

Questions for Falk & McMahan (1988)

- (1) What are the principle ways in which botanical gardens conserve genetic diversity?
- (2) Describe what is meant by Rescue, Mitigation, Introduction, Reintroduction, and Translocation?
- (3) What types of research can botanical gardens do to support conservation efforts?

Questions for Hamilton (1994)

- (4) What is the impact of seed / germplasm collection on genetic diversity? How can this bias the gene pool of *ex situ* populations?
- (5) How is the natural selection environment of plants altered in *ex situ* systems?
- (6) How can genetic bias be generated through plant growouts in gardens?
- (7) Given these issues, what do you think is the appropriate role of seed banks and gardens in plant conservation?

Questions for Allen (1994)

- (8) What is mitigation? How successful is it? What factors limit its success?
- (9) What is the net impact of introductions / translocations on conservation effort?

Questions for Cade (1988)

- (10) What factors have limited the success of captive breeding programs and the reintroduction of individuals to the field?
- (11) Is the cost of captive breeding a good investment?
- (12) Why might captive breeding be more important for raptor conservation than other groups?

Questions for Bangs and Fritts (1993)

- (13) What were the four alternatives considered for the recovery of the Gray Wolf in the western USA? How reasonable are they? Do they fairly map out the options available?
- (14) Do you agree with the rationale used to not allow for 'Natural Recovery'?
- (15) Applying the concepts of Hamilton (above), what potential genetic / conservation impacts might be created if adopting the Reintroduction option?