



Geologic Database of Information on Volcanoes in Alaska: GeoDIVA

Intellectual Knowledge Holders: Cheryl Cameron and Abbey Nastan

- ❖ Information on volcanoes and volcanic products in Alaska younger than 2.6 Ma
- ❖ Started in 2002, bottom-up development
- ❖ Back-end to public and internal websites – goal to make it publicly accessible but internal collaborations can search for you!
- ❖ No time-series geophys data

Non-accessible data may be obtained by request to Abbey! Abigail.Nastan@alaska.gov



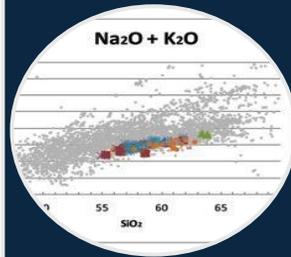
Sample metadata:
geology, gas,
water
(33k)



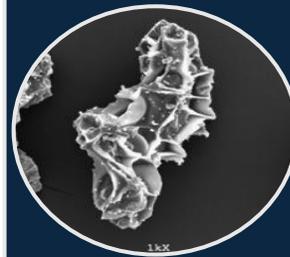
Stratigraphy
(2.4K)



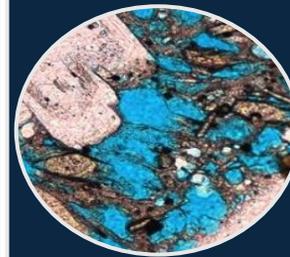
Eruptions:
2.6 Ma to
present
(~1K events;
732
eruptions)



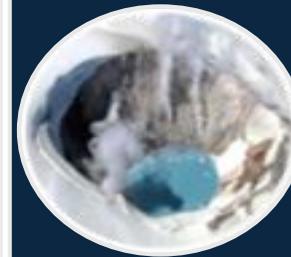
Whole-rock
geochemistry
(14K)



Tephra
metadata
and glass
EPMA
(4.3K+)



Petrography
(modal data,
textures,
desc)



Images
(36.6K)



Operational
observations
(logs, rsdb,
seisdb, Is
Ash Falling?)

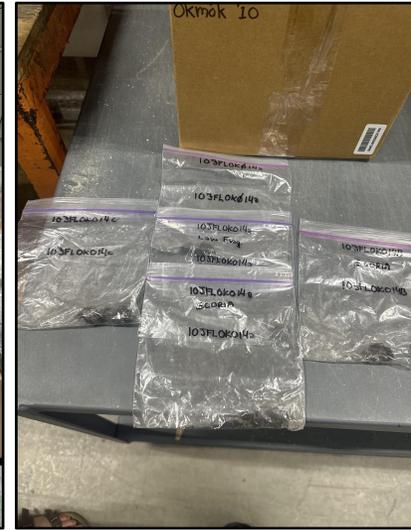


Best practices for searching and obtaining available AVO geologic data & samples

Intellectual Knowledge Holders: Kristi Wallace & Matt Loewen



Checklist/process for finding and requesting physical samples from the AVO collection		
Done	Task	Who to Submit to
<input checked="" type="checkbox"/>	Reach out to AVO PIs for advice/brainstorming (reccomended)	n/a
<input type="checkbox"/>	Build sample/GMC box request list	You!
<input type="checkbox"/>	Project Abstract (<1 page)	You <- GMC
<input type="checkbox"/>	Submit sample request	You <- GMC
<input type="checkbox"/>	GMC sends request to AVO for approval	GMC <- AVO
<input type="checkbox"/>	AVO feedback/clarification, approval or not	AVO -><- You
<input type="checkbox"/>	Approved!	
<input type="checkbox"/>	Sample Sharing Agreement Signed	You <- AVO
<input type="checkbox"/>	Visit GMC!	
<input type="checkbox"/>	Return Sample Spreadsheet (amounts, expected return)	You <- GMC + AVO
<input type="checkbox"/>	Do your thing!	
<input type="checkbox"/>	Track original SampleID with any daughter products and results!	You!
<input type="checkbox"/>	Return excess sample, thin sections etc.	You <- GMC
<input type="checkbox"/>	Share results with AVO (esp. eruption response), GMC, publish open data	You <- AVO, GMC, the world



“Nothing is guaranteed until you open the box”

- ❖ Organized!
- ❖ Rich metadata for most samples
- ❖ One-stop shop for Alaska-Aleutian volcanic samples
- ❖ Not a curated repository like Smithsonian
- ❖ Not full service

