

**Table 32.** Changes in vegetation and soils between photographic pairs. Results represent the number of times a change was observed for each plant community type within a photographic pair.

Year	Views (n)	Vegetative changes <sup>a</sup>										Soil changes <sup>b</sup>										Causes <sup>c</sup>								
		No change	Trees		Total		Dist. spp.		Stable spp.		Shrubs		No change	Bare soil		Fine soil		Wallows		Trails		Erosion	Causes <sup>c</sup>							
			+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-			G	P	N	GP	N+GP			
<b>Comparisons with 1981-82</b>													<b>(Comparisons with 1981-82)</b>																	
1950's	1	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-				
1960's	19	10	2	1	1	7	-	1	-	-	1	1	6	7	-	1	-	1	-	2	-	2	6	-	7	1	3			
1970's	10	1	1	-	3	6	2	1	-	1	2	-	3	2	-	-	1	-	-	-	-	3	5	-	4	1	-			
<b>Total</b>	<b>30</b>	<b>11</b>	<b>3</b>	<b>1</b>	<b>4</b>	<b>14</b>	<b>2</b>	<b>2</b>	<b>-</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>9</b>	<b>10</b>	<b>-</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>-</b>	<b>2</b>	<b>-</b>	<b>5</b>	<b>12</b>	<b>-</b>	<b>11</b>	<b>2</b>	<b>3</b>			
<b>% of total</b>		<b>37</b>	<b>10</b>	<b>3</b>	<b>13</b>	<b>47</b>	<b>7</b>	<b>7</b>	<b>-</b>	<b>3</b>	<b>10</b>	<b>3</b>	<b>30</b>	<b>33</b>	<b>-</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>-</b>	<b>7</b>	<b>-</b>	<b>17</b>	<b>40</b>	<b>-</b>	<b>37</b>	<b>7</b>	<b>10</b>			
<b>Comparisons with 1985-86</b>													<b>(Comparisons with 1985-86)</b>																	
1915-20	12	4	7	-	1	-	-	-	-	-	1	-	7	-	3	-	-	-	1	-	1	1	-	10	-	1				
1940's	5	1	3	-	1	-	-	-	-	-	-	-	3	-	1	-	-	1	-	-	-	-	-	4	-	1				
1950's	7	-	1	1	-	4	1	-	-	-	1	1	1	4	-	-	-	1	-	1	-	-	4	-	2	1				
1960's	10	4	1	-	-	1	-	1	-	1	-	4	4	-	1	-	-	-	1	-	1	1	2	2	2	4				
1970's	13	8	-	1	2	-	2	-	-	1	-	5	-	2	-	4	1	4	-	1	-	7	-	4	1	1				
1981-82	25	13	-	-	8	2	1	-	2	-	-	9	1	5	-	1	1	-	-	1	3	11	-	4	3	4				
<b>Total</b>	<b>72</b>	<b>30</b>	<b>12</b>	<b>2</b>	<b>12</b>	<b>7</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>29</b>	<b>9</b>	<b>11</b>	<b>1</b>	<b>5</b>	<b>4</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>6</b>	<b>25</b>	<b>2</b>	<b>26</b>	<b>9</b>	<b>7</b>			
<b>% of total</b>		<b>42</b>	<b>17</b>	<b>3</b>	<b>17</b>	<b>10</b>	<b>6</b>	<b>1</b>	<b>3</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>40</b>	<b>13</b>	<b>15</b>	<b>1</b>	<b>7</b>	<b>6</b>	<b>6</b>	<b>4</b>	<b>3</b>	<b>8</b>	<b>38</b>	<b>3</b>	<b>36</b>	<b>13</b>	<b>10</b>			
<b>Comparisons with 1990</b>													<b>(Comparisons with 1990)</b>																	
1980-81	5	-	-	-	5	-	-	1	4	-	-	-	-	-	5	-	1	-	-	-	-	-	5	-	-	-				
1985-86	5	-	-	-	5	-	-	2	3	-	1	-	1	-	4	-	1	-	-	1	-	2	3	-	-	1				
<b>Total</b>	<b>10</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>10</b>	<b>-</b>	<b>-</b>	<b>3</b>	<b>7</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>9</b>	<b>-</b>	<b>2</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>2</b>	<b>8</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>1</b>			
<b>% of total</b>		<b>-</b>	<b>-</b>	<b>-</b>	<b>100</b>	<b>-</b>	<b>-</b>	<b>30</b>	<b>70</b>	<b>-</b>	<b>10</b>	<b>-</b>	<b>10</b>	<b>-</b>	<b>90</b>	<b>-</b>	<b>20</b>	<b>-</b>	<b>-</b>	<b>10</b>	<b>-</b>	<b>20</b>	<b>80</b>	<b>-</b>	<b>-</b>	<b>10</b>	<b>10</b>			

<sup>a</sup>Vegetative changes represent no change in the plant community or increases(+) or decreases (-) in cover of trees, total plants, disturbance-oriented species, species that represent stable soils, and shrubs—by each community in the view.

<sup>b</sup>Soil changes represent no changes in the plant community or increases (+) or decreases (-) in bare mineral soil exposure, amount of fine soil material visible, number of wallows, number of trails, and if erosion was visible—by each plant community in the view.

<sup>c</sup>G = goats; P = people; N = natural events; GP = goats and people; and N+GP = natural events and goats or people.