

Prepared in cooperation with the Bureau of Land Management

This report is based on work by the U.S. Geological Survey, in collaboration with the Desert Research Institute, and the State of Utah

A Report to Congress

Water Resources of the Basin and Range Carbonate-Rock Aquifer System, White Pine County, Nevada, and Adjacent Areas in Nevada and Utah—Draft Report

Open-File Report 2007–1156

Appendix A. Component estimates of recharge, discharge, water use, and aquifer storage--Continued.

[Ground-water storage data table]

Hydrographic area	Saturated					Drainable		Total storage (acre-feet)
	Playa acreage (acres)	basin-fill acreage (acres)	basin-fill acreage (acres)	Unconfined storage ¹ (acre-feet)	Confined storage ² (acre-ft)	Unconfined storage ¹ (acre-feet)		
Butte Valley	47,753	191,816	144,062	2,160,937	1,918	2,162,855		
Cave Valley	20,448	74,132	53,684	805,255	741	805,996		
Jakes Valley	0	64,865	64,865	972,977	649	973,626		
Lake Valley	53,189	139,306	86,116	1,291,743	1,393	1,293,136		
Little Smoky Valley	1,668	125,406	123,738	1,856,070	1,254	1,857,324		
Long Valley	38,240	115,831	77,591	1,163,866	1,158	1,165,025		
Newark Valley	25,637	178,225	152,588	2,288,814	1,782	2,290,596		
Snake Valley	256,372	852,699	596,327	8,944,906	8,527	8,953,433		
Spring Valley	115,028	367,569	252,542	3,788,125	3,676	3,791,801		
Steptoe Valley	39,660	435,523	395,863	5,937,942	4,355	5,942,298		
Tippett Valley	18,965	73,452	54,487	817,301	735	818,036		
White River Valley	0	374,921	374,921	5,623,810	3,749	5,627,559		
Total	616,960	2,993,743		35,651,747	29,937	35,681,684		

1/ Unconfined storage computed as product of the drainable basin-fill acreage, a specific yield of 0.15, and a regionalized water-level decline of 100 feet.

2/ Confined storage computed as product of basin-fill acreage, a storage coefficient of 0.0001, and a regionalized hydraulic-head decline of 100 feet.