

TestPipe
pipe
setUp() test_calculate_apw_recommended_action_is_cpp() test_calculate_apw_recommended_action_is_oec() test_calculate_apw_recommended_action_is_sport() test_calculate_apw_recommended_is_not_case_sensitive() test_calculate_capital_cost_calculates_correctly() test_calculate_capital_cost_if_apw_and_asmrecommendednber_is_greater_than_zero_capital_cost_is_calculated() test_calculate_capital_cost_if_apw_not_greater_than_zero_capital_cost_is_none() test_calculate_capital_cost_if_asmrecommendednber_not_greater_than_zero_capital_cost_is_none() test_is_greater_than_zero_if_input_value_is_a_positive_number_return_true() test_is_greater_than_zero_if_input_value_is_not_a_number_return_false() test_is_greater_than_zero_if_input_value_is_not_a_positive_number_return_false() test_valid_if_apw_bpw_and_capital_cost_are_positive_numbers_returns_true() test_valid_if_apw_bpw_or_capital_cost_are_not_positive_number_returns_false()

TestSimulation
config : MagicMock simulation
setUp() test_has_results_called_with_correct_arguments_for_BO_scenario() test_has_results_called_with_correct_arguments_for_existing_scenario() test_has_results_check_sim_folder_has_results() test_has_results_results_gdb_does_not_exist_return_false() test_has_results_results_gdb_exists_return_true() test_simulation_path_built_for_BO_scenario() test_simulation_path_built_for_existing_scenario() test_simulation_path_built_for_user_defined_storm()

TestModel
config : MagicMock model
setUp() test_simulation_folder_path() test_valid_if_all_invalid_return_false() test_valid_if_gdb_invalid_return_false() test_valid_if_model_config_invalid_return_false() test_valid_if_model_path_config_gdb_and_sim_are_valid_return_true() test_valid_if_model_path_invalid_return_false() test_valid_if_sim_invalid_return_false() test_validate_config_file_called_with_correct_arguments() test_validate_config_file_check_config_file_exists() test_validate_config_file_if_config_file_does_not_exist_return_false() test_validate_config_file_if_config_file_exists_return_true() test_validate_gdb_called_with_correct_arguments() test_validate_gdb_check_gdb_exists() test_validate_gdb_gdb_exists_return_true() test_validate_gdb_gdb_file_does_not_exist_return_false() test_validate_model_path_called_with_correct_arguments() test_validate_model_path_check_for_valid_path_if_invalid_return_false() test_validate_model_path_check_for_valid_path_if_valid_return_true() test_validate_model_path_check_path_exists_called() test_validate_sim_called_with_correct_arguments() test_validate_sim_check_sim_folder_exists() test_validate_sim_sim_folder_does_not_exist_return_false() test_validate_sim_sim_folder_exists_return_true()

GenericObject
id : NoneType name : NoneType valid

Rehab
config extract_date : NoneType, str id : NoneType, str, int last_inspection_date : str, NoneType name : str pipes : list purpose : str, NoneType valid
calculate_apw() calculate_capital_cost()

Model
config create_date : NoneType created_by : NoneType deploy_date : NoneType engine_type : int extract_date : NoneType model_alteration_file : NoneType model_alterations : list model_calibration_file : NoneType model_geometry : NoneType model_id : int model_path : NoneType, str model_request_id : int model_status_id : NoneType parent_model_id : int project_phase_id : int project_num : NoneType project_types : list run_date : NoneType simulations : NoneType simulations : list valid
simulation_folder_path() validate_config_file() validate_gdb() validate_model_path() validate_sim()

ModelCatalog
config models : NoneType models : list
add_model() add_model() check_for_duplicate_model() check_for_duplicates_in_input_model_list() check_for_valid_model() remove_model()

Pipe
apw : float, NoneType, int, str apwliner : float, NoneType apwpor : int, float, NoneType apwwhole : float, NoneType asmrecommended : str, NoneType asmrecommendednber : int, NoneType, float bpw : float, NoneType, int capitalcost : float, NoneType compley : NoneType diamwidth : NoneType dnoside : NoneType globalid : NoneType lateralcost : NoneType lateralcount : NoneType length : NoneType manholecost : NoneType material : NoneType rehab_id : NoneType unsonde : NoneType
calculate_apw() calculate_capital_cost() valid()

Rehab
config extract_date : NoneType, str id : NoneType, str, int last_inspection_date : str, NoneType name : str pipes : list purpose : str, NoneType valid
calculate_apw() calculate_capital_cost()

TestConfig
config_mock : MagicMock config_real mock_dev_scenario_search_cursor : MagicMock mock_search_cursor : MagicMock
setUp() test_retrieve_dev_scenario_dict_calls_search_cursor_with_correct_arguments() test_retrieve_domain_as_dict_calls_list_of_domains_with_correct_arguments() test_retrieve_domain_as_dict_returns_correct_dict() test_retrieve_engine_type_domain_as_dict_called_with_correct_domain_name() test_retrieve_model_alterations_domain_as_dict_called_with_correct_domain_name() test_retrieve_model_purpose_domain_as_dict_called_with_correct_domain_name() test_retrieve_model_status_domain_as_dict_called_with_correct_domain_name() test_retrieve_proj_phase_domain_as_dict_called_with_correct_domain_name() test_retrieve_proj_type_domain_as_dict_called_with_correct_domain_name() test_retrieve_storm_dict_calls_search_cursor() test_retrieve_storm_dict_calls_search_cursor_with_correct_arguments() test_retrieve_storm_dict_returns_correct_dictionary() test_retrieve_storms_calls_search_cursor() test_reverse_dict_returns_reverse_dict() test_standard_simulation_names()

Config
EMGAATS_sde_path : str RRAD_sde_path : str area_results_sde_path : str dev_scenario : dict dev_scenario_id : dict dev_scenarios_sde_path : str dummy_model_alteration_file_path dummy_model_calibration_file_path engine_type : NoneType engine_type_id : dict flooding_results_sde_path : str link_results_sde_path : str model_alteration : NoneType model_alteration_id : dict model_alterations_sde_path : str model_catalog_current_id_table_sde_path : str model_catalog_sde_path : str model_purpose : NoneType model_purpose_id : dict model_status : NoneType model_status_id : dict model_tracking_sde_path : str node_results_sde_path : str proj_phase : NoneType proj_phase_id : dict proj_type : NoneType proj_type_id : dict rehab_branches_sde_path : str rehab_nber_data_sde_path : str rehab_results_sde_path : str rehab_test_sde_path : str rehab_tracking_sde_path : str rrad_current_id_table_sde_path : str simulation_sde_path : str storm : dict storm_id : dict storm_types_sde_path : str storms_sde_path : str
retrieve_dev_scenario(dict) retrieve_domain_as_dict() retrieve_engine_type_domain_as_dict() retrieve_model_alterations_domain_as_dict() retrieve_model_purpose_domain_as_dict() retrieve_model_status_domain_as_dict() retrieve_proj_phase_domain_as_dict() retrieve_proj_type_domain_as_dict() retrieve_storm(dict) reverse_dict() standard_simulation_names()

DataIO
config current_id_database_table_path : NoneType, str
add_object() create_row_from_object() retrieve_current_id()

ModelDataIO
config add_simulation() add_simulations() create_model_geometry() read_simulations()

SimulationDataIO
config area_results_path() copy_area_results() copy_feature_class_results() copy_link_results() copy_node_flooding_results() copy_node_results() link_results_path() modify_field_names_for_RRAD() node_flooding_results_path() node_results_path()

RradDataIO
config current_id_database_table_path field_attribute_lookup : OrderedDict
add_rehab() retrieve_current_rehab_id()

RehabDataIO
active_whole_pipe_feature_class : str active_whole_pipe_feature_class_path : str active_whole_pipe_layer : str config nber_data_whole_pipe_table : str nber_data_whole_pipe_table_path : str output_pipes_table : str output_pipes_table_fields : list output_pipes_table_path : str rehab_branches_feature_class : str rehab_branches_table_path : str select_active_segments_sql : str select_active_whole_pipe_sql : str whole_pipe_fields : list workspace : str
add_bpw_from_branches() append_whole_pipes_to_rehab_results() convert_nber_data_to_table() create_branches_table() create_pipes() delete_fields() delete_fields_except_compley_from_feature() delete_nber_data_bpw_field() delete_specified_fields() join_output_pipe_table_and_geometry() write_pipes_to_table()

TestDataIO
config : MagicMock dataio field_attribute_lookup : OrderedDict field_names_retrieve_id : list mock_da_InsertCursor : dict, NonCallableMagicMock, NoneType, MagicMock mock_da_UpdateCursor : MagicMock, NoneType, dict, NonCallableMagicMock mock_generic_object : MagicMock mock_update_cursor : MagicMock object_class : NoneType object_tracking_sde_path : str patch_da_InsertCursor : patch patch_da_UpdateCursor : patch
setUp() tearDown() test_add_object_calls_insert_cursor() test_create_row_from_object_creates_row_with_correct_values() test_create_row_from_object_raises_exception_when_attribute_name_does_not_exist() test_retrieve_current_id_called_update_cursor() test_retrieve_current_id_called_with_correct_arguments() test_retrieve_current_id_return_current_ID() test_retrieve_current_id_update_next_id_of_object_1() test_retrieve_current_id_update_next_id_of_object_2()

TestModelCatalogDataIO
config : MagicMock mock_da_InsertCursor : dict, NoneType, MagicMock, NonCallableMagicMock mock_da_UpdateCursor : NoneType, NonCallableMagicMock, dict, MagicMock mock_insert_cursor : MagicMock mock_model : MagicMock model_catalog : MagicMock modelcatalogdataio patch_da_InsertCursor : patch patch_da_UpdateCursor : patch
setUp() tearDown() test_add_model_calls_add_object() test_retrieve_current_model_id() test_retrieve_current_simulation_id()

TestModelDataIO
config : MagicMock field_names : list mock_dissolve : dict, NoneType, NonCallableMagicMock, MagicMock mock_insert_cursor : dict, NoneType, NonCallableMagicMock, MagicMock mock_insert_cursor_object : MagicMock mock_model : MagicMock mock_search_cursor : dict, NoneType, MagicMock, NonCallableMagicMock mock_simulation : MagicMock model_catalog_data_io modeldataio patch_dissolve : patch patch_insert_cursor : patch patch_search_cursor : patch
setUp() tearDown() test_add_simulation_calls_insert_cursor() test_add_simulation_parameters_are_passed_into_row() test_add_simulations_called_with_correct_arguments() test_create_model_geometry_calls arcpy_dissolve_management() test_create_model_geometry_calls arcpy_dissolve_management_with_the_correct_arguments() test_create_model_geometry_calls_search_cursor() test_create_model_geometry_calls_search_cursor_with_correct_arguments() test_create_model_geometry_invalid_model_returns_exception() test_read_simulation_reads_list_of_simulations_and_returns_correct_simulation_objects() test_read_simulation_reads_standard_simulation_build_out_scenario_returns_simulation_object() test_read_simulation_reads_standard_simulation_existing_scenario_returns_simulation_object() test_read_simulation_reads_user_defined_simulation_returns_simulation_object() test_read_simulations_calls_os_walk()

TestSimulationDataIO
config : MagicMock mock_cursor : MagicMock mock_da_InsertCursor : dict, NoneType, NonCallableMagicMock, MagicMock mock_da_SearchCursor : dict, MagicMock, NonCallableMagicMock, NoneType mock_fields1 : MagicMock mock_fields2 : MagicMock mock_fields3 : MagicMock mock_fields4 : MagicMock mock_list_fields : dict, NoneType, MagicMock, NonCallableMagicMock mock_model : MagicMock mock_search_cursor : list mock_simulation : MagicMock patch_insert_cursor : patch patch_list_fields : patch patch_search_cursor : patch path : str simulation simulationdataio
setUp() tearDown() test_area_results_path_creates_correct_path() test_copy_area_results_copy_feature_class_results_is_called() test_copy_area_results_copy_feature_class_results_is_called_with_correct_arguments() test_copy_feature_class_results_added_four_new_fields_to_field_names() test_copy_feature_class_results_called_insert_cursor() test_copy_feature_class_results_called_search_cursor() test_copy_feature_class_results_called_with_correct_arguments() test_copy_feature_class_results_calls_insert_row_with_right_arguments() test_link_results_path_creates_correct_path() test_modify_field_names_for_RRAD_called_list_fields() test_modify_field_names_for_RRAD_returns_correct_fields() test_node_flooding_results_path_creates_correct_path() test_node_results_path_creates_correct_path()

TestRradDataIO
config : MagicMock field_names_retrieve_id : list mock_da_UpdateCursor : NoneType, NonCallableMagicMock, dict, MagicMock mock_rehab : MagicMock mock_update_cursor : MagicMock patch_da_UpdateCursor : patch rrad_data_io
setUp() tearDown() test_add_rehab_calls_add_object() test_retrieve_current_rehab_id()

TestRehabDataIO
active_whole_pipe_feature_class_path : str config : MagicMock dummy_row_1 : list dummy_row_2 : list mock_CreateTable_management : MagicMock, NoneType, dict, NonCallableMagicMock mock_append : dict, NoneType, MagicMock, NonCallableMagicMock mock_copy_features : NonCallableMagicMock, dict, NoneType, MagicMock mock_copy_rows : NoneType, dict, NonCallableMagicMock, MagicMock mock_cursor : MagicMock mock_da_delete_field_management : dict, NoneType, NonCallableMagicMock, MagicMock mock_da_editor : dict, NonCallableMagicMock, MagicMock, NoneType mock_da_insert_cursor : MagicMock, NonCallableMagicMock, dict, NoneType mock_da_search_cursor : dict, NoneType, NonCallableMagicMock, MagicMock mock_join_fields : dict, NonCallableMagicMock, NoneType, MagicMock mock_list_fields : dict, NoneType, NonCallableMagicMock, MagicMock mock_make_feature_layer : dict, NonCallableMagicMock, MagicMock, NoneType mock_pipe : MagicMock mock_rehab : MagicMock mock_select_by_attribute : dict, NonCallableMagicMock, MagicMock, NoneType mock_table_to_table : dict, NoneType, NonCallableMagicMock, MagicMock mock_update_cursor : MagicMock output_pipe_table_fields : list output_pipes_table_path : str output_pipes_table_row : list patch_CreateTable_management : patch patch_append : patch patch_copy_features : patch patch_da_delete_field_management : patch patch_da_editor : patch patch_da_insert_cursor : patch patch_da_search_cursor : patch patch_join_field : patch patch_list_fields : patch patch_make_feature_layer : patch patch_select_by_attribute : patch patch_table_to_table : patch rehab_data_io rehab_id : int whole_pipe_fields : list
setUp() tearDown() test_add_bpw_from_branches_called_with_correct_arguments() test_add_bpw_from_branches_calls_join_field_management() test_append_whole_pipes_to_rehab_results_called_with_correct_arguments() test_append_whole_pipes_to_rehab_results_calls_append_management() test_convert_nber_data_to_table_called_with_correct_arguments() test_convert_nber_data_to_table_calls_add_bpw_from_branches() test_convert_nber_data_to_table_calls_create_branches_table() test_convert_nber_data_to_table_calls_create_pipe_feature_class() test_convert_nber_data_to_table_calls_delete_nber_data_bpw_field_with_correct_arguments() test_convert_nber_data_to_table_calls_select_nber_data_pipes() test_convert_nber_data_to_table_calls_table_to_table() test_create_branches_table_called_with_correct_arguments() test_create_branches_table_calls_copy_rows() test_create_pipe_feature_class_called_with_correct_arguments() test_create_pipe_feature_class_calls_copy_features() test_create_pipes_calls_search_cursor() test_create_pipes_calls_search_cursor_with_correct_arguments() test_create_pipes_returns_list_of_two_pipes() test_create_pipes_returns_matching_values() test_delete_fields_calls_delete_field_management_if_field_not_in_geometry() test_delete_fields_calls_delete_field_management_if_field_not_in_keep_fields() test_delete_fields_calls_delete_field_management_if_field_not_in_oid() test_delete_fields_calls_list_fields_with_correct_arguments() test_delete_fields_calls_list_fields_with_correct_arguments() test_delete_nber_data_bpw_field_called_with_correct_arguments() test_delete_nber_data_bpw_field_calls_delete_field_management() test_delete_specified_fields_calls_delete_field_management() test_delete_specified_fields_calls_list_fields_with_correct_arguments() test_join_output_pipe_table_and_geometry_calls_join_field_management() test_join_output_pipe_table_and_geometry_calls_join_field_management() test_select_nber_data_pipes_called_with_correct_arguments() test_select_nber_data_pipes_calls_make_feature_layer() test_write_pipes_to_table_calls_create_table_management() test_write_pipes_to_table_calls_create_table_management_with_correct_arguments() test_write_pipes_to_table_calls_insert_cursor() test_write_pipes_to_table_calls_insert_row_with_correct_arguments() test_write_pipes_to_table_calls_insert_row_with_correct_arguments()