

Making Sense Out of Uncertainty in Geospatial Data

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Dissertation submitted to the faculty of Virginia Polytechnic and State University in partial fulfillment of the requirements for the degree of

Doctor of Philosophy
In
Geospatial and Environmental Analysis

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Keywords: GIS, uncertainty, spatial data fusion, error-band framework, GIS tool, overlays



DATE: October 6, 2009

MEMORANDUM

TO: Stephen P. Prisley
Bill Carstensen

FROM: David M. Moore

SUBJECT: **IRB Exempt Approval:** "Estimating and Attributing Uncertainty in Boundary Delineations", IRB # 09-814

I have reviewed your request to the IRB for exemption for the above referenced project. The research falls within the exempt status. Approval is granted effective as of October 6, 2009.

As an investigator of human subjects, your responsibilities include the following:

1. Report promptly proposed changes in the research protocol. The proposed changes must not be initiated without IRB review and approval, except where necessary to eliminate apparent immediate hazards to the subjects.
2. Report promptly to the IRB any injuries or other unanticipated or adverse events involving risks or harms to human research subjects or others.


cc: File



DATE: February 11, 2009

MEMORANDUM

TO: Bill Carstensen
Stephen P. Prisley

FROM: Carmen Green 

SUBJECT: **IRB Exempt Approval:** "Perception of Spatial Error Bands in Geospatial Data",
OSP #425687, IRB # 09-049

I have reviewed your request to the IRB for exemption for the above referenced project. The research falls within the exempt status. Approval is granted effective as of February 11, 2009.

As an investigator of human subjects, your responsibilities include the following:

1. Report promptly proposed changes in the research protocol. The proposed changes must not be initiated without IRB review and approval, except where necessary to eliminate apparent immediate hazards to the subjects.
2. Report promptly to the IRB any injuries or other unanticipated or adverse events involving risks or harms to human research subjects or others.

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OSP