

Expert Witness Slide Presentation for the Long Now Foundation

Cliff Landers, CPSS

SNWA Hearing: Spring, Cave, Dry
Lake, and Delamar Valleys
November 17, 2011

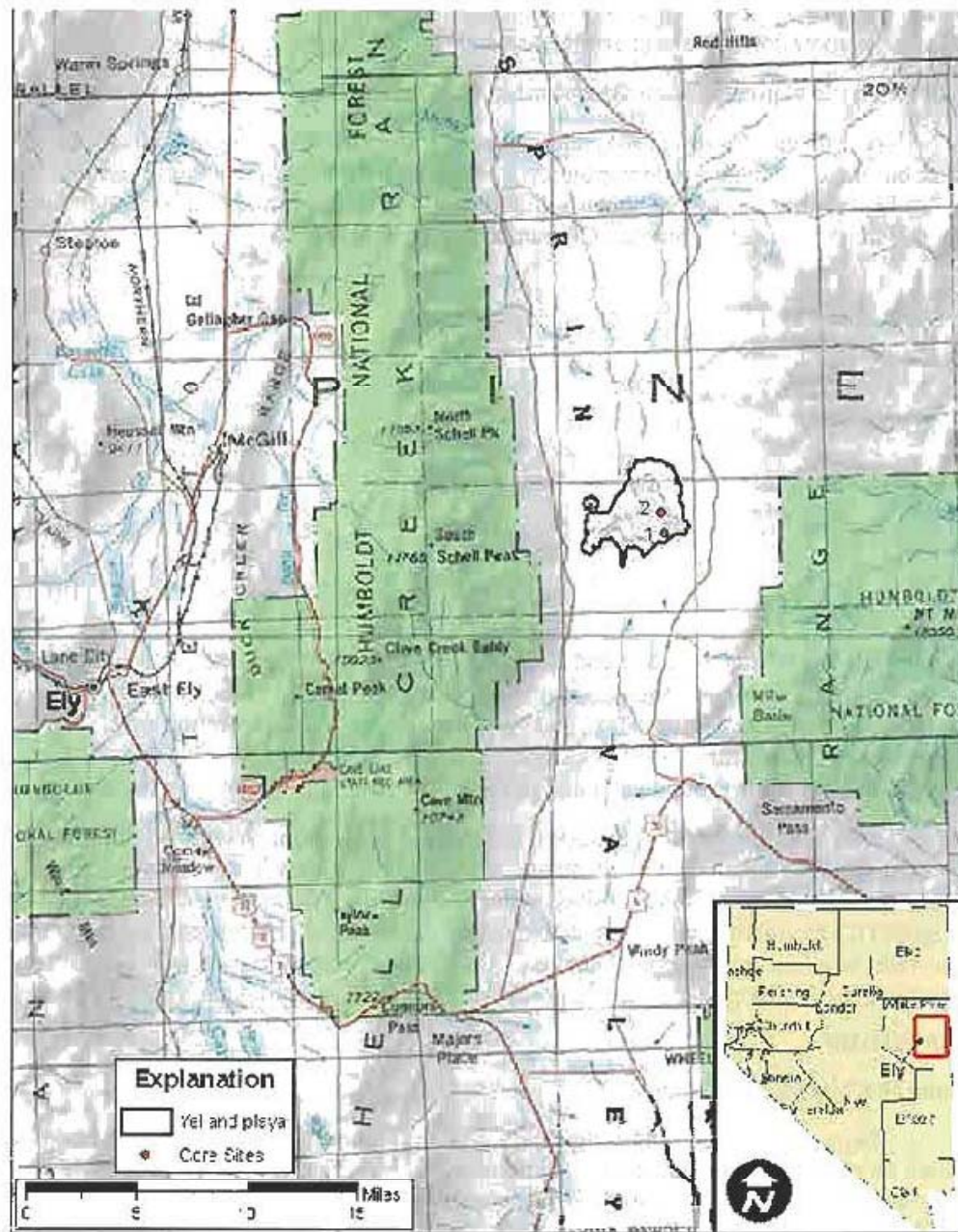


Figure 1. Map showing location of Yelland Playa (solid black line) in Spring Valley, Nevada and core Sites 1 and 2.

Table 1. Stable isotopic composition of water extracted from soil cores at Sites 1 and 2 and groundwater from the core sites at Yelland Playa, Nevada.

Depth (cm)	$\delta^{18}\text{O}$ (‰)	δD (‰)
Site 1		
23	-1.97	-68.6
29	-2.32	-66.8
36	-2.55	-66.8
42	-4.73	-74.3
48	-5.45	-75.7
78	-6.33	-79.0
84	-6.83	-78.5
90	-7.04	-79.8
99	-6.48	-78.0
105	-6.70	-79.4
112	-6.47	-78.3
Groundwater (213 cm)	-5.4	-74.2
Site 2		
9.5	-6.37	-75.3
22	-2.82	-71.4
34	-4.83	-75.8
47	-5.43	-76.9
Groundwater (275 cm)	-5.52	-72.1

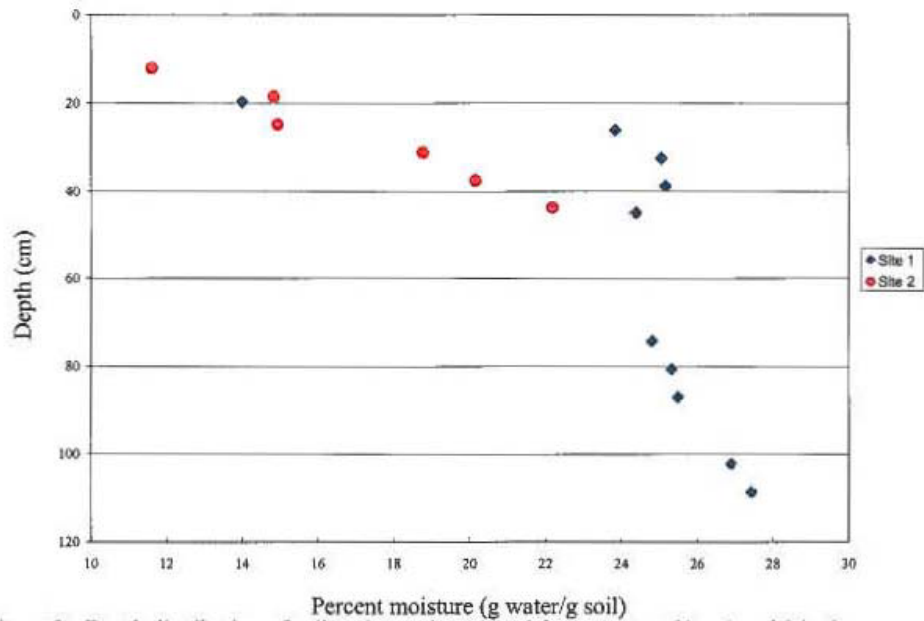


Figure 3. Depth distribution of soil moisture determined from cores at Sites 1 and 2 in the Yelland Playa, Nevada.

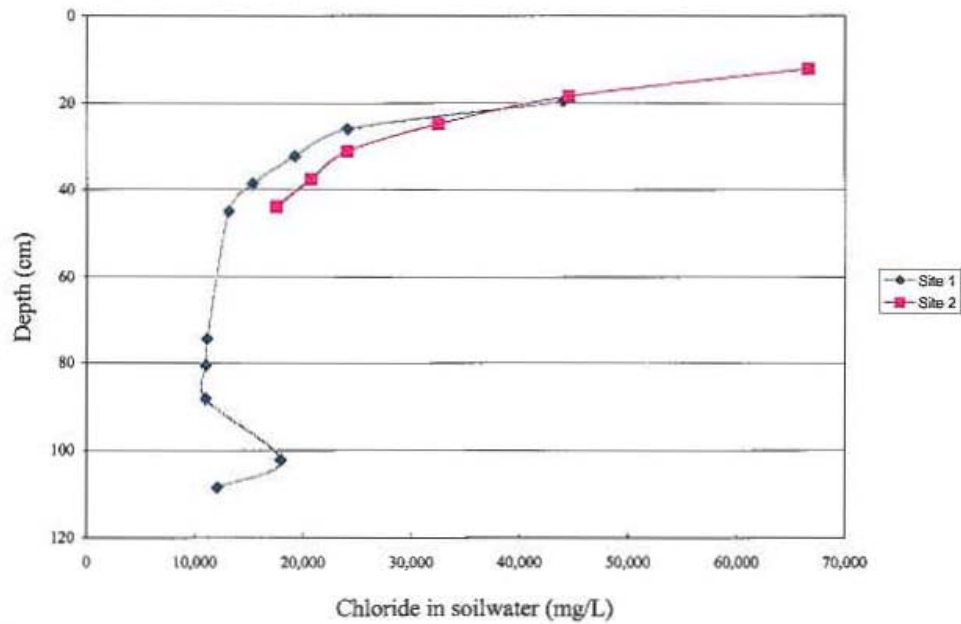


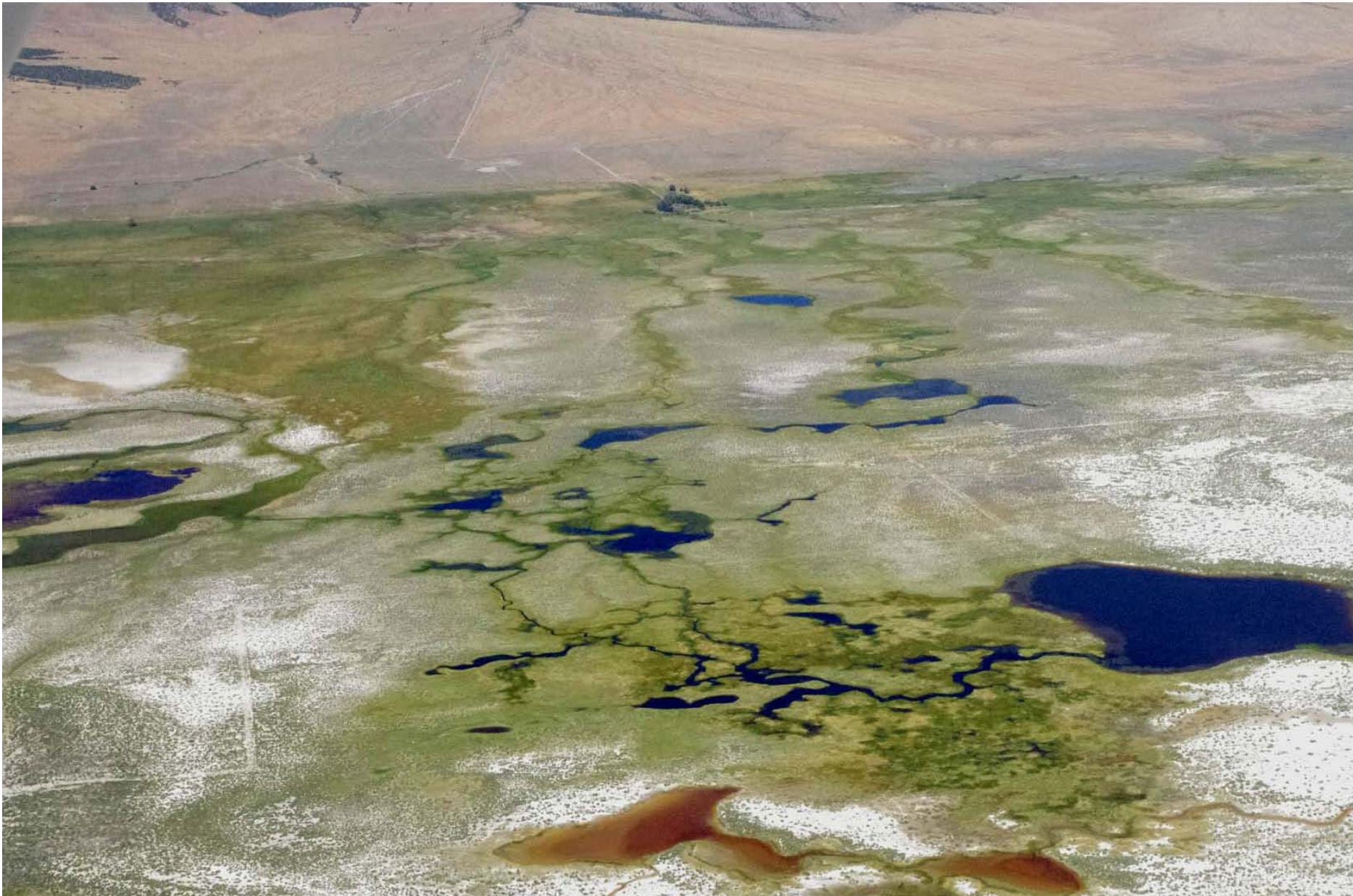
Figure 4. Soilwater chloride depth profile from cores collected at Sites 1 and 2 in the Yelland Playa, Nevada.



Photo A from NRCS Soil Survey Referenced in LONG_004 and LONG_013



Photo B from NRCS Soil Survey Referenced in LONG_004 and LONG_013



CPB_016 (IMGP9008)



CPB_016 (IMGP9011)