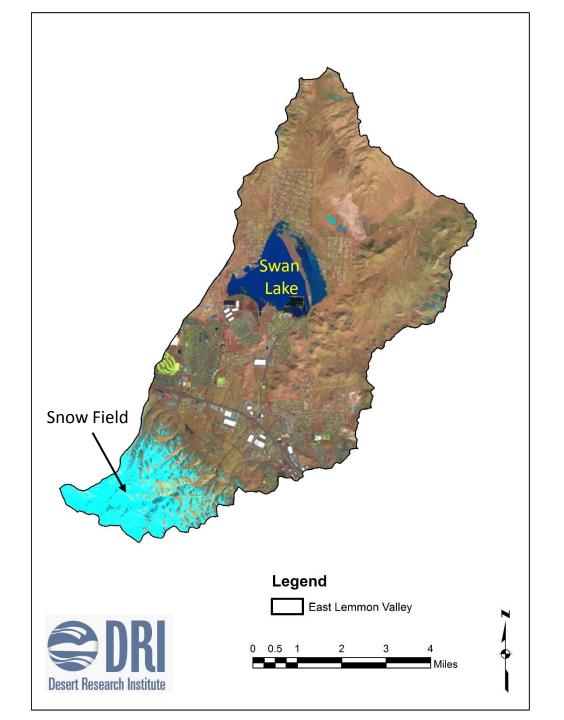
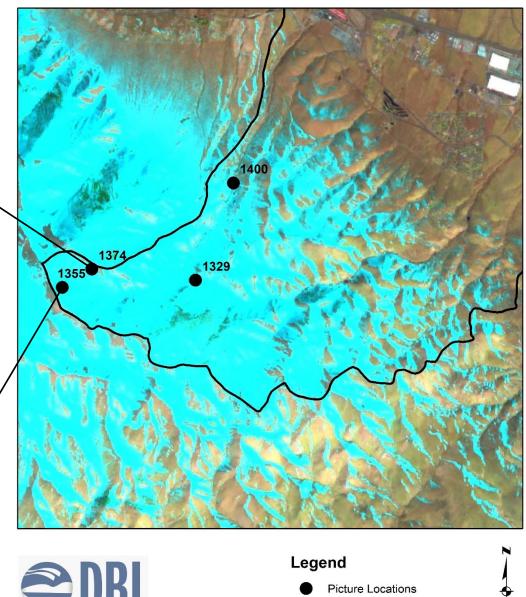


East Lemmon Valley

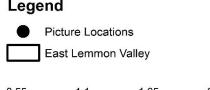






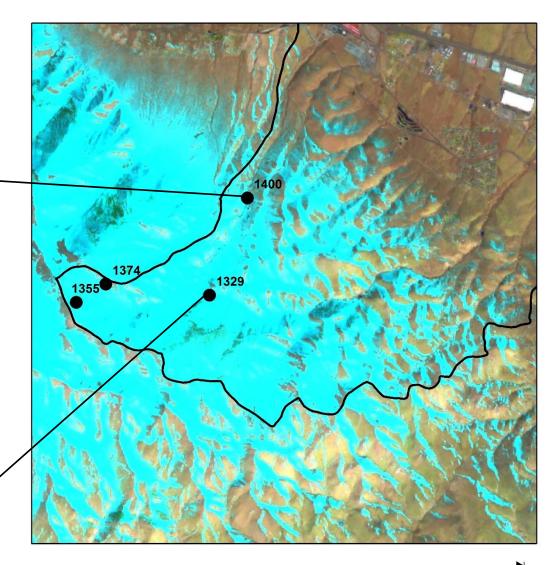




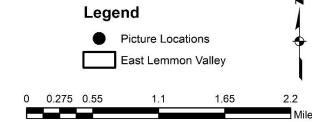




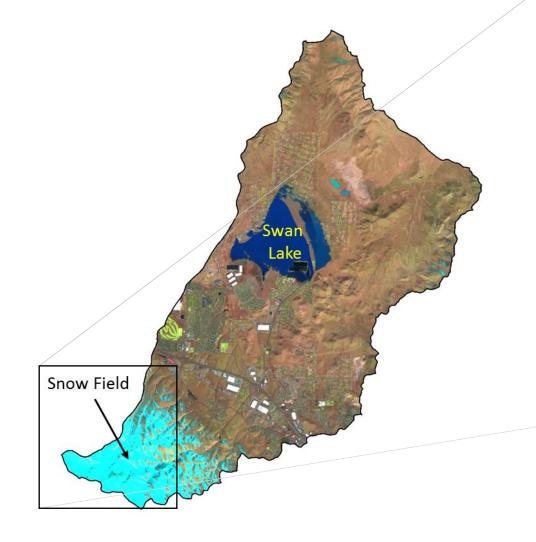


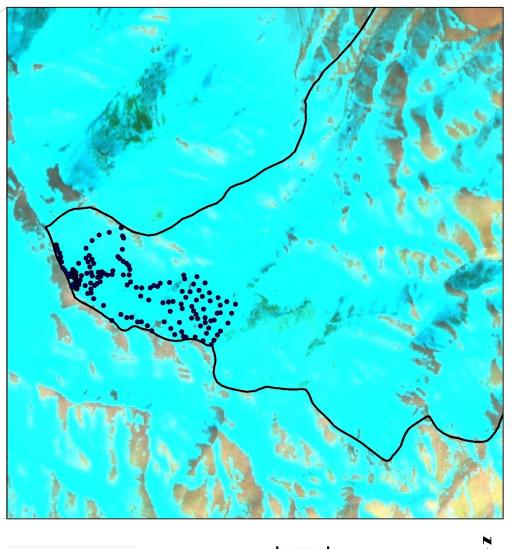




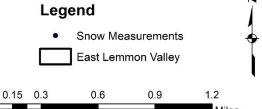


Snow Measurements









Snow Volume Estimates

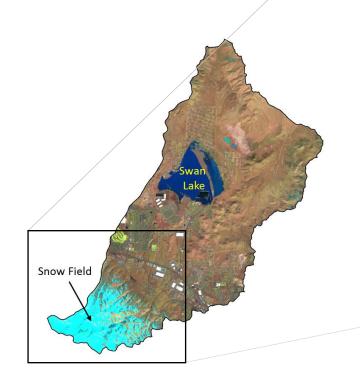
- Estimate #1 SNODAS
 - Coarse grid and no nearby SNOTEL station
 - Biased low based on field measurements
- Estimate #2 <u>SWE Gradient Downslope</u>
 - Requires assumptions of SWE downslope

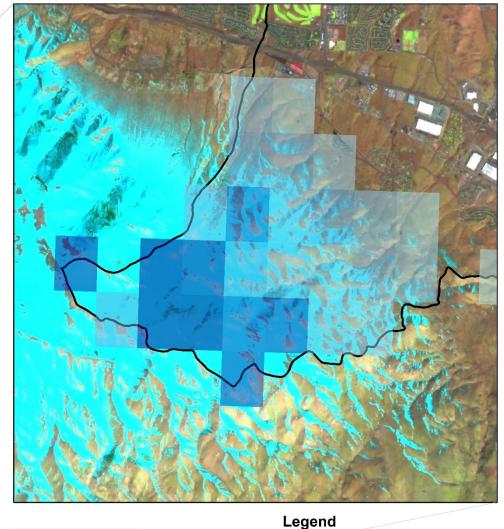


- Estimate #3 Product of Average SWE and Snow Area
 - Does not account for SWE gradient downslope

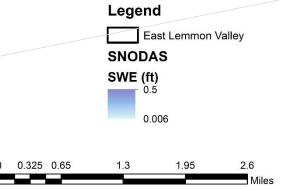
Estimate #1 SNODAS

Total Snow Water Volume = 700 acre-feet



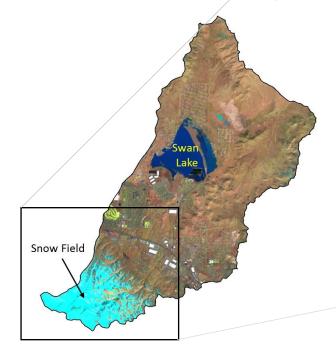


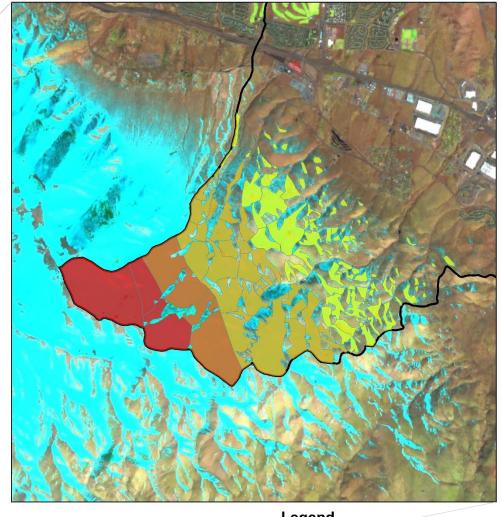




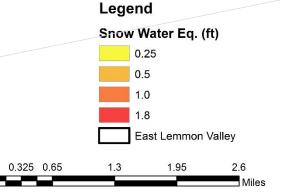
Estimate #2 SWE Gradient Downslope

Area = 2,100 acres Snow Water Equivalent – varies by zone Total Snow Water Volume = 1,500 acre-feet



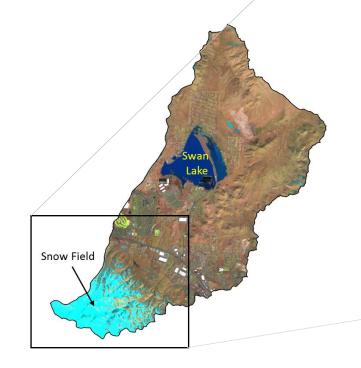


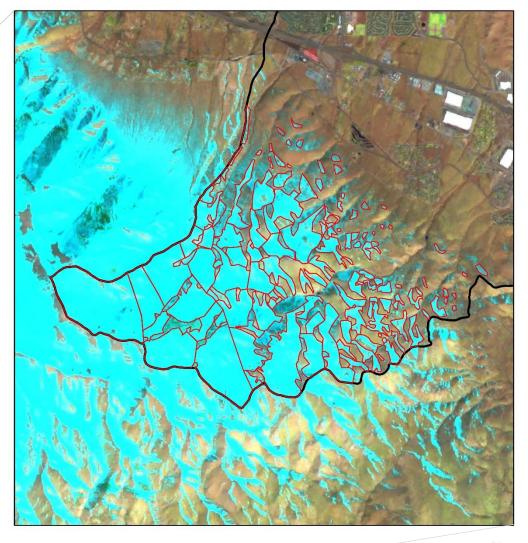




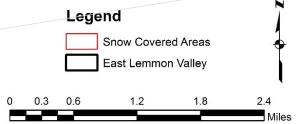
Estimate #3 Product of Average SWE and Snow Area

Area = 2,100 acres Average Snow Water Content = 1.8 feet Total Snow Water Volume = 3,800 acre-feet









East Lemmon Valley Snow Volume Summary

	# Method	Volume
		(acre-feet)
	1 SNODAS	700
>	2 SWE Gradient Downslope	1,500
	3 Average SWE * Snow Area	3,800

Best Estimate