BYU | CIVIL & ENVIRONMENTAL ENGINEERING

IRA A. FULTON COLLEGE

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Flood Early Warning

Project Status Report: CEEn-2018CPST-DR-003



Report Date: 11/19/18

 Summary of technical/non-technical challenges encountered Continue to find GFS precipitation forecast data that is high resolution and for a longer time than 1-6 hours. The GFS data is extremely difficult to sort through. Find GFS runoff forecast. This forecast will be analyzed along with the precipitation forecast. 	 2) Team approaches & resolutions to overcome challenges Continue to search through the GFS database, recording what information we find out so we do not have to replicate our research. Contact those involved with producing the GFS data to learn more about how it is prepared and named.
 Status of challenge resolutions & potential project impact Still need to find the best forecast at .25-degree accuracy. This applies for precipitation and runoff. 	 4) Project status & summary We are continuing to focus our efforts on finding high resolution precipitation and runoff forecasts. In a GIS model, we will route these forecast into specific catchment basins. This should be usable with any polygon shapefile. We could use catchment basins as delineated by the Flash Flood Guidance System or the official INDRHI watershed areas of the country.

Project Title: