

Table of Contents

Introduction..... pg 2

Literature Review..... pg 2

 What is a Lake Management Plan?..... pg 2

 Managing the Watershed..... pg 3

 Restoration and Management Techniques..... pg 3

 Implementation of a Lake Management Plan..... pg 4

 Summary..... pg 5

 What are the effects of a changing climate on lakes?..... pg 5

 Impacts of Climate Changepg 5

 GIS & Climate Changepg 6

 Effects on Water Quality..... pg 6

 Effects on Water Volume.....pg 8

 What are the effects of changing land cover on lakes? pg 9

 Land Cover Effects on Water Quality.....

In relation to our specific project, this study illustrates the connection between key animal species and ecosystem health in many of the national parks in the Western U.S. Granted we do not have Grizzly Bears in Kansas, but native wildlife is just as important. Changes in their habits due to climate change can provide valuable information to climate scientists and wildlife biologists regarding environmental health. Utilizing the Surficial Geology map in Glacier

sediments. These results are encouraging and suggest that the implementation and monitoring of a phosphorus control management plan can mitigate the potential for a lake t50 0 0 (i) 0.2 q 0.24 0 00 050 0 0i

during periods and high rainfall and flow events. This shows that the most attention should be

Accessibility, cost, data retrieval, and location. It is my hope that future researchers will consider these factors

HOBO Water Level Logger

hydrology during the next 3–5 years (Robinson, Binley, Crook, Day

step is to plug that into the Q formula, where P is the rainfall amount you wish to use. Lastly you find Q and multiply that by the area, for example $Q \times A$ (Acres),

Precipitation

The total number of rain events per year ranged from 112 rain event

Table 1

VI. Discussion

References

National Park Service. (n.d.). National Register of Historic Places. Retrieved November 4, 2018, from <https://www.nps.gov/subjects/nationalregister/index.htm>

2018.

Thornton, K. (1990). Lake and Reservoir Restoration and Management Techniques in *Lake and R*

Map 1.



