

**COLLECTIONS POLICY STATEMENT
Earth Sciences**

1. INTRODUCTION

- 1.0 Purpose and Audience:**
- 1.1 Institutional Description & Clientele Served:**
- 1.2 Collections' Mission & Goals:**
- 1.3 Policy on Intellectual Freedom & Censorship:**
- 1.4 Collection Locations:**
- 1.5 Organization of Collection Development Program:**
- 1.6 Means of Acquisition:**
- 1.7 Collections Budget Overview (Current Fiscal Year):**
- 1.8 Cooperative Agreements:**

2. COLLECTION SCOPE (General)

- 2.0 Subject Focus:**
- 2.1 Collection Description:**
- 2.2 Geographical Coverage:**
- 2.3 Chronological Coverage:**
- 2.4 Format Coverage:**
- 2.5 Language Coverage:**
- 2.6 Electronic Resources Aspects:**
- 2.6 Out of Scope/NOT Collected or Retained:**

3. COLLECTION SCOPE (Specific)

- 3.0 Subject Name:** Earth Sciences
- 3.1 Library Selector for this Subject:** Jean Crampon
- 3.2 Primary Academic Unit Served:** LAS. Dept. of Earth Sciences
 - 3.2.1 Academic Liaison:** varies depending on subject area

3.2.2 Degrees/Certificates Granted by Primary Academic Unit: BA, BS, MS, PhD in Earth Sciences.

- 3.3 Significant Relationship to USC Strategic Plan/Critical Pathways/Capabilities:** 1. Undergraduate Education (undergraduate degrees offered and seven courses are options of the general education program); 2. Interdisciplinary Research and Education (Geobiology, the Environmental Studies program, Civil and Environmental Engineering, Architecture, and Petroleum Engineering); 3. Resources of Southern California and Los Angeles (Southern California Earthquake Center, Wrigley Marine Science Center, and the Wrigley Institute for Environmental Studies); and 4. Internationalization (in addition to individual research, researchers work cooperatively with colleagues throughout the world, e.g. China, Philippines, India, and Australia). The department is involved in the Life Sciences Critical Pathway (geobiology) and the Urban Paradigm critical pathway with research on the effects of the urban environment on the ocean. The interdisciplinary research areas and the Urban Ocean focus also support the Capability for Meeting Societal Needs. Earth Sciences, by its very nature, supports an international view, the Capability regarding Expanding the Global Presence of USC. For an example of the Capability to Promote Learner-Centered Education, the department supports the Undergraduate Symposium that “provides undergraduates with the unique to exhibit and share examples of their significant research and creativity.”
- 3.4 Treatment of Subject:** The primary goal is to support current research and instructional needs of the faculty and students within Earth Sciences. This includes research level materials in geobiology, climate dynamics, fault systems, lithospheric dynamics, and mantle dynamics. These five primary areas include traditional areas of paleontology, sedimentology, and oceanography, as well as newer interests such as volcanology. Support is also provided for geochemistry and geophysics (coordinated with the selectors for Chemistry and Physics, respectively), and to a lesser degree hydrogeology, soil science, glaciology, and mineralogy.
- 3.5 Collection Locations:** Science & Engineering Library is the primary location for print serials and monographs. Significant materials are available through electronic resources. Basic undergraduate materials are collected in Leavey Library. Some materials are housed at the Wrigley Marine Science Center. Additional materials are located in remote storage.
- 3.6 Geographical Coverage:** no restrictions. Researchers study geological conditions worldwide. Oceanographic focus is primarily Pacific and Antarctic, but materials worldwide are needed.
- 3.7 Chronological Coverage:** no restrictions. Current purchases focus on new materials, but geological research by definition must cover an extensive time period and older publications are obtained as needed and available.
- 3.8 Format Coverage:** Serials, monographs, maps, electronic access, conference proceedings, theses.
- 3.9 Language Coverage:** no restrictions, but about 90% in English for current acquisitions
- 3.10 Specialized Means of Acquisition:** Firm orders, Yankee approval plan, standing orders and subscriptions. Map materials through government documents department. Applicable materials are also received through gifts and exchange and the former Hancock Library of Biology and Oceanography’s Exchange program with about 400 research institutes both private and governmental from approximately 60 countries worldwide.

- 3.11 Special Collections Aspects:** Approximately 5% of both the serials and monographic collection are either rare or fragile and require special handling. Nearly all of these are in storage.
- 3.12 Electronic Resources Aspects:** GeoRefS (the #1 resource most used by the researchers) and GEOBASE are the subscription databases specific to Earth Sciences on a broad level. INSPEC is useful for some areas, especially related to petroleum geology. Oceanic Abstracts is strong for chemical and physical aspects of Oceanography; ASFA is good for biological aspects of oceanography. Other resources for general earth sciences available here include: USGS resources, NASA Earth Observatory (for GIS information about changes in the Earth) and Earthquake Engineering Abstracts and Earthquake Engineering Research Institute (applicable for seismology). Other internet accessible resources are from NOAA, NODC, and NASA. BIOSIS is also of use for geobiology.
- 3.13 Out of Scope/NOT Collected or Retained:** Textbooks, except as needed for instruction; juvenile or popular works. Cultural maps are not covered by this statement.

3.14 Collecting Levels (Detail):

SUBJECT BREAKDOWN	STRENGTH
remote sensing (G70.4)	2
maritime atlases (G1059-1061)	2
Atlases, oceans (G2800-3064)	3
maps, coasts, N/S America (G3320-3351,5220-5231)	3
maps, oceans, worldwide (G9095-9804)	2
cartography (GA109,341-1776)	3
maps, oceans, seas, worldwide (GA359-97)	2
physical geography, Arctic, Antarctic (GB395)	3
physical geography, coasts and reefs (GB450-468)	3
oceanography, congresses, handbooks, etc.(GC1-31)	4
oceanography, instruments (GC37-40)	3
oceanographic research (GC57-63)	4
submarine topography (GC83-87.6)	4
estuaries (GC96-97.8)	3
seawater (GC100-103)	4
chemical oceanography (GC109-149)	4
physical oceanography (GC150-181)	4
dynamics of the ocean (GC200-376)	4
marine sediments (GC377-399)	4
oceanography by region, worldwide (GC401-881)	4
marine resources (GC1000-1023)	4
marine pollution (GC1080-1581)	3
ocean environment and man (GF65)	4
geophysics (QC801-809)	4
geomagnetism (QC811-849)	3
paleoclimatology (QC884)	3
submarine geology (QE39)	4
geology by geographic division (QE65-350)	3
mineralogy (QE351-399.2)	2
petrology (QE420-499)	3
Dynamic and structural (QE500-699)	4
systematic works (QE713)	4
paleontology (QE701-899.2)	4
Stratigraphy by location Antarctic (QE950)	4
paleobotany, inc. lower plants (QE901-996.5)	3
evolution, science only (QH359-425)	3

ecology (QH541.15)	3
engineering geology (TA705-710.5)	2
ocean engineering (TC1501-1800)	2
economic geology (TN260)	2
geophysical surveying (TN269)	2
Tide and current tables (VK600-794)	3
diving (VM975-989)	2

3.15 Cooperative Agreements: N/A

3.16 Desiderata:

3.16.1 Print: map collection is still unorganized. Materials are located in storage Hancock collection, but most is uncatalogued. Collection held in "Hancock storage," but records mostly still say Science.

3.16.2 Microform: little in this subject, but some in oceanography in former Hancock collection in storage.

3.16.3 Serials: many titles still in print; however, policy is to change to electronic as possible.

3.16.4 Electronic

American Meteorological Society legacy collection. We have many in print,

<http://ams.org> with current switched to electronic

American Mineralogist, Mineralogical Society of America, have in print,

<http://www.minsocam.org/AmMin/ammin.html>

G3 (Geochemistry, geophysics, geosystems), Geochemical Society and American

Geophysical Union, <http://g-cubed.org> is only electronic

All AGU publications, but especially JGR, Geophysical Research Letters, to switch to electronic, <http://www.agu.org>.

Bulletin of volcanology, want electronic only

Geotechnique, have in print, <http://www.ttjournals.com>

7/26/05

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