

Integration of Vetiver System within conventional erosion control technologies in Brazzaville, Republic of the Congo: VARIOUS VIEWS OF CASIS GULLY



1. Initial status of Casis gully



2. Construction of drain and Remodeling of Casis gully



3. Construction of terramesh retaining wall and the planting of vetiver grass



4. Same place some months later



5. Construction of drain, terramesh retaining wall and the planting of vetiver grass



6. Same place some months later



7. Casis site viewed from valley, before planting vetiver



9. Casis site viewed from valley, some months after planting vetiver



The integration of this vetiver-based bio-engineering technology involved the planting of vetiver hedgerows along land contours to protect embankments, slopes and man-made conventional anti-erosion structures (drains, gabions, and Terramesh retaining walls) at the erosion sites in the northern part of Brazzaville.

The vetiver vegetative cover and the deep penetration of the dense root system into the soil have contributed greatly to effective erosion protection of man-made structures, as well as protecting the slopes and embankments on these sites.

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