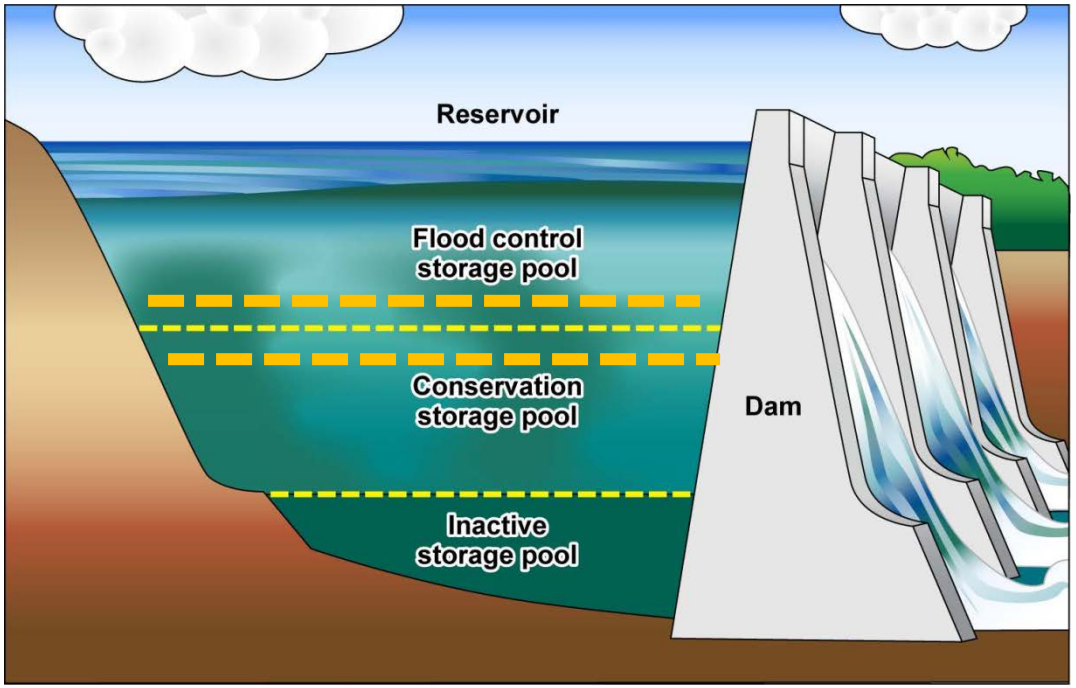
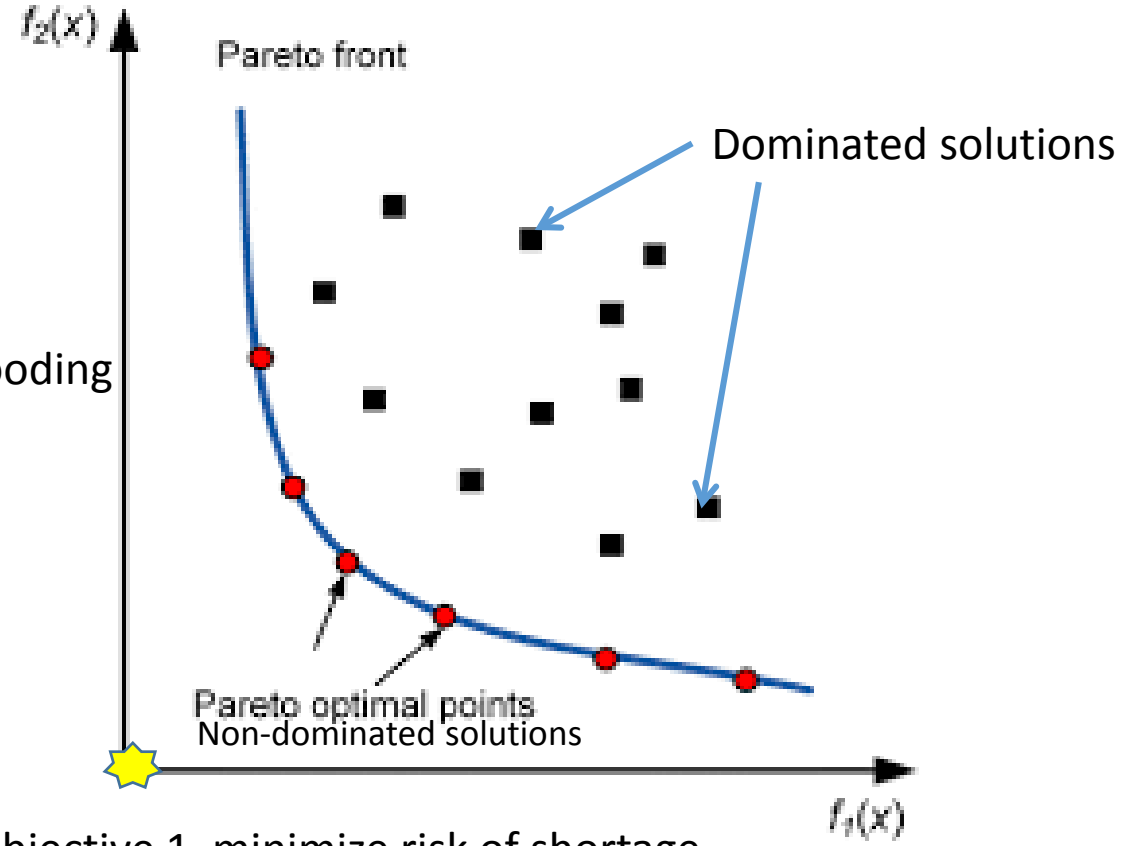
Multi-objective optimization



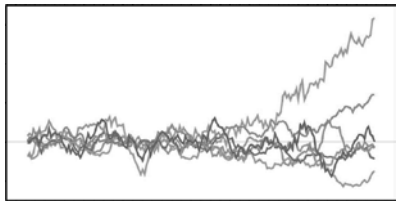
Source: GAO. | GAO-16-685



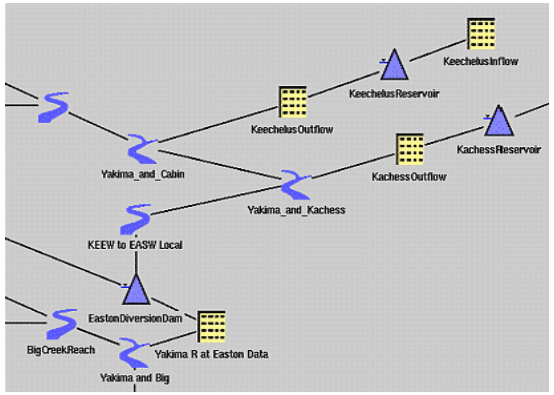
Objective 2
minimize risk of flooding

Objective 1 minimize risk of shortage

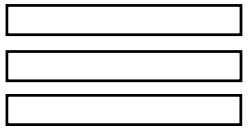
Hydrology and Demand Scenarios



Water Supply Model



Model Outputs



Decision Levers

management and infrastructure options

x_1 x_2 x_3

Borg-RW Version X

Objectives

measurements of system performance

f_1 f_2 f_3

Constraints

limits of acceptable performance

$f_1 < n_1$, $f_2 < n_2$, $f_3 > n_3$

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