

**From:** [Joe DeVivo](#)  
**To:** [Darrell Echols/CAHA/NPS@NPS](#); [Mike Murray](#)  
**Cc:** [Margaret Carfioli](#)  
**Subject:** ORV Literature  
**Date:** 07/16/2009 02:29 PM  
**Attachments:** [ellis.pdf](#)

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Darrell--

It looks like the lit review covered most of what we could find in the peer-reviewed literature from the life sciences standpoint. We did come across one additional article that discusses methods for establishing recreational use areas. I've attached that below.

Also, there seems to be a number of graduate theses/ dissertations that are not covered in the literature review that focus on the socioeconomic side of things, and I think there is a lot more material out there than the two paragraphs in the lit review suggests. In addition to the citations below, last month I met Chris Ellis (currently a social scientist with the Human Dimensions Program at NOAA in Charleston) who said he did his graduate work on ORV use in North Carolina. Unfortunately I don't have copies or abstracts of any of the theses, but I was able to track down one of Chris' papers, which I've also attached. Because there seems to be a number of projects, it might be worth adding a separate section to the summary that explicitly summarizes the findings from socioeconomic research at CAHA. Unless, of course, that has been done and lives elsewhere.

Hope this helps.

Joe.

L. Celliers, T. Moffett, N. C. James, B. Q. Mann, **A strategic assessment of recreational use areas for off-road vehicles in the coastal zone of KwaZulu-Natal, South Africa**, Ocean & Coastal Management, Volume 47, Issues 3-4, 2004, Pages 123-140, ISSN 0964-5691, DOI: 10.1016/j.ocecoaman.2004.02.001.

(<http://www.sciencedirect.com/science/article/B6VG5-4CNJ9G3-2/2/0d26ec86cf9531ea0eb34b2e57c7e5d7>)

**Abstract:**

In January 2002, the Minister of the Department of Environmental Affairs and Tourism of the South African government promulgated new regulations controlling the use of off-road vehicles in the coastal zone of South Africa. The new regulations provided for a general prohibition on the recreational use of off-road vehicles (ORVs) in the coastal zone as well as providing procedure for approving the use of vehicles in the coastal zone under specific circumstances. The regulations now specify that recreational use of ORVs can only take place in designated recreational use areas (RUAs). This paper described the process of developing a cohesive strategy for the siting of RUAs in the coastal zone of KwaZulu-Natal. This strategy was developed to avoid ad hoc application for areas that might be unsuitable (environmentally or

socially) for ORV use. Potential RUAs was identified using seven principles that disqualified areas not suitable, and subjecting the potential RUAs to a number of other considerations. The seven principles are sufficiently generic to be applied to the other three coastal provinces of South Africa and probably further afield. This strategy identified a network of ecologically and socially justifiable RUAs along the coast of KwaZulu-Natal. These areas will not be designated automatically but each area will need to be further scrutinized by an environmental impact assessment.

Brewer, L. C. 1980. Off-road vehicle conflict at Cape Hatteras National Seashore and implications for management. Thesis (M.S.)--Virginia Polytechnic Institute

Noe, F. P. 1982. Normative response and norm activation among ORV users within a seashore environment. *Leisure Sciences*. 5 (2): 127-142.

Pafford, B. V. 1979. Activity patterns of Cape Hatteras National Seashore : an analysis of off-road vehicle and pedestrian users among visitors and residents. Thesis (M.S.)--Virginia Polytechnic Institute.

Palmer, J. F. and S. P. Leatherman. 1979. Off-road vehicle usage on federally managed coastal parklands. The Environmental Institute, University of Massachusetts. Amherst, MA. (Notes: National Park Service Cooperative Research Unit."/ "Contract no. CX-1600-5-0001.)

Wellman, J. D. and G.J. Buhyoff. 1979. Off-road vehicle use and social conflict at Cape Hatteras National Seashore. Dept. of Forestry, Virginia Polytechnic Institute and State University, Blacksburg, VA. (Notes: Final report prepared for Chief Scientist, Southeast Region, National Park Service under contract CX5000071235.)

Kirsten--

It was good to meet you this week; sorry I had to bolt back to Atlanta before the closeout session on Thursday, especially since I had the contact info in my bag.

The person I was referring to is:

Chris Ellis  
Social Scientist, Human Dimensions Program  
NOAA Coastal Services Center  
2234 South Hobson AVenue  
Charleston, SC 29405

843-740-1195  
chris.ellis@noaa.gov

I found a snippet from some conference proceedings, but it refers to his dissertation on the topic of recreational uses of beaches in North Carolina.

I don't know if it's at all helpful or new, but if not, delete away!

Joe.



ellis.pdf

\*\* PLEASE NOTE NEW PHONE NUMBER BELOW \*\*

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