

Brief Curriculum Vitae
(Last update: December, 2017)

ANAK PATTANAVIBOOL



KEY QUALIFICATIONS:

I have engaged in wildlife conservation and research in Thailand for almost 30 years. After receiving the BS in Wildlife Management from Kasetsart University I started my career with the Wildlife Conservation Division, Royal Forest Department (Now the Division is under the Department of National Parks, Wildlife, and Plant Conservation) as a park ranger in wildlife sanctuaries in Southern and Northern Thailand. Then I received a USAID scholarship to continue my graduate degree in Oregon State University and received a MS degree in Wildlife Science in 1993. I came back to work as wildlife biologist briefly before continuing the PhD degree in Geography (Environmental Geography) at University of Victoria, BC, Canada. After graduation and returning to Thailand, I worked as a wildlife biologist with the Western Forest Complex Ecosystem Management Project (WEFCOM) to map distributions of large mammals and birds. After the project ended I changed my career to teaching biology and conservation for a year in Department of Biology, Faculty of Science, Mahidol University. In October 2004 I started the work with WCS as a country program director with the opportunity to work with my colleagues in the government and universities to strengthen wildlife conservation and research in Thailand. During 2013-16 I took a full time position as a lecturer at Department of Conservation, Faculty of Forestry, Kasetsart University to focus on teaching and training next generations of wildlife and national park managers for Thailand and conduct research on wildlife and ecosystem restoration in protected areas in Western Forest Complex and other areas in Thailand. Then, I have returned to full time role of directing WCS Thailand Office for more than a year.

DATE OF BIRTH

May 9, 1963

CURRENT CONTACT

Wildlife Conservation Society Thailand Program
55/295 Muangthong Thani 5, Chaengwattana Road,
Pakkred, Nonthaburi 11120
THAILAND

EDUCATION:

BS, Wildlife Management, Kasetsart University, Bangkok, Thailand

MS, Wildlife Science, Oregon State University, Corvallis, USA

(Thesis title: *Single-tree Selection Silviculture Affects Cavity Resources in Mixed Deciduous Forests in Thailand*)

PhD, BioGeography, University of Victoria, British Columbia, Canada

(Dissertation title: *Wildlife Response to Habitat Fragmentation and Other Human Influences in Montane Evergreen Forest, Northern Thailand*)

PROFESSIONAL EXPERIENCE:

October 2004- present: **Director**, Wildlife Conservation Society Thailand Program. Leading the Thailand Program towards close collaboration with the government, academic institutes, local NGOs, with the primary goal to build and strengthen science-based conservation in Tenassarim landscape.

January 2013- June 2016, **Lecturer**, Department of Conservation, Faculty of Forestry, Kasetsart University. Training the next generations of wildlife and national park managers under wildlife and conservation biology discipline together with conducting research on ecology and wildlife conservation and restoration in protected areas with the Western Forest Complex is the target site.

2003-2004: **Lecturer**, Department of Biology, Mahidol University, work include teaching ecology and conservation biology for graduate and undergraduate students, and advising graduate student thesis research.

2000-2003: **Wildlife Biologist**, Western Forest Complex Ecosystem Management Project (WEFCOM), works include mapping large mammals and birds for WEFCOM , the largest protected area systems in mainland Southeast Asia, and training park rangers in wildlife survey.

1994-1999 Graduate study for PhD in Canada

1991-1993 Graduate study for MS in USA

1989-1990, **Superintendent**, Doi Laung Wildlife Sanctuary, northern Thailand, works include law enforcement on poachers and other illegal conducts, and public conservation awareness building.

1986-1989, **Superintendent**, Prince Chumphorn's Park Wildlife Sanctuary, southern Thailand, works include law enforcement on poachers and encroachers, conservation awareness building.

PROFESSIONAL AFFILIATION:

Member, Thailand National Wildlife Reservation and Protection Board (2 nd appointment)	2017-present
Member, Thailand National Park Board	2017-present
Member, Thailand National Environmental Board	2014-present
Member, Thailand National Wildlife Reservation and Protection Board (1 st appointment)	2010 - 2012
Member, Hornbill Research Foundation	2011 - present
Member, The Wildlife Society (USA)	1991 - present
Member, The Society for Conservation Biology (USA)	1991 - present
Member, American Institute of Biological Sciences	1996 - 2009

RESEARCH PUBLICATIONS:

INTERNATIONAL

- Karanth, K. U., J. D., Nichols, J. M. Goodrich, G. V. Reddy, V. D. Mather, W. P. Wibisono, S. Sunarto, **A. Pattanavibool**, and M. T. Gumal. 2017. Role of monitoring in global tiger conservation. Pages 1-13 in K. U. Karanth, and J. D. Nichols, eds. *Methods for monitoring tiger and prey populations*. Springer Nature Singapore.
- Karanth, K. U., J. M. Goodrich, D. G. Miquelle, K. Ramesh, A. Harihar, **A. Pattanavibool**, S. Sunarto, D. M. Rayan, and K. Tarpa. 2017. Tiger ecology in relation to monitoring issues. Pages 15-34 in K. U. Karanth, and J. D. Nichols, eds. *Methods for monitoring tiger and prey populations*. Springer Nature Singapore.
- N. S. Kumar, M. Puri, D. G. Miquelle, **A. Pattanavibool**, A. Harihar, S. Sunarto, S. Vaidyanathan, and K. U. Karanth. 2017. Field practices: Assessing tiger habitat occupancy dynamics. Pages 71-87 in K. U. Karanth, and J. D. Nichols, eds. *Methods for monitoring tiger and prey populations*. Springer Nature Singapore.
- N. S. Kumar, A. Harihar, H. J. O'Kelly, and **A. Pattanavibool**. 2017. Field practices: Estimating abundance of prey species using line transect sampling. Pages 121-136 in K. U. Karanth, and J. D. Nichols, eds. *Methods for monitoring tiger and prey populations*. Springer Nature Singapore.
- Duangchantrasiri, S., M. Umponjan, S. Simcharoen, **A. Pattanavibool**, S. Chaiwattana, S. Maneerat, N. S. Kumar, D. Jathanna, A. Srivathsa, and K. U. Karanth. 2016. Dynamics of a low-density tiger population in Southeast Asia in the context of improved law enforcement. *Conservation Biology* 30:639-648.
- Simcharoen, S., M. Umponjan, S. Duangchantrasiri, and **A. Pattanavibool**. 2014. Non-*Panthera* cat records from big cat monitoring in Huai Kha Khaeng Wildlife Sanctuary. *CATnews special issue* 8:31-35.
- Sitthichai, J, Y. Trisurat, **A. Pattanavibool**, C. Pisdamkham, S. Thongsikem, V. Veerasamphan, A. Kemp, and P. Poonsawad. 2014. Predictive distribution modeling of Rufous-necked hornbill (*Aceros nipalensis* [Hodgson, 1829]) in the core area of the Western Forest Complex, Thailand. *The Ruffe Bulletin of Zoology* 62:12-20.
- Trisurat, Y., V. Chimchome, **A. Pattanavibool**, S. Thong-Aree, B. Kanchanasakha, S. Simcharoen, K. Sribuarod, N. Mahannop, S. Jinamoy, and P. Poonswad. 2013. Assessing distribution and status of hornbill species in Thailand. *Oryx* 47:441-450.
- Asanok, D. marod, **A. Pattanavibool**, and T. Nakashizuka. 2012. Colonization of tree species along an interior-exterior gradient across the forest edge in a tropical montane forest, northwest Thailand. *Tropics* 21:67-80.
- Jotikapukkana, S., A. Berg, and **A. Pattanavibool**. 2010. Wildlife and human use of buffer-zone areas in a wildlife sanctuary. *Wildlife Research* 37:466-474.
- Trisurat, Y., **A. Pattanavibool**, G. A. Gale, and D. H. Reed. 2010. Improving the viability of large mammal populations by using habitat and landscape models to focus conservation planning. *Wildlife Research* 37:401-412.
- Walston J., Robinson J.G., Bennett E.L., Breitenmoser U., Fonseca G.A.B., Goodrich J., Gumal M., Hunter L., Johnson A., Karanth K.U., Leader-Williams N.,

- MacKinnon K., Miquelle D., **Pattanavibool A.**, Poole C., Rabinowitz A., Smith J.L.D., Stokes E.J., Stuart S.N., Vongkhamheng C. & Wibisono H. 2010. Bringing the Tiger Back from the Brink: The Six Percent Solution. *PLoS Biology* 8(9): e1000485. doi:10.1371/journal.pbio.1000485
- Trisurat, Y., and **A. Pattanavibool**. 2008. Assigning population viability for ecosystem management in the Western Forest Complex, Thailand. In M. S. Alonso, and I. M. Rubio. 2008. Ecological management: New research, Nova Publishers.
- Simcharoen, S., **A. Pattanavibool**, K. U. Karanth, J. D. Nichols, and N. S. Kumar. 2007. How many tigers *Panthera tigris* are there in Huai Kha Khaeng Wildlife Sanctuary, Thailand?: An estimate using photographic capture-recapture sampling. *Oryx* 41: 447-453.
- Pattanavibool, A.**, P. Dearden, and U. Kutintara. 2004. Habitat fragmentation in northern Thailand: a case study. *Bird Conservation International* 14:S13-S22.
- Round, P. D. and **A. Pattanavibool**. 2003. The discovery of the long-tailed wren babbler *Spelaeornis chocolatinus* in Thailand. *Bulletin of British Ornithological Club* 123:215-220.
- Pattanavibool, A.** 2002. Fragmentation and wildlife in Om Koi and Mae Tuen Wildlife Sanctuaries, Northern Thailand. Pages 327-348 in P. Dearden, editor. Environmental Protection and Rural Development in Thailand: Challenges and Opportunities. White Lotus Press, Thailand.
- Pattanavibool, A.**, and P. Dearden. 2002. Fragmentation and wildlife in montane evergreen forests, northern Thailand. *Biological Conservation* 107/2: 155-164.
- Pattanavibool, A.**, and W. D. Edge. 1996. Single-tree selection silviculture affects cavity resources in mixed deciduous forests Thailand. *Journal of Wildlife Management* 60: 67-73.

INTERNATIONAL CONFERENCE PAPERS

- Pattanavibool, A.**, T. Prayurasiddhi, S. Maneerat, S. Chaiwattana, S. Thongsikhem, W. O-Chakul, E. Stokes, K. Faengbubpha, J. Tifong, S. Jinamoy. 2014. Use of SMART for smart protection of tiger and elephant stronghold in Thailand. A paper presented at United for Wildlife Symposium, February 11-12, 2014, Zoological Society of London, London.
- Pattanavibool, A.**, S. Simcharoen, C. Pisdamkham, U. Karanth, A. Vedder. 2006. Strengthening science-based conservation for Thailand's world heritage site through tiger conservation and living landscape program. A poster presented at Society for Conservation Biology Annual Meeting, June 25-28, 2006, San Jose, CA.
- Pattanavibool, A.**, and Y. Trisurat. 2003. Mapping distributions of large mammals and birds for Thailand's western forest ecosystem management. A paper presented at 3rd International Wildlife Management Congress, December 1-5, 2003, Christchurch, New Zealand.
- Pattanavibool, A.**, and P. Poonswad. 2002. Habitat Fragmentation and Forest Bird Research and Conservation in Thailand. A paper presented at the International Ornithological Congress, August 11-17, 2002, Beijing, China.
- Pattanavibool, A.**, T. Prayulrasiddhi, Y. Trisurat. 2001. Rapid assessment of fauna for ecosystem management in Western Forest Complex in Thailand. A paper

presented at Society for Conservation Biology 15th Annual Meeting July 29 – August 1, 2001, Hilo, Hawaii.

Pattanavibool, A. 2001. Habitat Fragmentation and Forest Bird Research and Conservation in Thailand: A Case Study in Northern Thailand. A paper presented at the 3rd International Hornbill Workshop, May 9-18, 2001, Phuket, Thailand.

Pattanavibool, A., and P. Dearden. 1999. Wildlife response to habitat fragmentation and other human influences in tropical forests, northern Thailand. A paper presented at Society for Conservation Biology Annual Meeting, June 17 – 21, 1999, Maryland, USA.

Dearden, P., **A. Pattanavibool,** P. Uttayan. 1997. Wildlife conservation in Om Koi Wildlife Sanctuary, Thailand. A paper presented at Society for Conservation Biology Annual Meeting, July 13-16, 1998, Sydney, Australia.

Pattanavibool, A., and W. D. Edge. 1995. Single-tree selection silviculture affects cavity resources in mixed deciduous forests in Thailand. A paper presented at the Wildlife Society Second Annual Conference, September 12-17, 1995, Portland, Oregon, USA.

BOOKS AND MANUALS

Department of National Parks, Wildlife and Plant Conservation. 2017. Smart patrol manual for protected area management. Smart Patrol Project, Department of National Parks, Wildlife, and Plant Conservation, Bangkok, 201pp.

WCS Thailand. 2015. Smart patrol manual for protected area management. Saeng Maung Press, Bangkok, 201pp.

WCS Thailand. 2009. A manual for elephant population survey: Dung Methods. Saeng Muang Printing, 132pp (in Thai)

WCS Thailand. 2008. Smart patrol technique for protected area management. Saeng Muang Printing, 166pp (in Thai)

WCS Thailand. 2006. Gibbon population monitoring and habitat assessment technique. Saeng Muang Printing, 113pp (in Thai)

WCS Thailand. 2007. A manual for human-elephant conflict mitigation. Saeng Muang Printing, 88pp (in Thai)

WCS Thailand. 2005. Tiger and prey monitoring technique for patrolling units. Prueksirin Publishing, Bangkok, 139pp. (in Thai)

WCS Thailand. 2005. Wildlife identification handbook for law enforcement. USAID/East Asia and Pacific Environmental Initiative (EAPEI), 351pp. (in Thai)

Pattanavibool, A., T. Nakornchai, S. Vinitpornsawan, and K. Khewwan. 2002. Wildlife rapid ecological assessment technique manual. Western Forest Complex Ecosystem Management Project, Royal Forest Department, 98pp (in Thai)

PROJECTS (Only projects over US\$50,000 listed)

1. Liz Claiborne and Art Ortenberg Foundation; Wild tiger conservation in the Western Forest Complex, Thailand. 2009 – 2017: around US\$ 500,000/year.
2. US Fish and Wildlife Service (Great Apes Conservation Fund); Lar gibbon conservation and monitoring in Huai Kha Khaeng Wildlife Sanctuary, Thailand. 2016-18: around US\$ 50,000/year.
3. US Fish and Wildlife Service (Rhino and Tiger Conservation Fund) Tiger conservation in the Western Forest Complex 2010 – 2018: around US\$ 50,000/year.
4. US Fish and Wildlife Service (Asian Elephant Conservation Fund). Elephant conservation in the Western Forest Complex, Thailand 2008 – 2018: around US\$ 60,000/year.
5. US Fish and Wildlife Service (Asian Elephant Conservation Fund). Elephant conservation and human elephant conflicts in Kaeng Krachan National Park, Thailand. 2006 – 2018: around US\$ 60,165/year.
6. US Fish and Wildlife Service (Rhino and Tiger Conservation Fund) Tiger protection and population monitoring in the Kaeng Krachan National Park, Tenasserim – Western Forest Complex, Thailand 2010 – 2012: around US\$ 60,000.
7. National Fish and Wildlife Foundation – Save the Tiger Fund (NFWF-STF) Tiger conservation in Thung Yai East, Thailand. 2010 – 2012: US\$ 119,000.
8. National Geographic Society. Protecting the world’s most important tiger landscape. 2009-2010: US\$ 62,500
9. WCS Tigers Forever Project. Strengthening science-based conservation for tigers in WEFKOM Tenasserim landscape 2006-10: US\$ 750,000.
10. National Fish and Wildlife Foundation-Save the Tiger Fund (NFWF-STF): Strengthening science-based conservation and monitoring of tigers in the protected areas of the Tenasserim Range, Thailand: 2005-6. US\$~50,000.
11. BIOTEC - The characteristics of genetic of hornbills in fragmented forest landscape and their population and habitat status in Thailand (Co-researcher with Prof.Dr. Pilai Pooswad, Mahidol University; 2003-2007)
12. Government Budget – Habitat Fragmentation and Wildlife Status in Major Watersheds in Western Forest Complex. 2001-2005 (~200,000 Baht/year)
13. DANCED/WEFKOM Project Budget – Rapid Ecological Assessment of Fauna in the Western Forest Complex. 2000-2002 (600,000 Baht)
14. Biodiversity Research and Training Program (BRT) – Impacts of hilltribes of wildlife diversity abundance and distribution in northern Thailand. 1996-1998. US\$ 5,600 (197,000 Baht)
15. Earthwatch -- Impacts of hilltribes of wildlife diversity abundance and distribution in northern Thailand. 1996-present. 1996-1998. US\$ 16,800 (638,000 Baht)
16. USAID and Department of Fisheries and Wildlife, Oregon State University -- Single tree selection silviculture affects cavity resources in mixed deciduous forests, Huai Kha Khaeng Wildlife Sanctuary. 1993. US\$ 4,000 (100,000 Thai Baht)