

Name: _____

BIO 320 – *Fundamentals of Ecology*
20 points

Video Worksheet
A River Reborn

1. How many headwater springs feed Fossil Creek?
2. Based on archaeological evidence, how far back does human habitation go in the Fossil Creek area?
3. What is travertine?
4. What was the primary reason for building the hydroelectric plant at Fossil Creek?
5. What distance did the completed hydroelectric facilities cover along Fossil Creek?
6. What was the function of the upstream diversion dam?
7. To where did the flumes carry the water from Fossil Creek?
8. What was Jerry Stefferud's argument for restoring natural flow to Fossil Creek?
9. What are the environmental consequences of dams?
10. How many dams have been constructed in the U.S. during its history?

11. How does the Salt River differ above and below the Granite Reef Dam?
12. What percentage of streamside habitat has been lost in Arizona?
13. What percentage of native fish are considered at serious risk in Arizona?
14. What was the first hydroelectric dam to be decommissioned in the U.S.?
15. How did the abundance of macroinvertebrates (insect larvae) differ above and below the dam?
16. How has the diet of the round-tailed chub changed in areas with low water flow?
17. How does travertine form?
18. What was one of the biggest challenges in restoring native fish to Fossil Creek?
19. How did the Bureau of Reclamation protect Fossil Creek from re-invasion by alien species?
20. How quickly after decommissioning the dam did travertine reappear?
21. What is one of the greatest threats to the continued health of Fossil Creek?