

# CONTENTS

	Page
Acknowledgement	c
Abstract in Thai	d
Abstract in English	f
List of Tables	j
List of Figures	l
Statement of Originality	p
Chapter 1 Introduction	1
Chapter 2 Literature Review	4
2.1 Caddisflies; Trichoptera	4
2.2 Trichoptera and man-made freshwater ecosystem	7
2.3 Affects to upstream and downstream	10
Chapter 3 Method	12
3.1 Sampling area; Mae Ngat Somboonchol dam	12
3.2 Site descriptions	12
3.3 Physicochemical water sampling	18
3.4 Trichoptera sampling and identification	20
3.5 Data analysis	23
Chapter 4 Results	24
4.1 Physicochemical water analyzed	24
4.2 Trichoptera assemblage	30
Chapter 5 Discussion	67
Chapter 6 Conclusion	71

References	74
Appendix	82
Appendix A	82
Appendix B	95
Appendix C	104
Curriculum vitae	154



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## LIST OF TABLES

		Page
Table 3.1	Physicochemical of water parameters method of sampling and procedure for analysis.	19
Table 4.1	Average and standard deviation of Physicochemical parameters of sampling sites in Mae Ngat Somboonchol dam during June 2013 - May 2014. (one way ANOVA $p < 0.05$ )	29
Table 4.2	Total number of larvae Trichoptera individuals, species richness, diversity index and evenness index in Mae Ngat Somboonchol dam during June 2013 - May 2014	36
Table 4.3	Total number of adult male Trichoptera individuals, species richness, diversity index and evenness index in Mae Ngat Somboonchol dam during June 2013 - May 2014.	46
Table 4.4	Comparison of abundance and occurrence of larvae and adult stage of Trichoptera in SU1 on Mae Ngat Somboonchol dam during June 2013 - May 2014.	49
Table 4.5	Comparison of abundance and occurrence of larvae and adult stage of Trichoptera in SU2 on Mae Ngat Somboonchol dam during June 2013 - May 2014.	50
Table 4.6	Comparison of abundance and occurrence of larvae and adult stage of Trichoptera in SD3 on Mae Ngat Somboonchol dam during June 2013 - May 2014.	51
Table 4.7	Comparison of abundance and occurrence of larvae and adult stage of Trichoptera in SD4 on Mae Ngat Somboonchol dam during June 2013 - May 2014.	52

Table 4.8	Comparison of abundance and occurrence of larvae and adult stage of Trichoptera in SD5 on Mage Ngat Somboonchol dam during June 2013 - May 2014.	53
Table 4.9	Comparison of abundance and occurrence of larvae and adult stage of Trichoptera in SD6 on Mage Ngat Somboonchol dam during June 2013 - May 2014.	54
Table 4.10	Comparison of abundance and occurrence of larvae and adult stage of Trichoptera in SD7 on Mage Ngat Somboonchol dam during June 2013 – May 2014.	55
Table 4.11	Species occurrence and abundance of adult male Trichoptera in Mae Ngat Somboonchol, compared with previous data from Thapanya <i>et al.</i> (2013)	56

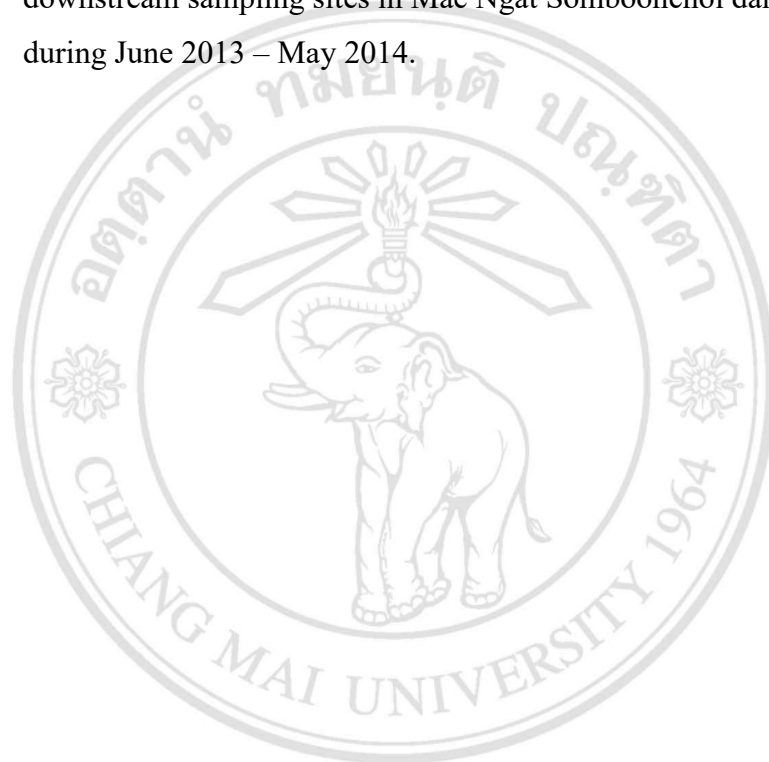
## LIST OF FIGURES

		Page
Figures 2.1	A framework for assessing the impact of dams on river ecosystems	10
Figures 2.2	Hydrological changes on dammed river.	11
Figures 3.1	All 7 sampling sites sorting by upstream to downstream.	15
Figures 3.2	Drawing map showed all sampling sites in Mae Ngat Somboonchol dam.	15
Figures 3.3	Upstream sampling site 1 (SU1) on August 2013.	16
Figures 3.4	Upstream sampling site 2 (SU2) on August 2013	16
Figures 3.5	Downstream sampling site (SD3) on September 2013.	16
Figures 3.6	Downstream sampling site 4 (SD4) on October 2013.	17
Figures 3.7	Downstream sampling site 5 (SD5) on September 2013.	17
Figures 3.8	Downstream sampling site 6 (SD6) on May 2014.	17
Figures 3.9	Downstream sampling site 7 (SD7) on May 2014.	17
Figures 3.10	Genitalia of a hypothetical <i>Cheumatopsyche</i> species on genital structures	22
Figures 3.11	Light pan trap for adult Trichoptera in sampling site.	22
Figures 4.1	Monthly of air temperatures (°C) of all sampling site in Mae Ngat Somboonchol dam during June 2013 - May 2014.	25
Figures 4.2	Monthly of water temperatures (°C) of all sampling site in Mae Ngat Somboonchol dam during June 2013 - May 2014.	25
Figures 4.3	Monthly total dissolved solid (TDS: mg/l – bar graph) and conductivity: $\mu\text{s}/\text{cm}$ – line graph) of all sampling sites in Mae Ngat Somboonchol dam during June 2013 – May 2014.	26

Figures 4.4	Monthly of pH of all sampling site in Mae Ngat Somboonchol dam during June 2013 - May 2014.	26
Figures 4.5	Monthly of DO (mg/l) of all sampling site in Mae Ngat Somboonchol dam during June 2013 - May 2014.	27
Figures 4.6	Monthly of BOD <sub>5</sub> (mg/l) of all sampling site in Mae Ngat Somboonchol dam during June 2013 - May 2014.	27
Figures 4.7	Monthly water nutrients (mg/l) of sampling sites in Mae Ngat Somboonchol dam during June 2013 – May 2014	28
Figures 4.8	The dendrogram of cluster analysis based on the correlation of water parameter among all sampling sites in Mae Ngat Somboonchol dam from June 2013 – May 2014.	30
Figures 4.9	Numbers of individuals of larvae Trichoptera in SU1, Mae Ngat Somboonchol dam during June 2013 – May 2014	31
Figures 4.10	Numbers of individuals of larvae Trichoptera in SU2, Mae Ngat Somboonchol dam during June 2013 – May 2014.	32
Figures 4.11	Numbers of individuals of larvae Trichoptera in SD3, Mae Ngat Somboonchol dam during June 2013 – May 2014.	33
Figures 4.12	Numbers of individuals of larvae Trichoptera in SD4, Mae Ngat Somboonchol dam during June 2013 – May 2014.	33
Figures 4.13	Numbers of individuals of larvae Trichoptera in SD5, Mae Ngat Somboonchol dam during June 2013 – May 2014.	34
Figures 4.14	Numbers of individuals of larvae Trichoptera in SD6, Mae Ngat Somboonchol dam during June 2013 – May 2014	35
Figures 4.15	Numbers of individuals of larvae Trichoptera in SD7, Mae Ngat Somboonchol dam during June 2013 – May 2014.	35
Figures 4.16	The dendrogram of cluster analysis based on larvae Trichoptera diversity and abundance among all sampling sites in Mae Ngat Somboonchol dam from June 2013 – May 2014.	36
Figures 4.17	Number of larvae individuals (dotted graph) and water depth (bar graph) monthly found during June 2013 – May 2014 in Mae Ngat Somboonchol dam	37

Figures 4.18	The comparison of number of individuals and species richness in SU1 during June 2013 – May 2014.	39
Figures 4.19	The comparison of number of individuals and species richness in SU2 during June 2013 – May 2014.	40
Figures 4.20	The comparison of number of individuals and species richness in SD3 during June 2013 – May 2014.	41
Figures 4.21	The comparison of number of individuals and species richness in SD4 during June 2013 – May 2014.	42
Figures 4.22	The comparison of number of individuals and species richness in SD5 during June 2013 – May 2014.	43
Figures 4.23	The comparison of number of individuals and species richness in SD6 during June 2013 – May 2014.	43
Figures 4.24	The comparison of number of individuals and species richness in SD7 during June 2013 – May 2014.	44
Figures 4.25	Monthly in species richness of Trichoptera between all sampling sites in Mae Ngat Somboonchol dam during June 2013 – May 2014.	45
Figures 4.26	Monthly in abundance of adult male Trichoptera between all sampling sites in Mae Ngat Somboonchol dam during June 2013 – May 2014.	46
Figures 4.27	Comparison of average water width (m) between upstream and downstream sampling sites in Mae Ngat Somboonchol dam during June 2013 – May 2014.	64
Figures 4.28	Comparison of average water depth (cm) between upstream and downstream sampling sites in Mae Ngat Somboonchol dam during June 2013 – May 2014.	65
Figures 4.29	Comparison of average water velocity (m/s) between upstream and downstream sampling sites in Mae Ngat Somboonchol dam during June 2013 – May 2014.	65

- Figures 4.30 Comparison of average larvae family richness and number of individuals between upstream and downstream sampling sites in Mae Ngat Somboonchol dam during June 2013 – May 2014. 66
- Figures 4.31 Comparison of average adult male of Trichoptera family richness and number of individuals between upstream and downstream sampling sites in Mae Ngat Somboonchol dam during June 2013 – May 2014. 66



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## ข้อความแห่งการริเริ่ม

- 1) วิทยานิพนธ์นี้ ได้นำเสนอความรู้เกี่ยวกับการเปลี่ยนแปลงทางความหลากหลายและความอุดม  
แมลงหนองปลอกน้ำในแม่น้ำที่ถูกควบคุมการไหล โดยเขื่อนแม่งัดสมบูรณ์ชล ซึ่งแมลงหนอง  
ปลอกน้ำเป็นแมลงที่มีระยะตัวอ่อนอาศัยอยู่ในน้ำ และตัวเต็มวัยอาศัยอยู่บนบก
- 2) เพื่อเพิ่มฐานข้อมูลชนิดของแมลงหนองปลอกน้ำในประเทศไทยให้ครอบคลุมมากขึ้น การเก็บ  
ข้อมูลของแมลงหนองปลอกน้ำจากแหล่งน้ำที่มีมนุษย์ควบคุมยังมีการศึกษาน้อย ซึ่งข้อมูลใน  
วิทยานิพนธ์นี้ แสดงให้เห็นความเปลี่ยนแปลงของกลุ่มประชากรของแมลงหนองปลอกน้ำที่  
แตกต่างกันระหว่างพื้นที่เหนือเขื่อนและท้ายเขื่อน จะนำไปสู่ความเข้าใจของผลกระทบจากการ  
ควบคุมการไหลของน้ำ อันจะนำไปสู่การอนุรักษ์ทรัพยากรแหล่งน้ำจืดโดยใช้แมลงหนองปลอก  
น้ำ หรือสิ่งมีชีวิตขนาดเล็กเป็นดัชนีชี้วัดต่อไป

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## STATEMENTS OF ORIGINALITY

- 1) The knowledge of changes on diversity and abundance of Trichoptera from water regulation by Mae Ngat Somboonchol dam, which larvae stage lived in water and adults are terrestrial insects.
- 2) To fill up the Thai Trichoptera database. This study will show the changes of Trichoptera that vary between upstream and downstream of the dam and will lead to a better understanding of input of the regulated river. This will contribute to the conservation of freshwater ecosystem used by Trichoptera or macroinvertebrate as bioindicators.



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