

Manuscript Details

Manuscript ID: JFRM-0018-08

Manuscript Type: Original Manuscript

Keywords: Flood, Mapping, Risk management, Disaster recovery

Date Submitted: 23-Mar-2008

Manuscript Title: OPTIMUM LOCATION FOR FLOOD SHELTER: A GIS APPROACH

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req Recommendation

Accept

Minor Revision

Major Revision

Reject & Resubmit

Reject

Would you be willing to review a revision of this manuscript?

Yes

No

Comments

Confidential Comments to the Associate Editor

No confidential comments.

req Comments to the Author

The paper is recommended for acceptance subject to the following revision and suggestion to improve the presentation:

1. There is a need to correct the diagrams in Figure 3. The diagram for Case 2 was wrongly switched with the diagram for Case 3.
2. After the final selection of the shelter site, it will be desirable and helpful to present a final map of the "territory" of each shelter site (aside from the color marking of the point) as polygons (Thiessen polygons of

shelter sites) with the respective set of served settlements inside each polygon. Necessarily, each polygon must not exceed one kilometer in terms of perpendicular distance from the shelter site to any polygon side or boundary.

3. Can the authors indicate how the process of selection will differ computationally if instead of straight line distance, the road distance will be used as basis of comparison and selection of potential shelter sites. Likewise, how can elevation be also included in the comparison?

Files attached

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