

Annex 1 :

French Projects and works costs tables

From:

The French Study Areas Report for RESPONSE, also contained on the Project CD-Rom

Reference:

C. Vinchon, D. Idier, M. Garcin, Y. Balouin, C. Mallet S Aubie L. Closset 2006, Response of the Coastline to Climate Change. Specific Report for the RESPONSE LIFE–Environment Project: Evolution of coastal risks (Erosion and marine flooding) on the Aquitaine and Languedoc-Roussillon pilot regions, BRGM/RP 54718-FR, July 2006

| Township/locality | Year | Breakwater | | Groynes | | | seawall | | wooden pile groyne | beach nourishment | reprofilage | geotextile | management | total €, > ou = | total per communes |
|---------------------------|-------------|------------|------------|----------|------------|------------------------------|----------|------------|--------------------|-------------------|-------------|------------|------------|-----------------|--------------------|
| | | Building | Conforting | Building | Conforting | destruction/ down grading | Building | Conforting | | | | | | | |
| La Claire/ St Nicolas | 1840 | | | | | | | | | | | | | | |
| Les Huttes | 1930-34 | | | | | | | | | | | | | | |
| | 2003 | | | | | | | | | | | | | 60000 | 60000 |
| Les Arros (Soulac) | 1840 | | | | | | | | | | | | | | |
| | 1930-34 | | | | | | | | | | | | | | |
| | 2004 | | | | | | | | | | | | | 800 000 | |
| Soulac Plage Centrale | 1930 | | | | | | | | | | | | | | |
| | 1994 | | | | | | | | | | | | | | |
| | 2001 | | | | | | | | | | | | | 1 026 000 | |
| Soulac Crossa | 2001 | | | | | | | | | | | | | 158000 | |
| L'Amélie /mer (Soulac) | 1961 à 2000 | | | | | | | | | | | | | | |
| | 2004 | | | | | | | | | | | | | 2000000 | 3 984 000 |
| Plage du Gulp (Gr et l'H) | 2001 | | | | | | | | | | | | | 198 000 | |
| Plage du Depé | 1990 | | | | | | | | | | | | | | |
| | 2001 | | | | | | | | | | | | | 231 000 | 429 000 |
| Montalivet | 1979 | | | | | | | | | | | | | | |
| | 1994 | | | | | | | | | | | | | | |
| | 1996 | | | | | | | | | | | | | | |
| | 1998 | | | | | | | | | | | | | | |
| | 2001 | | | | | | | | | | | | | 109 000 | 109 000 |
| Plage du Pin sec | 2001 | | | | | | | | | | | | | 231 000 | 231 000 |

| Township/locality | Year | Breakwater | | Groyne | | | seawall | | wooden pile groyne | beach nourishment | reproflage | geotextile | management | total €, > ou = | total per communes |
|-------------------|--------------|------------|------------|----------|------------|------------------------------|----------|------------|--------------------|-------------------|------------|------------|------------|-----------------|--------------------|
| | | Building | Conforting | Building | Conforting | destruction/ down grading | Building | Conforting | | | | | | | |
| Le Pyla/mer | 2005 | | | | | | | | | | | | | 2200000 | 2220000 |
| | 1961 | | | | | | | | | | | | | 52000 | |
| | 1966 | | | | | | | | | | | | | 42000 | |
| Mimizan | 19° century | | | | | | | | | | | | | | |
| | 1958 | | | | | | | | | | | | | 45000 | |
| | 1967 | | | | | | | | | | | | | 33000 | |
| | 1968 | | | | | | | | | | | | | 133000 | |
| | 1974 | | | | | | | | | | | | | 6000 | |
| | 1987 | | | | | | | | | | | | | 28000 | |
| | 2001-2004 | | | | | | | | | | | | | | 339000 |
| Contis | 1958-1968 | | | | | | | | | | | | | 193000 | |
| | 1968 to 1989 | | | | | | | | | | | | | 223000 | |
| | 2000 | | | | | | | | | | | | | | 416000 |
| Vieux Boucau | 1958-1979 | | | | | | | | | | | | | 313000 | |
| | 1964 to 1987 | | | | | | | | | | | | | 232000 | |
| | 2001 | | | | | | | | | | | | | | 545000 |
| Seignosse | ? | | | | | | | | | | | | | | |
| | 1974 to 1979 | | | | | | | | | | | | | 282000 | |
| | 1999 | | | | | | | | | | | | | | 282000 |
| Hossegor | 1953-1975 | | | | | | | | | | | | | 24000 | |
| | 1961 | | | | | | | | | | | | | 161000 | |
| | 2005 | | | | | | | | | | | | | | 185000 |

| Township/locality | Year | Breakwater | | Groynes | | | seawall | | wooden pile groyne | beach nourishment | reprofilage | geotextile | management | total €, > ou = | total per communes |
|-------------------|--------------|------------|------------|----------|------------|---------------------------------|----------|------------|--------------------|-------------------|-------------|------------|------------|-----------------|--------------------|
| | | Building | Conforting | Building | Conforting | destruction/ down grading | Building | Conforting | | | | | | | |
| Cap Breton | 1950 to 1980 | | | | | | | | | | | | | 1292000 | |
| | 1968 to 1980 | | | | | | | | | | | | | 1 095 000 | |
| | From 2006 on | | | | | | | | | | | | | 2719000 | 5106000 |
| Ondres | 1979 | | | | | | | | | | | | | | |
| | 1999 | | | | | | | | | | | | | | |

Table 1 : Collected data on project and global investments for defences and coast line protection in Gironde and Landes departements (data SM33 and DD40)

| Township | Cost in € | coût euros | Beach nourishment | Type of works | Investment by sedimentary cell | |
|----------------|-----------------|------------|---|---|--------------------------------|---------|
| LE GRAU-DU-ROI | 1975 | 51833 | | 5 groynes | | |
| | 1977 | 65553 | | 5 groynes | | |
| | 1981 | 152449 | | 4 groynes | | |
| | 1982 | 91469 | | 4 groynes | | |
| | 1983 | 182939 | | 16 groynes | | |
| | 1985 | | | Rhone channelisation. 3 groynes on former river mouth . Comforting of groynes | | |
| | 1989 | 151229 | | 7 grioynes . | | |
| | 1993 | 129582 | | 5 groynes . | | |
| | 1997 | 182939 | | 5 groynes on l'Espiguette beach . In 1999, comforting of | | 1007993 |
| | 1977 | 60980 | | comforting | | 60980 |
| | 1972 | 182939 | Grau du roi beach totally nourished : . 180 000m3 .to be continued. | | | |
| | 1986 | 152449 | | groynes | | |
| | 1990 | 91469 | | comforting | | 426857 |
| | 1984 | | | Building and comforting groynes, as protection of outlet | | |
| | 1987 | 769868 | 50 000 m3 sand from l'Espiguette ,. | Buiding and comforting of breakwaters | | |
| | 1990 | 93299 | | | | |
| | 1993 | 38112 | | Groyne comforting | | |
| | 1999 | ? | | Groyne comforting . | | 901279 |
| | LA GRANDE-MOTTE | 1981 | 60980 | | Breakwaters and groynes | |
| 1969 | | 289653 | | | | |
| 1983 | | 106714 | | | | |
| 1971 | | 30490 | | 487837 | | |

| Township | Cost in € | coût euros | Beach nourishment | Type of works | Investment by sedimentary cell |
|-------------------|-----------|------------|---------------------------|---------------------------------|--------------------------------|
| PALAVAS-LES-FLOTS | 1976 | 27441 | | | 99397 |
| | 1969 | 18294 | | | |
| | 1962 | 36588 | | | |
| | 1957 | 10671 | | | |
| | 1951 | 6403 | | Groynes building and comforting | |
| | 1992 | 381123 | 25 000 m3 | groynes | 949148 |
| | 1994 | 304898 | | Jetties | |
| | 1996 | 70127 | | | |
| | 1998 | 193000 | | Breakwater and groynes | |
| FRONTIGNAN | 1985 | 137204 | | | 137204 |
| | 1948 | 6098 | | 3 groynes | 268310 |
| | 1964 | 3049 | | Groynes comforting . | |
| | 1970 | 45735 | | | |
| | 1976 | 137204 | | Groynes comforting | |
| | 1977 | 15245 | | | |
| | 1978 | 60980 | | | |
| | 1964 | 76225 | | Channel comforting | |
| SETE | 1981 | 304898 | 17 000m3 . | breakwater | 1205872 |
| | 1983 | 579306 | | | |
| | 1987 | 213429 | 20 000 m3. (from seaward) | 2 Breakwaters . | |
| | 1988 | 343010 | 20 000m3 (from land) | | |
| | 1993 | 70127 | | breakwater | |

| Township | Cost in € | coût euros | Beach nourishment | Type of works | Investment by sedimentary cell |
|--------------|-----------|------------|--------------------------------|---|--------------------------------|
| AGDE | 1977 | 15245 | | groynes | 277457 |
| | 1989 | 262212 | Sand input for infrastructures | Groynes ? . | |
| | 1985 | 335388 | 400 000 F | Plage Richelieu (Pointe de Roche longue) , 5 groynes , 4 transformed in breakwaters | 2651112 |
| | 1992 | 957380 | | Transformation of 4 groynes into breakwater , 3 breakwaters | |
| | 1994 | 414661 | | 2 breakwaters | |
| | 1996 | 411612 | | 2 breakwaters | |
| | 1998 | 196775 | | | |
| | 2001 | 335295 | | Access to breakwater and breakwater | |
| | 2002 | | | 2 breakwaters | |
| | 2003 | | | 1 breakwater | |
| | 1995 | 243918 | 17000 m3 | 3 groynes | |
| | 1996 | 107477 | | | |
| | 1998 | | | Groyne : digue des Allemands.. | |
| VIAS | 1982 | 243918 | | groynes | 1267967 |
| | 1990 | 30490 | | groynes | |
| | 2000 | 642164 | | 3breakwaters and dune restoration | |
| VALRAS-PLAGE | 1985 | 27441 | | breakxater | 1322960 |
| | 1992 | 381123 | 50 000m3 | 3 breakwaters | |
| | 1995 | 259163 | 22 500m3 | | |
| | 1999 | 655234 | 60 553m3. | | |

Table 2 : Cost data for defence works and coast protection. (from SMNLR)