

1. Record Nr.	UNINA9910963492603321
Titolo	Trophic cascades : predators, prey, and the changing dynamics of nature // edited by John Terborgh and James A. Estes
Pubbl/distr/stampa	Washington [DC], : Island Press, c2010
ISBN	9781597268196 1597268194
Edizione	[1st ed.]
Descrizione fisica	1 online resource (487 p.)
Altri autori (Persone)	TerborghJohn <1936-> EstesJ. A <1945-> (James A.)
Disciplina	577/.16
Soggetti	Predation (Biology) Predatory animals - Ecology Keystone species
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Trophic cascades : what they are, how they work, and why they matter / John Terborgh, Robert D. Holt, and James A. Estes -- Food chain dynamics and trophic cascades in intertidal habitats / Robert T. Paine -- Some effects of apex predators in higher-latitude coastal oceans / James A .Estes, Charles H. Peterson, and Robert S. Steneck -- Trophic cascades in lakes : lessons and prospects / Stephen R. Carpenter ... [et al.] -- Prey release, trophic cascades, and phase shifts in tropical nearshore ecosystems / Stuart A. Sandin, Sheila M. Walsh, and Jeremy B.C. Jackson -- Trophic cascades in open ocean ecosystems / Tim Essington -- The role of herbivores in terrestrial trophic cascades / Robert J. Marquis -- Propagation of trophic cascades via multiple pathways in tropical forests / John Terborgh and Kenneth Feeley -- Large predators, deer, and trophic cascades in boreal and temperate ecosystems / William J. Ripple, Thomas P. Rooney, and Robert L. Beschta -- Islands as tests of the green world hypothesis / Lauri Oksanen ... [et al.] -- Trophic cascades on islands / Thomas W. Schoener and David A. Spiller -- Trophic cascades, aboveground-belowground linkages, and ecosystem functioning / David A. Wardle -- Ecological and conservation implications of mesopredator release /

Justin S. Brashares ... [et al.] -- Fear-mediated food webs / Joel Berger
-- Trophic cascades in African savanna : Serengeti as a case study / A.
R.E. Sinclair ... [et al.] -- Consumer control by megafauna and fire /
William Bond -- Alternative states in ecosystems / Marten Scheffer --
Theoretical perspectives on trophic cascades : current trends and future
directions / Robert D. Holt, Ricardo M. Holdo, and F.J. Frank van Veen
-- Comparing trophic cascades across ecosystems / Jonathan B. Shurin,
Russell W. Markel, and Blake Matthews -- Conservation relevance of
ecological cascades / Michael E. Soule -- Conclusion : our trophically
degraded planet / John Terborgh and James A. Estes.

Sommario/riassunto

Trophic cascades-the top-down regulation of ecosystems by
predators-are an essential aspect of ecosystem function and well-
being. Trophic cascades are often drastically disrupted by human
interventions-for example, when wolves and cougars are removed,
allowing deer and beaver to become destructive-yet have only recently
begun to be considered in the development of conservation and
management strategies. Trophic Cascades is the first comprehensive
presentation of the science on this subject. It brings together some of
the world's leading scientists and researchers to explain the importance
of I
