

Na de foto
Overleving van teruggezette vis

Visionair nr 23, maart 2012 pag 26

Vangen, onthaken en weer terug. De vis zwemt uit zicht, maar wat gebeurt er in de uren, weken en maanden daarna? Wetenschappelijk onderzoek over het terugzetten van vis, meestal Catch & Release genoemd, laat steeds meer in detail verschillende effecten zien. Over mortaliteit, langetermijneffecten en wat de sportvisserij daarvan kan leren.



Literatuur:

Arlinghaus, R et al (2007) Understanding the complexity of catch-and-release in recreational fishing: an integrative synthesis of global knowledge from historical, ethical, social, and biological perspectives. *Reviews in Fisheries Science* 15:75-167.

Arlinghaus, R & Hallermann, J. (2007). Effects of air exposure on mortality and growth of undersized pike-perch, Sander lucioperca, at low water temperatures with implications for catch-and-release fishing. *Fisheries Management and Ecology*, 14:155-160.

Arlinghaus, R. et al (2008). Size-selectivity, capture efficiency, injury, handling time and determinants of initial hooking mortality of angled northern pike (*Esox lucius* L.): the influence of bait type and size. *North American Journal of Fisheries Management*, 28:123-134.

Arlinghaus, R., et al (2009) Physiological and behavioural consequences of catch-and-release angling on northern pike (*Esox lucius*). *Fisheries Research* 97:223-233.

Bartholomew, A & Bohnsack, J. (2005) A Review of Catch-and-Release Angling Mortality with Implications for No-take Reserves. *Reviews in Fish Biology and Fisheries*, Vol. 15 (1-2): 129-154.

Edeline, E., et al (2010) Body downsizing caused by non-consumptive social stress severely depresses population growth rate *Proc. R. Soc. B* 277: 843-851

Klefoth, T.A. et al (2008) The impact of catch-and-release on short term behaviour and habitat choice of northern pike (*Esox lucius* L.). *Hydrobiologia*, 601: 99-110.

Klefoth, T.A. et al (2011) Behavioural and fitness consequences of direct and indirect non-lethal disturbances in a catch-and-release northern pike (*Esox lucius*) fishery. *Knowledge and Management of Aquatic Ecosystems*. 403.

Quak, J. & Van Emmerik, W.A.M. (2011) Factsheet hengelmortaliteit. Sportvisserij Nederland. Conceptversie juli 2011.