



Confidential

Supervisor's Review of USB RIFCH PhD Thesis

Name of the PhD student: RNDr. Bořek Drozd	Name of supervisor: Assoc. Prof. Dipl.-Ing. Jan Kouřil, Ph.D.
Title of PhD thesis: Study of selected population parameters of weatherfish <i>Misgurnus fossilis</i> (Cypriniformes, Cobitidae): early life history and status of ploidy in fish from Lužnice River floodplain area	

OVERALL COMMENTARY ON THE PhD THESIS

M.Sc. Bořek Drozd has begun his Ph.D. study in October 2006. Bořek Drozd can be considered a diligent and purposeful student. Bořek Drozd has submitted his Ph.D. thesis on the topic of selected population parameters of weatherfish. The principal aims of the Ph.D. study and Ph.D. thesis as well were as followed: 1) to evaluate experimentally the sensitivity of embryonic and larval development in weatherfish to temperature and to find its real thermal requirements during the period from egg activation to the onset of exogenous feeding and 2) to elucidate the question which ploidy levels occur in natural weatherfish population.

Weatherfish belongs to fishes crucial for explanation of a river inundation areas' importance in respect to successful fish reproduction, as well as to distribution and dynamics of early developmental stages. In order to predict wild population dynamics and life demands of weatherfish for purposes of effective conservation management, the principal goals of the present Ph.D. thesis were an experimental evaluation of thermal sensitivity of early life history of weatherfish, as well as elucidation of the ploidy levels question in natural weatherfish population inhabiting the floodplain area of the Lužnice River. Inceptor showed an ability to suitable compile methods used in aquaculture, ichthyological and genetic research, and then to analyse and present achieved results in his Ph.D. thesis, which consists of particular scientific publications.

Above mentioned research activities of Bořek Drozd thus unambiguously evidenced on his ability of full acquaintance with study theme, ability of research hypotheses creation and skills of creative preparation, realization and solution of the complicated and sophisticated experiments individually as well as a member of research team. Results achieved within the Ph.D. thesis of Bořek Drozd were published in the international scientific journals with appropriate IF. Besides they were presented at national and international conferences as well as within scientific seminars at USB RIFCH. Bořek Drozd passed all prescribed exams in planned terms and met all other requirements including training stay and pedagogical praxis. Thus all requirements for successful finishing of Ph.D. study, which are laid down by appropriate obligatory as well as internal directives at training institution, were completed.

Therefore I am delighted to **recommend submitted Ph.D. thesis** of M.Sc. Bořek Drozd entitled „Study of selected population parameters of weatherfish *Misgurnus fossilis* (Cypriniformes, Cobitidae): early life history and status of ploidy in fish from Lužnice River floodplain area” **to defence**. In addition, I dare to presume that inceptor after Ph.D. finishing will at our faculty FFPW

FINAL RECOMMENDATION

- can be recommended for defence of PhD Thesis
- can be recommended with reservations for defence of PhD Thesis
- can not be recommended for defence of PhD Thesis

Vodňany , 28 April 2011

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Date and place


Assoc. Prof. Dipl.-Ing. Jan Kouřil, Ph.D.

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surname and signature