

Branched Oak Brushing Projects Update

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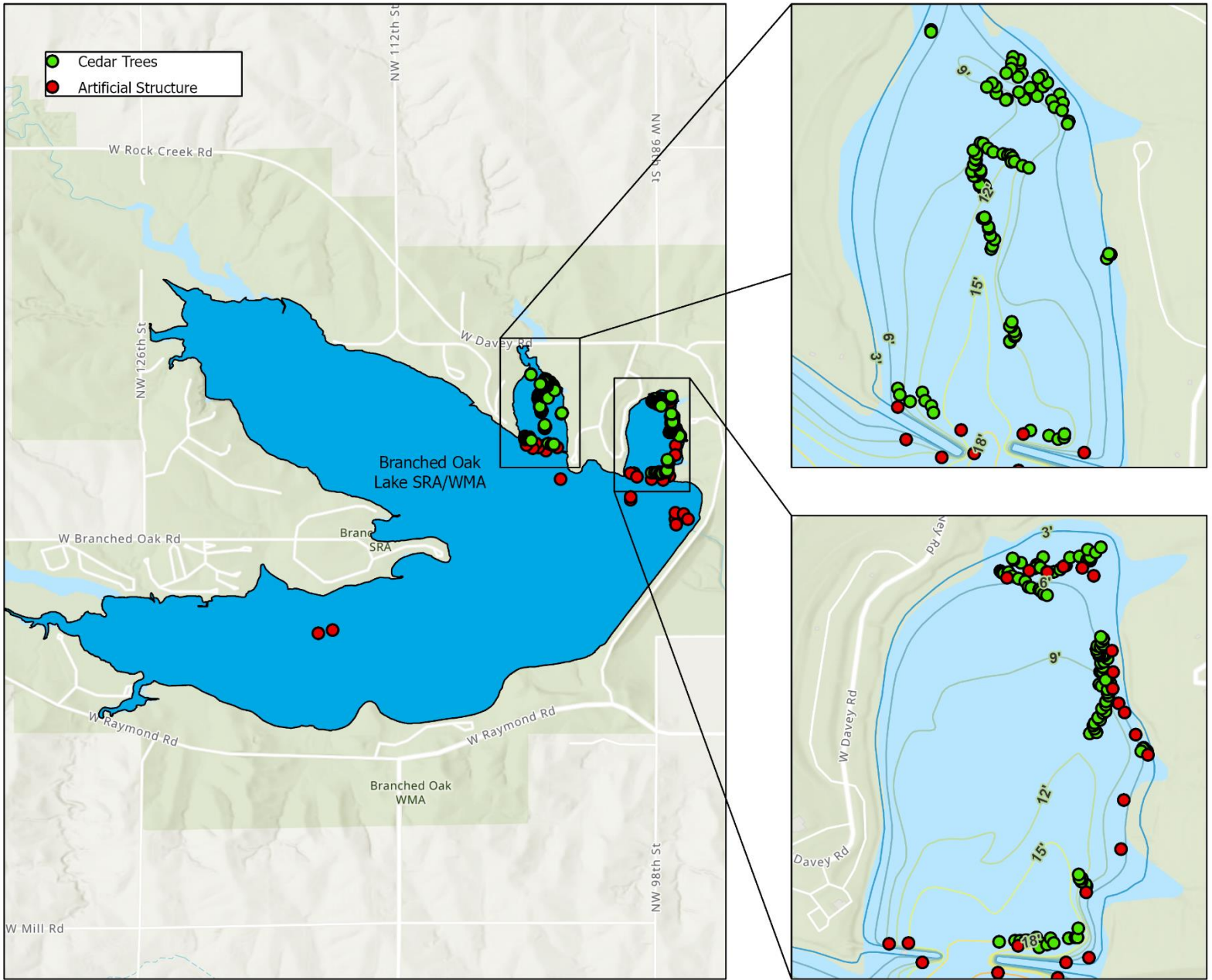
Southeast District, Fisheries Division

Nebraska Game and Parks Commission

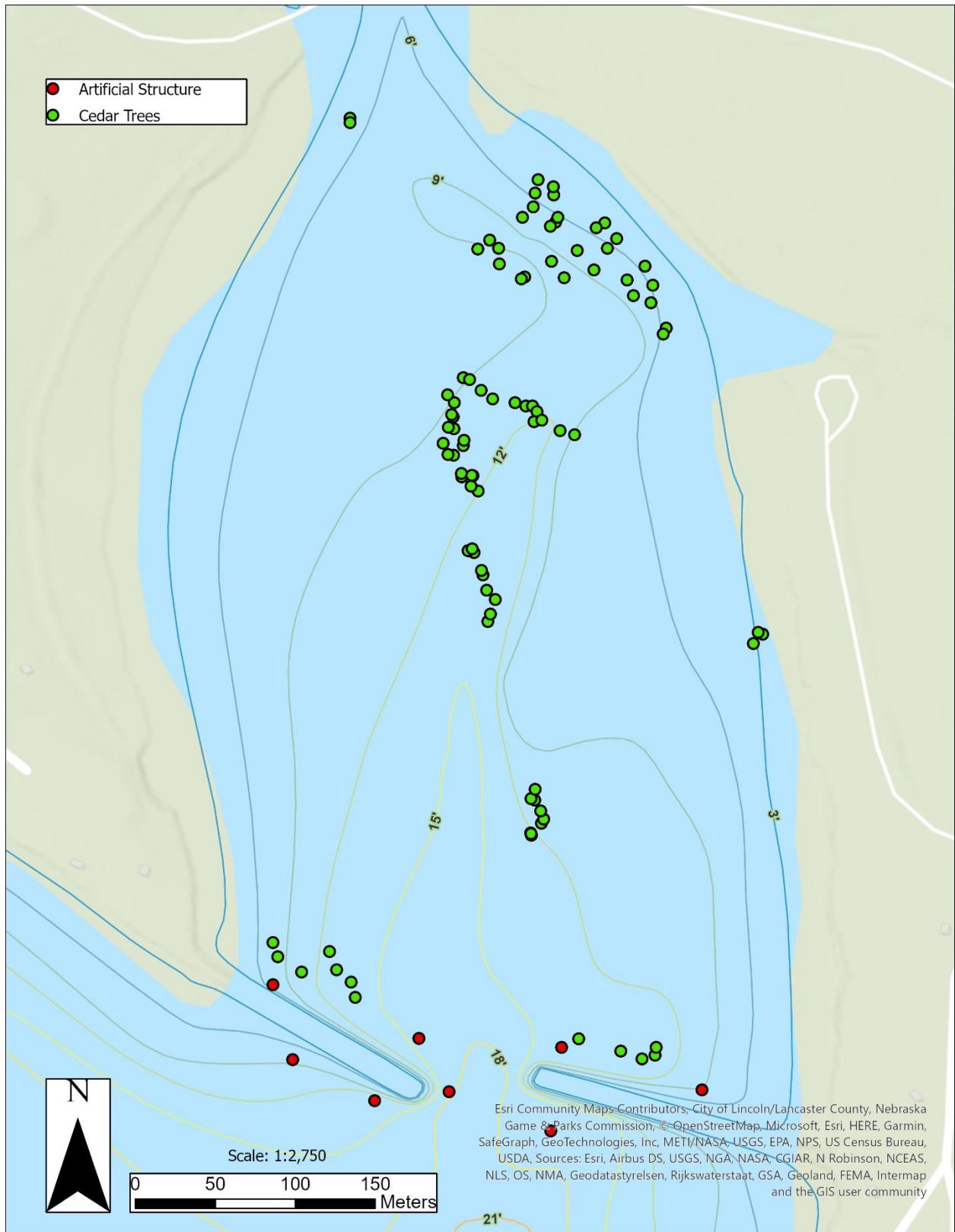
In the summer of 2022, NGPC district biologists along with a group of volunteers constructed and placed 171 artificial tree structures in Branched Oak Lake. These structures were constructed using 5-gallon buckets, concrete, and donated PVC tubing and included both “short” (placed in less than 6 feet of water) and “tall” (placed in greater than 6 feet of water). In February of 2023, NGPC district biologist and a group of volunteers were able to cut and place 246 Cedar trees in the two north bays at Branched Oak Lake. Below is an overview of the projects including pictures from the project, map locations of the structures, and GIS coordinates where structures were placed.



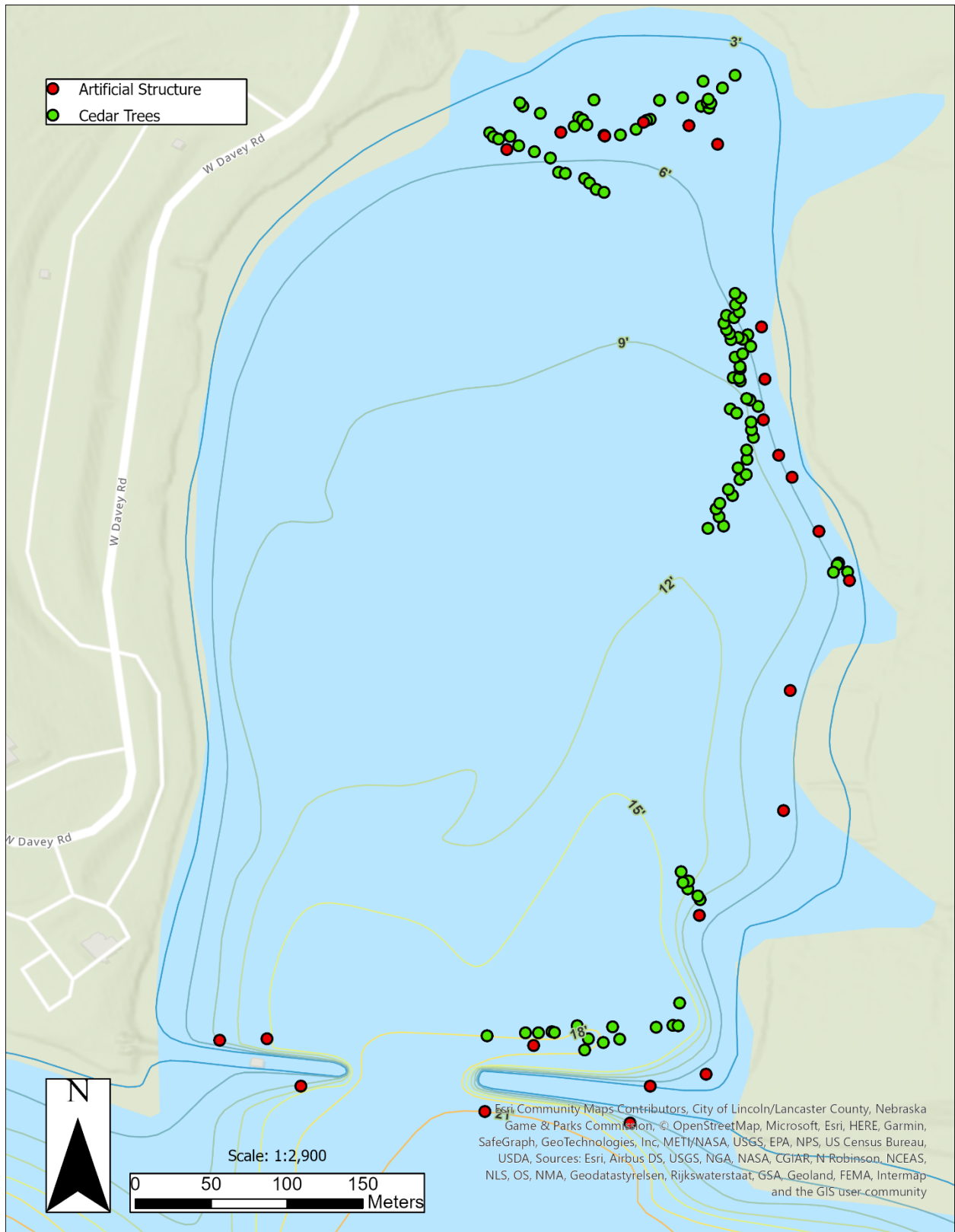
Completed artificial structures ready to be placed in Branched Oak



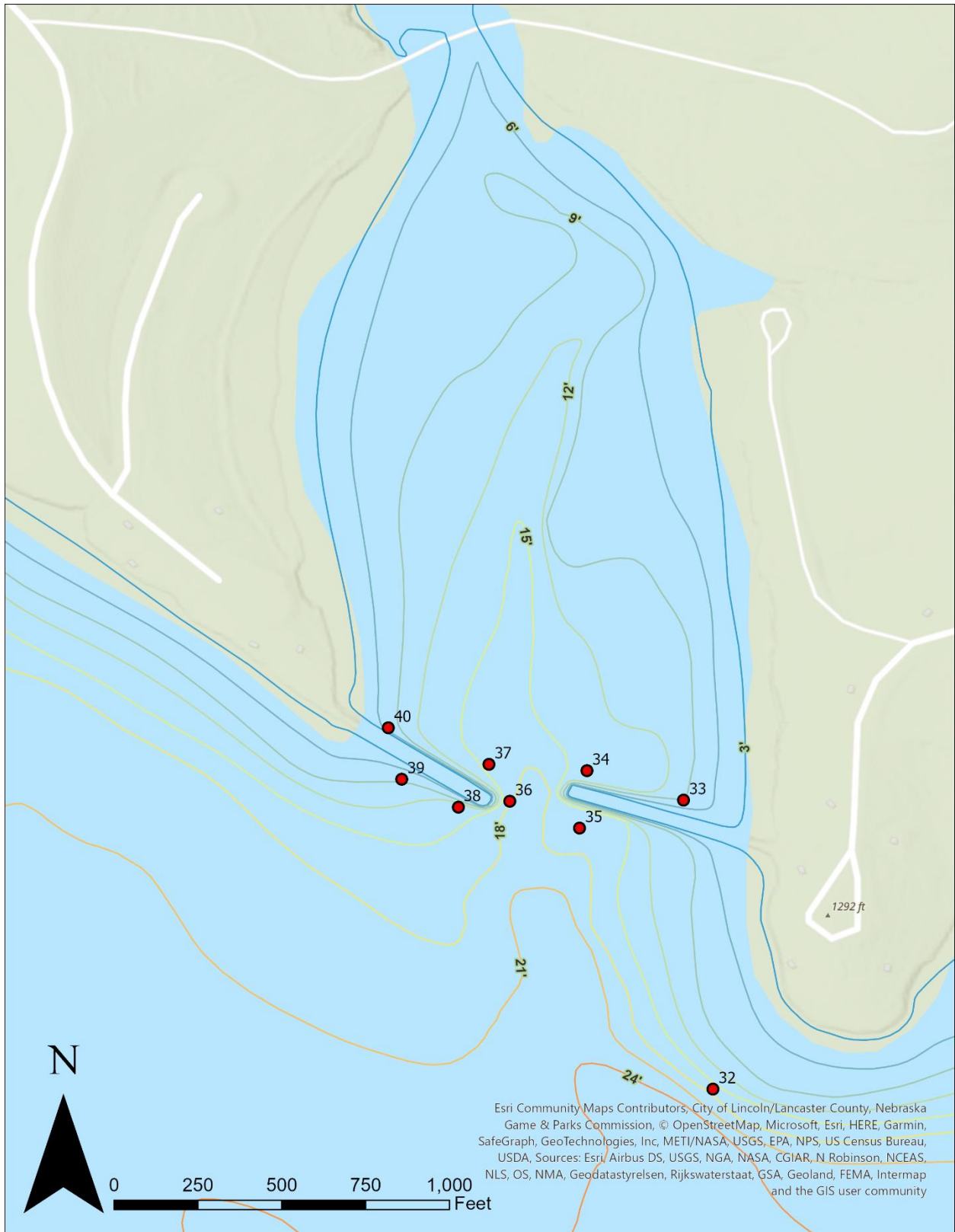
Locations of cedar trees and artificial structures placed in Branched Oak



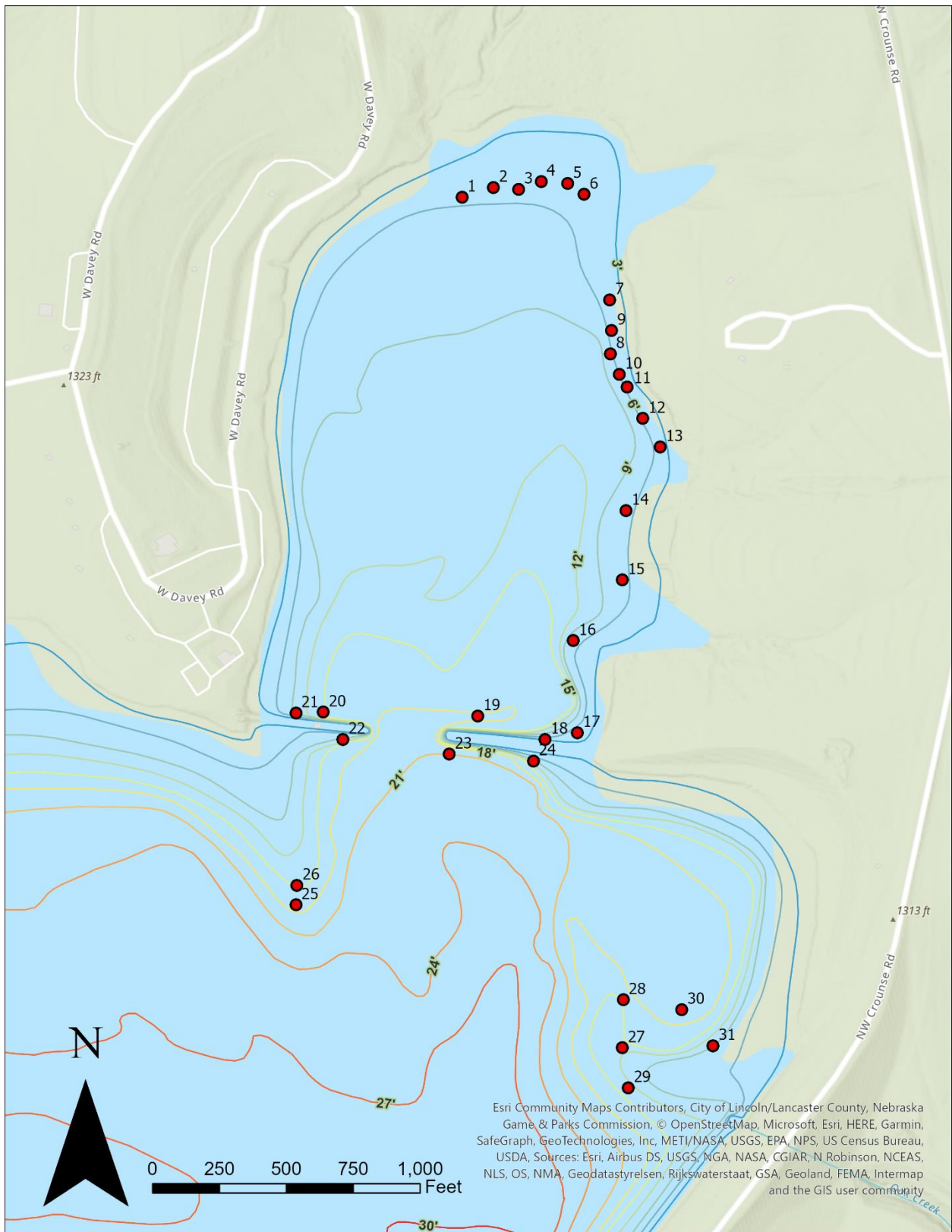
Locations of cedar trees and artificial structures placed in the north arm of Branched Oak



Locations of cedar trees and artificial structures placed in the northeast arm of Branched Oak



Locations of artificial structures placed in the north arm of Branched Oak



Locations of artificial structures placed in the northeast arm of Branched Oak



Cedar tree piles placed on top of the ice with blocks attached



NGPC staff and volunteers attach blocks and tow ropes to trees



Cedar tree piles placed on top of the ice with blocks attached



Cedar tree piles placed on top of the ice with blocks attached

Cedar Tree Locations

Latitude	Longitude	Trees
40.978296	-96.853487	1
40.978314	-96.853258	2
40.978357	-96.852952	3
40.978315	-96.853182	1
40.978321	-96.853103	1
40.978279	-96.852886	1
40.978317	-96.853086	1
40.978214	-96.852909	2
40.978256	-96.852797	1
40.978349	-96.852744	1
40.978277	-96.852700	1
40.978347	-96.852484	1
40.978358	-96.852385	1
40.978357	-96.852355	1
40.978490	-96.852346	1
40.979102	-96.852225	2
40.979123	-96.852237	1
40.979165	-96.852298	1
40.979212	-96.852293	1
40.979203	-96.852327	1
40.979267	-96.852337	1
40.982170	-96.851987	1
40.982189	-96.852029	2
40.981040	-96.851352	1
40.981094	-96.851405	1
40.981082	-96.851414	2
40.981038	-96.851436	2
40.982187	-96.851994	2
40.981298	-96.852178	1
40.981312	-96.852085	2
40.982243	-96.851986	2
40.981366	-96.852113	1
40.981413	-96.852129	2
40.982257	-96.851989	1
40.981447	-96.852108	1
40.982311	-96.852012	2
40.981493	-96.852033	1
40.981527	-96.852057	1
40.982312	-96.852018	1
40.981588	-96.851988	1
40.982331	-96.851973	2
40.981617	-96.851951	1
40.982376	-96.851924	2

40.981657	-96.852000	1
40.981706	-96.851947	1
40.982444	-96.851943	1
40.981761	-96.851948	1
40.982416	-96.851974	1
40.981837	-96.851909	1
40.982427	-96.851999	1
40.981882	-96.851921	2
40.982414	-96.852042	1
40.982449	-96.852050	1
40.982474	-96.852068	1
40.982005	-96.852045	1
40.982512	-96.852083	1
40.981981	-96.852008	1
40.982559	-96.852068	2
40.981928	-96.851922	1
40.982545	-96.852024	1
40.982021	-96.851881	1
40.982577	-96.851992	1
40.982058	-96.851930	1
40.982621	-96.852016	2
40.982066	-96.851950	1
40.982662	-96.851985	1
40.982689	-96.852018	2
40.983834	-96.852853	2
40.983729	-96.852944	1
40.983716	-96.852920	2
40.983754	-96.853170	1
40.983676	-96.852970	2
40.983796	-96.853275	1
40.983816	-96.853293	2
40.983685	-96.852895	3
40.983624	-96.852793	1
40.983638	-96.853471	1
40.983625	-96.852697	1
40.983614	-96.853448	1
40.983659	-96.852605	1
40.983602	-96.853418	1
40.983620	-96.853354	1
40.983718	-96.852521	1
40.983616	-96.853349	1
40.983562	-96.853299	1
40.983711	-96.852543	3
40.983526	-96.853207	1
40.983830	-96.852465	1
40.983489	-96.853111	1
40.983406	-96.853062	1
40.983847	-96.852329	1

40.983398	-96.853024	1
40.983796	-96.852217	2
40.983367	-96.852908	1
40.983342	-96.852880	1
40.983784	-96.852171	1
40.983304	-96.852841	1
40.983818	-96.852182	1
40.983814	-96.852161	1
40.983287	-96.852794	1
40.983838	-96.852175	3
40.983944	-96.852206	2
40.983904	-96.852093	1
40.983978	-96.852017	3
40.985641	-96.862488	1
40.985616	-96.862488	1
40.982695	-96.860222	2
40.982747	-96.860170	1
40.982756	-96.860194	1
40.981017	-96.862920	1
40.980938	-96.862893	1
40.980852	-96.862760	1
40.980967	-96.862603	1
40.980863	-96.862563	1
40.980794	-96.862482	1
40.980709	-96.862459	1
40.980478	-96.861204	2
40.981619	-96.861469	1
40.980409	-96.860966	1
40.981631	-96.861472	1
40.981627	-96.861471	1
40.980364	-96.860848	2
40.981686	-96.861412	1
40.980385	-96.860774	1
40.981710	-96.861399	1
40.981755	-96.861416	1
40.980430	-96.860769	1
40.981815	-96.861450	1
40.981823	-96.861470	2
40.981877	-96.861448	3
40.983549	-96.861767	1
40.983577	-96.861807	2
40.983630	-96.861860	1
40.983635	-96.861797	1
40.983638	-96.861804	1
40.983648	-96.861861	1
40.982817	-96.861713	1
40.983750	-96.861905	1
40.982859	-96.861698	1

40.983755	-96.861937	1
40.982940	-96.861672	1
40.983818	-96.861965	1
40.983804	-96.861852	1
40.982993	-96.861720	3
40.983835	-96.861848	1
40.983899	-96.861904	1
40.983078	-96.861741	2
40.983908	-96.861936	1
40.983104	-96.861748	1
40.983966	-96.861907	1
40.983204	-96.861791	2
40.983978	-96.861916	1
40.984045	-96.861902	1
40.983215	-96.861825	2
40.984089	-96.861940	1
40.983225	-96.861801	1
40.984186	-96.861851	1
40.984174	-96.861816	1
40.984115	-96.861751	1
40.984067	-96.861686	1
40.984046	-96.861561	1
40.984027	-96.861500	1
40.984027	-96.861463	1
40.983996	-96.861438	1
40.983939	-96.861454	1
40.983947	-96.861410	1
40.983889	-96.861308	1
40.983865	-96.861226	1
40.984912	-96.861042	1
40.984789	-96.861118	1
40.984965	-96.860989	2
40.984811	-96.860830	1
40.985053	-96.861056	1
40.984733	-96.860932	1
40.985026	-96.861104	1
40.984704	-96.860786	1
40.984898	-96.861212	1
40.984645	-96.860895	1
40.984606	-96.860798	1
40.984464	-96.860711	1
40.985058	-96.861332	3
40.984431	-96.860728	1
40.985084	-96.861321	1
40.985034	-96.861363	1
40.984746	-96.861285	1
40.984838	-96.861356	1
40.985211	-96.861344	1

40.985256	-96.861346	1
40.985297	-96.861432	1
40.984750	-96.861506	1
40.985221	-96.861448	1
40.984739	-96.861525	1
40.985143	-96.861458	1
40.984824	-96.861648	1
40.985084	-96.861518	1
40.984912	-96.861652	1
40.984957	-96.861703	1
40.984908	-96.861769	1

Artificial Habitat Locations

Latitude	Longitude	Name	Number Placed	Type of Artificial Structure
40.983540	-96.853370	1	4	Short
40.983640	-96.853050	2	4	Short
40.983620	-96.852790	3	4	Short
40.983700	-96.852560	4	4	Short
40.983680	-96.852290	5	4	Short
40.983570	-96.852120	6	4	Short
40.982490	-96.851860	7	4	Short
40.981940	-96.851850	8	4	Short
40.982180	-96.851840	9	4	Short
40.981730	-96.851760	10	4	Short
40.981600	-96.851680	11	4	Short
40.981280	-96.851520	12	4	Short
40.980990	-96.851340	13	2	Short
40.980340	-96.851690	14	2	Short
40.979630	-96.851730	15	6	Short
40.979010	-96.852230	16	3	Short
40.978070	-96.852190	17	4	Short
40.978000	-96.852520	18	2	Short
40.978240	-96.853210	19	4	Tall
40.978280	-96.854790	20	4	Tall
40.978270	-96.855070	21	4	Short
40.978000	-96.854590	22	4	Tall
40.977850	-96.853500	23	4	Tall

40.977780	-96.852640	24	5	Tall
40.976310	-96.855070	25	4	Tall
40.976510	-96.855060	26	4	Tall
40.974850	-96.851730	27	4	Tall
40.975340	-96.851720	28	4	Tall
40.974440	-96.851670	29	5	Tall
40.975240	-96.851120	30	4	Tall
40.974870	-96.850800	31	4	Tall
40.977830	-96.860270	32	4	Tall
40.980190	-96.860510	33	8	Short
40.980430	-96.861300	34	4	Tall
40.979960	-96.861360	35	4	Tall
40.980180	-96.861930	36	2	Tall
40.980480	-96.862100	37	4	Tall
40.980130	-96.862350	38	4	Tall
40.980360	-96.862810	39	4	Tall
40.966620	-96.877240	42	4	Tall
40.966390	-96.878310	41	4	Tall
40.980780	-96.862920	40	8	Short



An example of a “short” artificial structure



An example of a “tall” artificial structure