

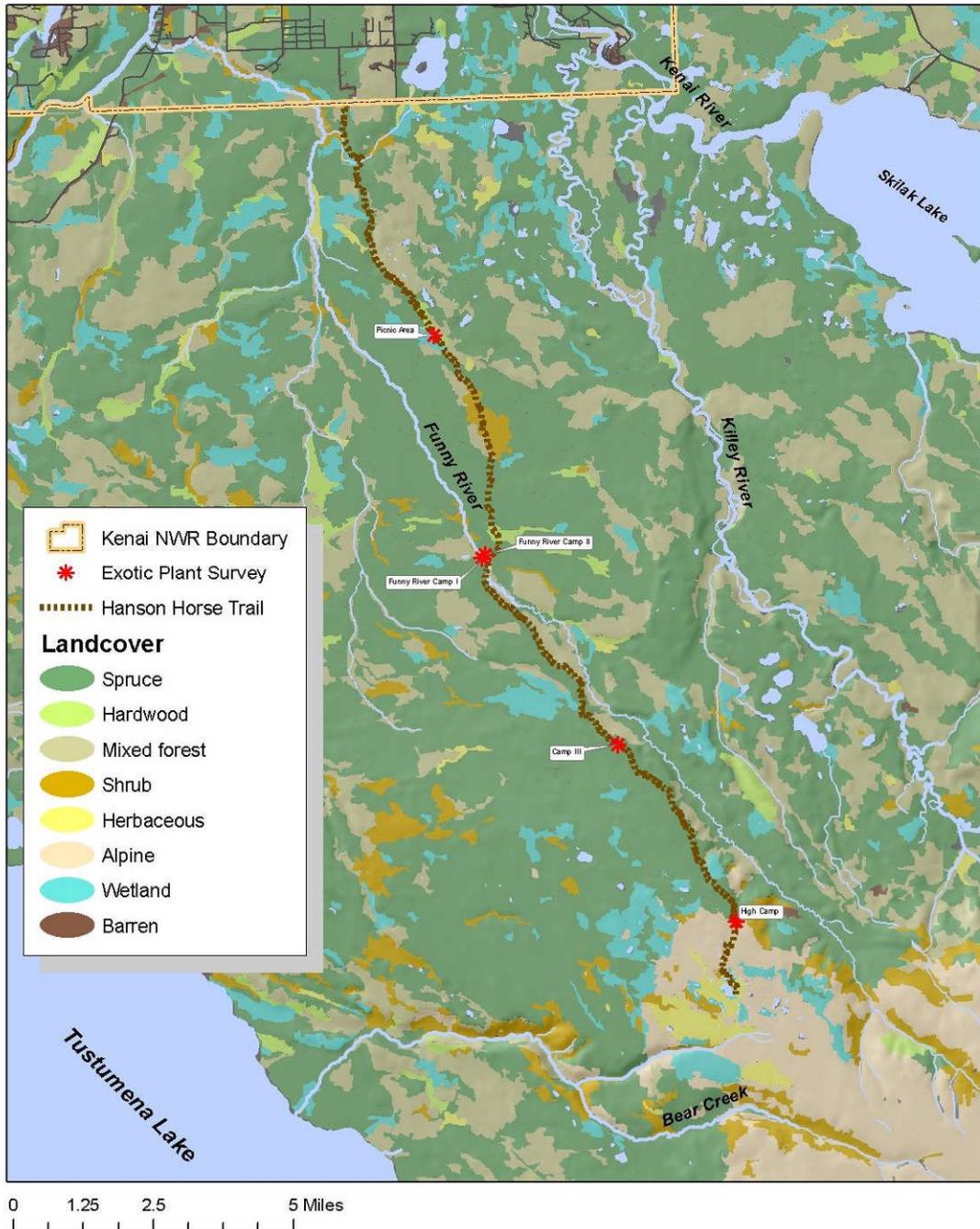
APPENDIX 1

EXOTIC PLANT SURVEY HANSON HORSE TRAIL AND ASSOCIATED CAMPING AREAS KENAI NATIONAL WILDLIFE REFUGE



U.S. Fish & Wildlife Service
Kenai National Wildlife Refuge
Soldotna, Alaska

Hanson Horse Trail Exotic Plant Survey



Exotic vascular plant species observed (14 -17 Aug 2006)

ALGE2	<i>Alopecurus pratensis</i>	Meadow foxtail
CABU2	<i>Capsella bursa-pastoris</i>	Shepherd's purse
LUPO2	<i>Lupinus polyphyllus</i>	Bigleaf lupine
MADI6	<i>Matricaria discoidea</i>	Pineapple weed
PHPR3	<i>Phleum pretense</i>	Timothy
PLMA2	<i>Plantago major</i>	Common plantain
POAN	<i>Poa annua</i>	Annual bluegrass
STME2	<i>Stellaria media</i>	Common chickweed
TRRE3	<i>Trifolium repens</i>	White clover

MADI6, PHPR3, LUPO2, and PLMA2 were observed along the first 2 miles of the Hansen Horse Trail between the trailhead and the first bridge.

1. Picnic spot (N 60.41261, W 150.72031)

Open meadow area (5 miles from trailhead). Meadow area is ~ 20m x 40m. There is evidence of horses having been tethered to trees, some trampling, but doesn't look like there's much sign of campfires or overnight use. Species present include PHPR3 (sparse), LUPO2, and PLMA2 on the trail through meadow.



Figure 1. Open meadow at the Picnic Spot.



Figure 2. Phleum pretense (Timothy) at the Picnic Spot.

2. Funny River Camp I (also called Halfway Camp) N 60.35484, W 150.69901

Very well used site, trampled 10m x 15m centralized area with fire ring and cut logs. Social trails lead out from campsite and end in large trampled areas (tent sites or where the horses have been tied). Doesn't seem like the plants listed below have established much outside the disturbed area: STME2 carpet in main campsite, MADI6, PLMA2 widespread throughout area, TRRE3 (trace), CABU2 (trace), and PHPR3 outside main campsite.



Figure 3. Main camping area at the Halfway Camp.



Figure 4. Trampled vegetation outside main camping area.

3. Funny River Camp II (N 60.35562, W 150.69753)

Across the river is a large open meadow area (20x70m) that leads to a campsite (10x15m). This isn't as well used as the last site. Species present include PHPR3 throughout the area, ALPR3 (trace), and POAN.



Figure 3. Funny River Camp II.



Figure 6. Fire pit area at Funny River Camp II.

4. Camp III (N 60.30522, W 150.63208)

Open meadow area. This spot is not nearly as established as the Funny River camps; doesn't look like this area is used much. There's some trampling but is hard to find a good tent spot, no fire ring. The trail goes right through the meadow (20m x 80m). Overall this spot doesn't seem very impacted by non-natives (PHPR3 is seen mostly along the trail through the meadow, and PLMA2 (few)).



Figure 7. Open meadow at Camp III.



Figure 8. Camping area at Camp III.

5. High Camp (N 60.25870, W 150.57373)

This camp is roughly 15m x 40m. It is on the toe of the Tustumena Bench in an open flat area surrounded by willow. Great views! A lot of this area has been grazed recently so identifying all the grasses could be difficult. PHPR3 is the predominant grass; also PLMA2.



Figure 9. Timothy growing at High Camp.



Figure 10. Tents at High Camp.



Figure 11. View from High Camp on Tustumena Benchlands.