Amanda M. Lincoln, R1136147

CIDM 3350-70: Database System Design

28 November 2023

MySQL Script - Complete

CREATE DATABASE FinalProject;

USE FinalProject;

CREATE TABLE BIOTA\_T

(BIOTA\_CODE INTEGER NOT NULL,

SCIENTIFIC\_NAME VARCHAR(75) NOT NULL,

COMMON\_NAME VARCHAR(75) NOT NULL,

BIOTA\_TYPE CHAR NOT NULL,

CONSTRAINT BIOTA\_PK PRIMARY KEY (BIOTA\_CODE));

ALTER TABLE BIOTA\_T MODIFY BIOTA\_CODE DECIMAL NOT NULL;

ALTER TABLE BIOTA\_T ADD CONSTRAINT BIOTA\_CHK CHECK (BIOTA\_TYPE = 'I' OR BIOTA\_TYPE = "P");

ALTER TABLE BIOTA\_T MODIFY COLUMN BIOTA\_CODE DECIMAL (10,2) NOT NULL;

ALTER TABLE BIOTA\_T MODIFY COLUMN BIOTA\_TYPE CHAR;

CREATE TABLE INVASIVE\_PLANT\_T

(IP\_BIOTA\_CODE INTEGER NOT NULL,

CONSTRAINT INVASIVE\_PLANT\_PK PRIMARY KEY (IP\_BIOTA\_CODE));

ALTER TABLE INVASIVE\_PLANT\_T MODIFY IP\_BIOTA\_CODE DECIMAL (10,2) NOT NULL;

ALTER TABLE INVASIVE\_PLANT\_T ADD CONSTRAINT INVASIVE\_PLANT\_FK FOREIGN KEY (IP\_BIOTA\_CODE) REFERENCES BIOTA\_T (BIOTA\_CODE);

ALTER TABLE INVASIVE\_PLANT\_T DROP CONSTRAINT INVASIVE\_PLANT\_FK;

CREATE TABLE PROTECTED\_WILDLIFE\_T

(PW\_BIOTA\_CODE DECIMAL NOT NULL,

PROTECTED\_STATUS VARCHAR(50) NOT NULL,

POPULATION\_DENSITY INTEGER,

CONSTRAINT PROTECTED\_WILDLIFE\_PK PRIMARY KEY (PW\_BIOTA\_CODE),

CONSTRAINT PROTECTED\_WILDLIFE\_FK FOREIGN KEY (PW\_BIOTA\_CODE) REFERENCES BIOTA\_T (BIOTA\_CODE));

ALTER TABLE PROTECTED\_WILDLIFE\_T DROP COLUMN POPULATION\_DENSITY;

ALTER TABLE PROTECTED\_WILDLIFE\_T DROP CONSTRAINT PROTECTED\_WILDLIFE\_FK;

ALTER TABLE PROTECTED\_WILDLIFE\_T MODIFY COLUMN PW\_BIOTA\_CODE DECIMAL (10,2) NOT NULL;

ALTER TABLE PROTECTED\_WILDLIFE\_T ADD CONSTRAINT PROTECTED\_WILDLIFE\_FK FOREIGN KEY (PW\_BIOTA\_CODE) REFERENCES BIOTA\_T (BIOTA\_CODE);

CREATE TABLE FIRE\_DISTURBANCE\_T

(FIRE\_ID INTEGER NOT NULL,

FIRE\_NAME VARCHAR(50) NOT NULL,

FIRE\_CODE INTEGER NOT NULL,

DISCOVERY\_DATE DATE NOT NULL,

DISCOVERY\_TIME TIME NOT NULL,

NWCG\_CAUSE\_CLASSIFICATION VARCHAR(25) NOT NULL,

NWCG\_GENERAL\_CAUSE VARCHAR(75) NOT NULL,

MEDIAL\_LATITUDE DECIMAL(8, 6) NOT NULL,

MEDIAL\_LONGITUDE DECIMAL (9,6) NOT NULL,

FIRE\_DISTRIBUTION\_RADIUS DECIMAL NOT NULL,

CONSTRAINT FIRE\_DISTURBANCE\_PK PRIMARY KEY (FIRE\_ID));

ALTER TABLE FIRE\_DISTURBANCE\_T MODIFY MEDIAL\_LATITUDE DECIMAL(8,6);

ALTER TABLE FIRE\_DISTURBANCE\_T MODIFY MEDIAL\_LONGITUDE DECIMAL(9,6);

ALTER TABLE FIRE\_DISTURBANCE\_T MODIFY FIRE\_DISTRIBUTION\_RADIUS DECIMAL (10,2);

ALTER TABLE FIRE\_DISTURBANCE\_T ADD COLUMN FIRE\_STATUS VARCHAR(20) NOT NULL;

CREATE TABLE FUEL\_TREATMENT\_T

(FUEL\_TREATMENT\_ID INTEGER AUTO\_INCREMENT NOT NULL,

ACTIVITY\_CODE INTEGER NOT NULL,

ACTIVITY VARCHAR(75) NOT NULL,

CONSTRAINT FUEL\_TREATMENT\_PK PRIMARY KEY (FUEL\_TREATMENT\_ID));

CREATE TABLE FOREST\_UNIT\_T

(FOREST\_UNIT\_CODE VARCHAR(19) NOT NULL,

PARENT\_FOREST\_NAME VARCHAR(75) NOT NULL,

OWNERSHIP\_CODE VARCHAR(3) NOT NULL,

LAND\_SUITABILITY\_CLASS\_CODE INTEGER NOT NULL,

DISTANCE\_TO\_ROADS DECIMAL NOT NULL,

DISTANCE\_TO\_POWERLINES DECIMAL NOT NULL,

DISTANCE\_TO\_SETTLEMENTS DECIMAL NOT NULL,

VEGETATION\_TYPE VARCHAR(50) NOT NULL,

BIOMASS\_DENSITY DECIMAL NOT NULL,

ISOTHERMALITY DECIMAL NOT NULL,

ELEVATION INTEGER NOT NULL,

IMPERVIOUSNESS INTEGER NOT NULL,

PRECIPITATION\_SEASONALITY DECIMAL(3,2) NOT NULL,

FUEL\_MODEL\_CODE INTEGER NOT NULL,

AVERAGE\_TEMPERATURE DECIMAL (5,2),

AVERAGE\_PRECIPITATION DECIMAL (4,2),

CONSTRAINT FOREST\_UNIT\_CHK CHECK (PRECIPITATION\_SEASONALITY >= 0 AND PRECIPITATION\_SEASONALITY <= 1.20),

CONSTRAINT FOREST\_UNIT\_CHK2 CHECK (IMPERVIOUSNESS >= 0 AND IMPERVIOUSNESS <= 100),

CONSTRAINT FOREST\_UNIT\_CHK3 CHECK (FUEL\_MODEL\_CODE >=1 AND FUEL\_MODEL\_CODE <=13),

CONSTRAINT FOREST\_UNIT\_PK PRIMARY KEY (FOREST\_UNIT\_CODE));

ALTER TABLE FOREST\_UNIT\_T MODIFY COLUMN DISTANCE\_TO\_ROADS DECIMAL (10,2);

ALTER TABLE FOREST\_UNIT\_T MODIFY COLUMN DISTANCE\_TO\_POWERLINES DECIMAL (10,2);

ALTER TABLE FOREST\_UNIT\_T MODIFY COLUMN DISTANCE\_TO\_SETTLEMENTS DECIMAL (10,2);

ALTER TABLE FOREST\_UNIT\_T MODIFY COLUMN BIOMASS\_DENSITY DECIMAL (10,2);

ALTER TABLE FOREST\_UNIT\_T MODIFY COLUMN ISOTHERMALITY DECIMAL (10,2);

ALTER TABLE FOREST\_UNIT\_T ADD CONSTRAINT FOREST\_UNIT\_CHK4 CHECK (ISOTHERMALITY >= 0 AND ISOTHERMALITY <= 100);

ALTER TABLE FOREST\_UNIT\_T DROP COLUMN OWNERSHIP\_CODE;

ALTER TABLE FOREST\_UNIT\_T ADD COLUMN OWNERSHIP\_NAME VARCHAR(75);

CREATE TABLE PARTY\_T

(PARTY\_ID INTEGER AUTO\_INCREMENT NOT NULL,

PARTY\_NAME VARCHAR(75) NOT NULL,

PARTY\_TYPE CHAR NOT NULL,

CONSTRAINT PARTY\_PK PRIMARY KEY (PARTY\_ID),

CONSTRAINT PARTY\_CHK CHECK (PARTY\_TYPE = 'G' OR PARTY\_TYPE = "N"));

CREATE TABLE FIREFIGHTING\_RESOURCE\_T

(RESOURCE\_ID INTEGER AUTO\_INCREMENT NOT NULL,

RESOURCE\_CODE INTEGER NOT NULL,

RESOURCE\_CLASSIFICATION CHAR,

CONSTRAINT FIREFIGHTING\_RESOURCE\_CHK CHECK (RESOURCE\_CLASSIFICATION = 'R' OR RESOURCE\_CLASSIFICATION = 'F' OR RESOURCE\_CLASSIFICATION = 'S' OR RESOURCE\_CLASSIFICATION = 'E' OR RESOURCE\_CLASSIFICATION = 'P'),

CONSTRAINT FIREFIGHTING\_RESOURCE\_PK PRIMARY KEY (RESOURCE\_ID));

CREATE TABLE FOREST\_FIRE\_T

(FIRE\_ID INTEGER NOT NULL,

FOREST\_UNIT\_CODE VARCHAR(19) NOT NULL,

PERCENTAGE\_AREA\_AFFECTED INTEGER,

CONSTRAINT FOREST\_FIRE\_PK PRIMARY KEY (FIRE\_ID, FOREST\_UNIT\_CODE),

CONSTRAINT FOREST\_FIRE\_FK FOREIGN KEY (FIRE\_ID) REFERENCES FIRE\_DISTURBANCE\_T (FIRE\_ID),

CONSTRAINT FOREST\_FIRE\_FK2 FOREIGN KEY (FOREST\_UNIT\_CODE) REFERENCES FOREST\_UNIT\_T (FOREST\_UNIT\_CODE));

ALTER TABLE FOREST\_FIRE\_T ADD CONSTRAINT FOREST\_FIRE\_CHK CHECK (PERCENTAGE\_AREA\_AFFECTED >=0 AND PERCENTAGE\_AREA\_AFFECTED <=100);

CREATE TABLE FIRE\_CONTAINMENT\_PROCEDURE\_T

(FIRE\_ID INTEGER NOT NULL,

PARTY\_ID INTEGER NOT NULL,

RESOURCE\_ID INTEGER NOT NULL,

PROCEDURE\_DATE DATE NOT NULL,

PROCEDURE\_TIME TIME NOT NULL,

PROCEDURE\_COST DECIMAL,

CONSTRAINT FIRE\_CONTAINMENT\_PROCEDURE\_PK PRIMARY KEY (FIRE\_ID, PARTY\_ID, RESOURCE\_ID, PROCEDURE\_DATE, PROCEDURE\_TIME),

CONSTRAINT FIRE\_CONTAINMENT\_PROCEDURE\_FK FOREIGN KEY (FIRE\_ID) REFERENCES FIRE\_DISTURBANCE\_T (FIRE\_ID),

CONSTRAINT FIRE\_CONTAINMENT\_PROCEDURE\_FK2 FOREIGN KEY (PARTY\_ID) REFERENCES PARTY\_T (PARTY\_ID),

CONSTRAINT FIRE\_CONTAINMENT\_PROCEDURE\_FK3 FOREIGN KEY (RESOURCE\_ID) REFERENCES FIREFIGHTING\_RESOURCE\_T (RESOURCE\_ID));

ALTER TABLE FIRE\_CONTAINMENT\_PROCEDURE\_T MODIFY COLUMN PROCEDURE\_COST DECIMAL (15,2);

CREATE TABLE FUEL\_TREATMENT\_HISTORY\_T

(FUEL\_SERVICE\_ID INTEGER AUTO\_INCREMENT NOT NULL,

FOREST\_UNIT\_CODE VARCHAR(19) NOT NULL,

FUEL\_TREATMENT\_ID INTEGER NOT NULL,

SERVICE\_STATUS VARCHAR(25) NOT NULL,

PERCENTAGE\_OF\_UNITS\_COMPLETED INTEGER NOT NULL,

FUEL\_TREATMENT\_START\_DATE DATE NOT NULL,

FUEL\_TREATMENT\_END\_DATE DATE,

CONSTRAINT FUEL\_TREATMENT\_HISTORY\_CHK CHECK (PERCENTAGE\_OF\_UNITS\_COMPLETED >= 0 AND PERCENTAGE\_OF\_UNITS\_COMPLETED <= 100),

CONSTRAINT FUEL\_TREATMENT\_HISTORY\_PK PRIMARY KEY (FUEL\_SERVICE\_ID),

CONSTRAINT FUEL\_TREATMENT\_HISTORY\_FK FOREIGN KEY (FOREST\_UNIT\_CODE) REFERENCES FOREST\_UNIT\_T (FOREST\_UNIT\_CODE),

CONSTRAINT FUEL\_TREATMENT\_HISTORY\_FK2 FOREIGN KEY (FUEL\_TREATMENT\_ID) REFERENCES FUEL\_TREATMENT\_T (FUEL\_TREATMENT\_ID));

CREATE TABLE INVASIVE\_PLANT\_INFESTATION\_T

(INFESTATION\_ID INTEGER NOT NULL,

IP\_BIOTA\_CODE DECIMAL NOT NULL,

FOREST\_UNIT\_CODE VARCHAR(19) NOT NULL,

TOTAL\_AREA\_INFESTED DECIMAL NOT NULL,

INFESTED\_AREA\_PERCENTAGE INTEGER NOT NULL,

CONSTRAINT INVASIVE\_PLANT\_INFESTATION\_CHK CHECK (TOTAL\_AREA\_INFESTED >= 0 AND TOTAL\_AREA\_INFESTED <= 100),

CONSTRAINT INVASIVE\_PLANT\_INFESTATION\_PK PRIMARY KEY (INFESTATION\_ID),

CONSTRAINT INVASIVE\_PLANT\_INFESTATION\_FK FOREIGN KEY (IP\_BIOTA\_CODE) REFERENCES INVASIVE\_PLANT\_T (IP\_BIOTA\_CODE),

CONSTRAINT INVASIVE\_PLANT\_INFESTATION\_FK2 FOREIGN KEY (FOREST\_UNIT\_CODE) REFERENCES FOREST\_UNIT\_T (FOREST\_UNIT\_CODE));

ALTER TABLE INVASIVE\_PLANT\_INFESTATION\_T DROP CONSTRAINT INVASIVE\_PLANT\_INFESTATION\_FK;

ALTER TABLE INVASIVE\_PLANT\_INFESTATION\_T MODIFY COLUMN IP\_BIOTA\_CODE DECIMAL (10,2) NOT NULL;

ALTER TABLE INVASIVE\_PLANT\_INFESTATION\_T ADD CONSTRAINT INVASIVE\_PLANT\_INFESTATION\_FK FOREIGN KEY (IP\_BIOTA\_CODE) REFERENCES INVASIVE\_PLANT\_T (IP\_BIOTA\_CODE);

CREATE TABLE PROTECTED\_WILDLIFE\_HABITAT\_T

(PW\_BIOTA\_CODE DECIMAL NOT NULL,

FOREST\_UNIT\_CODE VARCHAR(19) NOT NULL,

POPULATION\_DENSITY DECIMAL NOT NULL,

CONSTRAINT PROTECTED\_WILDLIFE\_HABITAT\_PK PRIMARY KEY (PW\_BIOTA\_CODE, FOREST\_UNIT\_CODE),

CONSTRAINT PROTECTED\_WILDLIFE\_HABITAT\_FK FOREIGN KEY (PW\_BIOTA\_CODE) REFERENCES BIOTA\_T (BIOTA\_CODE),

CONSTRAINT PROTECTED\_WILDLIFE\_HABITAT\_FK2 FOREIGN KEY (FOREST\_UNIT\_CODE) REFERENCES FOREST\_UNIT\_T (FOREST\_UNIT\_CODE));

ALTER TABLE PROTECTED\_WILDLIFE\_HABITAT\_T DROP CONSTRAINT PROTECTED\_WILDLIFE\_HABITAT\_FK;

ALTER TABLE PROTECTED\_WILDLIFE\_HABITAT\_T MODIFY COLUMN PW\_BIOTA\_CODE DECIMAL (10,2) NOT NULL;

ALTER TABLE PROTECTED\_WILDLIFE\_HABITAT\_T ADD CONSTRAINT PROTECTED\_WILDLIFE\_HABITAT\_FK FOREIGN KEY (PW\_BIOTA\_CODE) REFERENCES PROTECTED\_WILDLIFE\_T (PW\_BIOTA\_CODE);

ALTER TABLE PROTECTED\_WILDLIFE\_HABITAT\_T MODIFY COLUMN POPULATION\_DENSITY DECIMAL (10,2) NOT NULL;

CREATE TABLE WEATHER\_T

(FOREST\_UNIT\_CODE VARCHAR(19) NOT NULL,

COLLECTION\_DATE DATE NOT NULL,

COLLECTION\_TIME TIME NOT NULL,

TEMPERATURE DECIMAL (5,2) NOT NULL,

PRECIPITATION DECIMAL (4,2) NOT NULL,

WIND\_SPEED INTEGER NOT NULL,

CONSTRAINT WEATHER\_T\_PK PRIMARY KEY (FOREST\_UNIT\_CODE, COLLECTION\_DATE, COLLECTION\_TIME),

CONSTRAINT WEATHER\_FK FOREIGN KEY (FOREST\_UNIT\_CODE) REFERENCES FOREST\_UNIT\_T (FOREST\_UNIT\_CODE));

CREATE TABLE FOREST\_MANAGEMENT\_T

(PARTY\_ID INTEGER NOT NULL,

FOREST\_UNIT\_CODE VARCHAR(19) NOT NULL,

CONSTRAINT FOREST\_MANAGEMENT\_PK PRIMARY KEY (FOREST\_UNIT\_CODE, PARTY\_ID),

CONSTRAINT FOREST\_MANAGEMENT\_FK FOREIGN KEY (FOREST\_UNIT\_CODE) REFERENCES FOREST\_UNIT\_T (FOREST\_UNIT\_CODE),

CONSTRAINT FOREST\_MANAGEMENT\_FK2 FOREIGN KEY (PARTY\_ID) REFERENCES PARTY\_T (PARTY\_ID));

CREATE TABLE COORDINATING\_UNIT\_T

(PARTY\_ID INTEGER NOT NULL,

COORDINATING\_UNIT\_NAME VARCHAR(75) NOT NULL,

COORDINATING\_UNIT\_CONTACT VARCHAR(75) NOT NULL,

COORDINATING\_UNIT\_PHONE\_NUMBER VARCHAR(50) NOT NULL,

COORDINATING\_UNIT\_EMAIL VARCHAR(75) NOT NULL,

CONSTRAINT COORDINATING\_UNIT\_PK PRIMARY KEY (PARTY\_ID, COORDINATING\_UNIT\_NAME),

CONSTRAINT COORDINATING\_UNIT\_FK FOREIGN KEY (PARTY\_ID) REFERENCES PARTY\_T (PARTY\_ID));

CREATE TABLE NON\_GOVERNMENT\_ORGANIZATION\_T

(NG\_PARTY\_ID INTEGER NOT NULL,

ORGANIZATION\_CLASSIFICATION VARCHAR(50) NOT NULL,

CONSTRAINT NON\_GOVERNMENT\_ORGANIZATION\_PK PRIMARY KEY (NG\_PARTY\_ID),

CONSTRAINT NON\_GOVERNMENT\_ORGANIZATION\_FK FOREIGN KEY (NG\_PARTY\_ID) REFERENCES PARTY\_T (PARTY\_ID));

CREATE TABLE GOVERNMENT\_ORGANIZATION\_T

(G\_PARTY\_ID INTEGER NOT NULL,

LEVEL\_OF\_GOVERNANCE VARCHAR(50) NOT NULL,

CONSTRAINT GOVERNMENT\_ORGANIZATION\_PK PRIMARY KEY (G\_PARTY\_ID),

CONSTRAINT GOVERNMENT\_ORGANIZATION\_FK FOREIGN KEY (G\_PARTY\_ID) REFERENCES PARTY\_T (PARTY\_ID));

CREATE TABLE GOVERNMENT\_RESOURCE\_T

(G\_PARTY\_ID INTEGER NOT NULL,

RESOURCE\_ID INTEGER NOT NULL,

CONSTRAINT GOVERNMENT\_RESOURCE\_PK PRIMARY KEY (G\_PARTY\_ID, RESOURCE\_ID),

CONSTRAINT GOVERNMENT\_RESOURCE\_FK FOREIGN KEY (G\_PARTY\_ID) REFERENCES GOVERNMENT\_ORGANIZATION\_T (G\_PARTY\_ID),

CONSTRAINT GOVERNMENT\_RESOURCE\_FK2 FOREIGN KEY (RESOURCE\_ID) REFERENCES FIREFIGHTING\_RESOURCE\_T (RESOURCE\_ID));

CREATE TABLE FOREST\_RESOURCE\_T

(FOREST\_UNIT\_CODE VARCHAR(19) NOT NULL,

RESOURCE\_ID INTEGER NOT NULL,

CONSTRAINT FOREST\_RESOURCE\_PK PRIMARY KEY (FOREST\_UNIT\_CODE, RESOURCE\_ID),

CONSTRAINT FOREST\_RESOURCE\_FK FOREIGN KEY (FOREST\_UNIT\_CODE) REFERENCES FOREST\_UNIT\_T (FOREST\_UNIT\_CODE),

CONSTRAINT FOREST\_RESOURCE\_FK2 FOREIGN KEY (RESOURCE\_ID) REFERENCES FIREFIGHTING\_RESOURCE\_T (RESOURCE\_ID));

CREATE TABLE CONTRACT\_T

(CONTRACT\_ID VARCHAR(50) NOT NULL,

RESOURCE\_ID INTEGER NOT NULL,

NG\_PARTY\_ID INTEGER NOT NULL,

CONTRACT\_TYPE VARCHAR(75) NOT NULL,

CONTRACT\_SUBTYPE VARCHAR(75),

CONTRACT\_START\_DATE DATE NOT NULL,

CONTRACT\_END\_DATE DATE NOT NULL,

CONSTRAINT CONTRACT\_PK PRIMARY KEY (CONTRACT\_ID, RESOURCE\_ID),

CONSTRAINT CONTRACT\_FK FOREIGN KEY (NG\_PARTY\_ID) REFERENCES NON\_GOVERNMENT\_ORGANIZATION\_T (NG\_PARTY\_ID),

CONSTRAINT CONTRACT\_FK2 FOREIGN KEY (RESOURCE\_ID) REFERENCES FIREFIGHTING\_RESOURCE\_T (RESOURCE\_ID));

CREATE TABLE ROAD\_T

(R\_RESOURCE\_ID INTEGER NOT NULL,

ROAD\_DESIGNATION VARCHAR(50) NOT NULL,

ROAD\_CLASSIFICATION VARCHAR(50) NOT NULL,

ROAD\_MAINTENANCE\_LEVEL INTEGER NOT NULL,

ROAD\_TRAFFIC\_SERVICE\_LEVEL CHAR NOT NULL,

ROAD\_STATUS VARCHAR(25) NOT NULL,

CONSTRAINT ROAD\_PK PRIMARY KEY (R\_RESOURCE\_ID),

CONSTRAINT ROAD\_FK FOREIGN KEY (R\_RESOURCE\_ID) REFERENCES FIREFIGHTING\_RESOURCE\_T (RESOURCE\_ID),

CONSTRAINT ROAD\_CHK CHECK (ROAD\_MAINTENANCE\_LEVEL >= 1 AND ROAD\_MAINTENANCE\_LEVEL <= 5),

CONSTRAINT ROAD\_CHK2 CHECK (ROAD\_TRAFFIC\_SERVICE\_LEVEL >= 'A' AND ROAD\_TRAFFIC\_SERVICE\_LEVEL <= 'D'),

CONSTRAINT ROAD\_CHK3 CHECK (ROAD\_STATUS = 'OPEN' OR ROAD\_STATUS = 'CLOSED - MAINTENANCE' OR ROAD\_STATUS = 'CLOSED - HAZARD' OR ROAD\_STATUS = 'DECOMMISSIONED'));

CREATE TABLE FACILITY\_T

(F\_RESOURCE\_ID INTEGER NOT NULL,

FACILITY\_NAME VARCHAR(75) NOT NULL,

FACILITY\_TYPE VARCHAR(75) NOT NULL,

FACILITY\_ADDRESS VARCHAR(100) NOT NULL,

FACILITY\_FRONT\_DESK\_PHONE\_NUMBER VARCHAR (50),

FACILITY\_USE VARCHAR(100) NOT NULL,

CONSTRAINT FACILITY\_PK PRIMARY KEY (F\_RESOURCE\_ID),

CONSTRAINT FACILITY\_FK FOREIGN KEY (F\_RESOURCE\_ID) REFERENCES FIREFIGHTING\_RESOURCE\_T (RESOURCE\_ID));

CREATE TABLE REGULAR\_FACILITY\_OPERATION\_TIME\_T

(F\_RESOURCE\_ID INTEGER NOT NULL,

RF\_DAY\_OF\_THE\_WEEK VARCHAR(10) NOT NULL,

REGULAR\_FACILTIY\_OPENING\_TIME TIME NOT NULL,

REGULAR\_FACILITY\_CLOSING\_TIME TIME NOT NULL,

CONSTRAINT REGULAR\_FACILITY\_OPERATION\_TIME\_PK PRIMARY KEY (F\_RESOURCE\_ID, RF\_DAY\_OF\_THE\_WEEK),

CONSTRAINT REGULAR\_FACILITY\_OPERATION\_TIME\_FK FOREIGN KEY (F\_RESOURCE\_ID) REFERENCES FIREFIGHTING\_RESOURCE\_T (RESOURCE\_ID));

ALTER TABLE REGULAR\_FACILITY\_OPERATION\_TIME\_T DROP CONSTRAINT REGULAR\_FACILITY\_OPERATION\_TIME\_FK;

ALTER TABLE REGULAR\_FACILITY\_OPERATION\_TIME\_T ADD CONSTRAINT REGULAR\_FACILITY\_OPERATION\_TIME\_FK FOREIGN KEY (F\_RESOURCE\_ID) REFERENCES FACILITY\_T (F\_RESOURCE\_ID);

CREATE TABLE HOLIDAY\_FACILITY\_OPERATION\_TIME\_T

(F\_RESOURCE\_ID INTEGER NOT NULL,

F\_DATE\_OF\_HOLIDAY DATE NOT NULL,

HOLIDAY\_FACILTIY\_OPENING\_TIME TIME NOT NULL,

HOLIDAY\_FACILITY\_CLOSING\_TIME TIME NOT NULL,

CONSTRAINT HOLIDAY\_FACILITY\_OPERATION\_TIME\_PK PRIMARY KEY (F\_RESOURCE\_ID, F\_DATE\_OF\_HOLIDAY),

CONSTRAINT HOLIDAY\_FACILITY\_OPERATION\_TIME\_FK FOREIGN KEY (F\_RESOURCE\_ID) REFERENCES FACILITY\_T (F\_RESOURCE\_ID));

CREATE TABLE SUPPLY\_T

(S\_RESOURCE\_ID INTEGER NOT NULL,

SUPPLY\_TYPE VARCHAR(75) NOT NULL,

SUPPLY\_QUANTITY INTEGER NOT NULL,

SUPPLY\_SOURCE VARCHAR(20) NOT NULL,

SUPPLY\_LOCATION VARCHAR(100) NOT NULL,

CONSTRAINT SUPPLY\_CHK CHECK (SUPPLY\_SOURCE = 'NATURAL' OR SUPPLY\_SOURCE = 'ORGANIZATION'),

CONSTRAINT SUPPLY\_PK PRIMARY KEY (S\_RESOURCE\_ID),

CONSTRAINT SUPPLY\_FK FOREIGN KEY (S\_RESOURCE\_ID) REFERENCES FIREFIGHTING\_RESOURCE\_T (RESOURCE\_ID));

ALTER TABLE SUPPLY\_T DROP COLUMN SUPPLY\_QUANTITY;

CREATE TABLE EQUIPMENT\_T

(E\_RESOURCE\_ID INTEGER NOT NULL,

SERIAL\_NUMBER VARCHAR(50) NOT NULL,

EQUIPMENT\_CODE INTEGER NOT NULL,

EQUIPMENT\_DESCRIPTION VARCHAR(75) NOT NULL,

EQUIPMENT\_COST DECIMAL NOT NULL,

EQUIPMENT\_OPERATIONAL\_STATUS VARCHAR(50) NOT NULL,

EQUIPMENT\_LOCATION VARCHAR(100) NOT NULL,

CONSTRAINT EQUIPMENT\_CHK CHECK (EQUIPMENT\_OPERATIONAL\_STATUS = 'OPERATIONAL' OR EQUIPMENT\_OPERATIONAL\_STATUS = 'UNDERGOING MAINTENANCE' OR EQUIPMENT\_OPERATIONAL\_STATUS = 'INOPERABLE'),

CONSTRAINT EQUIPMENT\_PK PRIMARY KEY (E\_RESOURCE\_ID),

CONSTRAINT EQUIPMENT\_FK FOREIGN KEY (E\_RESOURCE\_ID) REFERENCES FIREFIGHTING\_RESOURCE\_T (RESOURCE\_ID));

ALTER TABLE EQUIPMENT\_T MODIFY COLUMN EQUIPMENT\_COST DECIMAL (10,2);

CREATE TABLE PERSONNEL\_T

(P\_RESOURCE\_ID INTEGER NOT NULL,

PERSONNEL\_NAME VARCHAR(75) NOT NULL,

PERSONNEL\_POSITION VARCHAR(75) NOT NULL,

PERSONNEL\_BASE\_OF\_OPERATIONS VARCHAR(75) NOT NULL,

FIRE\_PERSONNEL CHAR NOT NULL,

CERTIFIED\_PERSONNEL CHAR NOT NULL,

USFS\_EMPLOYEE CHAR NOT NULL,

SUPERVISOR\_ID INTEGER NOT NULL,

CONSTRAINT PERSONNEL\_CHK CHECK (FIRE\_PERSONNEL = 'Y' OR FIRE\_PERSONNEL = 'N'),

CONSTRAINT PERSONNEL\_CHK2 CHECK (CERTIFIED\_PERSONNEL = 'Y' OR CERTIFIED\_PERSONNEL = 'N'),

CONSTRAINT PERSONNEL\_CHK3 CHECK (USFS\_EMPLOYEE = 'Y' OR USFS\_EMPLOYEE = 'N'),

CONSTRAINT PERSONNEL\_PK PRIMARY KEY (P\_RESOURCE\_ID),

CONSTRAINT PERSONNEL\_FK FOREIGN KEY (SUPERVISOR\_ID) REFERENCES PERSONNEL\_T (P\_RESOURCE\_ID),

CONSTRAINT PERSONNEL\_FK2 FOREIGN KEY (P\_RESOURCE\_ID) REFERENCES FIREFIGHTING\_RESOURCE\_T (RESOURCE\_ID));

ALTER TABLE PERSONNEL\_T MODIFY COLUMN SUPERVISOR\_ID INTEGER;

CREATE TABLE PERSONNEL\_PHONE\_NUMBER\_T

(P\_RESOURCE\_ID INTEGER NOT NULL,

PERSONNEL\_PHONE\_NUMBER VARCHAR(50) NOT NULL,

CONSTRAINT PERSONNEL\_PHONE\_NUMBER\_PK PRIMARY KEY (P\_RESOURCE\_ID, PERSONNEL\_PHONE\_NUMBER),

CONSTRAINT PERSONNEL\_PHONE\_NUMBER\_FK FOREIGN KEY (P\_RESOURCE\_ID) REFERENCES PERSONNEL\_T (P\_RESOURCE\_ID));

CREATE TABLE PERSONNEL\_EMAIL\_T

(P\_RESOURCE\_ID INTEGER NOT NULL,

PERSONNEL\_EMAIL VARCHAR(75) NOT NULL,

CONSTRAINT PERSONNEL\_EMAIL\_PK PRIMARY KEY (P\_RESOURCE\_ID, PERSONNEL\_EMAIL),

CONSTRAINT PERSONNEL\_EMAIL\_FK FOREIGN KEY (P\_RESOURCE\_ID) REFERENCES PERSONNEL\_T (P\_RESOURCE\_ID));

CREATE TABLE PERSONNEL\_SEASONAL\_AVAILABILITY\_T

(P\_RESOURCE\_ID INTEGER NOT NULL,

PS\_DAY\_OF\_THE\_WEEK VARCHAR(10) NOT NULL,

SEASONAL\_SHIFT\_START\_TIME TIME NOT NULL,

SEASONAL\_SHIFT\_END\_TIME TIME NOT NULL,

CONSTRAINT PERSONNEL\_SEASONAL\_AVAILABILITY\_PK PRIMARY KEY (P\_RESOURCE\_ID, PS\_DAY\_OF\_THE\_WEEK),

CONSTRAINT PERSONNEL\_SEASONAL\_AVAILABILITY\_FK FOREIGN KEY (P\_RESOURCE\_ID) REFERENCES PERSONNEL\_T (P\_RESOURCE\_ID));

CREATE TABLE PERSONNEL\_OFF\_SEASON\_AVAILABILITY\_T

(P\_RESOURCE\_ID INTEGER NOT NULL,

PO\_DAY\_OF\_THE\_WEEK VARCHAR(10) NOT NULL,

OFFSEASON\_SHIFT\_START\_TIME TIME NOT NULL,

OFFSEASON\_SHIFT\_END\_TIME TIME NOT NULL,

CONSTRAINT PERSONNEL\_OFF\_SEASON\_AVAILABILITY\_T\_PK PRIMARY KEY (P\_RESOURCE\_ID, PO\_DAY\_OF\_THE\_WEEK),

CONSTRAINT PERSONNEL\_OFF\_SEASON\_AVAILABILITY\_T\_FK FOREIGN KEY (P\_RESOURCE\_ID) REFERENCES PERSONNEL\_T (P\_RESOURCE\_ID));

CREATE TABLE PERSONNEL\_HOLIDAY\_AVAILABILITY\_T

(P\_RESOURCE\_ID INTEGER NOT NULL,

P\_DATE\_OF\_HOLIDAY DATE NOT NULL,

HOLIDAY\_SHIFT\_START\_TIME TIME NOT NULL,

HOLIDAY\_SHIFT\_END\_TIME TIME NOT NULL,

CONSTRAINT PERSONNEL\_HOLIDAY\_AVAILABILITY\_PK PRIMARY KEY (P\_RESOURCE\_ID, P\_DATE\_OF\_HOLIDAY),

CONSTRAINT PERSONNEL\_HOLIDAY\_AVAILABILITY\_FK FOREIGN KEY (P\_RESOURCE\_ID) REFERENCES PERSONNEL\_T (P\_RESOURCE\_ID));

CREATE TABLE FIRE\_PERSONNEL\_T

(F\_PERSONNEL\_ID INTEGER NOT NULL,

FP\_RANK VARCHAR(25) NOT NULL,

YEARS\_OF\_EXPERIENCE INTEGER NOT NULL,

CONSTRAINT FIRE\_PERSONNEL\_PK PRIMARY KEY (F\_PERSONNEL\_ID),

CONSTRAINT FIRE\_PERSONNEL\_FK FOREIGN KEY (F\_PERSONNEL\_ID) REFERENCES PERSONNEL\_T (P\_RESOURCE\_ID));

CREATE TABLE NWCG\_QUALIFICATION\_T

(F\_PERSONNEL\_ID INTEGER NOT NULL,

NWCG\_QUALIFICATION VARCHAR(50) NOT NULL,

QUALIFICATION\_DATE DATE NOT NULL,

CONSTRAINT NWCG\_QUALIFICATION\_PK PRIMARY KEY (F\_PERSONNEL\_ID, NWCG\_QUALIFICATION, QUALIFICATION\_DATE),

CONSTRAINT NWCG\_QUALIFICATIONL\_FK FOREIGN KEY (F\_PERSONNEL\_ID) REFERENCES FIRE\_PERSONNEL\_T (F\_PERSONNEL\_ID));

CREATE TABLE CERTIFIED\_PERSONNEL\_T

(C\_PERSONNEL\_ID INTEGER NOT NULL,

CONSTRAINT CERTIFIED\_PERSONNEL\_PK PRIMARY KEY (C\_PERSONNEL\_ID),

CONSTRAINT CERTIFIED\_PERSONNEL\_FK FOREIGN KEY (C\_PERSONNEL\_ID) REFERENCES PERSONNEL\_T (P\_RESOURCE\_ID));

CREATE TABLE CERTIFIED\_PERSONNEL\_CERTIFICATION\_T

(C\_PERSONNEL\_ID INTEGER NOT NULL,

CERTIFICATION VARCHAR(50) NOT NULL,

CERTIFICATION\_COMPLETION\_DATE DATE NOT NULL,

CONSTRAINT CERTIFIED\_PERSONNEL\_CERTIFICATION\_PK PRIMARY KEY (C\_PERSONNEL\_ID, CERTIFICATION, CERTIFICATION\_COMPLETION\_DATE),

CONSTRAINT CERTIFIED\_PERSONNEL\_CERTIFICATION\_FK FOREIGN KEY (C\_PERSONNEL\_ID) REFERENCES CERTIFIED\_PERSONNEL\_T (C\_PERSONNEL\_ID));

CREATE TABLE CERTIFIED\_PERSONNEL\_TRAINING\_T

(C\_PERSONNEL\_ID INTEGER NOT NULL,

TRAINING\_PROGRAM VARCHAR(50) NOT NULL,

TRAINING\_PROGRAM\_COMPLETION\_DATE DATE NOT NULL,

CONSTRAINT CERTIFIED\_PERSONNEL\_TRAINING\_PK PRIMARY KEY (C\_PERSONNEL\_ID, TRAINING\_PROGRAM, TRAINING\_PROGRAM\_COMPLETION\_DATE),

CONSTRAINT CERTIFIED\_PERSONNEL\_TRAINING\_FK FOREIGN KEY (C\_PERSONNEL\_ID) REFERENCES CERTIFIED\_PERSONNEL\_T (C\_PERSONNEL\_ID));

CREATE TABLE SPECIALIZED\_LICENSE\_T

(LICENSE\_ID VARCHAR(50) NOT NULL,

C\_PERSONNEL\_ID INTEGER NOT NULL,

LICENSE\_TYPE VARCHAR(50) NOT NULL,

LICENSE\_ISSUING\_AUTHORITY VARCHAR(50) NOT NULL,

LICENSE\_STATUS VARCHAR(25) NOT NULL,

LICENSE\_ISSUANCE\_DATE DATE NOT NULL,

LICENSE\_RENEWAL\_DATE DATE,

LICENSE\_EXPIRATION\_DATE DATE,

CONSTRAINT SPECIALIZED\_LICENSE\_CHK CHECK (LICENSE\_STATUS = 'ACTIVE' OR LICENSE\_STATUS = 'EXPIRED' OR LICENSE\_STATUS = 'SUSPENDED' OR LICENSE\_STATUS = 'REVOKED'),

CONSTRAINT SPECIALIZED\_LICENSE\_PK PRIMARY KEY (C\_PERSONNEL\_ID, LICENSE\_ID),

CONSTRAINT SPECIALIZED\_LICENSE\_FK FOREIGN KEY (C\_PERSONNEL\_ID) REFERENCES CERTIFIED\_PERSONNEL\_T (C\_PERSONNEL\_ID));

CREATE TABLE USFS\_EMPLOYEE\_T

(U\_PERSONNEL\_ID INTEGER NOT NULL,

ADMIN\_REGION\_CODE VARCHAR(2) NOT NULL,

ADMIN\_FOREST\_CODE VARCHAR(2) NOT NULL,

ADMIN\_DISTRICT\_CODE VARCHAR(2) NOT NULL,

PAY\_GRADE INTEGER NOT NULL,

EMPLOYEE\_STATUS VARCHAR(25) NOT NULL,

EMPLOYEE\_ADDRESS VARCHAR(100) NOT NULL,

CONSTRAINT USFS\_EMPLOYEE\_PK PRIMARY KEY (U\_PERSONNEL\_ID),

CONSTRAINT USFS\_EMPLOYEE\_FK FOREIGN KEY (U\_PERSONNEL\_ID) REFERENCES PERSONNEL\_T (P\_RESOURCE\_ID));

CREATE TABLE SUPPLY\_QUANTITY\_T

(S\_RESOURCE\_ID INTEGER NOT NULL,

SUPPLY\_QUANTITY INTEGER NOT NULL,

SUPPLY\_QUANTITY\_UNIT VARCHAR(20) NOT NULL,

CONSTRAINT SUPPLY\_QUANTITY\_PK PRIMARY KEY (S\_RESOURCE\_ID),

CONSTRAINT SUPPLY\_QUANTITY\_FK FOREIGN KEY (S\_RESOURCE\_ID) REFERENCES SUPPLY\_T (S\_RESOURCE\_ID));

INSERT INTO BIOTA\_T VALUES (567.20, 'Canis Rufus', 'Red Wolf', 'P');

INSERT INTO BIOTA\_T VALUES (379.15, 'Alligator Mississipiensis', 'American Alligator', 'P');

INSERT INTO BIOTA\_T VALUES (114.23, 'Lonicera Japonica', 'Japanese Honeysuckle', 'I');

INSERT INTO BIOTA\_T VALUES (172.35, 'Acer Platanoides ', 'Norway Maple', 'I');

INSERT INTO BIOTA\_T VALUES (116.36, 'Fagus Grandifola', 'American Beech', NULL);

INSERT INTO INVASIVE\_PLANT\_T VALUES (114.23);

INSERT INTO INVASIVE\_PLANT\_T VALUES (172.35);

INSERT INTO PROTECTED\_WILDLIFE\_T VALUES (567.20, 'Endangered');

INSERT INTO PROTECTED\_WILDLIFE\_T VALUES (379.15, 'Threatened');

INSERT INTO FUEL\_TREATMENT\_T VALUES (NULL, 1140, 'Fireline Construction');

INSERT INTO FUEL\_TREATMENT\_T VALUES (NULL, 1113, 'Underburn - Low Intensity (Majority of Unit');

INSERT INTO PARTY\_T VALUES (NULL, 'Bureau of Indian Affairs', 'G');

INSERT INTO PARTY\_T VALUES (NULL, 'U.S. Fish & Wildlife', 'G');

INSERT INTO PARTY\_T VALUES (NULL, 'All Hands & Hearts', 'N');

INSERT INTO PARTY\_T VALUES (NULL, '1-A Construction', 'N');

INSERT INTO PARTY\_T VALUES (NULL, 'US Forest Service', 'G');

INSERT INTO PARTY\_T VALUES (NULL, 'City of Willamette', 'G');

INSERT INTO COORDINATING\_UNIT\_T VALUES (1, 'Department of Wildfire Management', 'James E. Roland', 123-456-7891, 'jroland@outlook.com');

INSERT INTO COORDINATING\_UNIT\_T VALUES (2, 'Wildfire Management Program', 'Margaret J. Smith', 123-478-7891, 'msmith23@outlook.com');

INSERT INTO COORDINATING\_UNIT\_T VALUES (3, 'Wildfire Coordiation Office', 'Maria D. Sanchez', 123-456-7231, 'msanchez41@outlook.com');

INSERT INTO COORDINATING\_UNIT\_T VALUES (4, 'Operations Office', 'Lee J. Song', 123-246-7891, 'lsong891@outlook.com');

INSERT INTO COORDINATING\_UNIT\_T VALUES (4, 'Supply Office', 'Jane T. Munoz', 243-456-7891, 'jmunoz3@outlook.com');

INSERT INTO COORDINATING\_UNIT\_T VALUES (5, 'Wildfire Response Team', 'Jay J. Kingsfield', 353-456-7891, 'jkingsfield2@outlook.com');

UPDATE COORDINATING\_UNIT\_T SET COORDINATING\_UNIT\_PHONE\_NUMBER = '123-456-7891' WHERE PARTY\_ID = 1;

UPDATE COORDINATING\_UNIT\_T SET COORDINATING\_UNIT\_PHONE\_NUMBER = '123-478-7891' WHERE PARTY\_ID = 2;

UPDATE COORDINATING\_UNIT\_T SET COORDINATING\_UNIT\_PHONE\_NUMBER = '123-456-7231' WHERE PARTY\_ID = 3;

UPDATE COORDINATING\_UNIT\_T SET COORDINATING\_UNIT\_PHONE\_NUMBER = '123-246-7891' WHERE PARTY\_ID = 4 AND COORDINATING\_UNIT\_NAME = 'Operations Office';

UPDATE COORDINATING\_UNIT\_T SET COORDINATING\_UNIT\_PHONE\_NUMBER = '243-456-7891' WHERE PARTY\_ID = 4 AND COORDINATING\_UNIT\_NAME = 'Supply Office';

UPDATE COORDINATING\_UNIT\_T SET COORDINATING\_UNIT\_PHONE\_NUMBER = '353-456-7891' WHERE PARTY\_ID = 5;

INSERT INTO NON\_GOVERNMENT\_ORGANIZATION\_T VALUES (3, 'Volunteer');

INSERT INTO NON\_GOVERNMENT\_ORGANIZATION\_T VALUES (4, 'Construction');

INSERT INTO GOVERNMENT\_ORGANIZATION\_T VALUES (1, 'Federal');

INSERT INTO GOVERNMENT\_ORGANIZATION\_T VALUES (2, 'Federal');

INSERT INTO GOVERNMENT\_ORGANIZATION\_T VALUES (5, 'Federal');

INSERT INTO GOVERNMENT\_ORGANIZATION\_T VALUES (6, 'Local');

INSERT INTO FOREST\_UNIT\_T VALUES ('0111021B51345532122', 'Willamette National Forest', 'BIA', 650, 5, 2, 30, 'Spruce Hemlock', 50, 5.65, 5763, 15, 1.00, 1, 45, 5.61);

INSERT INTO FOREST\_UNIT\_T VALUES ('011102C325112516791', 'Willamette National Forest', 'FS', 630, 10, 15, 45, 'Mixed Conifer', 98.9, 50.67, 1500, 75, 0.5, 5, 58, 11.93);

UPDATE FOREST\_UNIT\_T SET OWNERSHIP\_NAME = 'Bureau Of Indian Affairs' WHERE FOREST\_UNIT\_T.FOREST\_UNIT\_CODE = '0111021B51345532122';

UPDATE FOREST\_UNIT\_T SET OWNERSHIP\_NAME = 'US Forest Service' WHERE FOREST\_UNIT\_T.FOREST\_UNIT\_CODE = '011102C325112516791';

INSERT INTO FIRE\_DISTURBANCE\_T VALUES (1137623, 'Government Fire', 173, '1991-11-27', 1123, 'Natural', 'Natural', 44.1054, 122.1757, 50.0);

INSERT INTO FIRE\_DISTURBANCE\_T VALUES (1137666, 'Jane Hill', 236, '2022-03-05', '1005', 'Human', 'Fireworks', 45.1167, 123.1783, 10.7);

UPDATE FIRE\_DISTURBANCE\_T SET DISCOVERY\_TIME = '112300' WHERE FIRE\_ID = 1137623;

UPDATE FIRE\_DISTURBANCE\_T SET DISCOVERY\_TIME = '100500' WHERE FIRE\_ID = 1137666;

UPDATE FIRE\_DISTURBANCE\_T SET FIRE\_NAME = 'Jane Hill Fire' WHERE FIRE\_ID = 1137666;

UPDATE FIRE\_DISTURBANCE\_T SET FIRE\_STATUS = 'CONTAINED' WHERE FIRE\_ID = 1137623;

UPDATE FIRE\_DISTURBANCE\_T SET FIRE\_STATUS = 'CONTAINED' WHERE FIRE\_ID = 1137666;

INSERT INTO FIRE\_DISTURBANCE\_T VALUES (1372511, 'Wyatt Slopes Fire',353, '2023-11-29', '060000', 'Unknown', 'Unknown', 44.11300, 123.178300, 11, 'UNCONTAINED');

INSERT INTO FOREST\_FIRE\_T VALUES (1137623, '0111021B51345532122', 100);

INSERT INTO FOREST\_FIRE\_T VALUES (1137666, '011102C325112516791', 25);

INSERT INTO FOREST\_FIRE\_T VALUES (1372511, '011102C325112516791', 5);

INSERT INTO FUEL\_TREATMENT\_HISTORY\_T VALUES (NULL, '0111021B51345532122', 1, 'Ongoing', 75, '2023-11-01', NULL);

INSERT INTO FUEL\_TREATMENT\_HISTORY\_T VALUES (NULL, '011102C325112516791', 2, 'Completed', 100, '2023-10-10', '2023-10-11');

INSERT INTO PROTECTED\_WILDLIFE\_HABITAT\_T VALUES (379.15, '0111021B51345532122', 2);

INSERT INTO PROTECTED\_WILDLIFE\_HABITAT\_T VALUES (379.15, '011102C325112516791', 5);

INSERT INTO INVASIVE\_PLANT\_INFESTATION\_T VALUES (13762, 114.23, '0111021B51345532122', 15, 5);

INSERT INTO INVASIVE\_PLANT\_INFESTATION\_T VALUES (14538, 114.23, '011102C325112516791', 50, 75);

INSERT INTO FIREFIGHTING\_RESOURCE\_T VALUES (NULL, 113, 'R');

INSERT INTO FIREFIGHTING\_RESOURCE\_T VALUES (NULL, 130, 'F');

INSERT INTO FIREFIGHTING\_RESOURCE\_T VALUES (NULL, 130, 'F');

INSERT INTO FIREFIGHTING\_RESOURCE\_T VALUES (NULL, 113, 'R');

INSERT INTO FIREFIGHTING\_RESOURCE\_T VALUES (NULL, 520, 'S');

INSERT INTO FIREFIGHTING\_RESOURCE\_T VALUES (NULL, 520, 'S');

INSERT INTO FIREFIGHTING\_RESOURCE\_T VALUES (NULL, 520, 'S');

INSERT INTO FIREFIGHTING\_RESOURCE\_T VALUES (NULL, 673, 'E');

INSERT INTO FIREFIGHTING\_RESOURCE\_T VALUES (NULL, 673, 'E');

INSERT INTO FIREFIGHTING\_RESOURCE\_T VALUES (NULL, 237, 'P');

INSERT INTO FIREFIGHTING\_RESOURCE\_T VALUES (NULL, 560, NULL);

INSERT INTO FIREFIGHTING\_RESOURCE\_T VALUES (NULL, 237, 'P');

INSERT INTO FIREFIGHTING\_RESOURCE\_T VALUES (NULL, 237, 'P');

INSERT INTO FIREFIGHTING\_RESOURCE\_T VALUES (NULL, 237, 'P');

INSERT INTO FIREFIGHTING\_RESOURCE\_T VALUES (NULL, 237, 'P');

UPDATE FIREFIGHTING\_RESOURCE\_T SET RESOURCE\_CODE = 237 WHERE RESOURCE\_ID = 10;

UPDATE FIREFIGHTING\_RESOURCE\_T SET RESOURCE\_CLASSIFICATION = 'P' WHERE RESOURCE\_ID = 10;

UPDATE FIREFIGHTING\_RESOURCE\_T SET RESOURCE\_CODE = 560 WHERE RESOURCE\_ID = 11;

UPDATE FIREFIGHTING\_RESOURCE\_T SET RESOURCE\_CLASSIFICATION = NULL WHERE RESOURCE\_ID = 11;

UPDATE FIREFIGHTING\_RESOURCE\_T SET RESOURCE\_CODE = 237 WHERE RESOURCE\_ID = 12;

UPDATE FIREFIGHTING\_RESOURCE\_T SET RESOURCE\_CODE = 237 WHERE RESOURCE\_ID = 13;

UPDATE FIREFIGHTING\_RESOURCE\_T SET RESOURCE\_CODE = 237 WHERE RESOURCE\_ID = 14;

INSERT INTO FIREFIGHTING\_RESOURCE\_T VALUES (NULL, 237, 'P');

INSERT INTO FOREST\_RESOURCE\_T VALUES ('0111021B51345532122', 5);

INSERT INTO FOREST\_RESOURCE\_T VALUES ('0111021B51345532122', 2);

INSERT INTO FOREST\_RESOURCE\_T VALUES ('011102C325112516791', 3);

INSERT INTO GOVERNMENT\_RESOURCE\_T VALUES (5, 1);

INSERT INTO GOVERNMENT\_RESOURCE\_T VALUES (5, 2);

INSERT INTO GOVERNMENT\_RESOURCE\_T VALUES (5, 3);

INSERT INTO GOVERNMENT\_RESOURCE\_T VALUES (5, 4);

INSERT INTO GOVERNMENT\_RESOURCE\_T VALUES (5, 5);

INSERT INTO GOVERNMENT\_RESOURCE\_T VALUES (5, 6);

INSERT INTO GOVERNMENT\_RESOURCE\_T VALUES (5, 8);

INSERT INTO GOVERNMENT\_RESOURCE\_T VALUES (5, 9);

INSERT INTO GOVERNMENT\_RESOURCE\_T VALUES (5, 10);

INSERT INTO GOVERNMENT\_RESOURCE\_T VALUES (5, 11);

INSERT INTO GOVERNMENT\_RESOURCE\_T VALUES (1, 14);

INSERT INTO GOVERNMENT\_RESOURCE\_T VALUES (6, 16);

INSERT INTO FOREST\_MANAGEMENT\_T VALUES (5, '011102C325112516791');

INSERT INTO FOREST\_MANAGEMENT\_T VALUES (1, '0111021B51345532122');

INSERT INTO ROAD\_T VALUES (1, 'Forest Road 37', 'Forest Arterial Road', 2, 'C', 'Open');

INSERT INTO ROAD\_T VALUES (4, 'Forest Road 43', 'Classified Road', 4, 'A', 'Open');

INSERT INTO FACILITY\_T VALUES (2, 'Willamette Observation Center', 'Research Center', '234 Forest Road 52, Willamette National Park, Willamette, OR 97068', '543-235-0987', 'Research');

INSERT INTO FACILITY\_T VALUES (3, 'High Peak Rangers Office', 'Outpost', '234 Forest Road 63, Willamette National Park, Willamette, OR 97068', '236-987-0987', 'Ranger Support');

INSERT INTO REGULAR\_FACILITY\_OPERATION\_TIME\_T VALUES (2, 'MONDAY', '080000', '160000');

INSERT INTO REGULAR\_FACILITY\_OPERATION\_TIME\_T VALUES (2, 'TUESDAY', '080000', '160000');

INSERT INTO REGULAR\_FACILITY\_OPERATION\_TIME\_T VALUES (2, 'WEDNESDAY', '080000', '160000');

INSERT INTO REGULAR\_FACILITY\_OPERATION\_TIME\_T VALUES (3, 'MONDAY', '000000', '115900');

INSERT INTO REGULAR\_FACILITY\_OPERATION\_TIME\_T VALUES (3, 'TUESDAY', '000000', '115900');

INSERT INTO REGULAR\_FACILITY\_OPERATION\_TIME\_T VALUES (3, 'WEDNESDAY', '000000', '115900');

UPDATE REGULAR\_FACILITY\_OPERATION\_TIME\_T SET REGULAR\_FACILITY\_CLOSING\_TIME = '235900' WHERE F\_RESOURCE\_ID = 3;

INSERT INTO HOLIDAY\_FACILITY\_OPERATION\_TIME\_T VALUES (3, '2024-11-23', '000000', '235900');

INSERT INTO HOLIDAY\_FACILITY\_OPERATION\_TIME\_T VALUES (3, '2023-12-25', '000000', '235900');

INSERT INTO HOLIDAY\_FACILITY\_OPERATION\_TIME\_T VALUES (3, '2024-12-25', '000000', '235900');

INSERT INTO CONTRACT\_T VALUES ('117A56789', 12, 3, 'Participating Agreement', NULL, '2023-08-23', '2024-08-23');

INSERT INTO CONTRACT\_T VALUES ('236B53385', 13, 3, 'Participating Agreement', NULL, '2023-05-06', '2024-05-06');

INSERT INTO CONTRACT\_T VALUES ('756C3218', 7, 4, 'Service Contract', 'Hourly\_Rate', '2022-09-15', '2024-09-15');

INSERT INTO CONTRACT\_T VALUES ('236B53385', 15, 4, 'Service Contract', 'Hourly\_Rate', '2022-09-15', '2024-09-15');

INSERT INTO SUPPLY\_T VALUES (5, 'Water', 'Natural', 'Big Lake');

INSERT INTO SUPPLY\_T VALUES (6, 'Fire Suppressant', 'Organization', 'Room 232, 1234 5th St, Willamette, OR 97068');

INSERT INTO SUPPLY\_T VALUES (16, 'Water', 'Organization', 'Willamette Municipal Water Supply');

INSERT INTO SUPPLY\_QUANTITY\_T VALUES (5, 1000000, 'gallons');

INSERT INTO SUPPLY\_QUANTITY\_T VALUES (6, 500, 'gallons');

INSERT INTO SUPPLY\_QUANTITY\_T VALUES (16, 20000, 'gallons');

INSERT INTO WEATHER\_T VALUES ('0111021B51345532122', '2023-11-15', '115300', 78.5, 1.67, 12);

INSERT INTO WEATHER\_T VALUES ('0111021B51345532122', '2023-11-29', '040000', 69.7, 0.35, 3);

INSERT INTO WEATHER\_T VALUES ('011102C325112516791', '2023-11-15', '143000', 79.2, 1.98, 2);

INSERT INTO WEATHER\_T VALUES ('011102C325112516791', '2023-11-29', '103600', 71.3, 0.5, 6);

INSERT INTO EQUIPMENT\_T VALUES (7, '1789BC876', 17, 'Bulldozer', 75000, 'Operational', 'Warehouse 13, 2456 6th St., Willamette, OR 97068');

INSERT INTO EQUIPMENT\_T VALUES (8, '23954C48B783', 2356, 'Helicopter', 24000000, 'Operational', 'Hanger 1, 31 Industrial Dr., Willamette, OR 97068');

INSERT INTO PERSONNEL\_T VALUES (9, 'John K. Smith', 'Firefighter', '123 Forest Lane, Willamette, OR 97068', 'Y', 'N', 'Y', 14);

INSERT INTO PERSONNEL\_T VALUES (10, 'Alice D. Rockefeller', 'Firefighter', 'Apt 2, 45 10th Avenue, Willamette, OR 97068', 'Y', 'N', 'N', 14);

INSERT INTO PERSONNEL\_T VALUES (12, 'Darian L. Jackson', 'Ranger', '65 Tall Acres Rd, Willamette, OR 97068', 'N', 'N', 'Y', 14);

INSERT INTO PERSONNEL\_T VALUES (13, 'Sulin J. Singh', 'Nurse', '4305 College Rd., Willamette, OR 97068', 'N', 'Y', 'N', 14);

INSERT INTO PERSONNEL\_T VALUES (14, 'Abraham P. Anderson', 'Fire Manager', '765 Ashton Circle, Willamette, OR 97068', 'Y', 'N', 'N', NULL);

INSERT INTO PERSONNEL\_T VALUES (15, ' Phillip A. Stone', 'Heavy Equipment Operator', '526 Makeshift Ave., Willamette, OR 97068', 'N', 'Y', 'N', 14);

UPDATE PERSONNEL\_T SET PERSONNEL\_BASE\_OF\_OPERATIONS = 'Willamette, OR' WHERE P\_RESOURCE\_ID = 9;

UPDATE PERSONNEL\_T SET PERSONNEL\_BASE\_OF\_OPERATIONS = 'Willamette, OR' WHERE P\_RESOURCE\_ID = 10;

UPDATE PERSONNEL\_T SET PERSONNEL\_BASE\_OF\_OPERATIONS = 'Willamette, OR' WHERE P\_RESOURCE\_ID = 12;

UPDATE PERSONNEL\_T SET PERSONNEL\_BASE\_OF\_OPERATIONS = 'Willamette, OR' WHERE P\_RESOURCE\_ID = 13;

UPDATE PERSONNEL\_T SET PERSONNEL\_BASE\_OF\_OPERATIONS = 'Willamette, OR' WHERE P\_RESOURCE\_ID = 14;

UPDATE PERSONNEL\_T SET PERSONNEL\_BASE\_OF\_OPERATIONS = 'Willamette, OR' WHERE P\_RESOURCE\_ID = 15;

INSERT INTO PERSONNEL\_EMAIL\_T VALUES (9, 'jsmith678@outlook.com');

INSERT INTO PERSONNEL\_EMAIL\_T VALUES (10, 'arockefeller21@outlook.com');

INSERT INTO PERSONNEL\_EMAIL\_T VALUES (12, 'djackson76@gmail.com');

INSERT INTO PERSONNEL\_EMAIL\_T VALUES (13, 'ssingh@outlook.com');

INSERT INTO PERSONNEL\_EMAIL\_T VALUES (14, 'aanderson7891@outlook.com');

INSERT INTO PERSONNEL\_EMAIL\_T VALUES (15, 'pstone67@outlook.com');

INSERT INTO PERSONNEL\_EMAIL\_T VALUES (14, 'aanderson54@gmail.com');

INSERT INTO PERSONNEL\_PHONE\_NUMBER\_T VALUES (9, '258-897-6523');

INSERT INTO PERSONNEL\_PHONE\_NUMBER\_T VALUES (10, '586-852-4125');

INSERT INTO PERSONNEL\_PHONE\_NUMBER\_T VALUES (12, '562-852-3214');

INSERT INTO PERSONNEL\_PHONE\_NUMBER\_T VALUES (13, '457-852-5147');

INSERT INTO PERSONNEL\_PHONE\_NUMBER\_T VALUES (14, '326-526-9856');

INSERT INTO PERSONNEL\_PHONE\_NUMBER\_T VALUES (15, '258-896-3214');

INSERT INTO PERSONNEL\_PHONE\_NUMBER\_T VALUES (14, '582-852-6523');

INSERT INTO PERSONNEL\_SEASONAL\_AVAILABILITY\_T VALUES (9, 'MONDAY', '060000', '180000');

INSERT INTO PERSONNEL\_SEASONAL\_AVAILABILITY\_T VALUES (9, 'TUESDAY', '060000', '180000');

INSERT INTO PERSONNEL\_SEASONAL\_AVAILABILITY\_T VALUES (10, 'MONDAY', '180000', '060000');

INSERT INTO PERSONNEL\_SEASONAL\_AVAILABILITY\_T VALUES (10, 'TUESDAY', '180000', '060000');

INSERT INTO PERSONNEL\_SEASONAL\_AVAILABILITY\_T VALUES (12, 'MONDAY', '080000', '160000');

INSERT INTO PERSONNEL\_SEASONAL\_AVAILABILITY\_T VALUES (12, 'TUESDAY', '080000', '160000');

INSERT INTO PERSONNEL\_SEASONAL\_AVAILABILITY\_T VALUES (13, 'MONDAY', '080000', '200000');

INSERT INTO PERSONNEL\_SEASONAL\_AVAILABILITY\_T VALUES (13, 'TUESDAY', '080000', '200000');

INSERT INTO PERSONNEL\_SEASONAL\_AVAILABILITY\_T VALUES (14, 'MONDAY', '060000', '180000');

INSERT INTO PERSONNEL\_SEASONAL\_AVAILABILITY\_T VALUES (14, 'TUESDAY', '060000', '180000');

INSERT INTO PERSONNEL\_SEASONAL\_AVAILABILITY\_T VALUES (15, 'MONDAY', '080000', '160000');

INSERT INTO PERSONNEL\_SEASONAL\_AVAILABILITY\_T VALUES (15, 'TUESDAY', '080000', '160000');

INSERT INTO PERSONNEL\_OFF\_SEASON\_AVAILABILITY\_T VALUES (9, 'MONDAY', '080000', '160000');

INSERT INTO PERSONNEL\_OFF\_SEASON\_AVAILABILITY\_T VALUES (9, 'TUESDAY', '080000', '160000');

INSERT INTO PERSONNEL\_OFF\_SEASON\_AVAILABILITY\_T VALUES (10, 'MONDAY', '160000', '000000');

INSERT INTO PERSONNEL\_OFF\_SEASON\_AVAILABILITY\_T VALUES (10, 'TUESDAY', '160000', '000000');

INSERT INTO PERSONNEL\_OFF\_SEASON\_AVAILABILITY\_T VALUES (12, 'MONDAY', '080000', '160000');

INSERT INTO PERSONNEL\_OFF\_SEASON\_AVAILABILITY\_T VALUES (12, 'TUESDAY', '080000', '160000');

INSERT INTO PERSONNEL\_OFF\_SEASON\_AVAILABILITY\_T VALUES (13, 'MONDAY', '080000', '160000');

INSERT INTO PERSONNEL\_OFF\_SEASON\_AVAILABILITY\_T VALUES (13, 'TUESDAY', '080000', '160000');

INSERT INTO PERSONNEL\_OFF\_SEASON\_AVAILABILITY\_T VALUES (14, 'MONDAY', '080000', '160000');

INSERT INTO PERSONNEL\_OFF\_SEASON\_AVAILABILITY\_T VALUES (14, 'TUESDAY', '080000', '160000');

INSERT INTO PERSONNEL\_OFF\_SEASON\_AVAILABILITY\_T VALUES (15, 'MONDAY', '080000', '160000');

INSERT INTO PERSONNEL\_OFF\_SEASON\_AVAILABILITY\_T VALUES (15, 'TUESDAY', '080000', '160000');

INSERT INTO PERSONNEL\_HOLIDAY\_AVAILABILITY\_T VALUES (9, '2023-12-25', '080000', '160000');

INSERT INTO PERSONNEL\_HOLIDAY\_AVAILABILITY\_T VALUES (10, '2023-12-25', '160000', '000000');

INSERT INTO PERSONNEL\_HOLIDAY\_AVAILABILITY\_T VALUES (14, '2023-12-25', '080000', '160000');

INSERT INTO FIRE\_PERSONNEL\_T VALUES (9, 'Lieutenant', 8);

INSERT INTO FIRE\_PERSONNEL\_T VALUES (10, 'Volunteer Firefighter', 2);

INSERT INTO FIRE\_PERSONNEL\_T VALUES (14, 'Fire Chief', 25);

INSERT INTO NWCG\_QUALIFICATION\_T VALUES (14, 'DIVS', '2003-10-21');

INSERT INTO NWCG\_QUALIFICATION\_T VALUES (14, 'ICT3', '2005-05-03');

INSERT INTO NWCG\_QUALIFICATION\_T VALUES (10, 'FFT1', '2018-03-15');

INSERT INTO NWCG\_QUALIFICATION\_T VALUES (9, 'FFT1', '2021-06-28');

INSERT INTO CERTIFIED\_PERSONNEL\_T VALUES (13);

INSERT INTO CERTIFIED\_PERSONNEL\_T VALUES (15);

INSERT INTO CERTIFIED\_PERSONNEL\_CERTIFICATION\_T VALUES (15, 'OSHA Safety Certification', '2020-03-19');

INSERT INTO CERTIFIED\_PERSONNEL\_CERTIFICATION\_T VALUES (15, 'Certified Equipment Operator', '2018-05-27');

INSERT INTO CERTIFIED\_PERSONNEL\_TRAINING\_T VALUES (13, 'Wildfire Smoke and Public Health', '2022-04-28');

INSERT INTO CERTIFIED\_PERSONNEL\_TRAINING\_T VALUES (13, 'Wildfire Fire STAR - Medical', '2023-01-13');

INSERT INTO SPECIALIZED\_LICENSE\_T VALUES ('136278AB3', 13, 'Nursing', 'State - OR', 'Active', '2017-11-23', '2023-11-23', '2025-11-23');

INSERT INTO SPECIALIZED\_LICENSE\_T VALUES ('2356AB32', 15, 'Drivers - Class C', 'State - OR', 'Active', '2021-08-03', NULL, '2026-08-03');

INSERT INTO USFS\_EMPLOYEE\_T VALUES (9, 11, 23, 56, 6, 'Active', '123 Forest Lane, Willamette, OR 97068');

INSERT INTO USFS\_EMPLOYEE\_T VALUES (12, 11, 23, 56, 10, 'Active', '65 Tall Acres Rd, Willamette, OR 97068');

DELETE FROM USFS\_EMPLOYEE\_T WHERE U\_PERSONNEL\_ID = 14;

INSERT INTO FIRE\_CONTAINMENT\_PROCEDURE\_T VALUES (1137623, 5, 5, '1991-11-27', '131500', 250.00);

INSERT INTO FIRE\_CONTAINMENT\_PROCEDURE\_T VALUES (1137666, 5, 5, '2022-03-05', '160000', 340.00);

INSERT INTO FIRE\_CONTAINMENT\_PROCEDURE\_T VALUES (1137666, 1, 14, '2022-03-05', '120300', 395.00);

SELECT FOREST\_UNIT\_T.FOREST\_UNIT\_CODE, OWNERSHIP\_NAME, COORDINATING\_UNIT\_NAME, COORDINATING\_UNIT\_CONTACT,

COORDINATING\_UNIT\_PHONE\_NUMBER, COORDINATING\_UNIT\_EMAIL,

SUM((PRECIPITATION\_SEASONALITY \* 0.223) + (IMPERVIOUSNESS \* 0.077) + ((1/DISTANCE\_TO\_ROADS)\* 0.06) + ((1/PRECIPITATION) \* 0.053) + ((1/DISTANCE\_TO\_SETTLEMENTS)\*0.028)

+ (WIND\_SPEED \* 0.085) + (TEMPERATURE \* 0.053)) AS RISK\_LEVEL

FROM FOREST\_UNIT\_T, WEATHER\_T, COORDINATING\_UNIT\_T, PARTY\_T

WHERE COLLECTION\_DATE = '2023-11-29' AND FOREST\_UNIT\_T.FOREST\_UNIT\_CODE = WEATHER\_T.FOREST\_UNIT\_CODE AND PARTY\_T.PARTY\_NAME = OWNERSHIP\_NAME

AND PARTY\_T.PARTY\_ID = COORDINATING\_UNIT\_T.PARTY\_ID

GROUP BY FOREST\_UNIT\_T.FOREST\_UNIT\_CODE, OWNERSHIP\_NAME, COORDINATING\_UNIT\_NAME, COORDINATING\_UNIT\_CONTACT,

COORDINATING\_UNIT\_PHONE\_NUMBER, COORDINATING\_UNIT\_EMAIL

ORDER BY FOREST\_UNIT\_T.FOREST\_UNIT\_CODE;

SELECT FACILITY\_NAME, FACILITY\_TYPE, FACILITY\_ADDRESS, FACILITY\_FRONT\_DESK\_PHONE\_NUMBER, FACILITY\_USE, REGULAR\_FACILTIY\_OPENING\_TIME, REGULAR\_FACILITY\_CLOSING\_TIME

FROM FACILITY\_T, REGULAR\_FACILITY\_OPERATION\_TIME\_T, FOREST\_FIRE\_T, FOREST\_RESOURCE\_T, FIRE\_DISTURBANCE\_T

WHERE RF\_DAY\_OF\_THE\_WEEK = 'WEDNESDAY' AND FACILITY\_T.F\_RESOURCE\_ID = REGULAR\_FACILITY\_OPERATION\_TIME\_T.F\_RESOURCE\_ID

AND FACILITY\_T.F\_RESOURCE\_ID = FOREST\_RESOURCE\_T.RESOURCE\_ID AND FOREST\_RESOURCE\_T.FOREST\_UNIT\_CODE = FOREST\_FIRE\_T.FOREST\_UNIT\_CODE

AND FOREST\_FIRE\_T.FIRE\_ID = FIRE\_DISTURBANCE\_T.FIRE\_ID AND FIRE\_STATUS = 'UNCONTAINED'

ORDER BY FACILITY\_NAME;

SELECT FOREST\_UNIT\_T.FOREST\_UNIT\_CODE, INFESTATION\_ID, COMMON\_NAME, INFESTED\_AREA\_PERCENTAGE

FROM FOREST\_UNIT\_T, INVASIVE\_PLANT\_T, INVASIVE\_PLANT\_INFESTATION\_T, BIOTA\_T

WHERE INVASIVE\_PLANT\_INFESTATION\_T.IP\_BIOTA\_CODE = INVASIVE\_PLANT\_T.IP\_BIOTA\_CODE AND BIOTA\_T.BIOTA\_CODE = INVASIVE\_PLANT\_T.IP\_BIOTA\_CODE

AND INVASIVE\_PLANT\_INFESTATION\_T.FOREST\_UNIT\_CODE = FOREST\_UNIT\_T.FOREST\_UNIT\_CODE

ORDER BY FOREST\_UNIT\_T.FOREST\_UNIT\_CODE;

SELECT FIRE\_CONTAINMENT\_PROCEDURE\_T.FIRE\_ID, SUM(PROCEDURE\_COST) AS TOTAL\_COST\_OF\_FIRE

FROM FIRE\_CONTAINMENT\_PROCEDURE\_T

WHERE FIRE\_CONTAINMENT\_PROCEDURE\_T.FIRE\_ID = 1137666

GROUP BY FIRE\_CONTAINMENT\_PROCEDURE\_T.FIRE\_ID;

SELECT F\_PERSONNEL\_ID, PERSONNEL\_NAME, PERSONNEL\_POSITION, FP\_RANK, PERSONNEL\_BASE\_OF\_OPERATIONS, PERSONNEL\_PHONE\_NUMBER, PERSONNEL\_EMAIL

FROM FIRE\_PERSONNEL\_T, PERSONNEL\_T, PERSONNEL\_PHONE\_NUMBER\_T, PERSONNEL\_EMAIL\_T

WHERE FIRE\_PERSONNEL\_T.F\_PERSONNEL\_ID = PERSONNEL\_T.P\_RESOURCE\_ID AND PERSONNEL\_T.P\_RESOURCE\_ID = PERSONNEL\_PHONE\_NUMBER\_T.P\_RESOURCE\_ID

AND PERSONNEL\_T.P\_RESOURCE\_ID = PERSONNEL\_EMAIL\_T.P\_RESOURCE\_ID

ORDER BY PERSONNEL\_NAME;

SELECT \* FROM BIOTA\_T;

SELECT \* FROM INVASIVE\_PLANT\_T;

SELECT \* FROM PROTECTED\_WILDLIFE\_T;

SELECT \* FROM FUEL\_TREATMENT\_T;

SELECT \* FROM PARTY\_T;

SELECT \* FROM COORDINATING\_UNIT\_T;

SELECT \* FROM NON\_GOVERNMENT\_ORGANIZATION\_T;

SELECT \* FROM GOVERNMENT\_ORGANIZATION\_T;

SELECT \* FROM FOREST\_UNIT\_T;

SELECT \* FROM FIRE\_DISTURBANCE\_T;

SELECT \* FROM FOREST\_FIRE\_T;

SELECT \* FROM FUEL\_TREATMENT\_HISTORY\_T;

SELECT \* FROM PROTECTED\_WILDLIFE\_HABITAT\_T;

SELECT \* FROM INVASIVE\_PLANT\_INFESTATION\_T;

SELECT \* FROM FIREFIGHTING\_RESOURCE\_T;

SELECT \* FROM FOREST\_RESOURCE\_T;

SELECT \* FROM GOVERNMENT\_RESOURCE\_T;

SELECT \* FROM FOREST\_MANAGEMENT\_T;

SELECT \* FROM ROAD\_T;

SELECT \* FROM FACILITY\_T;

SELECT \* FROM REGULAR\_FACILITY\_OPERATION\_TIME\_T;

SELECT \* FROM HOLIDAY\_FACILITY\_OPERATION\_TIME\_T;

SELECT \* FROM CONTRACT\_T;

SELECT \* FROM SUPPLY\_T;

SELECT \* FROM SUPPLY\_QUANTITY\_T;

SELECT \* FROM WEATHER\_T;

SELECT \* FROM EQUIPMENT\_T;

SELECT \* FROM PERSONNEL\_T;

SELECT \* FROM PERSONNEL\_EMAIL\_T;

SELECT \* FROM PERSONNEL\_PHONE\_NUMBER\_T;

SELECT \* FROM PERSONNEL\_SEASONAL\_AVAILABILITY\_T;

SELECT \* FROM PERSONNEL\_OFF\_SEASON\_AVAILABILITY\_T;

SELECT \* FROM PERSONNEL\_HOLIDAY\_AVAILABILITY\_T;

SELECT \* FROM FIRE\_PERSONNEL\_T;

SELECT \* FROM NWCG\_QUALIFICATION\_T;

SELECT \* FROM CERTIFIED\_PERSONNEL\_T;

SELECT \* FROM CERTIFIED\_PERSONNEL\_CERTIFICATION\_T;

SELECT \* FROM CERTIFIED\_PERSONNEL\_TRAINING\_T;

SELECT \* FROM SPECIALIZED\_LICENSE\_T;

SELECT \* FROM USFS\_EMPLOYEE\_T;

SELECT \* FROM FIRE\_CONTAINMENT\_PROCEDURE\_T;