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CURRICULUM VITAE

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ORGANIZATION:
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PRESENT POSITION: Acoustic Engineer

EDUCATION: 2005 – B.S., Electrical Engineering, University of California, San Diego

EXPERIENCE:

2005 to date – Acoustic Engineer; Advanced Survey Technologies Program, Fisheries Resource Division; Southwest Fisheries Science Center, La Jolla, CA.

2004 – Engineering Intern; Alaska Native Technologies; Anchorage, AK.

2001 to 2005 – Computer Assistant; Highly Migratory Species Program, Fisheries Resource Division; Southwest Fisheries Science Center, La Jolla, CA.

RESEARCH INTERESTS: Research and development of advanced sampling methods for marine and riverine environments; Automated system control; Data synthesis, integration, and analysis; Fishery-independent surveys of pelagic and demersal communities; Software design for acoustic and survey related applications.

HONORS AND AWARDS: 2005 - Provost's Honors, Muir College, UCSD

PUBLICATIONS:

Renfree, J.S. and Demer, D.A., 2016. Optimizing transmit interval and logging range while avoiding aliased seabed echoes. *ICES Journal of Marine Science: Journal du Conseil*, p.fsw055.

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REPORTS:

Zwolinski, J.P., Demer, D.A. Macewicz, B.J., Cutter, G.R., Elliot, B.E., Mau, S.A., Murfin, D., **Renfree, J.S.**, Sessions, T.S., Stierhoff, K.L. 2016. Acoustic-trawl estimates of northern-stock Pacific sardine biomass during 2015. NOAA Technical Memorandum NMFS-SWFSC-559, 15 pp.

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OTHERS:

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