

APPENDIX

Appendix A. Procedure used to extract lipids from trout liver.

1. The tissue (1 g) was homogenized with methanol (10 ml) for 1 minute in a blender.
2. Chloroform (20 ml) was added and the homogenization continued for 2 minutes more.
3. The mixture was filtered, and the solid remaining was re-suspended in chloroform-methanol (2:1 by volume, 30 ml) and homogenized for 3 minutes.
4. The solid was filtered again and re-washed with fresh solvent.
5. The combined filtrates were transferred to a measuring cylinder, one fourth of the total volume of 0.88 % potassium chloride in water was added, and the mixture was shaken thoroughly before being allowed to settle.
6. The aqueous (upper) layer was drawn off by aspiration, one fourth of the volume of the lower layer of methanol-saline solution (1: 1, v/v) was added and the washing procedure was repeated.
7. The bottom layer containing the purified lipid was filtered before the solvent was removed on a rotary film evaporator.
8. The lipid was stored in a small volume of chloroform at -20 C until it was ready to be analyzed.

Appendix B. Variables used to construct a yearly maintenance energy budget.

<u>Month</u>	<u>Hours</u>	<u>Temp</u> <u>(°C)</u>	<u>MI O₂ g⁻¹ hr⁻¹</u>
May – August	15 inact	20	0.096
	9 act	30	0.345
September	16 inact	20	0.096
	8 act	30	0.345
October	16 inact	20	0.096
	8 act	30	0.240
November – April	16 inact	10	0.020
	8 act	30	0.240
December – March	20 inact	10	0.020
	4 act	30	0.240