

PENDJARI A PORGA

Bassin : VOLTA
Latitude : 10°58' N
Longitude : 00°58' E
Superficie : 22.280 km²
Altitude zéro échelle : 138 m environ
Date de création : 12 juillet 1952

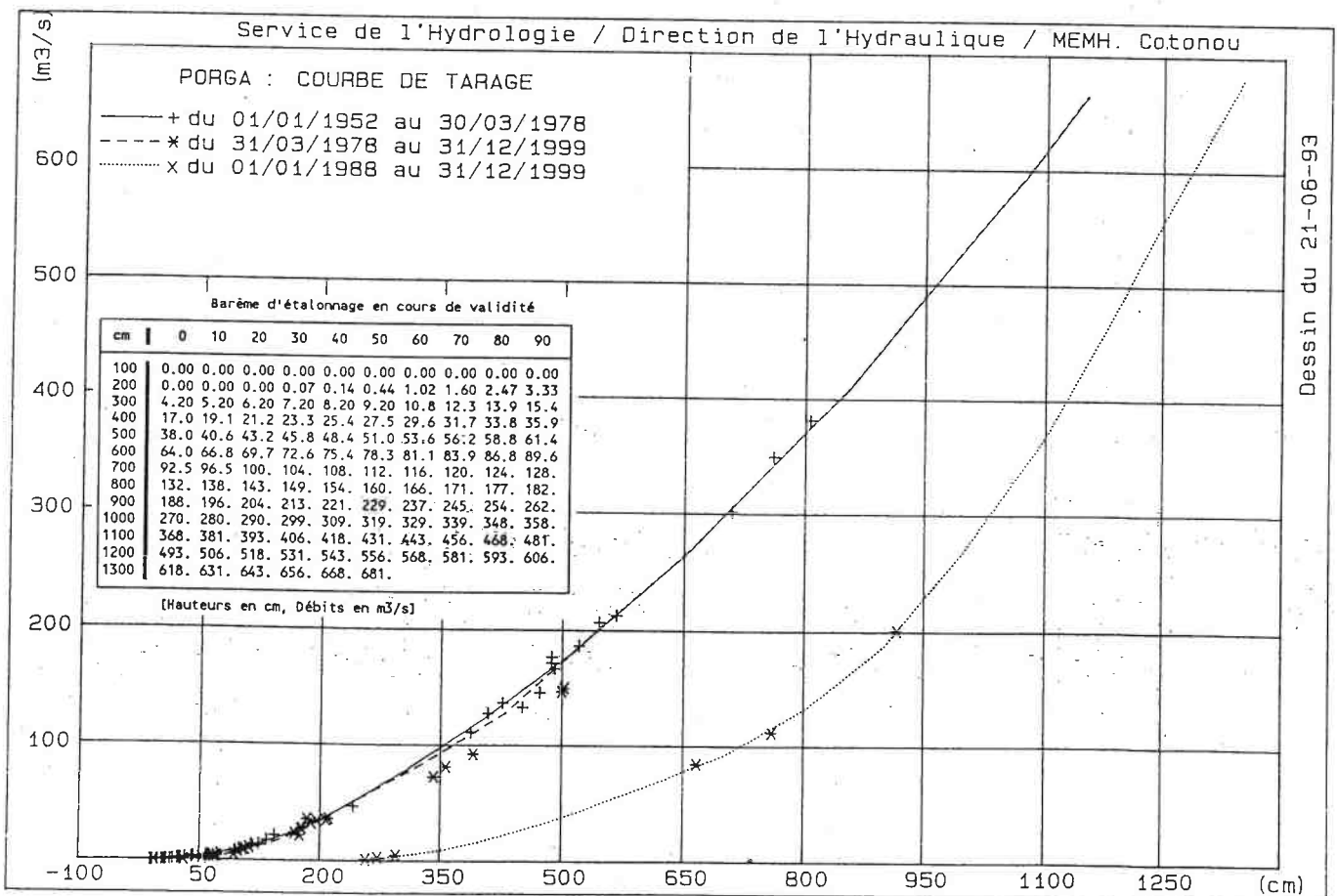
Description des échelles:

La station actuelle a été installée au droit du nouveau pont sur la Pendjari les 12 et 13 février 1988. Elle comporte des éléments de 2 à 14 mètres, les deux derniers ayant été rajoutés après la crue de 1988.

Une balise chloé C est installée en rive gauche à l'aval du pont.

Etalonnage:

Une corrélation a été effectuée à partir des 72 jaugeages de l'ancienne station afin de définir la nouvelle courbe de tarage pour laquelle on dispose de 6 jaugeages. Les basses eaux semblent d'ores et déjà bien définies et une cote de 9 mètres 19 a déjà été jaugée à la nouvelle station.



PENDJARI A PORGA : DEBITS MOYENS MENSUELS (m³/s)

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AN	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	ANNEE	AN
1952							18.1	82.8	297.	452.	80.7	9.47		1952
1953	4.08	1.48	0.37	0.00	11.4	41.3	50.1	120.	428.	348.	63.4	9.83	90.1	1953
1954	4.25	1.78	0.70	0.27	5.35	16.9	13.5	49.5	272.	134.	22.0	6.18	43.9	1954
1955	2.00	0.95	0.43	0.27	1.05	6.20	36.5	409.	518.	360.	73.1	11.5	119.	1955
1956	5.02	2.29	1.04	0.56	0.36	7.19	21.0	119.	318.	221.	13.3	5.65	59.6	1956
1957	1.72	0.70	0.19	0.01	3.58	15.4	27.6	241.	513.	365.	72.8	15.0	105.	1957
1958	6.71	2.63	0.83	0.27	0.55	4.26	1.41	53.0	163.	74.7	5.77	1.31	26.2	1958
1959	0.30	0.04	0.00	0.00	0.00	4.62	35.7	179.	436.	268.	19.4	6.56	79.4	1959
1960	2.65	1.37	0.52	0.40	1.87	6.23	22.4	67.2	250.	361.	60.4	5.46	65.1	1960
1961	1.98	0.54	0.08	0.00	1.71	6.80	48.6	105.	291.	155.	6.84	1.58	51.7	1961
1962	0.49	0.08	0.00	0.00	0.72	17.3	57.5	256.	489.	298.	60.3	8.17	99.3	1962
1963	1.83	0.09	0.16	2.53	1.24	2.85	55.8	269.	430.	288.	66.8	14.1	94.8	1963
1964	6.44	2.69	0.83	0.23	0.83	4.61	35.6	217.	431.	356.	45.7	6.96	92.5	1964
1965	2.90	1.12	0.34	0.01	0.09	6.31	17.6	79.8	208.	123.	13.6	4.53	38.2	1965
1966	1.66	0.64	0.12	0.19	0.58	7.48	9.67	107.	241.	228.	47.8	8.83	54.6	1966
1967	3.34	1.21	0.46	0.19	0.35	6.23	20.8	99.3	279.	276.	38.7	9.96	61.6	1967
1968	4.53	1.58	0.60	0.16	5.77	39.2	83.7	222.	304.	251.	51.0	13.2	81.7	1968
1969	6.25	2.78	0.97	2.99	1.39	12.8	70.1	149.	504.	315.	94.2	19.8	98.4	1969
1970	8.75	4.34	1.63	0.56	0.53	4.09	10.9	154.	447.	362.	30.5	8.68	86.5	1970
1971	3.86	1.53	0.66	0.26	1.38			175.	296.	104.	12.6	5.05		1971
1972	1.81	0.57	0.08	0.00	0.61	5.77	14.1	83.8	251.	208.	19.8	6.56	49.4	1972
1973	4.76	1.42	0.41	0.90	0.12	4.86	11.1	205.	183.	68.4	11.4	3.80	41.5	1973
1974	1.09	0.35	0.02	0.45	1.36	2.49	25.1	217.	350.	374.	40.9	8.60	85.7	1974
1975	3.68	1.30	0.36	0.03	1.98	4.24	82.7	146.	242.	312.	46.5	10.6	71.5	1975
1976	5.27	2.17	0.41	0.01		8.87	14.0	83.3	101.	95.6	79.6	12.5		1976
1977	5.17	1.86	0.39	0.02	0.00	1.81	20.2	154.	319.	65.0	6.53	2.01	47.9	1977
1978	0.50	0.08	0.00	0.00	2.26	7.00	15.8	49.2	155.	74.9	11.7	2.52	26.6	1978
1979	0.37	0.05							160.			5.20		1979
1980	1.24	0.11	0.03	0.00	0.00	2.85	5.38	95.1	243.	83.9	15.8	3.17	37.5	1980
1981	0.53	0.06	0.02	0.00	12.1	6.36	34.1	97.0	219.	54.3	5.34	0.74	35.9	1981
1982	0.06	0.02	0.00	0.00	2.71	13.3	13.4	64.6	143.	55.7				1982
1983		0.00	0.00	0.00	0.00	7.39	39.6	70.0	95.6	40.7	2.40	0.14		1983
1984	0.01	0.00	0.00	0.00	0.96	21.8	10.2	33.2	53.6	34.8	2.36	0.05	13.1	1984
1985	0.00	0.00	0.00	0.00	0.31	1.16	48.0	154.	185.	92.2	4.97	0.67	40.8	1985
1986	0.04	0.00	0.00	0.00	0.00	1.75	16.6	82.5	110.	51.9	9.52	1.98	23.0	1986
1987	0.15	0.03	0.00	0.00	0.00	2.75	10.7	56.6	88.9	28.2	3.97	0.29	16.0	1987
1988	0.13	0.00	0.00	0.00	0.00	2.55	29.3	105.	523.	219.	9.04	3.51	74.0	1988
1989	1.07	0.15	0.04	0.00	0.00	0.12	29.4	80.9	187.	95.9				1989
1990				0.00	0.45	0.42	10.2	73.4	74.3	12.3	1.33	0.08		1990
1991	0.01	0.00	0.11	0.16	6.80									1991
1992				0.00	0.46	5.85	15.2	37.8	139.	28.0	6.54	1.58		1992
Moy	2.56	0.95	0.32	0.27	1.81	8.41	28.5	129.	273.	188.	31.3	6.21	61.6	Moy
Maxi	8.75	4.34	1.63	2.99	12.1	41.3	83.7	409.	523.	452.	94.2	19.8	119.	Maxi
Mini	0.00	0.00	0.00	0.00	0.00	0.12	1.41	33.2	53.6	12.3	1.33	0.05	13.1	Mini
sur	37	38	37	39	38	37	38	39	40	39	37	38	31	valeurs

Moyenne des mois = 55.9 m³/s

impression du 11-06-1993 SH/DH

PENDJARI A PORGA EN 1985													
DEBITS MOYENS JOURNALIERS en m3/s													
Surface = 22280 km2													
J\	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	
1	.014	.000	.000	.000	.000	.225	12.5	111.	133.	184.	10.5	1.70	
2	.002	.000	.000	.000	.000	.145	11.2	116.	129.	177.	9.75	1.56	
3	.000	.000	.000	.000	.000	.112	10.5	120.	127.	173.	9.28	1.46	
4	.000	.000	.000	.000	.000	.071	12.1	127.	129.	174.	9.01	1.38	
5	.000	.000	.000	.000	.000	.048	14.9	137.	137.	178.	8.14	1.27	
6	.000	.000	.000	.000	.000	.039	18.5	148.	141.	181.	7.53	1.20	
7	.000	.000	.000	.000	.000	.044	22.6	156.	147.	182.	7.04	1.13	
8	.000	.000	.000	.000	.000	.086	25.8	159.	153.	181.	6.81	1.07	
9	.000	.000	.000	.000	.000	.087	22.9	158.	157.	178.	6.48	1.02	
10	.000	.000	.000	.000	.000	.062	22.0	158.	163.	174.	6.15	.960	
11	.000	.000	.000	.000	.000	.039	25.1	156.	168.	168.	5.93	.897	
12	.000	.000	.000	.000	.000	.027	31.3	154.	172.	158.	5.60	.840	
13	.000	.000	.000	.000	.000	.019	34.9	154.	177.	140.	5.18	.787	
14	.000	.000	.000	.000	.000	.004	41.9	151.	188.	116.	4.78	.741	
15	.000	.000	.000	.000	.000	.000	43.8	150.	199.	89.1	4.54	.684	
16	.000	.000	.000	.000	.000	.000	46.5	153.	204.	67.3	4.29	.587	
17	.000	.000	.000	.000	.000	.000	51.0	162.	216.	51.8	3.99	.482	
18	.000	.000	.000	.000	.000	.069	58.2	168.	224.	41.8	3.79	.425	
19	.000	.000	.000	.000	.000	.754	65.4	171.	227.	34.5	3.41	.346	
20	.000	.000	.000	.000	.000	.729	72.5	171.	230.	29.5	3.32	.328	
21	.000	.000	.000	.000	.000	.362	75.2	167.	231.	25.6	3.02	.306	
22	.000	.000	.000	.000	.000	.144	71.7	165.	227.	22.5	2.84	.274	
23	.000	.000	.000	.000	.000	.077	65.6	163.	222.	20.1	2.55	.237	
24	.000	.000	.000	.000	.000	.065	60.5	157.	221.	17.3	2.37	.191	
25	.000	.000	.000	.000	1.60	.251	60.3	163.	218.	15.6	2.32	.169	
26	.000	.000	.000	.000	2.91	2.09	64.8	173.	214.	15.0	2.26	.153	
27	.000	.000	.000	.000	1.79	4.09	71.3	174.	209.	14.0	2.23	.131	
28	.000	.000	.000	.000	1.02	6.29	80.3	169.	203.	13.3	2.09	.119	
29	.000	.000	.000	.000	.645	8.01	90.5	162.	198.	12.5	1.94	.113	
30	.000	.000	.000	.000	.967	10.8	100.	156.	191.	11.8	1.84	.107	
31	.000	.000	.000	.000	.536	104.	144.	144.	144.	11.0	1.0	.099	
AN													
Moy 1985:	.001	.000	.000	.000	.305	1.16	48.0	154.	185.	92.2	4.97	.670	40.5
Moy52-92:	2.56	.947	.319	.268	1.81	8.41	28.5	129.	273.	188.	31.3	6.21	61.6
Min obs :	.001	.000	.000	.000	.119	1.41	33.2	53.6	12.3	1.33	.048	13.1	
Max obs :	8.75	4.34	1.63	2.99	12.1	41.3	83.7	409.	523.	452.	94.2	19.8	119.

Mini j. = .000 m3/s le 03/01 Maxi j. = 231. m3/s le 21/09
 Maxi instantané = 231. m3/s le 20/09 à 17 heures
 Lame d'eau écoulée en 1985 = 57 mm

PENDJARI A PORGA EN 1986													
DEBITS MOYENS JOURNALIERS en m3/s													
Surface = 22280 km2													
J\	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	
1	.093	.000	.000	.000	.000	.010	7.29	41.7	74.7	118.	10.4	4.23	
2	.089	.000	.000	.000	.000	.030	4.81	42.1	74.1	113.	10.1	3.96	
3	.088	.000	.000	.000	.000	.036	4.43	35.8	76.0	114.	10.0	3.68	
4	.085	.000	.000	.000	.000	.039	7.52	39.3	79.0	114.	10.2	3.42	
5	.082	.000	.000	.000	.000	.041	6.92	48.1	92.7	110.	10.4	3.23	
6	.081	.000	.000	.000	.000	.049	11.0	62.2	99.4	109.	10.5	3.09	
7	.078	.000	.000	.000	.000	.050	12.4	63.6	103.	109.	10.9	2.86	
8	.074	.000	.000	.000	.000	.056	15.1	68.8	108.	108.	11.6	2.72	
9	.070	.000	.000	.000	.000	.070	20.3	70.4	111.	96.0	12.0	2.59	
10	.061	.000	.000	.000	.000	.102	25.4	74.1	110.	86.4	12.4	2.51	
11	.058	.000	.000	.000	.000	.338	27.3	84.5	109.	72.4	13.4	2.41	
12	.053	.000	.000	.000	.000	.346	24.8	87.0	110.	57.5	14.1	2.24	
13	.050	.000	.000	.000	.000	.552	20.9	87.8	113.	38.5	14.0	2.09	
14	.047	.000	.000	.000	.000	3.83	18.3	97.3	116.	33.1	13.7	1.98	
15	.044	.000	.000	.000	.000	4.36	16.7	103.	122.	30.3	12.5	1.86	
16	.041	.000	.000	.000	.000	3.97	16.8	105.	125.	28.5	11.2	1.70	
17	.039	.000	.000	.000	.000	1.87	16.5	109.	125.	27.6	10.3	1.59	
18	.036	.000	.000	.000	.000	.687	15.3	111.	123.	27.5	9.55	1.52	
19	.032	.000	.000	.000	.000	.184	14.5	112.	122.	27.1	8.87	1.45	
20	.028	.000	.000	.000	.000	.952	13.2	110.	122.	25.4	8.35	1.37	
21	.026	.000	.000	.000	.000	7.87	12.5	104.	126.	21.6	7.85	1.27	
22	.023	.000	.000	.000	.000	8.97	12.1	97.1	126.	18.9	7.54	1.19	
23	.020	.000	.000	.000	.000	6.71	11.7	94.6	124.	17.6	7.11	1.13	
24	.020	.000	.000	.000	.000	3.73	11.1	96.8	122.	17.3	6.70	1.07	
25	.020	.000	.000	.000	.000	2.61	11.5	94.5	117.	14.6	6.09	1.02	
26	.020	.000	.000	.000	.000	1.98	13.2	93.1	118.	13.2	5.74	1.01	
27	.012	.000	.000	.000	.000	1.32	19.3	92.2	117.	12.4	5.47	.966	
28	.009	.000	.000	.000	.000	.727	27.6	90.1	116.	11.8	5.17	.908	
29	.002	.000	.000	.000	.000	.214	28.7	86.2	116.	12.1	4.94	.847	
30	.000	.000	.000	.000	.000	.812	30.7	80.9	118.	12.7	4.66	.725	
31	.000	.000	.000	.000	.000	32.6	76.7	11.2	11.2	11.2	11.2	.598	
AN													
Moy 1986:	.044	.000	.000	.000	.000	1.75	16.6	82.5	110.	51.9	9.52	1.98	22.9
Moy52-92:	2.56	.947	.319	.268	1.81	8.41	28.5	129.	273.	188.	31.3	6.21	61.6
Min obs :	.001	.000	.000	.000	.000	.119	1.41	33.2	53.6	12.3	1.33	.048	13.1
Max obs :	8.75	4.34	1.63	2.99	12.1	41.3	83.7	409.	523.	452.	94.2	19.8	119.

Mini j. = .000 m3/s le 30/01 Maxi j. = 126. m3/s le 21/09
 Maxi instantané = 127. m3/s le 21/09 à 15 heures
 Lame d'eau écoulée en 1986 = 32 mm

PENDJARI A PORGA EN: 1987													
DEBITS MOYENS JOURNALIERS en m ³ /s													
Surface = 22280 km ²													
J\	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	
1	.492	.057	.000	.000	.000	11.5	25.3	68.5	72.6	9.42	1.12		
2	.426	.055	.000	.000	.000	11.6	25.1	69.4	68.2	8.68	1.02		
3	.378	.054	.000	.000	.000	11.4	25.5	75.7	63.4	8.08	.952		
4	.333	.052	.000	.000	.000	8.77	26.7	76.7	57.3	7.40	.895		
5	.303	.052	.000	.000	.000	7.38	31.1	81.5	50.3	7.00	.789		
6	.273	.050	.000	.000	.000	6.72	33.6	86.8	44.8	6.65	.656		
7	.224	.049	.000	.000	.000	7.60	39.5	90.5	40.8	6.28	.529		
8	.184	.049	.000	.000	.000	0.26	9.00	40.5	91.1	37.8	5.78	.422	
9	.165	.047	.000	.000	.000	0.39	10.0	40.8	89.6	37.2	5.29	.338	
10	.141	.046	.000	.000	.000	0.43	9.68	40.7	87.9	35.6	4.94	.291	
11	.126	.044	.000	.000	.000	0.41	9.55	39.7	86.2	32.8	4.63	.224	
12	.119	.044	.000	.000	.000	0.38	9.25	39.6	85.6	30.2	4.41	.156	
13	.113	.044	.000	.000	.000	0.36	8.90	41.5	87.3	27.9	3.96	.127	
14	.107	.041	.000	.000	.000	0.84	7.74	43.6	91.6	25.5	3.56	.119	
15	.101	.038	.000	.000	.000	.539	6.47	46.5	97.1	23.1	3.34	.111	
16	.096	.034	.000	.000	.000	2.36	5.18	52.0	95.1	21.1	3.08	.099	
17	.095	.031	.000	.000	.000	4.30	4.38	56.9	94.7	19.9	2.84	.090	
18	.095	.031	.000	.000	.000	6.19	4.34	62.3	100.	18.5	2.60	.085	
19	.091	.030	.000	.000	.000	8.01	5.02	69.2	105.	16.9	2.39	.081	
20	.088	.030	.000	.000	.000	8.39	7.47	76.3	107.	15.5	2.24	.078	
21	.088	.030	.000	.000	.000	7.53	14.9	81.0	109.	14.4	2.14	.077	
22	.085	.030	.000	.000	.000	6.44	16.7	85.9	107.	13.6	2.02	.074	
23	.084	.030	.000	.000	.000	5.12	15.2	89.4	103.	13.0	1.93	.074	
24	.081	.030	.000	.000	.000	3.84	14.0	89.1	100.	12.7	1.80	.071	
25	.078	.030	.000	.000	.000	2.93	13.1	87.8	94.9	12.7	1.67	.070	
26	.074	.030	.000	.000	.000	2.61	12.6	85.7	92.1	12.3	1.59	.067	
27	.074	.030	.000	.000	.000	2.50	12.6	81.8	79.7	12.1	1.51	.067	
28	.071	.030	.000	.000	.000	2.95	13.2	78.6	70.9	11.9	1.39	.067	
29	.067	.030	.000	.000	.000	6.74	14.7	75.6	71.1	11.5	1.32	.064	
30	.064	.030	.000	.000	.000	11.6	19.3	73.6	74.1	10.7	1.24	.060	
31	.061	.030	.000	.000	.000	23.6	69.5			10.2	.056		
AN													
Moy 1987:	.154	.029	.000	.000	.000	2.75	10.7	56.6	88.9	28.2	3.97	.288	16.0
Moy52-92:	2.56	.947	.319	.268	1.81	8.41	28.5	129.	273.	188.	31.3	6.21	61.6
Min obs :	.001	.000	.000	.000	.000	.119	1.41	33.2	53.6	12.3	1.33	.048	13.1
Max obs :	8.75	4.34	1.63	2.99	12.1	41.3	83.7	409.	523.	452.	94.2	19.8	119.

Mini j.= .000 m³/s le 19/02 Maxi j.= 109. m³/s le 21/09
 Maxi instantané = 109. m³/s le 21/09 à 12 heures
 lame d'eau écoulée en 1987 = 23 mm

PENDJARI A PORGA EN 1988													
DEBITS MOYENS JOURNALIERS en m ³ /s													
Surface = 22280 km ²													
J\	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	
1	.438	.000	.000	.000	.000	10.1	74.5	224.	471.	19.8	5.24		
2	.408	.000	.000	.000	.000	9.30	80.1	256.	448.	17.3	5.01		
3	.374	.000	.000	.000	.000	8.64	84.5	291.	427.	15.7	4.89		
4	.340	.000	.000	.000	.000	5.50	9.13	86.9	337.	14.6	4.71		
5	.306	.000	.000	.000	.000	3.93	10.5	87.4	368.	13.5	4.60		
6	.272	.000	.000	.000	.000	3.80	11.0	87.3	427.	12.6	4.46		
7	.237	.000	.000	.000	.000	4.84	9.75	86.2	513.	11.6	4.37		
8	.203	.000	.000	.000	.000	4.70	8.73	84.9	601.	10.8	4.20		
9	.169	.000	.000	.000	.000	2.33	8.52	83.0	640.	10.1	4.17		
10	.135	.000	.000	.000	.000	1.21	9.36	81.2	648.	286.	9.41	4.03	
11	.105	.000	.000	.000	.000	.871	11.2	81.6	645.	265.	8.95	4.03	
12	.096	.000	.000	.000	.000	.656	10.9	82.9	634.	248.	8.59	3.87	
13	.092	.000	.000	.000	.000	.452	13.9	83.6	623.	231.	8.22	3.76	
14	.087	.000	.000	.000	.000	.262	13.8	84.1	618.	214.	7.82	3.68	
15	.082	.000	.000	.000	.000	.210	11.0	84.7	608.	199.	7.56	3.57	
16	.078	.000	.000	.000	.000	.318	12.9	88.9	592.	185.	7.19	3.51	
17	.075	.000	.000	.000	.000	.326	15.5	93.0	585.	176.	6.92	3.38	
18	.068	.000	.000	.000	.000	.326	28.0	95.7	576.	167.	6.59	3.25	
19	.063	.000	.000	.000	.000	.326	43.5	102.	567.	158.	6.36	3.16	
20	.059	.000	.000	.000	.000	.423	50.4	107.	561.	150.	6.66	3.06	
21	.054	.000	.000	.000	.000	.581	49.4	111.	557.	143.	6.89	2.99	
22	.049	.000	.000	.000	.000	1.38	42.6	119.	557.	136.	6.69	2.87	
23	.043	.000	.000	.000	.000	2.47	35.8	124.	558.	129.	6.51	2.80	
24	.038	.000	.000	.000	.000	2.47	35.0	124.	555.	124.	6.30	2.64	
25	.032	.000	.000	.000	.000	4.13	40.0	126.	551.	117.	6.10	2.64	
26	.027	.000	.000	.000	.000	6.18	48.8	133.	545.	108.	5.93	2.47	
27	.022	.000	.000	.000	.000	6.43	61.2	133.	537.	92.5	5.76	2.47	
28	.016	.000	.000	.000	.000	8.45	70.7	141.	526.	70.0	5.60	2.38	
29	.011	.000	.000	.000	.000	9.20	73.7	152.	510.	46.6	5.60	2.29	
30	.005	.000	.000	.000	.000	9.67	73.0	163.	493.	31.1	5.41	2.29	
31	.001	.000	.000	.000	.000	72.6	187.			23.6	2.16		
AN													
Moy 1988:	.128	.000	.000	.000	.000	2.55	29.3	105.	523.	219.	9.04	3.51	74.3
Moy52-92:	2.56	.947	.319	.268	1.81	8.41	28.5	129.	273.	188.	31.3	6.21	61.6
Min obs :	.001	.000	.000	.000	.000	.119	1.41	33.2	53.6	12.3	1.33	.048	13.1
Max obs :	8.75	4.34	1.63	2.99	12.1	41.3	83.7	409.	523.	452.	94.2	19.8	119.

Mini j.= .000 m³/s le 01/02 Maxi j.= 648. m³/s le 10/09
 Maxi instantané = 651. m³/s le 10/09 à 11 heures
 lame d'eau écoulée en 1988 = 105 mm

Impression du 15-06-1993 SH/DH

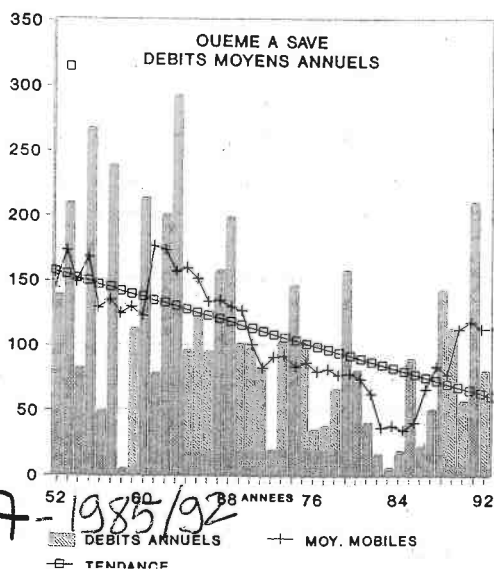
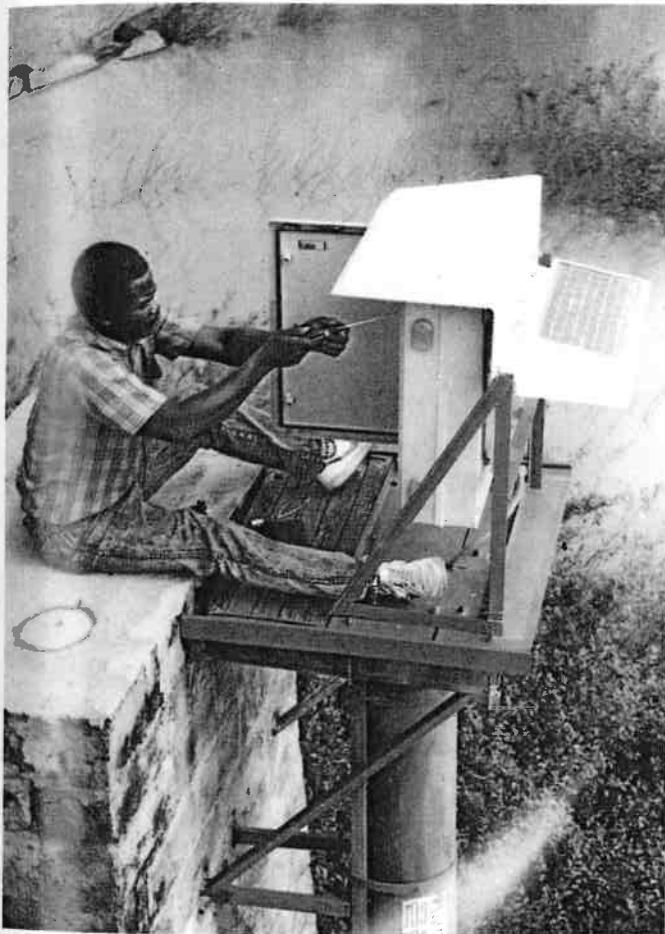


REPUBLIQUE DU BENIN
 =====
 MINISTERE DE L'ENERGIE DES MINES
 ET DE L'HYDRAULIQUE
 =====
 DIRECTION DE L'HYDRAULIQUE



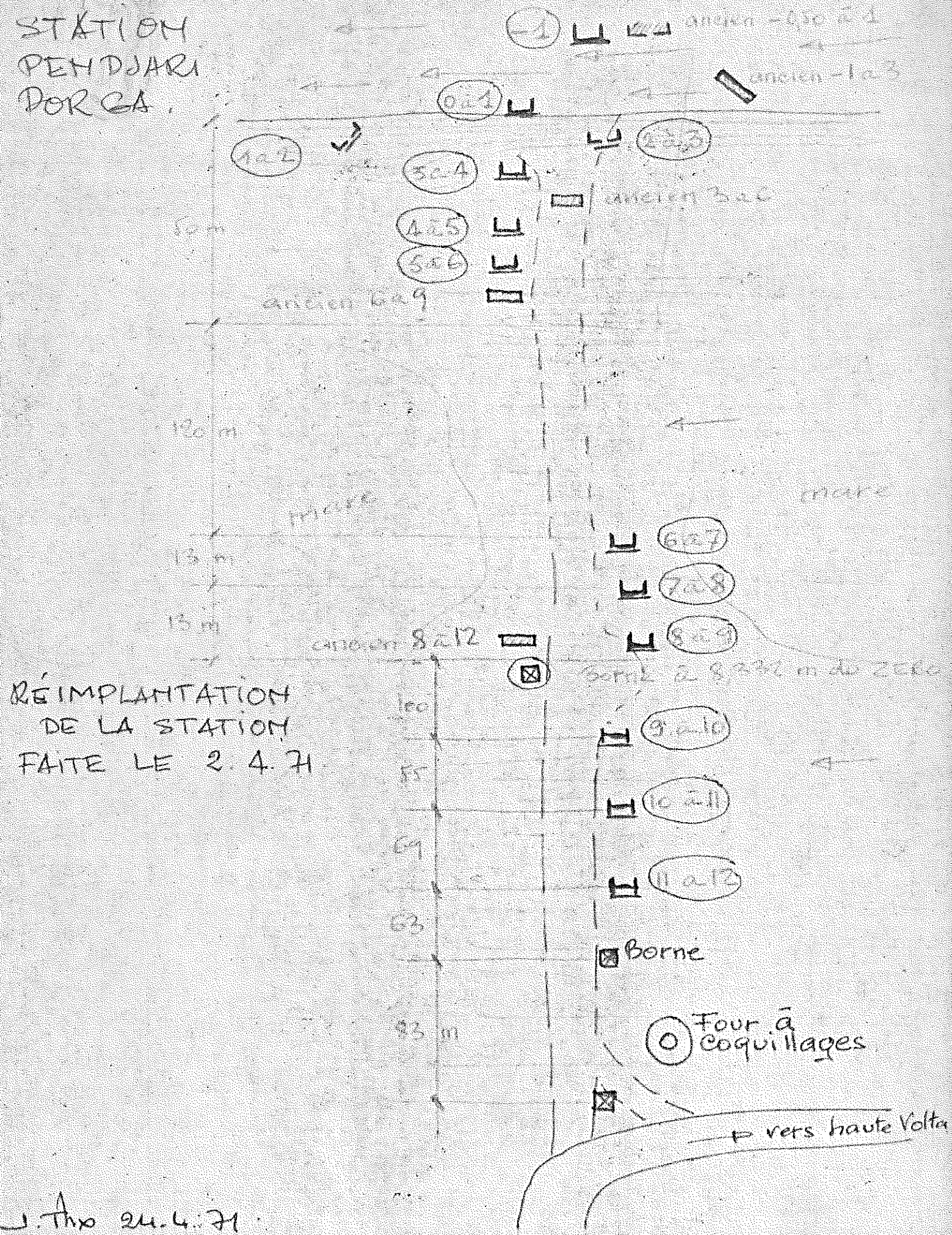
ANNALES HYDROLOGIQUES

1985-1992



SERVICE DE L'HYDROLOGIE
 JUILLET 1993

STATION
PENDJARI
DORCA.

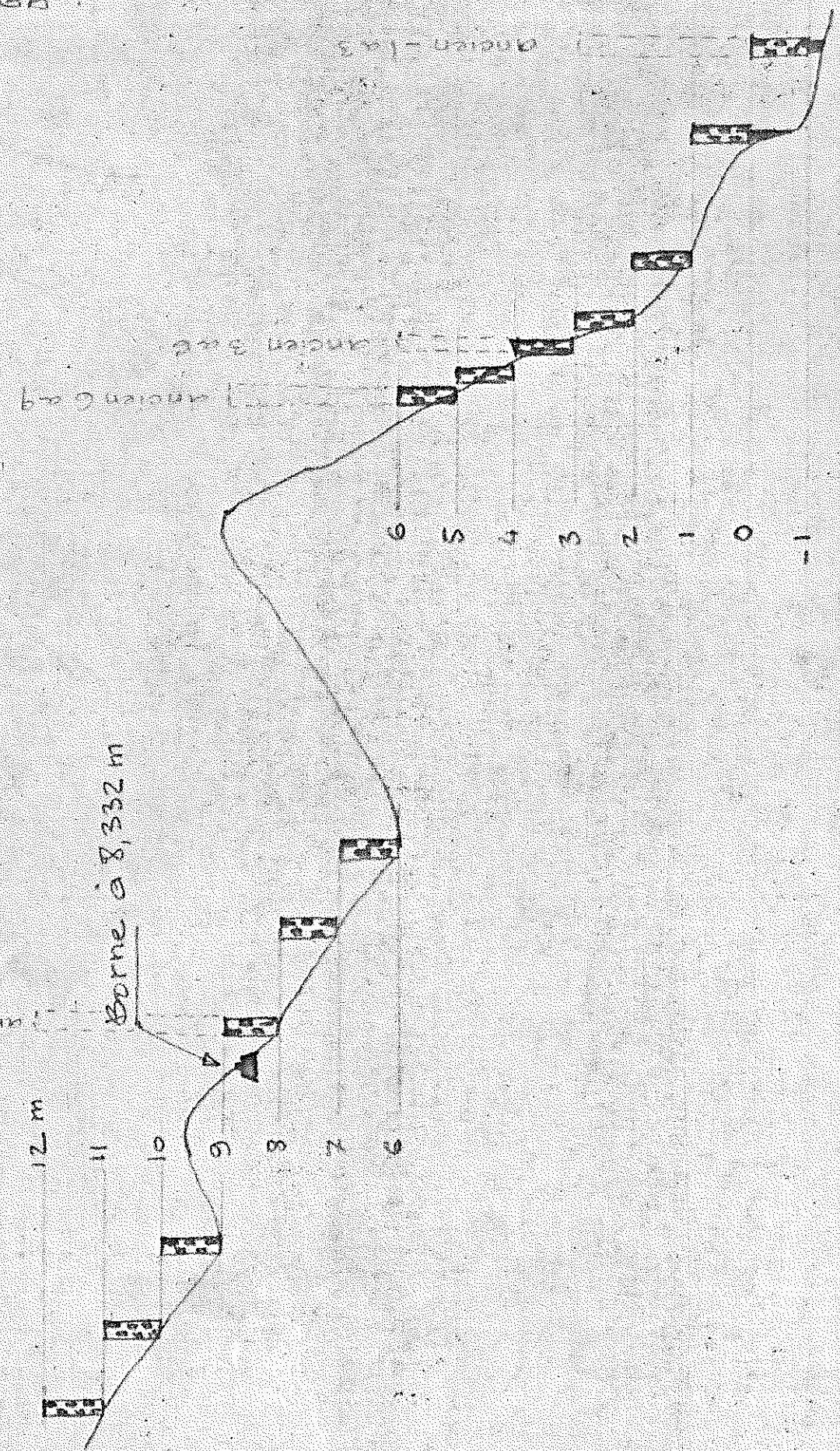


RÉIMPLANTATION
DE LA STATION
FAITE LE 2.4.71

J. Tho 24.4.71

STATION
PENDJARI
PORGA.

IMPLANTATION
FAITE LE 2.4.71.



Thx 24.4.71

STATION de PORGA

Situation avant le 2/2/11

