



NEWS RELEASE

SeaWorld's Killer Whales Live As Long As Their Wild Counterparts

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Peer-reviewed study published in the prestigious Journal of Mammalogy

ORLANDO, Fla., July 21, 2015 /PRNewswire/ -- A new peer-reviewed study published in the Journal of Mammalogy by the Oxford University Press adds important insights to the debate over how long killer whales in human care live. The study found no difference in life expectancy between killer whales born at SeaWorld and a well-studied population of wild killer whales.

The study, "Comparisons of life-history parameters between free-ranging and captive killer whale (*Orcinus orca*) populations for application toward species management," compares current published data for survival and reproductive activity of known-age Pacific Northwest killer whales since 1975 with the life history of killer whales in SeaWorld's care. The average life expectancy for SeaWorld's killer whales is 41.6 years; average life expectancies for Southern and Northern Resident killer whales are 29.0 and 42.3 years respectively.

Additionally, the study shows that average calf survival rate from approximately 6 months of age (i.e., age at first sighting) to age 2 in the Southern Resident killer whale population (79.9 percent) is significantly less than SeaWorld's average calf survival rate from 40 days to age 2 (96.6 percent). The study may be accessed and read in full by following this link: <http://jmammal.oxfordjournals.org/content/early/2015/07/09/jmammal.gyv113.article-info>

"Although emotion will always be a part of the debate as to whether killer whales, or any other species, should be maintained in human care, it is absolutely necessary to have validated facts when an argument for or against is being made on scientific grounds," said study author Kevin Willis, Vice President for Biological Programs for the Minnesota Zoo. "Based on the available data, it is now clear that it cannot be truthfully argued that killer whales

should not be maintained in captivity because they have a shortened life expectancy relative to their wild counterparts."

The objective of this study was to characterize and compare reproductive parameters and survivorship patterns of free-ranging killer whales in the Pacific Northwest and killer whales living at SeaWorld using methodologies previously published for zoological and free-ranging populations. The Northern and Southern Resident killer whale populations of the Pacific Northwest are the most studied and documented wild killer whales in the world. These new comparisons provide a novel metric from which comparisons with other populations can be made. They also shed new light on age estimates for the species as a whole.

"This article represents the first peer-reviewed publication that directly compares reproductive and survivorship patterns between captive and wild killer whales," said study author Todd Robeck, DVM, Ph.D., Vice President of Theriogenology for SeaWorld Parks & Entertainment.

"The results demonstrate unequivocally that killer whales in captivity have similar life expectancies to those in the wild and provide invaluable knowledge concerning normal reproductive patterns of this species. This information is imperative for developing management plans and directing future research efforts that are designed to protect wild killer whale populations."

The ability to study killer whales in controlled research settings in accredited zoological institutions like SeaWorld has provided most of the fundamental information known about the species' physiology including adaptations to diving; auditory detection, echolocation, and learning; reproductive physiology; growth and development; metabolic and energy requirements; and immune system function.

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SeaWorld Entertainment, Inc. (NYSE: SEAS) is a leading theme park and entertainment company delivering personal, interactive and educational experiences that blend imagination with nature and enable its customers to celebrate, connect with and care for the natural world we share. The Company owns or licenses a portfolio of globally recognized brands including SeaWorld®, Shamu® and Busch Gardens®. Over its more than 50-year history, the Company has built a diversified portfolio of 11 destination and regional theme parks that are grouped in key markets across the United States, many of which showcase its one-of-a-kind zoological collection of approximately 89,000 marine and terrestrial animals. The Company's theme parks feature a diverse array of rides, shows and other attractions with broad demographic appeal which deliver memorable experiences and a strong value proposition for its guests.

SeaWorld Entertainment, Inc. is one of the world's foremost zoological organizations and a global leader in animal welfare, training, husbandry and veterinary care. The Company collectively cares for what it believes is one of the

largest zoological collections in the world and has helped lead advances in the care of animals. The Company also rescues and rehabilitates marine and terrestrial animals that are ill, injured, orphaned or abandoned, with the goal of returning them to the wild. The SeaWorld rescue team has helped more than 26,000 animals in need over the last 50 years.

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