

Factors Influencing Frog Calling Behavior

FACTOR	CALLING BEHAVIOR RESPONSE	MONITORING PROTOCOL
Time of Year	Call from late winter/early spring (after snow melt) through summer.	February – August, annually.
Time of Day	Some call during the day, but calling activity peaks at sunset and tapers off after midnight.	30 minutes after sunset – 1:00 AM.
Precipitation	Rain stimulates calling and other behaviors.	Try to listen after rain events; do not listen in heavy rain (effects detection) or during snow/ice.
Temperature	As ectotherms, cannot be active below a certain threshold — it is energetically costly to call; will also call more slowly at lower temps.	Minimum temperature of ~42°F; avoid excessively hot & dry conditions.
Location	Make breeding calls at wetlands; elevation affects temperature & other environmental conditions; ambient noise causes frogs to call higher and less frequently.	Listen at a wetland/slow-moving aquatic habitat; follow weather trends in your area; avoid noisy areas when possible and make note of any background noises.