

SEATAC Member Case Notes

Biological Constraint Analysis (BCA)

The following chart can be used to keep track of review notes for BCA's submitted for a SEA Permit.

BCA Topic Areas	Pg No	Notes
I. COVER / SPINE / TITLE PAGE		
A. Project Name		
B. County identification No. (Project number, CUP number, APNs)		
C. Applicant name and contact information		
D. SEA name(s)		
E. Name of head biologist and consulting company directive information		
F. Date of report		
II. INTRODUCTION		
A. Project Description		
1. Project name, type of report, address of project		
2. County application identification numbers including APNs		
3. Applicant name and contact information		
4. SEA name(s)		
5. Supervising biologist, company, directive information		
6. Parcel and Acreage Table (for more than one parcel)		
7. Location		
a) Map of regional features in vicinity showing project location; all drainages and wetlands referenced in text must be shown on a map		
b) Color USGS topographic map with outline of project parcels, SEA, open space resource areas, etc.; scale about 1:24000		
c) Color vertical aerial showing project parcels, SEA, open space, etc.		
B. Description of Natural Geographic Features		
1. Summary of known biological resources including relation to:		

<ul style="list-style-type: none"> a) Landforms and geomorphology b) Drainage and wetland features c) Soils; include soil map d) Vegetation communities e) SEA criteria and resources 		
2. Color site photography with keys		
3. Summary of biological resources and pertinent literature review		
C. Methodology of Biological Survey		
1. Table of surveys (surveys approximately 1 year old or more recent)		
2. Text description of survey methods		
3. Table of information on biologist(s) and other contributors for BCA; appendix of contributors' experience		
4. Proof of permits or Memoranda of Understanding for trapping shall be in the appendix.		
III. BIOLOGICAL CHARACTERISTICS OF THE SITE		
A. Vegetation Data and Descriptions		
1. Vegetation map of Sawyer, Keeler-Wolf, Evens (2009) alliances and associations of vegetation types, relevant locations		
2. Vegetation cover table		
3. Map of trees (for jurisdictional oaks, State and County, an oak tree report will be needed. Oak tree reports will be in an appendix.)		
4. Summary of vegetation site habitats in relation to soil, sensitivity, rainfall, potential for impact (Only necessary if there is a possibility of rare plant occurrences that would be made possible by the presence of some important soil type or geological formation)		
5. CD/DVD of georeferenced files for vegetation data as ESRI .shp including metadata (may be combined with other project data on CD/DVD)		
B. Fauna and Flora Sensitive Species Tables and Discussion		
1. Table of sensitive species known from the region, sensitivity rankings, habitat requirements, and likelihood of occurrence on site—with rationale for likelihood determination.		

2. Table of break points on rough estimate of population size (appendix)		
3. Paragraphs for each sensitive species on characteristics that might lead to project impact. Listed species paragraphs in separate section.		
C. Maps of occurrence for sensitive species		
D. Wildlife movement/habitat linkage analysis with map of site and movement areas		
E. Floral and faunal compendia (all plant and animal species observed directly or indirectly on site, and for animals, in adjacent areas of similar habitat), updated for latest observation if multiple versions of the BCA are submitted, version date		
F. All voucher collections shall be deposited in an appropriate, recognized public institution, and shall be tabulated in the floristic and faunal lists.		
IV. CHARACTERISTICS OF THE SURROUNDING AREA		
A. Description of Existing Land Uses in the Project Area		
B. Table of development projects in the vicinity and summary discussion (acreage, units, etc.)		
C. Map of land uses		
D. Description of Open space reserves in the area and depiction of wildlife movement/habitat linkage relationships to open space. Include known conservation easements in perpetuity. Refer to maps II.A.7		
E. Reference to and relationship to any conservation plans in the vicinity		
F. Description of Habitats, alliances, associations and vegetative communities in the vicinity with respect to those on site		
G. Rough estimates of the overall population sizes of species of flora and fauna on site and in vicinity		
H. Description of overall biological value of the area: fit to the biotic mosaic; contribution to surrounding area and SEA ecological functions		
V. CONCLUSION		

A. Regulatory framework		
B. Summarized biological data with respect to regulatory framework		
C. Constraints map(s)		
D. Explicit statement of SEA/SERA/ESHA acreages total and in project parcels; explicit statement of length of watersheds on project parcels and total; potential affected area of watercourses		
E. Recommendations for further studies needed to prepare Biota Report		
VI. BIBLIOGRAPHY		
A. Bibliography of references cited in text		
B. Bibliography of general references used to prepare document but not cited		
VII. APPENDICES [as appropriate]		
A. Table of biologists and other contributors; Preparer and other contributor qualifications; permits, MOUs		
B. Vegetation alliance relevant data		
C. Oak Tree Report for sites with jurisdictional native oak trees (5" DBH and larger)		
D. Focused and floristic survey reports.		
E. Floral and faunal compendia		
F. Copies of meeting minutes from previous SEATAC/ERB reviews of project		
G. Correspondence with State and Federal trustee agencies		
H. Completed BCA Checklist (this table)		
I. Digital Copies of BCA as .pdf for final version; georeferenced files of vegetative data and sensitive species occurrences.		