HOWTO: Draft 2019 OGV Inventory Model

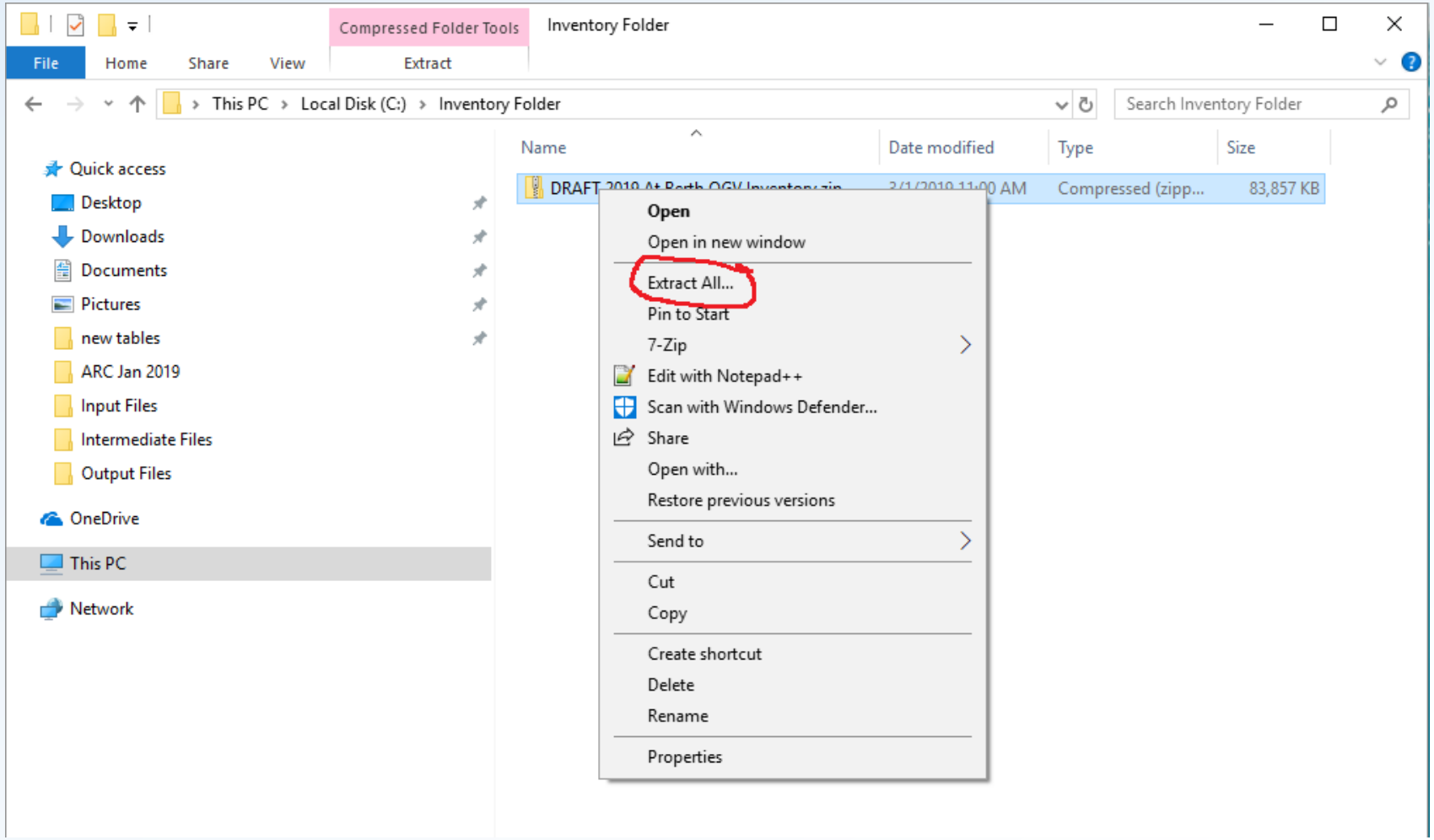
This short HOWTO presentation will cover downloading and running the Draft 2019 OGV Inventory Model, viewing the results and the input files for the model.

vers. March 1, 2019

2. Download Model Zip file

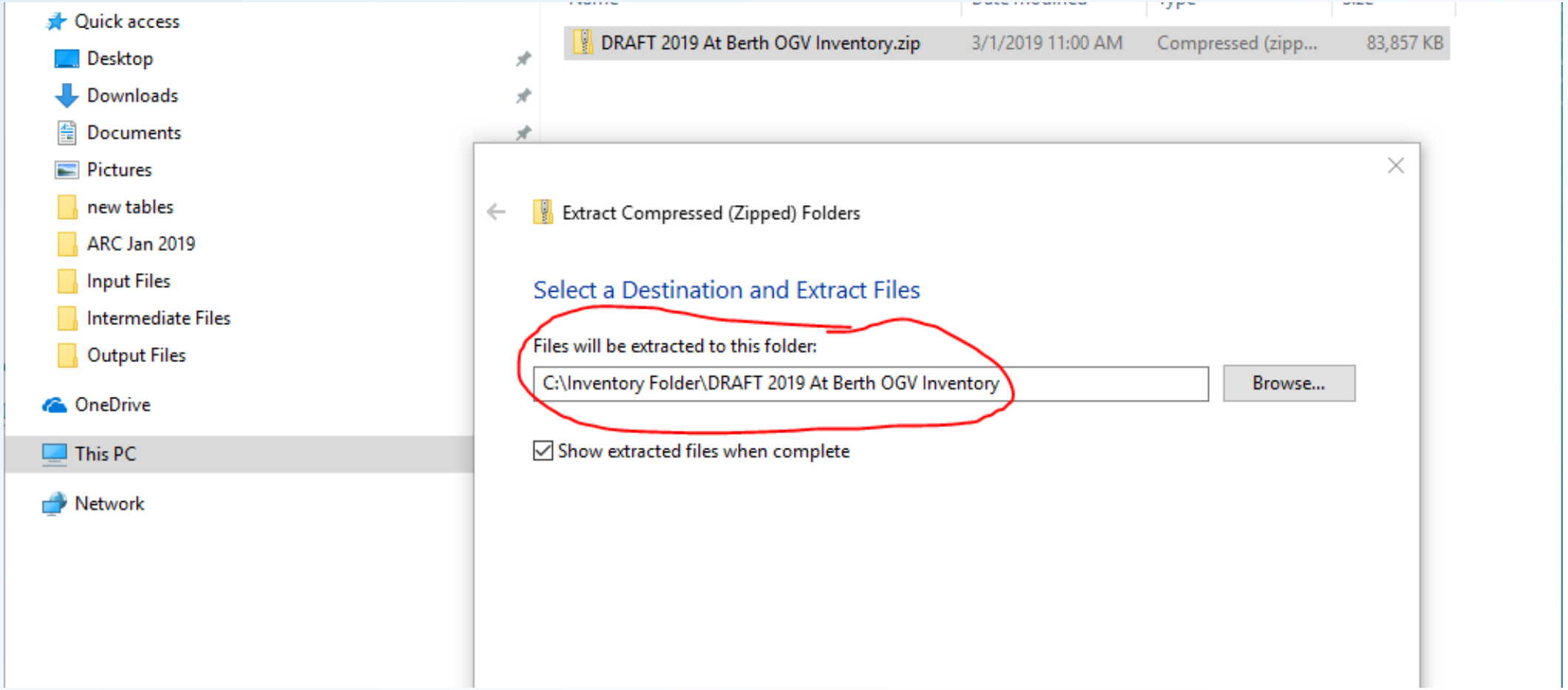
- Visit https://www.arb.ca.gov/msei/ordiesel.htm
- Scroll down to Ocean Going Vessels
- Select Draft 2019 Ocean Going Vessel Inventory Model Zip File

3. Extract Zip File

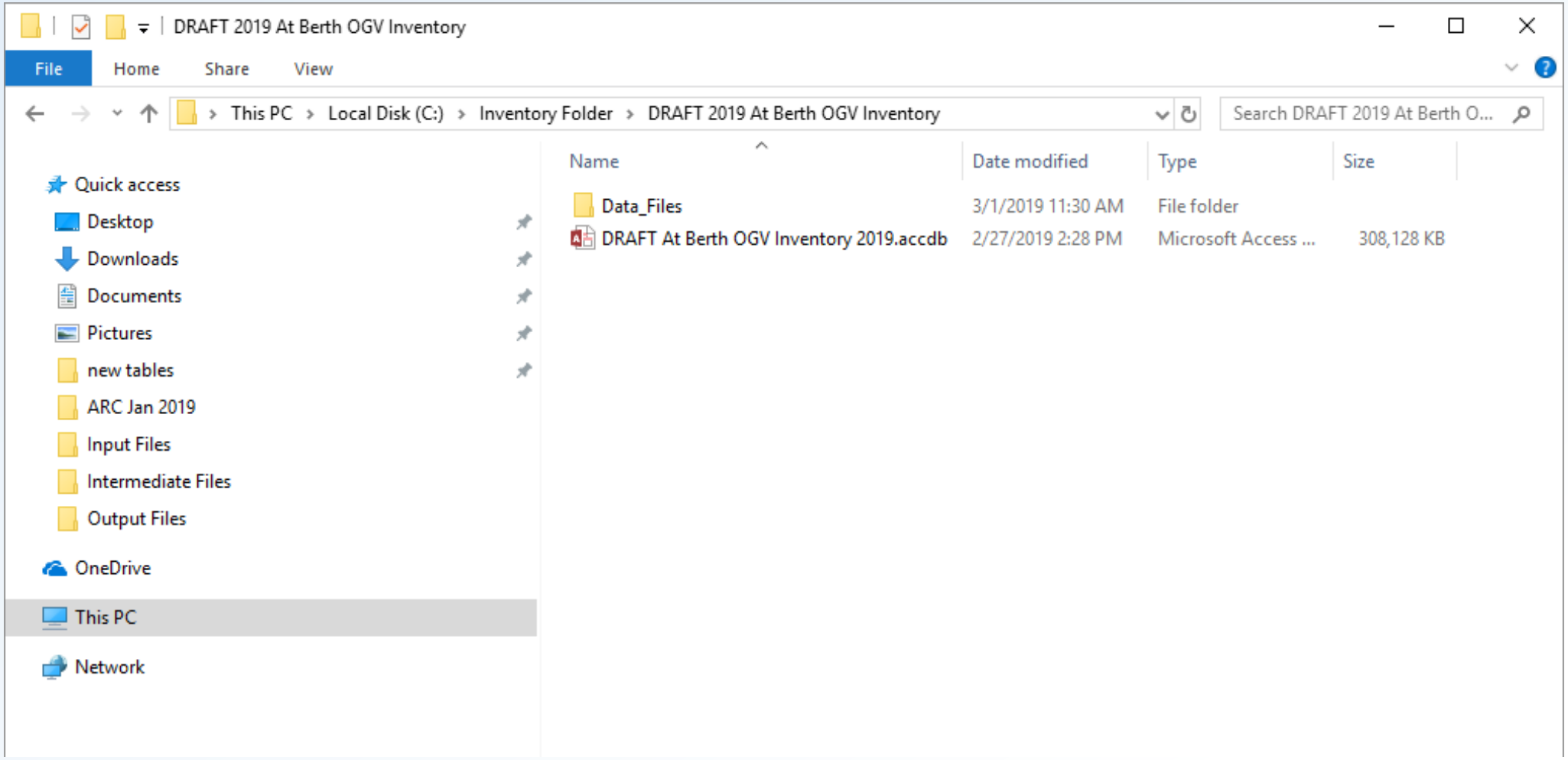


3. Select a destination folder

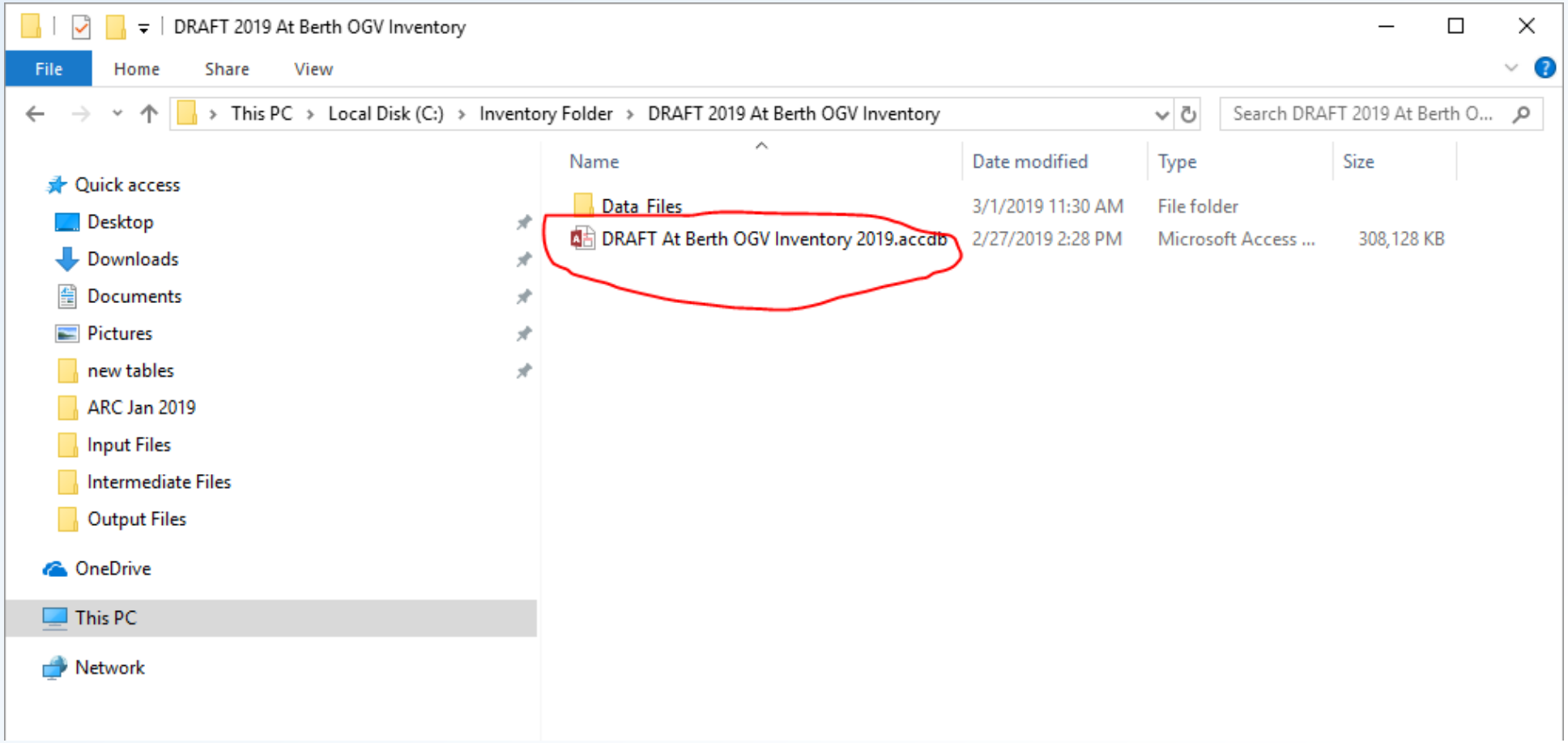
(Make sure extraction is to a folder you have administrative rights to)



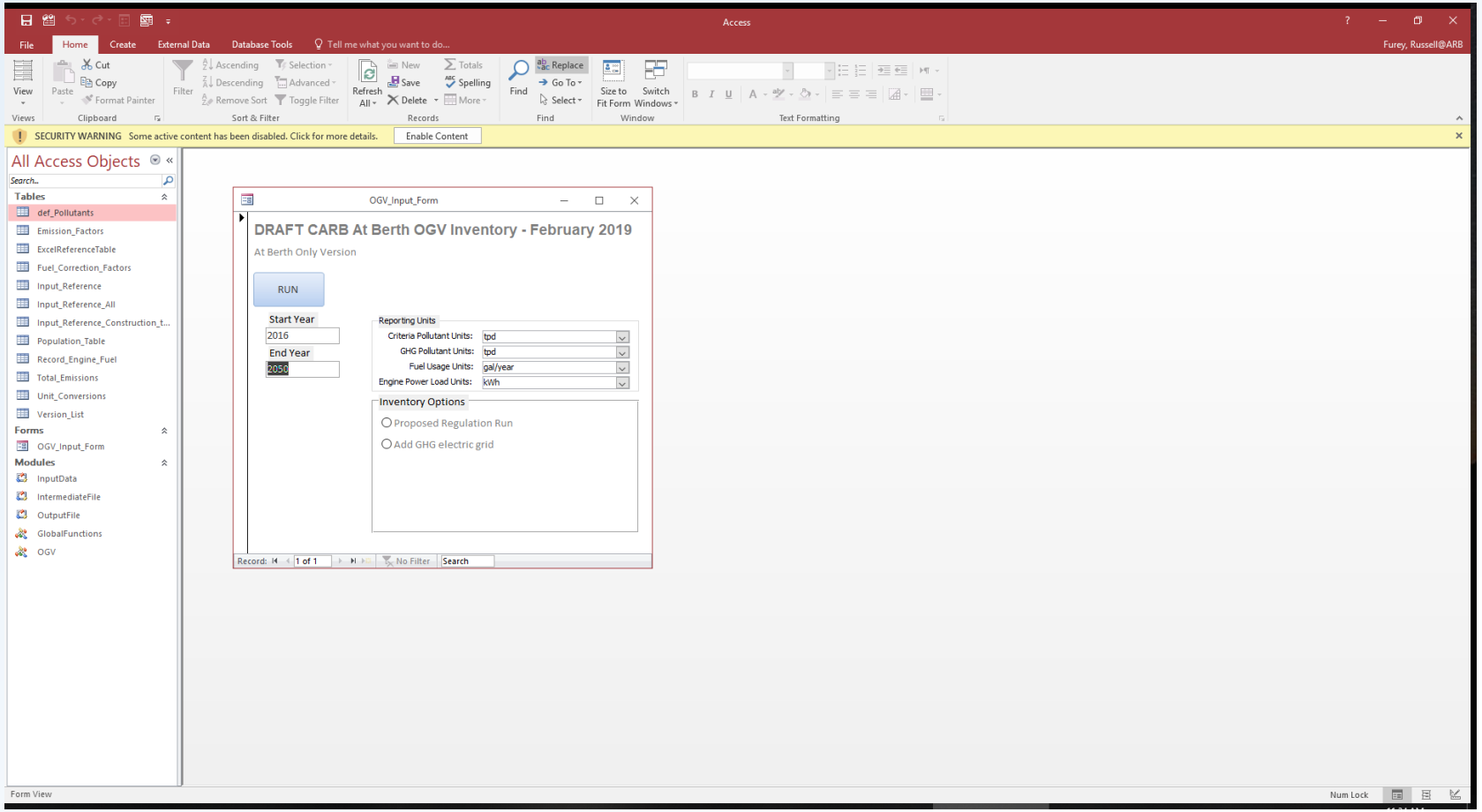
5. Open model folder



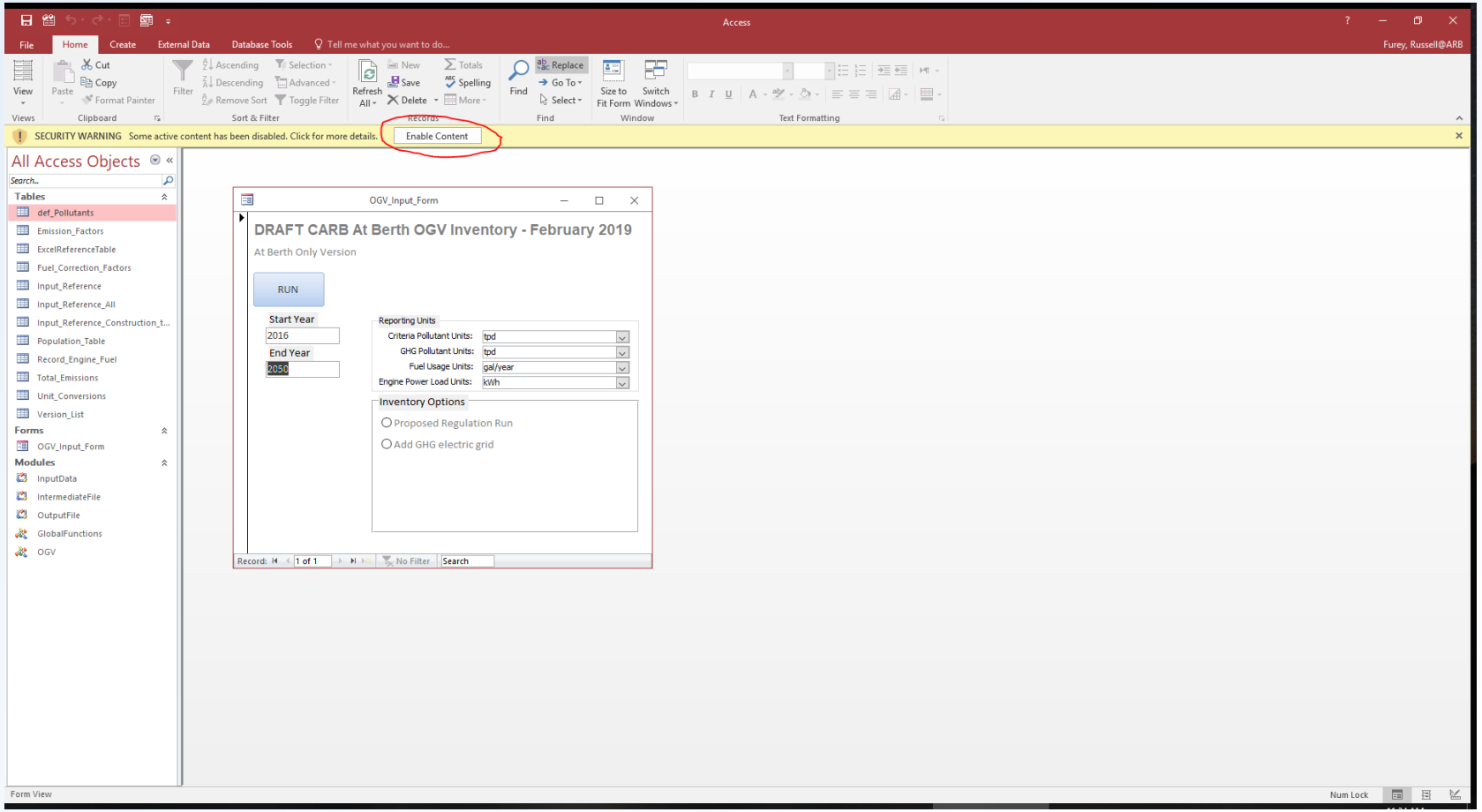
6. Open model database



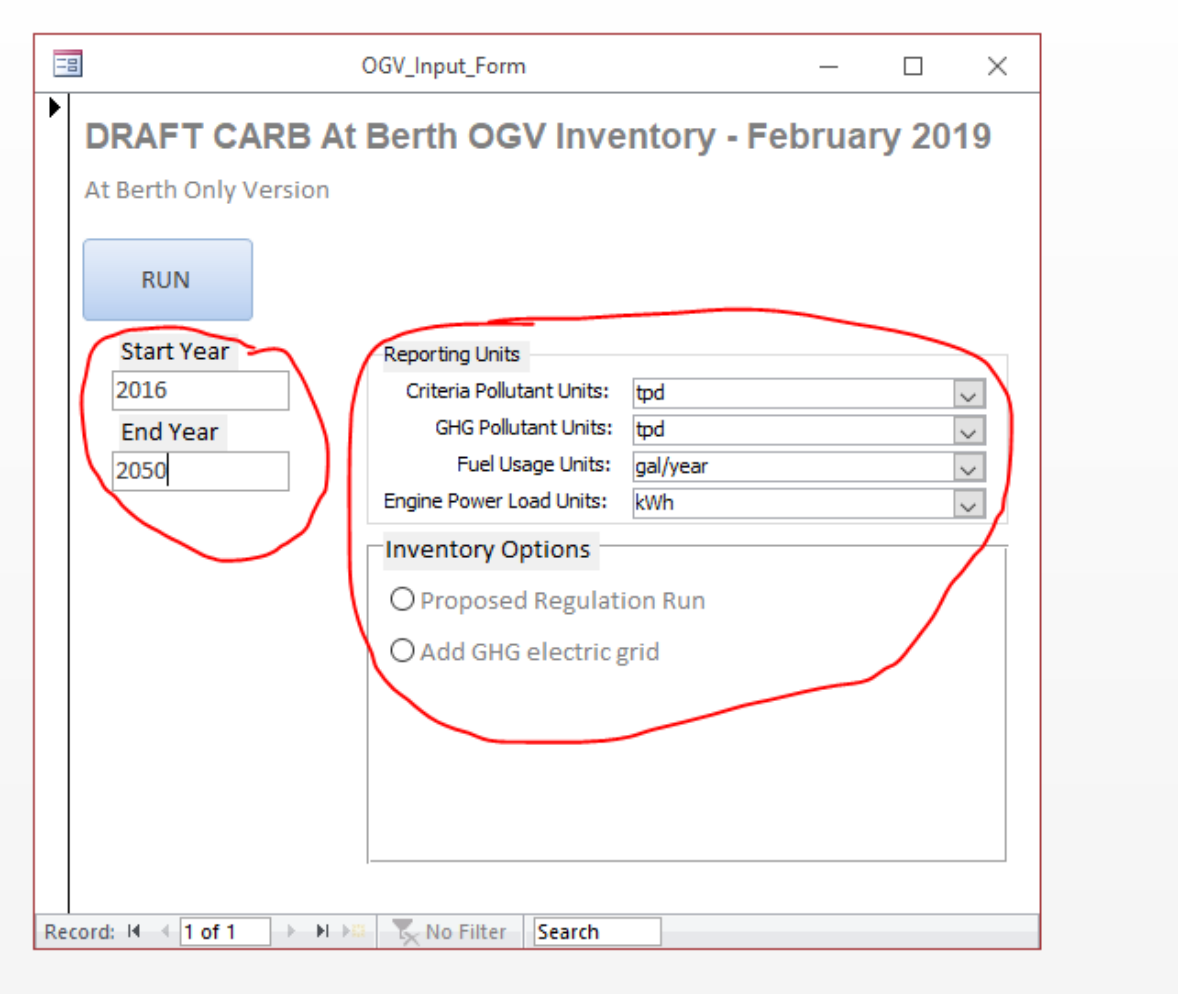
7. Opened model database



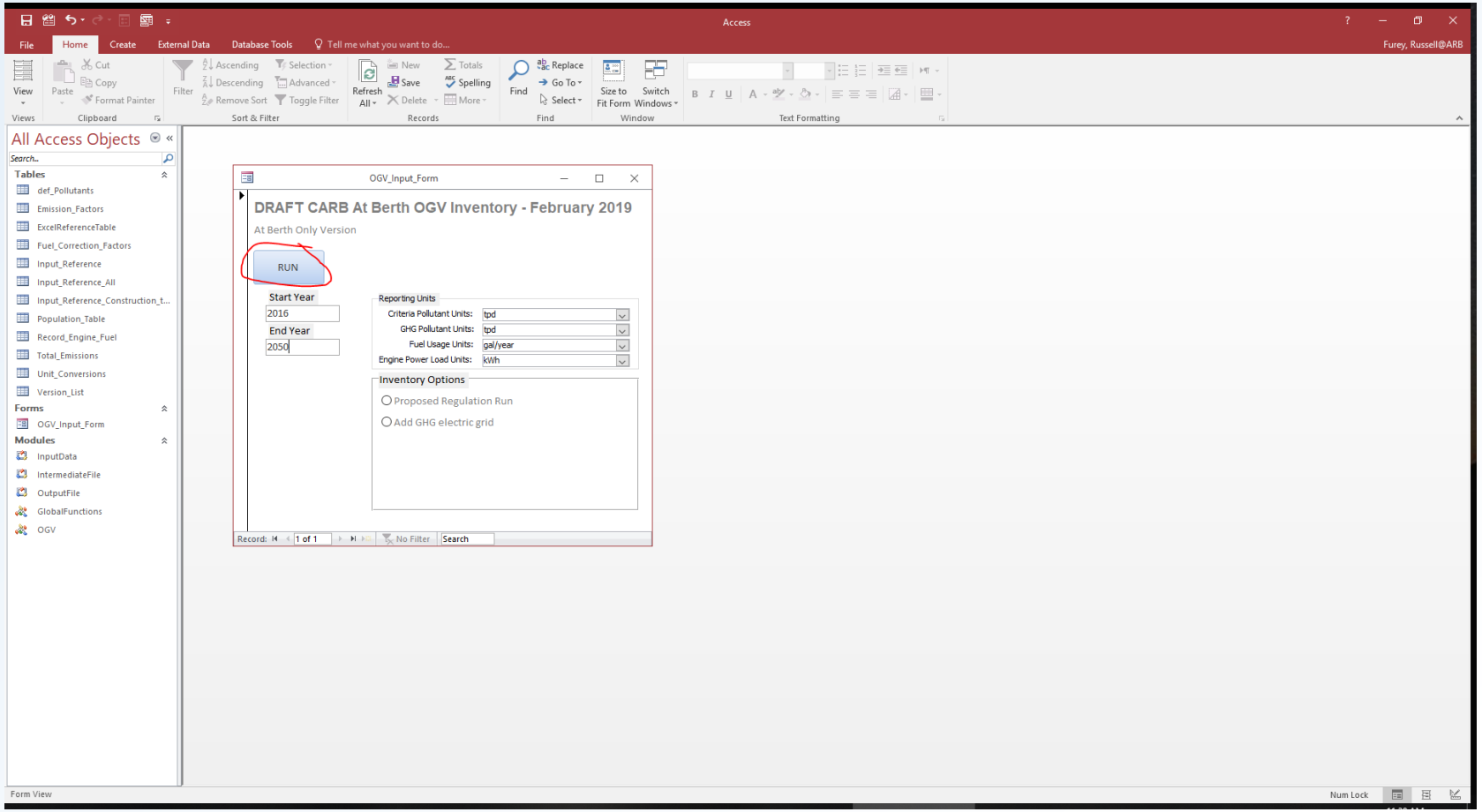
8. Enable Content



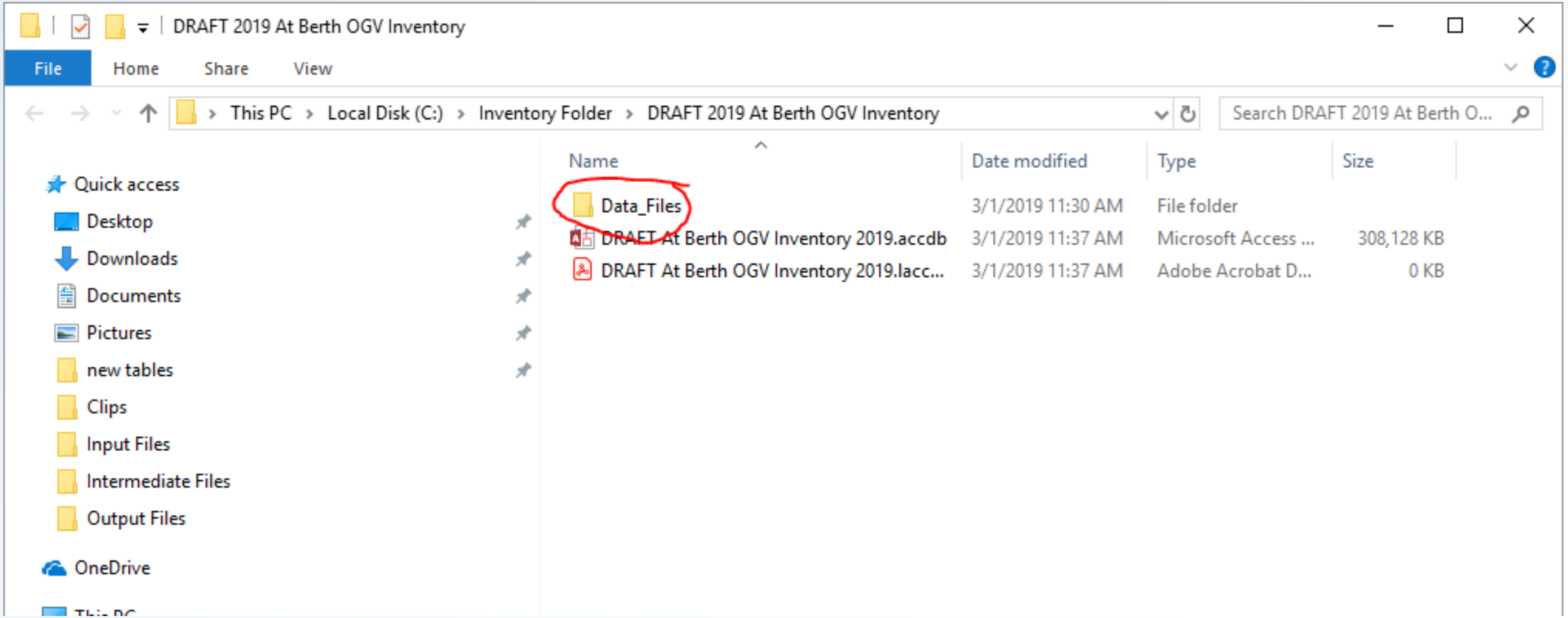
9. Select model run options



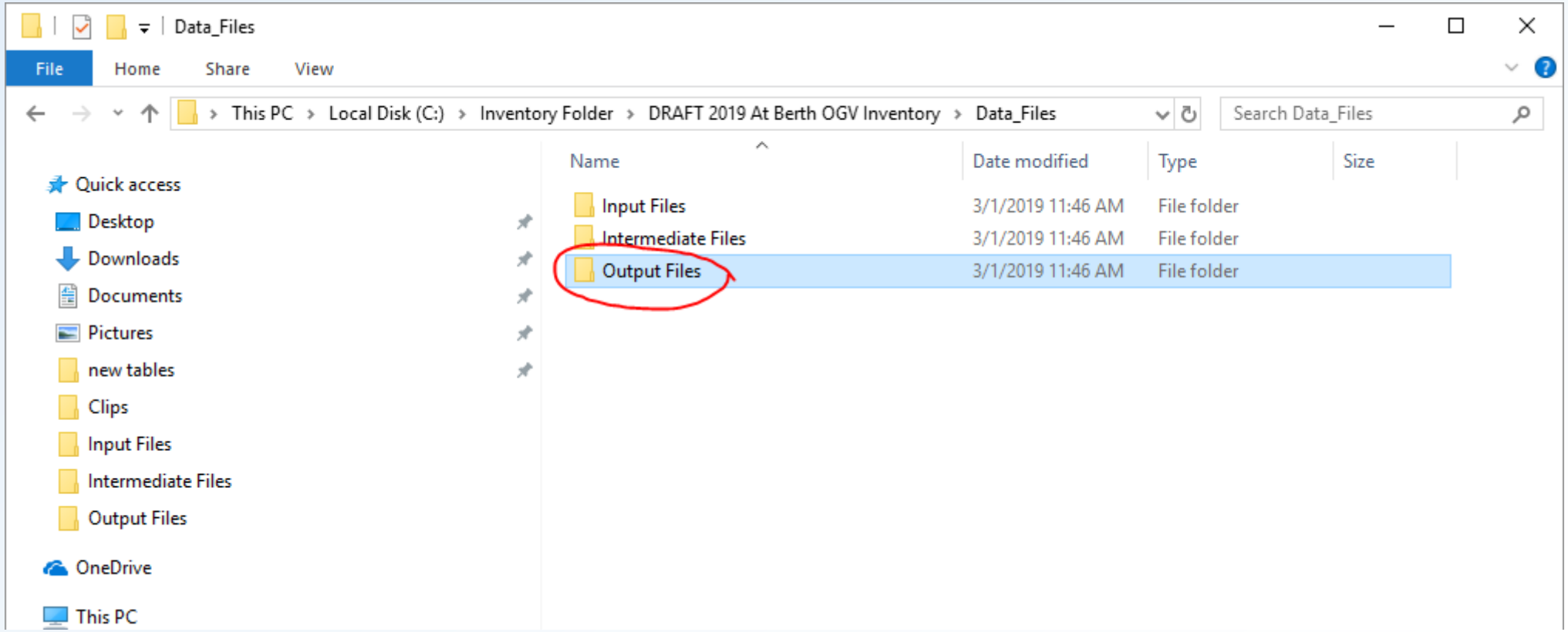
10. Select the run button



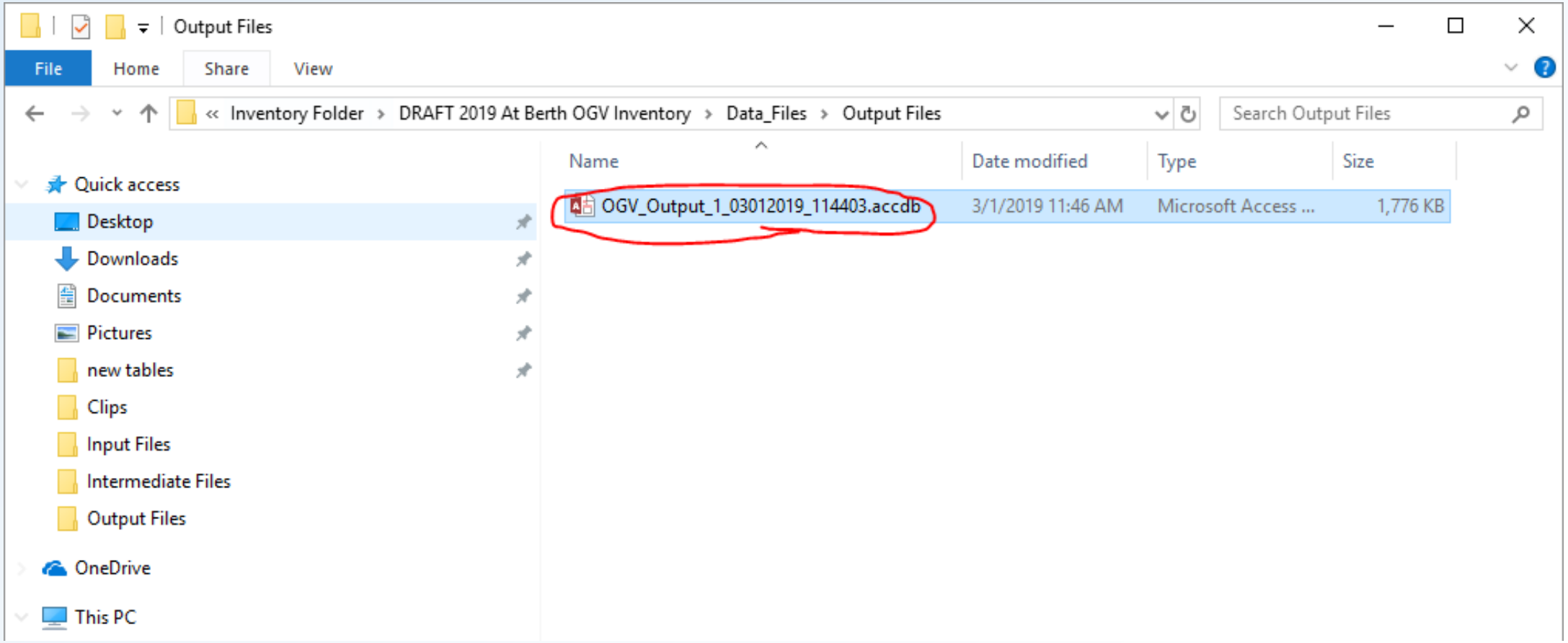
11. When the model is done running, open data files folder.



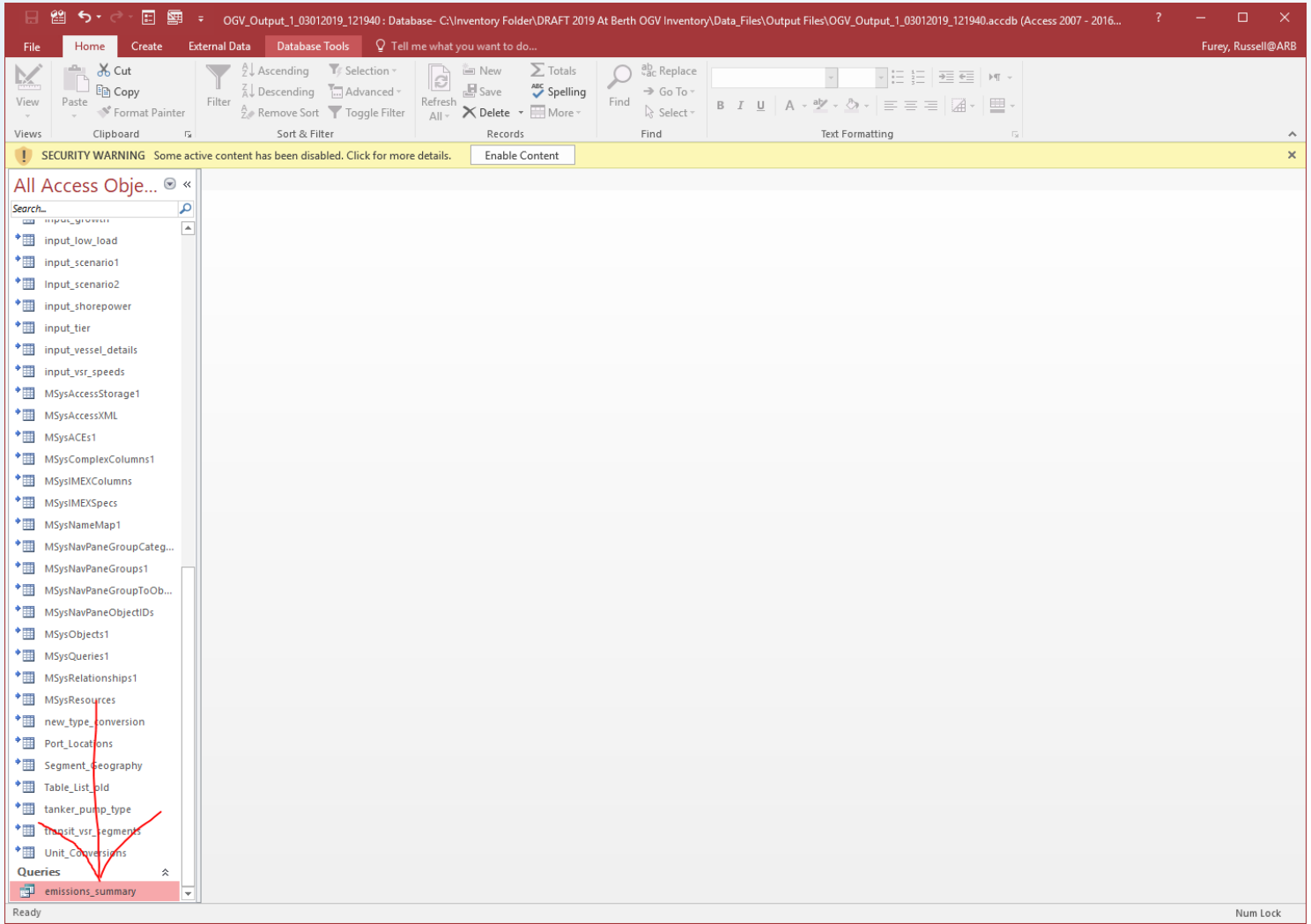
12. Open output files location



13. Open latest “OGV_Output” file

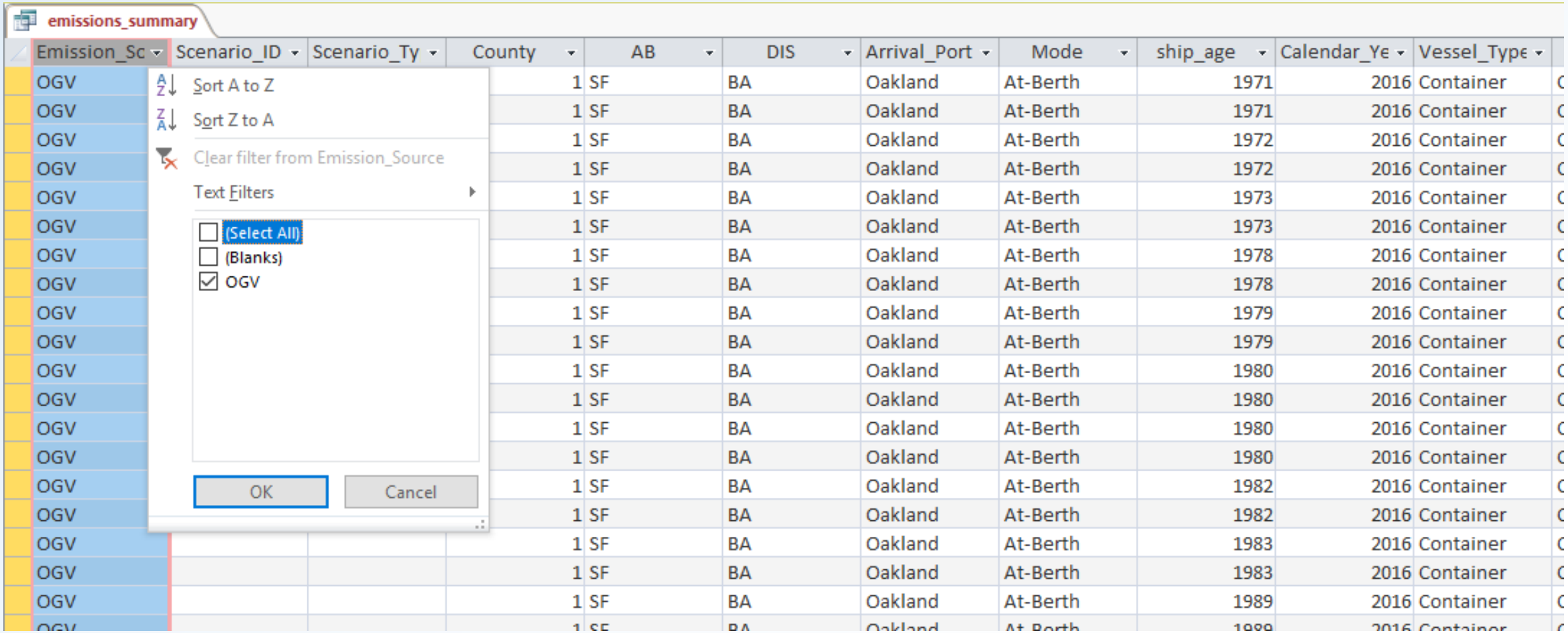


14. Model results within “emissions_summary” query

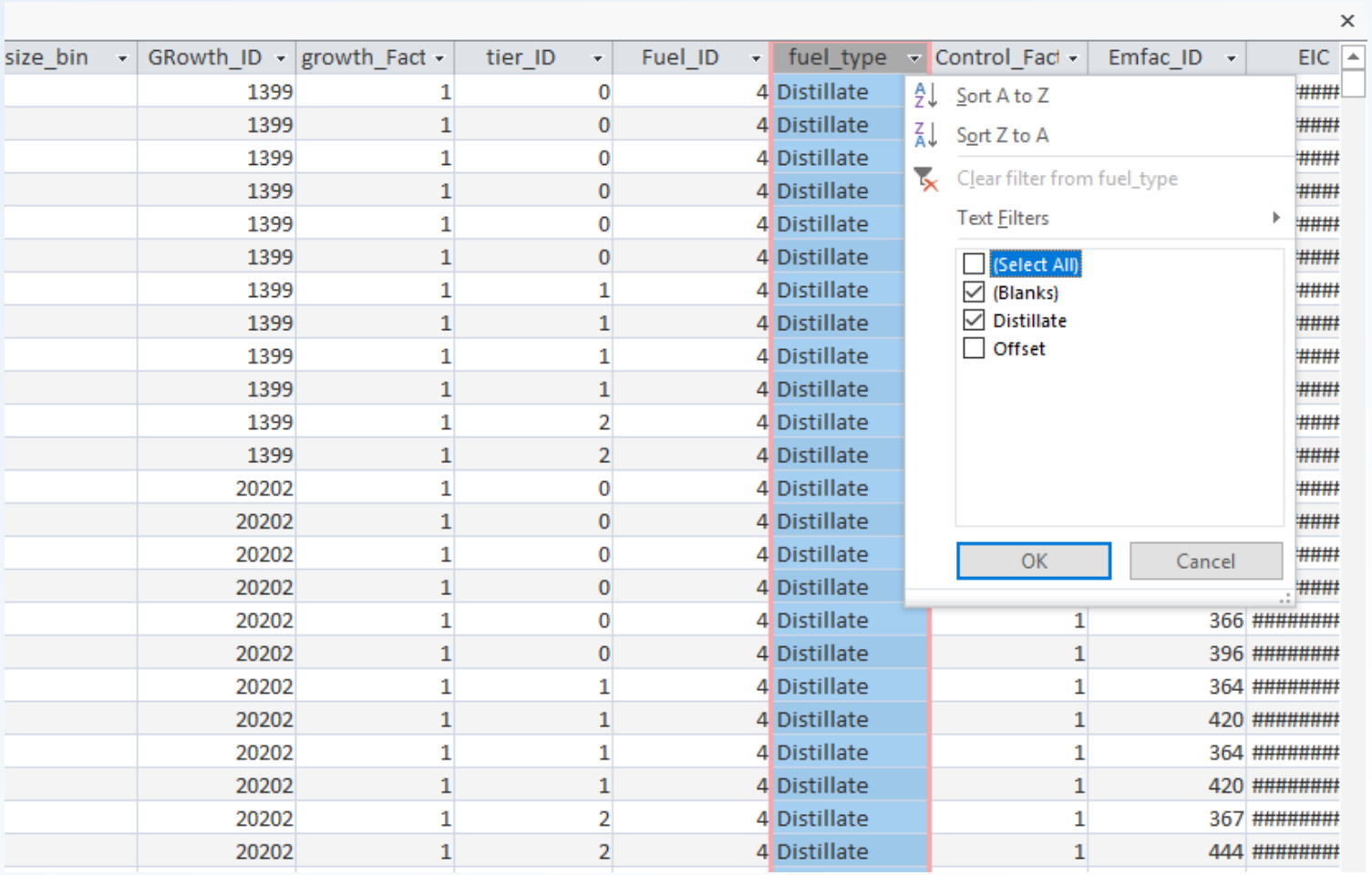


15. To select OGV emissions, do the following:

14.A Select OGV from “Emissions_Source” field

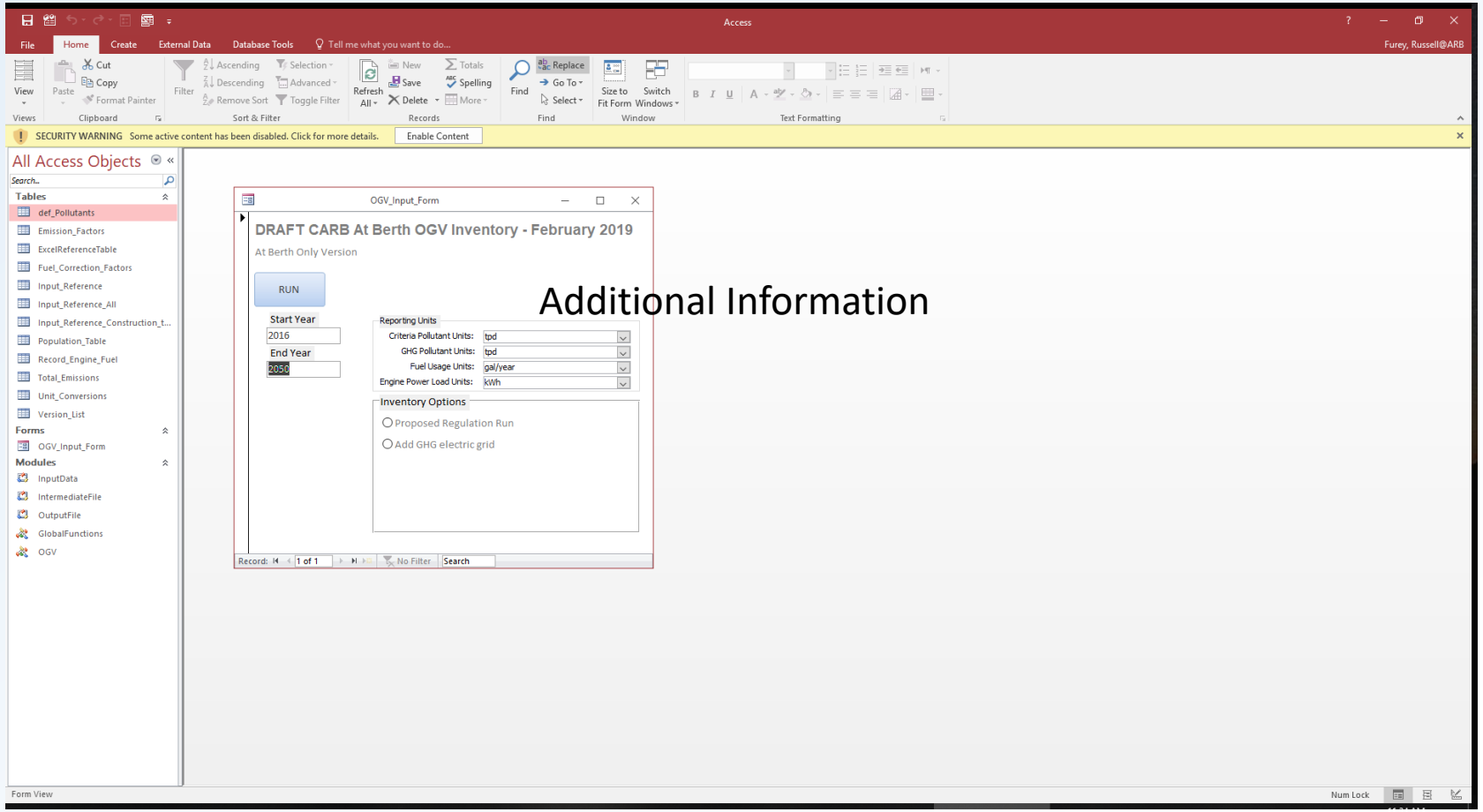


14.B Deselect “Offset” emissions from “Fuel type” field

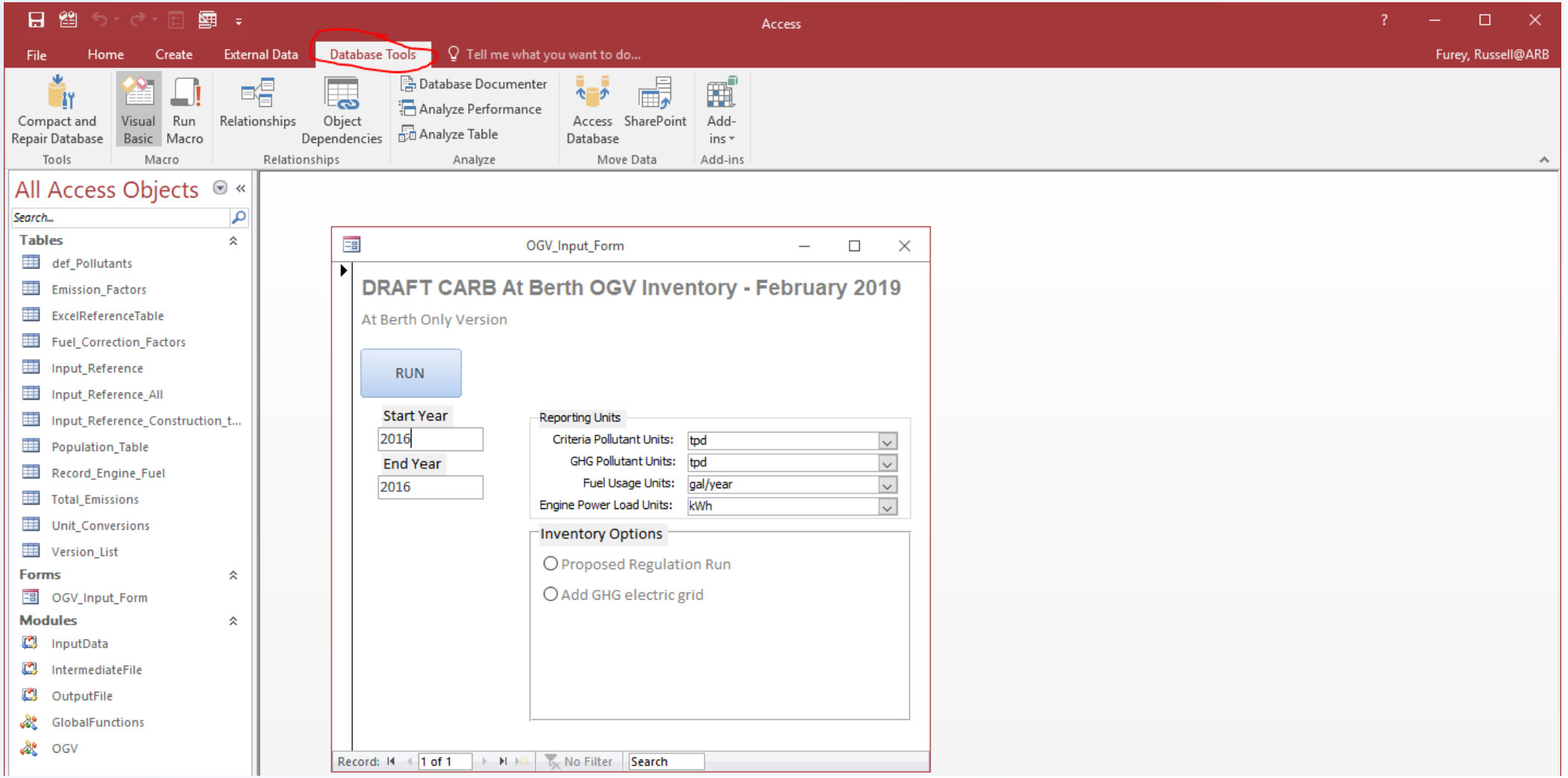


Additional Information

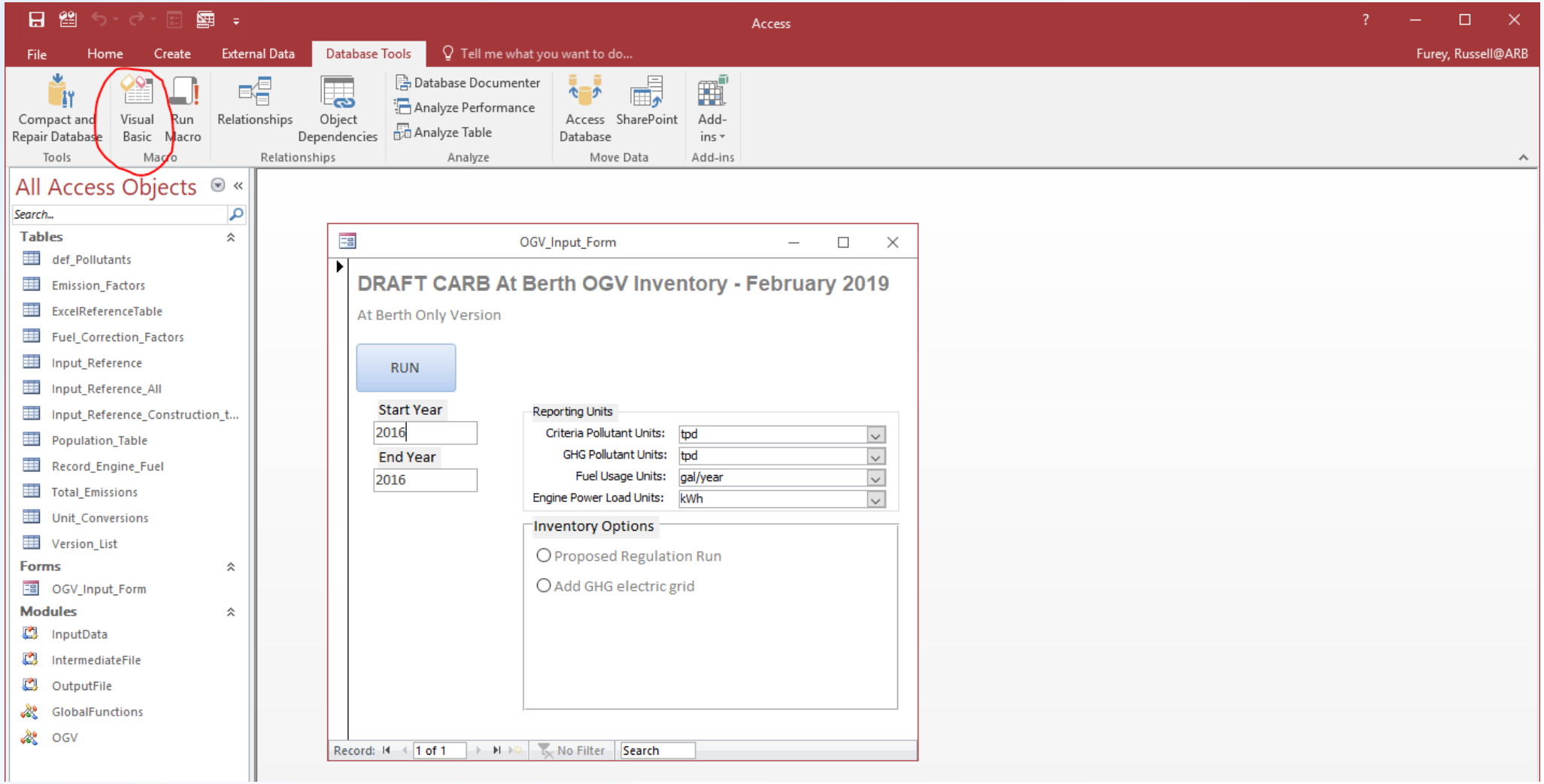
Model code: VBA in Draft Access Database



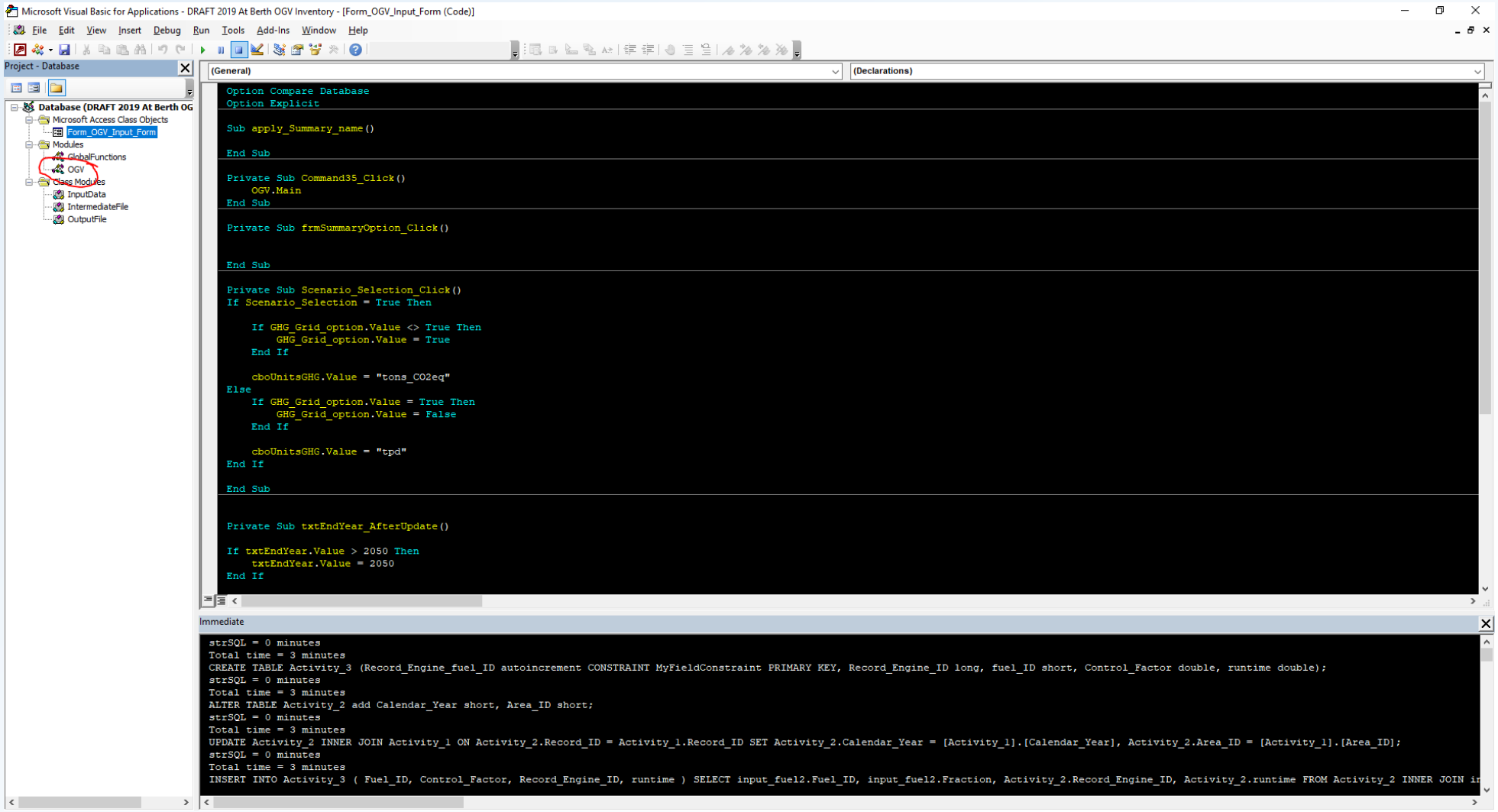
Model Code: Go to database tools



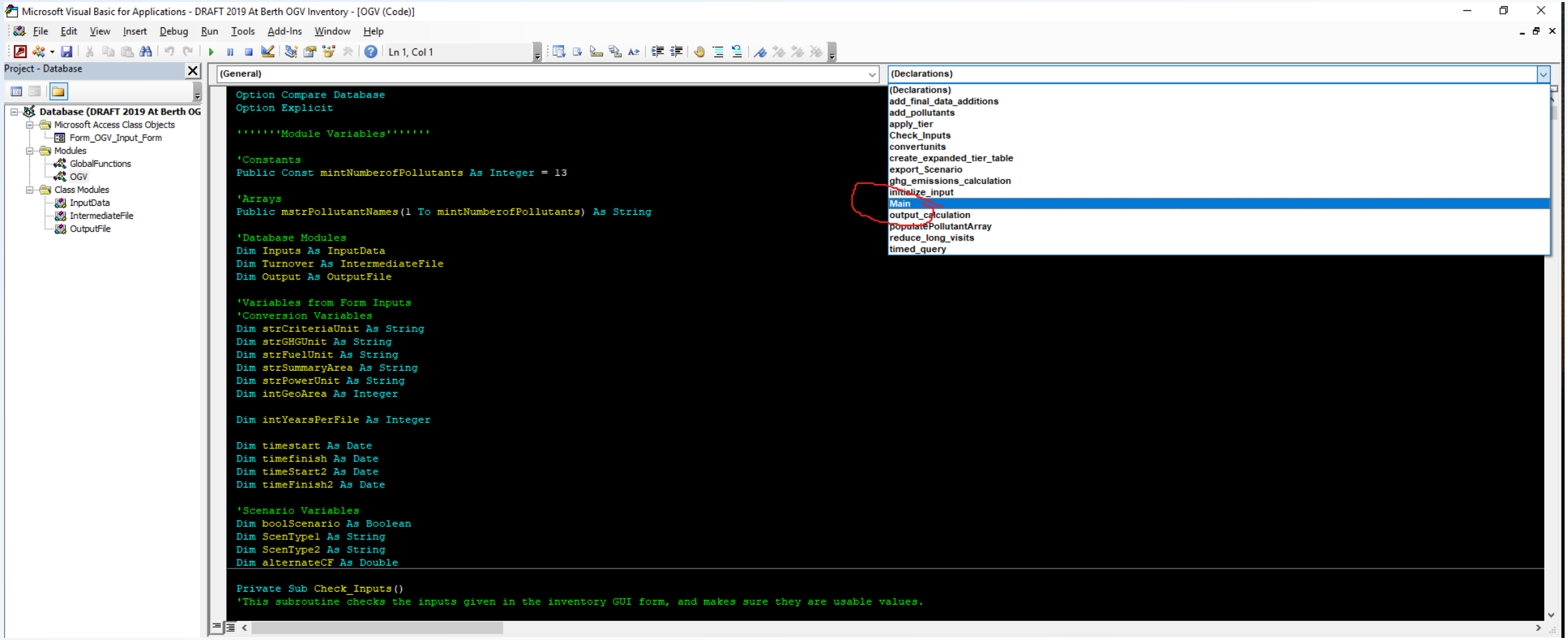
Model Code: Select Visual Basic under macro section



Model Code: Select OGV module

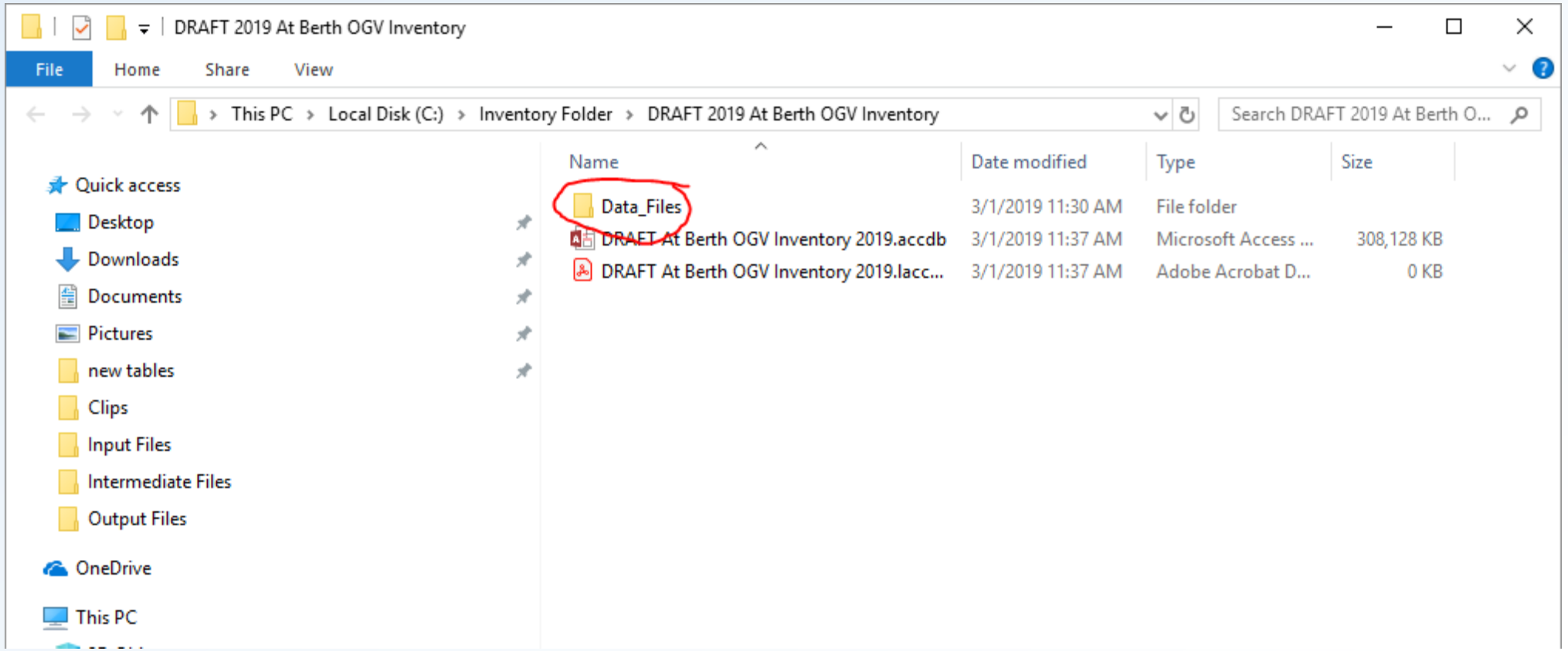


Model Code: Select Main function

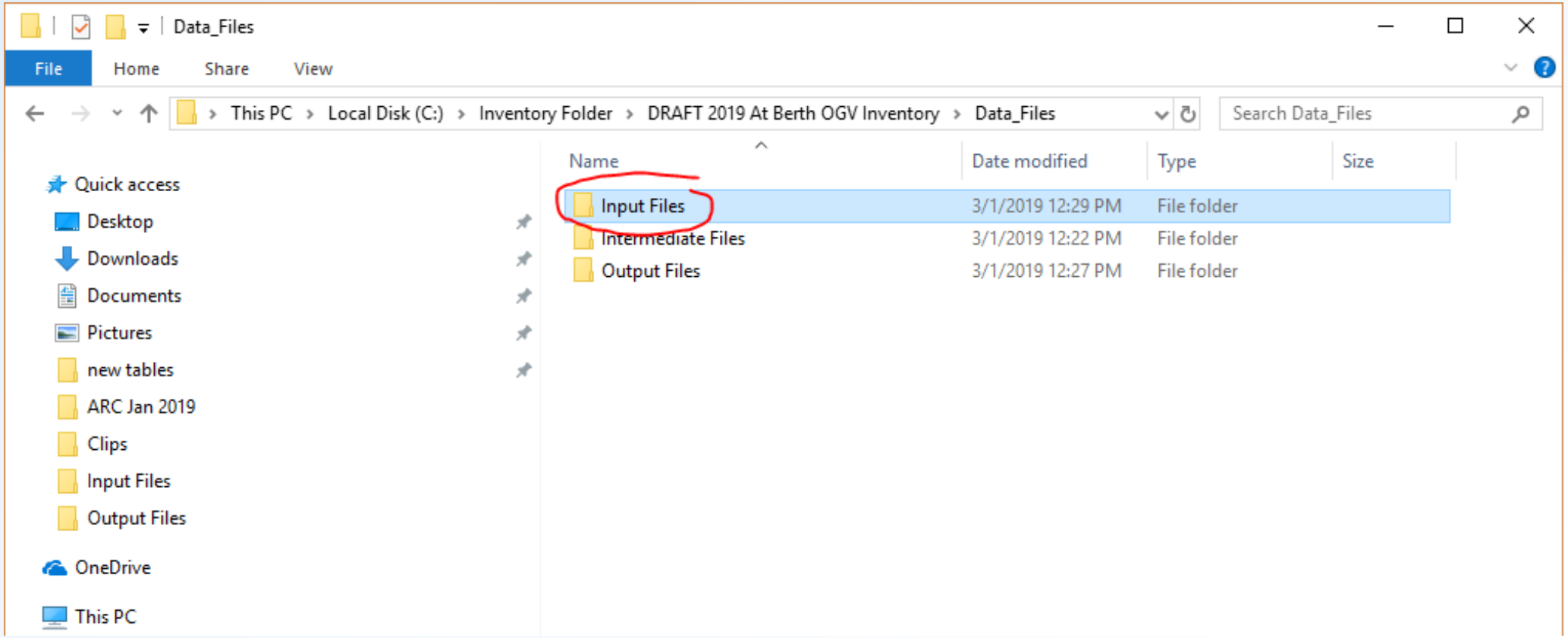


Input Data

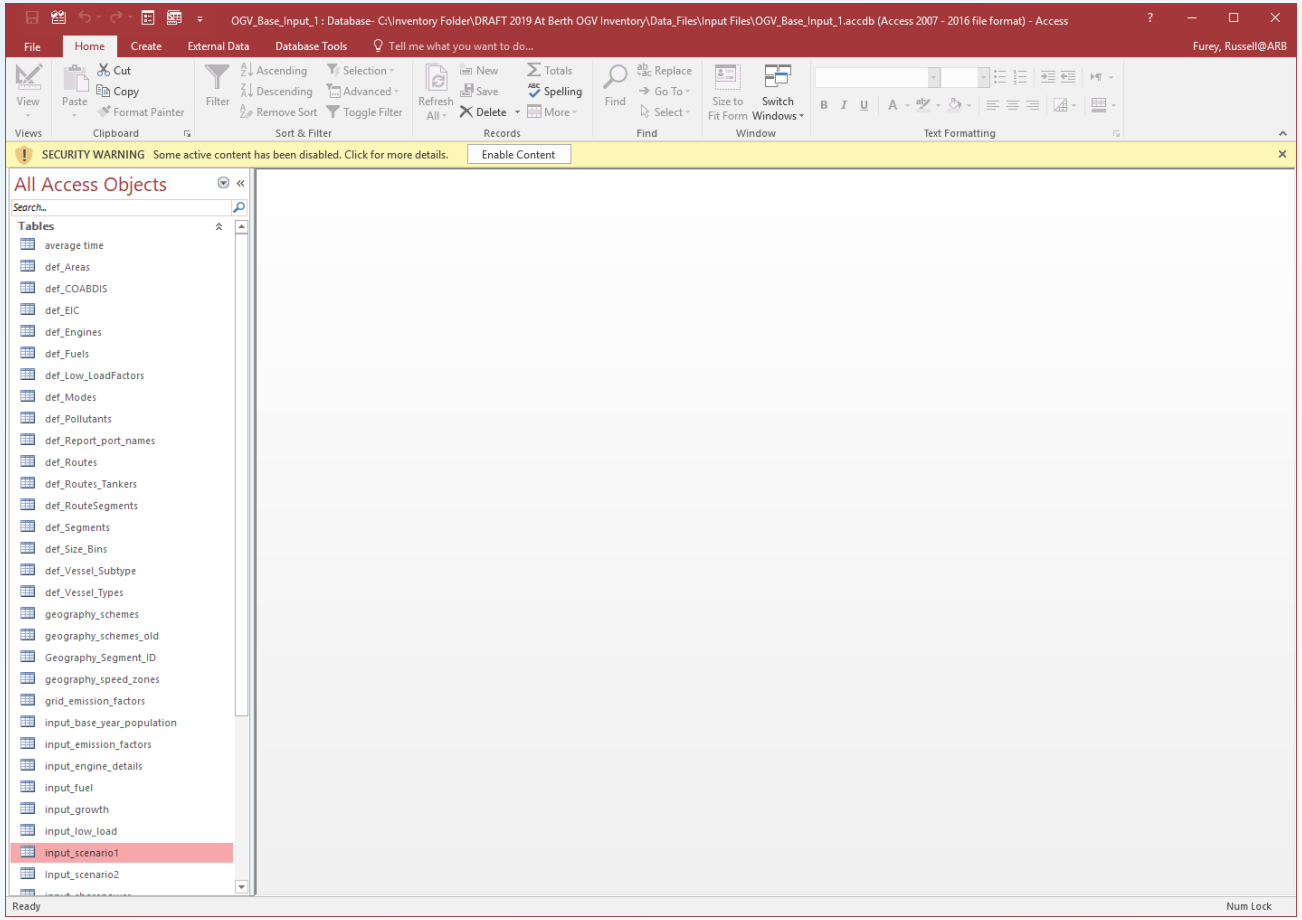
Input Data: Open data_files folder



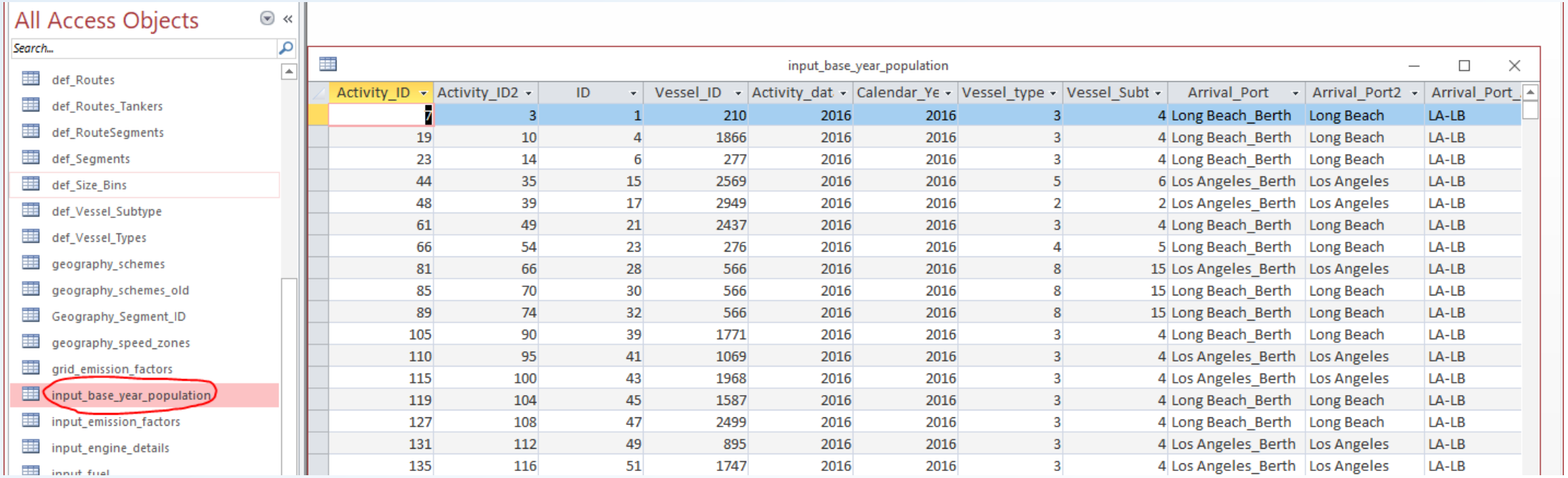
Input Data: open input files



Input Data: Database



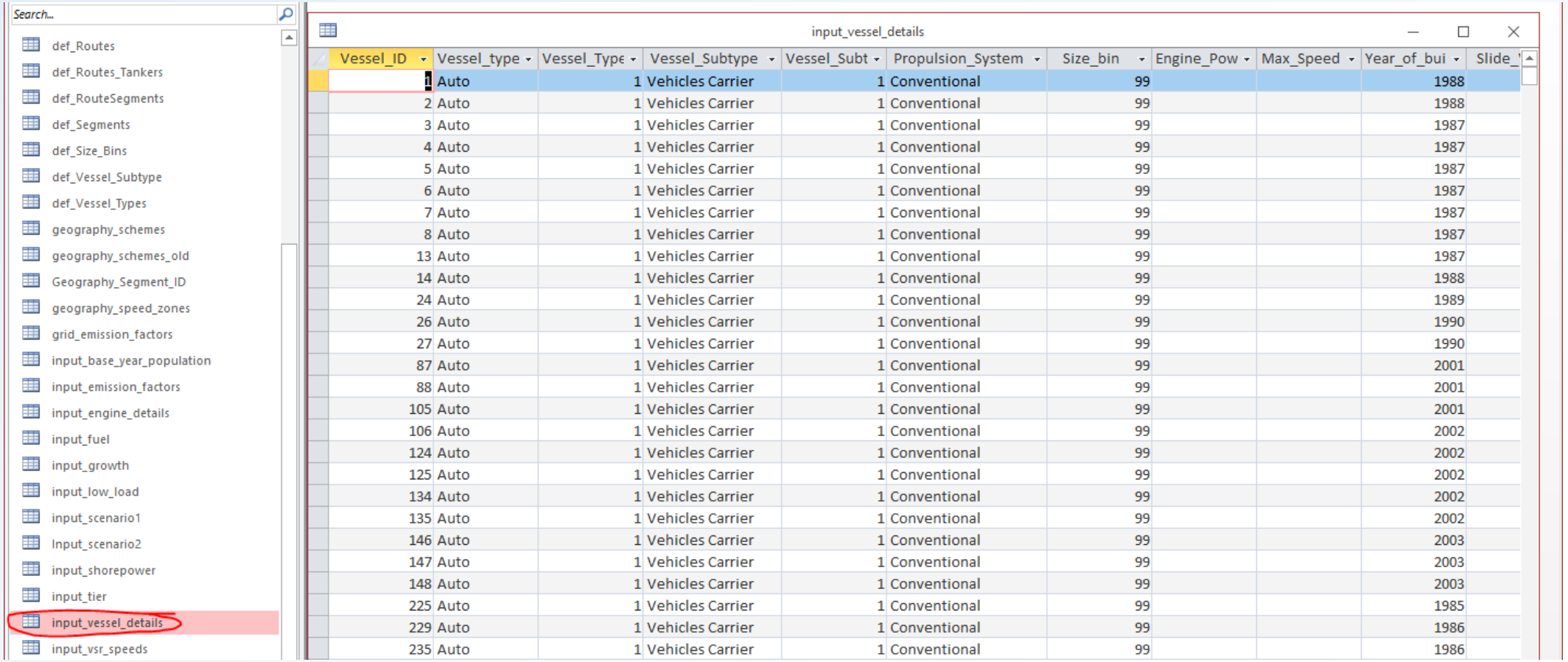
Input Data: Notable table – population table



Activity_ID	Activity_ID2	ID	Vessel_ID	Activity_dat	Calendar_Ye	Vessel_type	Vessel_Subt	Arrival_Port	Arrival_Port2	Arrival_Port_
7	3	1	210	2016	2016	3	4	Long Beach_Berth	Long Beach	LA-LB
19	10	4	1866	2016	2016	3	4	Long Beach_Berth	Long Beach	LA-LB
23	14	6	277	2016	2016	3	4	Long Beach_Berth	Long Beach	LA-LB
44	35	15	2569	2016	2016	5	6	Los Angeles_Berth	Los Angeles	LA-LB
48	39	17	2949	2016	2016	2	2	Los Angeles_Berth	Los Angeles	LA-LB
61	49	21	2437	2016	2016	3	4	Long Beach_Berth	Long Beach	LA-LB
66	54	23	276	2016	2016	4	5	Long Beach_Berth	Long Beach	LA-LB
81	66	28	566	2016	2016	8	15	Los Angeles_Berth	Los Angeles	LA-LB
85	70	30	566	2016	2016	8	15	Long Beach_Berth	Long Beach	LA-LB
89	74	32	566	2016	2016	8	15	Long Beach_Berth	Long Beach	LA-LB
105	90	39	1771	2016	2016	3	4	Long Beach_Berth	Long Beach	LA-LB
110	95	41	1069	2016	2016	3	4	Los Angeles_Berth	Los Angeles	LA-LB
115	100	43	1968	2016	2016	3	4	Los Angeles_Berth	Los Angeles	LA-LB
119	104	45	1587	2016	2016	3	4	Long Beach_Berth	Long Beach	LA-LB
127	108	47	2499	2016	2016	3	4	Long Beach_Berth	Long Beach	LA-LB
131	112	49	895	2016	2016	3	4	Los Angeles_Berth	Los Angeles	LA-LB
135	116	51	1747	2016	2016	3	4	Los Angeles_Berth	Los Angeles	LA-LB

Input_base_year_population table – contains the records of the vessel visits

Input Data: Notable table – Vessel details



Vessel_ID	Vessel_type	Vessel_Type	Vessel_Subtype	Vessel_Subt	Propulsion_System	Size_bin	Engine_Pow	Max_Speed	Year_of_bui	Slide_
1	Auto	1	Vehicles Carrier	1	Conventional	99			1988	
2	Auto	1	Vehicles Carrier	1	Conventional	99			1988	
3	Auto	1	Vehicles Carrier	1	Conventional	99			1987	
4	Auto	1	Vehicles Carrier	1	Conventional	99			1987	
5	Auto	1	Vehicles Carrier	1	Conventional	99			1987	
6	Auto	1	Vehicles Carrier	1	Conventional	99			1987	
7	Auto	1	Vehicles Carrier	1	Conventional	99			1987	
8	Auto	1	Vehicles Carrier	1	Conventional	99			1987	
13	Auto	1	Vehicles Carrier	1	Conventional	99			1987	
14	Auto	1	Vehicles Carrier	1	Conventional	99			1988	
24	Auto	1	Vehicles Carrier	1	Conventional	99			1989	
26	Auto	1	Vehicles Carrier	1	Conventional	99			1990	
27	Auto	1	Vehicles Carrier	1	Conventional	99			1990	
87	Auto	1	Vehicles Carrier	1	Conventional	99			2001	
88	Auto	1	Vehicles Carrier	1	Conventional	99			2001	
105	Auto	1	Vehicles Carrier	1	Conventional	99			2001	
106	Auto	1	Vehicles Carrier	1	Conventional	99			2002	
124	Auto	1	Vehicles Carrier	1	Conventional	99			2002	
125	Auto	1	Vehicles Carrier	1	Conventional	99			2002	
134	Auto	1	Vehicles Carrier	1	Conventional	99			2002	
135	Auto	1	Vehicles Carrier	1	Conventional	99			2002	
146	Auto	1	Vehicles Carrier	1	Conventional	99			2003	
147	Auto	1	Vehicles Carrier	1	Conventional	99			2003	
148	Auto	1	Vehicles Carrier	1	Conventional	99			2003	
225	Auto	1	Vehicles Carrier	1	Conventional	99			1985	
229	Auto	1	Vehicles Carrier	1	Conventional	99			1986	
235	Auto	1	Vehicles Carrier	1	Conventional	99			1986	

Input_vessel_details – contains the individual vessel characteristics that are used in the inventory

Input Data