

Overview of recent activities at USACE-RMC

HadenSmith, P.E.

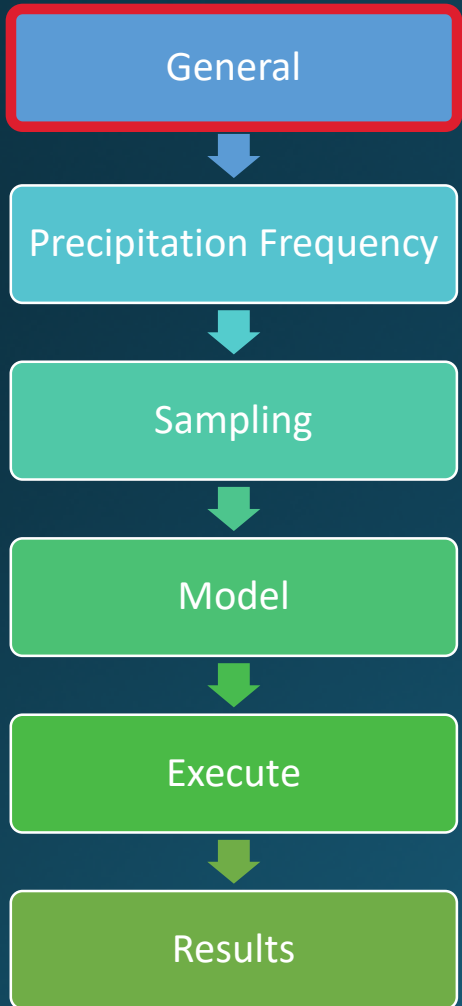
Outline

- New Software, Tools, & Methods
- Updates to Policy/Guidance
- Upcoming Training

New Software, Tools, & Methods

- Web-based Rainfall-Runoff Frequency Tool (RRFT)
- Bayesian Estimation & Fitting software (RMC-BestFit)
- Reservoir Frequency Analysis Software (RMC-RFA)
- Consequent estimation with HEC-LifeSim 2.0
- Comprehensive risk analysis software (RMC-TotalRisk)

Web-based Rainfall-Runoff Frequency Tool (RRFT)



US Army Corps of Engineers
Rainfall Runoff Frequency Tool

Home Analyses

Chad Jablonski

Analyses

Name	Description	Units System	Owner	
test	biscuit	SI	admin@rrft.example.com	
test	biscuit	SI	owner@rrft.example.com	

US Army Corps of Engineers
Rainfall Runoff Frequency Tool

Home Analyses

Chad Jablonski

Analysis: New Analysis

General | Precipitation Frequency | Sampling | Model | Execute | Results

General

Name: Poudre A

System of units: English

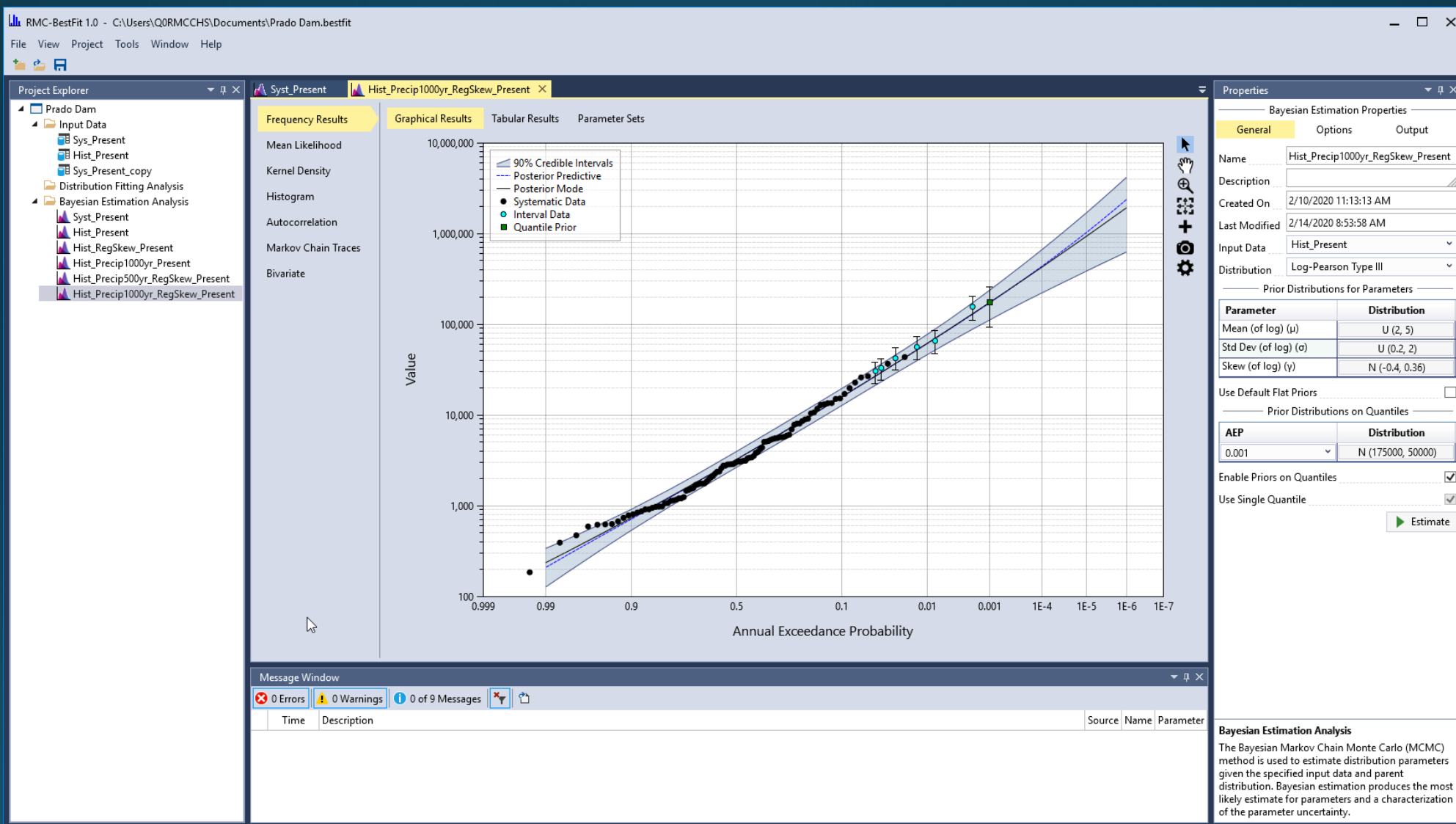
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SAVE

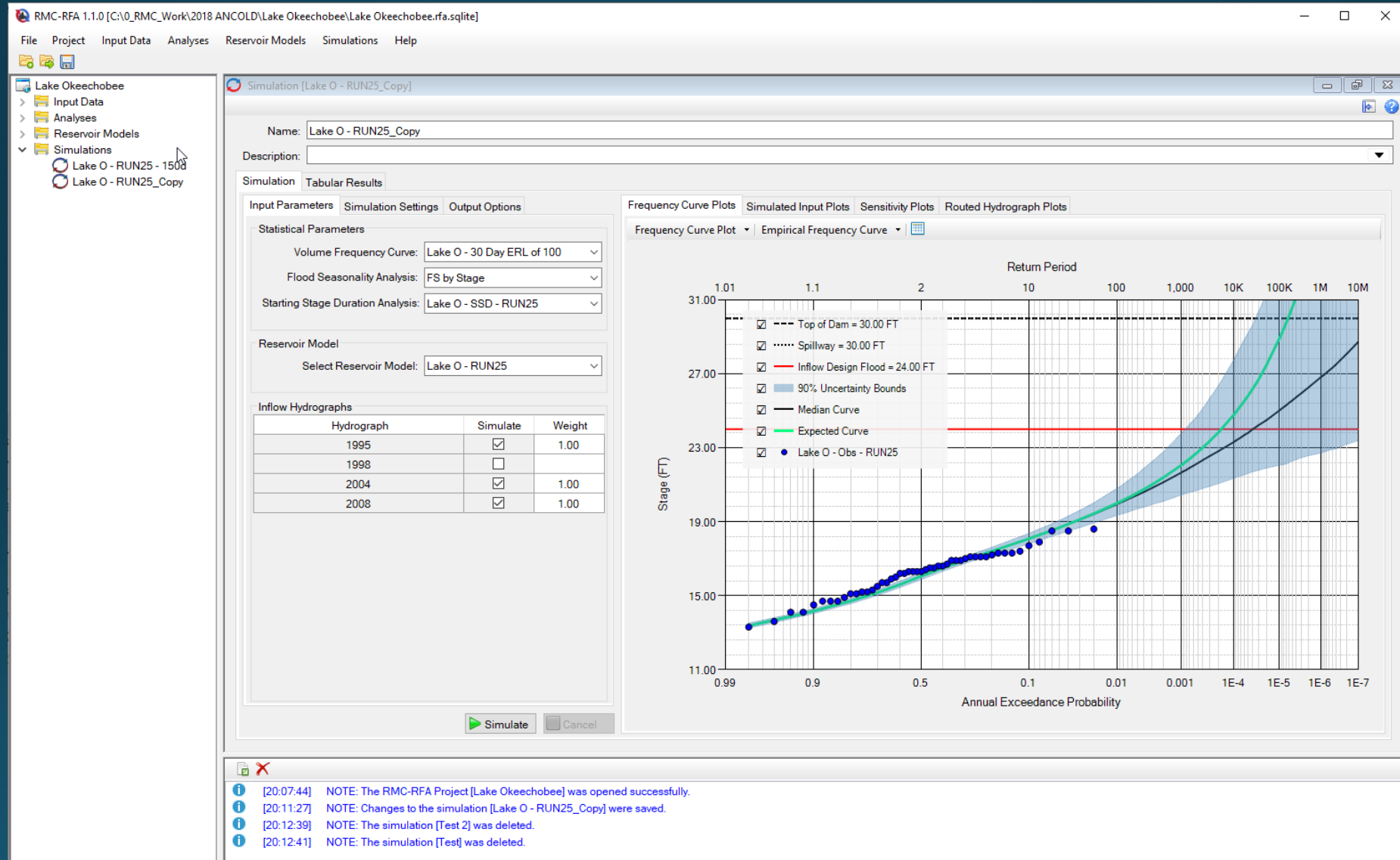
BACK TO LIST

NEXT

Bayesian Estimation & Fitting software (RMC-BestFit)

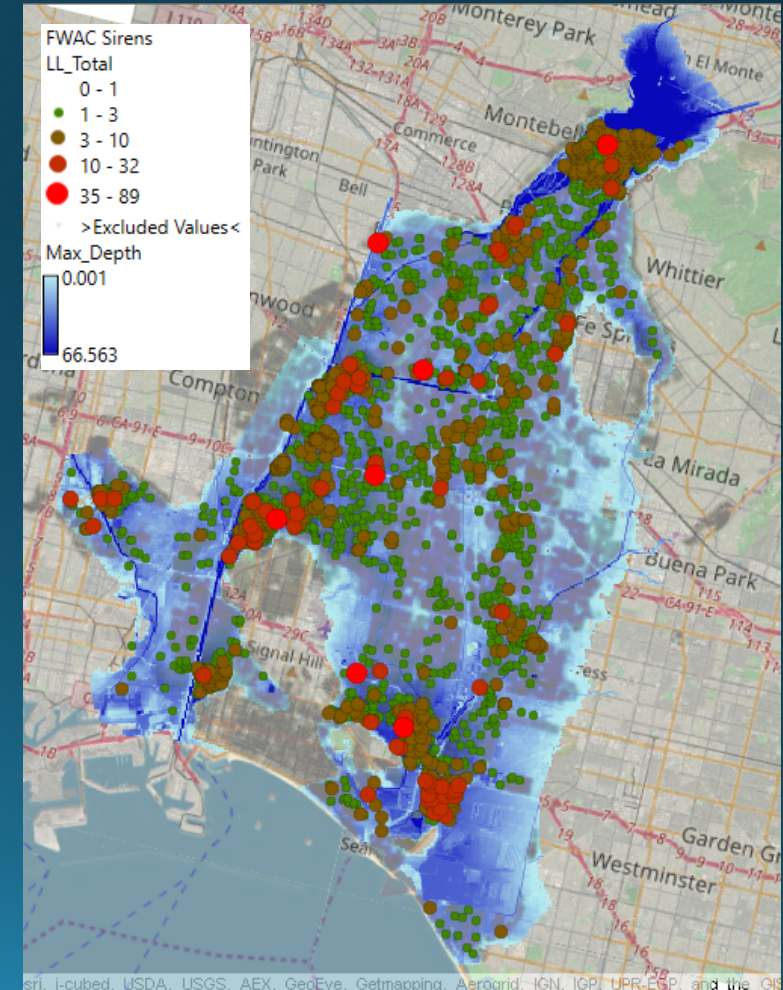
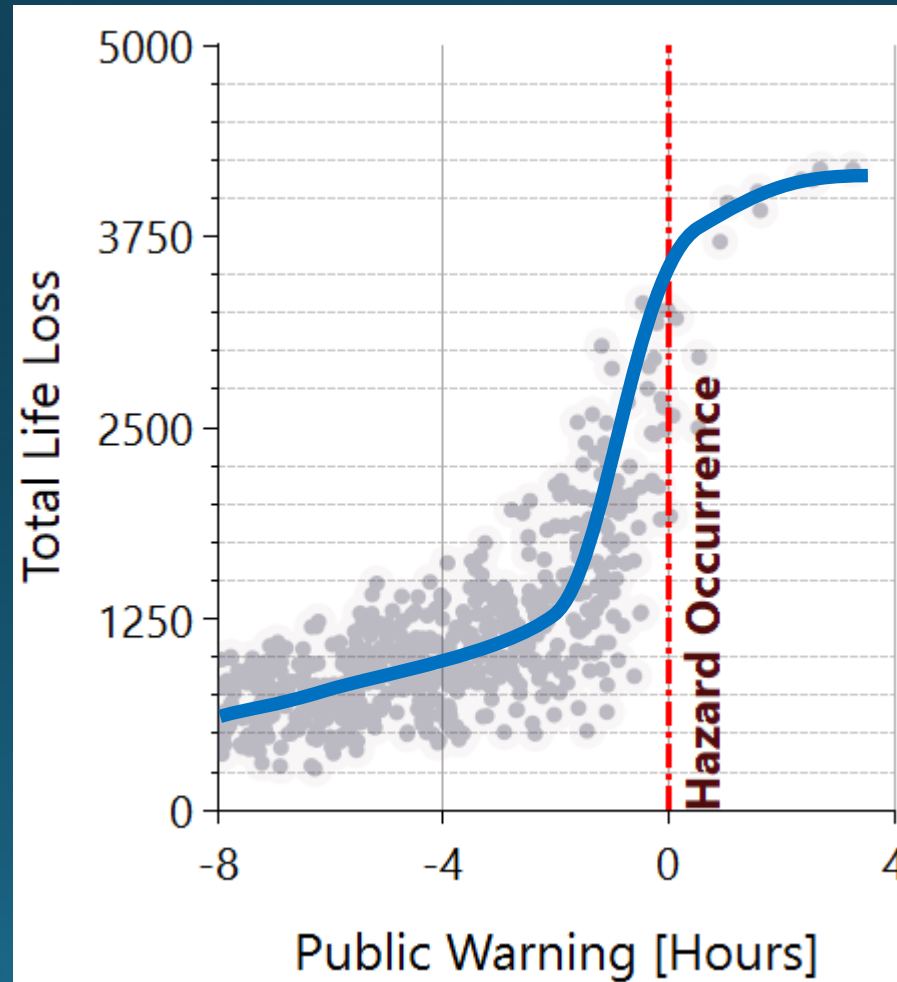


Reservoir Frequency Analysis Software (RMC-RFA)

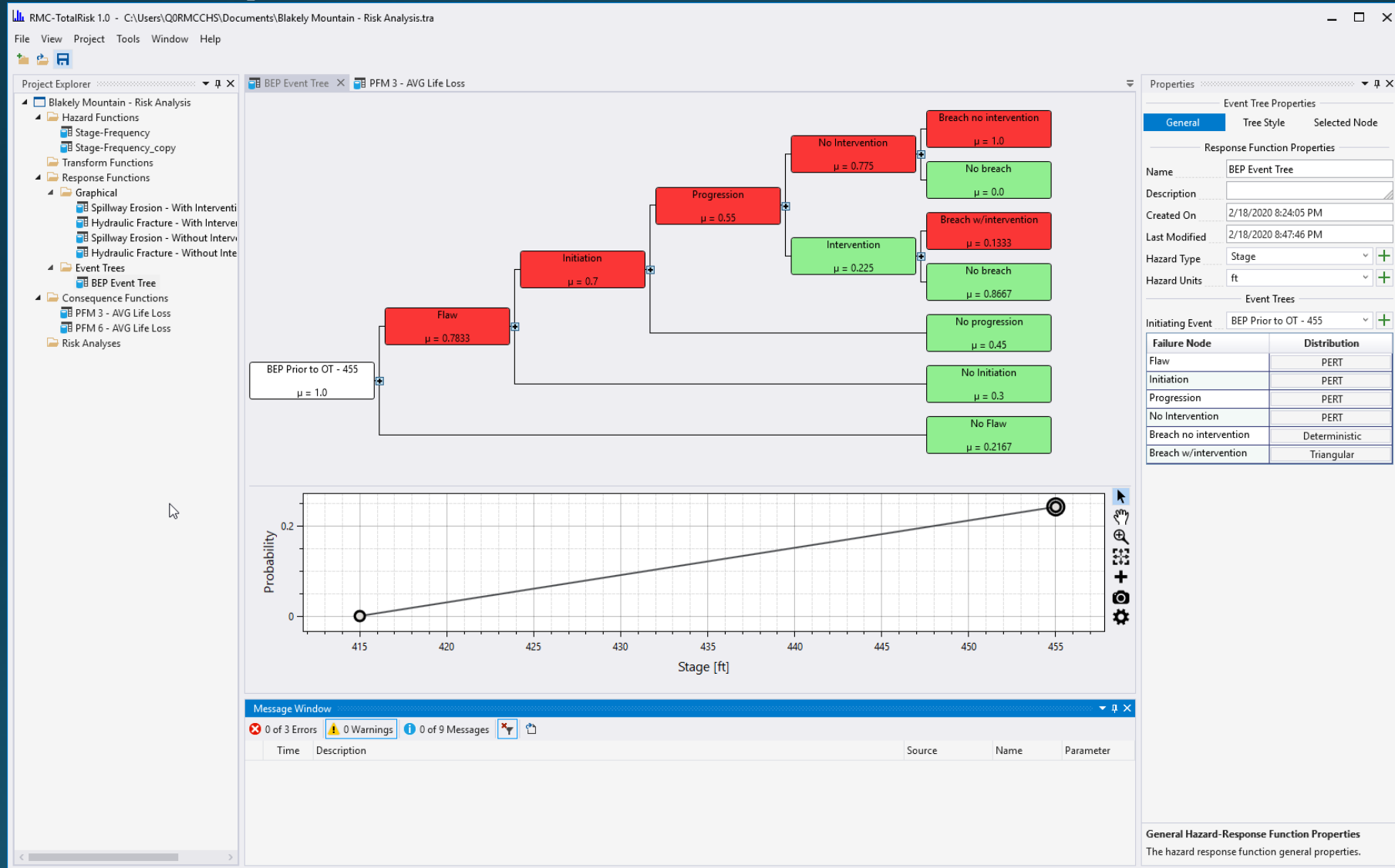


HEC-LifeSim 2.0

- Software to estimate direct consequences from a hazard.

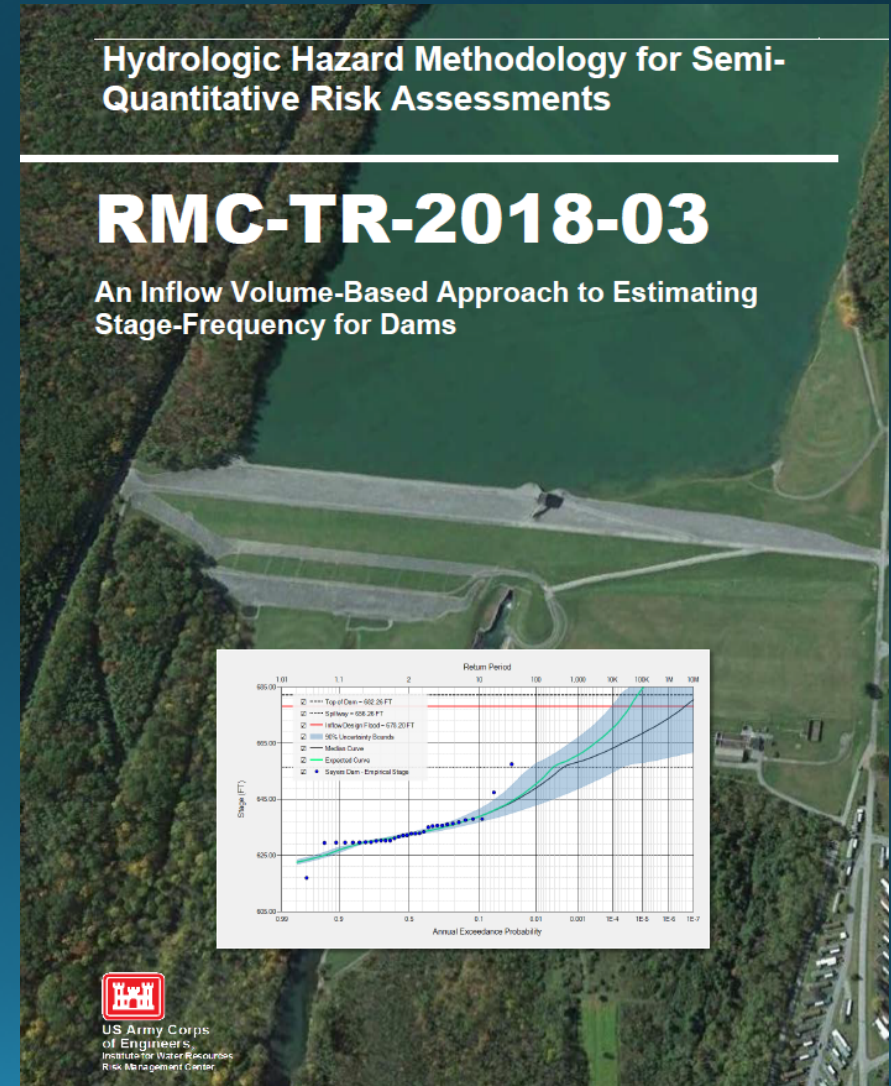


Risk analysis software (RMC-TotalRisk)



Updates to Policy/Guidance

- Revision to ER 1110-8-2(FR) Inflow Design Floods for Dams and Reservoirs
- Methodology document for performing regional precipitation frequency analysis with examples (extrapolation beyond NOAA 14 and regional studies)
- Updates to our SQRA methodology



Upcoming Training

- RMC-RFA short course at USSD - March 2020
- Seminal Papers In Extreme Flood Hydrology (12 papers)
- Paleoflood assessment short course at Harpers Ferry in August 2020.
- RMC-RFA online videos
- Bulletin 17C online videos

<https://www.iwrlibrary.us/#/series/RMC-RFA%20Training>