



College of Earth, Ocean and Atmospheric Sciences

Marine Geology Repository

Oregon State University

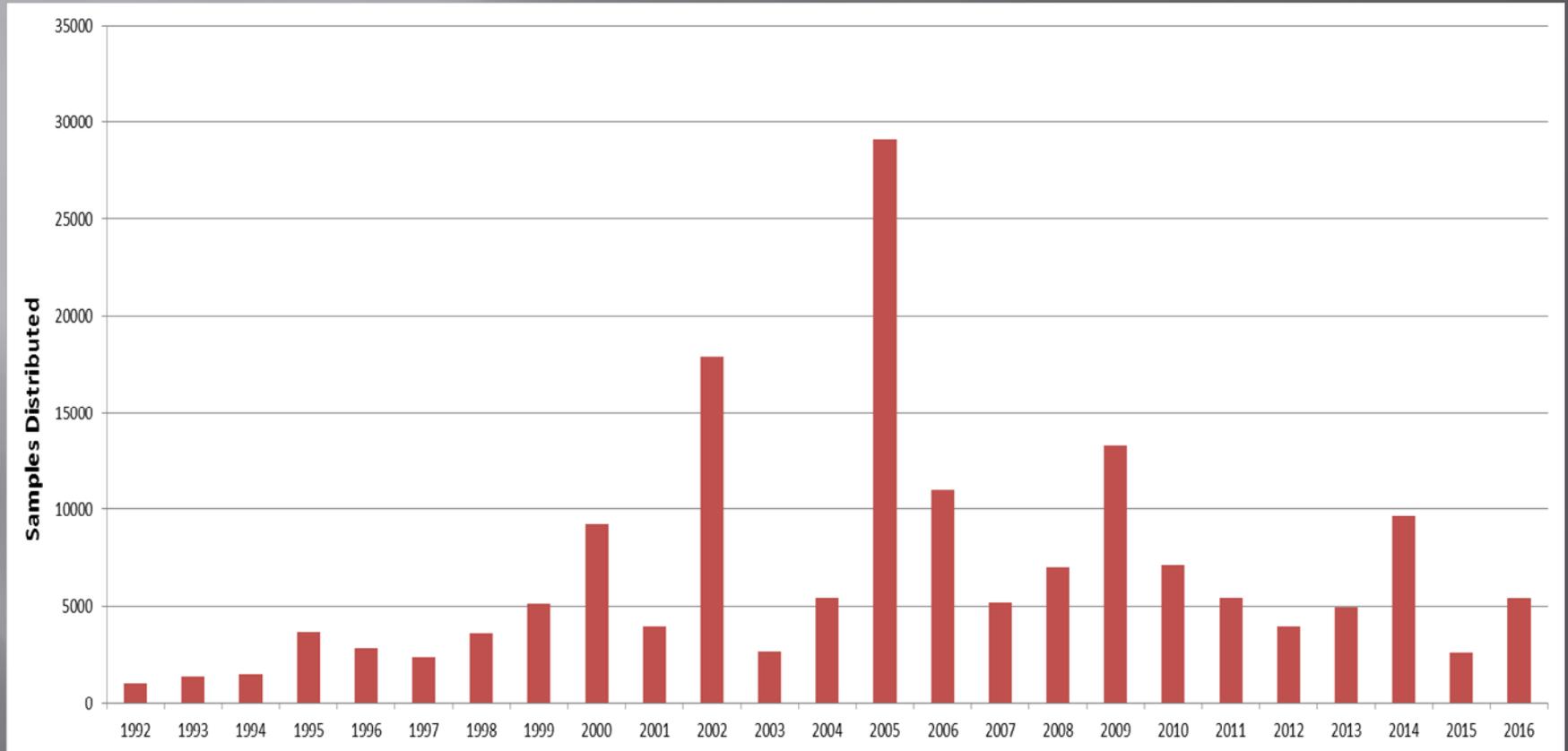
Corvallis, Oregon

18th Curators Meeting April 25-27, 2017
Corvallis, Oregon

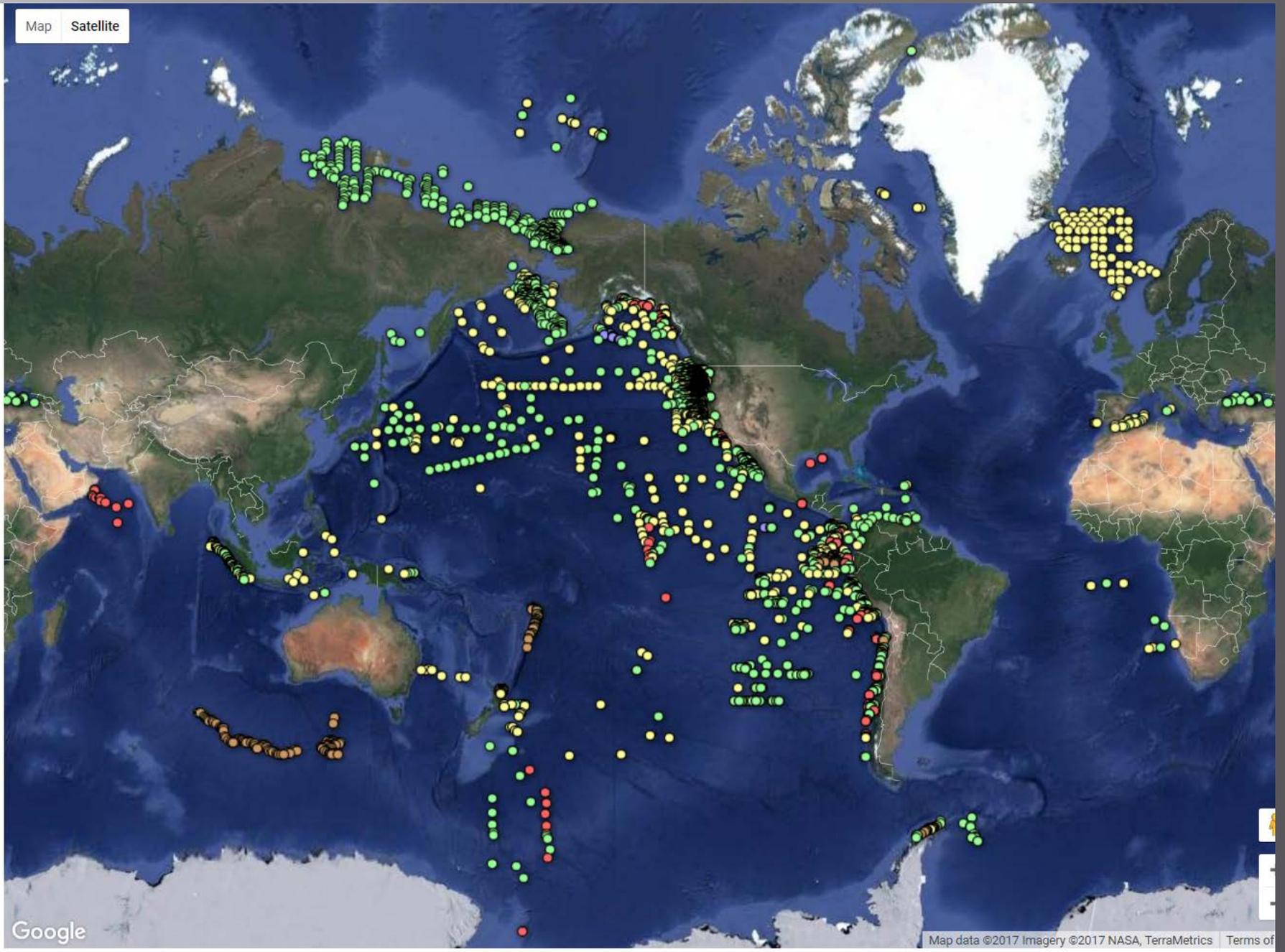
Repository Holdings

- ▣ Over 6,400 cores, over 16,800M of mud (~10.4 Miles)
- ▣ Almost 590 dredges, over 11,400 rocks
- ▣ Almost 150 ROV dive samples, about 970 rocks
- ▣ About 2200 Manganese Nodules
- ▣ Over 1600 sediment trap samples
 - Both wet splits in formalin and dry material

Samples Distributed



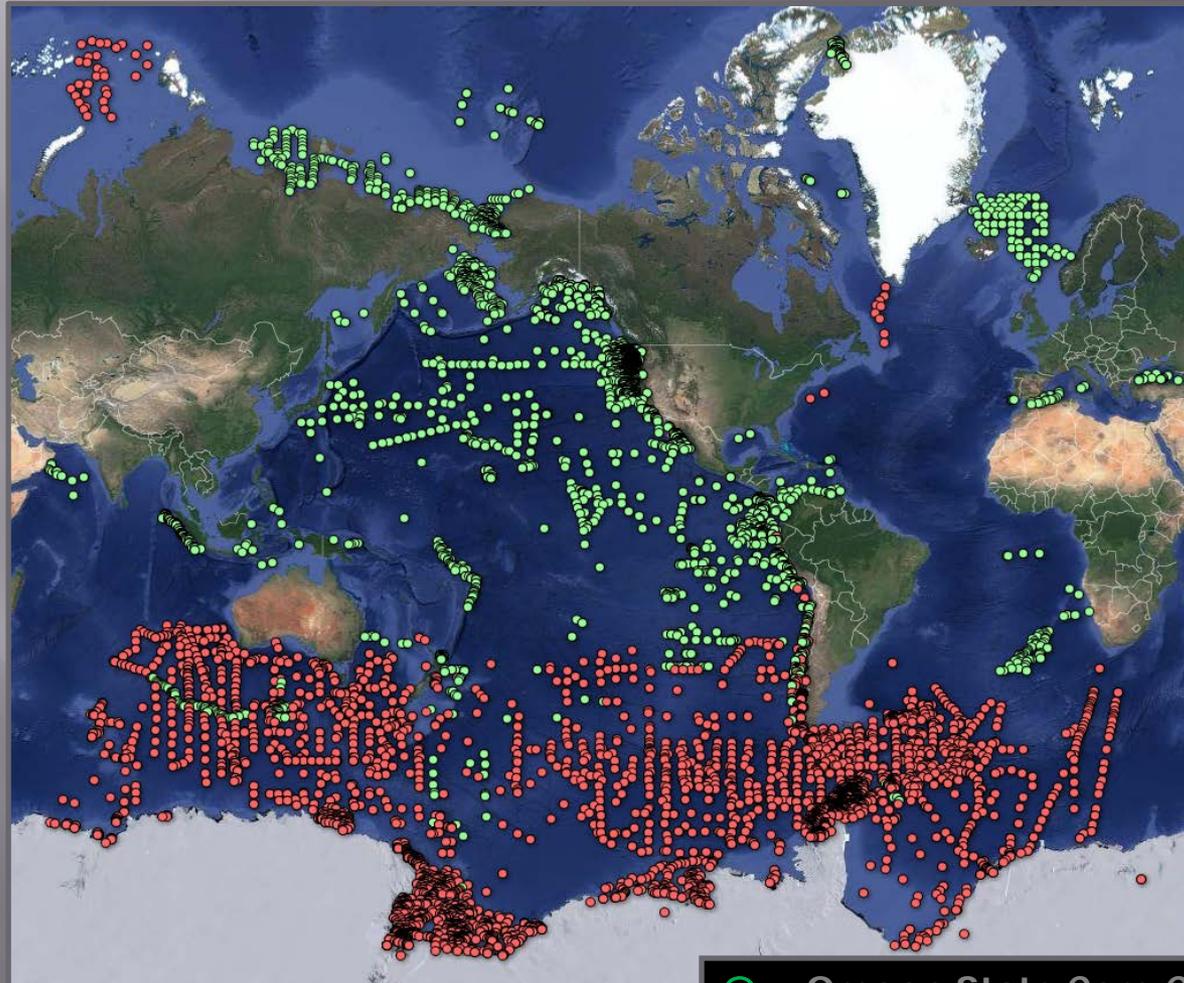
Map Satellite



Google

Map data ©2017 Imagery ©2017 NASA, TerraMetrics Terms of

Antarctic Collection to be Added



- Oregon State Core Collection
- Antarctic Core Collection

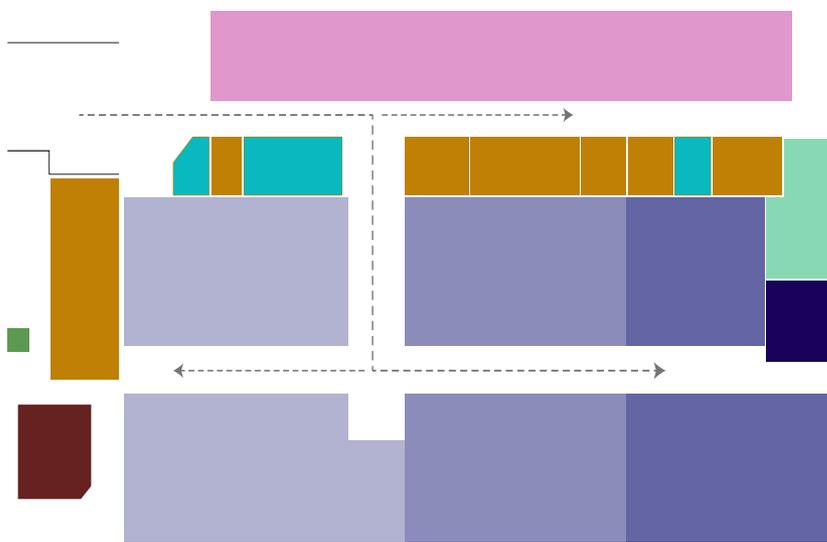
WE ARE MOVING!!!

THE NEW OREGON STATE UNIVERSITY MARINE AND GEOLOGY REPOSITORY “SUPPORTING EARTH OCEAN AND ANTARCTIC SCIENCE”

NEW OSU-MGR BUILDING

ING BAYS

33,000 SFT FACILITY
CORVALLIS, OR



- \$4.9 million renovation of the former Nypro plastics injection factory
- 18,529 SFT of refrigerated core storage, using 20 FT high racks, with 50 yrs of expansion space for both collections
- 6,400 SFT (28 FT high) dry rock and core space
- Two 350 SFT walk-in freezers
- Eleven laboratories over 3,600 SFT designed for core processing, sampling, sedimentology and non-destructive data acquisition, including an MST, an Itrax XRF scanning, and space for a future CT scanning facilities
- 1,300 SFT of curatorial office and visitor space; and
- 950 SFT enhanced 32-person seminar room

NOAA Collection

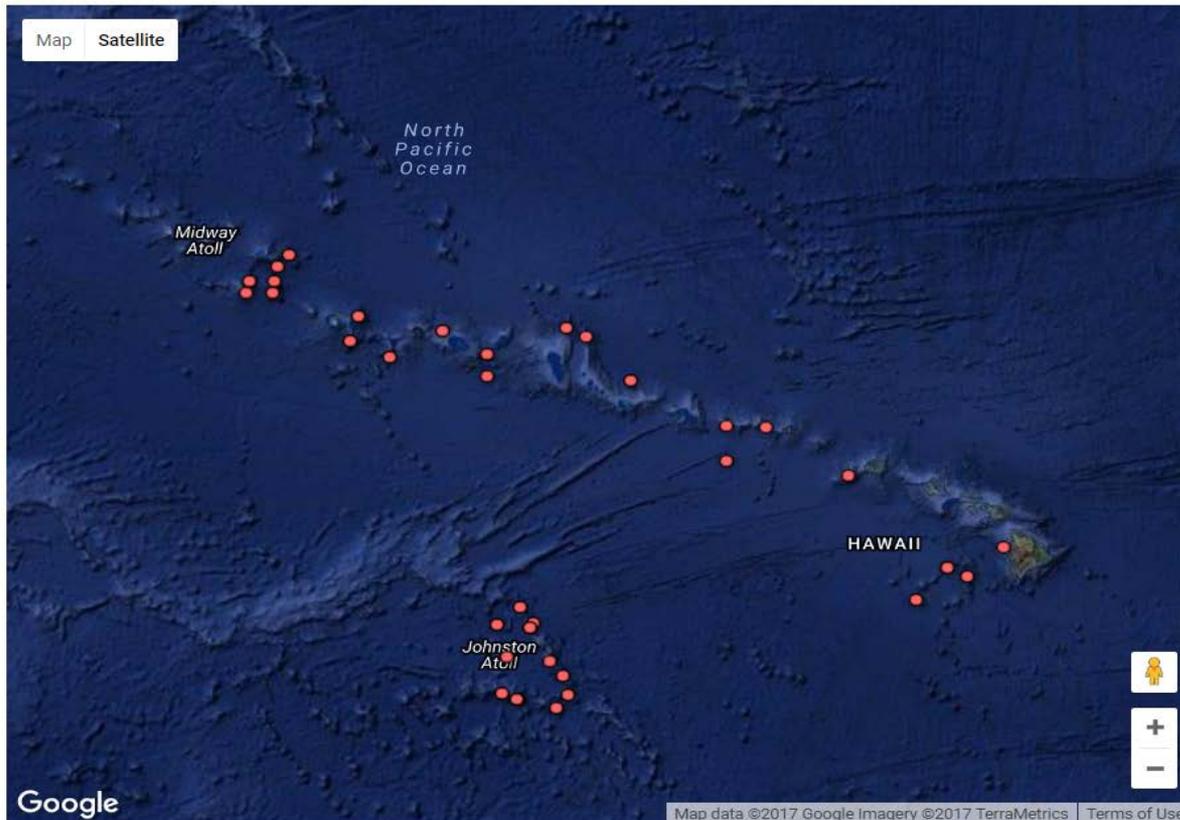
Welcome to the NOAA Collection. Here you will find a list of all the cruises hosted by the OSU-MGR. Alternatively you can filter the map below for a specific cruise.

Cruise Lists

EX1504: Papahānaumokuākea Marine National Monument and the Johnston Atoll (Aug-Sept 2015).

Cruise

-Select-



NOAA Collection

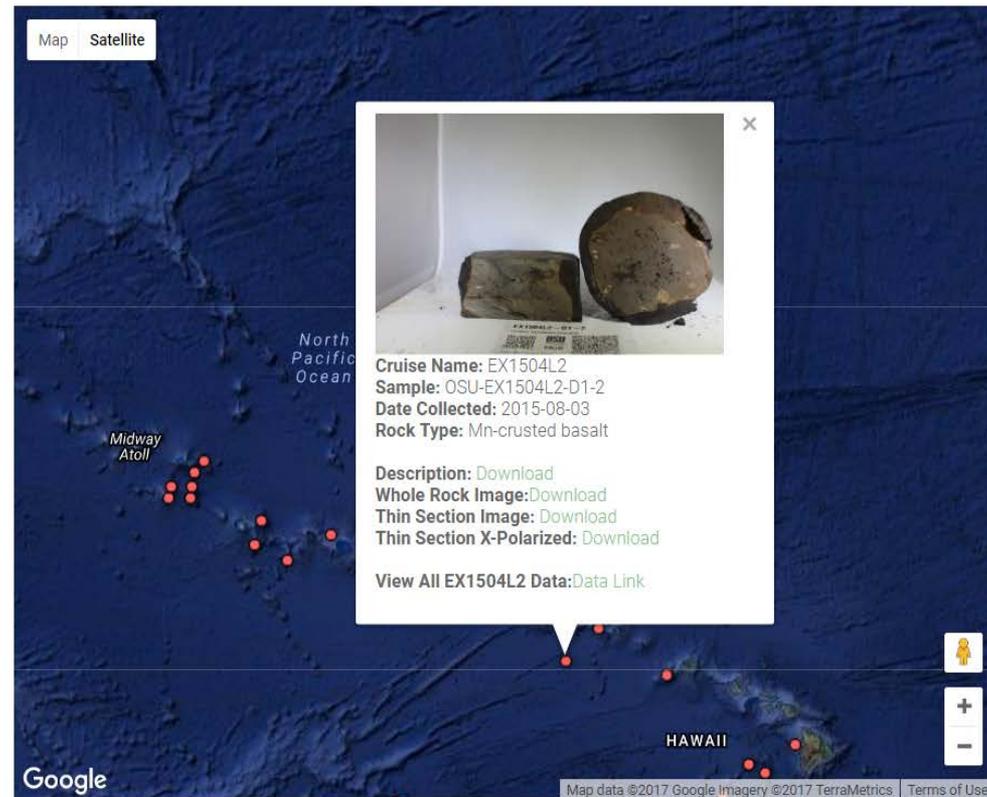
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Cruise Lists

EX1504: Papahānaumokuākea Marine National Monument and the Johnston Atoll (Aug-Sept 2015).

Cruise

-Select-



Map Satellite

North Pacific Ocean

Midway Atoll

HAWAII

Google

Map data ©2017 Google Imagery ©2017 TerraMetrics Terms of Use

Cruise Name: EX1504L2
Sample: OSU-EX1504L2-D1-2
Date Collected: 2015-08-03
Rock Type: Mn-crusted basalt

Description: [Download](#)
Whole Rock Image: [Download](#)
Thin Section Image: [Download](#)
Thin Section X-Polarized: [Download](#)

View All EX1504L2 Data: [Data Link](#)

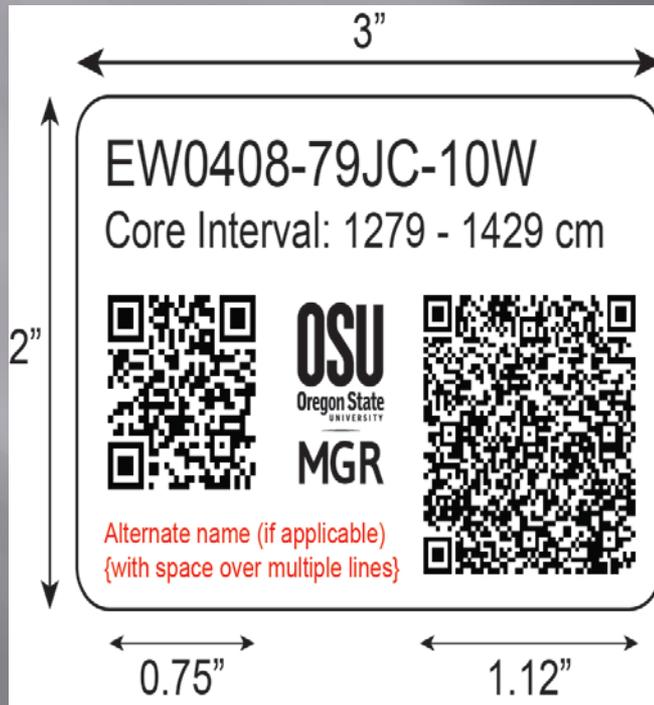
Digitization and Labelling Project

- ▣ Digitization has been completed back to 1981
- ▣ 52% of our core collection has been digitized and labeled
- ▣ 10% of our rock collection has been digitized and labeled



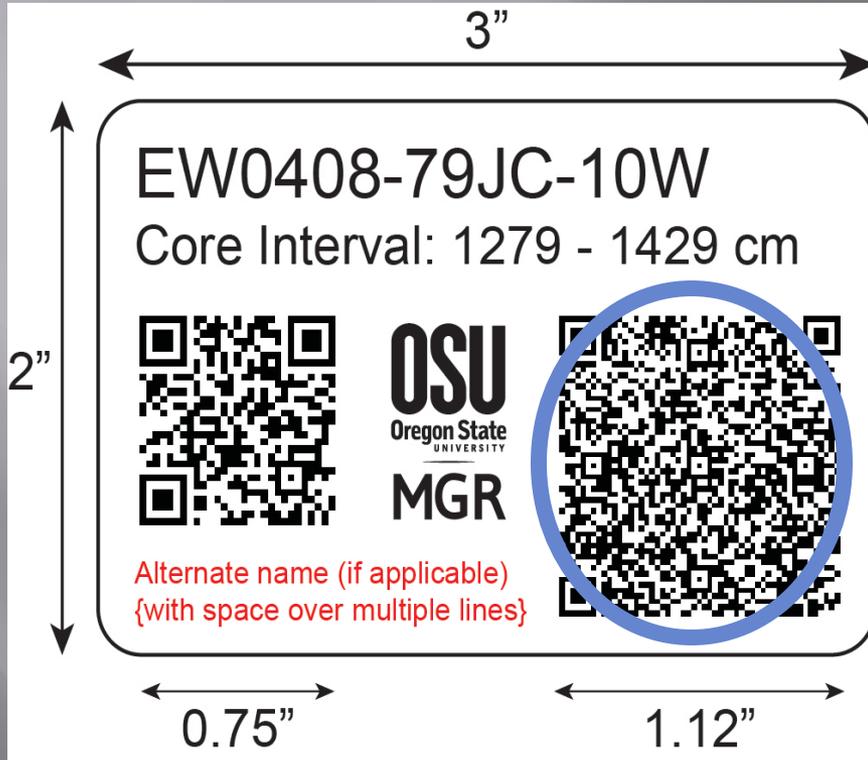
QR Codes

OSU-MGR label applied to d-tube, end cap, and core liner



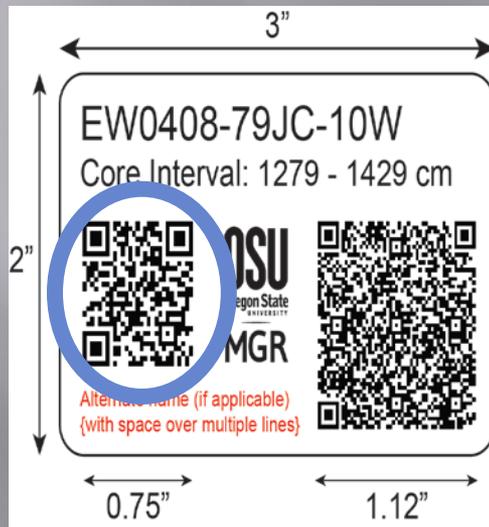
- Cruise-Core-Section Name
- Core interval (cm)
- Data Link (left QR)
- Metadata (right QR)
- **Space for alternate core name**

Meta Data Link (static information)



- IGSN
- Lat
- Long
- Water Depth
- Total Sections in Core
- Total Length
- Section Length
- Top:
- Bottom:
- PI:

Data Link (non-static information)



IGSN: OSU-EW0408-79JC-10W



IGSN: OSU-EW0408-79JC-10W
Material: Marine Sediment Core
Type: Section Working Half

Parent Core:

Material: Marine Sediment Core
Core Name: EW0408-79JC
Core Type: Jumbo Piston Core
Core Length: 1724 cm
Total Sections: 12
Latitude: 59.5357°
Longitude: - 141.7609°
Water Depth: 158 m
Research Vessel: Maurice Ewing
Date of Collection: 2004-09-15
Cruise PI: Alan Mix
Cruise PI Institution: Oregon State University
Cruise PI Email: amix@coas.oregonstate.edu
Alt. Cruise Name:
Alt. Core Name:
Location: OSU Marine Geology Repository: (93.1.3.2)
Location Contact: corelab@coas.oregonstate.edu

Section Info:

Section: 10
Section Half: Working
Section Interval: 1279 - 1429 cm
Notes:

Data Available:

Coring Data Sheet: <http://osu-mgr.org/OSU-EW0408-79JC-10W/CoringDatasheet>
Core Description: <http://osu-mgr.org/OSU-EW0408-79JC-10W/CoreDescription>
Line Scan Image: <http://osu-mgr.org/OSU-EW0408-79JC-10W/Image>
MST Data: <http://osu-mgr.org/OSU-EW0408-79JC-10W/MSTData>
ALT Data:
CT Scan Data:
Link to NGDC: <http://www.ngdc.noaa.gov/geosamples/cruise.jsp?cru=EW0408&inst=OSU&shp=Maurice%20Ewing>
Link to Publications: <http://osu-mgr.org/OSU-EW0408-79JC-10W/Publications>

GO BEAVS!!!

