

### BIEN 3 - Issue status report

| #   | Status   | Priority  | Subject   | Assignee              | Updated             | Due date | % Done |
|-----|----------|-----------|---|-----------------------|---------------------|----------|--------|
| 966 | New      | Normal    | figure out why some rows are not getting geoscrubbed  | Aaron Marcuse-Kubitza | 10/25/2014 03:29 PM |          | 0      |
| 963 | New      | High      | fix slow loading of pages hosted on vegbiendev  | Aaron Marcuse-Kubitza | 10/16/2014 12:47 PM |          | 0      |
| 962 | New      | High      | walk through loading of datasources from scratch  | Aaron Marcuse-Kubitza | 10/16/2014 09:38 AM |          | 0      |
| 952 | New      | High      | refresh GBIF so it can be published   | Aaron Marcuse-Kubitza | 09/16/2014 05:12 PM |          | 0      |
| 949 | New      | Normal    | fix shortened view_full_occurrence_individual column names that are now ambiguous   | Aaron Marcuse-Kubitza | 10/03/2014 03:22 PM |          | 0      |
| 946 | New      | Normal    | update the column names in the VegBIEN example queries to reflect Brian M's renamings   | Aaron Marcuse-Kubitza | 04/28/2017 04:34 AM |          | 0      |
| 944 | New      | High      | fix phpPgAdmin bug that crashes the DB when browsing large tables   | Aaron Marcuse-Kubitza | 04/28/2017 04:35 AM |          | 0      |
| 938 | New      | Normal    | Enquist's taxon validation  | Aaron Marcuse-Kubitza | 06/25/2014 01:19 PM |          | 0      |
| 936 | New      | High      | in TNRS client, detect Internal Server Errors when they occur instead of after the pauses have timed out                      | Aaron Marcuse-Kubitza | 06/05/2014 04:42 AM |          | 0      |
| 932 | New      | Normal    | Discovering BIEN data through iPlant  | Brian Enquist         | 05/22/2014 04:43 PM |          | 0      |
| 931 | New      | Normal    | BIEN db at iPlant   | Martha Narro          | 05/22/2014 04:32 PM |          | 0      |
| 929 | New      | Normal    | change TNRS client to store metadata  | Aaron Marcuse-Kubitza | 06/26/2014 05:24 PM |          | 0      |
| 915 | New      | Normal    | Taxon Name Validation   | Aaron Marcuse-Kubitza | 04/28/2017 04:21 AM |          | 0      |
| 909 | New      | Normal    | in aggregating validations pipeline, support using input result sets from CSVs instead of only by querying the staging tables | Aaron Marcuse-Kubitza | 05/03/2014 05:30 PM |          | 0      |
| 908 | New      | Normal    | generate the source-general derived columns directly on the denormalized staging table  | Aaron Marcuse-Kubitza | 04/28/2017 04:39 AM |          | 0      |
| 899 | New      | Normal    | remove dependencies on Mac  | Aaron Marcuse-Kubitza | 04/16/2014 10:14 PM |          | 0      |
| 898 | New      | Immediate | remove dependencies on the development machine  | Aaron Marcuse-Kubitza | 11/17/2014 08:47 AM |          | 0      |
| 886 | New      | Immediate | move test DB to vegbiendev VM   | Aaron Marcuse-Kubitza | 11/17/2014 08:27 AM |          | 0      |
| 884 | Rejected | High      | fix Postgres bug that causes query planner to use seq scans and slow sorts instead of index scans in the import               | Aaron Marcuse-Kubitza | 04/23/2014 04:00 PM |          | 0      |
| 883 | Rejected | Normal    | have import scripts regularly check disk space and pause processes if getting close to limit                                  | Aaron Marcuse-Kubitza | 10/03/2014 03:21 PM |          | 0      |
| 882 | Rejected | High      | add limit on the # of parallel import processes   | Aaron Marcuse-Kubitza | 04/02/2014 10:10 AM |          | 0      |
| 878 | New      | Normal    | fix crow's foot notation in ERD   | Aaron Marcuse-Kubitza | 04/16/2014 10:16 PM |          | 0      |
| 871 | New      | Normal    | grant bien_read access to validation result tables  | Aaron Marcuse-Kubitza | 02/23/2014 08:03 PM |          | 0      |
| 870 | New      | Normal    | grant bien_read access to publishable staging tables  | Aaron Marcuse-Kubitza | 02/23/2014 08:02 PM |          | 0      |
| 869 | New      | Immediate | enable schema changes to be made on vegbiendev rather than the development machine  | Aaron Marcuse-Kubitza | 11/17/2014 08:47 AM |          | 0      |
| 859 | New      | Normal    | fix slowness in _taxonlabel_set_parent_id()   | Aaron Marcuse-Kubitza | 01/20/2014 09:14 PM |          | 0      |

| #   | Status   | Priority | Subject  | Assignee              | Updated             | Due date | % Done |
|-----|----------|----------|--|-----------------------|---------------------|----------|--------|
| 857 | New      | Normal   | standardize taxon ranks to a common vocabulary   | Aaron Marcuse-Kubitza | 01/16/2014 10:40 AM |          | 0      |
| 856 | New      | Normal   | data provider feedback tables: include the individual records that have errors                                     | Aaron Marcuse-Kubitza | 01/16/2014 10:42 AM |          | 0      |
| 831 | New      | High     | make tests use their own public schema   | Aaron Marcuse-Kubitza | 07/28/2014 04:50 PM |          | 0      |
| 816 | New      | Normal   | re-run TNRS on mis-scrubbed names  | Aaron Marcuse-Kubitza | 01/09/2014 09:44 AM |          | 0      |
| 815 | New      | Normal   | auto-prepend table name to columns   | Aaron Marcuse-Kubitza | 11/08/2013 10:10 PM |          | 0      |
| 814 | New      | High     | rename columns by name, not position   | Aaron Marcuse-Kubitza | 10/31/2014 03:24 PM |          | 0      |
| 767 | New      | High     | autodetect column mismatches   | Aaron Marcuse-Kubitza | 03/18/2014 03:15 AM |          | 0      |
| 636 | New      | Normal   | support TNRS-matching names in "", insted of encoding them and letting TNRS return no match                        | Aaron Marcuse-Kubitza | 04/28/2017 05:13 AM |          | 0      |
| 581 | New      | Normal   | mechanism to dynamically autopopulate NOT NULL values  | Aaron Marcuse-Kubitza | 03/06/2013 10:57 PM |          | 0      |
| 580 | New      | Normal   | automap each word *in* a VegCore term instead of just the whole term   | Aaron Marcuse-Kubitza | 03/06/2013 09:08 PM |          | 0      |
| 579 | New      | Normal   | in sql_gen.EnsureNotNull, use ARRAY[] instead of COALESCE() to wrap values where NULL should be compared literally | Aaron Marcuse-Kubitza | 03/06/2013 08:45 PM |          | 0      |
| 578 | New      | Normal   | replace all fields of type text with a domain type that ensures the value is non-empty (not "")                    | Aaron Marcuse-Kubitza | 03/06/2013 02:08 PM |          | 0      |
| 576 | New      | Normal   | merge the datasources' mappings into the VegCore data dictionary   | Aaron Marcuse-Kubitza | 03/05/2013 05:09 AM |          | 0      |
| 574 | New      | Normal   | mechanism to manually override the CSV dialect, encoding, etc.   | Aaron Marcuse-Kubitza | 02/26/2013 12:48 PM |          | 0      |
| 573 | New      | Normal   | automap the analytical DB columns  | Aaron Marcuse-Kubitza | 03/05/2013 09:41 PM |          | 0      |
| 566 | New      | Normal   | automatically adjust staging tables for easier mapping   | Aaron Marcuse-Kubitza | 02/14/2013 11:04 AM |          | 0      |
| 564 | New      | Normal   | make all VegBIEN column names globally unique  | Aaron Marcuse-Kubitza | 03/09/2013 02:10 AM |          | 0      |
| 563 | New      | Normal   | refactor VegBIEN to use VegCore terms  | Aaron Marcuse-Kubitza | 02/14/2013 06:33 AM |          | 0      |
| 562 | New      | Normal   | flatten the mappings   | Aaron Marcuse-Kubitza | 03/28/2014 03:05 AM |          | 0      |
| 561 | New      | Normal   | make VegBIEN ID fields plain-text instead of numeric   | Aaron Marcuse-Kubitza | 12/03/2013 05:54 AM |          | 0      |
| 548 | New      | Normal   | remove benign errors from the data provider feedback tables  | Aaron Marcuse-Kubitza | 12/20/2012 02:36 PM |          | 0      |
| 539 | Rejected | Normal   | get analytical_stem_view to use merge joins instead of hash joins  | Aaron Marcuse-Kubitza | 03/28/2014 02:55 AM |          | 0      |
| 522 | New      | Normal   | fix deadlock when multiple testers are running simultaneously  | Aaron Marcuse-Kubitza | 10/12/2012 01:06 AM |          | 0      |
| 500 | New      | Normal   | when lower rank has name concatenated together, use lowest rank as the scientific name                             | Aaron Marcuse-Kubitza | 09/24/2012 01:02 PM |          | 0      |
| 490 | New      | Normal   | change import.stats.xls to use field rather than row count   | Aaron Marcuse-Kubitza | 09/10/2012 06:55 PM |          | 0      |
| 477 | Rejected | Normal   | allow putting specimens data directly in the top level of the datasource directory                                 | Aaron Marcuse-Kubitza | 12/06/2012 08:13 PM |          | 0      |
| 476 | New      | Normal   | develop map spreadsheet -> header override file translation utility  | Aaron Marcuse-Kubitza | 09/10/2014 03:58 PM |          | 0      |
| 474 | Rejected | Normal   | use svn to figure out when a map file has changed and needs to be cleaned up                                       | Aaron Marcuse-Kubitza | 12/06/2012 08:21 PM |          | 0      |
| 472 | Rejected | Normal   | replace accessioncodes with datasource_id+sourceaccessioncode  | Aaron Marcuse-Kubitza | 02/14/2013 07:18 AM |          | 0      |
| 469 | New      | Normal   | give everyone their own account on vegbien   | Aaron Marcuse-Kubitza | 08/27/2012 05:52 PM |          | 0      |

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| 466 | Rejected | Normal   | column-based import: avoid most exceptions by introspecting the DB structure instead of waiting for a parseable exception to be raised | Aaron Marcuse-Kubitza | 10/03/2013 01:03 PM |          | 0      |
| 461 | New      | Normal   | don't display warning when nullable boolean columns are handled without using COALESCE()   | Aaron Marcuse-Kubitza | 08/01/2012 06:57 AM |          | 0      |
| 459 | New      | Normal   | data provider feedback: propagate srcs (input columns for an intermediate column) for all tables, not just SQL functions?              | Aaron Marcuse-Kubitza | 07/30/2012 07:49 PM |          | 0      |
| 457 | New      | Normal   | use driver-native autocommit mode instead of our custom autocommit implementation  | Aaron Marcuse-Kubitza | 07/30/2012 07:19 PM |          | 0      |
| 456 | New      | Normal   | test that querying the DB uses the unique indexes instead of a seq scan  | Aaron Marcuse-Kubitza | 07/30/2012 07:07 PM |          | 0      |
| 453 | New      | Normal   | cluster vegbien tables periodically  | Aaron Marcuse-Kubitza | 07/30/2012 06:50 PM |          | 0      |
| 451 | New      | Normal   | verify database contents as part of automated testing  | Aaron Marcuse-Kubitza | 07/30/2012 06:25 PM |          | 0      |
| 450 | New      | Normal   | cast all untyped literals as text using cast_literal()   | Aaron Marcuse-Kubitza | 07/30/2012 04:24 PM |          | 0      |
| 449 | New      | Normal   | optimize JOINS on existing rows  | Aaron Marcuse-Kubitza | 07/30/2012 04:15 PM |          | 0      |
| 448 | New      | Normal   | timeout ANALYZE queries  | Aaron Marcuse-Kubitza | 07/30/2012 04:15 PM |          | 0      |
| 446 | New      | Normal   | fix deadlock in INSERT IGNORE replacement  | Aaron Marcuse-Kubitza | 02/23/2014 08:01 PM |          | 0      |
| 387 | New      | Normal   | count how many duplicates between Canadensys and GBIF  | Aaron Marcuse-Kubitza | 03/16/2012 02:59 PM |          | 0      |
| 368 | Rejected | Normal   | get TEAM VegX data   |                       | 09/17/2012 07:02 AM |          | 0      |
| 365 | Rejected | Normal   | retrieve taxonomic hierarchy in analytical layer by using dynamic queries to external sources  |                       | 11/08/2012 03:27 AM |          | 0      |
| 357 | Rejected | Normal   | make shortlist of 1st-level fields a method should have  |                       | 02/10/2012 02:43 PM |          | 0      |
| 341 | New      | Normal   | create verbal descriptions of edge cases   | Brad Boyle            | 01/27/2012 03:03 PM |          | 0      |
| 339 | New      | Normal   | have "schema showdown"   |                       | 01/24/2012 06:32 PM |          | 0      |
| 337 | Closed   | Normal   | VegBIEN table renames  | Aaron Marcuse-Kubitza | 01/20/2012 03:02 PM |          | 0      |
| 335 | Rejected | Normal   | Look into using Sybase Powerbuilder or IBM Enterprise Vision to map data   | Aaron Marcuse-Kubitza | 11/08/2012 03:31 AM |          | 0      |
| 332 | Rejected | Normal   | switch to VegX 1.5.3   | Aaron Marcuse-Kubitza | 08/06/2012 11:14 PM |          | 0      |
| 330 | Rejected | Normal   | DwC extension to VegX  | Aaron Marcuse-Kubitza | 02/24/2012 02:08 PM |          | 0      |
| 329 | New      | Normal   | make website user-protected  | Aaron Marcuse-Kubitza | 04/02/2012 08:54 AM |          | 0      |
| 328 | New      | Normal   | get raw data rather than flat file exports from RAINFOR  | Brad Boyle            | 01/12/2012 04:21 PM |          | 0      |
| 326 | Rejected | Normal   | generic MOU template to request data   |                       | 04/10/2014 03:21 AM |          | 0      |
| 315 | New      | Normal   | Import TurboVeg data   | Aaron Marcuse-Kubitza | 04/02/2012 08:54 AM |          | 0      |
| 309 | Rejected | Normal   | mapping and export utility from VegBank to VegX  | Aaron Marcuse-Kubitza | 12/06/2012 08:16 PM |          | 0      |
| 298 | New      | Normal   | Try to find source of DwCA (DwC Archives) data   | Brad Boyle            | 12/14/2011 02:08 PM |          | 0      |
| 293 | New      | Normal   | mapping inversion script   | Aaron Marcuse-Kubitza | 12/14/2011 02:31 PM |          | 0      |
| 292 | New      | Normal   | VegBank metadata query mechanism   | Aaron Marcuse-Kubitza | 11/08/2012 03:42 AM |          | 0      |
| 961 | New      | High     | test that staging tables can be reloaded from scratch  | Aaron Marcuse-Kubitza | 10/26/2014 05:16 PM |          | 10     |

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|-----|----------|----------|--|-----------------------|---------------------|------------|--------|
| 383 | New      | Normal   | convert VegBank data dictionary to database comments   | Aaron Marcuse-Kubitza | 09/17/2012 10:06 AM |            | 20     |
| 544 | New      | Normal   | integrate creation of analytical DB into automated testing   | Aaron Marcuse-Kubitza | 10/03/2013 01:00 PM |            | 30     |
| 465 | New      | Normal   | move issue tracker comments to wiki pages to ensure version history                                    | Aaron Marcuse-Kubitza | 10/03/2013 01:03 PM |            | 30     |
| 303 | New      | Normal   | Mapping from VegBIEN to original VegBank   | Aaron Marcuse-Kubitza | 01/04/2012 04:49 PM |            | 30     |
| 482 | New      | Normal   | translate README.TXT to wiki page  | Aaron Marcuse-Kubitza | 10/03/2013 01:01 PM |            | 40     |
| 317 | Rejected | High     | Direct mapping from VegX to VegBIEN  | Aaron Marcuse-Kubitza | 09/17/2012 06:58 AM |            | 40     |
| 300 | New      | Normal   | TurboVeg data  | Aaron Marcuse-Kubitza | 12/16/2011 12:31 PM |            | 40     |
| 947 | New      | Normal   | have all scripts that replace DB items rename the existing item out of the way rather than dropping it | Aaron Marcuse-Kubitza | 10/03/2014 03:17 PM |            | 50     |
| 577 | Rejected | Normal   | use views instead of map spreadsheets to store the datasource mappings                                 | Aaron Marcuse-Kubitza | 03/18/2014 03:10 AM |            | 50     |
| 560 | New      | Normal   | move VegCore data dictionary to a phpPgAdmin-accessible database                                       | Aaron Marcuse-Kubitza | 10/03/2013 01:00 PM |            | 50     |
| 467 | New      | Normal   | underline all to do items in meetings notes  | Aaron Marcuse-Kubitza | 10/03/2013 01:02 PM |            | 50     |
| 378 | New      | Normal   | create automated feedback mechanism  | Aaron Marcuse-Kubitza | 07/20/2012 06:31 AM |            | 50     |
| 320 | Rejected | Normal   | Convert user-defined VegX fields to first-class fields   | Aaron Marcuse-Kubitza | 10/03/2013 01:08 PM |            | 50     |
| 953 | New      | High     | CVS and VegBank data   | Aaron Marcuse-Kubitza | 04/28/2017 04:30 AM |            | 60     |
| 928 | New      | High     | switch to new TNRS setup   | Aaron Marcuse-Kubitza | 08/25/2014 05:19 PM | 05/16/2014 | 60     |
| 916 | New      | High     | Taxon name validation: VegBank   | Aaron Marcuse-Kubitza | 06/19/2014 11:00 AM | 05/16/2014 | 60     |
| 575 | New      | Normal   | put all wiki attachments in svn  | Aaron Marcuse-Kubitza | 10/03/2013 12:56 PM |            | 60     |
| 943 | New      | High     | in TNRS, the Constrain by Source option is applied incorrectly to the results download                 | Aaron Marcuse-Kubitza | 10/24/2014 03:18 PM |            | 70     |
| 934 | New      | High     | Data Dictionary  | Aaron Marcuse-Kubitza | 10/03/2014 03:19 PM | 06/06/2014 | 70     |
| 901 | New      | Normal   | schedule regular pg_dump backups of the DB   | Aaron Marcuse-Kubitza | 04/23/2014 03:16 PM |            | 70     |
| 485 | New      | Normal   | track data provider's citation requirements in VegBIEN   | Aaron Marcuse-Kubitza | 04/10/2014 03:19 AM |            | 70     |
| 366 | Rejected | Normal   | refactor VegX  | Aaron Marcuse-Kubitza | 08/06/2012 11:15 PM |            | 70     |
| 945 | New      | High     | incorrect synonym being selected in TNRS   |                       | 10/17/2014 03:40 PM |            | 80     |
| 917 | New      | Normal   | TNRS: Instructions for new version with TPL  | Aaron Marcuse-Kubitza | 04/28/2017 04:38 AM |            | 80     |
| 440 | New      | Normal   | aggregating validations of imports   | Aaron Marcuse-Kubitza | 03/28/2014 02:53 AM |            | 80     |
| 296 | Resolved | Normal   | Direct mapping from native salvias_plots MySQL database to VegBIEN                                     | Aaron Marcuse-Kubitza | 02/09/2012 05:34 PM |            | 80     |
| 937 | New      | Normal   | fix missing date fields  | Aaron Marcuse-Kubitza | 10/03/2014 03:18 PM |            | 90     |
| 486 | New      | Normal   | add unit-conversion mechanism  | Aaron Marcuse-Kubitza | 10/08/2012 07:16 PM |            | 90     |
| 424 | New      | Normal   | Finish translating XML functions to SQL functions for column-based import                              | Aaron Marcuse-Kubitza | 10/03/2013 01:05 PM |            | 90     |
| 349 | New      | Normal   | make ERD of full schema  | Aaron Marcuse-Kubitza | 02/04/2012 03:27 PM |            | 90     |
| 346 | New      | Normal   | add georeferencing support to schema   | Aaron Marcuse-Kubitza | 10/03/2013 01:06 PM |            | 90     |
| 286 | New      | Normal   | CSV-XML-database mapping script  | Aaron Marcuse-Kubitza | 12/15/2011 01:03 PM |            | 90     |

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| 965 | Resolved | High     | some VegBank plots are missing the plot name   | Aaron Marcuse-Kubitza | 10/19/2014 06:35 PM |          | 100    |
| 957 | Resolved | High     | add mechanism to customize NULL-equivalent strings used by staging table import                      | Aaron Marcuse-Kubitza | 10/14/2014 10:16 AM |          | 100    |
| 955 | Resolved | High     | fix geovalidation duplicated rows  | Aaron Marcuse-Kubitza | 10/14/2014 02:59 PM |          | 100    |
| 951 | Resolved | High     | test that `make install` is able to fully re-create vegbiendev                                       | Aaron Marcuse-Kubitza | 10/16/2014 09:28 AM |          | 100    |
| 950 | Resolved | High     | fix view_full_occurrence_individual_view rows with is_geovalid NULL                                  | Aaron Marcuse-Kubitza | 10/17/2014 11:27 AM |          | 100    |
| 948 | Resolved | High     | fix duplicated rows in view_full_occurrence_individual   | Aaron Marcuse-Kubitza | 09/04/2014 10:04 AM |          | 100    |
| 940 | Resolved | High     | resequence datasources in dependency order   | Aaron Marcuse-Kubitza | 07/14/2014 01:25 PM |          | 100    |
| 935 | Resolved | High     | TNRS crashes when scrubbing names with two infraspecific epithets                                    | Aaron Marcuse-Kubitza | 06/17/2014 05:25 PM |          | 100    |
| 927 | Resolved | Normal   | move morphospecies name formation to normalized DB   | Aaron Marcuse-Kubitza | 05/27/2014 09:24 PM |          | 100    |
| 907 | Resolved | High     | troubleshoot rsync verification errors   | Aaron Marcuse-Kubitza | 09/10/2014 05:45 PM |          | 100    |
| 905 | Resolved | High     | narrow down the cause of the import bug (incorrect join columns and disk space leak)                 | Aaron Marcuse-Kubitza | 04/28/2017 04:39 AM |          | 100    |
| 904 | Resolved | Normal   | add MySQL public user to allow accessing the normalized VegCore data dictionary                      | Aaron Marcuse-Kubitza | 04/28/2017 04:40 AM |          | 100    |
| 903 | Resolved | High     | fix Ubuntu 14.04 upgrade bug that prevents Apache from displaying vegbiendev.nceas.ucsb.edu properly | Aaron Marcuse-Kubitza | 04/28/2017 04:41 AM |          | 100    |
| 902 | Resolved | Normal   | fix bug that causes joining on the wrong columns in the import                                       | Aaron Marcuse-Kubitza | 04/28/2017 04:39 AM |          | 100    |
| 887 | Rejected | Normal   | fix disk space leak that fills the disk and crashes the import                                       | Aaron Marcuse-Kubitza | 04/28/2017 04:39 AM |          | 100    |
| 584 | Resolved | Normal   | enable running all the import steps from one runscrip  | Aaron Marcuse-Kubitza | 03/18/2014 03:07 AM |          | 100    |
| 565 | Resolved | Normal   | partition the TaxonDetermination table by row into the different types of determinations             | Aaron Marcuse-Kubitza | 04/13/2013 08:56 AM |          | 100    |
| 549 | Resolved | Normal   | add covering indexes on fkeys  | Aaron Marcuse-Kubitza | 01/04/2013 09:15 PM |          | 100    |
| 521 | Resolved | Normal   | make place* tables use a structure similar to taxonconcept   | Aaron Marcuse-Kubitza | 11/08/2012 03:07 AM |          | 100    |
| 501 | Resolved | Normal   | find out which datasources won't allow their data to be publicly accessible                          | Aaron Marcuse-Kubitza | 02/23/2014 07:57 PM |          | 100    |
| 499 | Resolved | Normal   | map example terms into the taxonomic schema  | Aaron Marcuse-Kubitza | 10/08/2012 07:15 PM |          | 100    |
| 498 | Resolved | Normal   | add definitions to columns in "green tables"   | Aaron Marcuse-Kubitza | 10/12/2012 05:01 AM |          | 100    |
| 497 | Resolved | Normal   | create examples of taxonomic names to test the limits of the new taxonomic schema                    | Brad Boyle            | 10/17/2012 12:02 PM |          | 100    |
| 495 | Resolved | Normal   | add separate datasource table rather than using party for this                                       | Aaron Marcuse-Kubitza | 11/08/2012 03:11 AM |          | 100    |
| 494 | Resolved | Normal   | add indexes for the analytical_db_view joins   | Aaron Marcuse-Kubitza | 09/18/2012 05:14 PM |          | 100    |
| 484 | Resolved | Normal   | support installing staging tables directly from a MySQL export                                       | Aaron Marcuse-Kubitza | 09/05/2012 08:26 AM |          | 100    |
| 483 | Resolved | Normal   | rename staging table columns according to map.csv  | Aaron Marcuse-Kubitza | 09/10/2014 03:56 PM |          | 100    |
| 480 | Resolved | Normal   | automate adding a new table to an existing datasource  | Aaron Marcuse-Kubitza | 08/27/2012 05:51 PM |          | 100    |
| 473 | Resolved | Normal   | use _merge instead of _alt to avoid losing source data on import                                     | Aaron Marcuse-Kubitza | 08/15/2012 07:49 AM |          | 100    |
| 471 | Resolved | Normal   | add make actions so new dependent maps are rebuilt automatically when their source map changes       | Aaron Marcuse-Kubitza | 08/28/2012 06:30 PM |          | 100    |

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| 470 | Resolved | Normal   | source terms from old versions of DwC to the DwC history page                                    | Aaron Marcuse-Kubitza | 02/14/2013 07:19 AM |          | 100    |
| 468 | Resolved | Normal   | rename/delete and recreate public schema in one transaction                                      | Aaron Marcuse-Kubitza | 03/05/2013 05:07 AM |          | 100    |
| 464 | Resolved | Normal   | reverse XPathS so that they start with location instead of plantobservation or specimenreplicate | Aaron Marcuse-Kubitza | 08/28/2012 06:31 PM |          | 100    |
| 463 | Resolved | Normal   | allow an input to appear multiple times in the same map spreadsheet                              | Aaron Marcuse-Kubitza | 08/03/2012 06:38 PM |          | 100    |
| 462 | Resolved | Normal   | name backups according to svn revision instead of or in addition to the date                     | Aaron Marcuse-Kubitza | 10/12/2012 04:56 AM |          | 100    |
| 458 | Resolved | Normal   | map all VegX sources to stems table  | Aaron Marcuse-Kubitza | 08/28/2012 06:29 PM |          | 100    |
| 455 | Resolved | Normal   | change summarizing queries to use vegbien staging tables   | Aaron Marcuse-Kubitza | 09/17/2012 07:01 AM |          | 100    |
| 454 | Resolved | Normal   | update summarizing queries for current schema  | Aaron Marcuse-Kubitza | 11/08/2012 03:22 AM |          | 100    |
| 452 | Resolved | Normal   | add column-based import to automated testing   | Aaron Marcuse-Kubitza | 08/28/2012 06:28 PM |          | 100    |
| 444 | Resolved | Normal   | test backing up entire DB  | Aaron Marcuse-Kubitza | 07/17/2012 03:39 PM |          | 100    |
| 443 | Resolved | Normal   | back up staging tables   | Aaron Marcuse-Kubitza | 07/17/2012 03:58 PM |          | 100    |
| 442 | Resolved | Normal   | test restoring of import backups   | Aaron Marcuse-Kubitza | 07/17/2012 03:51 PM |          | 100    |
| 441 | Resolved | Normal   | import CTFS data using JOINS from DB export, not VegX  | Aaron Marcuse-Kubitza | 09/17/2012 06:59 AM |          | 100    |
| 427 | Resolved | Normal   | Load all plots data  | Aaron Marcuse-Kubitza | 09/17/2012 07:07 AM |          | 100    |
| 426 | Resolved | Normal   | Reload DB using column-based import  | Aaron Marcuse-Kubitza | 07/02/2012 12:03 PM |          | 100    |
| 425 | Resolved | Normal   | Reimplement row-based logging mechanism for column-based import                                  | Aaron Marcuse-Kubitza | 06/19/2012 01:31 PM |          | 100    |
| 386 | Resolved | Normal   | load Canadensys data   | Aaron Marcuse-Kubitza | 02/14/2013 07:20 AM |          | 100    |
| 385 | Resolved | Normal   | implement mechanism to determine which specimenreplicates refer to the same specimen             | Aaron Marcuse-Kubitza | 03/23/2012 02:14 PM |          | 100    |
| 384 | Resolved | Normal   | prototype tree traversal algorithm   | Aaron Marcuse-Kubitza | 03/23/2012 02:14 PM |          | 100    |
| 377 | Resolved | Normal   | ask NYBG for direct access to server   | Brad Boyle            | 10/03/2013 01:06 PM |          | 100    |
| 374 | Resolved | Normal   | mechanism to export VegBIEN data to flat file  | Aaron Marcuse-Kubitza | 07/30/2012 06:19 PM |          | 100    |
| 373 | Resolved | Normal   | map all specimens data in raw_data   | Aaron Marcuse-Kubitza | 04/02/2012 10:42 AM |          | 100    |
| 372 | Resolved | Normal   | talk to Nick about proposed changes to VegX  | Aaron Marcuse-Kubitza | 03/05/2012 10:33 AM |          | 100    |
| 371 | Resolved | Normal   | formalize proposed changes to VegX   | Mark Schildhauer      | 06/01/2012 03:05 PM |          | 100    |
| 370 | Resolved | Normal   | create ERD of final schema   | Aaron Marcuse-Kubitza | 06/01/2012 03:06 PM |          | 100    |
| 369 | Resolved | Normal   | get CTFS data dictionary   | Aaron Marcuse-Kubitza | 03/23/2012 02:15 PM |          | 100    |
| 367 | Resolved | Normal   | get Univ of Arizona DwC data   | Brad Boyle            | 02/28/2012 04:43 PM |          | 100    |
| 358 | Resolved | Normal   | make shortlist of 1st-level fields a method should have  | Brad Boyle            | 02/21/2012 01:08 PM |          | 100    |
| 356 | Resolved | Normal   | support subplot events that link to parent plot events   | Aaron Marcuse-Kubitza | 02/10/2012 06:01 PM |          | 100    |
| 355 | Resolved | Normal   | implement morphospecies using a scoped plantconcept  | Aaron Marcuse-Kubitza | 02/10/2012 06:01 PM |          | 100    |
| 354 | Resolved | Normal   | list of deliverables for next week (2/6-2/10)  | Brad Boyle            | 02/04/2012 03:25 PM |          | 100    |
| 353 | Resolved | Normal   | add terms from previous versions of DwC to DwC-BIEN  | Aaron Marcuse-Kubitza | 02/28/2012 04:44 PM |          | 100    |

| #   | Status   | Priority | Subject   | Assignee              | Updated             | Due date   | % Done |
|-----|----------|----------|---|-----------------------|---------------------|------------|--------|
| 352 | Resolved | Normal   | create way to represent methods hierarchically in schema  | Aaron Marcuse-Kubitza | 02/21/2012 01:08 PM |            | 100    |
| 351 | Resolved | Normal   | list of fields and method attributes needed to know whether can combine data from different plots       | Brad Boyle            | 02/21/2012 01:09 PM |            | 100    |
| 350 | Resolved | Normal   | implement methods in VegBIEN  |                       | 02/21/2012 01:08 PM |            | 100    |
| 348 | Resolved | Normal   | 1st draft of schema   | Robert Peet           | 06/01/2012 03:07 PM | 02/29/2012 | 100    |
| 347 | Resolved | Normal   | revise milestones   |                       | 02/03/2012 05:33 PM |            | 100    |
| 345 | Resolved | Normal   | integrate GNRS into VegBIEN   |                       | 04/10/2014 03:24 AM |            | 100    |
| 344 | Resolved | Normal   | contact John about GNRS/georeferencing  | Jim Regetz            | 10/03/2013 01:07 PM |            | 100    |
| 343 | Resolved | Normal   | integrate TNRS into VegBIEN   |                       | 11/08/2012 03:32 AM |            | 100    |
| 342 | Resolved | Normal   | make DwC_BIEN schema  | Brad Boyle            | 02/09/2012 05:28 PM |            | 100    |
| 340 | Resolved | Normal   | put together definitions of abstract BIEN terms   |                       | 03/05/2013 05:04 AM |            | 100    |
| 338 | Resolved | Normal   | put together samples of SALVIAS data that aggregates individuals and stems in different ways            | Aaron Marcuse-Kubitza | 01/30/2012 04:12 PM |            | 100    |
| 336 | Resolved | Normal   | create VegBIEN ERD  | Aaron Marcuse-Kubitza | 01/19/2012 05:32 PM |            | 100    |
| 334 | Resolved | Normal   | which DarwinCore attributes do we want to include in the specimen table?                                | Brad Boyle            | 01/19/2012 11:30 AM |            | 100    |
| 333 | Resolved | Normal   | add traits table to VegBIEN   | Aaron Marcuse-Kubitza | 10/03/2013 01:07 PM |            | 100    |
| 331 | Resolved | Normal   | use VegX's individualOrganismObservation/relatedItem to model stems                                     | Aaron Marcuse-Kubitza | 01/19/2012 11:33 AM |            | 100    |
| 327 | Resolved | Normal   | look into Clio  | Mark Schildhauer      | 09/17/2012 07:09 AM |            | 100    |
| 325 | Resolved | Normal   | map CTFS data   | Aaron Marcuse-Kubitza | 06/01/2012 03:12 PM |            | 100    |
| 324 | Resolved | Normal   | NYBG validations  | Aaron Marcuse-Kubitza | 10/03/2013 01:08 PM |            | 100    |
| 323 | Resolved | Normal   | map NYBG data   | Aaron Marcuse-Kubitza | 02/09/2012 05:29 PM |            | 100    |
| 322 | Resolved | Normal   | get access to raw CTFS data   | Brad Boyle            | 01/19/2012 11:31 AM |            | 100    |
| 321 | Resolved | Normal   | Convert user-defined VegBIEN fields to first-class fields   | Aaron Marcuse-Kubitza | 04/02/2012 10:42 AM |            | 100    |
| 319 | Resolved | Normal   | Update statistics/lists of user-defined fields in use in VegX and VegBIEN                               | Aaron Marcuse-Kubitza | 04/02/2012 10:45 AM |            | 100    |
| 318 | Resolved | Normal   | decide whether to switch to VegX 1.5.2  |                       | 01/19/2012 11:29 AM |            | 100    |
| 314 | Resolved | Normal   | Import CTFS data  | Aaron Marcuse-Kubitza | 09/17/2012 07:03 AM |            | 100    |
| 313 | Resolved | Normal   | Import full NYBG data   | Aaron Marcuse-Kubitza | 02/09/2012 05:30 PM |            | 100    |
| 312 | Resolved | Normal   | Finish importing SALVIAS data   | Aaron Marcuse-Kubitza | 10/03/2013 01:09 PM |            | 100    |
| 311 | Resolved | Normal   | Decouple VegBIEN from VegBank and map directly from VegX to VegBIEN                                     | Aaron Marcuse-Kubitza | 01/05/2012 04:53 PM |            | 100    |
| 310 | Resolved | Normal   | automated build process   | Aaron Marcuse-Kubitza | 12/22/2011 12:31 PM |            | 100    |
| 308 | Resolved | Normal   | do a direct transfer of some public data from VegBank   | Aaron Marcuse-Kubitza | 11/08/2012 03:32 AM |            | 100    |
| 307 | Resolved | Normal   | Acquire additional specimen data sets in both DwC and DwCA format, esp. GBIF                            | Brad Boyle            | 10/03/2013 01:09 PM |            | 100    |
| 306 | Resolved | Normal   | Acquire additional plot data sets from providers willing to work with Aaron on mappings and validations | Brad Boyle            | 10/03/2013 01:09 PM |            | 100    |

| #   | Status   | Priority | Subject   | Assignee              | Updated             | Due date | % Done |
|-----|----------|----------|---|-----------------------|---------------------|----------|--------|
| 305 | Resolved | Normal   | Complete full-dataset validations for NYBG & SALVIAS                            | Aaron Marcuse-Kubitza | 10/03/2013 01:09 PM |          | 100    |
| 304 | Resolved | Normal   | Complete full dataset imports to VegBIEN via VegX of NYBG and SALVIAS           | Aaron Marcuse-Kubitza | 04/02/2012 10:46 AM |          | 100    |
| 302 | Resolved | Normal   | Make changes to VegBIEN schema  | Aaron Marcuse-Kubitza | 01/19/2012 11:35 AM |          | 100    |
| 301 | Resolved | Normal   | RAINFOR data  | Brad Boyle            | 10/03/2013 01:10 PM |          | 100    |
| 299 | Resolved | Normal   | Mapping from NVS to VegX and VegBIEN  | Aaron Marcuse-Kubitza | 12/06/2012 08:13 PM |          | 100    |
| 297 | Resolved | Normal   | Request new data dump of specimen data from GBIF, this time in DwC format       | Brad Boyle            | 10/03/2013 01:10 PM |          | 100    |
| 295 | Resolved | Normal   | provide benchmark queries for NYBG data   | Brad Boyle            | 12/13/2011 12:11 PM |          | 100    |
| 294 | Resolved | Normal   | find plot data source provider to work with Aaron                               | Brad Boyle            | 10/03/2013 01:10 PM |          | 100    |
| 291 | Resolved | Normal   | list of milestones  |                       | 12/15/2011 01:53 PM |          | 100    |
| 290 | Resolved | Normal   | benchmark tests for database loading  | Aaron Marcuse-Kubitza | 03/28/2014 02:52 AM |          | 100    |
| 289 | Resolved | Normal   | look for formal mapping mechanism   | Aaron Marcuse-Kubitza | 04/02/2012 08:55 AM |          | 100    |
| 288 | Resolved | Normal   | VegX-VegBank mapping  | Aaron Marcuse-Kubitza | 09/17/2012 07:05 AM |          | 100    |
| 287 | Resolved | Normal   | XML to database conversion script (merged into CSV-XML-database mapping script) | Aaron Marcuse-Kubitza | 12/06/2011 04:31 PM |          | 100    |
| 285 | Resolved | Normal   | CSV to XML mappings for NYBG, SALVIAS   | Aaron Marcuse-Kubitza | 12/15/2011 01:55 PM |          | 100    |