

AGFD monitoring of Kanab ambersnails at new establishment sites in Grand Canyon

- Sept 8-10: 150 KASs were translocated to each of three sites in GCRA.
- Sept 29-Oct 3: first monitoring trip to determine initial survivorship, hibernation, & dispersal of translocated KASs.
- Four monitoring trips in 1999 planned (Mar-Apr, May, July, Sep-Oct) to determine over-winter survivorship, reproduction, dispersal, density, & need for augmentation.

TWG
11/16-17/98
Attachment 10
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AGFD sampling methods are identical to those used for monitoring the KAS population at Vaseys Paradise.

Each KAS release area is sampled with 15 random 20-cm circular plots.

Adjacent secondary habitat is also sampled with 10-20 plots to document KAS dispersal and presence of other mollusk species.

Sept-Oct 1998 monitoring of new KAS sites had a mean resighting percentage of 3.1%.

In comparison, the 1996 mark-recapture efforts on VP KASs had an overall resighting percentage of 3.4%.

The area sampled at new sites = 9.4%, which is 5-8 times greater than the area sampled at VP in 1997 (1.2-1.7% area).