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REPLY TO:

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Michigan Frog and Toad Survey Five-Year Summary (1996-2000)

Five-year analyses were done using those routes that have submitted data all five years and were complete for all five years. There were 118 routes that submitted complete data all five years – 82 in Zone 1, 21 in Zone 2, 5 in Zone 3, and 10 in Zone 4. Five years of data is the beginning of a solid database, but conclusive statements regarding population trends cannot be made at this time, although some trends are beginning to come through for some species. The mean number of sites at which a species was heard per route was calculated for each zone. Some species' abundances were too low to register on a graph so were omitted from some zones' results. Due to the low number of routes in Zones 3 and 4 the variations in the charts are more dramatic for those zones. Comparing trends between species is the most valuable use for the graphic representations at this stage of the survey. For most species the trends are similar between zones. Most species' trends appear to be stable. Data on wood frog observations should be interpreted cautiously due to their brief calling periods and associated difficulty of conducting the first run when wood frogs are calling. Observations of Western chorus frogs seem to be increasing in the Upper Peninsula. Green frogs may be on the verge of a decline in all zones, although overall abundance seems to remain high relative to other species. Continued low abundance of mink frogs, Northern leopard frogs and Blanchard's cricket frogs is being documented and may lead to future research projects to investigate the reason(s) for decline.

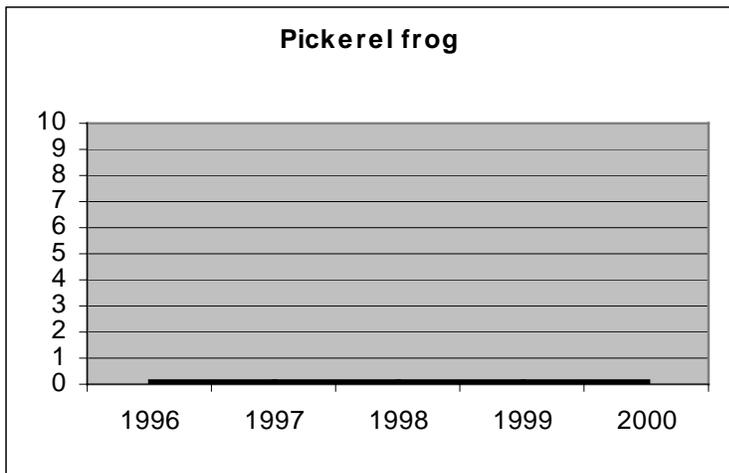
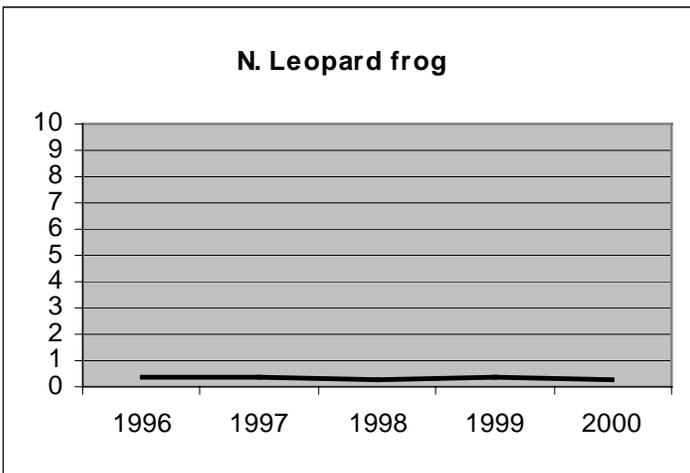
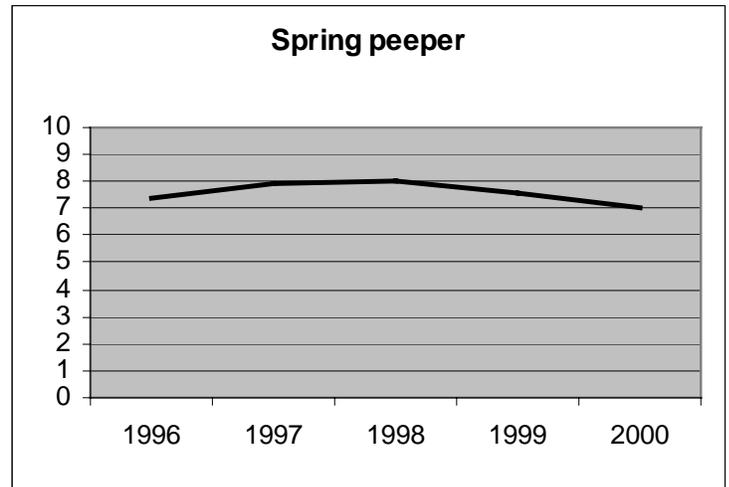
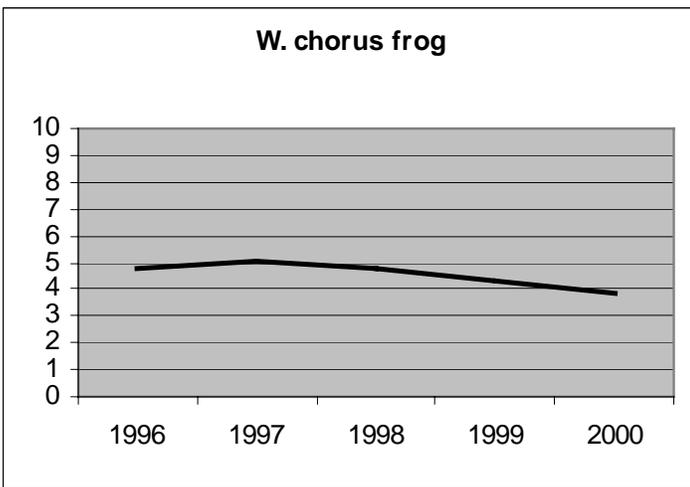
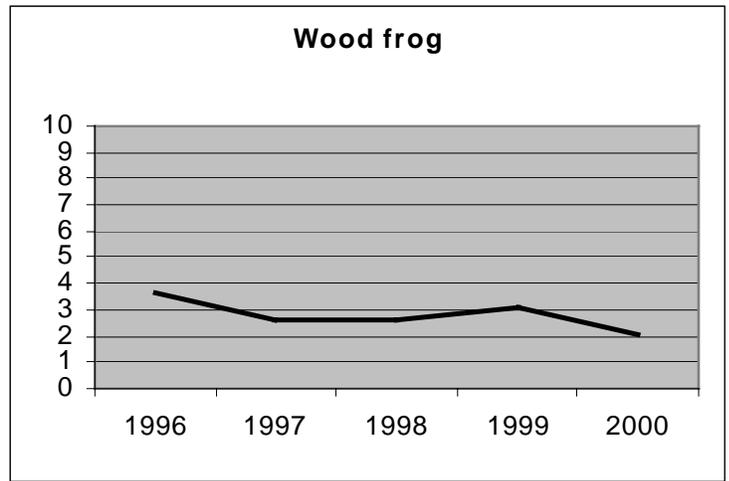
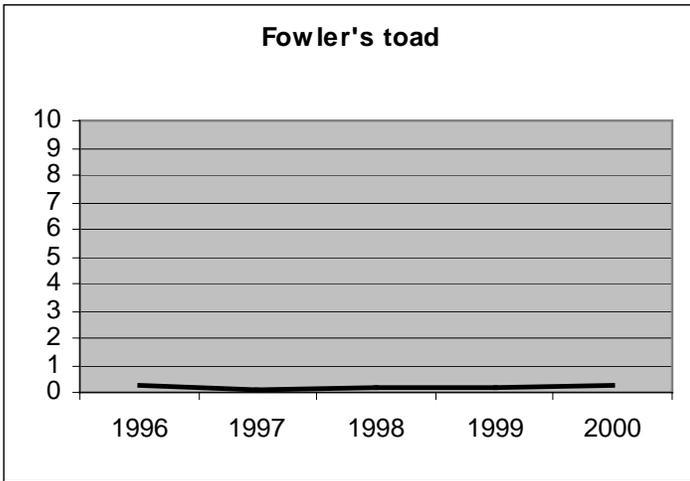
All updated data summaries and range maps are featured on the Natural Heritage Program web site: <http://www.dnr.state.mi.us/wildlife/Heritage/default.htm>. All questions concerning these data summaries and/or the Michigan Frog and Toad Survey should be directed to:

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(517) 373-9418
e-mail: sargenL2@state.mi.us

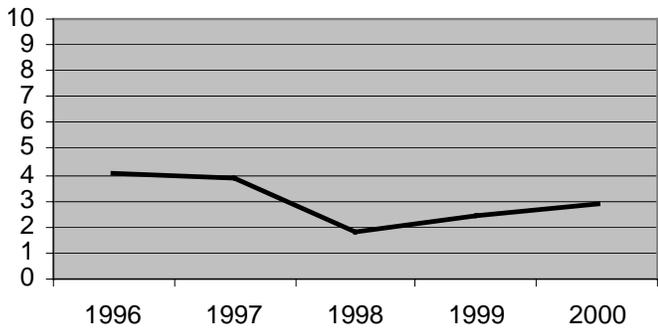
Five-year Summaries of Species Occurrence Using Routes with 5 Years of Data

Zone 1

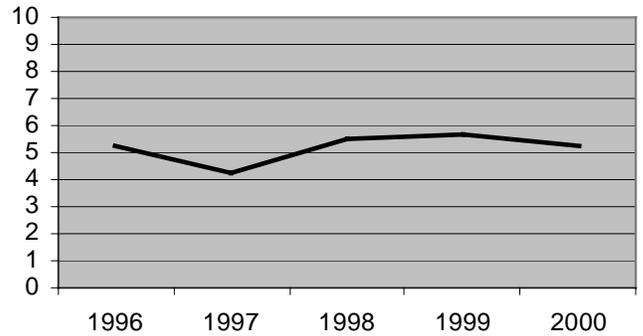
Average number of sites/route a species was heard



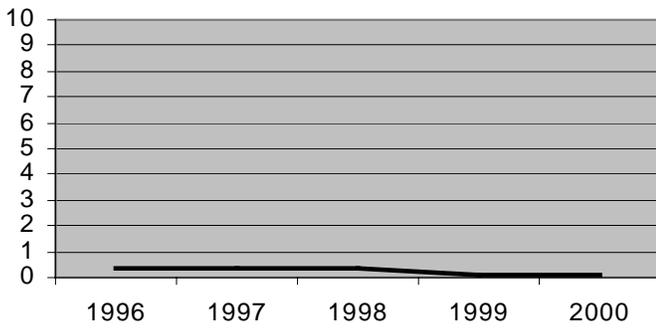
American toad



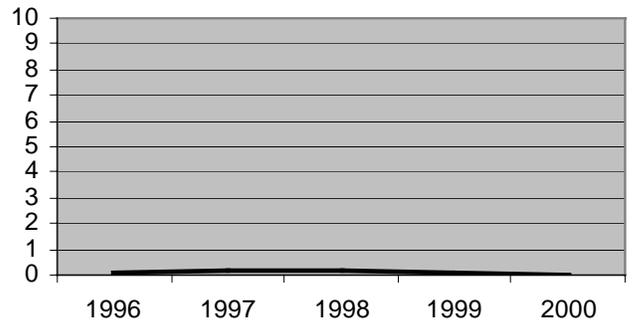
E. Gray treefrog



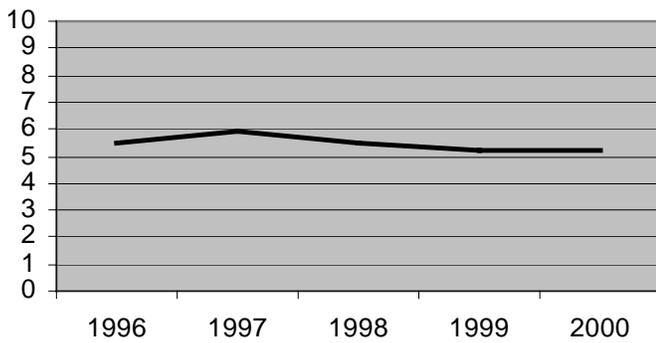
Cope's gray treefrog



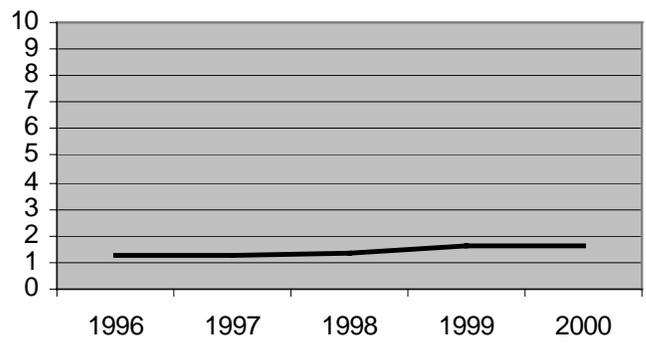
Blanchard's cricket frog



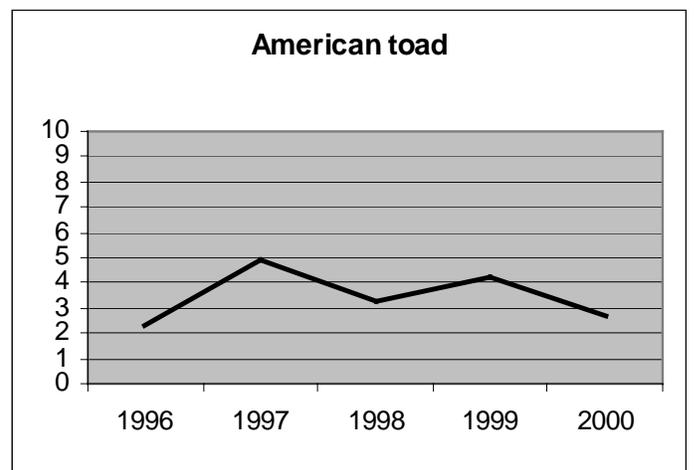
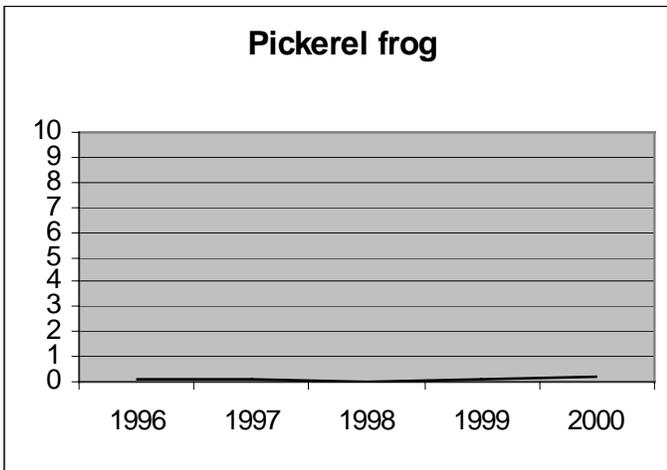
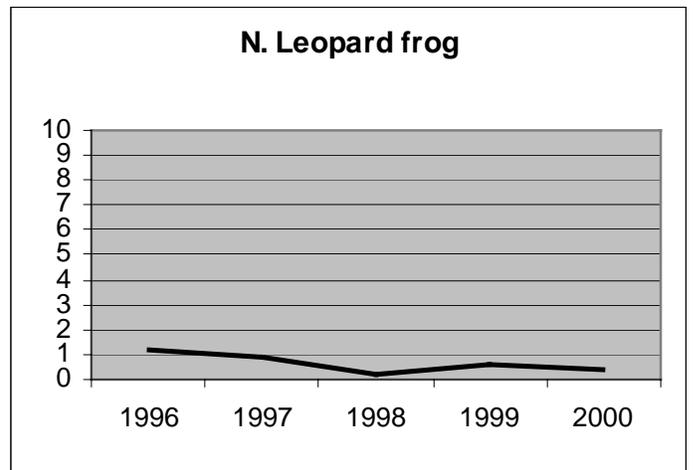
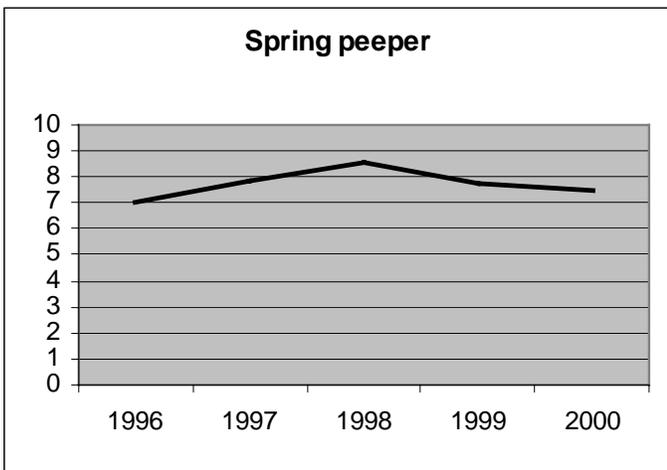
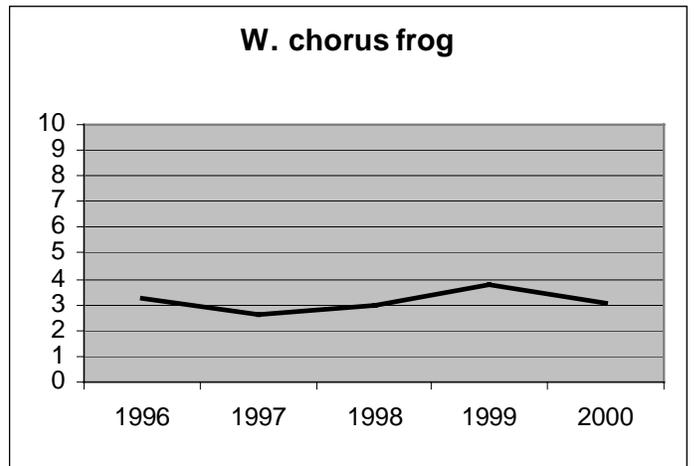
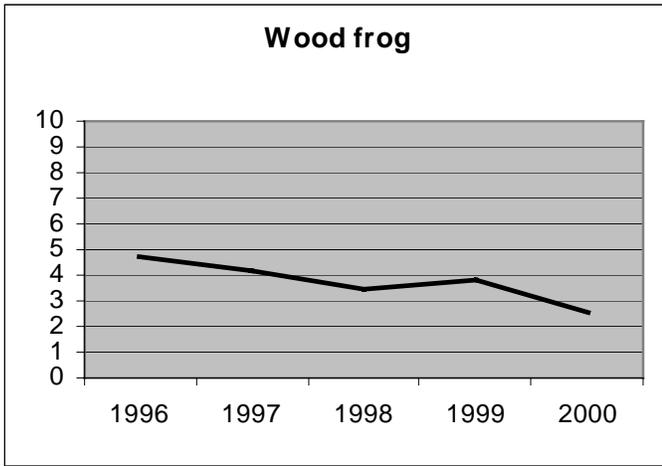
Green frog



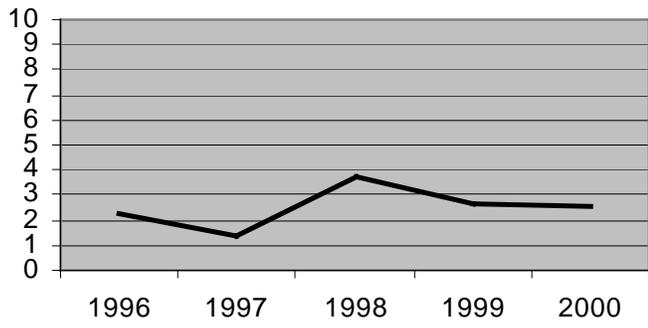
Bullfrog



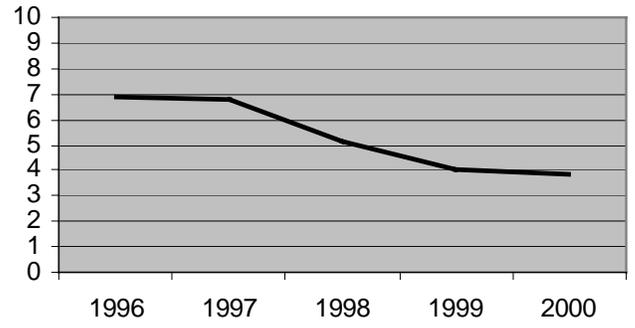
Zone 2
Average number of sites/route a species was heard



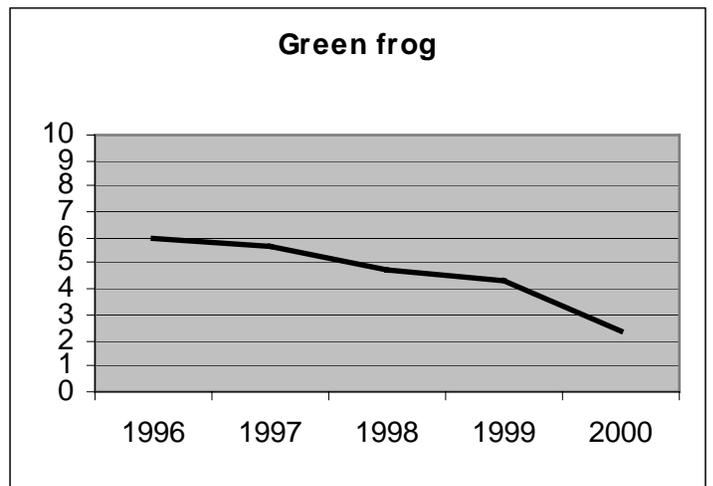
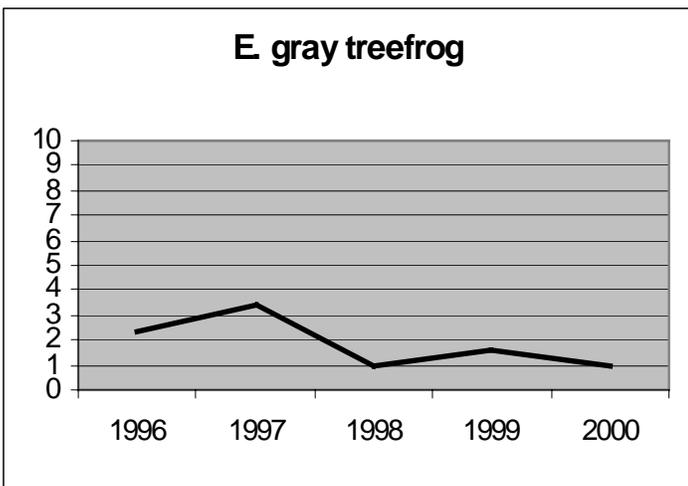
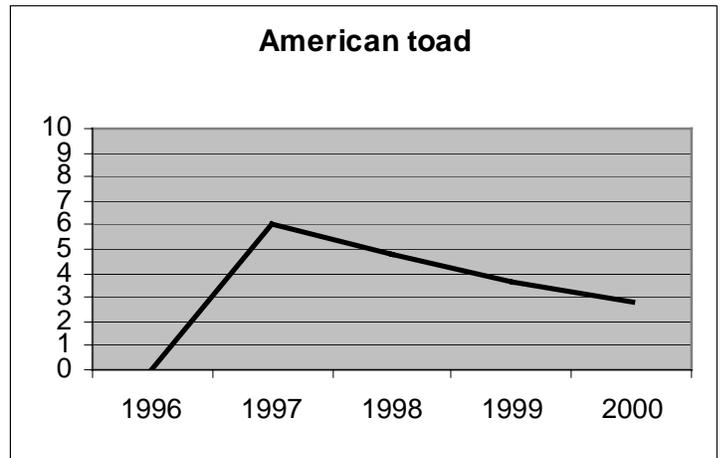
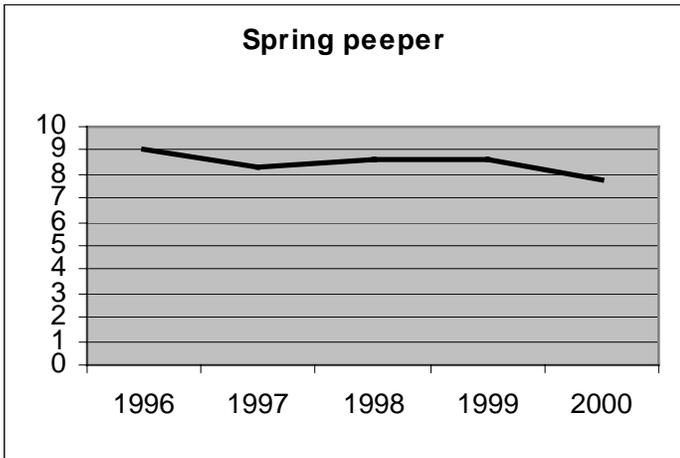
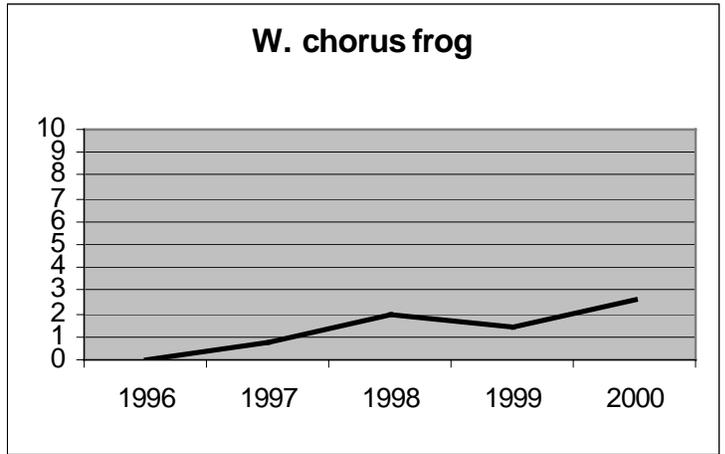
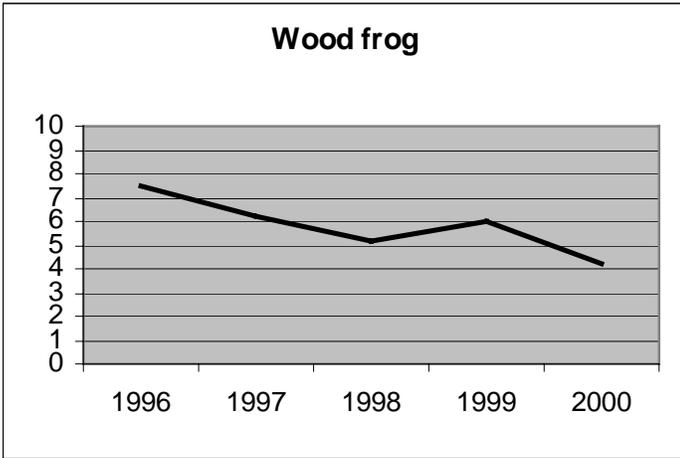
E. gray treefrog



Green frog

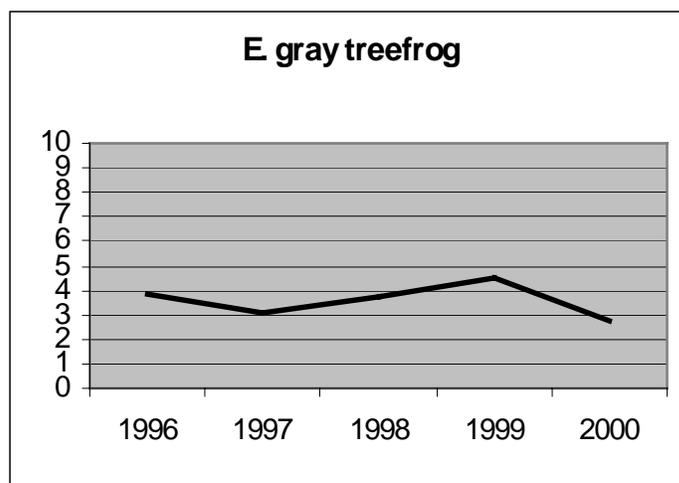
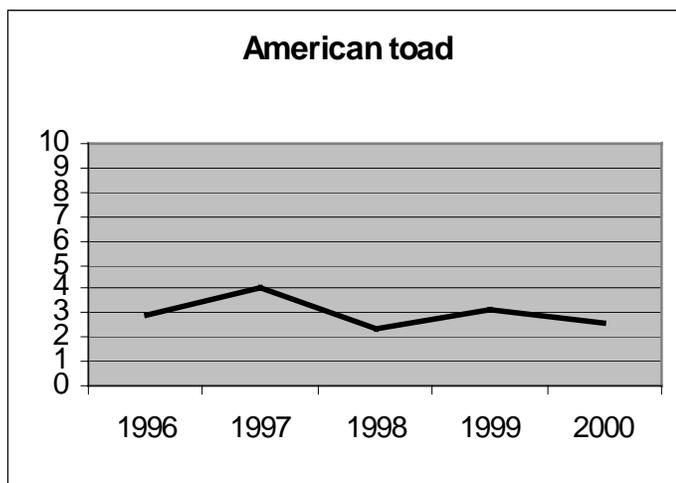
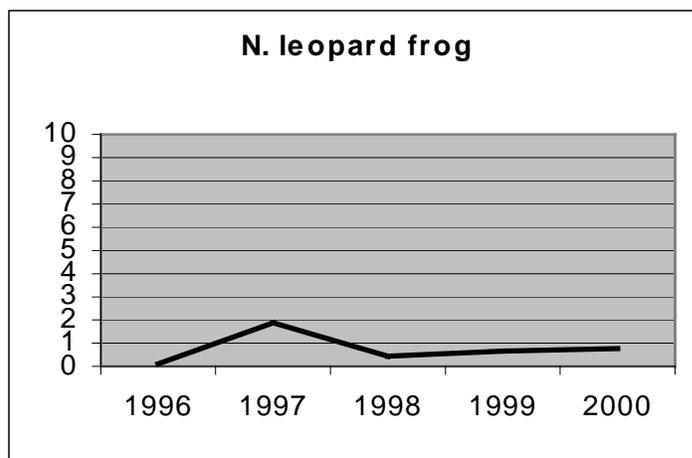
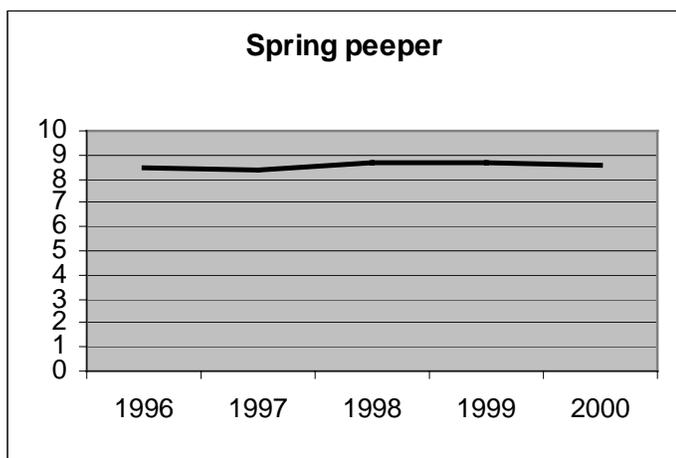
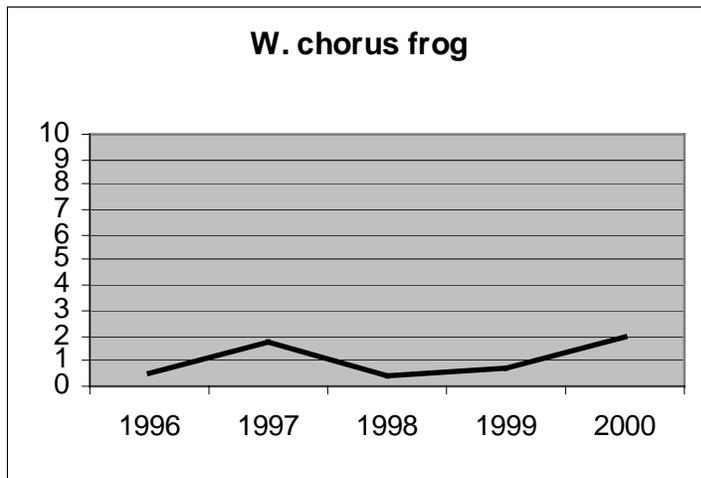
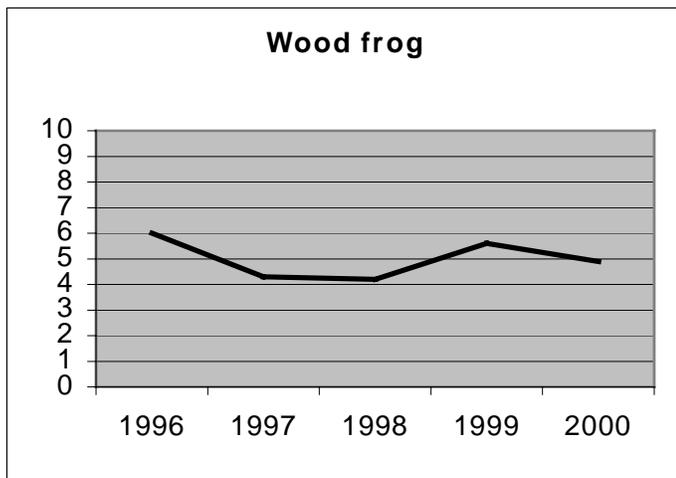


Zone 3
Average number of sites/route a species was heard

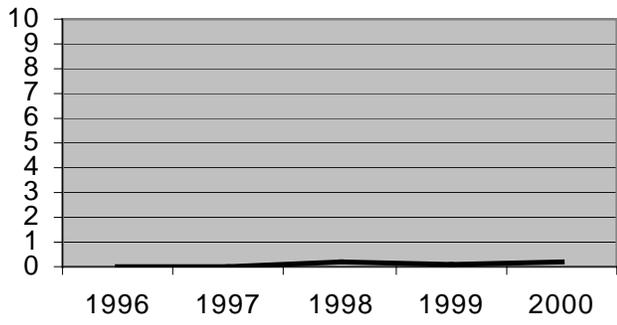


Zone 4

Average number of sites/route a species was heard



Mink frog



Green frog

