference Marks : None</p> <p>Records available : Waterlevels from 1982.</p> <p>Remarks : From 1984, station not in operation.</p>
1314	<u>BIGI DRAAI</u>	<p>Location : Nanni creek, km 68, near left bank, in Nanni swamp about 15 km upstream from Nanni dam at the river bend called "bigi draai". Latitude 5°42'N.; Longitude 56°57'W.</p> <p>Gauge and Datum : Fuess (1026F) recorder referred to a staff gauge. Zero of gauge is an arbitrary datum (L.D.)</p> <p>Reference Marks : None</p> <p>Records available : Waterlevels from 1982.</p> <p>Remarks : From 1984, station not in operation.</p>
1505	<u>MATAWAY</u>	<p>Location : Corantijn river, km 243, near right bank, about 2.8 km downstream from the mouth of Mataway creek. Latitude 4°59'N.; Longitude 57°41'W.</p> <p>Drainage area : 51,600 km² (approx.)</p> <p>Gauge and Datum : Fuess (1026F) recorder referred to a staff gauge. Zero of gauge not constant but related to N.S.P. datum by regular levelling to nearby reference marks.</p> <p>Reference Marks : WA 105 = 8.786 m N.S.P.; WA 106 = 11.921 m N.S.P</p> <p>Records available : Waterlevels and discharges from 11 July 1965.</p> <p>Mean discharge : 1080 m³.s⁻¹ (1966-1986)</p> <p>Remarks : <ul style="list-style-type: none"> - Discharge is measured at a river section about 1.2 km upriver from the recorder. - Discharge ratings: No. 1 (1963 – 1969); No. 3 (1970 – 1980); No. 4 (1981-1986) - Forty discharge measurements were made during 1986 at stages ranging from 2.29 m N.S.P. to 7.12 m N.S.P. - Station first established from July 1965 with a vertical staff gauge from which daily reading were taken. A Fuess recorder was installed on 5 March 1967. A Stevens A 35 recorder temporarily replaced the Fuess recorder during the period 8 September 1967 until 5 December 1974. </p>
1607	<u>AVANAVERO BOVEN</u>	<p>Location : Kabalebo river, (a tributary of Corantijn river), km 237, near left bank, about 700 m upstream from Avanavero falls. Latitude 4°50'N.; Longitude 57°21'W.</p> <p>Drainage Area : 9,020 km² (approx.)</p> <p>Gauge and Datum : Fuess (1026F) recorder referred to a staff gauge. Zero of gauge is an arbitrary datum (L.D.)</p> <p>Reference Marks : BWKW 135 = 15.952m L.D. = 17.210 m N.S.P.</p> <p>Records available : Waterlevels and discharges from 9 April 1963.</p> <p>Remarks : <ul style="list-style-type: none"> - Discharge is measured at a river section about 200 m downstream from the recorder. - During period 9 April 1963 to 20 October 1963 a De Koningh recorder was in operation. - Low flow rating too inaccurate for estimating minimum flows. - Station operated by H.S. who provide processed data to H.R.D. till 1985 - There were no data available in 1986. </p>

2 DRAINAGE AREA NICKERIE

2.1 DESCRIPTION OF OBSERVATION STATIONS

2104 NICKERIE MONDING

Location : Nickerie river, km 22, near left bank, in mouth of river. Latitude 5°59'N.; Longitude 57°01'W.
Gauge and Datum : OTT X recorder referred to a staff gauge. Zero of gauge not constant but related to N.S.P. datum by regular levelling to nearby reference marks.
Reference Marks : WA 201 = 3.839 m N.S.P.; R.B 3613 = 0.983 m N.S.P.; OM 2 = 1.056 m N.S.P.
Records available : Waterlevels from January 1950.
Remarks : None

2105 WLA NICKERIE

Location : Nickerie river, km 25, near left bank, just behind WLA Nickerie (dependency). Latitude 5°58' N.; Longitude 56° 59' W.
Gauge and Datum : None
Reference Marks : None
Records available : Chlorinities and silt contents of river water from January 1985.
Remarks : Water samples taken at 0700 hrs and 1400 hrs daily.

2107 PARADISE

Location : Nickerie river, km 38, near left bank, about 100 m upstream from the police station. Latitude 5°56' N.; Longitude 56° 58' W.
Gauge and Datum : None
Reference Marks : None
Records available : Chlorinities and silt contents of river water from January 1985.
Remarks : There were no data available in 1986

2110 KLEIN HENAR

Location : Nickerie river, km 52, near left bank, about 10 m downriver from the vertical lift-bridge connecting Wageningen and Klein Henar across the river. Latitude 5°52'N.; Longitude 56°51'W.
Gauge and Datum : OTT X recorder referred to a staff gauge. Zero of gauge not constant but related to N.S.P. datum by regular levelling to nearby reference marks.
Reference Marks : OM 16^A = 1.496 m N.S.P.; WA 202 = 2.124 m N.S.P.; WA 202^A = 2.504 m N.S.P.
Records available : Waterlevels from March 1947.
Remarks : A De Koningh recorder was in operation from March 1947 until March 1963 when a Fuess (1026F) recorder was in operation until May 1981.

2112 SITAL

Location : Nickerie river, km 58, middle of river, about 300 m downstream from the drainage culvert at Sital. Latitude 5°47' N.; Longitude 56° 44'; W.
Gauge and Datum : None
Reference Marks : None
Records available : Chlorinities and silt contents of river water from February 1976
Remarks : Water samples taken at 0700 hrs and 1400 hrs daily.

2114 UTRECHT

Location : Nickerie river, km 72 near left bank, about 400 meters downstream from Maratakka river mouth. Latitude 5°46' N.; Longitude 56° 44' W.
Gauge and Datum : None
Reference Marks : None
Records available : Chlorinities and silt contents of river water from January 1984.
Remarks : Water samples are taken twice daily.

- 2115** **WAGENINGEN**
Location : Nickerie river, km 73, right bank, about 240 m inland at the end of the Wageningen pumping station. Latitude 5°46' N ; Longitude 56° 41' W.
Gauge and Datum : Ritmeyer recorder referred to a staff gauge. Zero of gauge is -756 cm N.S.P datum.
Reference Marks : OM 16 N = 2.312 m N.S.P.
Records available : Waterlevels from March 1950; Chlorinity from September 1961.
Remarks : - Station operated and maintained by S.M.L. Processed data given to H.R.D for publication.
 - De Koningh recorder in operation from march 1950 until April 1954
 - Zero of gauge at Nickerie Datum (N.P.) which is -7.560 m N.S.P.
 - Tidal discharge of Nickerie R. measured at Wageningen in 1961 and 1962.
- 2117** **KOFFIMAKKA KREEK**
Location : Koffimakka creek, a tributary on the right bank of Nickerie river, km 83, near right bank, about 300m upstream from the creek mouth. Latitude 5° 46' N, Longitude 56° 38' W.
Gauge and Datum : Fuess (1026F) recorder referred to a staff gauge. Zero of gauge not constant but related to N.S.P datum by regular levelling to nearby reference marks.
Reference Marks : VP^A = 2.099 m N.S.P. VP^B = 2.168 m N.S.P.
Records available : Waterlevels from April 1981.
Remarks : Station established by Hydrological Section of H.R.D to collect data for Suriname 's Longterm Development Plan (M.O.P). Unfortunately, poor maintenance has resulted in poor records until January 1984 when this station was taken over as part of the national observation network by Basismeetnet.
- 2122** **AKWANSA**
Location : Nickerie river, km 109, near right bank, about 3 km upstream from the mouth of Akwansa creek. Latitude 5°38'N; Longitude 56°33'W.
Gauge and Datum : Fuess (1026F) recorder referred to a staff gauge. Zero of gauge not constant but related to N.S.P. datum by regular levelling to nearby reference marks.
Reference Marks : WA 16 = 2.135 m N.S.P.
Records available : Waterlevels from March 1982
Remarks : Station established by Hydrological Section of H.R.D. to collect data for Suriname's Longterm Development Plan (M.O.P). Unfortunately, poor maintenance has resulted in poor records until January 1984 when this station was taken over as part of the national observation network by Basismeetnet.
- 2131** **TAPOERIPA**
Location : Nickerie river, km 157, near left bank , on landing-stage at Tapoeripa.
 Latitude 5°22'N; Longitude 56°53'W.
Gauge and Datum : Fuess (1026F) recorder referred to a staff gauge .Zero of gauge not constant but related to N.S.P.datum by regular levelling to nearby reference marks.
Reference Marks : WA 204 = 3.483 m N.S.P; WA 204A = 4.511 m N.S.P. OM 1086A = 1.928m N.S.P.
Records available : Waterlevels from April 1970.
Remarks : None.
- 2137** **BOSPOST**
Location : Nickerie river, km 186, near right bank , just upstream from Arrawarra creek mouth.
 Latitude 5°20' N.; Longitude 56°27' W.
Gauge and Datum : Fuess (1026F) recorder referred to a staff gauge. Zero of gauge not constant but related to N.S.P.datum by regular levelling to nearby reference marks.
Reference Marks : WA 205 = 2.741 m N.S.P; OM 117 = 2.557 m N.S.P.; WA 11 = 2.744 m N.S.P.
Records available : Waterlevels from May 1960.
Remarks : (a) Staff gauge alone in operation until March 1961
 (b) OTT recorder in operation from March 1961 to July 1961.
 (c) On 14 July 1964 a dam was completed across the Arrawarra river to prevent water from Nickerie river flowing into Wayombo river. This dam was removed on 27 June 1967.
 (d) On 28 July 1967 a second dam was completed across the Arrawarra river but nearer its junction with the Wayombo river. The dam was provided into a sluice to permit boats to pass across the dam.
 (e) Tidal discharge of Nickerie R. measured at Bospost during 1961.

- 2143** **DUIKELAARS KREEK**
 Location : Nickerie river, km 213, near right bank , about 200 m downriver from Duikelaars creek mouth. Latitude 5°14'N; Longitude 56° 26'W.
 Gauge and Datum : Fuess (1026F) recorder referred to a staff gauge. Zero of gauge not constant but related to N.S.P. datum by regular levelling to nearby reference marks.
 Reference Marks : WA 206 = 4.209 m N.S.P.; OM 121 = 3.019 m N.S.P.; OM 591 = 3.009 m N.S.P.
 Records available : Waterlevels from July 1966
 Remarks : None
- 2210** **MOROTOKO KREEK**
 Location : Maratakka river, km 125, near left bank , just downstream from the mouth of Morotoko creek. Latitude 5° 32'N; Longitude 56° 44'W.
 Gauge and Datum : Fuess (1026F) recorder referred to a staff gauge. Zero of gauge not constant but related to N.S.P. datum by regular levelling to nearby reference marks.
 Reference Marks : VP^B = 2.848 m N.S.P.
 Records available : Waterlevels from April 1981.
 Remarks : Station established by Hydrological Section of H.R.D to collect data for Suriname's Longterm Development Plan (M.O.P). Unfortunately, poor maintenance has resulted in poor records until January 1984 when this station was taken over as part of the national observation network by Basismeetnet.
- 2218** **TAKOMARA KREEK**
 Location : Maratakka river, km 162, near right bank , just downstream from the mouth of Takomara creek. Latitude 5° 21'N.; Longitude 56° 44'W.
 Gauge and Datum : Fuess (1026F) recorder referred to a staff gauge. Zero of gauge not constant but related to N.S.P. datum by regular levelling to nearby reference marks.
 Reference Marks : VP^A = 2.379 m N.S.P.; VP^B = 3.287 m N.S.P.
 Records available : Waterlevels from April 1981.
 Remarks : Station established by Hydrological Section of H.R.D to collect data for Suriname's Longterm Development Plan (M.O.P). Poor maintenance has resulted in very poor records until January 1984 when this station was taken over by Basismeetnet as part of the national observation network.
- 2223** **MAURICIZWAMP**
 Location : Maratakka river, km 186, near left bank, about 200 m upstream from the mouth of a large un-named tributary flowing from a swamp area with maurici palm trees on the right bank. Latitude 5°15'N.; Longitude 56°49'W.
 Drainage area : 680 km² approx (map scale 1: 200,000).
 Gauge and Datum : Fuess (1026F) recorder referred to a staff gauge. Zero of gauge not constant but related to N.S.P. datum by regular levelling to nearby reference marks.
 Reference Marks : VP^A = 1.986 m N.S.P ; VP^B = 2.133 m N.S.P.
 Records available : Waterlevels from March 1981; Miscellaneous discharge measurement each year from 1981.
 Remarks: : - Station originally established by the Hydrological Section (H.R.D. in connection with the longterm Development Plan (M.O.P) for Suriname, but included in the national network operated by Basismeetnet in 1984. Records during the years 1981 to 1983 are poor.
 : - No stage-discharge relation available for this station. Water slopes appear to have a serious effect on discharge.

2505	<u>STONDANSIE</u>	
Location	:	Nickerie river km 240, near left bank, about 1 km upriver from Stondansie falls and 3.4 km downriver from Fallawatra river mouth. Latitude 5°06'N.; Longitude 56°31'W.
Drainage area	:	5,160 km ² approx (map scale 1 : 200,000).
Gauge and Datum	:	OTT X recorder referred to a staff gauge. Zero of gauge not constant but related to N.S.P. datum by regular levelling to nearby reference marks.
Reference Marks	:	WA 207 = 7.554 m N.S.P. ; RO 695 ^B = 8.010 m N.S.P.
Records available	:	Waterlevels and discharges from January 1963.
Mean discharge	:	88.6 m ³ .s ⁻¹ (1963 - 1986)
Remarks	:	<ul style="list-style-type: none"> - Discharge normally measured at a river section just upstream from the recorder. - At very low stages discharge measured at a section about 1 km upstream from the recorder. - Discharge ratings, No. 0 (1963 - 1969), No. 1^A (1970 - 1978), No. 2 (1979 - 1981), No. 1^A (1982 - 1983), No.2 (1984), No. 3. (1985 - 1986). - Thirty five discharge measurements made in 1986 at stages from 2.95 m N.S.P. to 6.71 m N.S.P. - Prior to 23 October 1982 a Fuess (1026F) recorder was in use at this station.
2525	<u>MOZES KREEK</u>	
Location	:	Nickerie river, km 306, near right bank, about 75 m downstream from the mouth of Mozes creek. Latitude 4°57'N.; Longitude 56°48'W.
Drainage area	:	2,970 km ² approx. (map scale 1:200,000).
Gauge and Datum	:	OTT X recorder referred to a vertical staff gauge. Zero of gauge not constant but related to N.S.P datum by regular levelling to nearby reference marks.
Reference Marks	:	WA 208 = 17.250 m N.S.P.; WA 208 ^A = 18.045 m N.S.P.
Records available	:	Daily mean waterlevels and discharges from July 1972.
Mean discharge	:	48 m ³ .s ⁻¹ (1975-1986)
Remarks	:	<ul style="list-style-type: none"> - Discharge measured at a river section just upstream from the recorder. - Discharge ratings ; No.2 (1972-1977), No.3 (1978-1979), No.4A (1980-1986). - Four discharge check measurements made in 1986 at stages ranging from 11.06 m N.S.P. to 11.50 m N.S.P. - Prior to 18 July 1985 a Fuess (1026F) recorder was used at this station.
2531	<u>PARIS JACOB KREEK</u>	
Location	:	Nickerie river, km 335, near left bank, about 800 m upstream from the Bailey-type bridge connecting the Bitagron-Apoera roadway over the river and about 200 m downstream from the mouth of Paris Jacob creek. Latitude 4°54'N.; Longitude 56°58'W.
Drainage area	:	2,430 km ² approx. (map scale 1:200,000).
Gauge and Datum	:	OTT X recorder referred to a vertical staff gauge. Zero of gauge not constant but related to N.S.P. datum by regular levelling to nearby reference marks.
Reference Marks	:	BN-CBL = 31.600 m N.S.P. ; WA 210 = 21.949 m N.S.P.; WA 210 ^A = 21.978 m N.S.P.
Records available	:	Daily mean waterlevels and discharges from January 1980.
Mean discharge	:	36.9 m ³ .s ⁻¹ (1980-1986)
Remarks	:	<ul style="list-style-type: none"> - Discharge measured at a river section about 50m upstream from the recorder. - Discharge rating No. 1 (1980-1986) - Eight discharge check measurements made in 1986 at stages ranging from 15.20 m N.S.P. to 18.43 m N.S.P. - Prior to October 18, 1983 the gauge was located on a downstream pier of the Bailey-type bridge about 800 m downstream from its present site, till 11 March 1985 a Fuess (1026F) recorder was used at this station.
2553	<u>CREMER</u>	
Location	:	Fallawatra river, a tributary of the Nickerie river, km 273, near right bank, at about 90 m downstream from the baily-type bridge connecting the Bitagron-Apoera roadway across the Fallawatra river. Latitude 4°58'N.; Longitude 56°35'W.
Drainage area	:	479 km ² approx. (map scale 1 : 200,000)
Gauge and Datum	:	Fuess (1026F) recorder referred to a staff gauge. Zero of gauge not constant but related to N.S.P. datum by regular levelling to nearby reference marks.
Reference Marks	:	OM A ¹³ = 27.486 m N.S.P.; OM A13 ^A = 28.270 m N.S.P.
Records available	:	Daily mean waterlevels and discharges from June 1975.
Mean discharge	:	9.8 m ³ .s ⁻¹ (1974 - 1986)
Remarks	:	<ul style="list-style-type: none"> - Discharge is measured at a section about 6 m upstream from the bridge. - Discharge ratings : No. 1 (1971-1972); No. 2 (1973-1980); No.3 (1981-1983); No. 4 (1984 - 1986) - Five discharge measurements were made during 1986 at stages ranging from 24.77 m N.S.P. to 26.44 m N.S.P.

2601	<u>BLANCHE MARIE</u>	
Location	:	Nickerie river, km 358, near right bank, about 2 km downstream from Blanche Marie falls. Latitude 4°45'N.; Longitude 56°23'W.
Drainage area	:	1,260 km ² approx. (map scale 1 : 200,000)
Gauge and Datum	:	Fuess (1026F) recorder referred to a vertical staff gauge. Zero of gauge not constant but related to N.S.P. datum by regular levelling to nearby reference marks.
Reference Marks	:	WA 209 = OM 42 = 27.360 m N.S.P.; BN = 27.460 m N.S.P.
Records available:	:	Daily mean waterlevels and discharges from June 1965.
Mean discharge	:	22.5 m ³ .s ⁻¹ (1965 - 1986)
Remarks	:	<ul style="list-style-type: none"> - Discharge measured at a river section about 30 m downstream from the recorder. - Discharge ratings: No. 3 (1965 – 1980); No. 4 (1981-1986). - Three discharge measurements were made during 1986 at stages ranging from 22.72 m N.S.P. to 22.88 m N.S.P. - Station was first established on 13 June 1965 with a vertical staff gauge from which daily readings were taken. On October 9, 1967 a Stevens A35 recorder was installed to be replaced by a Fuess (1026F) in May 1968. - At extreme low stages discharge is measured at a river section about 1 km upstream from the recorder.

3. DRAINAGE AREA CORONIE

3.1 DESCRIPTION OF OBSERVATION STATION

3101 ZOETWATER KANAAL

Location	:	Coronie swamp, near dam between swamp and irrigation channel called "Zoetwater kanaal". Latitude 5°53'N.; Longitude 56°20'W.
Gauge and Datum	:	Fuess (1026F) recorder referred to a staff gauge. Zero of gauge not constant but related to N.S.P. datum by regular levelling to nearby reference marks.
Reference Marks	:	WA 301 = 2.136 m N.S.P.; RB 48 = 2.109 m N.S.P.
Records available	:	Waterlevels from December 1970.
Remarks	:	None

4. DRAINAGE AREA COPPENAME

4.1 DESCRIPTION OF OBSERVATION STATIONS

4106 BOSKAMP

Location	:	Coppename river, km 32, near right bank, on landing stage lying just downriver from the Boskamp-Jenny ferry landing stage. Latitude 5°56'N.; Longitude 55°54'W.
Gauge and Datum	:	Fuess (1026F) recorder referred to a staff gauge. Zero of gauge not constant but related to N.S.P. datum by regular levelling to nearby reference marks.
Reference Marks	:	OM 63 = 2.251 m N.S.P.; HP 13 = 2.742 m N.S.P.
Records available	:	Waterlevels from November 1961.
Remarks	:	None

4114 TIBITI

Location	:	Coppename river, km 68, near right bank, about 200 m downriver from the mouth of Tibiti river. Latitude 5°35'N.; Longitude 55°54'W.
Gauge and Datum	:	Stevens A35 recorder referred to a staff gauge. Zero of gauge not constant but related to N.S.P. datum by regular levelling to nearby reference marks.
Reference Marks	:	WA 403 = 2.001 m N.S.P.; OM 1128 ^D = 1.524 m N.S.P.
Records available:	:	Waterlevels from May 1967, Chlorinity and Silt contents from April 1965 until Dec. 1976.
Remarks	:	<ul style="list-style-type: none"> - The station lies near to the Bruynzeel Company's settlement on the river bank. - Water sampling for Chlorinity and Silt contents discontinued since December 1976. - Prior to July 26, 1984 a Fuess (1026F) recorder was used at this station.

4119 WAYOMBO MONDING

Location	:	Coppename river, km 95, near left bank, at the confluence of Coppename and Wayombo rivers opposite the L.B.B. post at Wayombo Monding. Latitude 5°25'N.; Longitude 56°02'W.
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	Gauge and Datum	:	Stevens A35 recorder referred to a staff gauge. Zero of gauge not constant but related to N.S.P. datum by regular levelling to nearby reference marks.
	Reference Marks	:	WA 404 = 2.261 m N.S.P.; NSP. 1120 = 1.659 m N.S.P.
	Records available	:	Waterlevels from July 1961.
	Remarks	:	- Prior to July 28, 1983 a Fuess (1026F) recorder was used at this station.
4130	<u>KAAIMANSTON</u>		
	Location	:	Coppename river, km 150, near left bank, about 30 m upriver from the school teacher's house at Kaaimanston. Latitude 5°06'N.; Longitude 56°05'W.
	Gauge and Datum	:	OTT X recorder referred to a staff gauge. Zero of gauge not constant but related to N.S.P. datum by regular levelling to nearby reference marks.
	Reference Marks	:	WA 405 = 5.680 m N.S.P.; OM - WLA = 5.122 m N.S.P.
	Records available	:	Waterlevels from April 1964.
	Remarks	:	- Prior to March 13, 1985 a Fuess (1026F) recorder was used at this station.
4219	<u>GROOT BORFELT KREEK</u>		
	Location	:	Coesewijne river, km 79, near right bank, about 15 m upstream from mouth of Groot Borfelt Kreek. Latitude 5°46'N.; Longitude 55°41'W.
	Gauge and Datum	:	Fuess (1026F) recorder referred to a staff gauge. Zero of gauge not constant but related to N.S.P. datum by regular levelling to nearby reference marks.
	Reference Marks	:	OM 69 = 2.629 m N.S.P.; WA 402 = 2.424 m N.S.P.
	Records available:	:	Waterlevels from April 1969.
	Remarks	:	November 11, 1985 a OTT X recorder was used.
4405	<u>CORNELIS KONDRÉ</u>		
	Location	:	Wayombo river, km 122, near left bank, about 50 m downstream from the landing-stage at Cornelis Kondre. Latitude 5°20'N.; Longitude 56°09'W.
	Gauge and Datum	:	Fuess (1026F) recorder referred to a staff gauge. Zero of gauge not constant but related to N.S.P. datum by regular levelling to nearby reference marks.
	Reference Marks	:	OM 1106 = 5.453 m N.S.P.; OM 1107 = 1.211 m N.S.P.
	Records available	:	Waterlevels from April 1964.
	Remarks	:	None
4414	<u>POST VENLO</u>		
	Location	:	Wayombo river, km 165, near right bank, about 100 m upstream from the sluice on dam across Arrawarra river. Latitude 5°19'N.; Longitude 56°21'W.
	Gauge and Datum	:	Fuess (1026F) recorder referred to a staff gauge. Zero of gauge not constant but related to N.S.P. datum by regular levelling to nearby reference marks.
	Reference Marks	:	WA 409 = 4.381 m N.S.P.; RO 1086 ^A = 2.985 m N.S.P.; WA 22 = 3.123 m N.S.P.
	Records available	:	Waterlevels from July 1961.
	Remarks	:	None
4461	<u>PEREKO KREEK</u>		
	Location	:	Pereko creek, km 156, near left bank, about 6 km upstream from confluence of Pereko creek and Wayombo river. Latitude 5°26'N.; Longitude 56°19'W.
	Gauge and Datum	:	Fuess (1026F) recorder referred to a staff gauge. Zero of gauge not constant but related to N.S.P. datum by regular levelling to nearby reference marks.
	Reference Marks	:	VP - WLA = 1.558 m N.S.P. VP - CBL = 1.350 m N.S.P.
	Records available	:	Waterlevels from July 1982.
	Remarks	:	- Station established by the Hydrological Section (H.R.D.) to collect data in relation to the Longterm Dev. Plan (M.O.P.) for Suriname. It was added to the basic network operated by Basismeetnet in 1983.
4462	<u>PEREKO ZWAMP</u>		
	Location	:	Pereko creek, km 159, mid-river, about 9 km upriver from confluence of Pereko creek and Wayombo river. Latitude 5°28'N.; Longitude 56°18'W.
	Gauge and Datum	:	Fuess (1026F) recorder referred to a staff gauge. Zero of gauge not constant but related to a Local Datum (L.D.) by regular levelling to nearby reference marks.
	Reference Marks	:	VP - WLA = 2.409 m L.D.
	Records available:	:	Waterlevels from November 1982.
	Remarks	:	Station established by Hydrological Section (H.R.D) to collect data in relation to the Longterm Dev. Plan (M.O.P) for Suriname. It was added to the basic network operated by Basismeetnet in 1983.
4505	<u>MAKSITA KREEK</u>		
	Location	:	Coppename river, km 175, near left bank, just upstream from mouth of Maksita creek. Latitude 4°45'N.; Longitude 56°07'W.
	Drainage area	:	12,300 km ² approx. (map scale 1:200,000).

Gauge and Datum	:	Fuess(1026F) recorder referred to a staff gauge. Zero of gauge not constant but related to N.S.P. datum by regular levelling to nearby reference marks.
Reference Marks	:	WA 406 = 13.431 m N.S.P.; BN (25.11.'64) = 11.521 m N.S.P.; BN (24.4.'68) = 11.629 m N.S.P.
Records available:		Daily mean waterlevels and discharges since December 1964.
Mean discharge	:	299 m ³ .s ⁻¹ (1965 - 1986)
Remarks	:	- Discharge measured at a river section just downstream from the recorder. - During period 31 July 1978 until March 1970 a Stevens A35 recorder was in use. - Discharge rating N0.3 (1964 - 1986) - Five discharge measurements were made during 1986 at stages from 6.90 m N.S.P. to 9.41 m N.S.P. - Prior to March 14, 1985 a Fuess (1026F) recorder was used at this station.

5. DRAINAGE AREA SARAMACCA

5.1 DESCRIPTION OF OBSERVATION STATIONS

5109 CARL FRANCOIS

Location	:	Saramacca river, km 43, near left bank, on the Police landing stage at Carl Francois. Latitude 5°50'N.; Longitude 55°46'W.
Gauge and Datum	:	Fuess (1026F) recorder referred to a staff gauge. Gauge datum not constant but related to N.S.P. datum by regular levelling to nearby reference marks.
Reference Marks	:	OM 69 = 1.592 m N.S.P.
Records available	:	Waterlevels from January 1962.
Remarks	:	None

5111 HUWELIJKSZORG

Location	:	Saramacca river, km 53, near left bank, close by the Police landing stage at Huwelijkszorg. Latitude 5°47'N.; Longitude 55°41'W.
Gauge and Datum	:	None
Reference Marks	:	None
Records available	:	Chlorinities and silt contents of river water from April 1975.
Remarks	:	None

5113 TIJGER KREEK

Location	:	Saramacca river, km 62, near left bank, close to the landing stage at Tijger creek. Latitude 5°47'N.; Longitude 55°36'W.
Gauge and Datum	:	None
Reference Marks	:	None
Records available	:	Chlorinities and silt contents of river water from March 1975.
Remarks	:	Waterlevels were measured at this station during the years 1941-1951, 1953, 1956-1957, 1962 - 1966.

5116 MONKSHOOP

Location	:	Saramacca river, km 79, near right bank, about 100 m upstream from the bridge across the river at Monkshoop. Latitude 5°49'N.; Longitude 55°28'W.
Gauge and Datum	:	None
Reference Marks	:	None
Records available	:	Chlorinities and silt contents of river water from August 1966.
Remarks	:	During period August 1966 until December 1981 samples were collected in the middle of the river from the ferry boat on its normal route across the river.

5117 GRONINGEN

Location	:	Saramacca river, km 85, near left bank, about 300 m upstream from the Catholic Church at Groningen. Latitude 5°47'N.; Longitude 55°29'W.
Gauge and Datum	:	Fuess (1026F) recorder referred to a staff gauge. Zero of gauge not constant but related to N.S.P. datum by regular levelling to nearby reference marks.
Reference Marks	:	OM 82 = 3.203 m N.S.P.; WA 502 = 3.848 m N.S.P.
Records available	:	Waterlevels from April 1950 - December 1958; January 1961 onwards.
Remarks	:	- During period April 1950 to November 1973 a De Koningh recorder was used. - Water samples for chlorinities were taken at this station during 1937-1940 and 1953 - 1959, by the Ministry of Agriculture.

5120 UITKIJK SLUIS

Location	:	Saramacca river, km 104.5, right bank, at mouth of Saramacca canal in front of the lift lock. Latitude 5°46'N.; Longitude 55°21'W.
Gauge and Datum	:	Vertical staff gauge. Zero of gauge 2 cm N.S.P. datum.
Reference Marks	:	RB 89 = 1.702 m N.S.P.; RB 89 ^A = 3.350 m N.S.P.

Records available:	Waterlevels from 1949. Chlorinities and silt contents of river water from August 1966.
Remarks :	- Hourly gauge readings taken daily by the lock attendants employed by the Hydraulic Engineering Division of the Ministry of Public Works.
	- Water samples for chlorinities were taken at this station during 1937 - 1940 by the Ministry of Agriculture.
5121	<u>CREOLA</u>
Location :	Saramacca river, km 105, near right bank, in front of the irrigation and drainage canal at citrus plantation Creola Serie B. Latitude 5°46'N.; Longitude 55°21'W.
Gauge and Datum :	Fuess (1026F) recorder referred to a staff gauge. Zero of gauge not constant but related to N.S.P. datum by regular levelling to nearby reference marks.
Reference Marks :	WA 503 = 1.966 m N.S.P.; WA 503 ^A = 2.164 m N.S.P.; RB 89 ^A = 3.350 m N.S.P.
Records available:	Waterlevels from 1962.
Remarks :	- Station initially (1962) at Uitkijk sawmill until March 1966 when it was moved near to the Police Station at the mouth of Saramacca canal. In April 1967 it was moved upriver to its present location.
	- During period November 1970 - August 1972 an OTT punched-tape recorder was in operation.
	- There were no data in 1971.
5123	<u>SANTIGRON</u>
Location :	Saramacca river, km 117, near right bank, about 225 m upstream from the landing stage at Santigrón village. Latitude 5°39'N.; Longitude 55°20'W.
Gauge and Datum :	Fuess (1026F) recorder referred to a staff gauge. Zero of gauge not constant but related to N.S.P. datum by regular levelling to nearby reference marks.
Reference Marks :	BN - WLA = 3.073 m N.S.P.
Records available:	Waterlevels from 1962.
Remarks :	- Station initially (1962) at a previous landing stage lying about 75 m upstream from its present location until 25 March 1970.
	- During period November 1970 - August 1972 an OTT punched-tape recorder was in operation.
	- During years 1947 - 1949 waterlevels were collected at this station but zero of gauge not known in relation to N.S.P. datum.
5139	<u>L.B.B. BRUG</u>
Location :	Saramacca river, km 196, mid-river on a pier on the downstream side of the "Saron" bridge across the river. Latitude 5°21'N.; Longitude 55°22'W.
Gauge and Datum :	Fuess (1026F) recorder referred to a staff gauge. Zero of gauge not constant but related to N.S.P. datum by regular levelling to nearby reference marks.
Reference Marks :	WA 506 = 4.130 m N.S.P.; OM 611 = 3.520 m N.S.P.
Records available:	Waterlevels from January 1970.
Remarks :	Station established in January 1968 but records for years 1968 and 1969 not available.
5144	<u>COMMISSARIS KONDRE</u>
Location :	Saramacca river, km 220, near left bank, at Commissaris Kondre which lies about 5 km upstream from Kwakoeogron. Latitude 5°14'N.; Longitude 55°21'W.
Gauge and Datum :	Fuess (1026F) recorder referred to a staff gauge. Zero of gauge not constant but related to N.S.P. datum by regular levelling to nearby reference marks.
Reference Marks :	WA 505 = 4.682 m N.S.P.; WA 504 = 4.104 m N.S.P.
Records available:	Waterlevels from December 1961.
Remarks :	None
5201	<u>UITKIJK (KANAAL)</u>
Location :	Saramacca canal, south bank, on concrete side-wall behind (east) the lift lock at Uitkijk. Latitude 5°46'N.; Longitude 55°21'W.
Gauge and Datum :	Vertical staff gauge. Zero of gauge at 3 cm N.S.P.
Reference Marks :	RB 89 ^A = 3.327 m N.S.P.
Records available:	Daily mean waterlevels since 1949.
Remarks :	- Hourly readings taken by lock attendants from Hydraulic Engineering Division of the Ministry of Public Works.

5299	<u>DOORSTEEK (KANAAL)</u>	
Location	:	Saramacca canal, south bank, on concrete side-wall behind (west) the lift lock connecting the canal and Suriname river. Latitude 5°49'N.; Longitude 55°09'W.
Gauge and Datum	:	Vertical staff gauge ; Zero of gauge at 2 cm N.S.P.
Reference Marks	:	RB (Sluis) = 2.351 m N.S.P.
Records available	:	Waterlevels from 1962.
Remarks	:	- Hourly readings taken by lock attendants employed by the Hydraulic Engineering Division of the Ministry of Public Works.
5505	<u>DRAMHOSSO</u>	
Location	:	Saramacca river, km 285, near right bank, about 400 m downstream from Dramhosso rapids. Latitude 4°54'N.; Longitude 55°34'W.
Drainage area	:	3,520 km ² approx.
Gauge and Datum	:	Fuess (1026F) recorder referred to a staff gauge. Zero of gauge related to N.S.P. datum by levelling to nearby reference mark.
Reference Marks	:	BN = 19.600 m N.S.P.
Records available:	:	Waterlevels and discharges from April 1960.
Remarks	:	- Discharge measurements made at a section about 20 m upstream from the recorder. - During period 1960 – 1969 waterlevels obtained manually from the staff gauge. - Station operated by H.S. who provide processed data to H.R.D.
5605	<u>ANOEMAFUETOE</u>	
Location	:	Kleine Saramacca river, km 282, near left bank, about 50 m upstream from Tjaw Tjaw falls. Latitude 4°57'N.; Longitude 55°31'W.
Drainage area	:	1,350 km ² approx.
Gauge and Datum	:	Fuess (1026F) recorder referred to a staff gauge. Zero of gauge occasionally checked against a nearby reference mark.
Reference Marks	:	BN = 11.933 m N.S.P.
Records available	:	Waterlevels and discharges from January 1965.
Remarks	:	- Discharge is measured at a section alongside the recorder. - Station operated by H.S. who provide processed data to H.R.D.

6. DRAINAGE AREA SURINAME

6.1 DESCRIPTION OF OBSERVATION STATIONS

6105	<u>GELEIDELICHT</u>	
Location	:	Suriname river, km 25, in mouth of river on footbridge of navigation guiding light called "Geleidelicht". Latitude 5°58'N.; Longitude 55°12'W.
Gauge and Datum	:	OTT X recorder referred to the elevation of the footbridge. Elevation of the footbridge found to be 2.65 m N.S.P. (± 5cm) in 1985 by the Division for Higher Geodesy (D.H.G), Ministry of Natural Resources.
Records available	:	Waterlevels from April 1982.
Remarks	:	- Waterlevels previously measured at this station during years 1966 - 1974. - Chlorinities and silt contents of river water available during years 1980 - 1981.
6108	<u>NIEUW AMSTERDAM</u>	
Location	:	Suriname river, km 40, near right bank, on the landing stage of the Leonsberg-Nieuw Amsterdam ferry. Latitude 5°52'N.; Longitude 55°07'W.
Gauge and Datum	:	Fuess (1026F) recorder referred to a staff gauge. Zero of gauge not constant but related to N.S.P. datum by regular levelling to nearby reference marks.
Reference Marks	:	RB 436 = 1.179 m N.S.P.; WA 601 = 2.273 m N.S.P.
Records available	:	Waterlevels from February 1966. Chlorinities and silt contents of river water from November 1979.
Remarks	:	Water samples are taken about 500 m upstream from the station.
6110	<u>PARAMARIBO</u>	
Location	:	Suriname river, km 52, near left bank, on landing stage of Harbour Division at Paramaribo. Latitude 5°49'N.; Longitude 55°08'W.
Gauge and Datum	:	OTT X recorder. Zero of gauge is - 1.28 m N.S.P.
Reference Marks	:	RB 109 ^B = 1.461m N.S.P.
Records available	:	Waterlevels from 1957.
Remarks	:	- Station operated by Harbour Division of Ministry of Public Works who provide the processed data to H.R.D. - A Rotherhams recorder was used in the earlier years at this station.

- Data from this station are used to help compile the annual tide tables for Suriname.

6111 DOORSTEEK SLUIS

Location : Suriname river, km 55, near left bank about 80 m inland, attached to the concrete side-wall of the lift-lock in the entrance of the Saramacca Doorsteek canal. Latitude 5°49'N.; Longitude 55°09'W.

Gauge and Datum : Staff-gauge readings. Zero of gauge is - 0.11 m N.S.P

Reference Marks : RB (Doorsteek sluice) = 2.351 m N.S.P.

Records available: Waterlevels from 1957.

Remarks : - Station operated by Hydraulic Engineering Division and hourly readings are made daily by lock attendants who provide H.R.D with the manual readings.

6113 DOMBURG

Location : Suriname river, km 68, near left bank, about 70 m upstream from the landing stage near the Police station at Domburg. Latitude 5°36'N.; Longitude 55°05'W.

Gauge and Datum : Fuess (1026F) recorder referred to a staff gauge. Zero of gauge not constant but related to N.S.P. datum by regular levelling to nearby reference marks.

Reference Marks : RB 216 = 1.572 m N.S.P. ; BN - WLA = 1.983 m N.S.P.

Records available : Waterlevels from February 1967; Chlorinities and silt contents of river water from September 1966.

Remarks : - Initially (1967) station was placed near the right bank opposite to the landing stage until 26 November 1968 when it was moved across the river on to the landing stage itself. It was placed in its current position in September 1970.

- During period January 1973 to November 1977 an Ott recorder was used.

6117 PARAMAM

Location : Suriname river, km 86, near left bank, on structure supporting Harbour Division's light beacon No.3 opposite Accaribo. Latitude 5°36'N.; Longitude 55°05'W.

Gauge and Datum : Fuess (1026F) recorder referred to a staff gauge. Zero of gauge not constant but related to N.S.P. datum by regular levelling to nearby reference marks.

Reference Marks : RB (Sluis) = 1.780 m N.S.P.; WA 603 = 2.613 m N.S.P.

Records available : Waterlevels from April 1961.

Remarks : - Initially (1961) station was placed at Paramam on Suralco landing stage near the Para Doorsteek canal, but moved about 2 km downstream to present site in June 1977.

- An OTT recorder was in operation during the initial period April 1961 to April 1963.

6124 CAROLINA

Location : Suriname river, km 119, near left bank, about 200 m upriver from the landing stage of the ferry boat at Carolina. Latitude 5°25'N.; Longitude 55°00'W.

Gauge and Datum : Fuess (1026F) recorder referred to a staff gauge. Zero of gauge not constant but related to N.S.P. datum by regular levelling to nearby reference marks.

Reference Marks : WA 604 = 2.22 m N.S.P.; OM 235^G = 2.934 m N.S.P.

Records available : Waterlevels from August 1968.

Remarks : None

6127 PHEDRA

Location : Suriname river, km 133, near left bank, about 10 m upstream from Phedra. Latitude 5°18'N.; Longitude 55°22'W.

Gauge and Datum : Fuess (1026) recorder referred to a staff gauge. Zero of gauge not constant but related to N.S.P. datum by regular levelling to nearby reference marks.

Reference marks : WA 605 = 4.708 m N.S.P.; OM 242^B = 3.303 m N.S.P.

Records available : Waterlevels from Februari 1965.

Remarks : In 1981 the elevation of OM 242^B was changed from 2.797 m N.S.P. to 3.303 m N.S.P. Whilst the elevation of WA 605 was changed from 4.696 m N.S.P. to 4.708 m N.S.P.

6133 BERG EN DAL

Location : Suriname river, km 164, near left bank, about 350 m upstream from the sawmill at Berg en Dal. Latitude 5°08'N.; Longitude 55°04'W.

Gauge and Datum : Fuess (1026F) recorder referred to a staff gauge. Zero of gauge not constant but related to N.S.P. datum by regular levelling to nearby reference marks.
 Reference Marks : WA 606 = 4.256 m N.S.P.; VP (nw) = 3.944 m N.S.P.
 Records available: Waterlevels from 26 March 1966.
 Remarks : Station initially (1966) installed at a site about 100 m downstream and then moved to its present site on 2 June 1977.

6505 BROKOPONDO

Location : Suriname river, km 185, near left bank, at Brokopondo settlement and about 9 km downstream from Afobakka dam. Latitude 5°08'N.; Longitude 54°59'W.
 Drainage area : 12,800 km² approx.
 Gauge and Datum : Fuess (1026F) recorder referred to a staff gauge. Zero of gauge not constant but related to N.S.P. datum by regular levelling to nearby reference marks.
 Reference Marks : WA 607 = 8.088 m N.S.P.; OM 264 = 25.724 m N.S.P.
 Records available: Daily mean waterlevels since March 1965; daily mean discharges from January 1977.
 Remarks : - discharge at station regulated by outflow of the hydro-power station at Afobakka.
 - discharge rating No.2 (1982 - 1986)

6508 AFOBAKKA BOVEN

Location : Suriname river, km 194, in control room of powerhouse of hydro-electric power plant at Afobakka. Latitude 4°58'N.; Longitude 55°00'W.
 Gauge and Datum : Stevens A35 recorder referred to a staff gauge. Zero of gauge is - 32.28 m N.S.P.
 Reference Marks : OM 261^D = 16.383 m N.S.P.
 Records available : Daily waterlevels and turbine discharges since 1965.
 Remarks : - waterlevels given for station are levels in the storage lake and not directly related to the turbine discharges.
 - construction of Afobakka dam began August 1960 and completed 1963. Diversion tunnels closed February 1964. Lake almost filled July 1965 and limited power generation began in this month.
 - station operated by SURALCO who supply data to H.R.D.
 - Waterlevels and discharges not available in 1986.

6605 POKIGRON

Location : Suriname river, km 273, near left bank, at Pokigron village. Latitude 4°30'N.; Longitude 55°22'W.
 Drainage area : 7,750 km² approx.
 Gauge and Datum : OTT recorder referred to a staff gauge. Zero of gauge is 5000 cm N.S.P.
 Reference Marks : BPB 336 = 56.258 m N.S.P.
 Records available: Daily mean waterlevels and discharges since 1952.
 Remarks : - from 1952 until 1965 a staff gauge was used to obtain daily waterlevels.
 - discharge is measured at a section about 60m downstream from the gauge.
 - in 1986, there were only waterlevels available, no discharge data.

7. DRAINAGE AREA COMMEWIJNE/COTTICA

7.1 DESCRIPTION OF OBSERVATION STATIONS

7100 NIEUW AMSTERDAM

Location : Commewijne river, km 40, near left bank, just upstream from the drainage sluice at Nieuw Amsterdam. Latitude 5°52'N.; Longitude 55°07'W.
 Gauge and Datum : None
 Reference Marks : None
 Records available : Chlorinities and silt contents of river water from November 1979.
 Remarks : None

7105 ALLIANCE

Location : Commewijne river, km 66, near right bank, at Alliance plantation about 200 m upstream from Matapica canal. Latitude 5°51'N.; Longitude 54°54'W.
 Gauge and Datum : Fuess (1026F) recorder referred to a staff gauge. Zero of gauge not constant but related to N.S.P datum by regular levelling to nearby reference marks.
 Reference Marks : WA 701 = 2.368 m N.S.P.; RB 456 = 1.306 m N.S.P.
 Records available : Waterlevels from January 1963; chlorinities and silt contents of river water from May 1975.
 Remarks : None

7112	<u>PENERIBO</u>	<p>Location : Commewijne river, km 100, near left bank, just downstream from the bridge of Stolkertsijver. Latitude 5°50'N.; Longitude 54°40'W.</p> <p>Gauge and Datum : None</p> <p>Reference Marks : None</p> <p>Records available : Chlorinities and silt contents of river water from Jan 1980.</p> <p>Remarks : None</p>
7113	<u>STOLKERTSIJVER</u>	<p>Location : Commewijne river, km 103, near right bank, about 150 m upstream from the road bridge across the river at Stolkertsijver. Latitude 5°45'N.; Longitude 54°45'W.</p> <p>Gauge and Datum : Fuess (1026F) recorder referred to a staff gauge. Zero of gauge not constant but related to N.S.P datum by regular levelling to nearby reference marks.</p> <p>Reference Marks : OM137^B = 1.754 m N.S.P.</p> <p>Records available : Waterlevels from May 1966. Chlorinities and silt contents of river water from May 1973.</p> <p>Remarks : <ul style="list-style-type: none"> - Station initially (1966) near left bank on the landing stage used by ferry until 18 October 1976 when it was moved about 150 m downstream. Station finally moved on October 1978 to its present position near opposite bank. - An OTT XX recorder was used during the period 8 May 1974 to 30 October 1974. - Initially water samples were taken at Stolkertsijver from May 1973 - December 1979. In January 1980 the sampling point was moved about 3 km downstream to Peneribo. </p>
7125	<u>NIEUW JAVA</u>	<p>Location : Commewijne river, km 164, near left bank, about 2 m downstream from the road bridge across the river at Nieuw Java. Latitude 5°24'N.; Longitude 54°40'W.</p> <p>Gauge and Datum : Fuess (1026F) recorder referred to a staff gauge. Zero of gauge not constant but related to N.S.P. datum by regular levelling to nearby reference marks.</p> <p>Reference Marks : WA 709 = 4.088 m N.S.P.; VP^A (CBL) = 2.718 m N.S.P.</p> <p>Records available : Waterlevels from 6 April 1977.</p> <p>Remarks : None</p>
7316	<u>GIBBONS BEND</u>	<p>Location : Cottica river, km 124, near left bank, about 5 km upstream from the mouth of Orange creek at a place called Gibbons Bend. Latitude 5°51'N.; Longitude 54°40'W.</p> <p>Gauge and Datum : Fuess (1026F) recorder referred to a staff gauge. Zero of gauge not constant but related to N.S.P. datum by regular levelling to nearby reference marks.</p> <p>Reference Marks : WA 703 = 1.938 m N.S.P.; BN (CBL) = 1.367 m N.S.P.; NSP 723 = 0.9206 m N.S.P.</p> <p>Records available : Waterlevels from 29 January 1974.</p> <p>Remarks : <ul style="list-style-type: none"> - During period April 1964 to February 1967 ALCOA operated a station at Gibbons Bend at a site near the right bank close to the third island counting from the Cottica river mouth. These data have been made available to H.R.D. - During period August 1971 to January 1974 H.R.D. operated a station near the left bank about 800 m upstream from the present site. However, data for this period are poor and without datum checks. </p>
7319	<u>KOOPMANS KREEK</u>	<p>Location : Cottica river, km 134, near left bank, about 1 km downstream from Koopmans creek mouth. Latitude 5°49'N.; Longitude 54°30'W.</p> <p>Gauge and Datum : None</p> <p>Reference Marks : None</p> <p>Records available : Chlorinities and silt contents of river water from 1 May 1976.</p>

7324	<u>TAMARIN</u>	
Location	:	Cottica river, km 162, near right bank, opposite the nunnery at Tamarin village. Latitude 5°46'N.; Longitude 54°23'W.
Gauge and Datum	:	Fuess (1026F) recorder referred to a staff gauge. Zero of gauge not constant but related to N.S.P. datum by regular levelling to nearby reference marks.
Reference Marks	:	WA 704 = 2.122 m N.S.P.
Records available	:	Waterlevels from 4 June 1974; chlorinities and silt contents of river water from 24 July 1966
Remarks	:	None
7330	<u>MOENGO</u>	
Location	:	Cottica river, km 190, near right bank, on ALCOA marine dock at Moengo. Latitude 5°36'N.; Longitude 54°24'W.
Gauge and Datum	:	Fuess (1026F) recorder referred to a staff gauge. Zero of gauge -45 cm N.S.P.
Reference Marks	:	BN (Wachthuis) = 4.257 m N.S.P.; BN (Pol.Post) = 3.740 m N.S.P.
Records available	:	Waterlevels from 1933.
Remarks	:	- Station initially (1933) established by SURALCO using a Bristol recorder. - In December 1975 H.R.D. provided a Fuess recorder for station as well as recorder charts but SURALCO remained responsible for operation of the station. Recorder charts for the Fuess are sent to H.R.D. - Waterlevels not available for 1986.
7376	<u>TOEKRIEKI</u>	
Location	:	Coermotibo river, km 192, near left bank, about 6 km upstream from the mouth of Pikienma creek and in the mouth of an un-named small creek. Latitude 5°38'N.; Longitude 54°19'W.
Gauge and Datum	:	Fuess (1026F) recorder referred to a staff gauge. Zero of gauge is 0.00 m N.S.P.
Reference Marks	:	RM on base of water tower (Adjoema mine) is 3.834 m N.S.P.
Records available	:	Waterlevels from September 1983.
Remarks	:	- Gauge operated and maintained by SURALCO (Moengo branch) but stage recorder and recorder charts supplied by H.R.D. Used recorder charts are returned to H.R.D. - SURALCO is responsible for checking and maintaining the gauge datum at N.S.P. level. - Waterlevels not available for 1986.
7382	<u>PATAMACCA</u>	
Location	:	Patamacca river, km 204, near left bank, about 15 m downstream from the communal washing place at the Bruynzeel Company's settlement on Patamacca river. Latitude 5°33'N.; Longitude 54°25'W.
Gauge and Datum	:	Fuess (1026F) recorder referred to a staff gauge. Zero of gauge not constant but related to N.S.P. datum by regular levelling to nearby reference marks.
Reference Marks	:	WA 706 = 4.079 m N.S.P. OM 161 ^A = 10.13 m N.S.P.
Records available:	:	Waterlevels from 11 October 1966
Remarks	:	None

8. DRAINAGE AREA MAROWIJNE

8.1 DESCRIPTION OF OBSERVATION STATIONS

8106	<u>GALIBI</u>	
Location	:	Marowijne river, km 30, near left bank, opposite the downstream end of Christiaan Kondre village. Latitude 5°42'N.; Longitude 54°01'W.
Gauge and Datum	:	Fuess (1026F) recorder referred to a staff gauge. Zero of gauge not constant but related to a Local Datum (L.D.) by regular levelling to nearby reference marks.
Reference Marks	:	WA 800 = 5.167 m L.D.
Records available	:	Waterlevels from March 1983
Remarks	:	None
8110	<u>TAPAHOEKOE</u> (formerly EROWARTE)	
Location	:	Marowijne river, km 49, near left bank, at Tapahoekoe which lies just upstream from Erowarte. Latitude 5°52'N.; Longitude 54°02'W.
Gauge and Datum	:	None
Reference Marks	:	None
Records available:	:	Chlorinities and silt contents of river water from 1 December 1978.
Remarks	:	- Water samples taken twice daily by a local observer. - Prior to January 29, 1983 samples were taken at Erowarte.

8111	<u>ALBINA</u>	
Location	:	Marowijne river, km 57, near left bank, about 50 m downriver from the military barracks at Albina. Latitude 5°30'N.; Longitude 54°03'W.
Gauge and Datum	:	Fuess (1026F) recorder referred to a staff gauge. Zero of gauge not constant but related to N.S.P. datum by regular levelling to nearby reference marks.
Reference Marks	:	RB 182° = 3.579 m N.S.P.; WA 801 ^A = 1.840 m N.S.P
Records available:	:	Waterlevels from June 5, 1964; chlorinities and silt contents of river water from March 11, 1971.
Remarks	:	<ul style="list-style-type: none"> - Water samples are taken twice daily in river near the military barracks. - From Nov.19, 1969 to Nov. 5, 1976 a Stevens A35 recorder was used at this station. - Until February 18, 1983 the recorder was located on the old ferry landing-stage lying in the center of Albina and about 200 m upstream from its present location.
8117	<u>BASTIAAN</u>	
Location	:	Marowijne river, km 88, near left bank, opposite the island of Bastiaan. Latitude 5°18'N.; Longitude 54°14'W.
Gauge and Datum	:	Fuess (1026F) recorder referred to a staff gauge. Zero of gauge not constant but related to N.S.P. datum by regular levelling to nearby bench marks.
Reference Marks	:	WA 802 = 2.974 m N.S.P.; BN (BWKW) = 2.706 m N.S.P.
Records available	:	Waterlevels from November 6, 1966.
Remarks	:	None
8505	<u>LANGA TABBETJE</u>	
Location	:	Marowijne river, km 134 near left bank, at Chinesie Kondre and about 2 km upriver from the island called Langa Tabbetje. Latitude 5°00'N.; Longitude 54°24'W.
Drainage area	:	63,700 km ² approx.
Gauge and Datum	:	OTT X recorder referred to a staff gauge. Zero of gauge not constant but related to N.S.P. datum by regular levelling to nearby reference marks.
Reference Marks	:	WA 803 = 10.42 m N.S.P; NSP 1263 = 9.898 m N.S.P.
Records available:	:	Waterlevels and discharges from January 1952
Mean discharge	:	1699 m ³ .s ⁻¹ (1966 – 1986)
Remarks	:	<ul style="list-style-type: none"> - Station established on Dec.3, 1966 but records available from Jan, 1952 by translation of waterlevels from two other sites on the river to waterlevels at this station by means of relation curves. .See "Quality and Availability of River Water in the Coastal Area of Suriname", Section 13, Hydrological Data, Marowijne R., dated October 1969 published by H.R.D. - Discharge is measured at a section about 20 m upstream from the recorder. - Prior to April 1, 1982 a Fuess (1026F) recorder was used at this station. - Discharge ratings: No.1 (1966 - 1969); No. 3 (1970 - 1980); No. 4 (1981- 1986) . - Fourteen discharge measurements were made during 1986 at stages ranging from 5.53 m N.S.P. to 6.14 m N.S.P.