

- CHECK ARCHIVED all JS from expo server (into /expofiles/)
 - ↳ /media/javascript/ connect to JSURL_LIB
- IDENTIFY all JS ACTUALLY IMPORTED OR REFERENCED
 - ↳ INCLUDING IN ADMIN TOOLS within DJANGO install files.
- CHECK ALL DOCUMENTED IN OTHER SCRIPTS. ← LINK
 - ↳ + LINK TO /toggle/serverconfig.html
- FIND ALL USE OF JQUERY IN EXPOWEB & PROBLEP PAGES
 - ↳ all \$(eg. AND FIND WHICH JS IT ~~LOADS~~ LOADS FROM.
- IDENTIFY WHAT JS USE IS BROKEN ! ← WHY NO ERROR MESSAGES?
- UPDATE TO A LATER jquery ONLY AFTER I HAVE FOUND ALL THE USES.
 - ↳ WHAT IS JQUERY-VI ??
- UPDATE Tiny MCE for EDIT THIS PAGE. ← TRY INLINE SETTING?
- ADMIN NAV CODE: BREAKS ON Dj 3.1. WHY? WHAT IS MISSING?
 - ↳ CSS FILES.
- CHECK FOR LINKS TO /STATIC/ADMIN/
- FIND THE PATHS USED FOR MEDIA subclasses in core/admin.py
 - ↳ DOCUMENT THEM IN THE CODE.
- MOVE expofiles/scripts → expoweb/scripts/old for archiving.
 - DOCUMENT THIS IN HANDBOOK → "SHEET+SCRIPT EDIT"
- ADD BACK CODEMIRROR ← WHAT WAS IT USED FOR? SVX??
- FIX CAVEVIEW SOMETHING?!
- CHECK I HAVE REMOVED ALL OLD NAV JS IN TEMPLATES.

Expo (17) DRAWINGS - THERION & TUNNEL

1 MAY 2021

- INFO & RAW PAGES FOR EACH TYPE. ^{TUNNEL}
- INFO: THERION → XML, → ptext, → related files
↳ + LINK TO WALLET INDEX FOR THIS DWG.
- GET XSLT TO DISPLAY RAW ← OR USE CODE VIEW?
- NB TUNNEL HAS INVALID XML FORMAT BUG. FIX ON THE FLY?

1 MAY 2021

29 APR 2021

EXPO(15) SURVEY BLOCKS

28 APR 2021

- DETECT MULTIPLE *REF IN BLOCK & REPORT (DATA ISSUE)
- 1930 *BEGINS } WHY? NO DUPLICATES?
1916 BLOCKS ←
- 103 ANONYMOUS BLOCKS - THIS IS OK. BUT REPORT ANYWAY?
- NO EXPEDITION ID FOR 352 BLOCKS ← GERMAN? CHECK *TEAM
- ALL CAVE_IDS ARE NOT USED: BLANK! if in expo list.
↳ either SET them & DELETE ~~them~~ the field.
- NO EXPEDITION-DAY VALUES. DELETE FIELD: UNUSED.
- 372 MISSING A DATE. SHOULD INHERIT FROM FILE/ASSEMBLY.
↳ yes, needs to be set I feel.
- ? MISSING *TEAM names → check if INHERITS?
- REPORT IF MISSING *REF
- *REPORT IF >1 *REF. NOT AN ERROR. M:N POSSIBLE.
- REMOVE QUOTES AROUND NAMES eg "BECKA" before storing.
- *FLOAT NOT SURFACE ← WHAT DOES THIS MEAN?
- ROOT BLOCK has TITLE "WEST OF LOSER" ← WHY? HOW?!
(comes from surface/gpx/2018)
- *SET NAMES = _ - ← IS THIS THE DEFAULT? EITHER ENFORCE OR IGNORE.
↳ are there any " " or "-" IN BLOCK NAMES?
- DESIGN FIVE DATE RANGES? ALLOWED BY SURVEY ⇒ DATA ISSUE!
- SURVEY PERSON ROLE STORED IN EACH BLOCK. DELETE ALL THIS!
↳ we don't need to know. Look in svx file if you care.
↑
↳ 319 ARE MISSING ANY PERSON_ID. ← WHY? WHY?

- i/entrance204f-small.jpg is NOT local to /1623/204/ as the paths are merged.
- glossary of passage NOT working /1623/204/atoz.html
- '?next=' not working when accessing LOGIN REQUIRES pages.
- 1626/2017-dm-01 NOT SHOWING ALL SURVEY FILES LIST.
LEAVE ALTERNATIVE URL for surveyfiles list.
- CAVEVIEW CLASHES [disable if no .3d file
WHY?

- :8000 port number is MISSING in URL links set in templates
eg. when running rnserv 0.0.0.0:8000 ON THE DEBIAN SERVER
{% url 'tunnelfile' tunnelfile, tunnelpath %} is correct { templates/
↑ the 'name' in URLS.PY } tunnelfiles.html
 - BUT {{ scansfolder.get-absolute-url }} FAILS to get the part.
- ALSO in links in personexpedition/DuncanCollis/1999
↳ NOT A GLITCH. A GENERIC THING.

EXPO 14 NEW CAVE REGISTRATION

- 1 MAY 2021

- FORM TO JOIN CAVE ID '2021-W-01' TO ~~STATE~~ WALLET 2021 #17
 - ↳ BEFORE ANY SVX FILE EXISTS.
 - ↳ BEFORE (?) ANY NOTES SCANNED FROM WALLET? — OR AFTER?
- ADDS CAVE ID TO PENDING LIST IMMEDIATELY. OR JUST CREATE THE CAVE_DATA FILE NOW?
- DATE TOO — FOR LINK TO LOGBOOK ENTRY LATER.
- 1623 or 1626 ⇒ SETS SLUG (NEEDS TO BE ABLE TO CHANGE LATER)
 - ↳ '1623-2021-W-01' → CAVE_DATA/wm.html
- ADD THIS TO DB (create a CAVE + DUMMY ENTRANCE)
- GIT UPLOADS THE CAVE_DATA file to :EXPWEB;
- LINKS TO "EDIT THIS CAVE" — ~~INDEX~~ ~~MAYBE RETURN~~

• MAKE EDITED SVX FILE COMMIT TO HG & GIT

• STILL HAVE TO COPY THE DOCU. <!-- COMMENTS --> from expweb/temp latex to toggle/templates/dataformat
↳ FOR ENTRANCES.

PENDING CAVE — DUMMY CREATION ON PENDING

- WRITE INTO 'NOTES' SECTION ⇒ HREFS TO
 - THIS DAY IN EXPO CALENDAR
 - SVX FILE — IF EXISTS!
 - HOW TO CHANGE THE FILENAME?
- THIS MEANS A NEW, UNIQUE SLUG
- REMOVE cave for PENDING CAVES list if we FIND a cavedescription file
CAVE PAGE
- ~~WAS URL REF ⇒ /cave/3d/1153d SHOULD BE ⇒ /expweb/cave/3d/...~~

• UPLOAD 114 EVIDENCE PHOTOS + G-PS.

- Use coroutines to load all SVX files in 1623 tree into MEMORY (NOT A PHYSICAL FILE) FOR THE LINEAR LOAD.
- CREATE INVERSE INDEX → SO IF ANY FILE IS EDITED, WE KNOW WHICH TO RE-PARSE BACK UP TO THE ROOT.
- KEEP ALL SVX FILES IN MEMORY (OR THOSE BITS WE CARE ABOUT ANYWAY) SO THAT RE-PARSING IS QUICK.
- WALK THE LOSER TREE & ALSO RECORD ALL SMND-LEAVES. FLAG AS SUCH.
- RUN PROFILER ON THE PARSING PHASE - WHAT IS TAKING THE TIME?
- CHANGE LOGIC: USE COROUTINES TO PARSE EACH SVX FILE INDIVIDUALLY AND KEEP RESULTS IN A TREE. THEN TRAVERSE THE TREE TO COLLECT UP RESULTS. IF SURVEX LOGIC FINDS A CASE THAT MEANS THAT DOWNSTREAM FILES NEED RE-PARSING, THEN DO THAT. MOST DON'T.
- CHECK NUMBER OF FILES & DIRECTORIES DONE TODAY. ANYTHING WRONG?
LEGS 26,466? 156.6km? 164682.013 'legs' ← WHY?! FIND BUGS
23032m?
1507 files? Why 1,481? WHY DID 26 GO?! ~~SPD~~ do TYPE() before ADD.

SURVEX DIRECTORIES

- ROOT DIRECTORY SHOULD NOT HAVE A CAVE_ID
↑ & not '#14501998X-01' ← FIX THIS.

SURVEX FILES

- MAKE .3d FILES → SPAWN AS SEPARATE PROCESSES? FIXED FORGET. WE DON'T NEED TO KNOW THE RESULT CODES. IS EXPWEBCACHE.3D CORRECT?
- FIX TERMINAL O/P FOR MEM usage to be consistent style
- EMAIL 2/8/2020 seen in VIEWS/SURVEX
- cannot open 137/Loser/1623.3d ← WHY NOT? SYMPTOM of a BUG.
- SURVEX STATIONS = 365 in LOAD POS. IS THIS THE CORRECT NO? CROSS-CHECK!
or a new REPORT.
- BUG 'TITLE' IN sumxfile/161 is not correct for a TOP LEVEL BLOCK.
- RECREATE noinfo/all.3d, all.tgz on PARSING INPUT.
- CHECK .3d FILE EXISTS AFTER PARSING or SVX EDITING ⇒ DATA ISSUE IF NOT!
↳ SOME SVX CAN'T BE RUN IN ISOLATION.
- COLLECT ALL .EMF FILES ON PARSING ⇒ ERROR PAGE OUTPUT REPORT

- lower case FOR ALL FUNCTION NAMES
- DOC STRINGS for all CLASSES • TO-DO for ALL FILES
- DOC STRINGS for all standalone FUNCTIONS
- Move all Makefile code into TROGGLER?
- STANDALONE GRAPHVIZ → generate NEW CLASS DIAGRAMS for Troggle
 - ↳ OR PARSE CLASSES → UML diagram builder?
- DATABASE RESET TO CHECK GIT STATUS ON INPUT. - IS GIT CLEAN?!
- RE-ENABLE STATIC FILES - for future plug ins. BUT DON'T USE OURSELVES!
 - ↳ django.views.static import serve ← ANNOTATE my code to MENTION THIS.
- ~~NEW TROGGLER ENTRY POINTS ARCHITECTURE for INCREMENTAL IMPORTS~~
 - ↳ ~~LAZY HOC FOR LOGBOOKS in expedition / <year> only so far.~~
- TO-DO pages
 1. Replace my hacks with <details> <summary> in BADM TODO PAGE
 2. LOOK FOR REPLACEMENT - like GITHUBS ISSUES.
- ~~REMOVE TROGGLER CONTROL PANEL~~
- XSLT COLORIZER for TUNNEL FILES ← option in Conditional or TinyMCE?
- PUPPET INSTALL for WHOLE SYSTEM, not just sh SCRIPTS.
- LIVE 'MESSAGE BOARD' ARCHITECTURE for "CURRENT OPERATIONS"
 - ↳ LONG-RUNNING ~~IMPORTS~~
 - ↳ LIVE REPORTS from INCREMENTAL EDIT/UPLOAD of BUGGY FILES
 - ↳ MOVE 'RECENT' from /troggle/ page → control panel page.
- SELENIUM TESTS for FINAL, LIVE SYSTEM.
- TROGGLER EXCEPTIONS ARCHITECTURE for PARSING
- OBJECT STORE SQL REPLACEMENT PROJECT
 - LOGBOOKS ALREADY COPIED INTO IT
 - LOGBOOKS NOT yet put in TROG store location.
 - NO MULTIUSER UPDATE! ← READ ONLY. OK
 - TO DO: CACHE PROC ON DISC SO SUMMITS RESTART → Need CACHE ATIME/TIMEOUT.
 - ↳ Logbooks already cached.
 - easy for encrypting EXCEPT SUMMEX files → need entire re-import of tree 1623.svx.
 - in-code FIND eg .objects.get(filter(katmeter=xx)) ALL need replacing!
 - ↳ DOES NOT WORK FOR TEST PLAYS WHICH DO SQL DB queries
 - ↳ REPLACE IN-TEMPLATE QUERIES WITH PASSED-IN DICTS OF DATA!

EXPO (7) DWG UPLONED FORKMS

18 APR 2021

- UPLONED ~~DATA~~ FILES ARE IN DB BUT NOT PROPERLY PAGED.
- READ OLD TUNNEL FILE UPLOAD FORM CODE.

• Do DRAWINGS FILES UPLOAD FIRST? → ~~IMG. COMMIT TOO!~~?

• Do SCANNED IMAGES UPLOAD to WALLETS FIRST?

UPLOAD a ZIP?
IS UPLOAD SIMLOG BOX.
↑ DRAG & DROP.

• Do PHOTOS UPLOAD FIRST?
↑ fields for WHO & WHERE → a new typed "logbook"?

• ~~PREVENT OVERWRITING~~
• ADD UPLONED SCANS TO DATABASE?

• CAVE FILE XML 1623-XXX.html FILE UPLOAD alternative! → DESCRIPTION FILE.

↑ check ENTRANCES VALIDITY; require ENTRANCE FILE first?
• IMG SRC FORMAT IN <CAVE-description> → CHECK IF FILE EXISTS!
• IMAGE URL LOCALITY PROBLEM! → TEL USEL LINKS TO PUT THEM & BUILD WEG.

SCANNED IMAGES → 2020/2020#20 → NEW CAVE/WALLET REG. FORM
ALSO edit's JSON file.
• ASK for name of .svx file if relevant. } ie. populate the .json file!
• ASK for CAVE NAME }
- need a LIST of .svx files per wallet. of CHECK-SVX script (of .gitignore & permissions issues)

TUNNEL & TUBION FILES - AT THIS POINT THE ~~surveyScan~~ object does not exist as files have not been passed.

- DEFECT *REF to wallets. - is it fast? Recode using ~~GENERATORS~~?
- ↑ ASK IF 'many' format → ASK for WALLETS ref properly
- ASK for CAVE NAME
- ASK for .svx file → add to data list on survey file
- This is CHECK-REFS script re-coded in python in poses/drawings

IMAGE FILES FOR CAVE DESCRIPTIONS & entrances.

use a /based URL so it works whether the position of the page changes

- TRICKY! a new UPLOADS FORM? NO!
- AUTO-THUMBNAIL/SIZE? *
- NOT upload; take a reference to a photo uploaded to photos & re-size it!
- generates a [src=" "] string to insert into HTML cave descrip
- ↑ THIS IS VERY LIKE CUYC website page editor!

• Re-IMPORT a wallet AFTER a file UPLONED! → register the imported file → DB. (filename may differ!)
• SCP copy attempt of REMOTE EXPOFILES. [OR EMAIL?]
• create new SURVEYSCAN.DIR if the folder is created.
• ALSO DISPLAY COMMENTS, JSON info. → new surveyScan.

BUT

survey-scan/2014%252347/ has BGGVS .svx entry in list but = 'svx'. How?!
FIX IT 28/6/2020.

- MOVE all FUNCTIONS INTO TROUBLE?! → MULTIPLE YEARS TOO.
- make truggle pages IGNORE walletindex.html pages.
- CHECK if DATE in json MATCHES date in SVX.
↳ if json date BLANK, COPY from SVX. (if *ref is unique)
- CHANGE walletindex o/p DATE to MOST RECENT of included IMAGE FILES
- LINKS in HTML: relative or absolute? /home/exp v. /exp/dfs
- THINK about a consolidated report over all years
- TROUBLE - DESIGN a CONSOLIDATED report in TROUBLE →
- STORE JSON CROSS-REF DATA in EXPENSES or DRAWINGS.
- CHECK if PEOPLE in json is EMPTY → COPY FROM SVX.
↳ BUT need to find relevant BLOCK inside SVX file!
- IF NO SVX FILE in json → Look for NAME of PASSAGE in SVX.
↳ RENAME #X01 → #71 etc.
↳ & FIX refs.
↳ Look for DATE MATCH
- ~~CHANGE DATE TO DATE-RANGE~~ (2)
- EXTEND WALLETS.PY to manage a LIST of [-SVX] files
- 1999: WRITE NEW SCRIPT to RENAME SUBFORWARDS as 1999#01 etc & INSERT NAME in the new contents.json
- currently the standalone scripts doing TWO-WAY SVX/WALLET consistency check do so by SCANNING SVX files.
↳ THERE is NO CHECK that the WALLET is CORRECT.
↳ Some wallets may point to NON-EXISTENT SVX files!
↳ POST THESE ERRORS into the SVX-REFS FAULT o/p page.
- Some wallets may NEED NO SVX files?
- COMBINE SVX check script with WALLETS.PY
↳ BETTER: put both into TROUBLE.
- The TROUBLE 'TASKS TO DO' PAGE (on the truggle MENU) was MEANT TO BE the equivalent of the WALLETINDEX per carver.

SURVEY_SCANS

← DISPLAY LINK.

SOON

- the display of a 'wallet' / survey-scans / 2016#14 should have a LINK to the wallets page as well as the component images.
- Expedition YEAR page also needs link to WALLETS TODO page.
↳ DISPLAY CHECK LINK.
- Person expedition page also needs link to person's wallet TODO page.
↳ DISPLAY LINK.

- MORE FIXTURES for SURVEX FILE VIEWS
- create test input .xml, .svx, logbook.html to TEST PARSERS
- test prospecting-guide → needs FIXTURES
- ~~write script to generate tests for all URLs in urls.py?~~
 - ↳ to do live? } NO. MANUAL needed.
 - ↳ into test suite }
- FIXTURES for .3d files
- FIXTURES for /tunnel/draw/ test
- ENABLE sqlite == memory; for ON-SERVER testing.
- INSTALL coverage properly & integrate into TESTS. {EFFECTIVE PYTHON #70.}
- add generation of new svx file to tests (the default content of the form)
- add test to RUN the form ~~is~~ running, cache on an svx file
 - ↳ best done in SELENIUM? ↳ & file appears in SDCACHEDIR/3d/?
- TEST THAT 'cave' & 'survexpart' are installed & work as a test file.
- DO TEST AGAIN set REMOTE EXPO FILES to expo.smox.com.
- TEST POST forms & check (a) data received (b) correct response. = UPLOAD EDIT CAVE/ENT. IMAGINE PEOPLE?
- TEST PAGES: CaveIndex, Cave-204 page ← FIXTURE
 - New Cave Form
 - New Entry Form on Cave
 - FIXTURE → Expediti day
 - FIXTURE → LOGBOOK ENTRY
- NEED test for person expediti? /2018 ✓ ← Fix logbook env.
 - ↳ need FIXTURE so this actually shows a TRIP & a LOGBOOK ENTRY.
- MORE TESTS WITH & WITHOUT '/' TERMINATION.

PROFILING

- install & run PROFILER on SVX IMPORT.

- IMPORT using COROUTINES to speed up.
- What does `expo://logbooksearch` do? Looks promising.
- REFACTOR `parsers/logbook.py` & load from shelve file?
- create `DataIssue` if 'place' does not match a cave (etc.)
- remove long text dp from `parser`. Do a log file instead.
- ~~FIX IMAGE DISPLAY of DBs inside TROG - relative to source logbook dirs:~~
- RE-PARSE logbooks 1982-1989 & 2009. check in detail.
- in DB, 'FILENAME' are all blank - why?! fix it.
- RE-BUILD LOGBOOK caches on date of code itself? how?
- ~~VIRTUAL Logbook entries (2009) - is this a real problem?~~
- ~~1982 not parsed at all?~~
- Create FLAG in TROG to say 'currently importing' so all views wait!
 ↑ use MIDDLEWARE to do this?
- ~~2008 & 2009 have EJ around trip title - why?~~
- add cave id to LBEs where title identifies cave eg 'Tinnocks', Needs manual fix 2009.
- REBUILD 2003 Logbook ⇒ 2005 HTML format & remove old pages.
- USE TROG TO NOY/FIX get person expedition (of FOLK page) CAVE.
- MOVE CACHE FILES TO EXPWEB CACHE/LOGBOOKS

EXPO (2) FOLK & PEOPLE

31 JUL 2020

JSON FOR
ARCHIVED
EXPOS?

- Design new FOLK IMPORT → ~~direct~~ ^{overwrite folk.html by TROUBLE} ~~for~~ FOLK.CSV
 - Make ~~make-folklist.py~~ USE TROUBLE NAME PARSECS!
 - ~~DOCUMENT HANDBOOK~~ → note on name recogniser in FOLK UPDATE page
 - create simple script to ADD EXTRA YEAR to current system & to VALIDATE number of fields in each row!
↳ addnext(), removeLast()
 - ~~DOCUMENT TODO & HANDBOOK~~ List of all ~~name~~ ^{name} mismatches. (HERE on Runwith Breaks)
- TROUBLE → install TRY/CATCH when FOLK LINK BREAKS TO give decent error message page!
- 3 places for IDs: folk.csv, in SVX parser, in LOGBOOKS parser.
 - in MAKE-FOLKLIST.py make each "1" be href to PERSONEXPOSITION page
 - ENTIRE 'NEXT YEAR' VALIDATION script: check all bits have been done!
 - make list of BAD folk names eg. RHOAKIDH → TODO list with code refs to the 3 different parsers
 - TRY/CATCH around bad folk names links - or pre-check link is live.
 - ~~COMBINE & CROSS LINK the FOLK person page with TROUBLETRIP person page.~~
 - ~~PUT PHOTO on the trouble person page too. MUGSHOTS.~~
 - ~~fix MUGSHOTS on folk pages. parse the HTML scraps & add fix URL/fit.~~
 - cross ref FOLK BIOG → TROUBLE PERSON BIOG
↳ REMOVE as separately viewable file?!

EXPO (1) HANDBOOK - expoweb

18 APR 2021

- document XML/SVX, SVX/wallet pages AFTER they have been toggled.
↳ in TUNNEL & WALLETS doc. REF. checkis.
- restructure my laptop doc. to separate out CAVE DATA maintenance from s/w system maintenance i.e. use sumexd tunnel locally but use ONLY FILE UPLOAD (no rsync!) to do stuff. *EXPO PASSWORDS - how to get it.
- ~~ADY handbook/toggle/trog manual.~~
- ~~FINISH New Cave/Entrance documentation: ADD NEW CAVE.~~
- EDIT BRENDAN'S pptx - using notes on paper copy.
- Draw TREE DIAGRAM of SURVEY HANDBOOK PAGE STRUCTURE
↳ Main 1 → 6 + SIDE BRANCHES! use 'tree'.
- Document DATAFLOW files } → parsers → DB → page reports.
- ADD i Clone Use of Core Editor/Scan Upload/Entrance Editor for DATA MAINTENANCE
- ~~DOCUMENT SCAN UPLOAD form in CAVE SURVEY PROCESS.~~

TROGGLE - DOCUMENTATION

- ACCESSIBILITY DESIGN GOALS: NO POPUPS, NO SINGLE-PAGE APPS.; GOV. GUIDELINES.
- DESCRIBE URL routing issue: DON'T DUPLICATE
↳ WHEN to use concrete URLs eg ../css/main2.css
- BRIEFLY describe DJANGO ADMIN docs/ ^{CLASS} structure USEFULNESS - TROGARCH.
↳ & IN UML page.
- explain core/admin.py & Django serialization.
- collect all NON-ZERO .env files from CAVERN → some to DATA ISSUES
- PAGE FOR EACH MAJOR OBJECT TYPE: CAVE, PERSON etc. ↳ a new report page?
- NEED THINGS I WISH I'D KNOWN page for toggle/Dj programmer.
- ① ↳ sumexblade_set_att() is INVERSE mapping it; on scanner: \$ look sensj.
- ② how %url() works. ③ URL is PROBABLY where the problem is!
- ④ WHAT THE CARBONIMITES ARE and all the object relationships!
• important inspect_att.py → clone it → handbook page. DON'T CLEAN IT UP.
- ⑤ it is WSGI driven i.e. GET req is URL! → VIEWS ^{CREATE} → RESPONSE PAGES
↳ TEMPLATE
- ~~BAD LINK trog/django.html LINKS to survey files/caves~~

EXPO(11)

SERVER

-6 MAY 2021

- SETUP SCRIPT for UBUNTU
 - ↳ inc PERMISSIONS for expo:www-data
 - RECONCILE Wookay's & my README.txt
 - MariaDB too? mysql client & patch?
 - CaveView & jquery install /JSLIB/
 - BINS & Makefile
 - Anachron install
 - XAPIAN text search
 - DJANGO ADMIN TEMPLATES & static/images for icons
 - cgit INSTALL
 - CODE MIRROR install
 - Tiny MCE install.
- PUPPET install eventually.

6 MAY 2021