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Yellowstone Lake State Park  
Lafayette County

June 20, 1978

Yellowstone Lake State Park has proposed to build a shower facility from which the waste water, after going through a treatment system, will be discharged to the ground surface. The proposed discharge will be located in a ravine which currently drains into a tributary of Yellowstone Lake. Due to the small discharge from the sand filter and the distance to this tributary, it is possible that the effluent may not reach the tributary.

Yellowstone Lake Tributary

This tributary has relatively good water quality but a limited benthic community. The stream has a rock-rubble substrate and is buffered by grass and trees in its upper reaches and marshland in its lower reaches. The Area Fish Manager's opinion is that the tributary will only sustain a minnow population. The most limiting factor of the tributary is its low flow and it may become intermittent.

Recommendations

From the Yellowstone Lake State Park treatment facility discharge down to the juncture with the Yellowstone Lake tributary the classification should be diffused surface waters. From this juncture and for the remainder of the Yellowstone Lake tributary the classification should be non-continuous surface waters not supporting a balanced aquatic community.

The above recommendations represent a concurrence of opinion of the stream classification team who are as follows:

Dennis Iverson - District Engineer  
Gene Van Dyck - Area Fish Manager  
Tom Bainbridge - District Biologist  
Roger Schlessen - Environmental Specialist

Respectfully submitted,



Roger Schlessen  
Water Quality Specialist

RS:jj