



How to	FloodOps– Generate unit hydrograph
Description	How to generate a unit Hydrograph based on the Gamma function
Comments	“quotes” refer to the screenshots, which may deviate from the application
version	2018-02

A Unit Hydrograph with an hourly timestep can be generated by use of the so-called gamma function. This series is currently not exported or used but can inform the forecasting process.

1. Select Workflows > Flood Operations > Gamma function forecast
2. In the Modifier display, modify the parameters as required:
 - a. Peak Q: Peak flow [ML/day], is added to latest observation
 - b. Peak timing: Timing peak flow [days from now]
 - c. AREA: Catchment area [acres].
3. Apply and (Re-)run the task, the unit hydrographs appear in the Plot Overview.

location	Peak Q	Peak timing	AREA
401216A - Jokers Ck	5000.0	7.0	100.0
401203A - Hinnomunjie	5000.0	7.0	100.0
401217A - Gibbo Park	5000.0	7.0	100.0
401210A - Granite Flat	5000.0	7.0	100.0
401204A - Tallandoon	5000.0	7.0	100.0
401014 - Pinegrove	5000.0	7.0	100.0
401208A - Berringama	5000.0	7.0	100.0
401549 - Bringenbrong	5000.0	7.0	100.0
401220B - McCallums	5000.0	7.0	100.0

