Utah Code 73-5-15 4(a)(i) states:

“...the withdrawal of water from a groundwater basin shall be limited to the basin’s safe yield”
SUMMARY OF FINDINGS

USGS SIR 2019-5062

- Recharge Estimate: 9,550 to 30,000 acre-feet
- Discharge Estimate: 14,000 to 16,000 acre-feet

DIVISION OF WATER RIGHTS ANALYSIS

- VFA & GCGA Aquifers Estimate: 4,500 to 7,800+ acre-feet
  (+ Private Well & Spring Use)

- Groundwater Available for Future Use:
  Valley Aquifers Estimate: 1,300 to 3,500 acre-feet
SUMMARY OF FINDINGS

- **USGS JOH PAPER 2020**
  - Valley Fill Aquifer: 2,600 acre-feet (valley)
  - Shallow GCGA: 7,400 acre-feet (mountain & valley)
  - Deep GCGA: 3,600 acre-feet (valley)
  - Total: 13,600 acre-feet
MUNICIPAL WELLS & SPRINGS

• 2019 Reported Withdrawals (culinary & irrigation)
  • Moab City: 1,768 acre-feet
  • GWSSA: 1,090 acre-feet
  • SJSVSSD: 0 acre-feet

Total: 2,858 acre-feet
ADDITIONAL RESEARCH

• **Lower Valley** *(Wetlands)*
  • Define Influence of Brine Layer & Springs along Hwy 191

• **Mid Valley** *(Golf Course Area)*
  • Define Influence of Mixing between Aquifers

• **Upper Valley** *(Kens Lake & Pack Creek Area)*
  • Define Influence of Kens Lake & Pack Creek
INTERIM POLICY CONSIDERATIONS

• Additional Restrictions of New Appropriations

• Close Valley to New Appropriations

• Close Valley to Change Applications seeking to move additional water rights into the valley

• Development of Groundwater Water Bank
NEXT STEPS

• Complete General Water Rights Adjudication: Fall 2021

• Promote Discussion & Study of Safe Yield Estimate for Valley Aquifers – **May 11, 2021; 3:30 – 5:30 pm**

• Promote Discussion & Study of the Need for a Groundwater Management Plan

• Work on Improvements to Groundwater Monitoring System

• Additional Research Specific to Certain Areas