

APPENDIX 2

Terms of Reference for the Advisory Panel on *Iron fertilization experiment in the subarctic Pacific Ocean*

The original Terms of Reference (items 1 to 3 below) were approved at the PICES Eighth Annual Meeting (October 1999, Vladivostok, Russia). The Terms of Reference were expanded to include item 4, below, at the PICES Thirteenth Annual Meeting (October 2004, Honolulu, U.S.A.).

1. Examine the reasoning for a subarctic iron enhancement experiment;
2. Examine the scale, disciplines, and resources (personnel and ships) required ensuring success of the experiment;
3. Design the experiment and its timing, particularly, the suite of chemical measurements and forms of iron, the biological parameters, the tracking of the spread of iron-induced bloom using SF₆ tracer
4. To synthesize, compare and contrast the results of conducted experiments (SEEDS-I & II and SERIES), and to develop new experimental strategies and hypotheses to explain the different biogeochemical responses to iron enrichment.