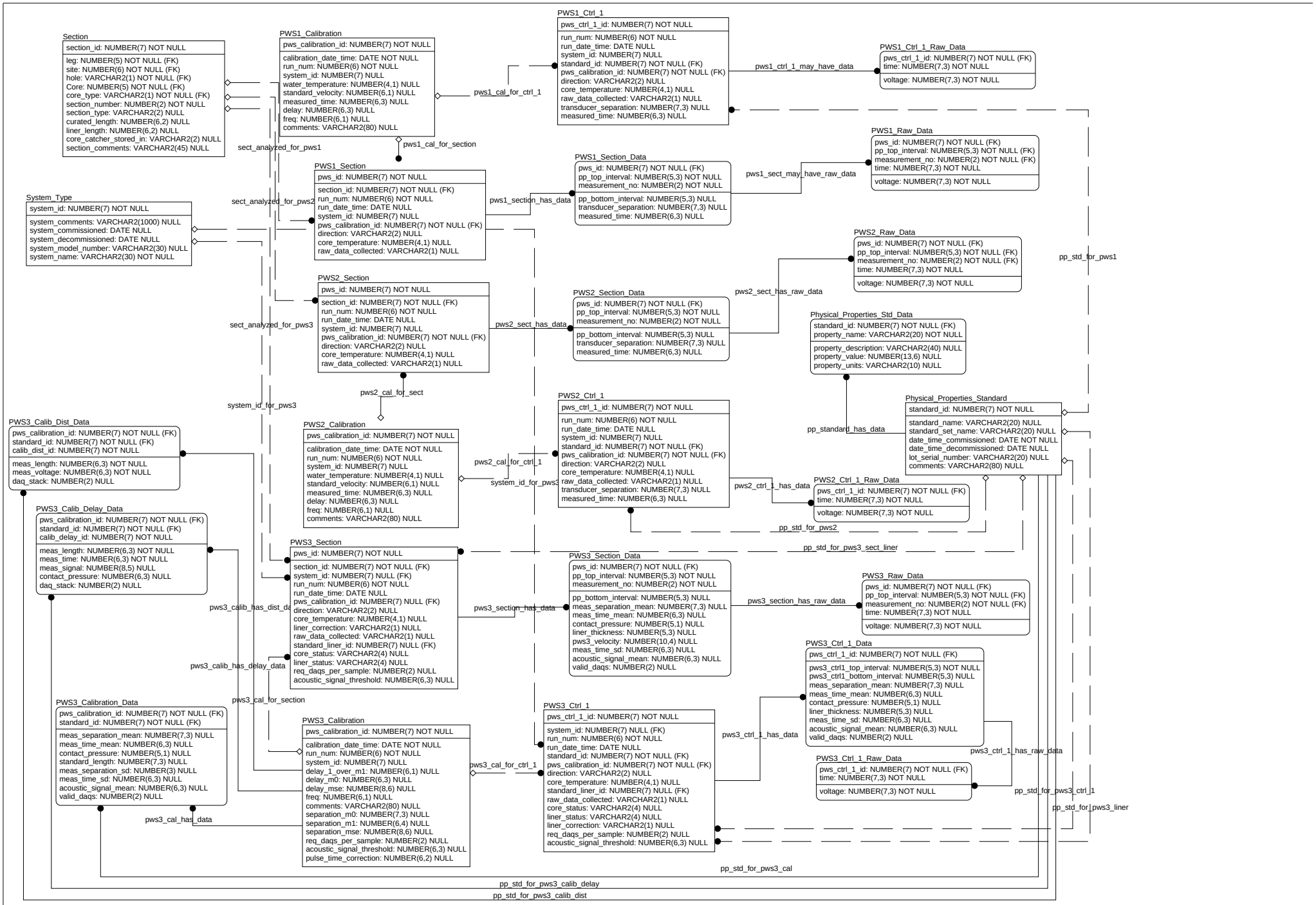
Section
section_id: NUMBER(7) NOT NULL
leg: NUMBER(5) NOT NULL (FK)
site: NUMBER(6) NOT NULL (FK)
hole: VARCHAR2(1) NOT NULL (FK)
Core: NUMBER(5) NOT NULL (FK)
core_type: VARCHAR2(1) NOT NULL (FK)
section_number: NUMBER(2) NOT NULL
section_type: VARCHAR2(2) NULL
curated_length: NUMBER(6,2) NULL
liner_length: NUMBER(6,2) NULL
core_catcher_stored_in: VARCHAR2(2) NULL
section_comments: VARCHAR2(45) NULL
PWS1_Calibration
pws_calibration_id: NUMBER(7) NOT NULL
calibration_date_time: DATE NOT NULL
run_num: NUMBER(6) NOT NULL
system_id: NUMBER(7) NULL
water_temperature: NUMBER(4,1) NULL
standard_velocity: NUMBER(6,1) NULL
measured_time: NUMBER(6,3) NULL
delay: NUMBER(6,3) NULL
freq: NUMBER(6,1) NULL
comments: VARCHAR2(80) NULL
PWS1_Ctrl_1
pws_ctrl_1_id: NUMBER(7) NOT NULL
run_num: NUMBER(6) NOT NULL
run_date_time: DATE NULL
system_id: NUMBER(7) NULL
standard_id: NUMBER(7) NOT NULL (FK)
pws_calibration_id: NUMBER(7) NOT NULL (FK)
direction: VARCHAR2(2) NULL
core_temperature: NUMBER(4,1) NULL
raw_data_collected: VARCHAR2(1) NULL
transducer_separation: NUMBER(7,3) NULL
measured_time: NUMBER(6,3) NULL
PWS1_Ctrl_1_Raw_Data
pws_ctrl_1_id: NUMBER(7) NOT NULL (FK)
time: NUMBER(7,3) NOT NULL
voltage: NUMBER(7,3) NOT NULL
pws1_ctrl_1_may_have_data
pws1_cal_for_ctrl_1
pws1_cal_for_section
sect_analyzed_for_pws1
PWS1_Raw_Data
pws_id: NUMBER(7) NOT NULL (FK)
pp_top_interval: NUMBER(5,3) NOT NULL (FK)
measurement_no: NUMBER(2) NOT NULL (FK)
time: NUMBER(7,3) NOT NULL
voltage: NUMBER(7,3) NOT NULL
PWS1_Section_Data
pws_id: NUMBER(7) NOT NULL (FK)
pp_top_interval: NUMBER(5,3) NOT NULL
measurement_no: NUMBER(2) NOT NULL
pp_bottom_interval: NUMBER(5,3) NULL
transducer_separation: NUMBER(7,3) NULL
measured_time: NUMBER(6,3) NULL
pws1_sect_may_have_raw_data
PWS1_Section
pws_id: NUMBER(7) NOT NULL
section_id: NUMBER(7) NOT NULL (FK)
run_num: NUMBER(6) NOT NULL
run_date_time: DATE NULL
system_id: NUMBER(7) NULL
pws_calibration_id: NUMBER(7) NOT NULL (FK)
direction: VARCHAR2(2) NULL
core_temperature: NUMBER(4,1) NULL
raw_data_collected: VARCHAR2(1) NULL
pws1_section_has_data
sect_analyzed_for_pws2
System_Type
system_id: NUMBER(7) NOT NULL
system_comments: VARCHAR2(1000) NULL
system_commissioned: DATE NULL
system_decommissioned: DATE NULL
system_model_number: VARCHAR2(30) NULL
system_name: VARCHAR2(30) NOT NULL
PWS2_Raw_Data
pws_id: NUMBER(7) NOT NULL (FK)
pp_top_interval: NUMBER(5,3) NOT NULL (FK)
measurement_no: NUMBER(2) NOT NULL (FK)
time: NUMBER(7,3) NOT NULL
voltage: NUMBER(7,3) NOT NULL
pp_std_for_pws1
PWS2_Section
pws_id: NUMBER(7) NOT NULL
section_id: NUMBER(7) NOT NULL (FK)
run_num: NUMBER(6) NOT NULL
run_date_time: DATE NULL
system_id: NUMBER(7) NULL
pws_calibration_id: NUMBER(7) NOT NULL (FK)
direction: VARCHAR2(2) NULL
core_temperature: NUMBER(4,1) NULL
raw_data_collected: VARCHAR2(1) NULL
PWS2_Section_Data
pws_id: NUMBER(7) NOT NULL (FK)
pp_top_interval: NUMBER(5,3) NOT NULL
measurement_no: NUMBER(2) NOT NULL
pp_bottom_interval: NUMBER(5,3) NULL
transducer_separation: NUMBER(7,3) NULL
measured_time: NUMBER(6,3) NULL
pws2_sect_has_raw_data
pws2_sect_has_data
sect_analyzed_for_pws3
Physical_Properties_Std_Data
standard_id: NUMBER(7) NOT NULL (FK)
property_name: VARCHAR2(20) NOT NULL
property_description: VARCHAR2(40) NULL
property_value: NUMBER(13,6) NULL
property_units: VARCHAR2(10) NULL
pws2_cal_for_sect
system_id_for_pws3
PWS2_Ctrl_1
pws_ctrl_1_id: NUMBER(7) NOT NULL
run_num: NUMBER(6) NOT NULL
run_date_time: DATE NULL
system_id: NUMBER(7) NULL
standard_id: NUMBER(7) NOT NULL (FK)
pws_calibration_id: NUMBER(7) NOT NULL (FK)
direction: VARCHAR2(2) NULL
core_temperature: NUMBER(4,1) NULL
raw_data_collected: VARCHAR2(1) NULL
transducer_separation: NUMBER(7,3) NULL
measured_time: NUMBER(6,3) NULL
Physical_Properties_Standard
standard_id: NUMBER(7) NOT NULL
standard_name: VARCHAR2(20) NULL
standard_set_name: VARCHAR2(20) NULL
date_time_commissioned: DATE NOT NULL
date_time_decommissioned: DATE NULL
lot_serial_number: VARCHAR2(20) NULL
comments: VARCHAR2(80) NULL
pp_standard_has_data
PWS3_Calib_Dist_Data
pws_calibration_id: NUMBER(7) NOT NULL (FK)
standard_id: NUMBER(7) NOT NULL (FK)
calib_dist_id: NUMBER(7) NOT NULL
meas_length: NUMBER(6,3) NOT NULL
meas_voltage: NUMBER(6,3) NOT NULL
daq_stack: NUMBER(2) NULL
PWS2_Calibration
pws_calibration_id: NUMBER(7) NOT NULL
calibration_date_time: DATE NOT NULL
run_num: NUMBER(6) NOT NULL
system_id: NUMBER(7) NULL
water_temperature: NUMBER(4,1) NULL
standard_velocity: NUMBER(6,1) NULL
measured_time: NUMBER(6,3) NULL
delay: NUMBER(6,3) NULL
freq: NUMBER(6,1) NULL
comments: VARCHAR2(80) NULL
pws2_cal_for_ctrl_1
system_id_for_pws3
pws2_ctrl_1_has_data
PWS2_Ctrl_1_Raw_Data
pws_ctrl_1_id: NUMBER(7) NOT NULL (FK)
time: NUMBER(7,3) NOT NULL
voltage: NUMBER(7,3) NOT NULL
pp_std_for_pws2
PWS3_Calib_Delay_Data
pws_calibration_id: NUMBER(7) NOT NULL (FK)
standard_id: NUMBER(7) NOT NULL (FK)
calib_delay_id: NUMBER(7) NOT NULL
meas_length: NUMBER(6,3) NOT NULL
meas_time: NUMBER(6,3) NOT NULL
meas_signal: NUMBER(8,5) NULL
contact_pressure: NUMBER(6,3) NULL
daq_stack: NUMBER(2) NULL
PWS3_Section
pws_id: NUMBER(7) NOT NULL
section_id: NUMBER(7) NOT NULL (FK)
system_id: NUMBER(7) NULL (FK)
run_num: NUMBER(6) NOT NULL
run_date_time: DATE NULL
pws_calibration_id: NUMBER(7) NULL (FK)
direction: VARCHAR2(2) NULL
core_temperature: NUMBER(4,1) NULL
liner_correction: VARCHAR2(1) NULL
raw_data_collected: VARCHAR2(1) NULL
standard_liner_id: NUMBER(7) NULL (FK)
core_status: VARCHAR2(4) NULL
liner_status: VARCHAR2(4) NULL
req_daqs_per_sample: NUMBER(2) NULL
acoustic_signal_threshold: NUMBER(6,3) NULL
pp_std_for_pws3_sect_liner
PWS3_Section_Data
pws_id: NUMBER(7) NOT NULL (FK)
pp_top_interval: NUMBER(5,3) NOT NULL
measurement_no: NUMBER(2) NOT NULL
pp_bottom_interval: NUMBER(5,3) NULL
meas_separation_mean: NUMBER(7,3) NULL
meas_time_mean: NUMBER(6,3) NULL
contact_pressure: NUMBER(5,1) NULL
liner_thickness: NUMBER(5,3) NULL
pws3_velocity: NUMBER(10,4) NULL
meas_time_sd: NUMBER(6,3) NULL
acoustic_signal_mean: NUMBER(6,3) NULL
valid_daqs: NUMBER(2) NULL
PWS3_Raw_Data
pws_id: NUMBER(7) NOT NULL (FK)
pp_top_interval: NUMBER(5,3) NOT NULL (FK)
measurement_no: NUMBER(2) NOT NULL (FK)
time: NUMBER(7,3) NOT NULL
voltage: NUMBER(7,3) NOT NULL
pws3_section_has_raw_data
pws3_section_has_data
pws3_calib_has_dist_da
pws3_calib_has_delay_data
PWS3_Ctrl_1_Data
pws_ctrl_1_id: NUMBER(7) NOT NULL (FK)
pws3_ctrl1_top_interval: NUMBER(5,3) NOT NULL
pws3_ctrl1_bottom_interval: NUMBER(5,3) NULL
meas_separation_mean: NUMBER(7,3) NULL
meas_time_mean: NUMBER(6,3) NULL
contact_pressure: NUMBER(5,1) NULL
liner_thickness: NUMBER(5,3) NULL
meas_time_sd: NUMBER(6,3) NULL
acoustic_signal_mean: NUMBER(6,3) NULL
valid_daqs: NUMBER(2) NULL
pws3_cal_for_section
PWS3_Calibration_Data
pws_calibration_id: NUMBER(7) NOT NULL (FK)
standard_id: NUMBER(7) NOT NULL (FK)
meas_separation_mean: NUMBER(7,3) NULL
meas_time_mean: NUMBER(6,3) NULL
contact_pressure: NUMBER(5,1) NULL
standard_length: NUMBER(7,3) NULL
meas_separation_sd: NUMBER(3) NULL
meas_time_sd: NUMBER(6,3) NULL
acoustic_signal_mean: NUMBER(6,3) NULL
valid_daqs: NUMBER(2) NULL
PWS3_Calibration
pws_calibration_id: NUMBER(7) NOT NULL
calibration_date_time: DATE NOT NULL
run_num: NUMBER(6) NOT NULL
system_id: NUMBER(7) NULL
delay_1_over_m1: NUMBER(6,1) NULL
delay_m0: NUMBER(6,3) NULL
delay_mse: NUMBER(8,6) NULL
freq: NUMBER(6,1) NULL
comments: VARCHAR2(80) NULL
separation_m0: NUMBER(7,3) NULL
separation_m1: NUMBER(6,4) NULL
separation_mse: NUMBER(8,6) NULL
req_daqs_per_sample: NUMBER(2) NULL
acoustic_signal_threshold: NUMBER(6,3) NULL
pulse_time_correction: NUMBER(6,2) NULL
pws3_cal_for_ctrl_1
PWS3_Ctrl_1
pws_ctrl_1_id: NUMBER(7) NOT NULL
system_id: NUMBER(7) NULL (FK)
run_num: NUMBER(6) NOT NULL
run_date_time: DATE NULL
standard_id: NUMBER(7) NOT NULL (FK)
pws_calibration_id: NUMBER(7) NOT NULL (FK)
direction: VARCHAR2(2) NULL
core_temperature: NUMBER(4,1) NULL
standard_liner_id: NUMBER(7) NULL (FK)
raw_data_collected: VARCHAR2(1) NULL
core_status: VARCHAR2(4) NULL
liner_status: VARCHAR2(4) NULL
liner_correction: VARCHAR2(1) NULL
req_daqs_per_sample: NUMBER(2) NULL
acoustic_signal_threshold: NUMBER(6,3) NULL
pws3_ctrl_1_has_data
pws3_ctrl_1_has_raw_data
PWS3_Ctrl_1_Raw_Data
pws_ctrl_1_id: NUMBER(7) NOT NULL (FK)
time: NUMBER(7,3) NOT NULL
voltage: NUMBER(7,3) NOT NULL
pp_std_for_pws3_ctrl_1
pp_std_for_pws3_liner
pws3_cal_has_data
pp_std_for_pws3_cal
pp_std_for_pws3_calib_delay
pp_std_for_pws3_calib_dist