

APPLICATION OF THE ECOSYSTEM DIAGNOSIS AND TREATMENT METHOD TO
COHO SALMON IN THE HOOD CANAL WATERSHED

Prepared by

Melinda L. Rowse
Lawrence C. Lestelle*
Chris Weller
and
Chris Amato

Technical Report
Point No Point Treaty Council
Kingston, WA

January 2001

* Mobrand Biometrics, Inc., Vashon Island, WA.

TABLE OF CONTENTS

	<u>PAGE</u>
List of Tables	iv
List of Figures	v
List of Appendices	viii
List of Participants	ix
 EXECUTIVE SUMMARY	 xi
 Part I. INTRODUCTION	 1
I.A. OBJECTIVES AND APPLICATION	2
I.B. APPROACH	3
I.C. ORGANIZATION OF REPORT	3
 Part II. OVERVIEW OF THE ECOSYSTEM DIAGNOSIS AND TREATMENT (EDT)	
APPROACH	5
II.A. PREMISES	5
Ecosystem Strategy	5
Diagnostic Species	5
Sustainability	5
Scientific Method	6
Adaptive Management	6
II.B. EDT COMPONENTS	6
Tasks	7
Theory	7
Tools	7
II.C. CONCEPTUAL FRAMEWORK	7
II.C.(1) Linking Actions to Outcomes	8
II.C.(2) Biological Performance	8
 Part III. DESCRIPTION OF THE HOOD CANAL BASIN	 12
North Hood Canal	14
East Hood Canal	14
South Hood Canal	14
Skokomish River	14
West Hood Canal	20
 Part IV. METHODS	 22
IV.A. EDT METHODOLOGY AS APPLIED TO HOOD CANAL COHO	
SALMON	22
IV.B. INFORMATION SUMMARIZATION	22
IV.C. PATIENT - TEMPLATE ANALYSIS (PTA)	23
IV.C.(1) PTA Process	23