

# CETACEAN RESEARCH TECHNOLOGY

## INSTRUMENTATION FOR UNDERWATER SOUND AND BIOACOUSTICS

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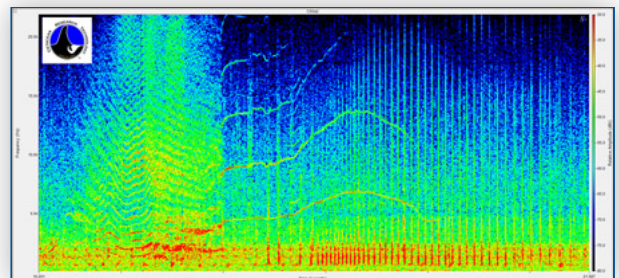
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## Springer (A73) Recordings near Vashon Island & Johnstone Strait

### Initial Contact

On 19 January 2002 in the Puget Sound waters between Seattle and Vashon Island, Joe Olson made what is believed to be the first recordings ever of an individual wild [killer whale](#) calf using a **CETACEAN RESEARCH™** C50a2, a predecessor of the [C57 hydrophone](#) .

The calf had been sighted a few days earlier by a ferry captain and reported to local whale researcher, Mark Sears. Ken Balcomb of the [Center for Whale Research](#) was asked to identify the whale and he didn't recognize it as belonging to the Southern



Springer 2002

◆ Web Resources

## Hydrophone Systems

### selection guide

Autonomous Recording & Acoustic Tags

Commercial Whale Watching hydrophone systems

Industrial, Engineering, Noise Monitoring hydrophone systems

Recreational, Tourism, Education, Art hydrophone systems

Research, Professional Audio hydrophone systems

## Hydrophone Systems Comparison Chart

Resident killer whale community. Mark then called for Joe's assistance to record the little whale's vocalizations.

Thanks to Joe's recordings and those made a few days later by Dr. David Bain, the whale was subsequently identified as a member of the Northern Resident killer whale

community — a population of orcas that traditionally never visits Puget Sound! The whale's scientific identification is A-73 and she had already been named *Springer* by Dr. Paul Spong of [OrcaLab](#) .

The first two recordings are good examples of the range of sounds that Springer was making on that cold winter day in 2002.

Notice the high background noise level. This is from [Washington State Ferries](#) because Springer had taken up residence in a major ferry lane! We have also included a recording of the sound of one of those Washington state ferries. The equipment used was a **CETACEAN RESEARCH™ C54 hydrophone** at a distance of 200m.

### 5 Years Later

On 14 July 2007, most of the people involved with returning Springer (A73) to her family met for a five-year reunion at Telegraph Cove, British Columbia. We took to the waters of Johnstone Strait aboard the M/V Gikumi skippered by Captain Jim Borrowman of [Stubbs Island Whale Watching](#) .

0:22 / 0:22

Springer 2002

0:48 / 0:48

WA state ferry

0:00 / 0:22

**T o o l s   f o r   S c i e n c e ,   E d u c a t i o n ,   A r t   a n d  
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