

Andrew John Titmus

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EDUCATION

Bamfield Marine Sciences Centre, Bamfield, British Columbia – Credit through:
University of Victoria, Victoria, British Columbia June – August 2007

Continuing undergraduate coursework in:
Biology of Marine Birds
Coastal Community Ecology

University of Puget Sound, Tacoma, Washington, 2002 – 2006

B.S. in Biology, concentrated in Marine Ecology, minored in Environmental
Studies

HONORS

Murdoch Scholar for Research in the Sciences, 2005
\$3000 Research grant

RESEARCH

Biology of Marine Birds Independent Research, Bamfield Marine Science Centre
(Instructors: Dr. Katie O'Reilly, Dr. Corey Garza) 2007

- Field study on the behaviors of Marbled Murrelets in association with a gillnet corkline
- Boat based observational surveys
- Analyses of diving behavior in regards to gillnet fisheries management
- Collaboration with CWS to prevent future fisheries bycatch

Coastal Community Ecology Research, Bamfield Marine Science Centre
(Instructor: Dr. K.C. Burns) 2007

- Study on the diversity and species composition of tidepools of differing size
- Exploration of the applicability of the theory of island biogeography and nestedness to a marine intertidal system
- Identification of marine invertebrates and algae within challenging field conditions

Pelagic Shark Research Foundation, Santa Cruz, California 2006 – 2007

- Assisted with long term study on population densities of rays and leopard sharks in Elkhorn Slough
- Net based tag-recapture program
- Study aimed at determining effect of agricultural runoff and water quality on elasmobranch sizes and densities

Undergraduate Thesis Research: Department of Biology, University of Puget Sound
(Advisor: Dr. Joel Elliott) 2005-2006

- Investigated the predation patterns of two intertidal sea stars: *Pisaster ochraceus*, *Evasterias trochelii* on Puget Sound mussel communities
- Field based surveys of sea star distribution, abundance and size relating to prey size and species choice
- Lab experiments on the interspecies relationships of *P. ochraceus* and *E. trochelii*

Undergraduate Environmental Studies Research: Tacoma Green Spaces Partnership,
University of Puget Sound and the Audubon Society 2005-2006
(Advisor: Dr. Daniel Sherman)

- Field based ecological assessment of diversity in McKinley Park, Tacoma
- Incorporated community based involvement in project and management issues
- GIS used to map different ecological areas of the green space

RELATED EXPERIENCE

Volunteer: Newport Hydrographic Line Seabird Survey, Oregon State University
2007

- Assisted Dr. Rob Suryan monitoring seabird species and abundance on a 25nm offshore transect

Teaching Assistant: Ecology, University of Puget Sound 2006

- Laboratory and field trips, emphasis on ecological methods and analysis

Volunteer: Washington Department of Fish and Wildlife 2005

- Long term monitoring of bioaccumulants in Puget Sound Harbor Seal populations
- Capture, restraint, weighing, tagging and branding of adult Harbor Seals

Environmental Health Technician: San Mateo County Environmental Health Department, California 2002-2003

- Water quality monitoring of coastal freshwater sources countywide
- Monitoring of state beaches for high fecal coliform levels

SKILLS

- PADI certified open water diver since 2005
- Certified in small craft operations
- ROV operations
- Open water ID for marine birds
- Marine mammal handling
- Experienced in experimental design and field data collection
- Experienced in GPS and the use of GIS ArcView
- Water quality monitoring to determine fecal coliform levels in coastal streams
- Scientific writing and research skills

REFERENCES

Dr. Katie O'Reilly, University of Portland, Portland, USA (503) 943-7146
Dr. Joel Elliott, University of Puget Sound, Tacoma, USA (253) 879-8593
Joanna Smith, PhD candidate, University of Washington, Seattle, USA (206) 221-5294
Dr. K.C. Burns, Victoria University, Wellington, NZ 0-4-463-6873
Dr. Corey Garza, University of Connecticut, NOAA, Storrs, USA (860) 405-9208
Dr. Daniel Sherman, University of Puget Sound, Tacoma, USA (253) 879-2862