



THE STABIPLAGE® letter



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The safeguard of river banks and beaches

Plan of Prevention of the Risks: STABIPLAGE® a tool to measure. In parallel, a reshaping of the front dune was realized for to reform a balanced dune profile (pouring under the wind), presenting clearly a soft and regular slope, contributing to decrease in significant manner the speed of the wind and thus its erosive potential. The dune is from now on ready to adapt and resist to the agents of forcing weather-sailors. The center of Help and dwellings are protected.

Example of the protection of the dune cord of Kerlouan - Brittany

The erosion of the dune cord of beach of Boutrouilles became one priority problems for the commune of Kerlouan - North of the Finistere. Marked by a sharp cliff of three hundred meters linear, the cord also suffers of a wind erosion facilitated by an abrupt profile - made uneven about five meters - mainly deprived of vegetation.

In addition to the loss of its natural inheritance, the destruction of the dune cord (marine breaches and openings) would generate the immersion of the center of help (SNSM) as well as dwellings all close relations (Communal Plan of Prevention of the Risks). Following the visit of Guilvinec site to analyze the effects of technique STABIPLAGE®, the common request with ESPACE PUR, at the end of May 2006, to conceive a durable solution. Face with the stakes and face the hydro-sedimentary context, ESPACE PUR

recommends the implementation of a work STABIPLAGE® established longitudinally at the bottom of the dune over a length of 270 linear meters.



Kerlouan: sight in length of the STABIPLAGE® set up at the bottom of the dune before the phase of reshaping of the front dune.

Works were completed between on October 18 and on November 21 2006. The system, reinforcing and making safe the dune (protected core), plays from now on the part of plug between the dune and the swells, which cannot mobilize any more these sediments. The risk of breach in cord is isolated. The installation of ganivelles and, possibly, a reinforcement of the vegetation by plantations, will come to supplement the system on the level higher part of the dune.

The reshaping and the phase of protection of the dune cord have been just finished; the vegetation will recolonize again the environment gradually.



Example of natural return of vegetable cover after the implementation of a STABIPLAGE® established longitudinally at the bottom of the dune.



Protection STABIPLAGE® covered to the 3/4 by sand collected after 3 months of operation

A third STABIPLAGE® for Graye sur Mer beach – Normandy

Front of the very satisfactory results of a first section of work (cf letter n°2), the protection of the beach of Graye sur Mer continues with STABIPLAGE®: the implementation of one 3rd work perpendicular to the feature of coast, 97 meters long, was completed in September 2006. The work uses also the natural sedimentary transit to raise the beach profile and to durably protect the feature of coast as well as the coastal fringe from Graye: over these the last 3 months, the volume of fattening is already important, estimated at 1.900 m3.

STABIPLAGE® protects and revalorizes the Great Beach of Damgan - Brittany

The commune of Damgan presents linear coastal (17km) which allow observing a large landscape variety as well as a recognized ecological richness, on a national and international scale. However, this inheritance is threatened by marine erosion. In addition, the presence of the anthropic adjustments of the top of beach – type "perrés" - accelerates and accentuates this phenomenon: it is the case of the Great Beach of Damgan, where profile of beach drop significantly, putting in danger infrastructures, dwellings and touristic quality of reception. Front of this report, the common called ESPACE PUR in order to conceive a durable solution. A first phase work has just finished in November: 2 STABIPLAGE® set up perpendicular to the coastline - a 40 meters long - have summers have been established to stabilize the feature of coast and to fatten again the profile of the beach, by using the existing sedimentary transit. Finally, the beach will find its dynamic stability, its potential of reception and its function of natural protection front of the swell.



November 2006: End of implementation of two works STABIPLAGE® on the Great Beach of Damgan

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