1.

-FOREST (Forest_No, Name, Area, Acid_Level, MBR_XMin, MBR_XMax, MBR_YMin, MBR_YMax)

PK(Forest_No);

UQ(Name);

FK(Area,Name) → STATE(Name,Area)

-STATE (Name, Abbreviation, Area, Population )

PK(Name);

UQ(Abbreviation);

-COVERAGE (Forest_No, State, Percentage, Area )

PK(Forest_No);

UQ(State);

FK(Forest_No)->FOREST(Forest_No);

-ROAD (Road_No, Name, Length)

PK(Road_No);

QU(Name);

-INTERSECTION (Forest_No, Road_No)

PK(Forest_No, Road_No);

FK(Forest_No)->Forest(Forest_No);

FK(Road_No)->ROAD(Road_No);

-SENSOR (Sensor_Id, X, Y, Last_Charged)

PK(Sensor_Id);

-REPORT (Sensor_Id, Temperature, Report_Time)

PK(Sensor_Id);

UQ(Report_Time);

FK(Sensor_Id)->SENSOR(Sensor_Id);

-WORKER (SSN, Name, Age, Rank)

PK(SSN);

UQ(Rank);