

## **602 Pond Guidance**

Updated 11/2022  
For Internal Distribution

### **Means of Diversion (MOD) & Flow Rate**

1. If a pond is the primary MOD, that gets coded in database as a PIT. There is no flow rate.
2. If a pond is fed by a pipeline from a developed spring or well, the primary MOD (developed spring or well) gets coded in the database as the MOD. There has to be a flow rate (no greater than 35 GPM).

### **Reservoir Record in Database**

1. All ponds get a reservoir record (surface area, depth, capacity, legal land description) in database, even if the pond is fed by an external GW source.
  - a. Onstream reservoir record if pond is primary MOD
  - b. Offstream reservoir record if pond is secondary MOD (fed by an external controlled GW source with a flow rate)

### **Volume Calculations**

1. All ponds need surface area and depth info provided by applicant. From that info, we calculate capacity.
  - a. Capacity of pond/pit = surface area (ac) \* depth (ft) \* 0.5
2. If primary MOD is pond/pit, evaporation must be included in the total volume and evenly distributed amongst all purposes.
  - a. The beneficial uses can include in-pond uses (ex: fishery) and diversionary uses (ex: stock, irrigation, lawn & garden).
  - b. If there are **only diversionary uses** from the pond, the total volume of the GW Certificate/602 will be the **diversionary volumes plus evaporation** (and evap gets evenly distributed across all purposes); capacity of the pond will not be included in the total. However, **capacity + evap + diversionary volumes still cannot be more than 10 AF for a 602 to be a valid application.**
  - c. If there are **in-pond uses** (ex: fishery), **capacity + evaporation** (or a portion of evap) will determine maximum volume of in-pond use.
  - d. If there are **diversionary uses and in-pond uses**, capacity + evap + diversionary volumes cannot exceed 10 AF.
3. If a well or developed spring is the primary MOD feeding the pond, evaporation does not need to be included in the total volume, unless provided by applicant. In this case, capacity of pond plus diversionary use(s) still cannot exceed 10 AF.
4. Be sure to account for any combined appropriations, when determining if beneficial use is within the 10 AF maximum.
  - a. A pond can be a combined appropriation with a developed spring.
  - b. A pond can be a combined appropriation with a well, as long as the well log goes not identify an obvious confining layer (ex: clay).