



Science Advisory Committee

Summary of September 15-16 Meeting

Specific metrics of success are necessary to evaluate effectiveness



- December 2016 MOG meeting:
 - How to measure recovery action effectiveness?
 - How to ensure managers get the bang for their buck?
 - What would an effectiveness monitoring program look like?
 - What are appropriate metrics/parameters?



1. *Clearly define goals & measurable response parameters for the project
2. *Measure change in the threat with replicated projects
3. Add range-wide monitoring transects to treatment areas
4. Assess landscape-level recovery via existing range-wide monitoring program

Specific metrics of success are necessary to evaluate effectiveness



Translocation

| Stage | Indicators/metrics | Time frame |
|---|---|------------------------------|
| 1. Survival & growth of released & resident individuals | a. Survival within 20% of controls b. Increase in CL since release | a. 5 years b. 5 years |
| 2. Evidence of reproduction | a. Repro output vs. controls b. % juveniles increasing | a. 5 years b. 10-15 years |
| 3. Population growth | Increasing trend in adult population | 15-20 years |
| 4. Viable population | Adult density $\gg 4/\text{km}^2$, excluding founders | 20-30 years |

Miller et al. 2014. Conservation Biology 28:1045-1056.

Bell and Herbert. 2017. Journal of Herpetology 51:37-46.