

## EARTH DIMENSIONS, INC.

*Soil and Hydrogeologic Investigations • Wetland Delineations*  
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Project Code: W7B01e

October 7, 2021

Mr. Mike McGuigan  
The Krog Group  
4 Centre Drive  
Orchard Park, New York 14127

RE: 669 Youngs Road – Habitat Assessment & Tree Survey  
Town of Amherst  
Erie County, New York

Dear Mr. McGuigan:

EDI has completed a Habitat Assessment and tree survey on the 48.0± acre 669 Youngs Road site in Amherst. All living trees with a diameter at breast height (dbh) over 16 inches were identified and mapped using a Trimble GPS unit. A detailed species list and tree condition determination was generated.

During the survey, EDI identified two hundred thirty-four (234) living trees with a dbh of 16 inches or greater. One hundred twenty-six (126) of the identified trees are located within the mapped FEMA floodway and one hundred eight (108) of the identified trees are located outside of the floodway. The site is dominated by black walnut (75% of all trees), which is a common successional tree along the Ellicott Creek corridor.

The floodway along Ellicott Creek contains the largest and oldest trees (54% of all trees), as depicted on the Habitat & Tree Location Map. The floodway contains very large crack willow (15 trees) and eastern cottonwood (4 trees), with higher amounts of black walnut (89 trees) further from Ellicott Creek. Lesser amounts of basswood (11 trees), pignut hickory (5 trees), black cherry (1 tree) and Norway maple (1 tree) are scattered within the floodway.

The area outside of the floodway is dominated by black walnut (87 trees) that are of generally good health. A strip of larger, older trees (appeared to be a historic hedgerow) are located within the area outside of the floodway, identified as tree numbers 101 through 122. Trees in this area are dominated by red oak (12 trees) with scattered black walnut (5 trees), white oak (2 trees) and shagbark hickory (1 tree). The forested communities onsite are dominated by trees common to Western New York, and no significant habitats or ecosystems were identified.

If you have any questions or require further information, please contact our office at (716) 655-1717 or email [tsomerville@earthdimensions.com](mailto:tsomerville@earthdimensions.com)

Very truly yours,  
Earth Dimensions, Inc.

Thomas Somerville  
Ecologist

Tree ID#	Species	Diameter (inches)	Latitude	Longitude	Floodway	Condition
1	Black Walnut	23.0	42.94697	-78.72502		Poor
2	Black Walnut	18.0	42.94679	-78.72500		Good
3	Black Walnut	16.0	42.94666	-78.72509		Good
4	Cottonwood	21.0	42.94642	-78.72556	X	Undesireable
5	Crack Willow	19.0	42.94608	-78.72565	X	Undesireable
6	Black Walnut	22.0	42.94612	-78.72538	X	Good
7	Black Walnut	17.0	42.94605	-78.72517	X	Good
8	Black Walnut	21.0	42.94612	-78.72509	X	Good
9	Cottonwood	24.0	42.94604	-78.72568	X	Undesireable
10	Cottonwood	18.0	42.94606	-78.72576	X	Undesireable
11	Crack Willow	37.0	42.94604	-78.72590	X	Undesireable
12	Black Walnut	17.0	42.94607	-78.72597	X	Good
13	Cottonwood	23.0	42.94619	-78.72586	X	Undesireable
14	Black Walnut	16.0	42.94618	-78.72596	X	Good
15	Black Walnut	17.0	42.94626	-78.72600	X	Good
16	Black Walnut	23.0	42.94615	-78.72618	X	Good
17	Crack Willow	36.0	42.94622	-78.72638	X	Undesireable
18	Black Walnut	18.0	42.94634	-78.72659	X	Good
19	Black Walnut	18.0	42.94641	-78.72650	X	Good
20	Black Walnut	16.0	42.94652	-78.72662	X	Good
21	Black Walnut	17.0	42.94660	-78.72707	X	Good
22	Norway Maple	17.0	42.94682	-78.72723	X	Undesireable
23	Black Walnut	26.0	42.94690	-78.72711	X	Poor
24	Crack Willow	36.0	42.94712	-78.72754	X	Undesireable
25	Crack Willow	31.0	42.94712	-78.72767	X	Undesireable
26	Basswood	19.0	42.94713	-78.72816	X	Good
27	Black Walnut	22.0	42.94722	-78.72822	X	Good
28	Black Walnut	17.0	42.94727	-78.72838	X	Good
29	Black Walnut	23.0	42.94721	-78.72843	X	Good
30	Crack Willow	17.0	42.94722	-78.72856	X	Undesireable
31	Basswood	24.0	42.94723	-78.72863	X	Good
32	Basswood	17.0	42.94728	-78.72863	X	Good
33	Basswood	16.0	42.94727	-78.72867	X	Good
34	Crack Willow	24.0	42.94722	-78.72874	X	Undesireable
35	Basswood	24.0	42.94722	-78.72878	X	Good
36	Black Walnut	19.0	42.94725	-78.72876	X	Good
37	Black Walnut	21.0	42.94732	-78.72874	X	Good
38	Black Walnut	17.0	42.94733	-78.72880	X	Good
39	Black Walnut	18.0	42.94735	-78.72894	X	Good
40	Black Walnut	22.0	42.94734	-78.72910	X	Good
41	Black Walnut	27.0	42.94735	-78.72919	X	Good
42	Black Walnut	21.0	42.94734	-78.72926	X	Good
43	Black Walnut	19.0	42.94738	-78.72923	X	Good
44	Black Walnut	25.0	42.94733	-78.72937	X	Poor
45	Black Walnut	19.0	42.94727	-78.72949	X	Good

Tree ID#	Species	Diameter (inches)	Latitude	Longitude	Floodway	Condition
46	Black Walnut	27.0	42.94729	-78.72978	X	Good
47	Black Walnut	33.0	42.94731	-78.72975	X	Good
48	Pignut Hickory	29.0	42.94736	-78.72971	X	Good
49	Black Walnut	19.0	42.94748	-78.72966	X	Good
50	Black Walnut	21.0	42.94750	-78.72955	X	Good
51	Black Walnut	16.0	42.94749	-78.72943	X	Good
52	Black Walnut	19.0	42.94756	-78.72943	X	Good
53	Black Walnut	22.0	42.94762	-78.72938	X	Poor
54	Black Walnut	21.0	42.94766	-78.72924	X	Good
55	Black Walnut	22.0	42.94766	-78.72913	X	Good
56	Black Walnut	20.0	42.94776	-78.72905	X	Good
57	Black Walnut	28.0	42.94780	-78.72924	X	Good
58	Black Walnut	25.0	42.94775	-78.72951	X	Good
59	Black Walnut	26.0	42.94768	-78.72947	X	Good
60	Black Walnut	17.0	42.94766	-78.72949	X	Good
61	Black Walnut	16.0	42.94763	-78.72962	X	Good
62	Crack Willow	25.0	42.94743	-78.72993	X	Undesireable
63	Basswood	20.0	42.94767	-78.73003	X	Good
64	Black Cherry	21.0	42.94768	-78.73003	X	Excellent
65	Basswood	19.0	42.94770	-78.73011	X	Good
66	Black Walnut	26.0	42.94788	-78.73012	X	Good
67	Black Walnut	21.0	42.94791	-78.73024	X	Good
68	Basswood	33.0	42.94780	-78.73026	X	Good
69	Black Walnut	28.0	42.94779	-78.73036	X	Good
70	Black Walnut	26.0	42.94786	-78.73038	X	Good
71	Pignut Hickory	25.0	42.94785	-78.73041	X	Good
72	Black Walnut	27.0	42.94796	-78.73050	X	Good
73	Black Walnut	16.0	42.94799	-78.73054	X	Poor
74	Basswood	20.0	42.94814	-78.73074	X	Good
75	Basswood	21.0	42.94818	-78.73065	X	Good
76	Basswood	20.0	42.94821	-78.73063	X	Good
77	Black Walnut	18.0	42.94833	-78.73078	X	Good
78	Black Walnut	25.0	42.94851	-78.73082	X	Good
79	Black Walnut	24.0	42.94850	-78.73083	X	Good
80	Black Walnut	25.0	42.94854	-78.73081	X	Good
81	Black Walnut	25.0	42.94854	-78.73091	X	Good
82	Black Walnut	23.0	42.94850	-78.73100	X	Good
83	Black Walnut	32.0	42.94882	-78.73082	X	Good
84	Black Walnut	30.0	42.94893	-78.73095	X	Good
85	Crack Willow	18.0	42.94898	-78.73110	X	Undesireable
86	Crack Willow	17.0	42.94897	-78.73116	X	Undesireable
87	Crack Willow	17.0	42.94899	-78.73114	X	Undesireable
88	Crack Willow	22.0	42.94905	-78.73115	X	Undesireable
89	Crack Willow	21.0	42.94918	-78.73113	X	Undesireable
90	Crack Willow	38.0	42.94933	-78.73104	X	Undesireable

Tree ID#	Species	Diameter (inches)	Latitude	Longitude	Floodway	Condition
91	Black Walnut	22.0	42.94954	-78.73101	X	Good
92	Black Walnut	16.0	42.94966	-78.73101	X	Good
93	Black Walnut	18.0	42.94968	-78.73119	X	Good
94	Black Walnut	22.0	42.94978	-78.73119	X	Good
95	Black Walnut	21.0	42.94980	-78.73102	X	Good
96	Black Walnut	27.0	42.94975	-78.73085		Good
97	Black Walnut	17.0	42.94977	-78.73077		Good
98	Black Cherry	16.0	42.95009	-78.73051		Good
99	Sugar Maple	19.0	42.94994	-78.73027		Good
100	Black Walnut	18.0	42.95019	-78.73014		Excellent
101	Red Oak	19.0	42.94998	-78.72983		Excellent
102	Red Oak	20.0	42.94995	-78.72983		Excellent
103	Red Oak	29.0	42.94988	-78.72978		Excellent
104	Red Oak	27.0	42.94990	-78.72978		Good
105	White Oak	23.0	42.94990	-78.72972		Good
106	Red Oak	18.0	42.94976	-78.72977		Good
107	Shagbark Hickory	19.0	42.94968	-78.72973		Excellent
108	White Oak	19.0	42.94949	-78.72972		Good
109	Red Oak	34.0	42.94941	-78.72970		Good
110	Red Oak	18.0	42.94934	-78.72973		Good
111	Basswood	19.0	42.94926	-78.72979		Good
112	Red Oak	19.0	42.94926	-78.72975		Good
113	Red Oak	25.0	42.94928	-78.72974		Good
114	Red Oak	22.0	42.94914	-78.72976		Good
115	Red Oak	27.0	42.94910	-78.72974		Good
116	Red Oak	16.0	42.94900	-78.72977		Good
117	Black Walnut	23.0	42.94898	-78.72975		Good
118	Black Walnut	17.0	42.94893	-78.72974		Good
119	Basswood	19.0	42.94895	-78.72972		Good
120	Black Walnut	20.0	42.94894	-78.72978		Good
121	Black Walnut	23.0	42.94894	-78.72979		Good
122	Black Walnut	24.0	42.94889	-78.72991	X	Good
123	Basswood	18.0	42.94888	-78.72965		Good
124	Black Walnut	21.0	42.94875	-78.72967	X	Good
125	Black Walnut	22.0	42.94874	-78.72975	X	Good
126	Black Walnut	17.0	42.94874	-78.72980	X	Good
127	Black Walnut	17.0	42.94866	-78.72981	X	Good
128	Black Walnut	16.0	42.94863	-78.72977	X	Good
129	Black Walnut	24.0	42.94860	-78.72975	X	Good
130	Black Walnut	18.0	42.94862	-78.72985	X	Good
131	Black Walnut	26.0	42.94865	-78.73010	X	Good
132	Black Walnut	23.0	42.94850	-78.73001	X	Good
133	Black Walnut	25.0	42.94851	-78.72998	X	Good
134	Black Walnut	19.0	42.94839	-78.73007	X	Good
135	Black Walnut	25.0	42.94840	-78.73001	X	Good

Tree ID#	Species	Diameter (inches)	Latitude	Longitude	Floodway	Condition
136	Black Walnut	26.0	42.94833	-78.72996	X	Good
137	Black Walnut	24.0	42.94834	-78.72988	X	Good
138	Black Walnut	20.0	42.94837	-78.72984	X	Good
139	Black Walnut	26.0	42.94838	-78.72983	X	Good
140	Pignut Hickory	17.0	42.94832	-78.72984	X	Good
141	Black Walnut	18.0	42.94831	-78.72985	X	Good
142	Pignut Hickory	18.0	42.94826	-78.72980	X	Good
143	Pignut Hickory	23.0	42.94823	-78.72983	X	Good
144	Black Walnut	20.0	42.94827	-78.72994	X	Good
145	Black Walnut	16.0	42.94827	-78.73004	X	Good
146	Black Walnut	34.0	42.94810	-78.72972	X	Good
147	Black Walnut	21.0	42.94802	-78.72985	X	Good
148	Black Walnut	30.0	42.94798	-78.72986	X	Good
149	Black Walnut	21.0	42.94794	-78.72973	X	Good
150	Black Walnut	22.0	42.94796	-78.72965	X	Good
151	Crack Willow	22.0	42.94800	-78.72963	X	Undesireable
152	Black Walnut	20.0	42.94806	-78.72962	X	Good
153	Black Walnut	23.0	42.94810	-78.72962	X	Good
154	Black Walnut	26.0	42.94814	-78.72961	X	Good
155	Black Walnut	23.0	42.94810	-78.72956	X	Good
156	Black Walnut	23.0	42.94760	-78.72561		Poor
157	Black Walnut	18.0	42.94696	-78.72568		Good
158	Black Walnut	22.0	42.94701	-78.72581		Good
159	Black Walnut	16.0	42.94711	-78.72627		Good
160	Black Walnut	17.0	42.94724	-78.72631		Good
161	Black Walnut	16.0	42.94729	-78.72629		Good
162	Black Walnut	16.0	42.94751	-78.72627		Good
163	Black Walnut	21.0	42.94755	-78.72637		Good
164	Black Walnut	16.0	42.94754	-78.72652		Good
165	Catalpa	21.0	42.94761	-78.72676		Undesireable
166	Black Walnut	23.0	42.94762	-78.72707		Good
167	Black Walnut	20.0	42.94755	-78.72705		Good
168	Black Walnut	26.0	42.94732	-78.72703		Good
169	Black Walnut	16.0	42.94736	-78.72714		Good
170	Black Walnut	26.0	42.94741	-78.72725		Good
171	Black Walnut	22.0	42.94761	-78.72734		Good
172	Black Walnut	17.0	42.94778	-78.72751		Good
173	Black Walnut	16.0	42.94774	-78.72765		Good
174	Black Walnut	19.0	42.94787	-78.72783		Good
175	Black Walnut	16.0	42.94797	-78.72822		Good
176	Black Walnut	16.0	42.94791	-78.72831		Good
177	Black Walnut	21.0	42.94788	-78.72845		Good
178	Black Walnut	16.0	42.94795	-78.72849		Good
179	Black Walnut	22.0	42.94791	-78.72855		Good
180	Black Walnut	20.0	42.94798	-78.72859		Good

Tree ID#	Species	Diameter (inches)	Latitude	Longitude	Floodway	Condition
181	Black Walnut	18.0	42.94815	-78.72886		Good
182	Black Walnut	17.0	42.94823	-78.72894		Good
183	Black Walnut	18.0	42.94833	-78.72885		Good
184	Black Walnut	16.0	42.94831	-78.72905		Good
185	Black Walnut	17.0	42.94837	-78.72910		Good
186	Black Walnut	17.0	42.94840	-78.72927	X	Good
187	Black Walnut	16.0	42.94851	-78.72914		Good
188	Black Walnut	16.0	42.94872	-78.72935		Good
189	Black Walnut	16.0	42.94877	-78.72929		Good
190	Black Walnut	19.0	42.94889	-78.72921		Good
191	Black Walnut	17.0	42.94896	-78.72946		Good
192	Black Walnut	19.0	42.94924	-78.72947		Good
193	Black Walnut	16.0	42.94943	-78.72933		Good
194	Black Walnut	16.0	42.94947	-78.72914		Good
195	Black Walnut	16.0	42.94937	-78.72909		Good
196	Black Walnut	16.0	42.94927	-78.72900		Good
197	Black Walnut	23.0	42.94937	-78.72861		Good
198	Black Walnut	19.0	42.94945	-78.72860		Good
199	Black Walnut	16.0	42.94951	-78.72839		Good
200	Black Walnut	17.0	42.94928	-78.72844		Good
201	Black Walnut	16.0	42.94896	-78.72828		Good
202	Black Walnut	19.0	42.94865	-78.72831		Good
203	Black Walnut	19.0	42.94843	-78.72834		Good
204	Black Walnut	20.0	42.94842	-78.72826		Good
205	Black Walnut	20.0	42.94843	-78.72812		Good
206	Black Walnut	16.0	42.94834	-78.72813		Good
207	Black Walnut	18.0	42.94826	-78.72831		Good
208	Black Walnut	16.0	42.94828	-78.72815		Good
209	Black Walnut	19.0	42.94825	-78.72811		Good
210	Black Walnut	19.0	42.94821	-78.72805		Good
211	Black Walnut	16.0	42.94811	-78.72812		Good
212	Black Walnut	21.0	42.94808	-78.72799		Good
213	Black Walnut	19.0	42.94808	-78.72800		Good
214	Black Walnut	17.0	42.94803	-78.72784		Good
215	Black Walnut	20.0	42.94804	-78.72761		Good
216	Black Walnut	22.0	42.94800	-78.72753		Good
217	Black Walnut	16.0	42.94818	-78.72728		Good
218	Black Walnut	19.0	42.94821	-78.72721		Good
219	Black Walnut	18.0	42.94834	-78.72729		Good
220	Black Walnut	16.0	42.94852	-78.72702		Good
221	Black Walnut	18.0	42.94876	-78.72714		Good
222	Black Walnut	18.0	42.94880	-78.72702		Good
223	Black Walnut	17.0	42.94865	-78.72695		Good
224	Black Walnut	18.0	42.94854	-78.72671		Good
225	Black Walnut	19.0	42.94832	-78.72675		Good

<b>Tree ID#</b>	<b>Species</b>	<b>Diameter (inches)</b>	<b>Latitude</b>	<b>Longitude</b>	<b>Floodway</b>	<b>Condition</b>
226	Black Walnut	17.0	42.94829	-78.72670		Good
227	Black Walnut	16.0	42.94824	-78.72663		Good
228	Black Walnut	16.0	42.94826	-78.72658		Good
229	Black Walnut	16.0	42.94803	-78.72653		Good
230	Black Walnut	16.0	42.94792	-78.72662		Good
231	Black Walnut	16.0	42.94784	-78.72649		Good
232	Black Walnut	17.0	42.94780	-78.72640		Good
233	Black Walnut	16.0	42.94770	-78.72629		Good
234	Black Walnut	16.0	42.94767	-78.72627		Good





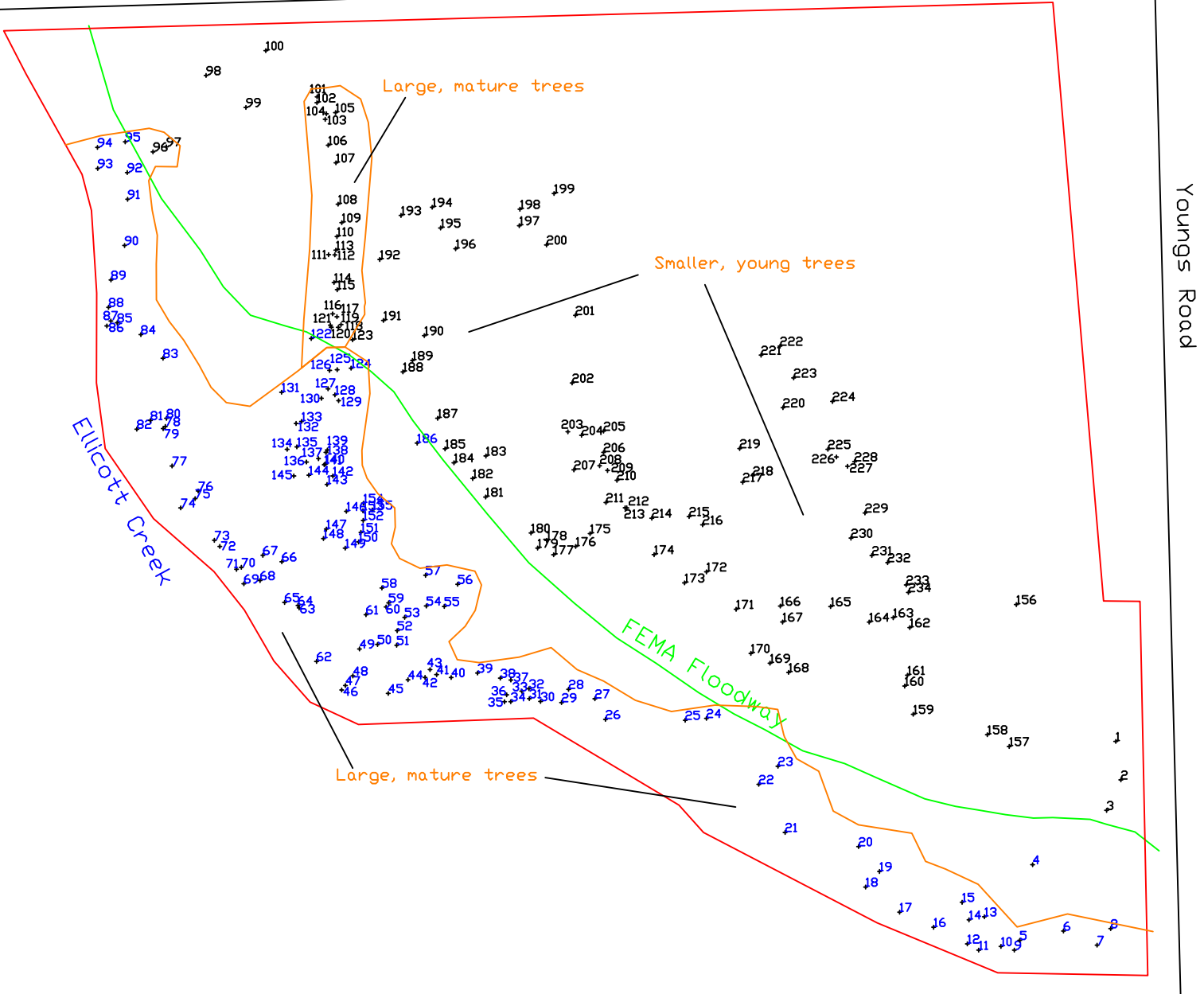
# Habitat & Tree Location Map

Town of Amherst Erie County, New York



NYS Thruway

Youngs Road



669 Youngs Road

## LEGEND

	Limits of Investigation
	FEMA Floodway
	Trees within Floodway
	Trees outside Floodway
	Community Boundary

Scale:
Map Date: October 7, 2021/ TJS for EDI Revised:
Base Map Provided By: Trimble Geo 7X
File Name: Tree Survey.dwg
EDI Project Code: W7B01e

