



bmsc

BAMFIELD MARINE
SCIENCES CENTRE



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SCIENCES CENTRE



bamfieldmsc.com



bmsc

BMSC Biodiversity Database

- developed by staff familiar with Biotics and biodiversity data
- could be customized for use by other field stations etc.





Bamfield Marine Sciences Centre

Biodiversity Database

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Welcome to the BMSC Biodiversity Database

- This database supports research and teaching at BMSC.
- Data covers the period 1972 to present, and include information about plants and animals in terrestrial, freshwater and marine environments of Barkley Sound.
- Animals collected for research or teaching must be recorded in this database.
- Noteworthy observations, both positive and negative, are encouraged.

| | |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Collections | Record what you collected |
| Observations | Record what you saw, or looked for but didn't find |
| Reports | List species known to occur in Barkley Sound, as well as where and when they were collected or observed. Find BMSC publications about specific organisms. |
| Help | Instructions for recording collections and observations |
| Contact Us | Need access or have information you think would be helpful? |



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Reports

[Collections /
Observations](#)

Mapped locations of collections and observations

[Species](#)

Lists of species found in Barkley Sound, with related BMSC publications



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Search Criteria

Help

Search

Reset

Species ✓

Species Group: **Birds**

- Scientific Name
- English Name

Inc Synonyms:

Name:

Additional

Results: 183 records

| Scientific Name | English Name | Taxon Level | Barkley Sound | Sensitive | Breeding Bird | Exotic | Species Code |
|----------------------------------|-----------------------|-------------|-------------------------------------|--------------------------|-------------------------------------|--------------------------|--------------|
| <i>Accipiter gentilis</i> | Northern Goshawk | Species | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | B-NOGO |
| <i>Accipiter striatus</i> | Sharp-shinned Hawk | Species | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | B-SSHA |
| <i>Actitis macularius</i> | Spotted Sandpiper | Species | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | B-SPSA |
| <i>Aechmophorus occidentalis</i> | Western Grebe | Species | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | B-WEGR |
| <i>Aegolius acadicus</i> | Northern Saw-whet Owl | Species | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | B-NSWO |
| <i>Agelaius phoeniceus</i> | Red-winged Blackbird | Species | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | B-RWBL |
| <i>Aix sponsa</i> | Wood Duck | Species | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | B-WODU |
| <i>Anas acuta</i> | Northern Pintail | Species | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | B-NOPI |
| <i>Anas americana</i> | American Wigeon | Species | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | B-AMWI |
| <i>Anas clypeata</i> | Northern Shoveler | Species | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | B-NOSL |

Export as: [Excel](#)

Search Criteria

Help

Search

Reset

Species ✓

Species Group:

- Scientific Name
- English Name

Inc Synonyms:

Name:

Additional

Results: 1 records

| Scientific Name | English Name | Taxon Level | Barkley Sound | Sensitive | Breeding Bird | Exotic | Species Code |
|-----------------|----------------|-------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------|
| Cancer magister | Dungeness Crab | Species | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |

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Export as: [Excel](#)

Species Summary

| | | | | | | | | |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------|-----------------|--------------|-----------------|---------------|--------------|
| Scientific Name: | Cancer magister | | | | | | | |
| English Name: | Dungeness Crab | | | | | | | |
| Synonyms: | Metacarcinus magister (Scientific Name) Edible Cancer Crab (English Common Name) Common Edible Crab (English Common Name) Edible Crab (English Common Name) Pacific Edible Crab (English Common Name) Pacific Crab (English Common Name) Market Crab (English Common Name) Commercial Crab (English Common Name) | | | | | | | |
| Taxon Level: | Species | | | | | | | |
| Kingdom | Phylum | Subphylum | Class | Subclass | Order | Suborder | Family | Genus |
| Animalia | Arthropoda | Crustacea | Malacostraca | Eumalacostraca | Decapoda | Pleocyemata | Cancridae | Cancer |
| General Habitat: | Marine:Yes Freshwater:No Terrestrial:No | | | | | | | |
| Barkley Sound: | Yes | | | | | | | |
| Sensitive: | No | | | | | | | |
| Breeding Bird: | No | | | | | | | |
| Exotic: | No | | | | | | | |
| Species Code: | | | | | | | | |
| Summer presence: | | | | | | | | |
| Winter presence: | | | | | | | | |
| CCAC Report: | No | | | | | | | |
| BMSC Track: | Yes | | | | | | | |
| Track comments: | | | | | | | | |

Reports and References

- Airriess, C.N. and McMahon, B.R. 1992. Aminergic modulation of circulatory performance in the crab, *Cancer magister*. *Comp. Physiol* 11: 123-131.
- Airries, C.N. and McMahon, B.R. 1994. Cardiovascular adaptations enhance tolerance of environmental hypoxia in the crab *Cancer magister*. *J. Exp. Bio.* 190: 23-41.
- McGaw, I.J., Airriess, C.N. and McMahon, B.R. 1994. Peptidergic modulation of cardiovascular dynamics in the Dungeness crab, *Cancer magister*. *J. Comp. Physiol. B* 164: 103-111.
- Airriess, C.N. 1994. Cardiovascular function and its control in the Dungeness crab, *Cancer magister*. Ph.D. thesis, University of Calgary, Calgary, Alta.
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- Airriess, C.N.; McMahon, B.R. 1996. Short-term emersion affects cardiac function and regional haemolymph distribution in the crab "*Cancer magister*". *J. Exp. Biol.* 199:569-578.
- De Wachter, B.; McMahon, B.R. 1996. Haemolymph flow distribution, cardiac performance and ventilation during moderate walking activity in "*Cancer magister*" (*Dana*) (Decapoda, Crustacea). *J. Exp. Bio*
- De Wachter, B.; Wilkens, J.L. 1996. Comparison of temperature effects on heart performance of the Dungeness crab, "*Cancer magister*", "in vitro" and "in vivo" *Biol. Bull.* 190:385-395.
- McGaw, I.J.; McMahon, B.R. 1996. Cardiovascular responses resulting from variation in external salinity in the dungeness crab, "*Cancer magister*". *Physiol. Zool.* 69:1384-1401.
- Mak, E.M.T.; Lovell, P.; Chu, K.H.; McMahon, B.R. 1996. Effects of acetylcholine infusion on cardiovascular performance and regional blood flow in the crab, "*Cancer magister*". *Amer. Zool.* 36:38A.
- McGaw, I.J.; McMahon, B.R. 1998. Endogenous rhythms of haemolymph flow and cardiac performance in the crab "*Cancer magister*". *J. Exp. Mar. Biol. Ecol.* 224:127-142.
- Palmer, A.R.; Taylor, G.M.; Barton, A. 1999. Cuticle strength and the size- dependence of safety factors in "*Cancer*" crab claws. *Biol. Bull.* 196:281-294.
- Taylor, G.M. 1999. The biomechanics and evolution of "*Cancer*" crab claws. Ph.D. thesis, University of Alberta, Edmonton, AB.
- Taylor, G.M.; Palmer, A.R.; Barton, A.C. 2000. Variation in safety factors of claws within and among six species of *Cancer*' crabs (Decapods: Brachyura) *Biol. J. Linn. Soc.* 70:37-62.
- McGaw, I.J., McMahon, B.R. 2003. Balancing tissue perfusion demands: cardiovascular dynamics of *Cancer magister* during exposure to low salinity and hypoxia. *Journal of Experimental Zoology* 295A: 57-



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Reports

| | |
|--------------------------------------------|-------------------------------------------------------------------------|
| Collections / Observations | Mapped locations of collections and observations |
| Species | Lists of species found in Barkley Sound, with related BMSC publications |



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Search Criteria

Help

Search

Reset

Spatial Filter ✓

Enable:

Location:

Latitude / Longitude:

48° 54.000' N / 125° 18.000' S

Radius (km):

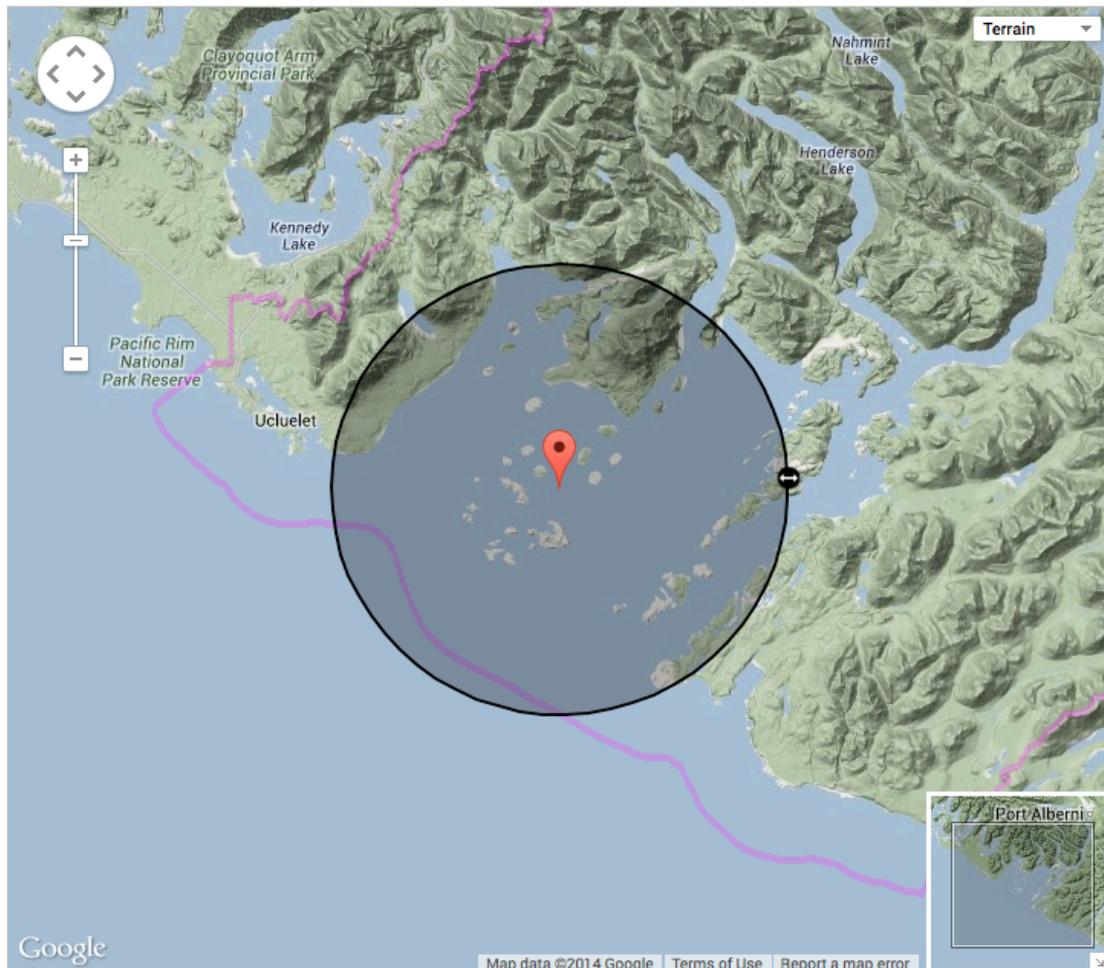
[Reset Search Area to current zoom](#)

Species

Date Range

Survey Type

Site Parameters



Search Criteria [Help](#)

[Search](#) [Reset](#)

Spatial Filter ✓

Enable:

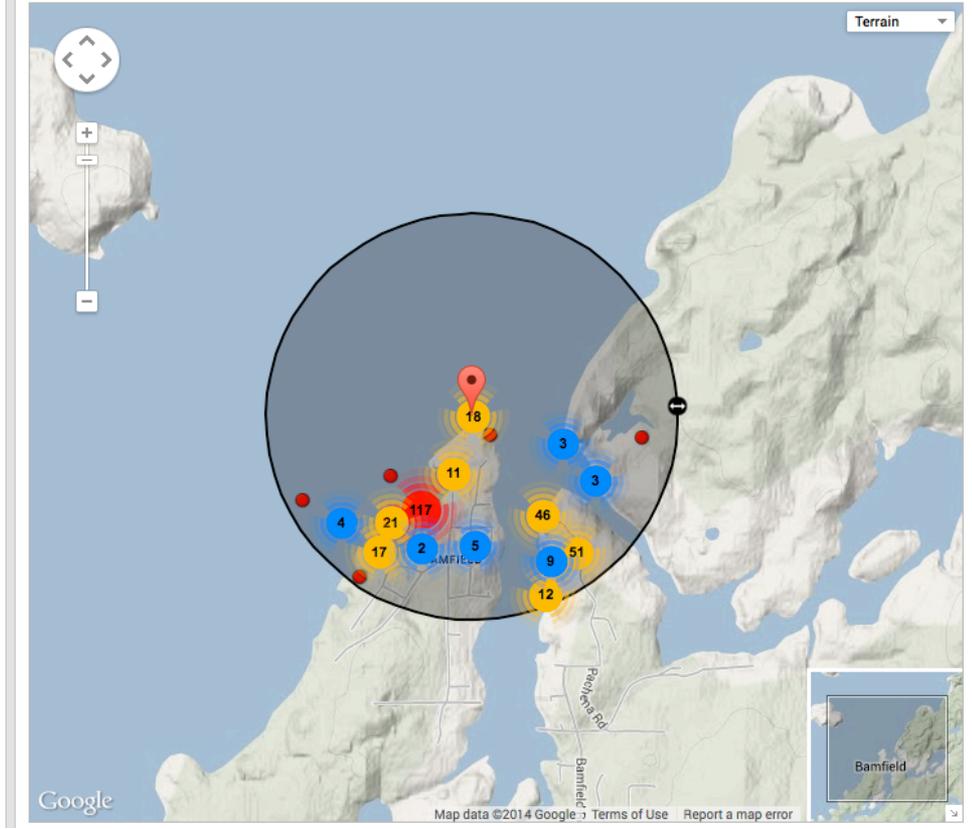
Location:

Latitude / Longitude:
 48° 50.381' N / 125° 8.477' S

Radius (km):

[Reset Search Area to current zoom](#)

- Species ✓
- Date Range
- Survey Type
- Site Parameters



Results: 324 records

| Scientific Name | English |
|--------------------|------------|
| Amphipoda | Amphipods |
| Balanus amphitrite | |
| Balanus glandula | Common Aco |
| Balanus glandula | Common Aco |

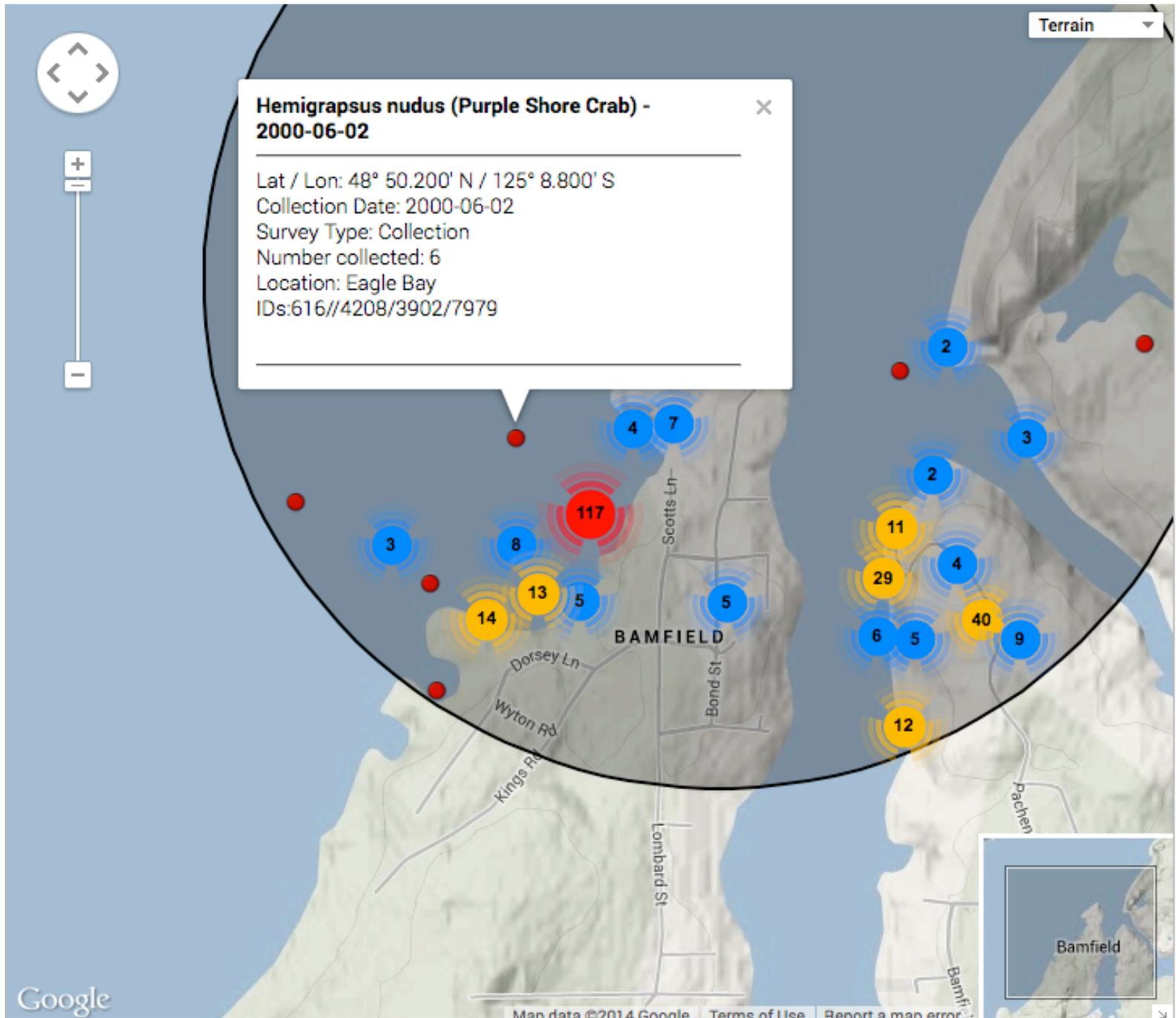
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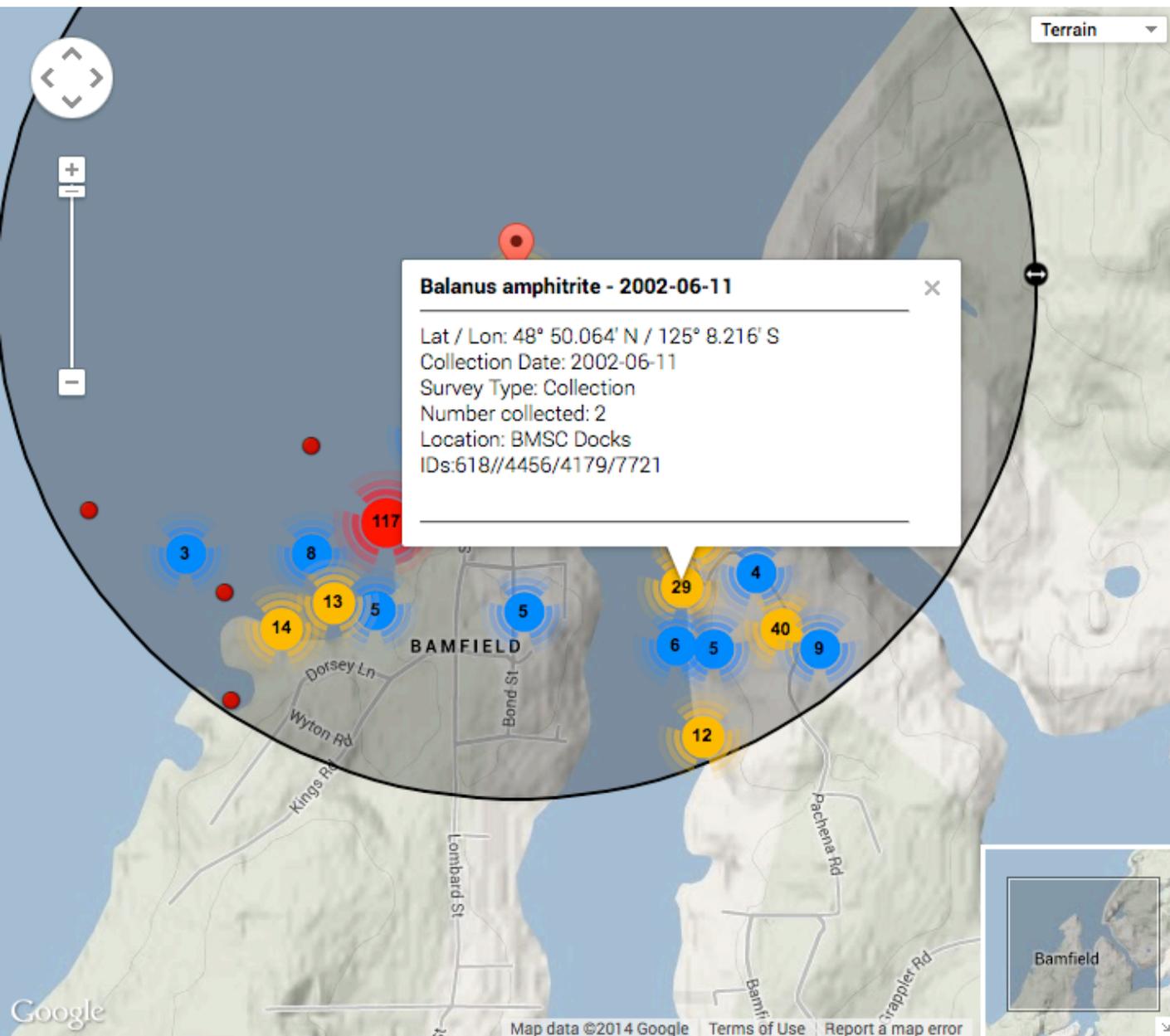
Export as: [Excel](#) | [KML](#)

Results include records for non-sensitive species and any sensitive species associated with one of your Animal Use Protocols (AUP).

Hemigrapsus nudus (Purple Shore Crab) - 2000-06-02 ✕

Lat / Lon: 48° 50.200' N / 125° 8.800' S
Collection Date: 2000-06-02
Survey Type: Collection
Number collected: 6
Location: Eagle Bay
IDs:616//4208/3902/7979





Results: 324 records

| Scientific Name | English |
|--------------------|------------|
| Amphipoda | Amphipods |
| Balanus amphitrite | |
| Balanus glandula | Common Aco |
| Balanus glandula | Common Aco |

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Export as: [Excel](#) | [KML](#)

Results include records for non-sensitive species and any sensitive species associated with one of your Animal Use Protocols (AUP).



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Password

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Collections

Animal User Protocol (AUP)

Principal Investigator

Programs, University (UP) ▾

Course Name

▾

AUP

▾

Dates:

| ID ▾ | Collection Date | QC Status | Collectors |
|-------------------------------------------|-----------------|-----------|------------|
| + Add Edit | | | |
| Page 0 of 0 >> >> 10 ▾ No records to view | | | |

Sites:

| ID ▾ | Location | Latitude | Longitude | General Habitat |
|------------------------------------------|----------|----------|-----------|-----------------|
| + Add Edit | | | | |
| Page 0 of 0 >> >> 5 ▾ No records to view | | | | |

Site Organisms:

| ID ▾ | Scientific Name | English Name | # Collected | Height/Depth | Fate | Population | Ident Conf % |
|------------------------------------------|-----------------|--------------|-------------|--------------|------|------------|--------------|
| + Add Edit | | | | | | | |
| Page 0 of 0 >> >> 5 ▾ No records to view | | | | | | | |

Site Parameters:

| ID ▾ | Exposure | Substrate | Operation Type | Profile | Habitat Type | Height/Depth | Equipment |
|--------------------------------------|----------|-----------|----------------|---------|--------------|--------------|-----------|
| Edit | | | | | | | |
| Page 0 of 0 >> >> No records to view | | | | | | | |



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Collections

Animal User Protocol (AUP)

Principal Investigator

Programs, University (UP) ▾

Course Name

Demonstration ▾

AUP

704 - Test AUP ▾

Dates for AUP 704

| Id ↕ | Collection Date | QC Status | Collectors |
|------|-----------------|-----------|------------------|
| 4923 | 2012/07/09 | Submitted | Beth, Sarah |
| 4949 | 2012/07/25 | Submitted | Tracey |
| 4950 | 2012/07/25 | Submitted | Tracey |
| 4951 | 2012/07/26 | Submitted | Tracey |
| 4952 | 2012/07/26 | Submitted | Tracey |
| 4955 | 2012/08/02 | Submitted | Beth and Lindsey |
| 4960 | 2012/08/10 | Submitted | Tracey |
| 4997 | 2012/09/11 | Passed | Beth and Patrick |
| 5021 | 2012/11/26 | Submitted | Marjolaine |
| 5035 | 2013/01/11 | Submitted | Marjolaine |

+ Add ✎ Edit 🗑️ ↻

Page 1 of 2 10 ▾

View 1 - 10 of 17

Sites:

| ID ↕ | Location | Latitude | Longitude | General Habitat |
|--------------------|----------|----------|-----------|-----------------|
| No records to view | | | | |

+ Add ✎ Edit 🗑️ ↻

Page 0 of 0 5 ▾

No records to view

Site Organisms:

| ID ↕ | Scientific Name | English Name | # Collected | Height/Depth | Fate | Population | Ident Conf % |
|--------------------|-----------------|--------------|-------------|--------------|------|------------|--------------|
| No records to view | | | | | | | |

+ Add ✎ Edit 🗑️ ↻

Page 0 of 0 5 ▾

No records to view

Site Parameters:

| ID ↕ | Exposure | Substrate | Operation Type | Profile | Habitat Type | Height/Depth | Equipment |
|--------------------|----------|-----------|----------------|---------|--------------|--------------|-----------|
| No records to view | | | | | | | |

✎ Edit 🗑️ ↻

Page 0 of 0

No records to view

New Collection

Collection Date

2014 / 04 / 08 

Collector names

Beth Rogers

Comments

Comments concerning date, collector(s)/observer(s) or weather

QC Status

-

Save

Close

Dates for AUP 704

| Id | Collection Date | QC Status | Collectors |
|------|-----------------|-----------|---------------------------------|
| 5275 | 2014/04/02 | Submitted | Beth Rogers |
| 5187 | 2013/08/18 | Submitted | Janet and Vivian |
| 5185 | 2013/08/01 | Submitted | Janet |
| 5126 | 2013/07/01 | Submitted | john and jane |
| 5098 | 2013/06/11 | Submitted | Janet and Sara |
| 5060 | 2013/05/22 | Submitted | Simon and Garfunkel |
| 5052 | 2013/05/16 | Submitted | Beth Rogers and Marjorie Wonham |
| 5049 | 2013/03/19 | Submitted | Joe and Beth |
| 5035 | 2013/01/11 | Submitted | Marjolaine |
| 5021 | 2012/11/26 | Submitted | Marjolaine |

Sites: 2014/04/02 by Beth Rogers

| ID | Location | Latitude | Longitude | General Habitat |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|-----------|-----------------|
| + Add Edit   Page 0 of 0 5 No records to view | | | | |

Edit **Help**

Location

Show/Filter nearby Locations 

Latitude / Longitude



N

W

L/L=Location

Zoom to Extent

General habitat

Marine

Sea state

Comments

Comment on how to find the site and its significant characteristics.

Save

Close



Edit Help

Location 

Show/Filter nearby Locations 

Latitude / Longitude 

48 ° 50.338 N
125 ° 8.500 W

L/L=Location Zoom to Extent

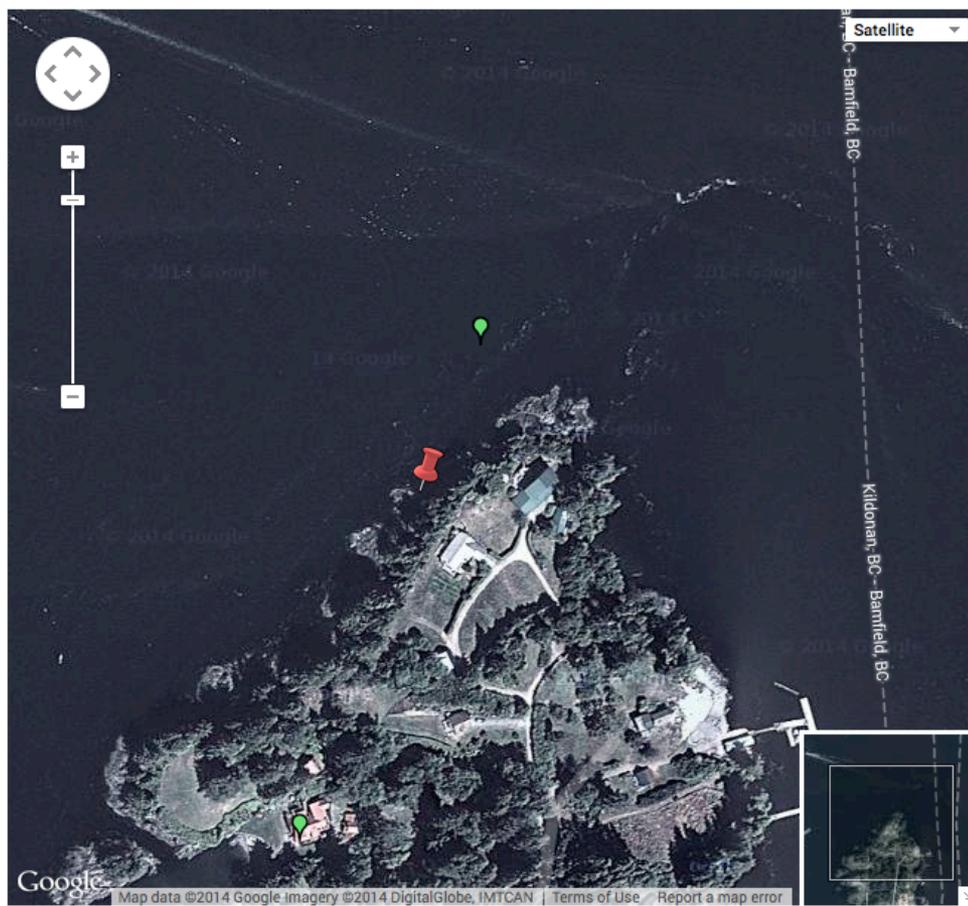
General habitat Marine

Sea state

Comments

Comment on how to find the site and its significant characteristics.

Save Close



Collections

Animal User Protocol (AUP)

Principal Investigator

Programs, University (UP) ▾

Course Name

Demonstration ▾

AUP

704 - Test AUP ▾

Dates for AUP 704

| Id | Collection Date ▾ | QC Status | Collectors |
|------|-------------------|-----------|---------------------------------|
| 5275 | 2014/04/02 | Submitted | Beth Rogers |
| 5187 | 2013/08/18 | Submitted | Janet and Vivian |
| 5185 | 2013/08/01 | Submitted | Janet |
| 5126 | 2013/07/01 | Submitted | john and jane |
| 5098 | 2013/06/11 | Submitted | Janet and Sara |
| 5060 | 2013/05/22 | Submitted | Simon and Garfunkel |
| 5052 | 2013/05/16 | Submitted | Beth Rogers and Marjorie Wonham |
| 5049 | 2013/03/19 | Submitted | Joe and Beth |
| 5035 | 2013/01/11 | Submitted | Marjolaine |
| 5021 | 2012/11/26 | Submitted | Marjolaine |

+ Add Edit  

Page 1 of 2 10 ▾

View 1 - 10 of 18

Sites: 2014/04/02 by Beth Rogers

| ID ▾ | Location | Latitude | Longitude | General Habitat |
|------|---------------|---------------|--------------|-----------------|
| 5168 | Aguilar Point | 48° 50.216' N | 125° 8.53' W | Marine |

+ Add Edit  

Page 1 of 1 5 ▾

View 1 - 1 of 1

Site Organisms: Aguilar Point

| ID ▾ | Scientific Name | English Name | # Collected | Height/Depth | Fate | Population | Ident Conf % |
|------|-----------------|--------------|-------------|--------------|------|------------|--------------|
|------|-----------------|--------------|-------------|--------------|------|------------|--------------|

+ Add Edit  

Page 0 of 0 5 ▾

No records to view

New Collection Site Organism

Organism

The Scientific Name of the collected / observed organism. Use higher level taxa if species level identification is not possible.

Identification Confidence

Population Estimate

Height / Depth

Number collected

Fate

Specimen References

Museum or Herbarium collection number

Comments

Comments on organism. For example, morphological or colour deviations, food, predators, associations, reproductive condition, size, behaviour etc.

Save

Close

New Collection Site Organism

Organism

Species Cancer magister (Dungeness Crab)

The Scientific Name of the collected / observed organism. Use higher level taxa if species level identification is not possible.

Identification Confidence

Confident

Population Estimate

Few

Height / Depth

Shallow subtidal (0m to -20m)

Number collected

1

Fate

Will be returned

Specimen References

Museum or Herbarium collection number

Comments

15 cm diameter male

Comments on organism. For example, morphological or colour deviations, food, predators, associations, reproductive condition, size, behaviour etc.

Save

Close

Dates for AUP 704

| Id | Collection Date | QC Status | Collectors |
|------|-----------------|-----------|---------------------------------|
| 5275 | 2014/04/02 | Submitted | Beth Rogers |
| 5187 | 2013/08/18 | Submitted | Janet and Vivian |
| 5185 | 2013/08/01 | Submitted | Janet |
| 5126 | 2013/07/01 | Submitted | john and jane |
| 5098 | 2013/06/11 | Submitted | Janet and Sara |
| 5060 | 2013/05/22 | Submitted | Simon and Garfunkel |
| 5052 | 2013/05/16 | Submitted | Beth Rogers and Marjorie Wonham |
| 5049 | 2013/03/19 | Submitted | Joe and Beth |
| 5035 | 2013/01/11 | Submitted | Marjolaine |
| 5021 | 2012/11/26 | Submitted | Marjolaine |

+ Add Edit

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Sites: 2014/04/02 by Beth Rogers

| ID | Location | Latitude | Longitude | General Habitat |
|------|---------------|---------------|--------------|-----------------|
| 5168 | Aguilar Point | 48° 50.216' N | 125° 8.53' W | Marine |

+ Add Edit

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View 1 - 1 of 1

Site Organisms: Aguilar Point

| ID | Scientific Name | English Name | # Collected | Height/Depth | Fate | Population | Ident Conf % |
|-------|-----------------|----------------|-------------|------------------------------------|------|------------|--------------|
| 15535 | Cancer magister | Dungeness Crab | 1 | Shallow subtidal (Will be returne | | Few | Confident |

+ Add Edit

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View 1 - 1 of 1

Site Parameters: Aguilar Point

| ID | Exposure | Substrate | Operation Type | Profile | Habitat Type | Height/Depth | Equipment |
|----|----------|-----------|----------------|---------|--------------|--------------|-----------|
|----|----------|-----------|----------------|---------|--------------|--------------|-----------|

Edit

Page 0 of 0

No records to view

New Site Parameters ()

| | |
|-----------------------|----------------------|
| Substrate | <input type="text"/> |
| Habitat type | <input type="text"/> |
| Height / Depth | <input type="text"/> |
| Equipment | <input type="text"/> |
| Profile | <input type="text"/> |
| Operation type | <input type="text"/> |
| Exposure | <input type="text"/> |

Save

Close



New Site Parameters ()

| | |
|--------------------------------------------------------------------------|-------------------------------|
| Substrate | Discontinuous Rock |
| Habitat type | |
| Height / Depth | Shallow subtidal (0m to -20m) |
| Equipment | Dip net |
| Profile | <10° slope |
| Operation type | Shore |
| Exposure | Protected |
| <input type="button" value="Save"/> <input type="button" value="Close"/> | |



Dates for AUP 704

| Id | Collection Date | QC Status | Collectors |
|------|-----------------|-----------|---------------------------------|
| 5275 | 2014/04/02 | Submitted | Beth Rogers |
| 5187 | 2013/08/18 | Submitted | Janet and Vivian |
| 5185 | 2013/08/01 | Submitted | Janet |
| 5126 | 2013/07/01 | Submitted | John and Jane |
| 5098 | 2013/06/11 | Submitted | Janet and Sara |
| 5060 | 2013/05/22 | Submitted | Simon and Garfunkel |
| 5052 | 2013/05/16 | Submitted | Beth Rogers and Marjorie Wonham |
| 5049 | 2013/03/19 | Submitted | Joe and Beth |
| 5035 | 2013/01/11 | Submitted | Marjolaine |
| 5021 | 2012/11/26 | Submitted | Marjolaine |

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Sites: 2014/04/02 by Beth Rogers

| ID | Location | Latitude | Longitude | General Habitat |
|------|---------------|---------------|--------------|-----------------|
| 5168 | Aguilar Point | 48° 50.216' N | 125° 8.53' W | Marine |

[+ Add](#)
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Site Organisms: Aguilar Point

| ID | Scientific Name | English Name | # Collected | Height/Depth | Fate | Population | Ident Conf % |
|-------|-----------------|----------------|-------------|------------------|------------------|------------|--------------|
| 15535 | Cancer magister | Dungeness Crab | 1 | Shallow subtidal | Will be returned | Few | Confident |

[+ Add](#)
[Edit](#)
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View 1 - 1 of 1

Site Parameters: Aguilar Point

| ID | Exposure | Substrate | Operation Type | Profile | Habitat Type | Height/Depth | Equipment |
|------|-----------|--------------------|----------------|------------|--------------|------------------|-----------|
| 5168 | Protected | Discontinuous Rock | Shore | <10° slope | | Shallow subtidal | CDip net |

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Bamfield Marine Sciences Centre

Biodiversity Database

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Welcome to the BMSC Biodiversity Database

- This database supports research and teaching at BMSC.
- Data covers the period 1972 to present, and include information about plants and animals in terrestrial, freshwater and marine environments of Barkley Sound.
- Animals collected for research or teaching must be recorded in this database.
- Noteworthy observations, both positive and negative, are encouraged.

| | |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Collections | Record what you collected |
| Observations | Record what you saw, or looked for but didn't find |
| Reports | List species known to occur in Barkley Sound, as well as where and when they were collected or observed. Find BMSC publications about specific organisms. |
| Help | Instructions for recording collections and observations |
| Contact Us | Need access or have information you think would be helpful? |
| Administration | Restricted access |



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Reports

| | |
|--------------------------------------------|-------------------------------------------------------------------------|
| Collections / Observations | Mapped locations of collections and observations |
| Species | Lists of species found in Barkley Sound, with related BMSC publications |
| AUP | Animal Use Protocol (AUP) Summary |
| CCAC | Canadian Council on Animal Care (CCAC) Report |
| DFO | Dept. of Fisheries and Oceans (DFO) Annual Report |
| QC | Quality Control Report |
| Locations | Locations Google Earth (KML) Report |



Bamfield Marine Sciences Centre
100 Pachena Rd, Bamfield, BC
Canada, V0R 1B0
Phone: (250) 728-3301
Fax: (250) 728-3452
[Email Us](#)



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Animal Use Data Form

Search Criteria

Institution Name: Bamfield Marine Sciences Centre

Institution Code : ????

Year

Results

No results.

Results

| Protocol no. | CI | Protocol Description | PAU | Species | AA | AU/Yr |
|--------------|----|--------------------------------------------------------------------------------------------|-----|---------------------------------|-----|-------|
| N/A | 3 | Used to demonstrate the database. Records should never pass QC or be visible to the public | 2 | <i>Oligocottus maculosus</i> | 100 | 1 |
| N/A | 3 | Used to demonstrate the database. Records should never pass QC or be visible to the public | 6 | <i>Oligocottus maculosus</i> | 10 | 1 |
| N/A | | Used to demonstrate the database. Records should never pass QC or be visible to the public | | <i>Rana aurora</i> | | 1 |
| PE13-DP-01 | | Animal Use for educational display and supervised laboratory observation. | | <i>Allosmerus elongatus</i> | | 1 |
| PE13-DP-01 | | Animal Use for educational display and supervised laboratory observation. | | <i>Anoplarchus purpurescens</i> | | 1 |
| PE13-DP-01 | | Animal Use for educational display and supervised laboratory observation. | | <i>Anoplopoma fimbria</i> | | 1 |
| PE13-DP-01 | | Animal Use for educational display and supervised laboratory observation. | | <i>Bathyagonus alascanus</i> | | 1 |
| PE13-DP-01 | 3 | Animal Use for educational display and supervised laboratory observation. | 6 | <i>Brachyistius frenatus</i> | 10 | 1 |
| PE13-DP-01 | | Animal Use for educational display and supervised laboratory observation. | | <i>Clupea pallasii</i> | | 1 |
| PE13-DP-01 | 3 | Animal Use for educational display and supervised laboratory observation. | 6 | <i>Cymatogaster aggregata</i> | 10 | 1 |
| PE13-DP-01 | 3 | Animal Use for educational display and supervised laboratory observation. | 2 | <i>Cymatogaster aggregata</i> | 800 | 1 |
| PE13-DP-01 | 3 | Animal Use for educational display and supervised laboratory observation. | 6 | <i>Dasycottus setiger</i> | 10 | 1 |
| PE13-DP-01 | 3 | Animal Use for educational display and supervised laboratory observation. | 2 | <i>Enophrys bison</i> | 74 | 1 |



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Dashboard

Collection / Observation Setup



Animal Use
Protocol



AUP Organisms



Permits



Courses

User Administration



Users



Groups



Permissions

Data Review / QC



Collections



Collection Sites



Collection Site
Organisms

Taxonomy



Organisms



Synonyms



References

The DB is used to:

- query which species occur in Barkley Sound and what research has been done on them at BMSC
- query where, when and how to find a particular species
- generate annual reports



The DB is *ALSO* used to:

- teach about biodiversity indices either at BMSC or offsite
- identify areas that require sampling
- explore the geography and biodiversity of the area prior to a visit
- track changes over time



How much did it cost?

- 30-40K, plus staff time
- customization for another location estimated at 10-15K





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