CHESAPEAKE BAY RESOURCES

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Since this is supposed to be on EPA resources of the Chesapeake I will start with Chessee and then give you better resources. The EPA Chesapeake Bay Program office is in Annapolis, Md. You are supposed to apply for a VAX User account to use the system, even though there is no billing involved. They had an egregiously slow machine initially that has been upgraded and are currently planning another upgrade of machinery. The Internet address is: telnet chesie.ann.epa.gov. You are then to input username: [Kheil] and password [  ].

The initial screen informs you that:

CHESSEE is an on-line user-friendly interface into the CBP data base. It allows casual users to browse through the CBP data files to locate information of interest. Chessee contains descriptive information of the bay program, research projects, findings, and data. Chessee is hierarchical in design. It allows a user to choose a major topic of interest and then move to lower level subtopics. Chessee provides a simple means of connecting the CBP data file with user programs such as sas. Chessee is the on-line data base documentation.

The next screen gives multiple options:

CHESAPEAKE BAY PROGRAM

<table>
<thead>
<tr>
<th>COMMAND</th>
<th>Primary Categories of CHESSEE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Help</td>
<td>-This Help Menu.</td>
</tr>
<tr>
<td>Analysis</td>
<td>-CBP Analysis Summaries</td>
</tr>
<tr>
<td>Bibliography</td>
<td>-Chesapeake Bay Program Bibliographies. (VIMS and CBL)</td>
</tr>
<tr>
<td>Cbp</td>
<td>-Chesapeake Bay Program Summary Information.</td>
</tr>
<tr>
<td>Documentation</td>
<td>-CBP Data Base Documentation.</td>
</tr>
<tr>
<td>Dictionary</td>
<td>-CBP Data Base Dictionary (Information about Parameters).</td>
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<tr>
<td>Management</td>
<td>-Data Management Information.</td>
</tr>
<tr>
<td>Monitoring</td>
<td>-Description of CBP Monitoring Program.</td>
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<tr>
<td>REPorts</td>
<td>-Chesapeake Bay Program Reports.</td>
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<tr>
<td>RESearch</td>
<td>-Chesapeake Bay Program Research.</td>
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<tr>
<td>Exit</td>
<td>-Exit CHESSEE.</td>
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</table>
Choosing item 3 Bibliography take you into the VIMS Bibliography and Instructions. This bibliography has not been updated since about 1983 (I know this was the last date for CBL material, VIMS may have done up until 1989).

Geographic coverage of the CBB encompasses the entire Bay, its tributaries and the offshore waters of the Delmarva Peninsula. There are selected citations dating back to 1834 but the majority of publications fall from 1971-1987.

The database will search for up to 20 key words in one search, it will only do [and] searches. If you want to do logical [or] you must do two separate searches.

For more up-to-date informational resources I am going to review some of the libraries in the Chesapeake Bay Watershed emphasizing the unique parts of collections at each site.

1) The National Aquarium In Baltimore, Pier 3, 501 E. Pratt St., Baltimore, Md. 21202

The collection supports the research, exhibit, education, and conservation missions of the Aquarium. Subjects covered by the collection are: natural history and biology of fish, marine mammals, aquatic and tropical birds, reptiles and amphibians, and aquatic invertebrates; - ecology of aquatic habitats and tropical rain forests; - science education; - conservation; - captive breeding of amphibians, fish, and marine mammals; - aquarium care; - veterinary care of aquatic animals. 1200 books, 55 periodical titles, 60 a-v cassettes, 15 audio cassettes, extensive vertical files. (410) 659-4257

2) The U.S. EPA Region III Central Regional Laboratory (CRL) 839 Bestgate Road, Annapolis, Md. 21401. (410) 573-2799.

The subjects in the collection focus on: Chesapeake Bay; - Analytical Chemistry; - Automated laboratory technology; - Estuarine research; - Industrial wastewater monitoring and toxic and hazardous substances. The Collection includes a large collection of EPA reports in both paper and on microfiche; The Chesapeake Bay-related estuaries and the continental shelf off of Maryland and Delaware. Approximately 2100 books, 50 current journal subscriptions, 7000 documents and over 100 audio visual items. CD-ROM products include TOMES Plus; Toxic Release Inventory (EPA), Register of Lists (EPA), OSHA Regulations, Publications, etc., Index to EPA Methods (EPA) M-F: 8-4:30.
3) The Smithsonian Environmental Research Center (SERC) P.O. BOX 28, Edgewater, Md. 21037. (301) 261-4190.

Coverage of Chesapeake Bay area: ecology, environmental management, estuaries and ecosystems, land use history, population and community ecology, evolution: especially wetland ecosystems and nutrients; landscape ecology; effects of acid rain on deciduous forests and fish populations; studies monitoring solar UV light; CO2 and world climate.

4) The Patuxent Wildlife Research Center Laurel, Md. 10708, is one of nine libraries in the new National Biological Survey. (301) 498-0235

It has a comprehensive historical and current coverage of ornithology that frequently attracts researchers; Contaminant collection dates from the early day of DDT research in the 1940’s; Researchers can run free searches on WILDLIFE REVIEW and FISHERIES REVIEW on CD-ROM. Nearly 200 subscriptions and 9,000 monographs and extensive reprint files. M-F: 8-4:30


Major collection strength is molluscan diseases; expanded to include diseases of crustaceans and finfishes; documentation of marine animal health, and the importation of undesirable exotic marine organisms; Pathobiology section of NEFC and Resource Assessment Division, Fishery Statistics Investigation and NMFS Habitat Protection Branch. Over 8,000 bound volumes and over 30,000 reprints. M-F: 8-5.

6) University of Maryland, Center for Environmental and Estuarine Studies (UMCEES)
Has 3 distinct locations within the state to cover the full range of Aquatic and Terrestrial Environments within the State of Maryland.

The overall mission of CEES is to develop and apply predictive ecology for Maryland to the preservation of the physical environment through a program of research, public service and education. The Hoyn Point Lab (HPL) in Cambridge, Md. 21613 - (410) 228-8200 is focused on SAV; Ecosystems from salt marshes to the main stem of the Chesapeake Bay to the North Atlantic, and organisms from bacteria to oysters and striped bass.

Chesapeake Biological Lab (CBL), P.O. Box 38, Solomons, Md. 20688. (410) 326-7287. CBL is also focused on SAV with an
exceptionally strong Fish and Fisheries collection; -Environmental Chemistry/Toxicology; - Ecosystems Studies Ecology, and Ecological economics. The Appalachian Environmental Lab (AEL) in Frostburg, Md. 21532. Is more concerned with Freshwater fisheries; - and - Terrestrial ecology. Covering a wide spectrum of investigations including: community ecology, wildlife biology, stream ecology, plant genetics and forest ecology, evolutionary biology and ecology of managed species including rare, threatened and endangered flora and fauna. This Lab is serviced by the Frostburg State University's Lewis J. Ort Library (301) 689-4737 which has a good Potomac River collection; - and additionally supports a strong African Fisheries program because of the large number of foreign students in the programs there.

Addenda: When searching VICTOR.UMD.EDU (the University of Maryland Catalog) be sure to check CEES-(HPL & CBL) and FSU collections separately using title searches - Unique (non-OCLC) records are only indexed in the Specific Holding Library Catalog (NOT the Union Catalog) and are only searchable by title.

7) The College of William and Mary, School of Marine Science, Virginia Institute of Marine Science (VIMS), Gloucester Point, Virginia 23062 (804) 642-7115.

The threefold mission of the Institute is research, education and advisory service. Its focus is estuarine and coastal research. The Library consists of 44,000 volumes and 521 current subscriptions, in addition to topographic maps, nautical charts and scientific archives. Patrons have access to the online catalog LION at Swem Library on the main campus 19 miles away. Online access is also provided to ASFA, the Chesapeake Bay Bibliography, the Chaetognath Reference Library and other databases. VIMS is the lead agency in Virginia for the Chesapeake Bay National Estuarine Research Reserve System with four designated sites preserved for estuarine research, monitoring, education, and conservation of key resources. VIMS helps maintain a Comprehensive Coastal Inventory to generate a constantly updated inventory of tidal shorelines in Virginia.

This is Reference No. [UMCEES] CBL 94-082.