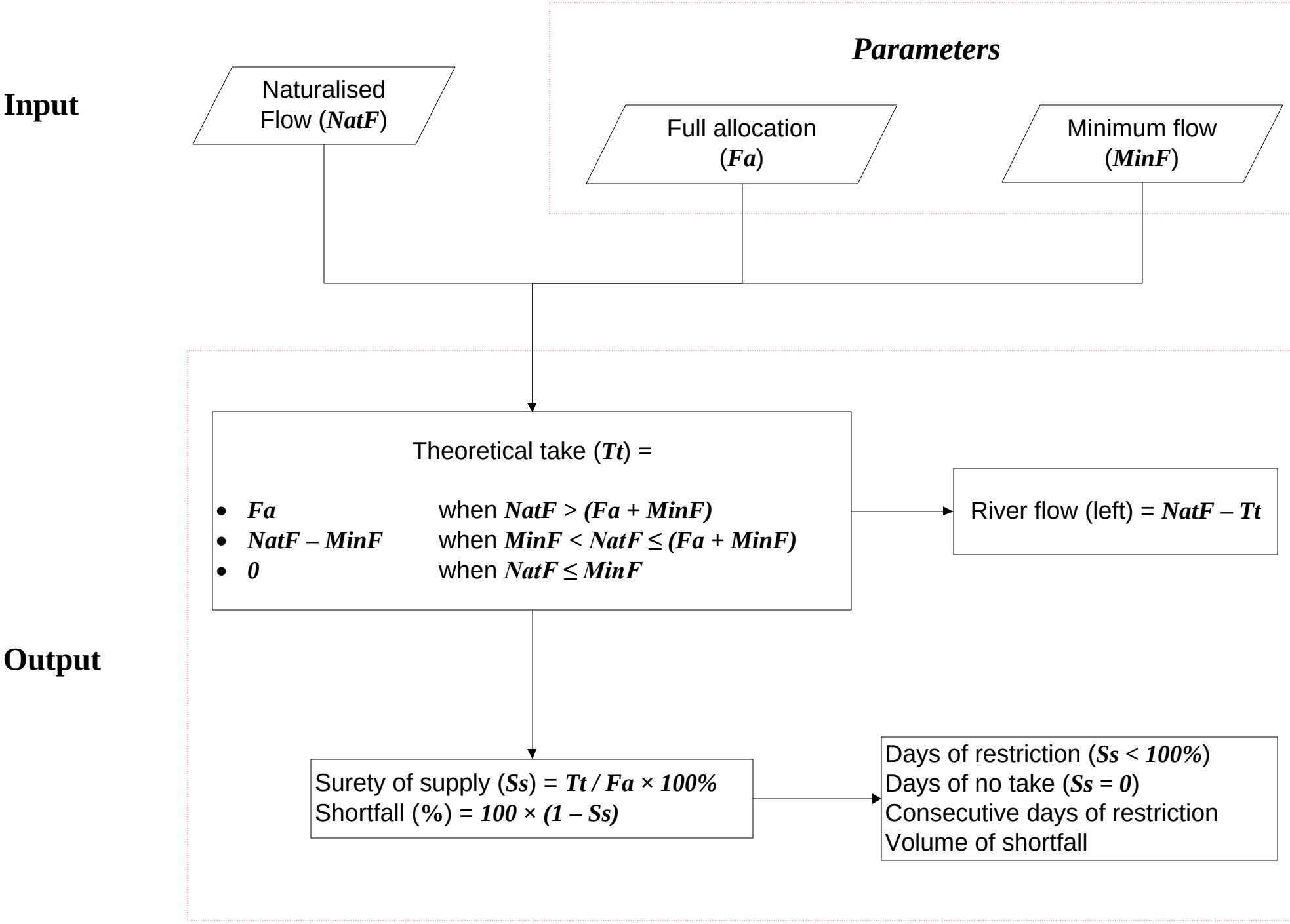
Input
Parameters
Naturalised Flow (NatF)
Full allocation (Fa)
Minimum flow (MinF)
Theoretical take (Tt) =
Fa when NatF > (Fa + MinF)
NatF – MinF when MinF < NatF ≤ (Fa + MinF)
0 when NatF ≤ MinF
River flow (left) = NatF – Tt
Output
Surety of supply (Ss) = Tt / Fa × 100%
Shortfall (%) = 100 × (1 – Ss)
Days of restriction (Ss < 100%)
Days of no take (Ss = 0)
Consecutive days of restriction
Volume of shortfall