

TABLE DR1. DATA FOR PALEOSLOPE RECONSTRUCTION

Unit name & location ¹	D ₅₀ (mm)	D ₉₀ (mm)	Flow Depth (m)	Slope (m/km) using D ₅₀	Slope (m/km) using D ₉₀
<u>Shinarump Conglomerate</u>					
Spring Mountains, NV	15	26	1.0	1.41	0.67
Spring Mountains, NV	4.5	17	0.79	0.54	0.54
Spring Mountains, NV	10	26	1.60	0.59	0.42
Valley of Fire, NV	4	20	0.35	1.07	1.48
Valley of Fire, NV	4	15	0.42	0.90	0.93
Valley of Fire, NV	4	16	0.47	0.80	0.88
<u>Lower Cretaceous gravel²</u>					
West Gunnison Plateau, UT		46	0.6		1.82
Northern San Rafael Swell, UT		40	0.6		1.68
West of Green River, UT		26	0.4		1.54
East of Green River, UT		14	2.6		0.47
Horse Tooth Reservoir, CO		9	0.8		0.23
Seminole Reservoir, WY		10	0.8		0.29
Centennial, WY		12	1.0		0.28
<u>Ogallala Group</u>					
Pine Bluffs, WY 24	15	33	1.4	1.01	0.60
Pine Bluffs, WY 25	15	30	1.4	1.01	0.54
Pine Bluffs, WY 26	14	33	1.3	1.01	0.64
Pine Bluffs, WY 27	15	32	1.3	1.09	0.62
Harrisburg, NE 14	24	55	1.7	1.33	0.82
Harrisburg, NE 15	21	45	1.7	1.16	0.67
Harrisburg, NE 16	19	42	1.4	1.28	0.76
Harrisburg, NE 17	22	47	1.4	1.48	0.77
Harrisburg, NE 18	30	60	2.3	1.23	0.66
Harrisburg, NE 19	26	52	2.3	1.06	0.57
Harrisburg, NE 20	24	48	1.9	1.19	0.64
Harrisburg, NE 21	23.5	60	1.9	1.16	0.80
Harrisburg, NE 22	20	35	1.2	1.57	0.74
Harrisburg, NE 23	21	40	1.2	1.65	0.84
Dalton, NE 1	16	32	1.0	1.50	0.81
Dalton, NE 2	18	37	1.0	1.69	0.93
Dalton, NE 3	20	35	0.65	2.89	1.36
Dalton, NE 4	20	40	0.65	2.89	1.54
Dalton, NE 6	11	26	0.8	1.29	0.82

Data Repository item 2003121

Unit name & location (CONTINUED)	D ₅₀ (mm)	D ₉₀ (mm)	Flow Depth (m)	Slope (m/km) using D ₅₀	Slope (m/km) using D ₉₀
Dalton, NE 7	11	27	0.8	1.29	0.85
Dalton, NE 8	16	34	1.2	1.25	0.71
Dalton, NE 8a	14	26	1.2	1.10	0.55
Dalton, NE 9	15	38	0.8	1.76	1.20
Dalton, NE 9a	10	38	0.8	2.23	1.20
Broadwater, NE 1	18	37	1.6	1.06	0.58
Broadwater, NE 2	17	35	1.6	1.00	0.55
Broadwater, NE 3	19	42	1.5	1.19	0.71
Broadwater, NE 4	20	40	1.5	1.25	0.67
Oshkosh, NE 1	9	17	1.2	0.71	0.36
Oshkosh, NE 2	10	19	1.2	0.78	0.40
Oshkosh, NE 4	8	14	0.8	0.94	0.44
Ash Hollow State Park, NE 1	17	40	2.7	0.60	0.27
Ash Hollow State Park, NE 2	28	49	2.05	1.28	0.60
Ash Hollow State Park, NE 3	17.5	40	1.8	0.91	0.56
Ash Hollow State Park, NE 5	21	52	3.2	0.61	0.41

Note: only one result per site is shown. Abbreviations are: CO = Colorado, NE =

Nebraska, NV = Nevada, UT = Utah, WY = Wyoming.

¹ Each site is listed from proximal to distal basin

² Data taken from Heller and Paola (1989)