

UNITED STATES GOVERNMENT

6680.3

Memorandum

TO : Non-Game Files

DATE: September 13, 1978

FROM : Non-Game Biologist

SUBJECT: Owl Survey's

On the 26 and 27 of June 1978 the first comprehensive owl survey was initiated in the Mt. Trumbull Area.

The technique used involved the playing of owl calls with a tape recorder for 5 to 10 minutes at each half mile interval along the transect route.

The first nights run, although at times a little windy produced a flamulated owl response. The habitat was a partially open sage flat with locust and gambel oak and scattered ponderosa pine. The location was T. 38 N., R. 8 W. Sec. 18 NE. On the second night a flamulated responded just northwest of saw mill flat (T. 34 N., R. 9 W. Sec. 7 NW.)

The transects were run late in the breeding season and owls were not as territorial as they would be in April or May. The two responses elicited is considered good because of windy conditions and the lateness of the survey.

Transect 1# (first night) started at the "saddle" between Petty Knoll and Slide Mountain and ended 1/2 mile south of the Mt. Logan-Tuweep Division Fence, along the Big Springs and Mt. Logan Roads.

Stop Number	Mileage	Duration of call (Min)	Response	Location	Remarks
1	93.8	5	none	T.34 N. R. 8 W. Sec. 20	Time of survey 9:57 P.M. to 11:47 PM.
2	94.4	8	none	T.38 N. R. 8 W. Sec. 17	
3	94.9	7	none	" " " "	
4	95.4	7	none	Sec. 17 " " " "	
5	95.9	15	yes	Sec. 17 " " " "	Flamulated owl
6	96.4	7	none	Sec. 18 " " " "	
7	96.9	6	none	Sec. 7 " " " "	
8	97.4	5	none	Sec. 7 " " " "	
9	97.9	5	none	Sec. 8 " " " "	
10	98.4	7	none	Sec. 8 " " " "	Total length of Transect 1# 4.6 miles.



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Transect 2# (second night) started where sawmill flat road intersects the Mt. Logan Road south of the junction of the Mt. Logan - Big Spring Roads. The route followed the sawmill flat road where it intersects the Mt. Logan Road at the Arizona Game and Fish Department Water Catchment.

Stop Number	Mileage	Duration of call (Min)	Response	Location	Remarks
1	92.7	5	none	T.34 N. R. 9 W. Sec. 13	Time of survey 9:25PM to 11:52 PM
2	92.8	6	none	" " " "	
3	93.0	5	none	Sec. 13 T.34 N. R. 8 W.	
4	93.2	29	yes	Sec. 7 T.34 N. R. 8 W.	NW1/4 Sec. 7
5	93.9	6	none	Sec. 7 " " " "	Flamulated response
6	94.3	7	none	Sec. 7 " " " "	Intersection Mt. Logan Road
7	96.3	5	none	Sec. 7 " " " "	Restarted survey fence
8	96.8	6	none	Sec. 8 " " " "	1/2 mile south of division
9	97.3	7	none	Sec. 8 " " " "	
10	97.8	6	none	Sec. 5 " " " "	
11	98.1	5	none	Sec. 5 " " " "	Mt. Logan, Mt. Trumbull Roads Junction.

Total mileage 5.2



