

APPENDIX F

Human Health Receptor Locations Considered in the HHRA

1.0 INHALATION RECEPTORS CONSIDERED IN THE HHRA

In total 309 receptor locations were selected for assessment within the HHERA. These included schools, daycares, residential development areas, commercial locations, and various terrestrial and aquatic habitat areas. The 309 receptors were subdivided into groups according to similar land use. Table 1-1 provides a breakdown of the receptor groupings used for the inhalation assessment. Table 1-2 provides a list of individual receptors within each grouping.

Table 1-1 Receptor Groupings Considered in the Inhalation Assessment

Group Name	Number of Individual Receptors within Group
Schools (Primary and Secondary)	68
Daycares	42
Farms	17
Commercial/Future Development	44
Park Recreational	46
Hospitals	5
Retirement Homes	13
Courtice Subdivision	10
Courtice Road Subdivision	8
Bowmanville Subdivision	10
Maple Grove Subdivision	10
Oshawa Subdivision	10
Port Darlington Subdivision	11
Solina Road Subdivision	11
Tooley Creek Area Residents	4

Table 1-2 Receptors Included in the Human Health Inhalation Assessment

SSRA_ID	Name	UTM Easting	UTM Northing	Grouping
1	Campground 10	678526.81899800000	4859996.76066000000	Recreational Parkland
2	ECO 2	675490.37381000000	4860360.08278000000	Recreational Parkland
3	Recreational 5	681641.96255800000	4860349.25725000000	Recreational Parkland
4	ECO 4	676831.48614400000	4859840.86041000000	Recreational Parkland
5	Bow. Valley Cons. 3	685767.24263800000	4863879.00229000000	Recreational Parkland
6	ECO 6	679647.81984200000	4859989.33124000000	Recreational Parkland
7	ECO 7	681578.79426800000	4862070.07833000000	Recreational Parkland
8	ECO 8	679735.50728000000	4861048.55808000000	Recreational Parkland
9	ECO 9	687219.72303300000	4864249.31138000000	Recreational Parkland
10	ECO 10	686518.95506200000	4861987.58134000000	Recreational Parkland
11	ECO 11	679870.39612200000	4859737.85948000000	Recreational Parkland
12	Recreational 4	681575.50945800000	4860557.70179000000	Recreational Parkland
13	Future Industrial 9	680704.53914800000	4859857.76579000000	Commercial/Industrial
14	Future Industrial 10	680608.04933400000	4860719.64832000000	Commercial/Industrial
15	Harmony Creek	673992.35837500000	4865641.42958000000	Recreational Parkland
16	Farewell Creek	678079.20224200000	4868822.66652000000	Recreational Parkland
17	Farm A	681378.57595200000	4860334.95442000000	Farm
18	Farm B	682883.40160800000	4864219.68389000000	Farm
19	Farm C	678929.18651000000	4865530.20071000000	Farm
20	Zoo	687216.79308600000	4864835.27959000000	Commercial/Industrial
21	Cedar Crest Beach	686652.08021100000	4861660.94117000000	Recreational Parkland
22	Darlington Prov Park Beach	677844.56574600000	4859718.17780000000	Recreational Parkland
23	OPG 1	682258.05529800000	4860045.03578000000	Recreational Parkland
24	OPG 2	682551.37406100000	4859889.14402000000	Commercial/Industrial
25	OPG 3	682824.55749400000	4859759.26322000000	Commercial/Industrial
26	OPG 4	683021.58091100000	4859937.28737000000	Commercial/Industrial
27	OPG 5	683318.23245100000	4859677.77676000000	Commercial/Industrial
28	OPG 6	683306.91517300000	4860022.96645000000	Commercial/Industrial
29	OPG 7	683718.64361000000	4859915.78267000000	Commercial/Industrial
30	OPG 8	682702.04095600000	4859998.57479000000	Commercial/Industrial
31	OPG 9	684347.71353900000	4861184.63522000000	Commercial/Industrial
32	OPG 10	682157.23509000000	4861228.20490000000	Commercial/Industrial
33	St. Mary's 1	684557.03499100000	4861070.03483000000	Commercial/Industrial
34	St. Mary's 2	684657.25999400000	4861320.76009000000	Commercial/Industrial

SSRA_ID	Name	UTM Easting	UTM Northing	Grouping
35	St. Mary's 3	684905.32058800000	4861154.44976000000	Commercial/Industrial
36	Court. Subdivision 1	677328.41276800000	4862976.14258000000	Courtice Subdivision
37	Court. Subdivision 2	676187.92808800000	4862611.07352000000	Courtice Subdivision
38	Court. Subdivision 3	675974.77035000000	4863484.09640000000	Courtice Subdivision
39	Court. Subdivision 4	676606.11508700000	4863214.05559000000	Courtice Subdivision
40	Court. Subdivision 5	676827.10967900000	4863591.36374000000	Courtice Subdivision
41	Court. Subdivision 6	677200.37394300000	4864074.94323000000	Courtice Subdivision
42	Court. Subdivision 7	677719.79592100000	4863625.10628000000	Courtice Subdivision
43	Court. Subdivision 8	678271.55362100000	4864200.60342000000	Courtice Subdivision
44	Court. Subdivision 9	678184.40001800000	4863373.59356000000	Courtice Subdivision
45	Court. Subdivision 10	677179.73358600000	4862499.48037000000	Courtice Subdivision
46	Bow. Subdivision 1	683536.68464500000	4864215.19533000000	Bowmanville Subdivision
47	Bow. Subdivision 2	683770.01568800000	4863915.05618000000	Bowmanville Subdivision
48	Bow. Subdivision 3	683670.95754600000	4863534.07721000000	Bowmanville Subdivision
49	Bow. Subdivision 4	684501.88921200000	4863847.38100000000	Bowmanville Subdivision
50	Bow. Subdivision 5	684242.90570000000	4863518.75671000000	Bowmanville Subdivision
51	Bow. Subdivision 6	684271.36572900000	4863201.52023000000	Bowmanville Subdivision
52	Bow. Subdivision 7	683992.56311800000	4862628.12598000000	Bowmanville Subdivision
53	Bow. Subdivision 8	684608.16095500000	4862956.77216000000	Bowmanville Subdivision
54	Bow. Subdivision 9	684777.26163800000	4863330.45534000000	Bowmanville Subdivision
55	Bow. Subdivision 10	685265.96333800000	4863243.12170000000	Bowmanville Subdivision
56	Osh/Court Subdivision 1	677396.80396300000	4860977.30095000000	Oshawa Subdivision
57	Osh/Court Subdivision 2	676633.53459100000	4860816.77510000000	Oshawa Subdivision
58	Osh/Court Subdivision 3	676915.96993600000	4861924.96900000000	Oshawa Subdivision
59	Osh/Court Subdivision 4	676730.53355000000	4861317.05115000000	Oshawa Subdivision
60	Osh/Court Subdivision 5	676087.20834200000	4861392.26419000000	Oshawa Subdivision
61	Osh/Court Subdivision 6	676177.14694700000	4861722.22656000000	Oshawa Subdivision
62	Osh/Court Subdivision 7	675670.67564900000	4861783.20547000000	Oshawa Subdivision
63	Osh/Court Subdivision 8	676050.84804600000	4862055.71192000000	Oshawa Subdivision
64	Osh/Court Subdivision 9	676636.87393300000	4862134.27118000000	Oshawa Subdivision
65	Osh/Court Subdivision 10	676571.34716100000	4861634.83286000000	Oshawa Subdivision
66	Bow. Subdivision 11	684649.20527800000	4863182.69560000000	Daycare
67	Daycare B	685172.35080700000	4863933.07147000000	Daycare
68	Daycare C	685452.02503600000	4863104.43593000000	Daycare
69	Daycare D	685527.68564500000	4864693.31026000000	Daycare
70	Daycare E	685735.44695400000	4864790.83207000000	Daycare

SSRA_ID	Name	UTM Easting	UTM Northing	Grouping
71	Daycare F	685520.27912800000	4864854.28011000000	Daycare
72	Daycare G	685441.93745400000	4864878.02470000000	Daycare
73	Daycare H	686364.79064200000	4864707.83505000000	Daycare
74	Daycare I	685721.55554300000	4865127.30994000000	Daycare
75	Daycare J	678256.26223800000	4863565.40496000000	Daycare
76	Daycare K	677694.06882800000	4864043.69561000000	Daycare
77	Daycare L	676479.53153000000	4862526.20172000000	Daycare
78	Daycare M	678320.92021700000	4864763.54573000000	Daycare
79	Daycare N	678513.41819100000	4865058.02522000000	Daycare
80	Daycare O	672788.70762200000	4863936.59381000000	Daycare
81	Daycare P	673952.83375000000	4863592.53221000000	Daycare
82	Daycare Q	671751.83175500000	4864887.72038000000	Daycare
83	Daycare R	685714.35250000000	4864667.35107000000	Daycare
84	Daycare S	684177.85593200000	4863618.22453000000	Daycare
85	Daycare T	678423.62082600000	4864480.40697000000	Daycare
86	Daycare U	685330.47991200000	4863435.12467000000	Daycare
87	Daycare V	685153.16568900000	4863236.88426000000	Daycare
88	Daycare W	672679.02576300000	4862044.90205000000	Daycare
89	Daycare X	672076.47952500000	4865285.76166000000	Daycare
90	Daycare Y	672638.00390100000	4859664.43157000000	Daycare
91	Daycare Z	673735.94019800000	4858957.97213000000	Daycare
92	Daycare AA	673121.82392000000	4863385.85386000000	Daycare
93	Daycare BB	673904.81549200000	4862282.22774000000	Daycare
94	Daycare CC	671471.56813500000	4861795.31428000000	Daycare
95	Daycare DD	673057.27902600000	4862625.60753000000	Daycare
96	Daycare EE	674917.13359900000	4863957.20200000000	Daycare
97	Daycare FF	671356.55917800000	4862954.40422000000	Daycare
98	Daycare GG	671675.52380600000	4862705.78758000000	Daycare
99	Daycare HH	671604.83717100000	4860138.09990000000	Daycare
100	Daycare II	670945.18078300000	4857983.76099000000	Daycare
101	Daycare JJ	677514.60043000000	4864744.06691000000	Daycare
102	Daycare KK	676519.86577600000	4862680.10289000000	Daycare
103	Daycare LL	677660.60823500000	4863601.29061000000	Daycare
104	Court. Subdivision 11	677665.82354100000	4863406.61098000000	Daycare
105	Daycare NN	674866.26449100000	4864667.19785000000	Daycare
106	Daycare OO	673201.02023500000	4864746.35962000000	Daycare

SSRA_ID	Name	UTM Easting	UTM Northing	Grouping
107	Daycare PP	674794.54955300000	4864915.38626000000	Daycare
108	Hospital	686324.22951200000	4864395.76310000000	Hospitals
109	Hospital (Children's)	676057.79589400000	4862180.93682000000	Hospitals
110	Hospital	671233.21920100000	4863615.91583000000	Hospitals
111	Comm. Resp. Services	676045.36592300000	4863902.46419000000	Hospitals
112	Hospital	671712.72113200000	4862364.05859000000	Hospitals
113	Retirement Residence A	684199.85295800000	4864120.26878000000	Retirement Residence
114	Retirement Residence B	685483.85425500000	4865150.91364000000	Retirement Residence
115	Retirement Residence C	686844.02729900000	4864732.13130000000	Retirement Residence
116	Retirement Residence D	673481.65923300000	4863343.38900000000	Retirement Residence
117	Retirement Residence E	671825.19975100000	4864399.04534000000	Retirement Residence
118	Retirement Residence F	671606.27816500000	4864536.00950000000	Retirement Residence
119	Retirement Residence G	671357.11685100000	4862958.74086000000	Retirement Residence
120	Retirement Residence H	671513.95941400000	4862262.90175000000	Retirement Residence
121	Retirement Residence I	672602.18543300000	4863075.92514000000	Retirement Residence
122	Retirement Residence J	671719.11926600000	4862893.08107000000	Retirement Residence
123	Retirement Residence K	686717.98110200000	4865648.72030000000	Retirement Residence
124	Retirement Residence L	676168.70492200000	4865669.90210000000	Retirement Residence
125	Retirement Residence M	676118.51281600000	4863980.66612000000	Retirement Residence
126	Bow. Subdivision 12	684649.20527800000	4863182.69560000000	School
127	Primary School B	685384.83255400000	4863575.28026000000	School
128	Primary School C	685021.55514800000	4863952.94608000000	School
129	Primary School D	686236.95644400000	4864085.46736000000	School
130	Primary School E	686718.98577100000	4863734.67337000000	School
131	Primary School F	686356.99548000000	4864754.85784000000	School
132	Primary School G	685501.98727700000	4865013.40153000000	School
133	Primary School H	686726.66086600000	4866061.48462000000	School
134	Primary School I	685186.22661800000	4866568.17448000000	School
135	Primary School J	685965.32742100000	4866979.04719000000	School
136	Primary School K	677709.91961000000	4864726.45255000000	School
137	Primary School L	675988.28335400000	4864270.20558000000	School
138	Primary School M	676608.71839500000	4862738.96796000000	School
139	Primary School N	677222.20886300000	4863759.06208000000	School
140	Primary School O	678154.91903600000	4863872.66507000000	School
141	Court. Subdivision 12	678309.55639200000	4863600.80002000000	School
142	Primary School Q	677010.59916300000	4862470.57448000000	School

SSRA_ID	Name	UTM Easting	UTM Northing	Grouping
143	Primary School R	677431.34594300000	4866694.66669000000	School
144	Primary School S	675266.16731000000	4863562.89394000000	School
145	Primary School T	673479.21050200000	4860029.36043000000	School
146	Primary School U	670856.01626500000	4860710.61769000000	School
147	Primary School V	672660.18546500000	4863909.16473000000	School
148	Primary School W	672735.21909200000	4859232.88248000000	School
149	Primary School X	673575.80862700000	4862688.55289000000	School
150	Primary School Y	673710.29163600000	4861969.01297000000	School
151	Primary School Z	672366.04295000000	4859928.12351000000	School
152	Primary School AA	672561.66637400000	4866047.05852000000	School
153	Primary School BB	675095.13186500000	4862930.39831000000	School
154	Primary School CC	673242.55915900000	4865197.89159000000	School
155	Primary School DD	674164.90009400000	4863031.25543000000	School
156	Primary School EE	671905.61170700000	4864697.82217000000	School
157	Primary School FF	673294.87057800000	4858774.48402000000	School
158	Primary School GG	671659.66911900000	4863120.00354000000	School
159	Primary School HH	673853.38824900000	4866710.95835000000	School
160	Primary School II	672616.69842900000	4862114.90635000000	School
161	Primary School JJ	673567.20453900000	4861899.50768000000	School
162	Primary School KK	671790.97906800000	4861954.23704000000	School
163	Primary School LL	673762.30218400000	4864210.56888000000	School
164	Primary School MM	672238.79827100000	4864621.25992000000	School
165	Primary School NN	673213.64593900000	4858676.96671000000	School
166	Primary School OO	675474.75865600000	4863221.69349000000	School
167	Primary School PP	672441.78567100000	4858748.57537000000	School
168	Primary School QQ	672796.83943000000	4864438.19127000000	School
169	Primary School RR	671351.39259000000	4863283.99518000000	School
170	Primary School SS	673213.88578500000	4862125.53066000000	School
171	Primary School TT	671017.90396100000	4860953.74273000000	School
172	Primary School UU	670990.95155000000	4861089.81512000000	School
173	Primary School VV	674150.07628700000	4862294.83596000000	School
174	Primary School WW	672005.23048200000	4861707.86277000000	School
175	Primary School XX	684172.12448200000	4863615.59524000000	School
176	Primary School YY	683923.30630200000	4866636.43293000000	School
177	Primary School ZZ	680446.01562100000	4865770.47174000000	School
178	Vacant School	685612.89558600000	4864520.00608000000	School

SSRA_ID	Name	UTM Easting	UTM Northing	Grouping
179	Secondary School A	686291.38035400000	4865064.25444000000	School
180	Secondary School B	683875.00331600000	4864741.74823000000	School
181	Secondary School C	684650.32164900000	4866460.27886000000	School
182	Secondary School D	678099.51599900000	4864838.17734000000	School
183	Secondary School E	678467.03465000000	4863431.21036000000	School
184	Secondary School F	674144.93725800000	4862762.74701000000	School
185	Secondary School G	673816.04669000000	4864357.08425000000	School
186	Secondary School H	673145.42476400000	4858568.98386000000	School
187	Secondary School I	671291.70214800000	4863581.30467000000	School
188	Secondary School J	671443.23226500000	4861664.91539000000	School
189	Secondary School K	673235.32780900000	4860884.97753000000	School
190	Secondary Schook L	684252.65919800000	4866500.46389000000	School
191	Secondary School M	673914.05746300000	4859551.70049000000	School
192	Secondary School N	675051.50306400000	4864177.17505000000	School
193	Adult School	685276.09086300000	4866019.84356000000	School
194	Bow. Valley Cons. 1	685356.60376300000	4864521.17258000000	Recreational Parkland
195	Bow. Valley Cons. 2	685627.66670500000	4864167.80604000000	Recreational Parkland
196	Bow. Valley Cons. 4	685852.73910900000	4863640.24953000000	Recreational Parkland
197	Bow. Valley Cons. 5	686163.14178700000	4863621.47521000000	Recreational Parkland
198	Bow. Valley Cons. 6	685931.90488600000	4863380.63263000000	Recreational Parkland
199	Maple Grove 1	681688.47615200000	4864716.97065000000	Maple Grove Subdivision
200	Maple Grove 2	681768.93313100000	4864631.79755000000	Maple Grove Subdivision
201	Maple Grove 3	681894.90352200000	4864506.80897000000	Maple Grove Subdivision
202	Maple Grove 4	681974.77284000000	4864443.23509000000	Maple Grove Subdivision
203	Maple Grove 5	681942.24985200000	4864676.69039000000	Maple Grove Subdivision
204	Maple Grove 6	682053.21383800000	4864586.18264000000	Maple Grove Subdivision
205	Maple Grove 7	682168.48883000000	4864631.34038000000	Maple Grove Subdivision
206	Maple Grove 8	682261.70157500000	4864520.89631000000	Maple Grove Subdivision
207	Maple Grove 9	682382.13908700000	4864589.35669000000	Maple Grove Subdivision
208	Maple Grove 10	682459.84311300000	4864499.17549000000	Maple Grove Subdivision
209	Port Darlington 1	686227.78556800000	4861159.00489000000	Port Darlington Subdivision
210	Port Darlington 2	686184.75350100000	4861251.97188000000	Port Darlington Subdivision
211	Port Darlington 3	686151.16854200000	4861286.84690000000	Port Darlington Subdivision
212	Port Darlington 4	686351.07888300000	4861341.55138000000	Port Darlington Subdivision
213	Port Darlington 5	686406.80501700000	4861448.71534000000	Port Darlington Subdivision
214	Port Darlington 6	686504.50203600000	4861603.99225000000	Port Darlington Subdivision

SSRA_ID	Name	UTM Easting	UTM Northing	Grouping
215	Port Darlington 7	686702.95985500000	4861789.27691000000	Port Darlington Subdivision
216	Port Darlington 8	686895.78162200000	4861960.20600000000	Port Darlington Subdivision
217	Port Darlington 9	686867.39644400000	4862119.65844000000	Port Darlington Subdivision
218	Port Darlington 10	687190.73478400000	4862048.80103000000	Port Darlington Subdivision
219	Port Darlington 11	687524.39045800000	4862126.77002000000	Port Darlington Subdivision
220	Campground 1	678646.29538000000	4860337.74435000000	Recreational Parkland
221	Campground 2	678410.16768200000	4860148.61595000000	Recreational Parkland
222	Campground 3	678651.01547000000	4860054.44100000000	Recreational Parkland
223	Campground 4	678725.91656200000	4859860.71086000000	Recreational Parkland
224	Campground 5	678511.10543100000	4859808.61988000000	Recreational Parkland
225	Campground 6	678869.50674100000	4859696.00124000000	Recreational Parkland
226	Campground 7	678723.88122600000	4860201.82237000000	Recreational Parkland
227	Campground 8	678796.01347500000	4860011.41463000000	Recreational Parkland
228	Campground 9	678852.73561300000	4859854.24592000000	Recreational Parkland
229	Solina 1	681099.61240200000	4861677.21325000000	Solina Road Subdivision
230	Solina 2	681115.67791400000	4861857.65588000000	Solina Road Subdivision
231	Solina 3	680987.42049000000	4861983.52453000000	Solina Road Subdivision
232	Solina 4	680965.01643400000	4862068.12976000000	Solina Road Subdivision
233	Solina 5	681021.45051900000	4862086.65073000000	Solina Road Subdivision
234	Solina 6	680939.81697300000	4862124.25337000000	Solina Road Subdivision
235	Solina 7	680988.21444900000	4862183.61932000000	Solina Road Subdivision
236	Solina 8	680984.59849500000	4862209.76484000000	Solina Road Subdivision
237	Solina 9	680958.60827600000	4862294.88977000000	Solina Road Subdivision
238	Solina 10	680857.99981500000	4862324.25687000000	Solina Road Subdivision
239	Solina 11	680990.25409100000	4862403.50849000000	Solina Road Subdivision
240	Recreational 1	681544.99340000000	4860865.00516000000	Recreational Parkland
241	Recreational 2	681563.69911900000	4860687.36483000000	Recreational Parkland
242	Recreational 3	681579.66260800000	4860609.99508000000	Recreational Parkland
243	Recreational 6	681876.62332100000	4860254.41009000000	Recreational Parkland
244	Recreational 7	682166.85102800000	4860324.42772000000	Recreational Parkland
245	Darlington 1	679565.44140700000	4861052.90854000000	Courtice Road Subdivision
246	Darlington 2	679452.92784600000	4861051.40919000000	Courtice Road Subdivision
247	Darlington 3	679130.54059000000	4860948.84049000000	Courtice Road Subdivision
248	Darlington 4	679112.63934900000	4860941.87365000000	Courtice Road Subdivision
249	Darlington 5	679057.63227100000	4860994.11182000000	Courtice Road Subdivision
250	Darlington 6	679075.17473900000	4860931.60026000000	Courtice Road Subdivision

SSRA_ID	Name	UTM Easting	UTM Northing	Grouping
251	Darlington 7	678814.26101100000	4860843.05630000000	Courtice Road Subdivision
252	Darlington 8	678840.38152900000	4860777.07037000000	Courtice Road Subdivision
253	Light Ind. 1	680000.08980800000	4861034.11579000000	Commercial/Industrial
254	Light Ind. 2	680060.67471200000	4861056.44552000000	Commercial/Industrial
255	Light Ind. 3	680291.23877100000	4861151.62536000000	Commercial/Industrial
256	Light Ind. 4	680536.34393100000	4861204.60118000000	Commercial/Industrial
257	Light Ind. 5	680350.43777100000	4861290.62872000000	Commercial/Industrial
258	Light Ind. 6	680306.85418000000	4861275.55060000000	Commercial/Industrial
259	Light Ind. 7	680267.23686100000	4861262.43302000000	Commercial/Industrial
260	Light Ind. 8	680233.61099900000	4861250.71341000000	Commercial/Industrial
261	Light Ind. 9	680175.28507100000	4861227.51704000000	Commercial/Industrial
262	Light Ind. 10	680092.46784100000	4861185.13144000000	Commercial/Industrial
263	Light Ind. 11	680071.59395600000	4861246.62419000000	Commercial/Industrial
264	Light Ind. 12	680021.40428300000	4861186.90850000000	Commercial/Industrial
265	Future Industrial 7	680816.20416900000	4860219.26836000000	Commercial/Industrial
266	Future Industrial 8	680398.00574700000	4860731.84418000000	Commercial/Industrial
267	Future Industrial 1	680359.58833500000	4859959.22842000000	Commercial/Industrial
268	Future Industrial 2	680083.69035000000	4859985.70195000000	Commercial/Industrial
269	Future Industrial 3	680819.93826700000	4860705.34805000000	Commercial/Industrial
270	Future Industrial 4	681070.03281200000	4859937.19287000000	Commercial/Industrial
271	Future Industrial 5	679898.76782500000	4860067.44768000000	Commercial/Industrial
272	Future Industrial 6	680134.82447300000	4860694.13033000000	Commercial/Industrial
273	Future Industrial 11	680253.71973700000	4860255.22506000000	Commercial/Industrial
274	Future Industrial 12	679901.24380300000	4860511.80744000000	Commercial/Industrial
275	Farm D	679867.75408400000	4860445.44470000000	Farm
276	Farm E	679277.03583700000	4859981.47003000000	Farm
277	Residence	679387.20734300000	4860648.87512000000	Tooley Subdivision
278	Farm F	679261.92404300000	4860574.16942000000	Farm
279	Residence	680150.65583900000	4861295.70017000000	Tooley Subdivision
280	Residence	679939.84445800000	4861213.41060000000	Tooley Subdivision
281	Farm G	680855.73846800000	4861456.90417000000	Farm
282	Farm H	681386.22017000000	4861673.30866000000	Farm
283	Residence	680683.52128700000	4861597.94477000000	Tooley Subdivision
284	Business	680064.27088400000	4861343.68237000000	Commercial/Industrial
285	Farm I	679680.12493700000	4861213.47525000000	Farm
286	Farm J	681344.76654300000	4861792.89910000000	Farm

SSRA_ID	Name	UTM Easting	UTM Northing	Grouping
287	Youth Centre	685644.15015200000	4864814.82895000000	Commercial/Industrial
288	Bowmanville Arena	685462.90489500000	4864615.23196000000	Recreational Parkland
289	Bowmanville Rec Complex	684160.28310100000	4864604.54751000000	Recreational Parkland
290	Recreation Complex	684586.63852500000	4862406.26323000000	Recreational Parkland
291	Superdog Central	681487.71452000000	4865723.27123000000	Recreational Parkland
292	Equestrian Centre	681567.13191300000	4863670.66320000000	Recreational Parkland
293	Flea Market	678574.58775500000	4862819.38597000000	Recreational Parkland
294	Equestrian Centre	680030.76793500000	4867320.24278000000	Recreational Parkland
295	Courtice Community Complex	678099.31197000000	4864629.76643000000	Recreational Parkland
296	Former Restaurant	679830.19932300000	4860702.23430000000	Commercial/Industrial
297	Commercial	679364.77979300000	4861015.99017000000	Commercial/Industrial
298	GM Oshawa Headquarters	676418.25668000000	4860463.71479000000	Commercial/Industrial
299	Farm K	682972.31731300000	4862201.91561000000	Farm
300	Farm L	683546.85467000000	4861959.66040000000	Farm
301	Farm M	682547.46144100000	4862321.12639000000	Farm
302	Farm N	683238.33331600000	4862393.27865000000	Farm
303	Farm O	682512.59373500000	4862858.02553000000	Farm
304	Farm P	683129.07253600000	4863649.38925000000	Farm
336	Robinson 3	677642.21166500000	4861787.22109000000	Recreational Parkland
382	Bennett ECO21/HH	688606.40031000000	4862634.80610000000	Recreational Parkland
383	Oshawa ECO22/HH	673884.92426100000	4859128.89676000000	Recreational Parkland
390	Farm Q	677409.78459100000	4861051.43794000000	Farm
391	Commercial Market	688276.27569300000	4864698.54590000000	Commercial/Industrial

2.0 RECEPTOR LOCATIONS CONSIDERED IN THE MULTI-PATHWAY HHRA

Additionally, a subset of 132 receptors in 14 receptor groupings within the LAA were selected to undergo a multi-pathway exposure assessment to evaluate chronic exposure to COPC through contact with different local environmental media including soil, air, local produce, agricultural products, wild game and fish. Table 2-1 lists the receptor groupings considered in the multi-pathway risk assessment. Individual receptor locations used in the multi-pathway HHRA are listed in Table 2-2.

Table 2-1 Receptor Groupings Considered in the Multi-Pathway Risk Assessment

Multi Pathway Receptor Groupings	Number of Receptors
Bowmanville Subdivision	12
Courtice Road	8
Courtice Subdivision	12
Maple Grove	10
Oshawa Subdivision	10
Port Darlington	11
Solina Road	11
Tooley	4
Farms	17
Daycares	2
Recreation User– Sport	8
Recreation User- Camping	18

Additional Exposure Pathway	Number of Receptors in Grouping
Additional Exposure from Swimming	18
Additional Exposure from Hunting or Angling	13

Table 2-2 Individual Receptor Locations Considered in the Multi-Pathway Risk Assessment

SSRA_ID	Name	Easting	Northing	Grouping	Additional Grouping
1	Campground 10	678526.81899800000	4859996.76066000000	Recreation User - Camping	Additional Exposure From Swimming
2	ECO 2	675490.37381000000	4860360.08278000000	Additional Exposure from Hunting or Angling	
3	Recreational 5	681641.96255800000	4860349.25725000000	Recreation User - Sport	
4	ECO 4	676831.48614400000	4859840.86041000000	Additional Exposure from Hunting or Angling	
5	Bow. Valley Cons. 3	685767.24263800000	4863879.00229000000	Additional Exposure from Hunting or Angling	Additional Exposure From Swimming; Recreation User - Camping
6	ECO 6	679647.81984200000	4859989.33124000000	Recreation User - Sport	
7	ECO 7	681578.79426800000	4862070.07833000000	Additional Exposure from Hunting or Angling	
8	ECO 8	679735.50728000000	4861048.55808000000	Additional Exposure from Hunting or Angling	
9	ECO 9	687219.72303300000	4864249.31138000000	Additional Exposure from Hunting or Angling	
10	ECO 10	686518.95506200000	4861987.58134000000	Additional Exposure from Hunting or Angling	
11	ECO 11	679870.39612200000	4859737.85948000000	Additional Exposure from Hunting or Angling	
12	Recreational 4	681575.50945800000	4860557.70179000000	Recreation User - Sport	
15	Harmony Creek	673992.35837500000	4865641.42958000000	Additional Exposure from Hunting or Angling	
16	Farewell Creek	678079.20224200000	4868822.66652000000	Additional Exposure from Hunting or Angling	
17	Farm A	681378.57595200000	4860334.95442000000	Farmer	
18	Farm B	682883.40160800000	4864219.68389000000	Farmer	
19	Farm C	678929.18651000000	4865530.20071000000	Farmer	
21	Cedar Crest Beach	686652.08021100000	4861660.94117000000	Additional Exposure from Swimming	Recreation User - Camping
22	Darlington Prov Park Beach	677844.56574600000	4859718.17780000000	Additional Exposure from Swimming	Recreation User - Camping
36	Court. Subdivision 1	677328.41276800000	4862976.14258000000	Courtice Subdivision	
37	Court. Subdivision 2	676187.92808800000	4862611.07352000000	Courtice Subdivision	
38	Court. Subdivision 3	675974.77035000000	4863484.09640000000	Courtice Subdivision	
39	Court. Subdivision 4	676606.11508700000	4863214.05559000000	Courtice Subdivision	
40	Court. Subdivision 5	676827.10967900000	4863591.36374000000	Courtice Subdivision	
41	Court. Subdivision 6	677200.37394300000	4864074.94323000000	Courtice Subdivision	
42	Court. Subdivision 7	677719.79592100000	4863625.10628000000	Courtice Subdivision	
43	Court. Subdivision 8	678271.55362100000	4864200.60342000000	Courtice Subdivision	
44	Court. Subdivision 9	678184.40001800000	4863373.59356000000	Courtice Subdivision	
45	Court. Subdivision 10	677179.73358600000	4862499.48037000000	Courtice Subdivision	
46	Bow. Subdivision 1	683536.68464500000	4864215.19533000000	Bowmanville Subdivision	
47	Bow. Subdivision 2	683770.01568800000	4863915.05618000000	Bowmanville Subdivision	
48	Bow. Subdivision 3	683670.95754600000	4863534.07721000000	Bowmanville Subdivision	
49	Bow. Subdivision 4	684501.88921200000	4863847.38100000000	Bowmanville Subdivision	

TECHNICAL STUDY REPORT

SSRA_ID	Name	Easting	Northing	Grouping	Additional Grouping
50	Bow. Subdivision 5	684242.9057000000	4863518.7567100000	Bowmanville Subdivision	
51	Bow. Subdivision 6	684271.3657290000	4863201.5202300000	Bowmanville Subdivision	
52	Bow. Subdivision 7	683992.5631180000	4862628.1259800000	Bowmanville Subdivision	
53	Bow. Subdivision 8	684608.1609550000	4862956.7721600000	Bowmanville Subdivision	
54	Bow. Subdivision 9	684777.2616380000	4863330.4553400000	Bowmanville Subdivision	
55	Bow. Subdivision 10	685265.9633380000	4863243.1217000000	Bowmanville Subdivision	
56	Osh/Court Subdivision 1	677396.8039630000	4860977.3009500000	Oshawa Subdivision	
57	Osh/Court Subdivision 2	676633.5345910000	4860816.7751000000	Oshawa Subdivision	
58	Osh/Court Subdivision 3	676915.9699360000	4861924.9690000000	Oshawa Subdivision	
59	Osh/Court Subdivision 4	676730.5335500000	4861317.0511500000	Oshawa Subdivision	
60	Osh/Court Subdivision 5	676087.2083420000	4861392.2641900000	Oshawa Subdivision	
61	Osh/Court Subdivision 6	676177.1469470000	4861722.2265600000	Oshawa Subdivision	
62	Osh/Court Subdivision 7	675670.6756490000	4861783.2054700000	Oshawa Subdivision	
63	Osh/Court Subdivision 8	676050.8480460000	4862055.7119200000	Oshawa Subdivision	
64	Osh/Court Subdivision 9	676636.8739330000	4862134.2711800000	Oshawa Subdivision	
65	Osh/Court Subdivision 10	676571.3471610000	4861634.8328600000	Oshawa Subdivision	
66	Bow. Subdivision 11	684649.2052780000	4863182.6956000000	Daycare	Bowmanville Subdivision
104	Court. Subdivision 11	677665.8235410000	4863406.6109800000	Daycare	Courtice Subdivision
126	Bow. Subdivision 12	684649.2052780000	4863182.6956000000	Bowmanville Subdivision	
141	Court. Subdivision 12	678309.5563920000	4863600.8000200000	Courtice Subdivision	
194	Bow. Valley Cons. 1	685356.6037630000	4864521.1725800000	Additional Exposure from Swimming	Recreation User - Camping
195	Bow. Valley Cons. 2	685627.6667050000	4864167.8060400000	Additional Exposure from Swimming	Recreation User - Camping
196	Bow. Valley Cons. 4	685852.7391090000	4863640.2495300000	Additional Exposure from Swimming	Recreation User - Camping
197	Bow. Valley Cons. 5	686163.1417870000	4863621.4752100000	Additional Exposure from Swimming	Recreation User - Camping
198	Bow. Valley Cons. 6	685931.9048860000	4863380.6326300000	Additional Exposure from Swimming	Recreation User - Camping
199	Maple Grove 1	681688.4761520000	4864716.9706500000	Maple Grove	
200	Maple Grove 2	681768.9331310000	4864631.7975500000	Maple Grove	
201	Maple Grove 3	681894.9035220000	4864506.8089700000	Maple Grove	
202	Maple Grove 4	681974.7728400000	4864443.2350900000	Maple Grove	
203	Maple Grove 5	681942.2498520000	4864676.6903900000	Maple Grove	
204	Maple Grove 6	682053.2138380000	4864586.1826400000	Maple Grove	
205	Maple Grove 7	682168.4888300000	4864631.3403800000	Maple Grove	
206	Maple Grove 8	682261.7015750000	4864520.8963100000	Maple Grove	
207	Maple Grove 9	682382.1390870000	4864589.3566900000	Maple Grove	
208	Maple Grove 10	682459.8431130000	4864499.1754900000	Maple Grove	
209	Port Darlington 1	686227.7855680000	4861159.0048900000	Port Darlington	
210	Port Darlington 2	686184.7535010000	4861251.9718800000	Port Darlington	

Appendix F – Human Health Receptor Locations Considered in the HHRA

TECHNICAL STUDY REPORT

SSRA_ID	Name	Easting	Northing	Grouping	Additional Grouping
211	Port Darlington 3	686151.16854200000	4861286.84690000000	Port Darlington	
212	Port Darlington 4	686351.07888300000	4861341.55138000000	Port Darlington	
213	Port Darlington 5	686406.80501700000	4861448.71534000000	Port Darlington	
214	Port Darlington 6	686504.50203600000	4861603.99225000000	Port Darlington	
215	Port Darlington 7	686702.95985500000	4861789.27691000000	Port Darlington	
216	Port Darlington 8	686895.78162200000	4861960.20600000000	Port Darlington	
217	Port Darlington 9	686867.39644400000	4862119.65844000000	Port Darlington	
218	Port Darlington 10	687190.73478400000	4862048.80103000000	Port Darlington	
219	Port Darlington 11	687524.39045800000	4862126.77002000000	Port Darlington	
220	Campground 1	678646.29538000000	4860337.74435000000	Additional Exposure from Swimming	Recreation User - Camping
221	Campground 2	678410.16768200000	4860148.61595000000	Additional Exposure from Swimming	Recreation User - Camping
222	Campground 3	678651.01547000000	4860054.44100000000	Additional Exposure from Swimming	Recreation User - Camping
223	Campground 4	678725.91656200000	4859860.71086000000	Additional Exposure from Swimming	Recreation User - Camping
224	Campground 5	678511.10543100000	4859808.61988000000	Additional Exposure from Swimming	Recreation User - Camping
225	Campground 6	678869.50674100000	4859696.00124000000	Additional Exposure from Swimming	Recreation User - Camping
226	Campground 7	678723.88122600000	4860201.82237000000	Additional Exposure from Swimming	Recreation User - Camping
227	Campground 8	678796.01347500000	4860011.41463000000	Additional Exposure from Swimming	Recreation User - Camping
228	Campground 9	678852.73561300000	4859854.24592000000	Additional Exposure from Swimming	Recreation User - Camping
229	Solina 1	681099.61240200000	4861677.21325000000	Solina Road	
230	Solina 2	681115.67791400000	4861857.65588000000	Solina Road	
231	Solina 3	680987.42049000000	4861983.52453000000	Solina Road	
232	Solina 4	680965.01643400000	4862068.12976000000	Solina Road	
233	Solina 5	681021.45051900000	4862086.65073000000	Solina Road	
234	Solina 6	680939.81697300000	4862124.25337000000	Solina Road	
235	Solina 7	680988.21444900000	4862183.61932000000	Solina Road	
236	Solina 8	680984.59849500000	4862209.76484000000	Solina Road	
237	Solina 9	680958.60827600000	4862294.88977000000	Solina Road	
238	Solina 10	680857.99981500000	4862324.25687000000	Solina Road	
239	Solina 11	680990.25409100000	4862403.50849000000	Solina Road	
240	Recreational 1	681544.99340000000	4860865.00516000000	Recreation User - Sport	
241	Recreational 2	681563.69911900000	4860687.36483000000	Recreation User - Sport	
242	Recreational 3	681579.66260800000	4860609.99508000000	Recreation User - Sport	
243	Recreational 6	681876.62332100000	4860254.41009000000	Recreation User - Sport	
244	Recreational 7	682166.85102800000	4860324.42772000000	Recreation User - Sport	
245	Darlington 1	679565.44140700000	4861052.90854000000	Courtice Road	
246	Darlington 2	679452.92784600000	4861051.40919000000	Courtice Road	
247	Darlington 3	679130.54059000000	4860948.84049000000	Courtice Road	

Appendix F – Human Health Receptor Locations Considered in the HHRA

TECHNICAL STUDY REPORT

SSRA_ID	Name	Easting	Northing	Grouping	Additional Grouping
248	Darlington 4	679112.63934900000	4860941.87365000000	Courtice Road	
249	Darlington 5	679057.63227100000	4860994.11182000000	Courtice Road	
250	Darlington 6	679075.17473900000	4860931.60026000000	Courtice Road	
251	Darlington 7	678814.26101100000	4860843.05630000000	Courtice Road	
252	Darlington 8	678840.38152900000	4860777.07037000000	Courtice Road	
275	Farm D	679867.75408400000	4860445.44470000000	Farmer	
276	Farm E	679277.03583700000	4859981.47003000000	Farmer	
277	Residence	679387.20734300000	4860648.87512000000	Tooley	
278	Farm F	679261.92404300000	4860574.16942000000	Farmer	
279	Residence	680150.65583900000	4861295.70017000000	Tooley	
280	Residence	679939.84445800000	4861213.41060000000	Tooley	
281	Farm G	680855.73846800000	4861456.90417000000	Farmer	
282	Farm H	681386.22017000000	4861673.30866000000	Farmer	
283	Residence	680683.52128700000	4861597.94477000000	Tooley	
285	Farm I	679680.12493700000	4861213.47525000000	Farmer	
286	Farm J	681344.76654300000	4861792.89910000000	Farmer	
299	Farm K	682972.31731300000	4862201.91561000000	Farmer	
300	Farm L	683546.85467000000	4861959.66040000000	Farmer	
301	Farm M	682547.46144100000	4862321.12639000000	Farmer	
302	Farm N	683238.33331600000	4862393.27865000000	Farmer	
303	Farm O	682512.59373500000	4862858.02553000000	Farmer	
304	Farm P	683129.07253600000	4863649.38925000000	Farmer	
336	Robinson 3	677642.21166500000	4861787.22109000000	Additional Exposure from Hunting or Angling	
382	Bennett ECO21/HH	688606.40031000000	4862634.80610000000	Additional Exposure from Hunting or Angling	
383	Oshawa ECO22/HH	673884.92426100000	4859128.89676000000	Additional Exposure from Hunting or Angling	
390	Farm Q	677409.78459100000	4861051.43794000000	Farmer	

