



## Burns Area Quaternary-Late Tertiary Sediment Aquifers



These sand, clay and gravel units have 28% of ideal conditions for artificial recharge. This indicates they are not likely to provide underground storage. The rating table is included below, and interested parties may insert site-specific data to produce results that reflect localized aquifer conditions.

Positive characteristics for artificial recharge:

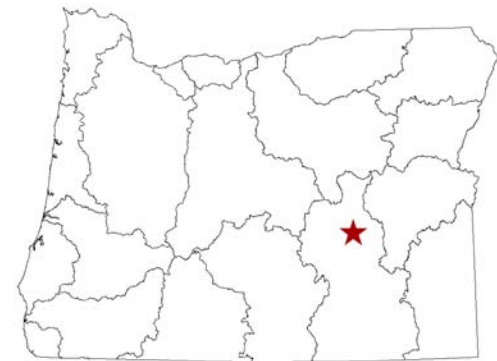
- Hydraulic conductivity will allow significant infiltration rates, although clay layers may impede flow.

Negatives:

- Depth to static water levels is often less than 10 feet, indicating limited storage capacity.

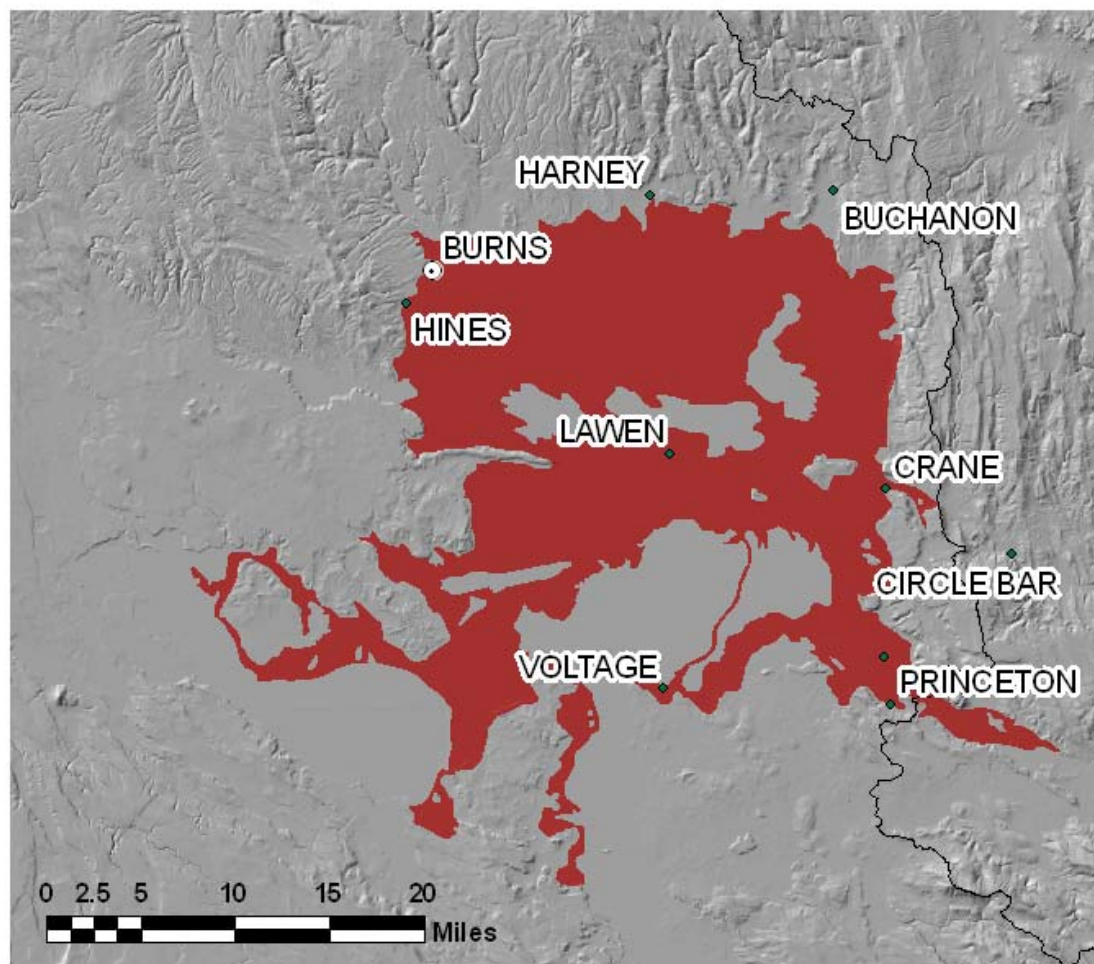
Surface water availability will strongly affect underground storage potential. This requires site-specific knowledge of water rights quantity and timing.

Sources:  
Well logs

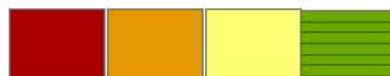




## Extent of Burns Area Quaternary-Late Tertiary Sediment Aquifers



Less Storage



More Storage

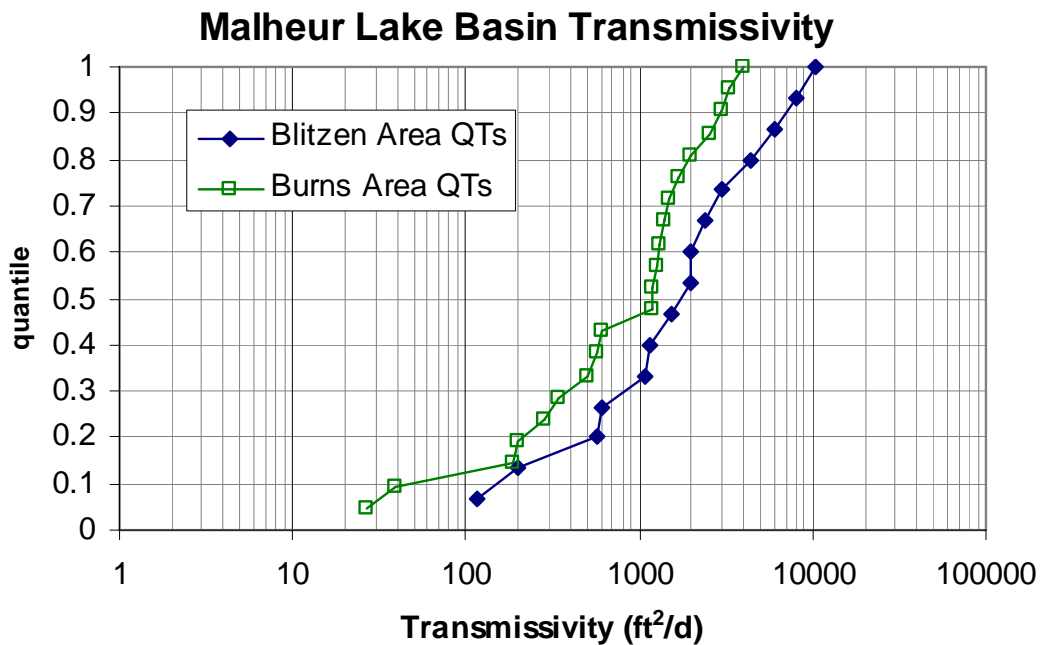
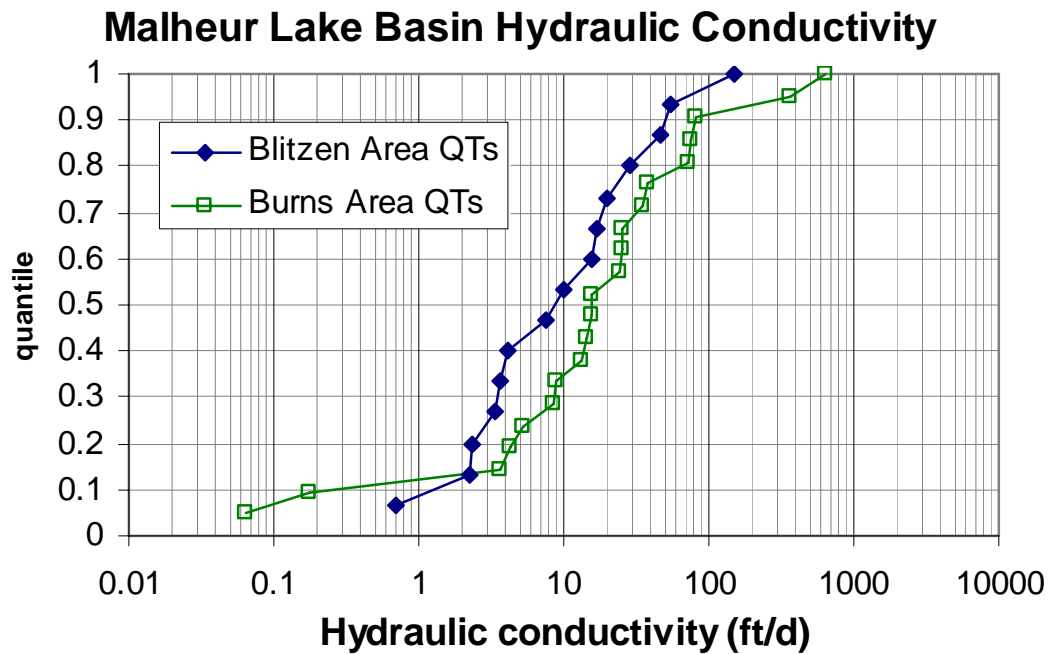
This product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

### Unconsolidated Unit: Burns Area Quaternary-Late Tertiary Sediment Aquifers

Physical Parameter	Range of Reported Values	Value for Calculation	Find the “value range” where the “value for calculation” falls, and select the corresponding rating										Selected Rating	Data Quality
			Value Range	Rating	Value Range	Rating	Value Range	Rating	Value Range	Rating	Value Range	Rating		
Depth to Formation (ft)	4-80	37	0-4	20	5-9	15	10-24	10	25-49	3	>50	1	3	3
Saturated Thickness (ft)	2-425	114	0-19	1	20-39	2	40-79	4	80-159	8	>160	10	8	3
Head Freeboard (ft)	6-30	12	0-4	1	5-9	2	10-19	4	20-29	8	>30	50	4	3
Storage Coefficient	0.1-0.2	0.15	0-0.09	1	0.1-0.14	5	0.15-0.19	10	0.2-0.24	25	>0.25	50	10	1
Hydraulic Conductivity (ft/d)	0.06-653	100	0-0.9	1	1-9	5	10-99	10	100-999	25	>1000	50	25	3
													50	13

Sum of Selected Ratings/Perfect Rating = 50/180 = 28%

**Data Quality:** 1=based on general values for this aquifer lithology  
 2=based on 8 or less well logs  
 3=based on more than 8 well logs  
 4=based on published information and/or data specific to this aquifer



Abbreviations: QTs = Quaternary-Late Tertiary Sediment Aquifers