

Structure of Argument

USFWS, PIFWO, Honolulu

Species Report Outline

i)	Executive Summary	Thesis statement: What is the species viability?
ii)	Abbreviations	
iii)	Table of Contents	

1. Introduction

1.1.	<i>Introduction</i>	Context: 1) What happened to make the document necessary?
1.2.	<i>State the SSA version (e.g. initial prior to listing) and any relevant listing or regulatory history</i>	
1.3.	<i>State the species</i>	
1.4.	<i>State where the species resides</i>	
1.5.	<i>SSA methodology</i>	Context: 2) What is the author's role in writing the document
1.5.1.	<i>Overview the SSA framework</i>	
1.5.2.	<i>Summarize the benefits of the framework</i>	
1.5.3.	<i>Identify which version of the SSA framework was used (e.g. v. 3.4 August 2014)</i>	
1.5.4.	<i>Define how the framework's conceptual model was applied (i.e. the 3Rs leading to viability)</i>	
1.5.5.	<i>Describe other general methodologies used (e.g. literature review and expert elicitation)</i>	

2. Species Needs

2.1.	<i>Introduction</i>	Summary	
2.2.	<i>BRIEF physical description (1 sentence)</i>	Description	Claim ** Evidence ** Analysis ** Address Uncertainty **
2.3.	<i>Species taxonomy (first described, common name, scientific name)</i>		Manage Counterclaims
2.4.	<i>Evolution for context</i>	Cause	
2.5.	<i>Materials and methods if appropriate (i.e. different or more specific than intro, but only if needed)</i>	Context	
2.6.	<i>Life cycle and individual needs (diagram, table, and short narrative; include key demographics such as survival rate, egg production, etc.)</i>	Description	Claim ** Evidence ** Analysis **

2.7. <i>Population (influence diagram of resilience and short narrative)</i>	Description / Cause	Address Uncertainty ** Manage Counterclaims
2.8. <i>Species (influence diagram of representation and redundancy and short narrative)</i>		

3. Current Condition		
3.1. <i>Introduction</i>	Summary	
3.2. <i>Materials and methods - how was the current condition assessed?</i>	Context	
3.3. <i>Historic (think decades) for context and to show changes and current</i>		
3.3.1. <i>Include range and distribution (historic and current).</i>	Description **	Claim ** Evidence **
3.3.2. <i>Include types of habitat used (historic and current).</i>	Comparison / Contrast	Analysis ** Address
3.3.3. <i>Identify whether habitats vary by season or life stage.</i>	** Causal	Uncertainty ** Manage Counterclaims
3.3.4. <i>Identify food sources.</i>		
3.3.5. <i>Describe reproduction.</i>		
3.4. <i>Factors Influencing Species Viability</i>		
3.5. <i>Describe current condition by population or other unit</i>	Summarize claims	
3.6. <i>Summarize major reasons for current condition .</i>	leading to thesis.	
3.7. <i>Summarize current conditions across range.</i>		