

Coastal Georgia Road Map to Address Water Supply Needs and Regional Goals

2050
TOTAL REGIONAL WATER
(GROUND AND SURFACE)
SUPPLY NEEDED

- Utilize SW and GW within the available resource capacity
- For red and yellow zones total 2010 and 2050 needs 99 MGD; 29 MGD needed if no additional withdrawals in red and yellow zones; 21 MGD if no addition withdrawals in red and half of future yellow zone need can come for yellow zone GW withdrawal – MPs include a range of options including - replace GW with SW, replace GW with GW outside red and yellow, engineered barrier(s) , ASR, optimize all aquifers, reuse
- Water Conservation
- Data collection and research to confirm frequency, duration, severity, and drivers of surface water gaps (forecast methodology/assumptions and resource assessment modeling)
- Evaluate and ensure that future SW permit conditions do not contribute to 7Q10 low-flow concerns
- Encourage sustainable GW use as preferred supply in regions with SW 7Q10 low-flow concerns
- Identify incentives and a process to sustainably replace a portion of existing SW use with GW use to address 7Q10 concerns
- Evaluate potential to use existing storage to address 7Q10 low-flow conditions
- Education to reduce surficial ground use impacts to 7Q10 concerns

SHORT-TERM (1-10 YRS)

- Implement ASR if deemed feasible
- Consider feasibility/implement management practices to improve infiltration, manage wetlands, and aquifer storage to address 7Q10 low-flow concerns
- Evaluate incentive based program to manage/increase/restore wastewater and stormwater returns
- Identify potential/feasibility of multi-purpose reservoir

Monitor progress toward addressing resource gaps and regional needs/goals. If short-term measures do not address gaps/needs, implement additional management practices.

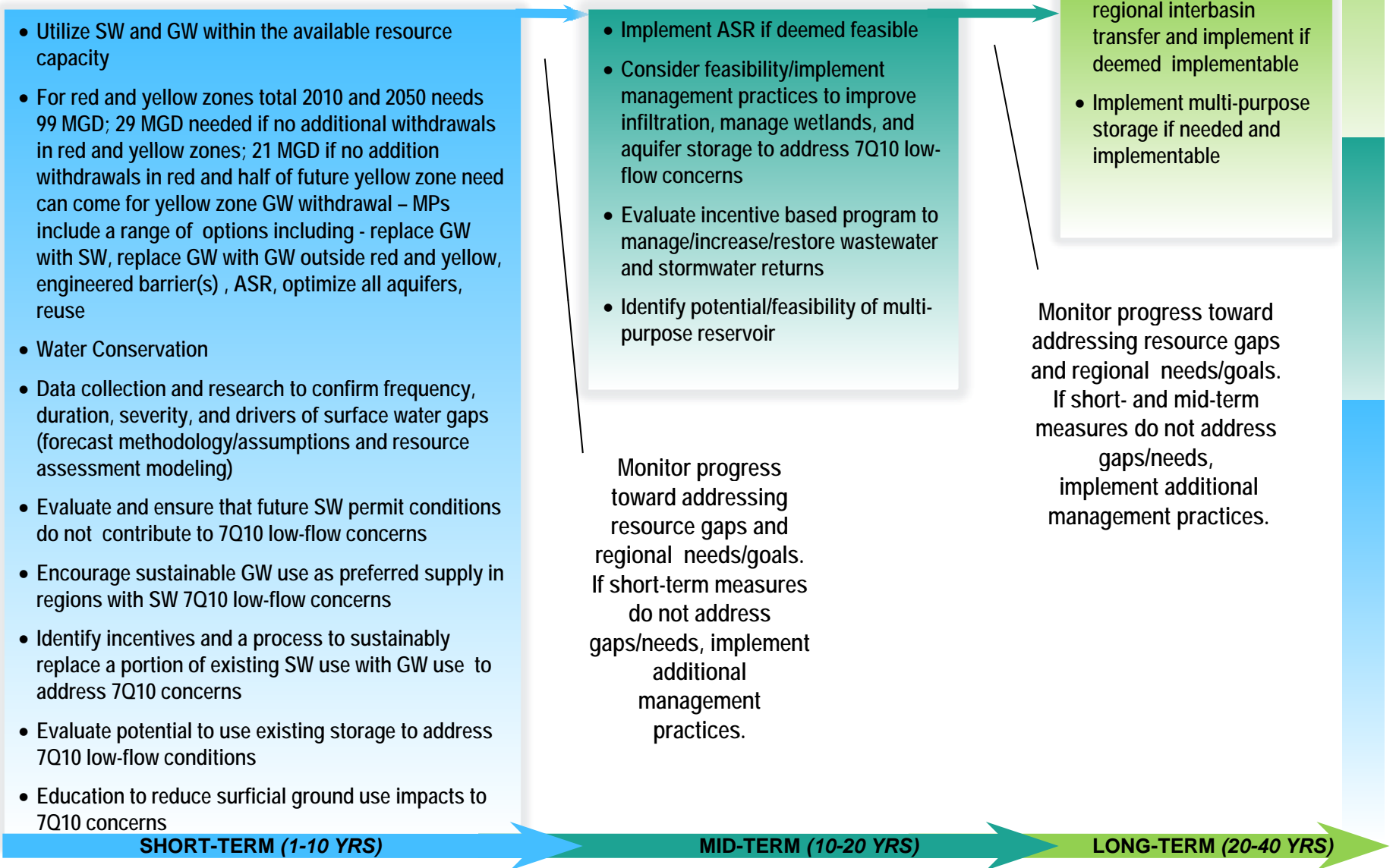
MID-TERM (10-20 YRS)

- Identify feasibility of regional interbasin transfer and implement if deemed implementable
- Implement multi-purpose storage if needed and implementable

Monitor progress toward addressing resource gaps and regional needs/goals. If short- and mid-term measures do not address gaps/needs, implement additional management practices.

LONG-TERM (20-40 YRS)

WATER RESOURCE PLANNING PERIOD (2010 – 2050)



Coastal Georgia Road Map to Address Water Quality Needs and Regional Goals

