

# Otter Geospatial



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## Geodata Library Security issues

The institutional memory captured in the Geodata Library has never been particularly secure. It counted heavily on the vigilance and energy of the Biodiversity Center's GIS and Mapping Specialist. Ideas for giving the Library a real home never advanced beyond the talking stage. Since the GIS Specialist position was vacated in Fall of 2016, the Library has been maintained on a volunteer basis and as of January 2018 is still intact. The situation is not sustainable – the Library should either be abandoned or upgraded. Here are some factoids to consider:

- There is some institutional support. The Library's master files reside on a PC owned by the Biodiversity Center and the CCB continues to pay for space on the fstorea server to host the so-called Geodata Drive
- The fact that the Library is being maintained on a volunteer basis means that addition of newly published datasets is sporadic and spotty. We try to grab the best new material in real time but it's a losing battle and the result is that the Library is losing value.
- The Library's backup files reside on a set of external hard drives as shown on the photo at right. The system is confusing and time-consuming to maintain.
- All master and backup files are in the same physical location. In January of 2018 that's Laboratory Sciences LS304
- The effort is ongoing to retrieve and organize the digital record of work done between 2006 and 2016. We're committed to getting the Library as complete and as clean as possible in preparation for a formal handover



At the suggestion of Biodiversity Center Director Bob Howe, we approached the University's Computing and Technology Information staff. Bob had been informed that they were promoting cloud storage as a possible

solution to situations like ours. We intend to use this website to track efforts to preserve the Geodata Library.

**Kickoff Meeting – 22-feb-2018** – Library Volunteer manager met with CIT network administrator.

- Information on the character of the Library was presented to CIT staff.
- The overall size of the Library and its basic organization are described in the table below. We suggested using the 400 gb chunk to test the basic concept
- CIT will check feasibility and suggest next steps.

ARCHIVE SUB-SECTION	LOCATION ON DISK	PHYSICAL LOCATION	REMARKS
<b>GISJOB-01</b> (master) 400gb static storage Managed by M. Stiefvater (stiefvam)	C:\_GISJOB_01 on GB111901	LS 304	1 tb by EOY 2018
<b>GISJOB-01</b> (backup)	Various XHD	LS 304	
<b>GISFIX-01</b> (master) 3 tb static storage Managed by M. Stiefvater (stiefvam)	GISFIX_01 (D:) on GB111901	LS 304	4 tb by EOY 2018
<b>GISFIX-01</b> (backup)	Various XHD	LS 304	
<b>GISDUMP-01</b> (master) 4 tb static storage Managed by M. Stiefvater (stiefvam)	GISDUMP_01 (E:) on GB111901	LS 304	5 tb by EOY 2018
<b>GISDUMP-01</b> (backup)	Various XHD	LS 304	

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