Record Nr. UNINA9910789916703321 **Titolo** Approaches for ecosystem services valuation for the Gulf of Mexico after the Deepwater Horizon oil spill [[electronic resource]]: interim report / / National Research Council of the National Academies Washington, D.C., : National Academies Press, 2012 Pubbl/distr/stampa **ISBN** 0-309-21182-4 1-280-12316-8 9786613527028 0-309-21180-8 Descrizione fisica 1 online resource (162 p.) Disciplina 363.7382 BP Deepwater Horizon Explosion and Oil Spill, 2010 Soggetti Natural resources - Management Oil spills - Economic aspects - Gulf States Oil spills - Environmental aspects - Mexico, Gulf of Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali "Committee on the Effects of the Deepwater Horizon Mississippi Canyon-252 Oil Spill on Ecosystem Services in the Gulf of Mexico. Ocean Studies Board, Division on Earth and Life Studies." Includes bibliographical references. Nota di bibliografia ""Front Matter""; ""Acknowledgments""; ""Contents""; ""Summary""; Nota di contenuto ""Introduction"": ""1 Physiographic, Oceanographic, and Ecological Context of the Gulf of Mexico""; ""2 Approaches to Damage Assessment and Valuation of Ecosystem Services"; ""3 Methods to Establish Baselines for Gulf of Mexico Ecosystem Services"": ""4 An Ecosystem Services Approach to Damage Assessment""; ""References""; ""Appendix A: Committee and Staff Biographies""; ""Appendix B: Acronyms"" On April 20, 2010, the Deepwater Horizon platform drilling the Sommario/riassunto Macondo Well in Mississippi Canyon Block 252 (DWH) exploded, killing 11 workers and injuring another 17. The DWH oil spill resulted in nearly 5 million barrels (approximately 200 million gallons) of crude oil spilling into the Gulf of Mexico (GoM). The full impacts of the spill on the GoM and the people who live and work there are unknown but expected to be considerable, and will be expressed over years to

decades. In the short term, up to 80,000 square miles of the U.S. Exclusive Economic Zone (EEZ) were closed to fishing, resulting in loss of food, jobs and recreation. The DWH oil spill immediately triggered a process under the U.S. Oil Pollution Act of 1990 (OPA) to determine the extent and severity of the "injury" (defined as an observable or measurable adverse change in a natural resource or impairment of a natural resource service) to the public trust, known as the Natural Resources Damage Assessment (NRDA). The assessment, undertaken by the trustees (designated technical experts who act on behalf of the public and who are tasked with assessing the nature and extent of siterelated contamination and impacts), requires: (1) quantifying the extent of damage; (2) developing, implementing, and monitoring restoration plans; and (3) seeking compensation for the costs of assessment and restoration from those deemed responsible for the injury. This interim report provides options for expanding the current effort to include the analysis of ecosystem services to help address the unprecedented scale of this spill in U.S. waters and the challenges it presents to those charged with undertaking the damage assessment.