

Mountain Goats are Concentrating Use on Mount Peale Research Natural Area: Maps of Utah Division of Wildlife Resource Data 2014-June 2016 GIS and VHS Collar Data

**Grand Canyon Trust
November 22, 2016**

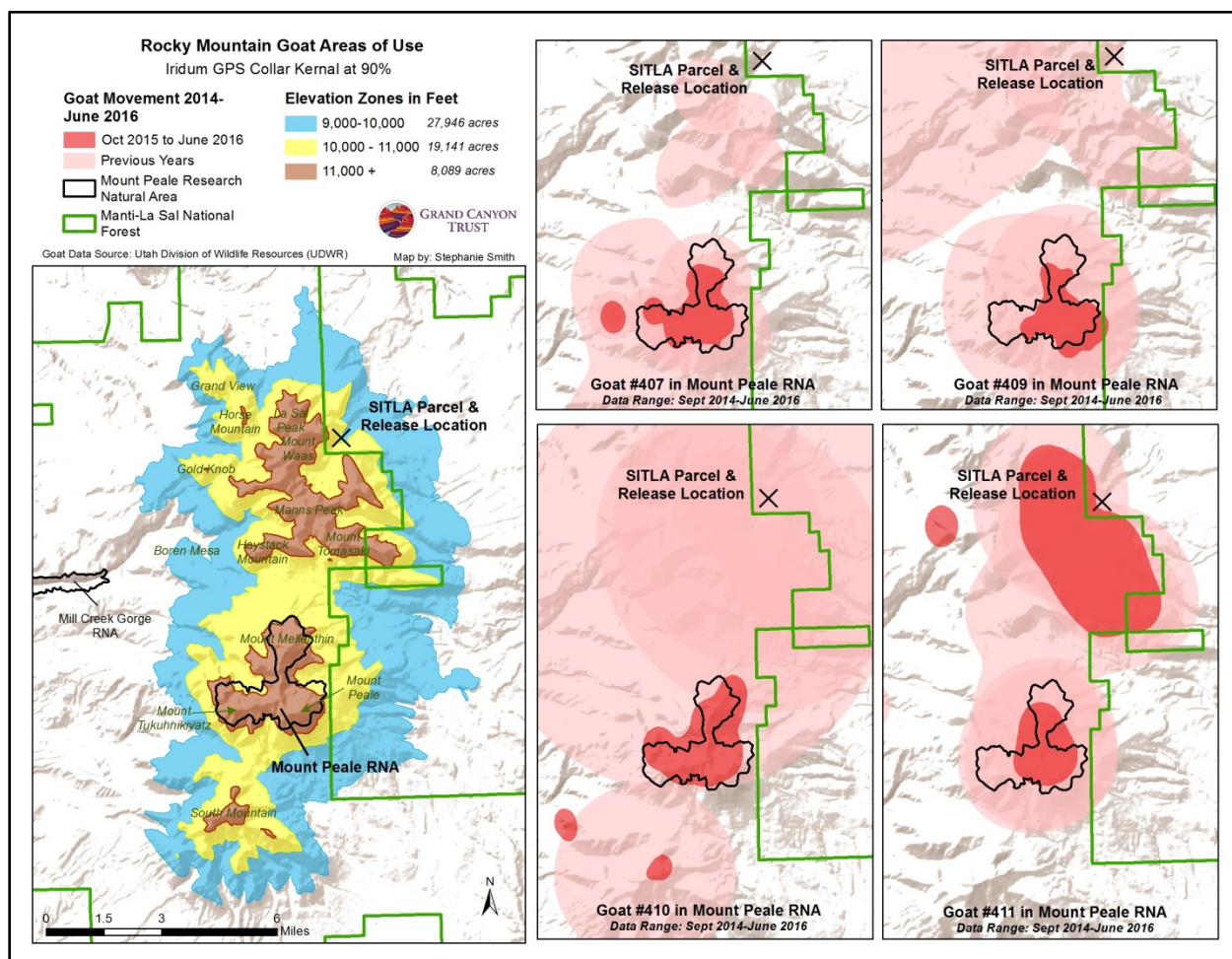


Fig. 1a. Global Positioning System collar data Sept 2014-June 2016 showing approximate areas in which each goat spends 90% of its time.

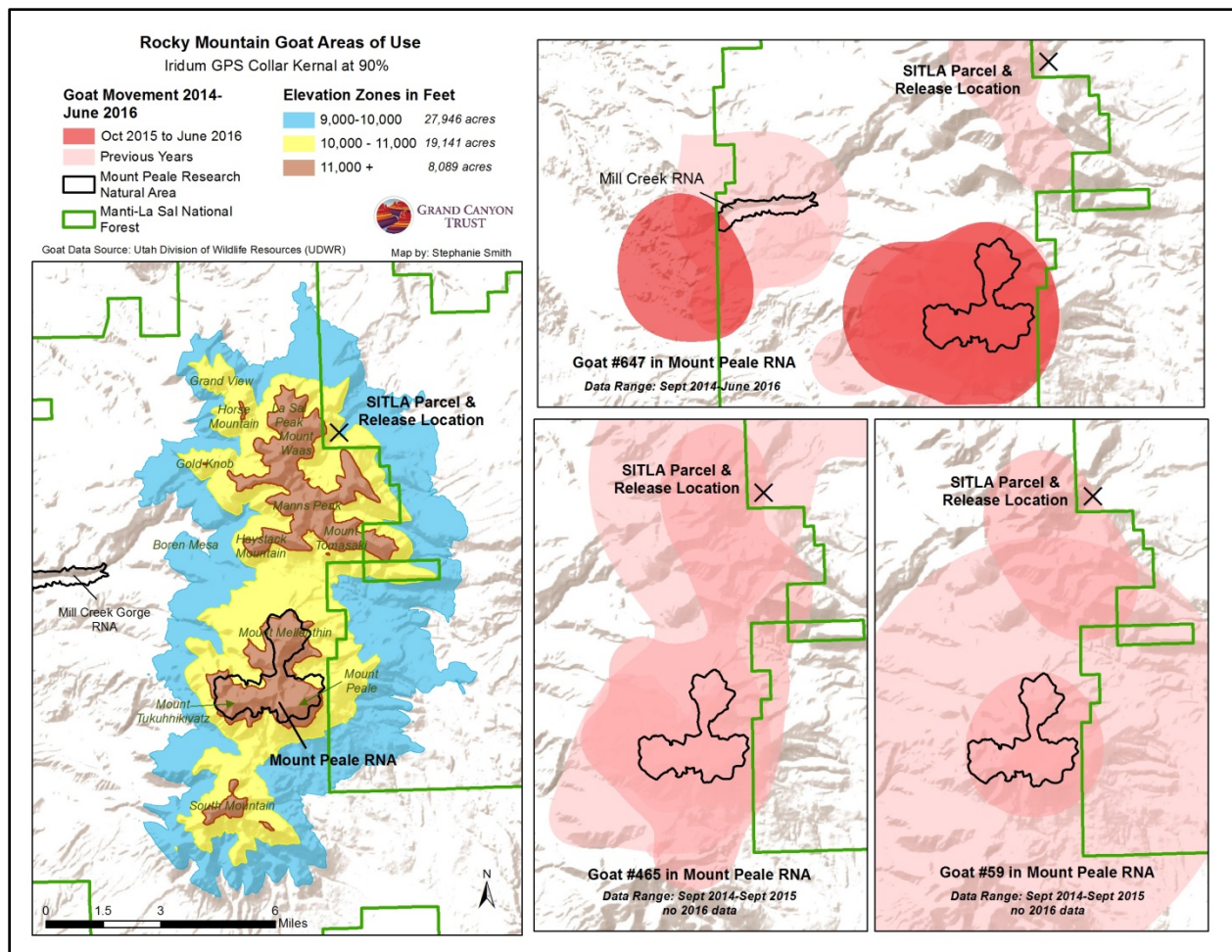


Fig. 1b. Global Position System collar data Sept 2014-June 2016 showing approximate areas in which each goat spends 90% of its time.

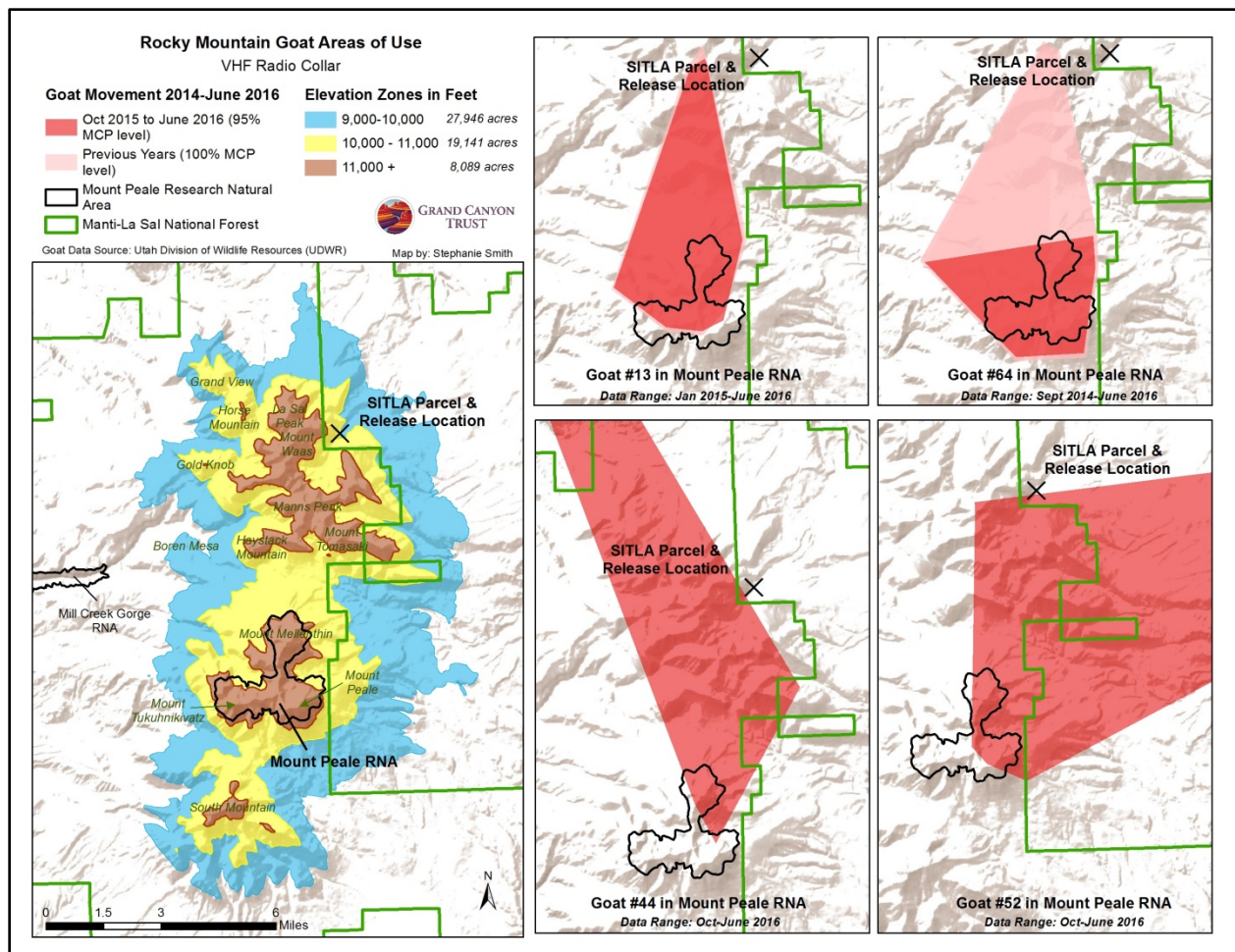


Fig. 2a. Very High Frequency collar data Sept 2014-June 2016 showing approximate area (Minimum Convex Polygon) in which each goat has spent 100% or 95% of its time.

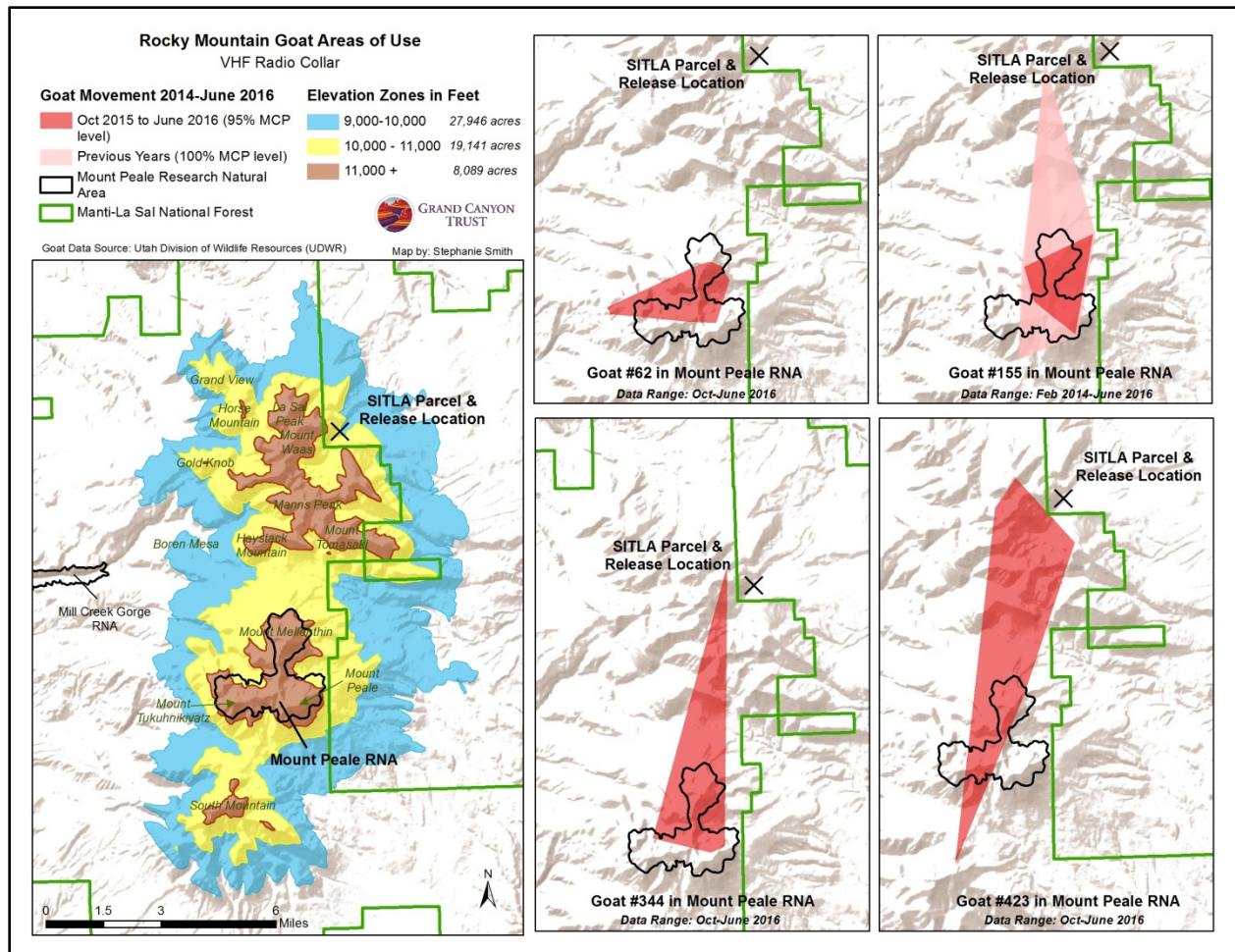


Fig. 2b. Very High Frequency collar data Sept 2014-June 2016 showing approximate area (Minimum Convex Polygon) in which each goat has spent 100% or 95% of its time.

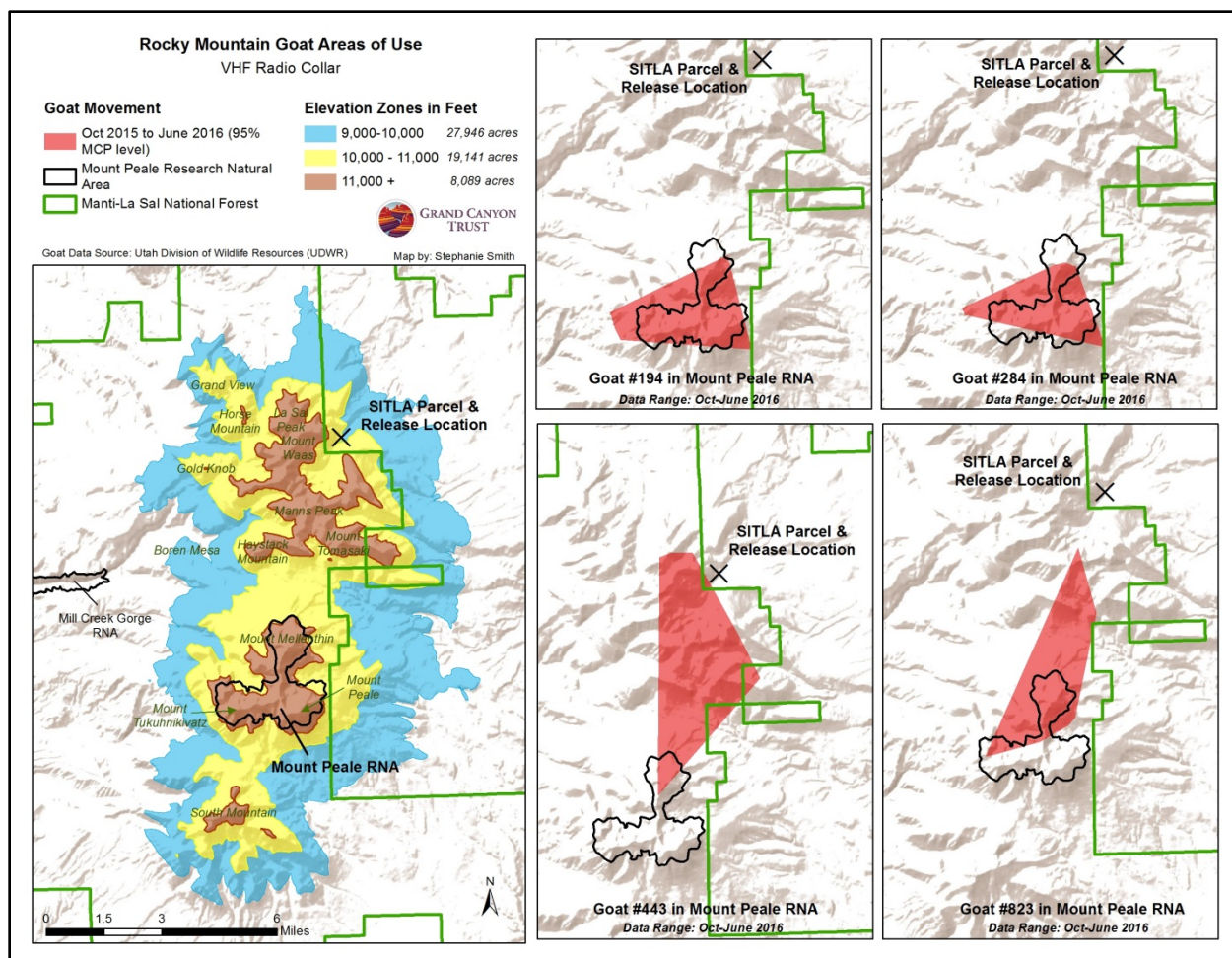


Fig. 2c. Very High Frequency collar data Sept 2014-June 2016 showing approximate area (Minimum Convex Polygon) in which each goat has spent 100% or 95% of its time .

Table 1. Summary: GPS- and VHS-Collar Utah Division of Wildlife Resources Data as Provided to GCT on Mountain Goats in the La Sal Mountains 2014-June 2016

Goat	GPS or Radio	2014	2015	2016	Trend as of June 2016
407F	GPS	yes	yes	yes	Started with a broad range in 2014 and has slowly decreased range to mostly the RNA
409M	GPS	yes	yes	yes	Very concentrated in the RNA (little range outside of it)
410F	GPS	yes	yes	yes	Spent most of 2015 outside the RNA, but in 2016 is now spending most of its time in the RNA.
411M	GPS	yes	yes	yes	Broad range of movement in and out of the RNA.
55M	GPS	yes	?	?	no data for 2015-2016
59F	GPS	yes	yes	?	After 2014 she spent most of her time in the RNA. There is no data for 2016.
647F	GPS	yes	yes	yes	Wide range in 2014 then spending most of her time in the RNA
654F	GPS	?	yes	?	Spending most of the time in the RNA in 2015. No data for 2016.
13	Radio	?	yes	yes	Seemed to migrate to the RNA in 2014 with much of the range in the RNA.
44	Radio	?	?	yes	Broad range with some in the RNA.
52	Radio	?	?	yes	Broad range with some in the RNA.
62	Radio	?	?	yes	Mostly over the RNA.
64	Radio	yes	yes	yes	Started with a broad range in 2014-2015. Throughout 2016 there is increasing time in the RNA.
155	Radio	yes	yes	yes	Seemed to migrate to the RNA in 2014 with a wider range in 2015. In 2016 it is spending most of its time in the RNA.
194	Radio	?	?	yes	Most of range is in the RNA

Note: All data provided by UDWR to Grand Canyon Trust are available upon request.