

A Review of Sedimentation within Marion County Park and Lake, Kansas

Contents

Acknowledgements

3

Table of Figures

4

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Table of Figures

<u>Figure</u>	<u>Caption</u>	<u>Page</u>
Figure 1	After completion of construction	5
Figure 2	Normally ponded reservoir outlet structure	6
Figure 3	Map of water route in relation to the new boundari	

Introduction

The greatest environmental concerns for the Great P

become a bigger issue. If these basins continue to be used past their design life, greater care will have to be taken to ensure that the water qual

Figure 6: Depiction of sedimentation within a reser

periods of enhanced precipitation or periods of dro

resolved by generating a growth curve for a single

the soil surface by water or wind". Through erosion the characteristics of the lake sediments can then help us find the source of where the sedimenta

Figure 10: USDA soil texture triangle (Schoenebe

Figure 11: 2020 Web Soil Survey of Marion County Park and Lake (Soil Survey Staff, 2019)

Soil structure

The field book for describing and sampling soils (Schoeneberger et al., 2012) defines

Figure 12: Soil structure types (Schoeneberger et al., 2012)

Discussion

Best Management Practices (BMPs)

It is suggested to investigate ways to reduce erosion if sedimentation begins to affect reservoir use (Smith, 2011). The BMPs are the ways to help reduce erosion within a watershed.

Conclusion

References

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