

**Tushar Allotments Collaboration  
Field Assessments  
July 8-18, 2008**

**Participants**

Bob Campbell, Fishlake Ecologist  
 Aaron David, Grand Canyon Trust, first-year intern  
 William Gray, President, Utah Native Plant Society  
 Wayne Hoskisson, Grand Canyon Trust, Reference Areas (Summer 2008)  
 Terry Krasko, Beaver District Ranger, Fishlake NF  
 Season Martin, Grand Canyon Trust, second-year intern  
 Mary O'Brien, Utah Forest Project Manager, Grand Canyon Trust  
 Art Partridge, Rangeland Management Specialist, Planning, Fishlake NF  
 Allen Rowley, Fishlake NF Supervisor  
 Doug Sorensen, Range Conservationist, Beaver District, Fishlake NF  
 David Tait, Fishlake Botanist

NOTE: Grey entries are not specifically on Ten Mile, Pine Creek/Sulphurbeds, or Cottonwood (comparison, not grazed by livestock) allotments, but are there because of reference conditions.

<b>Date</b>	<b>Nested Frequency Vegetation Transects</b>	<b>Riparian Browse</b>	<b>Aspen Stand Browse and Structure</b>	<b>Springs</b>	<b>Other Assessments</b>
Tues, July 8			<ul style="list-style-type: none"> <li>• <b>Observe Grindstone Flat Enclosure</b> (Circleville Allotment; Summer (Top) Pasture; Betensen Flat)</li> </ul>		

			<p>[Sorensen, Campbell, Martin, David, O'Brien, Hoskisson]</p> <ul style="list-style-type: none"> <li>• <b>Aspen browse transects: Grindstone Flat elk cattle, and outside exclosure</b> (Circleville Allotment; Summer (Top) Pasture; Betensen Flat) [Martin, David, O'Brien, Hoskisson]</li> <li>• <b>Observe post-fire aspen regeneration: Rigger Park</b> (1996 Pole Creek Fire (Circleville Allotment; Top (Summer) Pasture) [Campbell, Sorensen, O'Brien, Hoskisson]</li> </ul>		
Wed, July 9			<ul style="list-style-type: none"> <li>• <b>Post-fire aspen regeneration: Re-take photo points at Wades Canyon</b> (Circleville Allotmt; Birch Creek and Top[Summer] Pasture) [Sorensen, Campbell, Partridge, O' Brien]</li> <li>• <b>Aspen stand transects; Ten Mile Pasture</b> (NW portion of Ten Mile</li> </ul>		<ul style="list-style-type: none"> <li>• <b>Reference Area: Meadow</b> (Cottonwood Allotment) [Hoskisson]</li> </ul>

			Pasture of Ten Mile Allotmt; [David, Martin]		
Thu, July 10	<ul style="list-style-type: none"> <li>• <b>Re-read two old transects: Upper City Creek and Price-Canyon Pastures</b> (Ten Mile Allotment; near end of 2008 use) [Sorensen, Krasko, Tait, O'Brien, Hoskisson, Gray]</li> <li>• <b>Begin new transect: Ten Mile Pasture</b> (2 of 5 lines completed) (Ten Mile Allot; Ten Mile Pasture - was to have been rested 2008, unauthorized use has grazed it) [O'Brien, Hoskisson, Gray]</li> </ul>				<ul style="list-style-type: none"> <li>• <b>Walk/photograph/GPS boundary fence betw/ Ten Mile and Cottonwood Allotmts (incl. Little Park)</b> [David, Martin]</li> </ul>
Fri, July 11	<ul style="list-style-type: none"> <li>• <b>Establish new transect near old: Twitchell Cyn, Wildcat Pasture</b> (PineCk/Sulphurbeds Allot; will have 2008 use; some unauthorized use already)</li> </ul>		<ul style="list-style-type: none"> <li>• <b>Aspen transects N. of Wittwer Hill</b> (Pine Ck/Sulphurbeds Allotmt; Pine Creek Pasture; Wittwer Hill) [Campbell, Martin, David]</li> </ul>		

	<p>[Sorensen, Tait, Rowley, O'Brien, Hoskisson, Gray]</p> <ul style="list-style-type: none"> <li>• <b>Establish new transect: Sulphurbeds Pasture</b></li> </ul> <p>(Pine Ck/Sulphurbeds Allot;; end of 2008 use)  [Sorensen, Tait, Rowley, Hoskisson, O'Brien, Gray]</p>				
Sat, July 12	<ul style="list-style-type: none"> <li>• <b>Compile, enter transect data</b></li> </ul> <p>[Tait, Sorensen O'Brien, Hoskisson, Gray]</p>		<ul style="list-style-type: none"> <li>• <b>Compile and enter aspen data</b></li> </ul> <p>[Martin, David]</p>		
Sun, July 13					<ul style="list-style-type: none"> <li>• <b>Reference Area: Beaver, Grassland</b></li> </ul> <p>(South Beaver Allotment; Summer Pasture)  [O'Brien, O'Brien, Hoskisson, Martin, David]</p>
Mon, July 14	<ul style="list-style-type: none"> <li>• <b>Re-read old transect: Brush Creek</b></li> </ul> <p>(Pine Ck/Sulphurbeds Allotmt; Pine Creek Pasture; in current use)  [Sorensen, Tait, O'Brien]</p> <ul style="list-style-type: none"> <li>• <b>Search (don't find) old P-J transect; observe utilization</b></li> </ul>	<ul style="list-style-type: none"> <li>• <b>Observe riparian conditions: No Wildcat, Wildcat Creeks</b></li> </ul> <p>(Pine Ck/Sulphurbeds Allotmt; Wildcat Pasture)  [Campbell, Martin,</p>	<ul style="list-style-type: none"> <li>• <b>Observe aspen regeneration: Wittwer Hill</b></li> </ul> <p>(Pine Ck/Sulphurbeds Allotmt; Pine Creek Pasture)  [Campbell, Martin, David]</p>		<ul style="list-style-type: none"> <li>• <b>Reference Area: Sagebrush</b></li> </ul> <p>(Cottonwood Allotment)  [Hoskisson]</p>

	(Pine Ck/Sulphurbeds Allotmt; Pine Creek Pasture; near Bell Spring; in current use) [Sorensen, Tait, O'Brien]	David]			
Tues, July 15	<ul style="list-style-type: none"> <li>• <b>Establish new transect: Cove Creek Pasture</b> (Pine Ck/Sulphurbeds Allotmt; rested 2008) [Sorensen, Tait, O'Brien]</li> </ul>		<ul style="list-style-type: none"> <li>• <b>Aspen stand transects: Wittwer Hill</b> (Pine Ck/Sulphurbeds Allotmt; Pine Creek Pasture; [Martin, David; Campbell in afternoon]</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Dipping Vat Spring</b> (Pine Ck/Sulphurbeds Allotmt; Cove Creek Pasture - rested 2008) [Sorensen, Tait, O'Brien]</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Reference Area: Riparian Areas, Aspen</b> (Cottonwood Allotment) [Hoskisson]</li> </ul>
Wed, July 16		<ul style="list-style-type: none"> <li>• <b>Grassy Creek and Twitchell riparian browse transects</b> (Pine Ck/Sulphurbeds Allotmt) [Martin, David]</li> <li>• <b>Hi Hunt Creek willow browse transect</b> ( South Beaver Allotmt; Summer Pasture) [Hoskisson, O'Brien]</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Aspen stand observations/surveys[?]</b> (NW portion of Ten Mile Pasture, Ten Mile Allotmt; [Campbell]</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Grassy Creek Spring and Dead Cow Spring</b> (Pine Creek/Sulphurbeds Allotment, Wildcat Pasture[?]) [Hoskisson, O'Brien, Sorensen, Pender]</li> </ul>	

<p>Thurs, July 17</p>	<ul style="list-style-type: none"> <li>• <b>Complete new transect: Ten Mile Pasture</b> (final 3 belts completed; see Thurs., July 10) (Ten Mile Allot; Ten Mile Pasture - was to have been rested 2008, unauthorized use has grazed it)</li> <li>• [O'Brien, Hoskisson]</li> </ul>			<ul style="list-style-type: none"> <li>• <b>Cougar Spring, Order Cyn creek, and Bumblebee Spring</b> [Sorensen, Pender, O'Brien, Hoskisson]</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Visit to “the swamps” at headwaters of Pine Creek</b> [Martin, David]</li> </ul>
<p>Fri, July 18</p>		<ul style="list-style-type: none"> <li>• <b>Cottonwood riparian transect: City Creek</b> (UDWR Wildlife Management Area along Hwy 153)</li> <li>• [O'Brien, Hoskisson, Martin, David]</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Aspen stand transect: Price Spring area</b> (Pine Ck/Sulphrbds Allotmt; Pine Creek Pasture; [Martin, David, O'Brien, Hoskisson]</li> </ul>		