

# STATION DESCRIPTION

RIVER : Baie Du Cap

CATCHMENT CODE : Q

STATION CODE : Q01

LOCATION : Chamarel

GRID REF. Easting : 985,170  
 Northing : 972,850

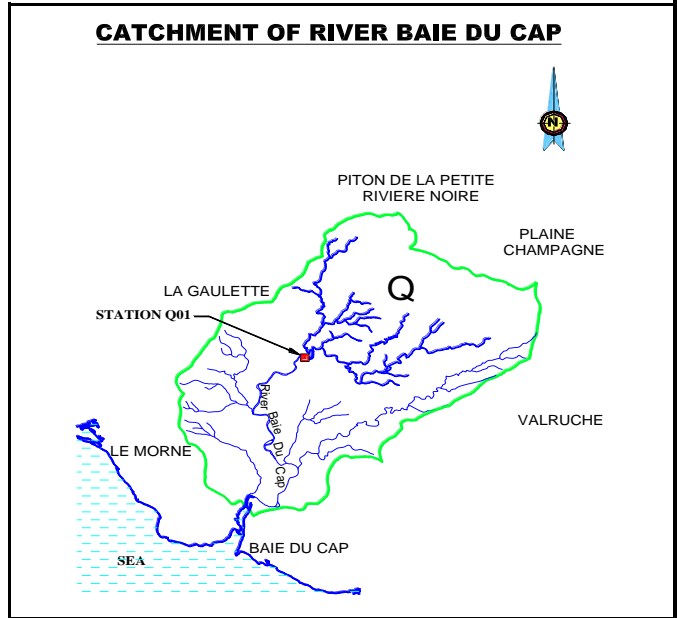
ELEVATION : 240  
 (m) (a.m.s.l)

MAXIMUM ELEVATION : 828  
 (m) (a.m.s.l)

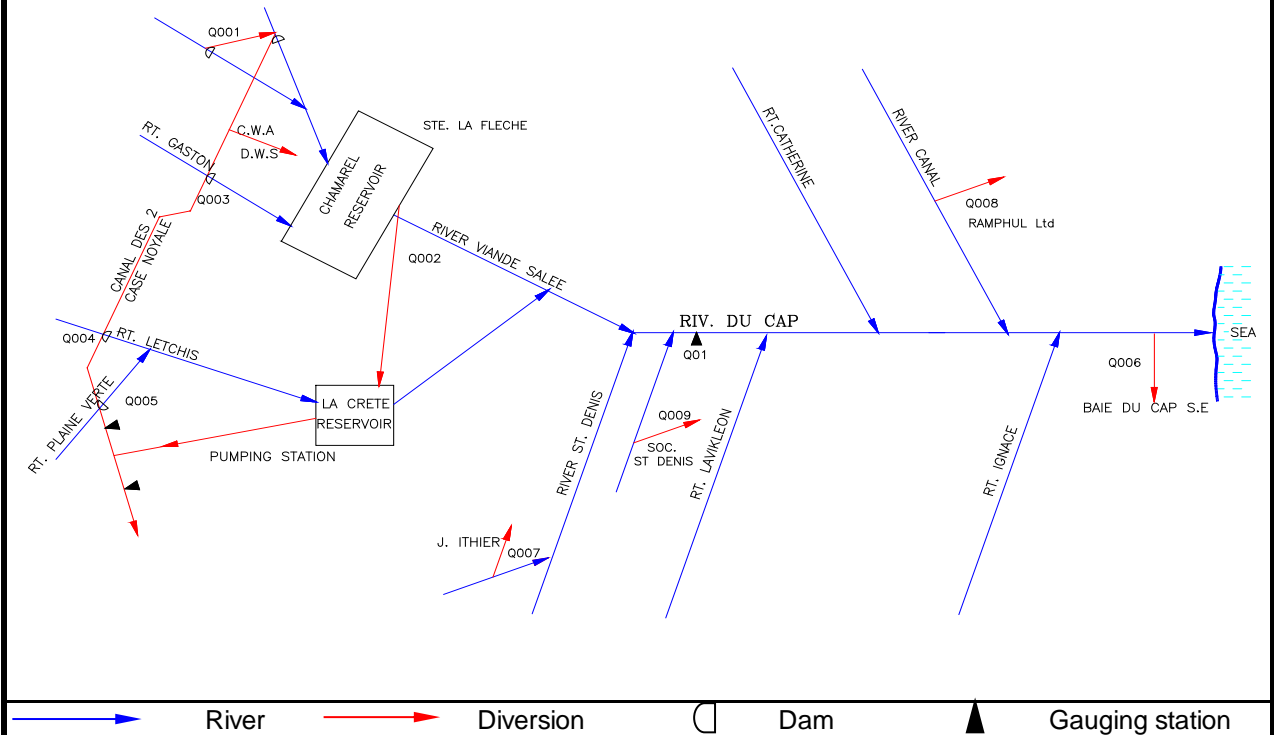
CATCHMENT AREA (Km<sup>2</sup>)  
 At Station : 17.96  
 At Sea : 40.40

EQUIPMENT : 2 Sharp crests in a broad crested weir with a 3 ft staff gauge.  
 : Leupold and Stevens Type A71 strip chart water level recorder.

RECORD : Since November 1967



## SCHMATIC DIAGRAM OF RIVER BAIE DU CAP



|                  |                              | NOV   | DEC   | JAN    | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | YEAR   |
|------------------|------------------------------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| YEAR : 2005 / 06 | Volume (Mm <sup>3</sup> )    | 0.515 | 0.489 | 1.645  | 1.403 | 2.199 | 0.688 | 0.536 | 0.423 | 0.852 | 0.743 | 0.492 | 0.441 | 10.426 |
|                  | Mean (m <sup>3</sup> /s)     | 0.199 | 0.183 | 0.614  | 0.580 | 0.821 | 0.266 | 0.200 | 0.163 | 0.318 | 0.277 | 0.190 | 0.165 | 0.331  |
|                  | Max (m <sup>3</sup> /s)      | 0.273 | 0.374 | 7.310  | 2.990 | 4.860 | 0.356 | 0.389 | 0.222 | 0.896 | 0.508 | 0.253 | 0.286 | 7.310  |
|                  | Min (m <sup>3</sup> /s)      | 0.153 | 0.136 | 0.156  | 0.243 | 0.340 | 0.222 | 0.136 | 0.136 | 0.178 | 0.182 | 0.178 | 0.136 | 0.136  |
|                  | Abs.Peak (m <sup>3</sup> /s) | 0.470 | 1.230 | 19.900 | 9.150 | 9.660 | 0.518 | 0.810 | 0.345 | 2.020 | 0.583 | 0.345 | 0.470 | 19.900 |

|                  |                              | NOV   | DEC   | JAN   | FEB    | MAR    | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | YEAR   |
|------------------|------------------------------|-------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|--------|
| YEAR : 2006 / 07 | Volume (Mm <sup>3</sup> )    | 0.481 | 0.328 | 0.428 | 4.917  | 2.546  | 0.657 | 0.603 | 0.748 | 0.680 | 0.609 | 0.467 | 0.422 | 12.886 |
|                  | Mean (m <sup>3</sup> /s)     | 0.186 | 0.122 | 0.160 | 2.033  | 0.951  | 0.253 | 0.225 | 0.289 | 0.254 | 0.228 | 0.180 | 0.158 | 0.409  |
|                  | Max (m <sup>3</sup> /s)      | 1.130 | 0.156 | 0.816 | 22.600 | 3.480  | 0.319 | 0.411 | 0.766 | 0.398 | 0.296 | 0.198 | 0.227 | 22.600 |
|                  | Min (m <sup>3</sup> /s)      | 0.100 | 0.075 | 0.065 | 0.178  | 0.294  | 0.223 | 0.156 | 0.198 | 0.173 | 0.187 | 0.148 | 0.125 | 0.065  |
|                  | Abs.Peak (m <sup>3</sup> /s) | 3.230 | 0.156 | 4.110 | 47.500 | 10.300 | 0.345 | 0.748 | 2.860 | 0.561 | 0.331 | 0.198 | 0.357 | 47.500 |

|                  |                              | NOV   | DEC   | JAN    | FEB   | MAR    | APR   | MAY    | JUN   | JUL   | AUG   | SEP    | OCT   | YEAR   |
|------------------|------------------------------|-------|-------|--------|-------|--------|-------|--------|-------|-------|-------|--------|-------|--------|
| YEAR : 2007 / 08 | Volume (Mm <sup>3</sup> )    | 0.294 | 0.286 | 0.523  | 0.868 | 1.521  | 0.782 | 2.822  | 1.232 | 1.271 | 0.749 | 1.577  | 0.640 | 12.565 |
|                  | Mean (m <sup>3</sup> /s)     | 0.113 | 0.107 | 0.195  | 0.346 | 0.568  | 0.302 | 1.054  | 0.476 | 0.475 | 0.280 | 0.608  | 0.239 | 0.397  |
|                  | Max (m <sup>3</sup> /s)      | 0.143 | 0.188 | 1.660  | 2.470 | 2.090  | 0.539 | 5.630  | 0.621 | 1.310 | 0.400 | 7.030  | 0.348 | 7.030  |
|                  | Min (m <sup>3</sup> /s)      | 0.099 | 0.074 | 0.073  | 0.141 | 0.232  | 0.210 | 0.210  | 0.375 | 0.317 | 0.214 | 0.176  | 0.178 | 0.073  |
|                  | Abs.Peak (m <sup>3</sup> /s) | 0.156 | 0.258 | 13.500 | 9.770 | 17.800 | 0.561 | 15.000 | 0.748 | 2.480 | 0.413 | 17.400 | 0.442 | 17.800 |

|                  |                              | NOV   | DEC   | JAN    | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | YEAR   |
|------------------|------------------------------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| YEAR : 2008 / 09 | Volume (Mm <sup>3</sup> )    | 0.443 | 0.652 | 0.850  | 1.326 | 1.123 | 1.044 | 1.579 | 0.805 | 0.932 | 0.950 | 0.630 | 0.506 | 10.840 |
|                  | Mean (m <sup>3</sup> /s)     | 0.171 | 0.243 | 0.317  | 0.548 | 0.419 | 0.403 | 0.590 | 0.310 | 0.348 | 0.355 | 0.243 | 0.189 | 0.344  |
|                  | Max (m <sup>3</sup> /s)      | 0.364 | 0.780 | 1.450  | 1.440 | 1.580 | 0.484 | 1.480 | 0.407 | 0.538 | 0.493 | 0.329 | 0.257 | 1.580  |
|                  | Min (m <sup>3</sup> /s)      | 0.127 | 0.108 | 0.098  | 0.259 | 0.269 | 0.269 | 0.378 | 0.269 | 0.269 | 0.280 | 0.232 | 0.156 | 0.098  |
|                  | Abs.Peak (m <sup>3</sup> /s) | 1.230 | 5.610 | 10.100 | 8.380 | 9.940 | 0.484 | 2.020 | 0.538 | 1.700 | 0.940 | 0.442 | 0.306 | 10.100 |

|                  |                              | NOV   | DEC   | JAN   | FEB     | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | YEAR   |
|------------------|------------------------------|-------|-------|-------|---------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| YEAR : 2009 / 10 | Volume (Mm <sup>3</sup> )    | 0.851 | 0.762 | 0.727 | 3.528 * | 1.425 | 0.646 | 0.455 | 0.549 | 1.311 | 1.143 | 0.692 | 0.497 | 12.586 |
|                  | Mean (m <sup>3</sup> /s)     | 0.328 | 0.284 | 0.271 | 1.458   | 0.532 | 0.249 | 0.170 | 0.212 | 0.490 | 0.427 | 0.267 | 0.186 | 0.399  |
|                  | Max (m <sup>3</sup> /s)      | 0.490 | 0.358 | 0.804 | 8.930   | 1.580 | 0.356 | 0.215 | 0.250 | 5.140 | 1.570 | 0.370 | 0.220 | 8.930  |
|                  | Min (m <sup>3</sup> /s)      | 0.156 | 0.232 | 0.128 | 0.345   | 0.315 | 0.187 | 0.152 | 0.130 | 0.157 | 0.280 | 0.214 | 0.156 | 0.128  |
|                  | Abs.Peak (m <sup>3</sup> /s) | 0.501 | 0.399 | 2.550 | 20.100  | 7.330 | 0.719 | 0.232 | 0.280 | 9.290 | 6.030 | 0.719 | 0.232 | 20.100 |

\* generated values

▪ Estimated

N.A Not available