



# US Army Corps of Engineers

Institute for Water Resources

BUILDING STRONG®

## HEC-EFM Planning Model Certification (2010)

**Status:**            **Project Manager:**

In Progress        [John Hickey](#)

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**Purpose:**            The purpose of this IWR project is to begin the certification process for HEC-EFM (Ecosystem Functions Model). The certification process will follow the protocols established in EC 1105-2-407 (2005) and a memorandum on the certification of ecosystem output models (2008).

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**Objective:**        The objective of this IWR project is to prepare the certification review package for HEC-EFM. The goal of the certification process is to ensure that planning products are theoretically sound, compliant with OMB and Corps policies, computationally accurate and based on reasonable assumptions. The certification process generally consists of the following steps: prepare review package (model, model documentation, and supporting materials), assemble a review team, conduct the review and revise the model as needed. If the review is concluded satisfactorily, the Ecosystem Planning Center of Expertise would then recommend to Corps Headquarters that the reviewed tool be certified for use in Corps planning efforts.

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**Benefits:**            Certification of HEC-EFM would allow the Corps' Planning Community to take advantage of the software's technical capabilities with minimal review costs and a level of inherent (certified) trust in the software. Certification also would provide increased visibility and applicability for HEC-EFM within the Corps' Planning Community.

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**Progress:**            Preparation of certification is underway. Initial work has focused on documenting the scientific strategies of EFM and updating user guidance (11-13-09).

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