

M4: A Preview of the Next-Generation PTAGIS Interrogation Software

John Tenney

Pacific States Marine Fisheries Commission

John.Tenney@psmfc.org

M4 is the next-generation interrogation software developed by PTAGIS to replace and consolidate existing software systems providing automated monitoring of fish marked with an ISO PIT Tag at numerous sites located within the Columbia Basin Region. In addition to capturing and submitting over a million field observation records to the PTAGIS database each year, M4 will support separation-by-code operations by diverting target PIT-tagged fish when they are detected on groups of antennas located immediately upstream of sliding, swinging, or rotating gates. This software is designed to support a wide variety of community needs, such as operating on low power platforms for remote, in-stream detection sites to providing continuous uptime, data acquisition and process control within a network of tag readers and industrial devices at mainstem sites. M4 leverages the advanced technology available in the new PTAGIS database server and is just one example of the innovative and exciting developments from the PTAGIS team.