Automated Fly-Fishing System

Like the Fishinator an automated fly-fishing system for high quads would be a real challenge. A fly-fishing caster would require an additional function. The Fishinator casts from a rotating axis off a gear motor. To cast a fly line that casting sequence would require that the rotating axis be able to move forward and backward during the cast. That may use a gear motor on a linear actuator.

The casting function is only one challenge as the reel would have to be motorized and there have not been any attempts to motorize fly reels.

The controller may work with a Quadstick, but intuitive fluid sequencing will be a challenge.

This project is likely to be more than one senior capstone effort and may need to be broken down into stages where each stage is addressed separately. The funding for this will likely require a grant collaboration.