

# WILDLIFE

## MONITORING



**Biomark**



**WILDLIFE MONITORING** studies involving mark-recapture, movement, abundance, survival and recruitment have confirmed that Passive Integrated Transponder PIT Tag technology is a reliable and effective method of identifying and monitoring individuals over their life time. The key benefit is that the PIT tags do not have a battery so function indefinitely. Biomark will help you design a monitoring system to meet the needs of your unique application, species and research. Biomark will provide comprehensive services that take you from initial study design consultation all the way through installation of a PIT system. With our R & D and fabrication expertise, we will customize the components and ensure high performance functionality of your tags, readers, antennas and data collection.

### EXAMPLES OF SPECIES TAGGED



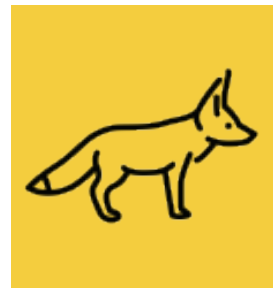
**BATS**



**WEEVILS**



**DRAGONFLY**



**FOX**



**PENGUINS**

Species	Application Stories
<p><b>BATS</b></p>	<p>Biomark developed a custom detection system to monitor bats coming to a suspended hummingbird feeder. The antenna was built to fit perfectly on the base of the feeder so that a visiting bat would be detected.</p> <p>PRODUCTS USED:</p> <p>IS001 Reader, remote monitoring enclosure, IS1001 data logger board, 20ft antenna cables &amp; custom circular antennas</p>
<p><b>WEEVILS</b></p>	<p>Tags have been glued on the backs of weevils and implanted in slugs that are then released in crop fields. The HPR Plus reader in conjunction with the BP portable, a metal detector type PIT tag antenna are then used to find the tagged individuals providing valuable data about location, distance travels and general movement habits.</p> <p>PRODUCTS USED:</p> <p>HPT8 tags, HPR Plus Reader &amp; BP Portable Antenna</p>
<p><b>DRAGONFLY</b></p>	<p>A project designed to study the dispersal of dragonflies at water stations was created using large cattle water troughs and flexible cord antennas suspended below the water surface.</p> <p>PRODUCTS USED:</p> <p>HPT12 tags, Biomark 601 Reader, IS1001 Master Controller, 12 IS1001 Readers w/ LED boards, 12 Cord antennas &amp; MTS power supply</p>
<p><b>PENGUINS</b></p>	<p>Specific conservation needs have been identified and scientists have agreed that the best approach for achieving current research goals and, in turn, monitoring results of conservation management efforts, is to utilize PIT tags and associated hand held and passive remote PIT tag detection antennas.</p> <p>PRODUCTS USED:</p> <p>Biomark RS420 stick reader, Biomark 601 Reader, Biomark IS1001, cord antennas, Biomark 12mm HPT12 pre loads, Biomark 12 mm GPT12 Sterile tags</p>



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