

CONTENTS

Foreword ix

Preface xv

Part I THE UNKNOWN: WHY A CENSUS? 1

- 1 Planet Ocean 3
- 2 The ocean environments 23
- 3 A riot of species from microbes to whales 45

Part II THE KNOWN: WHAT HAS THE CENSUS LEARNED? 69

- 4 New ways of seeing deeper and farther 71
- 5 Around the ocean rim 95
- 6 At the ends of the Earth 121
- 7 Ocean life in motion 145
- 8 Into the deep 175
- 9 Changing ocean 211

Part III FROM UNKNOWN TO UNKNOWABLE 231

- 10 Planet Ocean beyond 2010 233

Figure credits 249

Index 255