Woodland Condos

2732 Woodland Ave. Duluth, MN.

R-P Regulating Plan August 29, 2025

Titanium Partners



DSGW Architects



NCE



TJPA Design



Approval

Sign



Site History

Previously two-single family homes were built on the property along with the existing drive that can still be seen today. These homes were demolished years ago. This site has sat vacant for many years. In 2025, the site was rezoned from a R-1 to R-P that established the basis for the regulating plan.









Concept Plan for 2025 Rezoning

The concept plan below was submitted to City of Duluth on 3/5/2025 for rezoning the property from R-1 to R-P. An ordinance amending the offical zoning map to reclassify the parcels was approved by the Duluth City Council on 5/12/2025.

PLUMA-2502-0001





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Site Data

Lot Metrics

Total Site Area 8.14 acres
Minimum Common Space (30% of Site Area) 2.44 acres

Proposed Common Space Site Area 2.88 acres 35.3%

Residential Site Area 5.36 acres 64.7%

Proposed Density Unit per Acre of Residential Site 14 per acre (maximum density permitted is 75

units

Setback

Front Yard 100' R.O.W.
Rear Yard 20'
Side yard 20'

Permitted Uses (per Table 50-19.8)

Previous zone was R-1

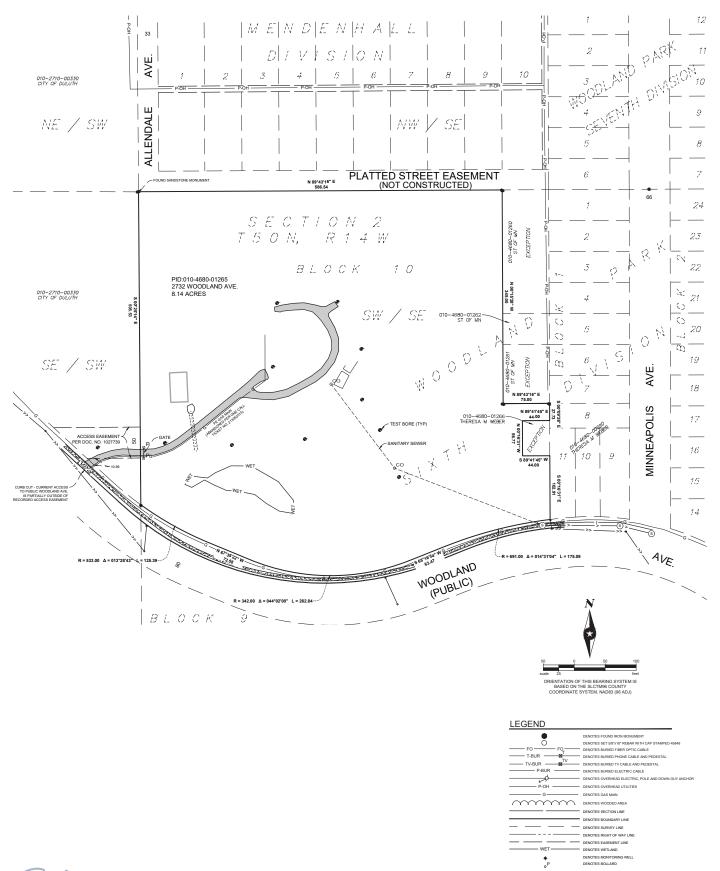
RESIDENTIAL USES

Household Living

- Dwelling, Single Family
- Dwelling, Two Family
- Dwelling, townhouse
- Dwelling, Multi Family



Survey





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Site Zoning Map

Below is the current site zoning map showing the site and adjacent properties.



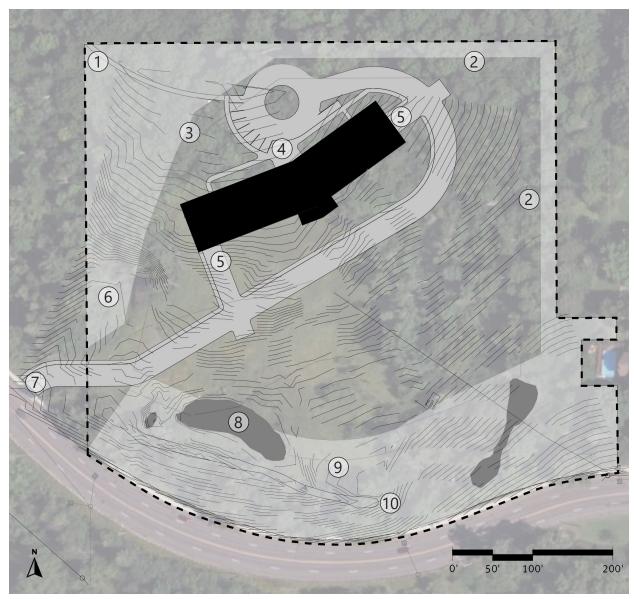


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General Layout

Below is a general layout of the development's roadways, parking, a multifamily building and landscape. All regulation and code related items are included in the following pages.

Please note, if any code-related item is not specifically called out in the following pages, it is assumed that the code-related item will comply with the City of Duluth's UDC. All signage and site lighting will comply with the UDC standards. All landscaping, including parking lot landscaping, will also be in accordance with UDC standards. Please note that some UDC standards are used here as a guideline as this is a private development with private roads and not all UDC standards are required. A 20' wide existing landscape buffer will be preserved on the shared borders in conformance with Section 50-25.5.A of the UDC.



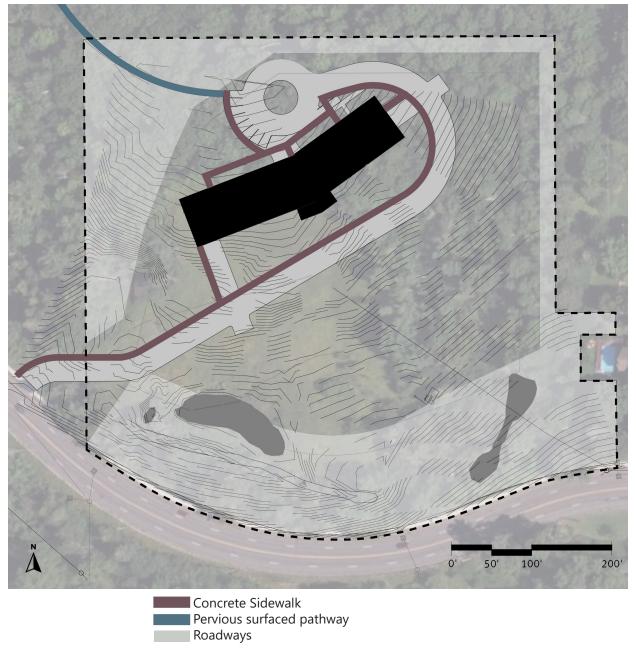
- 1. Trail to Allendale St.
- 2. 20' Setback
- 3. Surface Lot Stalls
- 4. Main Building Entrance
- 5. Entrance to underground parking
- 6. Shoreland Setback

- 7. Proposed Driveway
- 8. Storm Water Retention Pond
- 9. 100' Setback from Woodland Ave. right-of way
- 10. Common Open Space (all light grey)



Circulation Path

The circulation path is indicated below in purple. The private roadway will have a 5' sidewalk up to the development main entry and stair cores. There is currently a sidewalk along Woodland Ave. There will be a path connecting the surface lot to Allendale St. in the NW corner. The collective circulation effectively connects residents to surrounding areas for trasportation and recreation, as well as allowing neighbors to walk through the development site. Trails, sidewalks and roads to be owned and maintained by property owner(s). The road width will be a minimum of 26' and the width of the sidewalk will be a minimum of 5'. There will be a path in the north west connecting Allendale Ave to the sidewalks for pedestrian traffic from the neighboring communities. The development will be accessed from Woodland Ave via an easement across the adjacent parcel to the west.





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Natural Resources Inventory

The majority of road construction will be on previously developed land and it is anticipated there will be minimal natural resources impacted. Half of the building will be situated on a grass field and will minimize impacts to natural resources, the other half will remove the minimum number of trees as possible. A thorough inventory has been conducted to include a tree inventory to include all special trees and trees of interest, wetlands, rock outcrops, and view sheds (see appendices). It will indicate wetlands and significant trees to be protected during construction. The surface lot will also be landscaped to comply with the UDC guidelines. Tree replacement will be conducted in conformance with Sec 50-25.9 of the UDC, tree planting will be prioritized to provide the maximum public or wildlife benefits, such as along trails and sidewalk corridors or near natural habitat areas.





Natural Resources Inventory (cont'd)

A portion of this 8.14 acre parcel falls within the cold river shoreland tributary to Tischer Creek. The building will be situated outside of the 150' structure setback. The only permitted access to the site is via a direct connection to Woodland Ave. A shoreland variance was approved to permit the driveway to encroach into the 75' shoreland setback for impervious surfaces. There is 4.83 acres of the property within the Shoreland. 50% or 2.42 acres will be dedicated as Common Open Space.

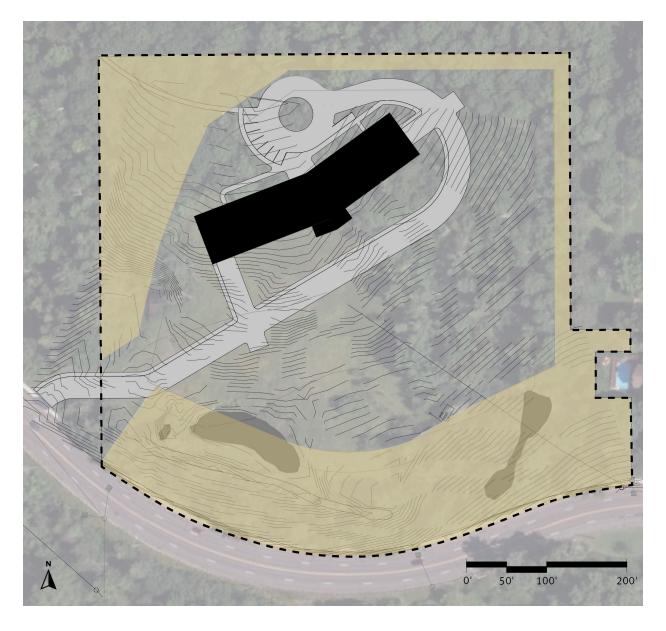




WOODLAND REGULATING PLAN

Common Open spaces

36% of the site will be classified as open space. The development's design will maximize natural vistas and ecological features of the site while also using the existing landscape to screen the mass of the building from the north. The trail connection to Allendale will remain to the north. The open spaces will not include areas within 25' of the building, impervious areas, any area in the public right of way or spaces between buildings and roadways. The two wetland areas will be impacted. The larger one to the west is a man made pond and will be repurposed into a storm water pond. The second, smaller one will be temporarily impacted to construct utilities thru that corridor. All weland impacts will require prior approval in conformance with the Wetland Conservation Act. The common open space will remain naturally vegetated and not mowed or turf grass.



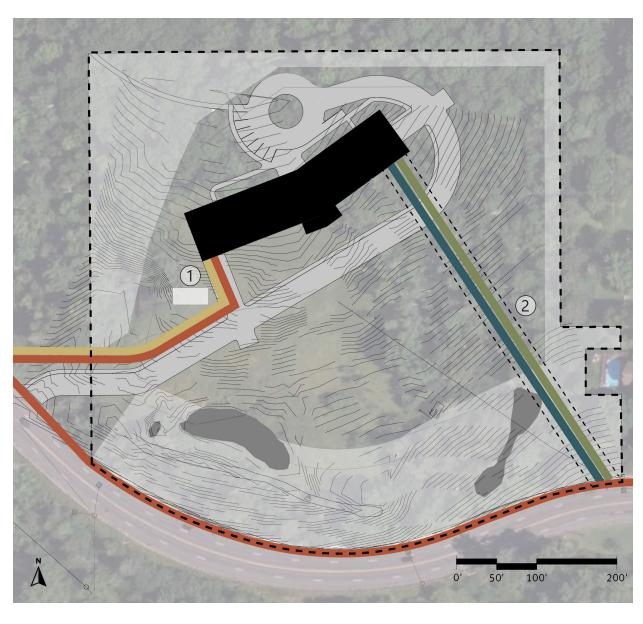
Common open space

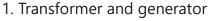


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Utility Plan

The sanitary and water main will follow the existing service lines beginning at the SE corner of the lot. This is the upper limit of utilities in Woodland Ave. The gas and electric will follow the new driveway alignment. The water and sanitary will be public utility mains that will run in a 30' wide utility easement from Woodland Ave NW thru the site, terminating on the north side of the building. The route thru the open space was chosen because this is where the existing utilities are located, will minimize impacts to trees and and maintain a natural buffer on the east site. The impacts in the common open space will be restored by uitilizing the excavated soils for backfilling impacted areas and revegetating with native seed mixes.





2. 30' Utility easement



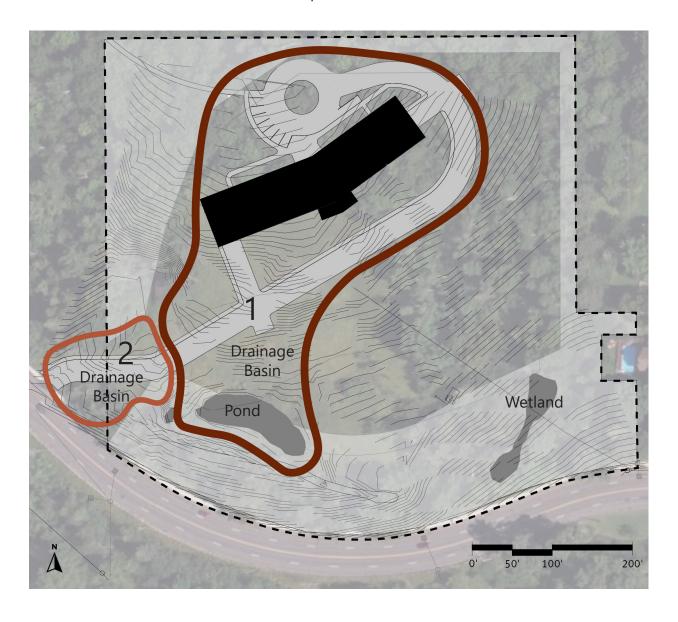
(Private) (Private) (Public) (Public)



Storm Water Management

The storm water management plan will be broken down into two basins. The larger, northern most basin will capture, convey and treat the storm water in a newly constructed storm waterpond. This pond will be located in the a previously dug pond. The second basin is at the SW corner of the site and will capture and treat a small amount of runoff from the lower section of the driveway. This will be treated via a sump catch basin and connected into the county storm sewer on Woodland Ave.

The storm water management program will be designed to meet the storm water standards in the UDC. The site will minimize the potential for temperature increase of stormwater runoff discharged from the project, via filtration and under drains, a proven method for cooling storm water. Rate control will meet the specified 75% of predevelopment peak flow rates for 10 and 100 year events; and 90% of predevelopment peak flow rate for 2 year event. 50% of total suspended solids removal will be met with a combination of sump catch basin & filtration basin.

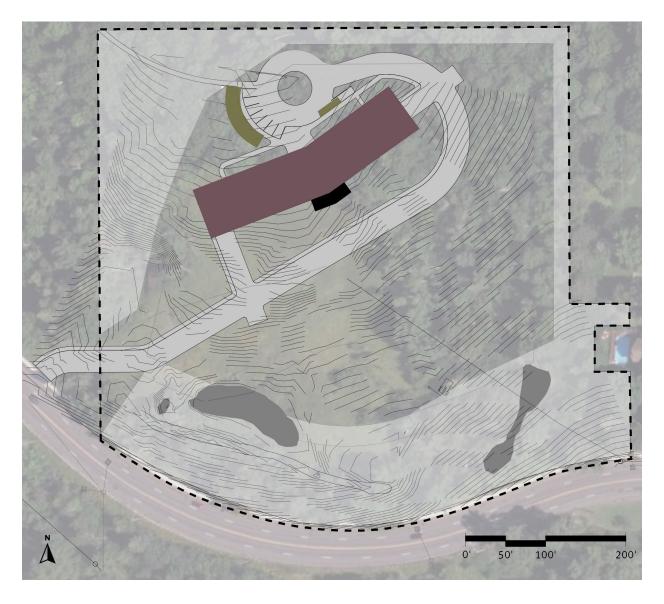


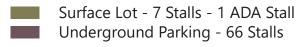


Parking Plan

This project is anticipated to have a parking ration of 2:1 of underground parking in a semi-conditioned garage. There will be visitor stalls north of the building. There will be EV charging stalls in the surface lot and inside the podium. There will be a 10'x30' loading stall east of the roundabout. All parking will comply with UDC standards. Visitor bike parking will be provided infront of the building's main entrance.

Added traffic flows will be directed toward Woodland Ave. The Developer and their team worked closely with St. Louis County and City of Duluth for the preparation of traffic improvements to Woodland Avenue that were recently completed. This includes a concrete median which ends on the west side of the property and a shared center left turn lane. The Duluth City council passed a resolution of municipal consent with the county for this work. The improvements create a better flow of traffic around the nearby S-curve and provide the current development with a safer & more efficient route of transit.







Building Standards - Materials

Acceptable materials include brick, stone, composite siding and cladding, metal panel, glass, with complimentary color choices. Durability, sustainability, and visual harmony are to be considered in selection and use of appropriate materials.

- 1. Metal Roof or Architectural Singles
- 2. Panelized Siding Vertical 8" Exposure
- 3. Panelized Siding Horizontal 8" Exposure
- 4. Guard Rail
- 5. Windows
- 6. Masonry
- 7. Frame Wood-Like Accents
- 8. Wood Fence that meets UDC standards in Sec 50-26

The building height is calculated from the front door to the midpoint of the roof gable. The maximum height allowed is 45".

Building review and permit submittals will include review and approval by the Land Use Supervisor prior to issuance of any construction permits.





Building Standards - Guiding Principles:

Proposed buildings will comply with UDC Chapter 50-30.1

- Buildings to be designed to be viewed from all sides with attention paid to appropriate ornamentation to provide visual interest at the pedestrian scale.
- All building sides include fenestration sufficient to provide visibility into all spaces around buildings.
- Trash will be stored inside buildings.
- All mechanicals to be located within buildings or within screened roof-top spaces. Gas meter banks to be concealed from view with vegetative screening. Transformers and generators will also be screen with vegetation.
- Exterior lighting must be limited to fully-downcast, cutoff fixtures without trespass on neighboring properties and in compliance with Sec 50-31 of the UDC.
- Outlining of building facades and roof lines is not permitted. Building facade lighting and landscape accent lighting permitted.
- The development will adhere to all accessibility standards.
- Facade lengths will not exceeded 80' without projections or recesses.
- Roof-lines extending over 100' will have elevation changes.
- The 3 out of 11 design features to provide visual relief along facades will be; gables, covered porches and recesses/shadow lines as outlinded in UDC section 50-30.1





WOODLAND REGULATING PLAN 16

Phase 2

The south portion of the site will remain undeveloped, with the plan that a possible seperate building might be constructed at a later point. The size, scale and program of the future development is unknown at this point.





Attachments

- Tree Inventory
- Wetland Delineation



+ ASSOCIATES

WWW.SASLANDARCH.COM

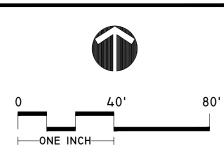
219 WEST FIRST STREET, SUITE 350 DULUTH, MN 55802 (P) 218.391.1335

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ISSUE RECORD/REVISION

MINNESOTA

WOODL TREE IN DULUTH,



SHEET TITLE
TREE INVENTORY

11/1/2021 AMA PROJECT NUMBER 21310

L-I.I

		1	I			I
_	Species White Spruce	Diameter 8.00	UDC Classification Tree of Interest	Northing 3362142.819	Easting 4849878.583	Comment
1	White Spruce	7.10	Tree of Interest	3362146.139	4849884.684	leaning 45 degrees
-	Red Pine Other	10.00 6.25	Tree of Interest	3362142.661 3362140.687	4849880.317 4849900.786	balsam fir
4	White Pine	6.50	Tree of Interest	3362151.675	4849908.939	
_	Other Red Pine	0.00 10.50	Tree of Interest	3362137.261 3362141.730	4849920.012 4849940.993	balsam fir
-	White Spruce	7.00	Tree of Interest	3362131.087 3362125.983	4849935.419	
	Red Pine Red Pine	10.00 6.75	Tree of Interest Tree of Interest	3362125.983	4849949.610 4849944.928	
	Red Pine Red Pine	10.75 10.50	Tree of Interest Tree of Interest	3362121.027 3362123.991	4849951.126 4849949.382	
	Red Pine	11.25	Tree of Interest	3362123.991	4849949.382 4849964.566	
	Red Pine Other	9.50 10.50	Tree of Interest Tree of Interest	3362094.576 3362096.196	4849982.594 4850015.528	balsam poplar
15	Other	21.25	Tree of Interest	3362112.355	4850013.328	boxelder
	Red Pine Red Pine	11.00 9.00	Tree of Interest Tree of Interest	3362087.623 3362062.235	4850028.158 4850048.069	
18	Other	13.50	Tree of Interest	3362062.341	4850053.206	quaking aspen
	Red Pine Red Pine	8.50 8.25	Tree of Interest Tree of Interest	3362059.983 3362051.416	4850114.923 4850130.608	
21	Red Pine	9.00	Tree of Interest	3362045.909	4850139.011	
	White Pine White Spruce	6.75 7.25	Tree of Interest Tree of Interest	3362051.753 3362034.313	4850150.311 4850170.447	
24	Red Pine	9.75	Tree of Interest	3362025.053	4850182.845	
	White Spruce Red Pine	10.25 7.50	Tree of Interest Tree of Interest	3362020.633 3362022.045	4850195.878 4850197.367	
	Red Pine	11.25	Tree of Interest	3362020.602	4850219.149	
	White Spruce Red Pine	9.00 12.50	Tree of Interest Tree of Interest	3362020.255 3362024.230	4850220.578 4850232.307	
	Other	19.25	Tree of Interest	3362032.010	4850306.264	cottonwood
	Other Other	22.50 10.50	Tree of Interest Tree of Interest	3362008.408 3362018.786	4850303.976 4850306.707	cottonwood cottonwood
_	Other	25.50	Tree of Interest	3361991.591		cottonwood
	Other Other	18.25 12.25	Tree of Interest Tree of Interest	3361965.617 3361977.157	4850282.287 4850238.800	boxelder quaking aspen
_	Other Other	11.00 10.75	Tree of Interest Tree of Interest	3362000.800 3361975.864	4850217.371 4850201.428	white birch quaking aspen
38	White Spruce	11.50	Tree of Interest	3362027.824	4850124.916	i i i
	Other Other	10.50 10.50	Tree of Interest Tree of Interest	3362017.444 3362027.619	4850114.536 4850130.238	white birch white birch
41	Other	11.50	Tree of Interest	3362018.706	4850126.943	white birch
	Other Other	11.75 14.00	Tree of Interest Tree of Interest	3362017.723 3361982.730	4850134.283 4850119.402	white birch white birch
44	Other	12.00	Tree of Interest	3362020.365	4850103.739	white birch
	Other Oak	14.50 19.50	Tree of Interest Tree of Interest	3362089.933 3362402.248	4849944.254 4850299.220	white birch red damaged
47	Oak	17.00	Tree of Interest	3362391.480	4850287.079	red
	Oak Basswood	19.20 11.00	Tree of Interest Tree of Interest	3362405.941 3362381.322	4850299.131 4850359.175	red
50	Yellow Birch	11.00	Tree of Interest	3362400.148	4850385.257	
	Sugar Maple Sugar Maple	16.50 13.00	Tree of Interest Tree of Interest	3362473.725 3362487.097	4850392.930 4850385.157	
53	Basswood	13.00	Tree of Interest	3362461.948	4850404.928	
	Basswood Basswood	14.00 18.25	Tree of Interest Tree of Interest	3362467.750 3362460.025	4850394.419 4850403.321	damaged
	Basswood Elm	13.00 7.00	Tree of Interest	3362456.618	4850427.196	
_	Basswood	20.75	Tree of Interest Special Tree > 20"	3362443.963 3362480.436	4850417.678 4850409.790	
	Sugar Maple Basswood	9.00 8.50	Tree of Interest Tree of Interest	3362493.372 3362459.887	4850414.010 4850430.452	
61	Oak	11.50	Tree of Interest	3362465.574	4850428.716	red
	Oak Sugar Maple	15.25 10.75	Tree of Interest Tree of Interest	3362460.177 3362477.462	4850417.991 4850431.749	red
64	Sugar Maple	9.50	Tree of Interest	3362462.728	4850439.377	fused 9.5/8 17.25 base
	Sugar Maple Basswood	6.50 13.75	Tree of Interest Tree of Interest	3362454.435 3362456.791	4850436.236 4850447.096	
67	Basswood	14.50	Tree of Interest	3362460.863	4850479.121	
	Sugar Maple Basswood	9.00 12.00	Tree of Interest Tree of Interest	3362482.688 3362492.735	4850455.874 4850449.604	
70	Basswood	13.00	Tree of Interest	3362494.699	4850448.712	
	Sugar Maple Oak	7.00 19.75	Tree of Interest Tree of Interest	3362480.760 3362460.482	4850477.815 4850475.743	red split trunk 19.75/7.25 26 base
73	Oak	12.00	Tree of Interest	3362459.534	4850466.381	red
	Sugar Maple Sugar Maple	8.75 6.25	Tree of Interest Tree of Interest	3362459.066 3362475.880	4850496.354 4850489.159	8.75/8.5 16 base
76	Elm Elm	7.00 9.00	Tree of Interest Tree of Interest	3362477.296 3362483.355	4850497.442 4850502.683	dead dead
-	Basswood	9.00	Tree of Interest	3362483.355 3362499.828	4850502.683 4850518.986	ucau
	Basswood Sugar Maple	15.00 6.25	Tree of Interest Tree of Interest	3362515.814 3362463.899	4850503.096 4850515.178	
81	Other	11.25	Tree of Interest	3362405.824	4850504.687	quaking aspen
_	Sugar Maple White Spruce	8.50 8.50	Tree of Interest Tree of Interest	3362381.442 3362401.315	4850502.184 4850475.329	
84	Basswood	8.50	Tree of Interest	3362418.710	4850462.261	
	Basswood Basswood	9.75 7.75	Tree of Interest Tree of Interest	3362435.557 3362449.614	4850478.810 4850478.293	broken just above split
87	Basswood	9.00	Tree of Interest	3362451.457	4850444.932	split 9/7.25 11.5 below split
	Basswood Basswood	9.25 7.75	Tree of Interest Tree of Interest	3362434.434 3362436.711	4850438.068 4850447.639	
90	Basswood	8.25	Tree of Interest	3362438.343	4850429.555	
	Basswood Basswood	6.50 9.00	Tree of Interest Tree of Interest	3362436.832 3362424.510	4850424.038 4850427.608	
93	Sugar Maple	6.50	Tree of Interest	3362417.520	4850447.051	
	Basswood Sugar Maple	6.75 6.25	Tree of Interest Tree of Interest	3362399.336 3362395.119	4850451.624 4850435.206	
96	Basswood	7.00	Tree of Interest	3362380.139	4850432.464	[
367110	Other Basswood	12.00 8.50	Tree of Interest Tree of Interest	3362374.601 3362392.268	4850442.335 4850403.908	black ash fused 8.5/7.5 13.5 base
	White Spruce	8.00	Tree of Interest	3362391.411	4850425.972	
TOU	Basswood Basswood	11.50 11.00	Tree of Interest Tree of Interest	3362408.659 3362411.652	4850412.437 4850411.653	
		8.50	Tree of Interest	3362408.793	4850421.972	
101 102	Basswood	10.00	Tree of Interest	3362425.419 3362422.155	4850401.468 4850409.052	
101 102 103 104	Basswood Sugar Maple Sugar Maple	12.50 6.00	Tree of Interest	OOOL ILLIAD		
101 102 103 104 105	Basswood Sugar Maple Sugar Maple Sugar Maple	6.00 6.50	Tree of Interest	3362429.231	4850407.788	
101 102 103 104 105 106 107	Basswood Sugar Maple Sugar Maple Sugar Maple Basswood Other	6.00 6.50 6.50 12.00	Tree of Interest Tree of Interest Tree of Interest	3362429.231 3362402.728 3362367.821	4850407.788 4850387.379 4850377.533	quaking aspen
101 102 103 104 105 106 107	Basswood Sugar Maple Sugar Maple Sugar Maple Basswood Other Basswood	6.00 6.50 6.50 12.00 11.50	Tree of Interest Tree of Interest Tree of Interest Tree of Interest	3362429.231 3362402.728 3362367.821 3362375.556	4850407.788 4850387.379 4850377.533 4850357.918	fused 11.5/8.5 17 base
101 102 103 104 105 106 107 108 109 110	Basswood Sugar Maple Sugar Maple Sugar Maple Basswood Other Basswood Oak Other	6.00 6.50 6.50 12.00 11.50 7.00 10.25	Tree of Interest	3362429.231 3362402.728 3362367.821 3362375.556 3362350.233 3362294.790	4850407.788 4850387.379 4850377.533 4850357.918 4850353.145 4850320.226	fused 11.5/8.5 17 base fused 7/6.25 12 base quaking aspen
101 102 103 104 105 106 107 108 109 110	Basswood Sugar Maple Sugar Maple Sugar Maple Basswood Other Basswood Oak Other	6.00 6.50 6.50 12.00 11.50 7.00 10.25 10.75	Tree of Interest	3362429.231 3362402.728 3362367.821 3362375.556 3362350.233 3362294.790 3362280.902	4850407.788 4850387.379 4850377.533 4850357.918 4850353.145 4850320.226 4850303.355	fused 11.5/8.5 17 base fused 7/6.25 12 base quaking aspen quaking aspen
101 102 103 104 105 106 107 108 109 110 111 112 113	Basswood Sugar Maple Sugar Maple Sugar Maple Basswood Other Basswood Oak Other Other Other	6.00 6.50 6.50 12.00 11.50 7.00 10.25 10.75 14.50 12.75	Tree of Interest	3362429.231 3362402.728 3362367.821 3362375.556 3362350.233 3362294.790 3362280.902 3362271.544 3362253.765	4850407.788 4850387.379 4850377.533 4850357.918 4850353.145 4850320.226 4850303.355 4850341.546 4850351.139	fused 11.5/8.5 17 base fused 7/6.25 12 base quaking aspen quaking aspen quaking aspen quaking aspen quaking aspen
101 102 103 104 105 106 107 108 109 110 111 112 113 114	Basswood Sugar Maple Sugar Maple Sugar Maple Basswood Other Basswood Oak Other Other	6.00 6.50 6.50 12.00 11.50 7.00 10.25 10.75 14.50	Tree of Interest	3362429.231 3362402.728 3362367.821 3362375.556 3362350.233 3362294.790 3362280.902 3362271.544	4850407.788 4850387.379 4850377.533 4850357.918 4850353.145 4850320.226 4850303.355 4850341.546	fused 11.5/8.5 17 base fused 7/6.25 12 base quaking aspen quaking aspen quaking aspen
101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116	Basswood Sugar Maple Sugar Maple Sugar Maple Basswood Other Basswood Oak Other Other Other Other	6.00 6.50 6.50 12.00 11.50 7.00 10.25 10.75 14.50 12.75 13.75	Tree of Interest	3362429.231 3362402.728 3362367.821 3362375.556 3362350.233 3362294.790 3362280.902 3362271.544 3362253.765 3362233.769	4850407.788 4850387.379 4850377.533 4850357.918 4850353.145 4850320.226 4850303.355 4850341.546 4850351.139 4850338.211	fused 11.5/8.5 17 base fused 7/6.25 12 base quaking aspen quaking aspen quaking aspen quaking aspen quaking aspen quaking aspen

117 Other 12.25 Tree of Interest 3362347.729 4850406.888 quaking aspen

118	Yellow Birch	10.75	Tree of Interest	3362333.991	4850434.223	
	Basswood	7.50	Tree of Interest	3362380.121	4850441.137	
	Other	10.75	Tree of Interest	3362381.549	4850464.782	quaking aspen
	Sugar Maple Other	12.00	Tree of Interest Tree of Interest	3362348.296	4850452.368	guaking acnon
	Oak	10.50 12.50	Tree of Interest	3362365.977 3362357.790	4850478.237 4850472.467	quaking aspen red
	Sugar Maple	6.50	Tree of Interest	3362380.297	4850501.606	100
125	Other	10.50	Tree of Interest	3362401.133	4850505.920	quaking aspen
	Basswood	10.50	Tree of Interest	3362369.229	4850508.143	fused 10.5/9.5 20 base
	Other Sugar Maple	13.50 7.25	Tree of Interest Tree of Interest	3362362.418 3362348.209	4850503.927 4850515.504	quaking aspen
	Other	11.50	Tree of Interest	3362362.177	4850470.699	quaking aspen
200	Yellow Birch	7.00	Tree of Interest	3362339.623	4850463.353	quantily aspert
	Sugar Maple	7.00	Tree of Interest	3362333.204	4850455.841	
	Basswood	10.50	Tree of Interest	3362331.540	4850440.937	
A. Stranger	Other Other	11.50	Tree of Interest Tree of Interest	3362315.419	4850442.386	quaking aspen
	Other	10.25 13.00	Tree of Interest	3362316.655 3362288.650	4850448.503 4850450.764	quaking aspen quaking aspen
	White Spruce	12.50	Tree of Interest	3362275.623	4850461.245	qualiting aspen
	Other	10.50	Tree of Interest	3362283.068	4850442.155	quaking aspen
	Other	12.00	Tree of Interest	3362278.406	4850434.149	quaking aspen
	White Spruce Other	11.75 15.00	Tree of Interest Tree of Interest	3362269.579 3362267.008	4850408.080 4850400.164	quaking aspen
	Other	12.50	Tree of Interest	3362225.839	4850384.924	quaking aspen
142	White Spruce	8.25	Tree of Interest	3362206.379	4850399.380	1 0 1
_	Other	10.75	Tree of Interest	3362192.325	4850401.716	white birch
	Other	16.00	Tree of Interest	3362183.478	4850402.966	white birch
	White Spruce Other	16.50 11.00	Tree of Interest Tree of Interest	3362217.609 3362222.376	4850462.528 4850473.829	white birch split 11/9.5 19.25
	Other	10.25	Tree of Interest	3362278.408	4850505.468	quaking aspen
	Other	13.75	Tree of Interest	3362302.461	4850488.795	quaking aspen
	Other	13.50	Tree of Interest	3362298.984	4850492.264	quaking aspen
	Other	11.50	Tree of Interest	3362276.702	4850519.038	quaking aspen
SEZ PERM	Other Other	10.75 11.50	Tree of Interest Tree of Interest	3362265.740 3362232.777	4850499.902 4850498.862	quaking aspen
10000	Other	15.25	Tree of Interest	3362236.051	4850498.862 4850500.188	green ash white birch
	Other	13.00	Tree of Interest	3362231.142	4850495.545	white birch
155	White Spruce	10.25	Tree of Interest	3362199.771	4850481.548	
	Other	10.50	Tree of Interest	3362185.703	4850485.505	white birch
_	Basswood White Spruce	16.50 15.75	Tree of Interest Tree of Interest	3362195.114 3362167.842	4850509.195 4850482.321	fused 16.5/8.5 22.75 base
	White Spruce	5.25	Tree of Interest	3362167.842	4850482.321	
160	White Spruce	8.50	Tree of Interest	3362160.592	4850498.736	
	White Spruce	12.00	Tree of Interest	3362152.034	4850503.237	
	White Spruce	12.50	Tree of Interest	3362143.345	4850497.379	
	Basswood Basswood	9.00 8.75	Tree of Interest Tree of Interest	3362124.966 3362117.084	4850521.873 4850523.909	
	Basswood	9.75	Tree of Interest	3362108.593	4850523.054	
	Basswood	6.50	Tree of Interest	3362103.612	4850517.932	
167	Sugar Maple	11.00	Tree of Interest	3362139.167	4850547.868	
	Sugar Maple	10.50	Tree of Interest	3362147.571	4850553.400	
	White Spruce Basswood	11.00 9.25	Tree of Interest Tree of Interest	3362078.514 3362073.668	4850537.982 4850545.664	
	Sugar Maple	10.50	Tree of Interest	3362075.668	4850557.840	
	White Spruce	21.00	Special Tree > 20"	3362090.696	4850581.189	
17 3	Sugar Maple	9.75	Tree of Interest	3362071.428	4850583.589	
	Sugar Maple	7.75	Tree of Interest	3362072.700	4850585.517	
	Other Other	27.50 26.00	Tree of Interest Tree of Interest	3362048.484 3362047.891	4850558.010 4850556.728	cottonwood
	Other	21.50	Tree of Interest	3362050.955	4850560.992	cottonwood
	Other	26.75	Tree of Interest	3362049.719	4850557.646	cottonwood
179	Sugar Maple	6.00	Tree of Interest	3362055.131	4850541.473	
	White Spruce	8.00	Tree of Interest	3362053.139	4850535.516	
	Sugar Maple	13.50	Tree of Interest	3362048.659	4850528.481	
	Sugar Maple Sugar Maple	10.25 7.50	Tree of Interest Tree of Interest	3362063.074 3362050.057	4850532.493 4850508.504	
	Sugar Maple	8.00	Tree of Interest	3362050.907	4850498.639	
	White Pine	29.50	Special Tree > 20"	3362079.828	4850494.938	
	White Spruce	18.00	Tree of Interest	3362068.499	4850461.088	
	White Spruce	10.00	Tree of Interest	3362054.327	4850464.028	
	Sugar Maple Sugar Maple	10.00 7.75	Tree of Interest Tree of Interest	3362045.698 3362048.771	4850479.621 4850468.089	
	White Pine	22.50	Special Tree > 20"	3362112.834	4850431.399	
	White Spruce	7.00	Tree of Interest	3362113.094	4850412.786	
	Red Pine	17.50	Tree of Interest	3362138.512	4850391.260	
	White Pine	11.75	Tree of Interest	3362137.919	4850372.196	mbia- Lint
	Other White Spruce	10.75 12.75	Tree of Interest Tree of Interest	3362076.412 3362074.718	4850368.539 4850372.664	white birch
	Other	10.25	Tree of Interest	3362074.718	4850372.664	white birch
	White Spruce	7.50	Tree of Interest	3362081.274	4850382.823	
	White Spruce	13.00	Tree of Interest	3362069.602	4850366.237	
	Other	13.50	Tree of Interest	3362027.956	4850379.652	white birch
	Basswood Basswood	14.00 16.00	Tree of Interest Tree of Interest	3362021.205 3362019.555	4850411.011 4850396.008	topped damaged
	White Pine	22.75	Special Tree > 20"	3362027.143	4850364.689	- проставницей
203	Sugar Maple	6.25	Tree of Interest	3362001.522	4850360.816	
	Sugar Maple	6.25	Tree of Interest	3361989.864	4850350.708	
	Sugar Maple Other	7.50	Tree of Interest Tree of Interest	3361982.913	4850321.257 4850341.289	white hireh
	White Pine	10.50 15.50	Tree of Interest	3362071.267 3362085.723	4850341.289 4850337.128	white birch white birch
	White Spruce	7.50	Tree of Interest	3362192.205	4849867.485	
209	White Spruce	10.00	Tree of Interest	3362190.507	4849883.116	
	White Spruce	7.00	Tree of Interest	3362197.455	4849888.781	
	White Spruce White Spruce	9.50 9.00	Tree of Interest Tree of Interest	3362193.775 3362194.691	4849896.238 4849903.433	
	Other	10.00	Tree of Interest	3362202.388	4849899.410	white birch
	Oak	10.00	Tree of Interest	3362202.706	4849919.138	
	White Spruce	6.00	Tree of Interest	3362197.021	4849916.811	
	Basswood White Pine	15.00	Tree of Interest	3362252.487	4849947.348	
	White Pine White Pine	28.00 28.50	Special Tree > 20" Special Tree > 20"	3362251.110 3362276.824	4849941.962 4849933.574	
	White Pine	16.50	Tree of Interest	3362282.239	4849948.680	
	White Pine	16.00	Tree of Interest	3362322.936	4849937.797	
	White Pine	11.75	Tree of Interest	3362326.368	4849932.907	
	White Pine	17.00	Tree of Interest	3362349.988	4849922.925	
777	Other Other	14.50 14.50	Tree of Interest Tree of Interest	3362328.210 3362336.200	4849946.463 4849960.490	quaking aspen
	Other	12.50	Tree of Interest	3362336.200	4849960.490 4849987.071	quaking aspen quaking aspen
224	White Pine	22.00	Special Tree > 20"	3362326.084	4850012.496	
224 225	The second secon	17.50	Tree of Interest	3362329.600	4850014.328	quaking aspen
224 225 226	Other	23.00	Special Tree > 20"	3362379.705	4849996.652	red oak
224 225 226 227 228	Oak	1		3362400.971	4850009.597	red
224 225 226 227 228 229	Oak Oak	24.00	Special Tree > 20"	2252204 407	1000000 000	rod
224 225 226 227 228 229 230	Oak Oak Oak	24.00 22.50	Special Tree > 20"	3362381.187 3362380.862	4850023.572 4850031.850	red mostly dead
224 225 226 227 228 229 230 231	Oak Oak	24.00		3362381.187 3362380.862 3362405.037	4850023.572 4850031.850 4850046.082	red mostly dead red mostly dead
224 225 226 227 228 229 230 231 232	Oak Oak Oak Sugar Maple Oak Yellow Birch	24.00 22.50 13.00 15.00 27.00	Special Tree > 20" Tree of Interest Tree of Interest Tree of Interest	3362380.862 3362405.037 3362447.686	4850031.850 4850046.082 4850007.266	mostly dead red mostly dead mostly dead
224 225 226 227 228 229 230 231 232 233	Oak Oak Oak Sugar Maple Oak	24.00 22.50 13.00 15.00	Special Tree > 20" Tree of Interest Tree of Interest	3362380.862 3362405.037	4850031.850 4850046.082	mostly dead red mostly dead

39 Suga 40 Suga 41 Suga 42 Bass 43 Oak 44 Oak 45 Oak 46 Oak 47 Oak 48 Bass 49 Oak 50 Oak 51 Oak 52 Oak 53 Bass 54 Oak 55 Oak 56 Oak 57 Oak 58 Oak 59 Oak 50 Oak <th>ak ak asswood ak ak</th> <th>aple 8.00 aple 9.00 aple 9.00 aple 9.00 aple 7.50 9.75 19.75 18.25 16.50 abd 17.50 16.75 17.50 13.00 abd 17.00 15.00 14.00 12.50 16.00 12.50 16.50 16.50 17.50 16.50 16.50 17.50 16.50 17.50 16.50 17.50 17.50 18.25 19.75 19.75 19.75 19.75 19.75 19.75 19.75 10.00 10.</th> <th>Tree of Interest Tree of Interest</th> <th>3362450.976 3362448.129 3362471.196 3362467.647 3362450.482 3362464.484 3362484.860 3362503.987 3362516.091 3362517.694 3362532.187 3362504.183 3362497.904 3362550.495 3362564.429 3362564.429 3362563.257 3362563.787 3362563.787 3362564.286 3362492.197 3362467.710 3362446.636 3362438.983 3362423.129</th> <th>4849940.630 4849944.998 4849958.692 4849968.682 4849971.897 4849991.261 4849979.192 4849977.11 4849970.137 4849975.611 4849975.611 4849953.116 4849953.886 4849958.855 4849941.557 4849964.029 4849964.029 4849964.029 4849964.029 4849964.033 4850011.292 4850027.833 4850018.577 4850031.690</th> <th>red red red red red red red red red red</th>	ak ak asswood ak	aple 8.00 aple 9.00 aple 9.00 aple 9.00 aple 7.50 9.75 19.75 18.25 16.50 abd 17.50 16.75 17.50 13.00 abd 17.00 15.00 14.00 12.50 16.00 12.50 16.50 16.50 17.50 16.50 16.50 17.50 16.50 17.50 16.50 17.50 17.50 18.25 19.75 19.75 19.75 19.75 19.75 19.75 19.75 10.00 10.	Tree of Interest	3362450.976 3362448.129 3362471.196 3362467.647 3362450.482 3362464.484 3362484.860 3362503.987 3362516.091 3362517.694 3362532.187 3362504.183 3362497.904 3362550.495 3362564.429 3362564.429 3362563.257 3362563.787 3362563.787 3362564.286 3362492.197 3362467.710 3362446.636 3362438.983 3362423.129	4849940.630 4849944.998 4849958.692 4849968.682 4849971.897 4849991.261 4849979.192 4849977.11 4849970.137 4849975.611 4849975.611 4849953.116 4849953.886 4849958.855 4849941.557 4849964.029 4849964.029 4849964.029 4849964.029 4849964.033 4850011.292 4850027.833 4850018.577 4850031.690	red
41 Suga 42 Bass 43 Oak 44 Oak 45 Oak 46 Oak 47 Oak 48 Bass 49 Oak 50 Oak 51 Oak 52 Oak 53 Bass 54 Oak 55 Oak 56 Oak 57 Oak 58 Oak 59 Oak 60 Pall 61 Oak 62 Oak 63 Oak 64 Oak 65 Bass 67 Oak 68 Bass 69 Oak 60 Oak 61 Oak 62 Oak 63 Oak 64 Oak 65 Oak <th>gar Maple ssswood gar Maple sk sk sk sk sswood sk sk</th> <th>aple 9.00 aple 7.50 aple 7.50 9.75 19.75 18.25 16.50 ad 8.00 17.50 16.75 17.50 13.00 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 16.50 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50</th> <th>Tree of Interest Tree of Interest</th> <th>3362467.647 3362450.482 3362464.484 3362484.860 3362480.457 3362503.987 3362516.091 3362517.694 3362532.187 3362504.183 3362497.904 3362550.495 3362543.954 3362564.429 3362563.787 336256.804 3362594.286 3362492.197 3362467.710 3362446.636 3362438.983 3362423.129</th> <th>4849968.682 4849971.897 4849998.778 4849991.261 4849979.192 4849970.137 4849975.611 4849975.611 4849953.116 4849953.886 4849958.855 4849941.557 4849966.286 4849964.029 4849964.133 4850002.404 4849999.000 4850011.292 4850027.833 4850018.577</th> <th>red red red red red red red red red fused 13 / 11 21.5 base red red red red red red red red red fused 16/16.25 30 base red fused 12.5/12.5 21 base</th>	gar Maple ssswood gar Maple sk sk sk sk sswood sk	aple 9.00 aple 7.50 aple 7.50 9.75 19.75 18.25 16.50 ad 8.00 17.50 16.75 17.50 13.00 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 16.50 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50	Tree of Interest	3362467.647 3362450.482 3362464.484 3362484.860 3362480.457 3362503.987 3362516.091 3362517.694 3362532.187 3362504.183 3362497.904 3362550.495 3362543.954 3362564.429 3362563.787 336256.804 3362594.286 3362492.197 3362467.710 3362446.636 3362438.983 3362423.129	4849968.682 4849971.897 4849998.778 4849991.261 4849979.192 4849970.137 4849975.611 4849975.611 4849953.116 4849953.886 4849958.855 4849941.557 4849966.286 4849964.029 4849964.133 4850002.404 4849999.000 4850011.292 4850027.833 4850018.577	red red red red red red red red red fused 13 / 11 21.5 base red red red red red red red red red fused 16/16.25 30 base red fused 12.5/12.5 21 base
42 Bass 43 Suga 44 Oak 45 Oak 46 Oak 47 Oak 48 Bass 49 Oak 50 Oak 51 Oak 52 Oak 53 Bass 54 Oak 55 Oak 56 Oak 57 Oak 58 Oak 59 Oak 60 Bass 60 Oak 60 Oak 60 Oak 60 Oak 60 Oak 60 Oak	sswood gar Maple ak	aple 7.50 9.75 19.75 18.25 16.50 16.50 16.75 17.50 16.75 17.50 13.00 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 13.50 14.50 15.50 16.50 16.50 16.50 16.50 17.50 16.50 16.50 16.50 17.50 16.50 16.50 16.50 17.50 16.50 16.50 17.50 16.50 17.50 16.50 17.50 16.50 17.50 16.50 17.50 16.50 17.50 18.50 19.50 19.50 19.50 19.50 19.50 19.50 19.50 19.50 19.50 19.50 19.50 19.50 19.50	Tree of Interest	3362450.482 3362464.484 3362484.860 3362480.457 3362503.987 3362516.091 3362517.694 3362532.187 3362504.183 3362497.904 3362550.495 3362543.954 3362564.429 3362563.257 3362563.257 3362563.257 3362492.197 3362496.20 3362492.197 3362446.636 3362438.983 3362423.129	4849971.897 4849998.778 4849991.261 4849979.192 4849987.711 4849975.611 4849975.611 4849953.116 4849953.886 4849958.855 4849941.557 4849966.286 4849964.029 4849964.133 4850002.404 4849999.000 4850011.292 4850018.577	red red red red red red red red red fused 13 / 11 21.5 base red red red red red red red red red fused 16/16.25 30 base red fused 12.5/12.5 21 base
44 Oak 45 Oak 46 Oak 47 Oak 48 Bass 49 Oak 50 Oak 51 Oak 52 Oak 53 Bass 54 Oak 55 Oak 56 Oak 57 Oak 58 Oak 59 Oak 60 Oak 61 Bass 62 Oak 63 Oak 64 Oak 65 Oak 66 Bass 67 Oak 68 Bass 69 Oak 70 Oak	ak a	9.75 19.75 18.25 16.50 16.75 17.50 16.75 17.50 13.00 15.00 14.00 12.50 16.00 12.50 14.00 12.50 16.50 7.50 16.50 7.50 16.50 7.50 16.50 7.50 16.50 7.50 16.50 11.50	Tree of Interest	3362484.860 3362480.457 3362503.987 3362516.091 3362517.694 3362532.187 3362504.183 3362497.904 3362550.495 3362543.954 3362564.429 3362583.257 3362553.787 3362564.286 3362492.197 3362467.710 3362446.636 3362454.460 3362438.983 3362423.129	4849991.261 4849979.192 4849987.711 4849970.137 4849975.611 4849953.116 4849953.886 4849958.855 4849941.557 4849966.286 4849953.982 4849964.029 4849964.133 4850002.404 4849999.000 4850011.292 4850027.833 4850018.577	red red red red red red red red red fused 13 / 11 21.5 base red red red red red red red red red fused 16/16.25 30 base red fused 12.5/12.5 21 base
45 Oak 46 Oak 47 Oak 48 Bass 49 Oak 50 Oak 51 Oak 52 Oak 53 Oak 54 Oak 55 Oak 56 Oak 57 Oak 58 Oak 59 Oak 60 Oak 61 Bass 62 Oak 63 Oak 64 Oak 65 Oak 66 Bass 67 Oak 68 Oak 70 Oak 71 Oak 72 Oak 73 Bass 74 Oak 75 Oak 76 Oak 77 Oak 78 Oak 79 Oak	ak ak asswood ak	19.75 18.25 16.50 16.50 16.75 17.50 13.00 15.00 14.00 12.50 16.00 12.50 14.00 12.50 16.50 7.50 16.50	Tree of Interest	3362480.457 3362503.987 3362516.091 3362517.694 3362532.187 3362504.183 3362497.904 3362550.495 3362543.954 3362564.429 3362583.257 3362553.787 3362526.804 3362492.197 3362467.710 3362446.636 3362454.460 3362438.983 3362423.129	4849979.192 4849987.711 4849970.137 4849975.611 4849953.116 4849953.886 4849958.855 4849941.557 4849966.286 4849953.982 4849964.029 4849964.133 4850002.404 4849999.000 4850011.292 4850027.833 4850018.577	red red red red red red red red red fused 13 / 11 21.5 base red red red red red red red red red fused 16/16.25 30 base red fused 12.5/12.5 21 base
47 Oak 48 Bass 49 Oak 50 Oak 51 Oak 52 Oak 53 Oak 54 Oak 55 Oak 56 Oak 57 Oak 59 Oak 60 Pello 61 Bass 62 Oak 63 Oak 64 Oak 65 Oak 66 Bass 67 Oak 68 Bass 69 Oak 70 Oak <td>sk ssswood sk sk sk sk sk sswood sk sswood sk sk sk sk sk sk sk sk sk sswood sk sswood</td> <th>16.50 ad 8.00 17.50 16.75 17.50 13.00 13.00 15.00 14.00 12.50 16.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 13.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 17.50 16.50 16.50 17.50 16.50 17.50 16.50 17.50 16.50 17.50 16.50 17.50 18.50 19.0</th> <td>Tree of Interest Tree of Interest</td> <td>3362516.091 3362517.694 3362532.187 3362504.183 3362497.904 3362550.495 3362543.954 3362564.429 3362553.787 3362553.787 3362526.804 3362499.620 3362492.197 3362467.710 3362446.636 3362438.983 3362433.983</td> <td>4849970.137 4849975.611 4849953.116 4849963.886 4849958.855 4849941.557 4849966.286 4849953.982 4849964.133 4850002.404 4849999.000 4850011.292 4850017.833 4850018.577</td> <td>red red red red fused 13 / 11 21.5 base red red red red red red red red red fused 16/16.25 30 base red fused 12.5/12.5 21 base</td>	sk ssswood sk sk sk sk sk sswood sk sswood sk sk sk sk sk sk sk sk sk sswood	16.50 ad 8.00 17.50 16.75 17.50 13.00 13.00 15.00 14.00 12.50 16.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 13.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 17.50 16.50 16.50 17.50 16.50 17.50 16.50 17.50 16.50 17.50 16.50 17.50 18.50 19.0	Tree of Interest	3362516.091 3362517.694 3362532.187 3362504.183 3362497.904 3362550.495 3362543.954 3362564.429 3362553.787 3362553.787 3362526.804 3362499.620 3362492.197 3362467.710 3362446.636 3362438.983 3362433.983	4849970.137 4849975.611 4849953.116 4849963.886 4849958.855 4849941.557 4849966.286 4849953.982 4849964.133 4850002.404 4849999.000 4850011.292 4850017.833 4850018.577	red red red red fused 13 / 11 21.5 base red red red red red red red red red fused 16/16.25 30 base red fused 12.5/12.5 21 base
48 Bass 49 Oak 50 Oak 51 Oak 52 Oak 53 Bass 54 Oak 55 Oak 56 Oak 57 Oak 58 Oak 59 Oak 60 Pass 62 Oak 63 Oak 64 Oak 65 Oak 66 Bass 67 Oak 68 Bass 69 Oak 70 Oak 71 Oak 72 Oak 73 Bass 74 Oak 75 Bass 76 Oak 77 Oak 78 Oak 79 Oak 70 Oak 70 Oak 70 Oak <td>sswood ak ak</td> <th>d 8.00 17.50 16.75 17.50 13.00 15.00 14.00 12.50 16.00 12.50 14.00 12.50 16.50 7.50 16.50 7.50 16.50 13.50 11.50</th> <td>Tree of Interest Tree of Interest</td> <td>3362517.694 3362532.187 3362504.183 3362497.904 3362550.495 3362543.954 3362564.429 3362583.257 3362553.787 3362526.804 3362492.197 3362492.197 3362467.710 3362446.636 3362438.983 3362438.983 3362423.129</td> <td>4849975.611 4849953.116 4849963.886 4849958.855 4849941.557 4849966.286 4849953.982 4849964.029 4849964.133 4850002.404 4849999.000 4850011.292 4850027.833 4850018.577</td> <td>red red red fused 13 / 11 21.5 base red red red red red red red red red fused 16/16.25 30 base red fused 12.5/12.5 21 base</td>	sswood ak	d 8.00 17.50 16.75 17.50 13.00 15.00 14.00 12.50 16.00 12.50 14.00 12.50 16.50 7.50 16.50 7.50 16.50 13.50 11.50	Tree of Interest	3362517.694 3362532.187 3362504.183 3362497.904 3362550.495 3362543.954 3362564.429 3362583.257 3362553.787 3362526.804 3362492.197 3362492.197 3362467.710 3362446.636 3362438.983 3362438.983 3362423.129	4849975.611 4849953.116 4849963.886 4849958.855 4849941.557 4849966.286 4849953.982 4849964.029 4849964.133 4850002.404 4849999.000 4850011.292 4850027.833 4850018.577	red red red fused 13 / 11 21.5 base red red red red red red red red red fused 16/16.25 30 base red fused 12.5/12.5 21 base
49 Oak 50 Oak 51 Oak 52 Oak 53 Bass 54 Oak 55 Oak 56 Oak 57 Oak 58 Oak 59 Oak 60 Yello 61 Bass 62 Oak 63 Oak 64 Oak 65 Oak 66 Bass 67 Oak 68 Bass 69 Oak 70 Oak 71 Oak 72 Oak 73 Bass 74 Oak 75 Bass 76 Oak 77 Oak 78 Oak 79 Oak 70 Oak 70 Oak 70 Oak </td <td>ak ak ak ak ak asswood ak ak ak ak ak ak ak ak alk alk alk alk</td> <th>17.50 16.75 17.50 13.00 13.00 15.00 14.00 12.50 16.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.50 12.50 12.50 12.50 13.50 13.50 13.00 11.00 14.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50</th> <td>Tree of Interest Tree of Interest</td> <td>3362532.187 3362504.183 3362497.904 3362550.495 3362543.954 3362564.429 3362583.257 3362553.787 3362526.804 3362499.620 3362492.197 3362467.710 3362446.636 3362454.460 3362454.460 3362438.983 3362423.129</td> <td>4849953.116 4849963.886 4849958.855 4849941.557 4849966.286 4849953.982 4849964.029 4849964.133 4850002.404 4849999.000 4850011.292 4850027.833 4850018.577</td> <td>red fused 13 / 11 21.5 base red red red red red red fused 16/16.25 30 base red fused 12.5/12.5 21 base</td>	ak ak ak ak ak asswood ak ak ak ak ak ak ak ak alk alk alk alk	17.50 16.75 17.50 13.00 13.00 15.00 14.00 12.50 16.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.50 12.50 12.50 12.50 13.50 13.50 13.00 11.00 14.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50	Tree of Interest	3362532.187 3362504.183 3362497.904 3362550.495 3362543.954 3362564.429 3362583.257 3362553.787 3362526.804 3362499.620 3362492.197 3362467.710 3362446.636 3362454.460 3362454.460 3362438.983 3362423.129	4849953.116 4849963.886 4849958.855 4849941.557 4849966.286 4849953.982 4849964.029 4849964.133 4850002.404 4849999.000 4850011.292 4850027.833 4850018.577	red fused 13 / 11 21.5 base red red red red red red fused 16/16.25 30 base red fused 12.5/12.5 21 base
51 Oak 52 Oak 53 Bass 54 Oak 55 Oak 56 Oak 57 Oak 58 Oak 59 Oak 60 Pello 61 Bass 62 Oak 63 Oak 64 Oak 65 Bass 67 Oak 68 Bass 69 Oak 70 Oak 71 Oak 72 Oak 73 Bass 74 Bass 75 Bass 76 Oak 77 Oak 78 Oak 79 Oak 80 Oak 81 Oak 82 Oak 83 Oak 84 Oak 85 Oak <	sk sswood sk sswood sk sswood ssswood ssswood sgar Maple	17.50 13.00 15.00 15.00 14.00 12.50 16.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 13.50 16.50 7.50 16.50 7.50 16.50 11.50 13.00 11.00 14.50 13.50 13.50 14.50 13.50 14.50 13.50 14.50 15.50 16.50 17.50 16.50 17.50 18.50 19.50 19.50 19.50 19.50 19.50 19.50 19.50 19.50 19.50 19.50 19.50 19.50 19.50 19.50 19.50 19.50	Tree of Interest	3362497.904 3362550.495 3362543.954 3362564.429 3362583.257 3362553.787 3362553.787 3362526.804 3362499.620 3362492.197 3362467.710 3362446.636 3362454.460 3362438.983 3362423.129	4849958.855 4849941.557 4849966.286 4849953.982 4849964.029 4849964.133 4850002.404 4849999.000 4850011.292 4850027.833 4850018.577	red fused 13 / 11 21.5 base red red red red fused 16/16.25 30 base red fused 12.5/12.5 21 base
52 Oak 53 Bass 54 Oak 55 Oak 56 Oak 57 Oak 58 Oak 59 Oak 60 Yello 61 Bass 62 Oak 63 Oak 64 Oak 65 Oak 66 Bass 67 Oak 68 Bass 69 Oak 70 Oak 71 Oak 72 Oak 73 Bass 74 Oak 75 Bass 76 Oak 77 Oak 78 Oak 79 Oak 70 Oak 70 Oak 70 Oak 70 Oak 70 Oak 70 Oak </td <td>sk sswood sk sk sk sswood sk sk sk sswood sk sk sswood sk sswood sk sswood sk sswood sk sswood ssswood ssswood ssswood sgar Maple</td> <th>13.00 17.00 15.00 14.00 12.50 16.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 16.50 7.50 16.50 7.50 16.50 11.50 13.00 11.00 14.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50</th> <td>Tree of Interest Tree of Interest</td> <td>3362550.495 3362543.954 3362564.429 3362583.257 3362553.787 3362526.804 3362594.286 3362499.620 3362492.197 3362467.710 3362446.636 3362454.460 3362438.983 3362423.129</td> <td>4849941.557 4849966.286 4849953.982 4849964.029 4849964.133 4850002.404 4849999.000 4850011.292 4850027.833 4850018.577</td> <td>red red red red red red fused 16/16.25 30 base red fused 12.5/12.5 21 base</td>	sk sswood sk sk sk sswood sk sk sk sswood sk sk sswood sk sswood sk sswood sk sswood sk sswood ssswood ssswood ssswood sgar Maple	13.00 17.00 15.00 14.00 12.50 16.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 16.50 7.50 16.50 7.50 16.50 11.50 13.00 11.00 14.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50	Tree of Interest	3362550.495 3362543.954 3362564.429 3362583.257 3362553.787 3362526.804 3362594.286 3362499.620 3362492.197 3362467.710 3362446.636 3362454.460 3362438.983 3362423.129	4849941.557 4849966.286 4849953.982 4849964.029 4849964.133 4850002.404 4849999.000 4850011.292 4850027.833 4850018.577	red red red red red red fused 16/16.25 30 base red fused 12.5/12.5 21 base
54 Oak 55 Oak 56 Oak 57 Oak 58 Oak 59 Oak 50 Oak 61 Bass 62 Oak 63 Oak 64 Oak 65 Oak 66 Bass 67 Oak 70 Oak 71 Oak 72 Oak 73 Bass 74 Bass 75 Bass 76 Oak 77 Oak 78 Oak 79 Oak 80 Oak 81 Oak 82 Oak 83 Oak 84 Oak 85 Oak 86 Oak 87 Oak 88 Oak 89 Oak	ak ak ak ak ak ak ak alk alk alk alk alk	15.00 14.00 12.50 16.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 12.50 7.50 16.50 7.50 16.50 7.50 16.50 13.50 13.00 11.00 14.50 13.50 13.50 10.00 10.00 10.00 10.00 10.00 10.00 10.00	Tree of Interest Special Tree > 20" Tree of Interest	3362564.429 3362583.257 3362553.787 3362526.804 3362504.286 3362499.620 3362492.197 3362467.710 3362446.636 3362454.460 3362438.983 3362423.129	4849953.982 4849964.029 4849964.133 4850002.404 4849999.000 4850011.292 4850027.833 4850018.577	red red fused 16/16.25 30 base red fused 12.5/12.5 21 base
55 Oak 56 Oak 57 Oak 58 Oak 59 Oak 60 Yello 61 Bass 62 Oak 63 Oak 64 Oak 65 Bass 67 Suga 68 Bass 70 Oak 71 Oak 72 Oak 73 Bass 74 Bass 75 Bass 76 Oak 77 Oak 78 Oak 79 Bass 70 Oak 80 Oak 81 Oak 82 Oak 83 Oak 84 Oak 85 Oak 86 Oak 87 Oak 88 Oak 89 Oak	ak ak ak ak ak alk alk alk alk alk alk a	14.00 12.50 16.00 12.50 14.00 12.50 14.00 12.50 14.00 12.50 7.50 16.50 7.50 16.50 7.50 16.50 11.50 13.00 11.00 14.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50	Tree of Interest Special Tree > 20" Tree of Interest	3362583.257 3362553.787 3362526.804 3362594.286 3362499.620 3362492.197 3362467.710 3362446.636 3362454.460 3362438.983 3362423.129	4849964.029 4849964.133 4850002.404 4849999.000 4850011.292 4850027.833 4850018.577	red red fused 16/16.25 30 base red fused 12.5/12.5 21 base
57 Oak 58 Oak 59 Oak 50 Yello 61 Bass 62 Oak 63 Oak 64 Oak 65 Oak 66 Bass 67 Oak 71 Oak 72 Oak 73 Bass 74 Oak 75 Bass 76 Suga 77 Oak 78 Oak 79 Oak 80 Oak 81 Oak 82 Oak 83 Oak 84 Oak 85 Oak 86 Oak 87 Oak 88 Oak 90 Oak 90 Oak 90 Oak 90 Oak 90 Oak <td>ak ak ak alk alk alk alk alk alk alk alk</td> <th>16.00 12.50 14.00 12.50 14.00 12.50 12.50 7.50 16.50 7.50 16.50 7.50 11.50 13.00 11.00 14.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50</th> <td>Tree of Interest Tree of Interest Tree of Interest Special Tree > 20" Tree of Interest Tree of Interest</td> <td>3362526.804 3362504.286 3362499.620 3362492.197 3362467.710 3362446.636 3362454.460 3362438.983 3362423.129</td> <td>4850002.404 4849999.000 4850011.292 4850027.833 4850018.577</td> <td>red fused 16/16.25 30 base red fused 12.5/12.5 21 base</td>	ak ak ak alk alk alk alk alk alk alk alk	16.00 12.50 14.00 12.50 14.00 12.50 12.50 7.50 16.50 7.50 16.50 7.50 11.50 13.00 11.00 14.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50	Tree of Interest Tree of Interest Tree of Interest Special Tree > 20" Tree of Interest	3362526.804 3362504.286 3362499.620 3362492.197 3362467.710 3362446.636 3362454.460 3362438.983 3362423.129	4850002.404 4849999.000 4850011.292 4850027.833 4850018.577	red fused 16/16.25 30 base red fused 12.5/12.5 21 base
58 Oak 59 Oak 60 Yello 61 Bass 62 Oak 63 Oak 64 Oak 65 Oak 66 Bass 67 Oak 70 Oak 71 Oak 72 Oak 73 Bass 74 Bass 75 Bass 76 Oak 77 Oak 78 Oak 79 Bass 80 Oak 81 Oak 82 Oak 83 Oak 84 Oak 85 Oak 86 Oak 87 Oak 88 Oak 90 Oak 91 Oak 92 Oak 93 Oak 94 Oak </td <td>ak ak Illow Birch sswood ak ak sswood gar Maple sswood ak her ak sswood sswood sswood sswood sswood</td> <th>12.50 14.00 14.00 12.50 12.50 12.50 7.50 16.50 7.50 16.50 7.50 11.50 13.50 13.00 11.00 14.50 13.50 13.50 10.00 10.00 10.00 10.00 10.00</th> <td>Tree of Interest Tree of Interest Special Tree > 20" Tree of Interest Tree of Interest</td> <td>3362504.286 3362499.620 3362492.197 3362467.710 3362446.636 3362454.460 3362438.983 3362423.129</td> <td>4849999.000 4850011.292 4850027.833 4850018.577</td> <td>red fused 12.5/12.5 21 base</td>	ak ak Illow Birch sswood ak ak sswood gar Maple sswood ak her ak sswood sswood sswood sswood sswood	12.50 14.00 14.00 12.50 12.50 12.50 7.50 16.50 7.50 16.50 7.50 11.50 13.50 13.00 11.00 14.50 13.50 13.50 10.00 10.00 10.00 10.00 10.00	Tree of Interest Tree of Interest Special Tree > 20" Tree of Interest	3362504.286 3362499.620 3362492.197 3362467.710 3362446.636 3362454.460 3362438.983 3362423.129	4849999.000 4850011.292 4850027.833 4850018.577	red fused 12.5/12.5 21 base
59 Oak 60 Yello 61 Bass 62 Oak 63 Oak 64 Cak 65 Oak 66 Bass 67 Oak 70 Oak 71 Oak 72 Oak 73 Bass 74 Bass 75 Bass 76 Oak 77 Oak 78 Oak 79 Bass 70 Oak 70 Oak 70 Oak 70 Oak 83 Oak 84 Oak 85 Oak 86 Oak 87 Oak 90 Oak 90 Oak 90 Oak 90 Oak 90 Oak 90 Oak </td <td>ak Illow Birch sswood ak ak ak ak sswood gar Maple sswood ak her ak sswood sswood sswood sswood</td> <th>14.00 birch 21.00 od 12.50 12.50 7.50 16.50 7.50 od 11.50 aple 7.00 od 13.50 11.00 14.50 13.50 13.50 0d 7.50 od 7.50</th> <td>Tree of Interest Special Tree > 20" Tree of Interest Tree of Interest</td> <td>3362499.620 3362492.197 3362467.710 3362446.636 3362454.460 3362438.983 3362423.129</td> <td>4850011.292 4850027.833 4850018.577</td> <td></td>	ak Illow Birch sswood ak ak ak ak sswood gar Maple sswood ak her ak sswood sswood sswood sswood	14.00 birch 21.00 od 12.50 12.50 7.50 16.50 7.50 od 11.50 aple 7.00 od 13.50 11.00 14.50 13.50 13.50 0d 7.50 od 7.50	Tree of Interest Special Tree > 20" Tree of Interest	3362499.620 3362492.197 3362467.710 3362446.636 3362454.460 3362438.983 3362423.129	4850011.292 4850027.833 4850018.577	
61 Bass 62 Oak 63 Oak 64 Oak 65 Bass 67 Suga 68 Bass 69 Oak 67 Oak 67 Oak 68 Bass 69 Cak 68 Bass 69 Cak 68 Bass 69 Cak 68 Cak 68 Cak 68 Cak 68 Cak 68 Cak 68 Cak 69 Cak 60	sswood ak ak ak sswood gar Maple sswood ak her ak sswood sswood ssswood gar Maple	d 12.50 12.50 7.50 16.50 7.50 16.50 7.50 d 11.50 aple 7.00 d 13.50 13.00 11.00 14.50 13.50 d 7.50 d 7.50 d 7.50	Tree of Interest	3362467.710 3362446.636 3362454.460 3362438.983 3362423.129	4850018.577	
62 Oak 63 Oak 64 Oak 65 Oak 66 Bass 67 Suga 68 Bass 69 Oak 71 Oak 72 Oak 73 Bass 74 Bass 75 Bass 76 Suga 77 Oak 78 Oak 81 Oak 82 Oak 82 Oak 83 Oak 84 Oak 85 Oak 86 Oak 87 Oak 88 Oak 88 Oak 89	ak ak ak sswood gar Maple sswood ak her ak sswood sswood sswood sswood	12.50 7.50 16.50 7.50 16.50 7.50 11.50 11.50 13.50 13.00 11.00 14.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50	Tree of Interest	3362446.636 3362454.460 3362438.983 3362423.129		mostly dead damaged
64 Oak 65 Oak 66 Bass 67 Ouk 68 Bass 69 Oak 71 Oak 72 Oak 73 Bass 74 Bass 75 Bass 76 Suga 77 Oak 78 Oak 79 Bass 80 Oak 81 Oak 82 Oak 83 Oak 84 Oak 85 Oak 86 Oak 87 Oak 88 Oak 89 Oak 90 Oak 91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 90 Oak <td>sk sswood gar Maple sswood sk her sk sswood ssswood ssswood sswood gar Maple</td> <th>16.50 7.50 d 11.50 aple 7.00 d 13.50 13.00 11.00 14.50 13.50 d 7.50 d 7.50 d 7.50</th> <td>Tree of Interest Tree of Interest</td> <td>3362438.983 3362423.129</td> <td></td> <td>red</td>	sk sswood gar Maple sswood sk her sk sswood ssswood ssswood sswood gar Maple	16.50 7.50 d 11.50 aple 7.00 d 13.50 13.00 11.00 14.50 13.50 d 7.50 d 7.50 d 7.50	Tree of Interest	3362438.983 3362423.129		red
65 Oak 66 Bass 67 Suga 68 Bass 69 Oak 71 Oak 72 Oak 73 Bass 74 Bass 75 Bass 76 Suga 77 Oak 78 Oak 80 Oak 81 Oak 82 Oak 83 Oak 84 Oak 85 Oak 86 Oak 87 Oak 88 Oak 89 Oak 90 Oak 91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 99 Oak 90 Oak <td>sswood gar Maple sswood k her k sswood sswood sswood gar Maple</td> <th>7.50 aple 7.00 aple 7.00 13.50 13.00 11.00 14.50 13.50 0d 7.50 od 7.50 od 7.50</th> <td>Tree of Interest Tree of Interest Tree of Interest Tree of Interest Tree of Interest</td> <td>3362423.129</td> <td>4850047.075</td> <td>red</td>	sswood gar Maple sswood k her k sswood sswood sswood gar Maple	7.50 aple 7.00 aple 7.00 13.50 13.00 11.00 14.50 13.50 0d 7.50 od 7.50 od 7.50	Tree of Interest	3362423.129	4850047.075	red
67 Suga 68 Bass 69 Oak 70 Othe 71 Oak 72 Oak 73 Bass 76 Suga 76 Suga 77 Oak 78 Oak 81 Oak 82 Oak 83 Oak 84 Oak 85 Oak 86 Oak 87 Oak 88 Oak 88 Oak 89 Oak 89 Oak 90 Oak 90 Oak 90 Oak 90 Oak 91 Oak 91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 98 Oak 99 Oak 90 Oak 91 Oak 91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 98 Oak 99 Oak 90 Oak 91 Oak 91 Oak 91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 99 Oak 99 Oak 99 Oak 90 Oak 90 Oak 90 Oak 90 Oak 90 Oak 90 Oak 91 Oak 91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 99 Oak 99 Oak 99 Oak 90 Oak 90 Oak 90 Oak 91 Oak 91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 99 Oak 99 Oak 90 Oak 90 Oak 90 Oak 90 Oak 91	gar Maple sswood sk her sk sk sswood sswood sswood gar Maple	7.00 d 13.50 13.00 11.00 14.50 13.50 d 7.50 d 7.50 d 7.50 d 7.50	Tree of Interest Tree of Interest Tree of Interest		4850048.990 4850054.942	red 16.5/12.5 23.5 base red
68 Bass 69 Oak 70 Othe 71 Oak 72 Oak 73 Bass 74 Bass 75 Bass 76 Suga 77 Oak 78 Oak 80 Oak 81 Oak 82 Oak 83 Oak 84 Oak 85 Oak 86 Oak 87 Oak 88 Oak 90 Oak 91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 99 Oak 90 Oak 90 Oak 90 Oak 90 Oak <td>sswood k her k k sswood sswood sswood gar Maple</td> <th>13.50 13.00 11.00 14.50 13.50 10.00 10.00 10.00</th> <td>Tree of Interest Tree of Interest</td> <td>3362447.039</td> <td>4850067.856</td> <td></td>	sswood k her k k sswood sswood sswood gar Maple	13.50 13.00 11.00 14.50 13.50 10.00 10.00 10.00	Tree of Interest Tree of Interest	3362447.039	4850067.856	
George	her lk lk sswood sswood sswood gar Maple	13.00 11.00 14.50 13.50 od 7.50 od 10.00 od 7.50	Tree of Interest	3362421.366 3362436.805	4850077.859 4850076.694	
71 Oak 72 Oak 73 Bass 74 Bass 75 Bass 76 Suga 77 Oak 78 Oak 78 Oak 81 Oak 82 Oak 83 Oak 84 Oak 85 Oak 86 Oak 87 Oak 88 Oak 89 Oak 90 Oak 91 Oak 91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 98 Oak 99 Oak 90 Oak 91 Oak 91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 98 Oak 99 Oak 90 Oak 91 Oak 91 Oak 91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 99 Oak 91 Oak 91 Oak 91 Oak 91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 99 Oak 91 Oak 99 Oa	ak sswood sswood sswood gar Maple	14.50 13.50 od 7.50 od 10.00 od 7.50	Tree of Interest	3362416.659	4850103.196	red
72 Oak 73 Bass 74 Bass 75 Bass 76 Suga 77 Oak 78 Oak 79 Bass 80 Oak 81 Oak 82 Oak 83 Oak 84 Oak 85 Oak 86 Oak 87 Oak 88 Oak 88 Oak 89 Oak 90 Oak 91 Oak 91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 98 Oak 99 Oak 90 Oak 91 Oak 91 Oak 91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 99 Oak 90 Oak 91 Oak 91 Oak 91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 99 Oak 99 Oak 90 Oak 91 Oak 91 Oak 91 Oak 91 Oak 91 Oak 91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 99 Oak 99 Oak 90 Oak 90 Oak 90 Oak 91 Oak	ik sswood sswood sswood gar Maple	13.50 od 7.50 od 10.00 od 7.50		3362472.893	4850059.145	quaking aspen
73 Bass 74 Bass 75 Bass 76 Suga 77 Oak 78 Oak 79 Bass 80 Oak 81 Oak 82 Oak 83 Oak 86 Oak 87 Oak 88 Oak 89 Oak 90 Oak 91 Oak 91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 98 Oak 99 Oak 90 Oak 91 Oak 91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 98 Oak 99 Oak 90 Oak 91 Oak 91 Oak 91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 99 Oak 91 Oak	sswood sswood sswood gar Maple	od 7.50 od 10.00 od 7.50	Tree of Interest Tree of Interest	3362428.442 3362496.684	4850033.936 4850053.004	fused 14.5 / 12 23.5 base red
75 Bass 76 Suga 77 Oak 78 Oak 79 Bass 80 Oak 81 Oak 82 Oak 83 Oak 84 Oak 85 Oak 86 Oak 87 Oak 88 Oak 89 Oak 90 Oak 91 Oak 91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 98 Oak 99 Oak 90 Oak 91 Oak 91 Oak 91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 98 Oak 99 Oak 91 Oak 91 Oak 91 Oak 91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 98 Oak 99 Oak 99 Oak 91 Oak	sswood gar Maple	od 7.50	Tree of Interest	3362508.491	4850044.328	
76 Suga 77 Oak 78 Oak 79 Bass 80 Oak 81 Oak 82 Oak 83 Oak 84 Oak 85 Oak 86 Oak 87 Oak 88 Oak 90 Oak 91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 99 Oak 90 Oak 91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 99 Oak 90 Oak 91 Oak 91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 99 Oak 90 Oak 91 Oak 91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 99 Oak 90 Oak 91 Oak 91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 99 Oak 90 Oak 91 Oak 91 Oak 91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 99 Oak 90 Oak 90 Oak 91 Oak 91 Oak 91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 99 Oak 90 Oak 90 Oak 90 Oak 90 Oak 91 Oak 91 Oak 91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 99 Oak 90 Oak 90 Oak 90 Oak 90 Oak 90 Oak 91 Oak 91 Oak 91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 99 Oak 90 O	gar <mark>Maple</mark>		Tree of Interest Tree of Interest	3362520.598 3362530.803	4850025.479 4850041.620	
78 Oak 79 Bass 80 Oak 81 Oak 82 Oak 83 Oak 85 Oak 86 Oak 87 Oak 88 Oak 90 Oak 91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 97 Oak 98 Oak 99 Oak 90 Oak 91 Oak 91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 99 Oak 99 Oak 91 Oak 91 Oak 91 Oak 91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 99 Oak 91 Oak	ık		Tree of Interest	3362524.654	4850059.811	
79 Bass 80 Oak 81 Oak 82 Oak 83 Oak 85 Oak 86 Oak 88 Oak 88 Oak 88 Oak 89 Oak 90 Oak 91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 97 Oak 98 Oak 97 Oak 98 Oak 99 Oak 90 Oak 91 Oak 91 Oak 91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 97 Oak 98 Oak 98 Oak 99 Oak 91 Oak 91 Oak 91 Oak 91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 98 Oak 99 Oak 91 Oak		12.00 17.00	Tree of Interest Tree of Interest	3362570.819 3362562.661	4850008.556 4850027.012	red 17/13 27.5 base
81 Oak 82 Oak 83 Oak 84 Oak 85 Oak 86 Oak 88 Oak 89 Oak 90 Oak 91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 97 Oak 98 Oak 98 Oak 99 Oak 90 Oak 90 Oak 91 Oak 91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 99 Oak 90 Oak 91 Oak 91 Oak 91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 99 Oak 91 Oak	sswood	od 12.75	Tree of Interest	3362560.403	4850033.932	
82 Oak 83 Oak 84 Oak 85 Oak 86 Oak 87 Oak 88 Oak 89 Oak 91 Oak 91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 98 Oak 99 Oak 90 Oak 90 Oak 90 Oak 90 Oak 91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 99 Oak 90 Oak 91 Oak 91 Oak 91 Oak 91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 99 Oak 91 Oak		9.00 12.50	Tree of Interest Tree of Interest	3362565.066 3362577.361	4850037.838 4850063.240	red 12.5/12 20 base
84 Oak 85 Oak 86 Oak 87 Oak 88 Oak 89 Oak 90 Oak 91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 99 Oak 90 Oak 90 Oak 91 Oak 90 Oak 91 Oak 91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 98 Oak 99 Oak 91 Oak 91 Oak 91 Oak 91 Oak 91 Oak 91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 99 Oak 91 Oak		15.75	Tree of Interest	3362561.972	4850063.240	red
85 Oak 86 Oak 87 Oak 88 Oak 89 Oak 90 Oak 91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 99 Oak 90 Oak 90 Oak 10 Oak 10 Oak 10 Oak 11 Oak 11 Oak 12 Oak 13 Oak 14 Oak 15 Bass 16 Oak 11 Oak 11 Oak 11 Oak 12 Oak 13 Oak 14 Oak 15 Bass 16 Oak 17 Oak 18 Oak 18 Oak 19 Oak 11 Oak 11 Oak 12 Oak 13 Oak 14 Oak 15 Bass 16 Oak 17 Oak 18 Oak 18 Oak 19 Oak 11 Oak 12 Oak 12 Oak 13 Oak 14 Oak 15 Bass 16 Oak 17 Oak 18 Oak 19 Oak 10 Oak 11 Oak 12 Oak 13 Oak 14 Oak 15 Bass 16 Oak 17 Oak 18 Oak 18 Oak 19 Oak 19 Oak 10 Oak 10 Oak 11 Oak 12 Oak 13 Oak 14 Oak 15 Bass 16 Oak 17 Oak 18 Oak 18 Oak 19 Oak 19 Oak 10 Oak 10 Oak 11 Oak 11 Oak 12 Oak 13 Oak 14 Oak 15 Bass 16 Oak 17 Oak 18 Oak 19 Oak 19 Oak 10 Oak 10 Oak 10 Oak 11 Oak 11 Oak 12 Oak 13 Oak 14 Oak 15 Oak 16 Oak 17 Oak 18 Oak 19 Oak 19 Oak 10 Oak 10 Oak 10 Oak 10 Oak 10 Oak 11 Oak 11 Oak 12 Oak 13 Oak 14 Oak 15 Oak 16 Oak 17 Oak 18 Oak 19 Oak 10		10.00	Tree of Interest	3362553.904	4850072.159	red
86 Oak 87 Oak 88 Oak 89 Oak 90 Oak 91 Oak 92 Oak 93 Oak 96 Oak 97 Oak 98 Oak 99 Oak 00 Oak 01 Oak 01 Oak 02 Oak 03 Oak 04 Oak 05 Oak 06 Oak 07 Oak 08 Oak 08 Oak 09 Oak 10 Oak 11 Oak 11 Oak 12 Oak 13 Oak 14 Oak 15 Bass 16 Oak 17 Oak 18 Oak 19 Oak 11 Oak 11 Oak 11 Oak 12 Oak 12 Oak 13 Oak 14 Oak 15 Bass 16 Oak 17 Oak 18 Oak 19 Oak 11 Oak 12 Oak 12 Oak 13 Oak 14 Oak 15 Bass 16 Oak 17 Oak 18 Oak 18 Oak 19 Oak 19 Oak 10 Oak 11 Oak 12 Oak 13 Oak 14 Oak 15 Bass 16 Oak 17 Oak 18 Oak 18 Oak 19 Oak 19 Oak 20 Oak 21 Oak 22 Oak 23 Oak 24 Suga 25 Yellc 26 Oak 27 Oak 28 Othe 29 Oak 29 Oak	-	14.00 15.00	Tree of Interest Tree of Interest	3362539.459 3362542.119	4850063.811 4850075.547	red red
88 Oak 89 Oak 90 Oak 91 Oak 92 Oak 93 Oak 95 Oak 96 Oak 97 Oak 98 Oak 99 Oak 00 Oak 01 Elm 02 Oak 03 Oak 04 Oak 05 Oak 06 Oak 07 Oak 08 Oak 07 Oak 08 Oak 07 Oak 08 Oak 10 Oak 11 Oak 12 Oak 13 Oak 14 Oak 15 Bass 16 Oak 17 Oak 18 Oak 19 Oak 19 Suga 20 Oak 21 Oak 22 Oak 23 Oak 24 Suga 25 Yell 26 Oak 27 Oak 28 Othe 29 Oak 29 Oak	ık	9.00	Tree of Interest	3362555.391	4850070.852	red
89 Oak 90 Oak 91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 99 Oak 00 Oak 01 Elm 02 Oak 03 Oak 04 Oak 05 Oak 06 Oak 07 Oak 08 Oak 08 Oak 10 Oak 11 Oak 12 Oak 13 Oak 14 Oak 15 Bass 16 Oak 17 Oak 18 Oak 19 Suga 20 Oak 21 Oak 22 Oak 23 Oak 24 Suga 25 Yellc 26 Oak 27 Oak 28 Othe 29 Oak 29 Oak		13.75 13.75	Tree of Interest Tree of Interest	3362522.264 3362523.837	4850046.356 4850075.427	red red
91 Oak 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 99 Oak 00 Oak 00 Oak 00 Oak 00 Oak 00 Oak 01 Oak 01 Oak 02 Oak 03 Oak 04 Oak 05 Oak 06 Oak 07 Oak 08 Oak 10 Oak 11 Oak 11 Oak 12 Oak 13 Oak 14 Oak 15 Bass 16 Oak 17 Oak 18 Oak 19 Suga 20 Oak 21 Oak 21 Oak 22 Oak 23 Oak 24 Suga 25 Yellc 26 Oak 27 Oak 28 Oak 29 Oak 29 Oak 29 Oak 20 Oak 21 Oak 21 Oak 22 Oak 23 Oak 24 Suga 25 Yellc 26 Oak 27 Oak 28 Othe 29 Oak 29 Oak	ık	11.50	Tree of Interest	3362509.479	4850070.383	red
92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 99 Oak 00 Oak 01 Elm 02 Oak 03 Oak 04 Oak 05 Oak 06 Oak 07 Oak 08 Oak 08 Oak 10 Oak 11 Oak 11 Oak 11 Oak 12 Oak 13 Oak 14 Oak 15 Bass 16 Oak 17 Oak 18 Oak 19 Suga 20 Oak 21 Oak 22 Oak 23 Oak 24 Suga 25 Yello 26 Oak 27 Oak 28 Othe 28 Othe 29 Oak		8.00 10.00	Tree of Interest Tree of Interest	3362502.829 3362508.768	4850075.031 4850092.840	red red
94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 99 Oak 90 Oak 01 Elm 02 Oak 03 Oak 04 Oak 05 Oak 06 Oak 07 Oak 08 Oak 09 Oak 10 Oak 11 Oak 11 Oak 11 Oak 12 Oak 13 Oak 14 Oak 15 Bass 16 Oak 17 Oak 18 Oak 19 Suga 20 Oak 21 Oak 21 Oak 22 Oak 23 Oak 24 Suga 25 Yellc 26 Oak 27 Oak 28 Othe 29 Oak 20 Oak 21 Oak 22 Oak 23 Oak 24 Suga 25 Yellc 26 Oak 27 Oak 28 Othe 29 Oak 20 Oak		9.50	Tree of Interest	3362474.915	4850080.436	red
95 Oak 96 Oak 97 Oak 98 Oak 99 Oak 90 Oak 00 Oak 01 Oak 01 Oak 10 Oak 11 Oak 11 Oak 11 Oak 12 Oak 13 Oak 14 Oak 15 Bass 16 Oak 17 Oak 18 Oak 19 Suga 20 Oak 21 Oak 22 Oak 23 Oak 24 Suga 25 Yellc 26 Oak 27 Oak 28 Othe 29 Oak 28 Othe 29 Oak		11.50	Tree of Interest	3362491.629	4850068.374	
97 Oak 98 Oak 99 Oak 00 Oak 01 Elm 02 Oak 03 Oak 04 Oak 05 Oak 06 Oak 07 Oak 08 Oak 10 Oak 11 Oak 11 Oak 11 Oak 12 Oak 13 Oak 14 Oak 15 Bass 16 Oak 17 Oak 18 Oak 19 Suga 20 Oak 21 Oak 22 Oak 23 Oak 24 Suga 25 Yello 26 Oak 27 Oak 28 Othe 29 Oak		12.00 11.00	Tree of Interest Tree of Interest	3362490.396 3362485.181	4850072.201 4850077.304	red
98 Oak 99 Oak 00 Oak 01 Elm 02 Oak 03 Oak 05 Oak 06 Oak 07 Oak 08 Oak 09 Oak 11 Oak 11 Oak 12 Oak 13 Oak 14 Oak 15 Bass 16 Oak 17 Oak 18 Oak 19 Suga 20 Oak 21 Oak 21 Oak 22 Oak 23 Oak 24 Suga 25 Yello 26 Oak 27 Oak 28 Othe 29 Oak		11.50	Tree of Interest	3362489.439	4850083.298	red
99 Oak 90 Oak 91 Elm 92 Oak 93 Oak 94 Oak 95 Oak 96 Oak 97 Oak 98 Oak 99 Oak 11 Oak 12 Oak 13 Oak 14 Oak 14 Oak 15 Bass 16 Oak 17 Oak 18 Oak 19 Suga 20 Oak 21 Oak 22 Oak 23 Oak 24 Suga 25 Yellc 26 Oak 27 Oak 28 Othe 29 Oak		17.50 18.50	Tree of Interest Tree of Interest	3362479.594 3362470.624	4850106.297 4850109.837	red
01 Elm 02 Oak 03 Oak 04 Oak 05 Oak 06 Oak 07 Oak 08 Oak 10 Oak 11 Oak 12 Oak 13 Oak 14 Oak 15 Bass 16 Oak 17 Oak 18 Oak 19 Suga 20 Oak 21 Oak 22 Oak 23 Oak 24 Suga 25 Yello 26 Oak 27 Oak 28 Othe 29 Oak		12.50	Tree of Interest	3362451.279	4850074.741	red 12.5/12.5 21.5 base
02 Oak 03 Oak 04 Oak 05 Oak 06 Oak 07 Oak 08 Oak 10 Oak 11 Oak 11 Oak 12 Oak 13 Oak 14 Oak 15 Bass 16 Oak 17 Oak 18 Oak 19 Suga 20 Oak 21 Oak 22 Oak 23 Oak 24 Suga 25 Yellc 26 Oak 27 Oak 28 Othe 29 Oak 28 Othe 29 Oak		12.00 6.50	Tree of Interest Tree of Interest	3362437.358 3362439.818	4850097.443 4850091.152	red
04 Oak 05 Oak 06 Oak 07 Oak 08 Oak 09 Oak 11 Oak 12 Oak 13 Oak 14 Oak 15 Bass 16 Oak 17 Oak 18 Oak 19 Suga 20 Oak 21 Oak 22 Oak 23 Oak 24 Suga 25 Yellc 26 Oak 27 Oak 28 Othe 29 Oak		8.50	Tree of Interest	3362424.245	4850097.916	
05 Oak 06 Oak 07 Oak 08 Oak 09 Oak 11 Oak 12 Oak 13 Oak 14 Oak 15 Bass 16 Oak 17 Oak 18 Oak 19 Suga 20 Oak 21 Oak 21 Oak 22 Oak 23 Oak 24 Suga 25 Yellc 26 Oak 27 Oak 28 Othe 29 Oak		20.25	Special Tree > 20"	3362429.890	4850112.456	red
06 Oak 07 Oak 08 Oak 09 Oak 11 Oak 12 Oak 13 Oak 14 Oak 15 Bass 16 Oak 17 Oak 18 Oak 19 Suga 20 Oak 21 Oak 22 Oak 23 Oak 24 Suga 25 Yello 26 Oak 27 Oak 28 Othe 29 Oak		10.50 14.00	Tree of Interest Tree of Interest	3362416.851 3362416.476	4850122.022 4850133.133	red 14/13 21.5 base
08 Oak 09 Oak 10 Oak 11 Oak 12 Oak 13 Oak 14 Oak 15 Bass 16 Oak 17 Oak 18 Oak 19 Suga 20 Oak 21 Oak 22 Oak 23 Oak 24 Suga 25 Yello 26 Oak 27 Oak 28 Othe 29 Oak	ık	13.00	Tree of Interest	3362404.929	4850139.919	13/12.5 25.5 base
09 Oak 10 Oak 11 Oak 12 Oak 13 Oak 14 Oak 15 Bass 16 Oak 17 Oak 18 Oak 19 Suga 20 Oak 21 Oak 22 Oak 23 Oak 24 Suga 25 Yellc 26 Oak 27 Oak 28 Othe 29 Oak		14.50 15.00	Tree of Interest Tree of Interest	3362415.189 3362423.547	4850159.052 4850173.147	red red
11 Oak 12 Oak 13 Oak 14 Oak 15 Bass 16 Oak 17 Oak 18 Oak 19 Suga 20 Oak 21 Oak 22 Oak 23 Oak 24 Suga 25 Yello 26 Oak 27 Oak 28 Othe 29 Oak	ık	8.00	Tree of Interest	3362436.383	4850174.920	red
12 Oak 13 Oak 14 Oak 15 Bass 16 Oak 17 Oak 18 Oak 19 Suga 20 Oak 21 Oak 22 Oak 23 Oak 24 Suga 25 Yello 26 Oak 27 Oak 28 Othe 29 Oak		16.50 12.75	Tree of Interest Tree of Interest	3362419.263 3362421.617	4850181.226 4850174.894	red red
14 Oak 15 Bass 16 Oak 17 Oak 18 Oak 19 Suga 20 Oak 21 Oak 22 Oak 23 Oak 24 Suga 25 Yellc 26 Oak 27 Oak 28 Othe 29 Oak		9.75	Tree of Interest	3362442.132	4850171.975	red
15 Bass 16 Oak 17 Oak 18 Oak 19 Suga 20 Oak 21 Oak 22 Oak 23 Oak 24 Suga 25 Yello 26 Oak 27 Oak 28 Othe 29 Oak 30 Oak		10.50	Tree of Interest	3362437.289	4850153.634	red
16 Oak 17 Oak 18 Oak 19 Suga 20 Oak 21 Oak 22 Oak 23 Oak 24 Suga 25 Yello 26 Oak 27 Oak 28 Othe 29 Oak	sswood	7.75 od 11.75	Tree of Interest Tree of Interest	3362437.505 3362440.543	4850137.112 4850132.926	red
18 Oak 19 Suga 20 Oak 21 Oak 22 Oak 23 Oak 24 Suga 25 Yelld 26 Oak 27 Oak 28 Othe 29 Oak	ık	16.50	Tree of Interest	3362442.688	4850131.193	red
19 Suga 20 Oak 21 Oak 22 Oak 23 Oak 24 Suga 25 Yello 26 Oak 27 Oak 28 Othe 29 Oak		13.00 15.25	Tree of Interest Tree of Interest	3362440.776 3362451.461	4850145.475 4850168.924	red red
21 Oak 22 Oak 23 Oak 24 Suga 25 Yello 26 Oak 27 Oak 28 Othe 29 Oak 30 Oak	gar Maple	aple 12.50	Tree of Interest	3362459.098	4850180.889	
22 Oak 23 Oak 24 Suga 25 Yello 26 Oak 27 Oak 28 Othe 29 Oak 30 Oak		17.50 17.75	Tree of Interest Tree of Interest	3362469.838 3362480.540	4850185.721 4850186.179	red red
24 Suga 25 Yello 26 Oak 27 Oak 28 Othe 29 Oak 30 Oak		8.50	Tree of Interest	3362486.036	4850176.038	red
25 Yello 26 Oak 27 Oak 28 Othe 29 Oak 30 Oak	ık	17.50 aple 11.50	Tree of Interest Tree of Interest	3362471.289 3362478.483	4850147.637 4850153.001	red
27 Oak 28 Othe 29 Oak 30 Oak	ık ık		Tree of Interest	3362478.483 3362489.118	4850153.001 4850121.585	
28 Othe 29 Oak 30 Oak	ık ık gar Maple Ilow Birch	16.00	Tree of Interest	3362491.669	4850127.882	red
29 Oak 30 Oak	ik ik gar Maple Ilow Birch ik	10.50 11.50	Tree of Interest Tree of Interest	3362501.240 3362505.404	4850126.555 4850123.316	red quaking aspen
	ik gar Maple Ilow Birch ik	11.50	Tree of Interest	3362518.107	4850112.587	red
	sk gar Maple Ilow Birch sk her	7.50 10.00	Tree of Interest Tree of Interest	3362516.093 3362525.252	4850105.529 4850096.736	red red
32 Oak	ak gar Maple Ilow Birch ak ak her	17.50	Tree of Interest	3362521.910	4850118.706	red
33 Whit 34 Oak	sk gar Maple Ilow Birch sk k her sk	ne 13.50 14.00	Tree of Interest Tree of Interest	3362558.077 3362557.984	4850134.846 4850148.415	red
35 Othe	gar Maple Ilow Birch ak her ak ak ak	13.75	Tree of Interest	3362549.232	4850151.592	quaking aspen
36 Othe 37 Oak	gar Maple Ilow Birch ik ik her ik ik ik her ik ik ik	1	Tree of Interest Tree of Interest	3362562.001 3362533.857	4850146.706 4850168.156	quaking aspen red
37 Oak 38 Othe	gar Maple Illow Birch sk k her sk sk hite Pine sk	19.00	Tree of Interest	3362533.857 3362530.327	4850168.156 4850139.986	quaking aspen
39 Oak	gar Maple Illow Birch ik ik her ik ik hite Pine ik her	19.00 7.00 12.50	Tree of Interest	3362531.201	4850136.664	red
40 Suga 41 Othe	gar Maple Illow Birch sk sk her sk sk hite Pine sk her her	7.00 12.50 11.25	Tree of Interest Tree of Interest	3362534.569 3362516.358	4850131.093 4850154.694	quaking aspen
42 Othe	gar Maple Illow Birch sk sk her sk sk hite Pine sk her sk	7.00 12.50 11.25 aple 9.50	Tree of Interest	3362531.599	4850155.123	quaking aspen
43 Oak 44 Oak	gar Maple Illow Birch ik ik ik her ik ik ik hite Pine ik her ik her her ik her ik	7.00 12.50 11.25 aple 9.50 14.75 16.50	Tree of Interest Tree of Interest	3362546.001 3362552.548	4850163.173 4850181.222	red red
44 Oak 45 Othe	gar Maple Illow Birch ik ik ik her ik ik ik ik hite Pine ik her her ik her her ik her	7.00 12.50 11.25 aple 9.50 14.75 16.50 7.50	nee or interest	3362552.548 3362516.999	4850181.222 4850159.408	quaking aspen
46 Othe	gar Maple Illow Birch ik	7.00 12.50 11.25 aple 9.50 14.75 16.50	Tree of Interest	3362531.177	4850180.163	quaking aspen
47 Othe	gar Maple Illow Birch ik ik ik her ik ik her her ik her	7.00 12.50 11.25 aple 9.50 14.75 16.50 7.50 12.00 16.00 17.00	Tree of Interest	3362567.220 3362556.266	4850184.957 4850214.251	quaking aspen
49 Oak	gar Maple Illow Birch ik ik ik her ik ik her her ik her	7.00 12.50 11.25 aple 9.50 14.75 16.50 7.50 12.00 16.00 17.00		JJUZJJ0.20b	4850214.518	red
50 Oak 51 Suga	sk gar Maple Illow Birch sk sk her sk sk sk hite Pine sk her her sk her her sk her her her her her her sk sk	7.00 12.50 11.25 aple 9.50 14.75 16.50 7.50 12.00 16.00 17.00 12.00 aple 9.25 16.50	Tree of Interest Tree of Interest Tree of Interest Tree of Interest	3362552.607		_
52 Oak	gar Maple Illow Birch ik ik ik her ik ik hite Pine ik her ik ik her ik her ik ik	7.00 12.50 11.25 aple 9.50 14.75 16.50 7.50 12.00 16.00 17.00 12.00 aple 9.25 16.50 6.25	Tree of Interest		4850214.518 4850228.610 4850234.412	red
53 Oak 54 Suga	gar Maple Illow Birch ik ik ik her ik ik ik hite Pine ik her her ik her her ik her her ik her her ik ik gar Maple her her ik ik her	7.00 12.50 11.25 aple 9.50 14.75 16.50 7.50 12.00 16.00 17.00 12.00 aple 9.25 16.50 6.25	Tree of Interest Tree of Interest Tree of Interest Tree of Interest	3362552.607 3362540.769	4850228.610	red red

	Yellow Birch Other	7.50 17.25	Tree of Interest Tree of Interest	3362524.788 3362528.000	4850192.422 4850188.727	quaking aspen
358	Oak	16.50	Tree of Interest	3362506.746	4850229.743	red
	Oak Oak	8.00 13.00	Tree of Interest Tree of Interest	3362507.262 3362500.553	4850241.134 4850256.072	red red fuesed 13/10.5 20 based
	Oak	16.25	Tree of Interest	3362489.249	4850256.348	red
	Basswood Basswood	12.50 8.00	Tree of Interest Tree of Interest	3362493.398 3362490.726	4850259.338 4850264.878	
	Basswood Oak	7.50 15.50	Tree of Interest Tree of Interest	3362495.088	4850244.303	
	Oak	21.50	Special Tree > 20"	3362491.002 3362503.901	4850225.540 4850199.790	red red
	Oak Oak	12.00 17.00	Tree of Interest Tree of Interest	3362447.046 3362435.893	4850202.337 4850203.973	red red 17/13.5 25.5 base
	Basswood	10.00	Tree of Interest	3362436.065	4850214.085	red 17/13.3 23.3 base
	Basswood Oak	11.75 12.50	Tree of Interest Tree of Interest	3362424.679 3362397.332	4850212.745 4850227.987	red
372	Oak	7.50	Tree of Interest	3362400.801	4850238.430	red
	Oak Oak	18.00 14.50	Tree of Interest Tree of Interest	3362388.298 3362420.977	4850248.633 4850228.708	red red
	Oak	12.00	Tree of Interest	3362430.366	4850213.503	red
	Oak Oak	10.00 18.50	Tree of Interest Tree of Interest	3362427.849 3362456.752	4850214.720 4850224.930	red red
	Basswood Basswood	10.50 6.50	Tree of Interest Tree of Interest	3362449.579 3362447.233	4850243.022 4850244.656	
	Oak	13.25	Tree of Interest	3362447.233		red
	Basswood Oak	12.50 14.50	Tree of Interest Tree of Interest	3362484.847 3362470.534	4850226.589 4850238.402	red
383	Sugar Maple	14.50	Tree of Interest	3362436.026	4850257.296	reu
	Oak Oak	11.50 12.50	Tree of Interest Tree of Interest	3362422.207 3362448.873	4850256.241 4850277.922	red
386	Oak	15.75	Tree of Interest	3362468.049	4850280.466	red
	Sugar Maple Oak	7.50 21.00	Tree of Interest Special Tree > 20"	3362478.245 3362459.951	4850283.874 4850278.726	red
389	Sugar Maple	6.25	Tree of Interest	3362514.732	4850304.998	
	Sugar Maple Basswood	6.50 14.50	Tree of Interest Tree of Interest	3362488.211 3362491.298	4850306.028 4850312.516	
392	Sugar Maple Oak	9.50	Tree of Interest	3362504.802	4850304.266 4850376.845	red
394	Basswood	18.25 6.75	Tree of Interest Tree of Interest	3362492.997 3362498.181	4850276.845 4850309.986	red
	Basswood Sugar Maple	11.00 8.25	Tree of Interest Tree of Interest	3362507.198 3362545.117	4850337.306 4850305.128	
397	Sugar Maple	10.25	Tree of Interest	3362521.179	4850309.469	
	Basswood Basswood	8.00 7.25	Tree of Interest Tree of Interest	3362520.068 3362508.468	4850290.444 4850284.063	
400	Sugar Maple	9.00	Tree of Interest	3362527.791	4850264.878	
	Sugar Maple Sugar Maple	18.50 6.25	Tree of Interest Tree of Interest	3362535.233 3362534.691	4850299.985 4850300.043	
403	Sugar Maple	8.50	Tree of Interest	3362552.966	4850277.020	
	Other Basswood	15.25 13.50	Tree of Interest Tree of Interest	3362554.106 3362560.921	4850276.939 4850266.586	red maple
	Sugar Maple	8.00	Tree of Interest	3362565.346	4850262.274	
	Sugar Maple Sugar Maple	13.00 11.25	Tree of Interest Tree of Interest	3362579.301 3362572.072	4850260.593 4850275.315	leaner
	Sugar Maple Sugar Maple	12.75 15.00	Tree of Interest Tree of Interest	3362559.600 3362568.643	4850270.244 4850276.613	
411	Sugar Maple	6.00	Tree of Interest	3362567.988	4850282.290	
	Sugar Maple Sugar Maple	6.50 6.25	Tree of Interest Tree of Interest	3362565.845 3362559.383	4850344.895 4850359.776	
414	Sugar Maple	9.00	Tree of Interest	3362573.165	4850359.629	
	Sugar Maple Sugar Maple	6.50 6.25	Tree of Interest Tree of Interest	3362575.802 3362570.772	4850349.734 4850363.137	
417	Sugar Maple	14.50	Tree of Interest	3362534.442	4850365.714	
	Sugar Maple Sugar Maple	16.50 16.00	Tree of Interest Tree of Interest	3362532.376 3362577.256	4850346.391 4850391.434	
	Sugar Maple	9.00	Tree of Interest	3362562.164	4850382.071	
	Sugar Maple Basswood	13.00 24.25	Tree of Interest Special Tree > 20"	3362543.084 3362583.424	4850409.237 4850371.921	
	Sugar Maple Sugar Maple	17.25 14.50	Tree of Interest Tree of Interest	3362531.348 3362565.075	4850410.931 4850433.710	
425	Sugar Maple	6.00	Tree of Interest	3362525.169	4850429.653	
	Sugar Maple Sugar Maple	8.00 19.50	Tree of Interest Tree of Interest	3362531.275 3362555.467	4850453.502 4850450.429	
428	Sugar Maple	7.00	Tree of Interest	3362582.061	4850453.878	
	Oak Basswood	11.25 16.00	Tree of Interest Tree of Interest	3362554.203 3362566.334	4850442.228 4850456.466	red
	Sugar Maple	10.50	Tree of Interest	3362537.926	4850459.981	
433	Sugar Maple Sugar Maple	24.00 12.50	Special Tree > 20" Tree of Interest	3362563.006 3362563.897	4850481.473 4850498.113	
434	Oak Sugar Maple	19.00 14.50	Tree of Interest Tree of Interest	3362576.475 3362537.040	4850497.959 4850521.626	red
436	Basswood	10.00	Tree of Interest	3362524.870	4850494.592	
	Sugar Maple Basswood	12.00 17.50	Tree of Interest Tree of Interest	3362535.903 3362565.276	4850477.210 4850528.813	
439	Basswood	14.00	Tree of Interest	3362541.688	4850469.639	dying
	Sugar Maple Sugar Maple	8.00 13.00	Tree of Interest Tree of Interest	3362547.887 3362504.060	4850455.019 4850462.647	
442	Yellow Birch	18.00	Tree of Interest	3362534.348	4850445.274	damaged
	Sugar Maple Basswood	14.00 12.25	Tree of Interest Tree of Interest	3362508.217 3362503.406	4850444.924 4850425.323	
	Oak	28.50	Special Tree > 20" Tree of Interest	3362523.800	4850382.304	red
446	Sugar Maple	17.25 9.00	Tree of Interest	3362514.656 3362495.694		dying
447	Basswood		Tree of Interest	3362507.884	4850344.325	
447 448	Basswood	18.50	Tree of Interest	3363/02 126	1250220 201	
447 448 449 450	Basswood Sugar Maple Sugar Maple	18.50 7.00 9.50	Tree of Interest Tree of Interest	3362493.136 3362541.123	4850338.281 4850308.399	
447 448 449 450 451	Basswood Sugar Maple Sugar Maple Sugar Maple	18.50 7.00 9.50 9.50	Tree of Interest Tree of Interest	3362541.123 3362477.809	4850308.399 4850324.772	
447 448 449 450 451 452 453	Basswood Sugar Maple Sugar Maple Sugar Maple Elm Sugar Maple	18.50 7.00 9.50 9.50 7.00 6.75	Tree of Interest Tree of Interest Tree of Interest Tree of Interest	3362541.123 3362477.809 3362467.273 3362441.818	4850308.399 4850324.772 4850346.655 4850357.022	
447 448 449 450 451 452 453 454	Basswood Sugar Maple Sugar Maple Sugar Maple Elm	18.50 7.00 9.50 9.50 7.00	Tree of Interest Tree of Interest Tree of Interest	3362541.123 3362477.809 3362467.273	4850308.399 4850324.772 4850346.655	
447 448 449 450 451 452 453 454 455 456	Basswood Sugar Maple Sugar Maple Sugar Maple Elm Sugar Maple Basswood Basswood	18.50 7.00 9.50 9.50 7.00 6.75 8.50 15.00 13.75	Tree of Interest	3362541.123 3362477.809 3362467.273 3362441.818 3362463.211 3362395.591 3362426.843	4850308.399 4850324.772 4850346.655 4850357.022 4850365.614 4850338.294 4850314.753	
447 448 449 450 451 452 453 454 455 456 457	Basswood Sugar Maple Sugar Maple Sugar Maple Elm Sugar Maple Basswood Basswood	18.50 7.00 9.50 9.50 7.00 6.75 8.50 15.00	Tree of Interest	3362541.123 3362477.809 3362467.273 3362441.818 3362463.211 3362395.591	4850308.399 4850324.772 4850346.655 4850357.022 4850365.614 4850338.294	
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+ ASSOCIATES

WWW.SASLANDARCH.COM

219 WEST FIRST STREET, SUITE 350 DULUTH, MN 55802 (P) 218.391.1335

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ISSUE RECORD/REVISION

PURPOSE	DATE
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DLAND INVEN WOOI

MINNESOTA

SHEET	KEY	

TREE INVENTORY DATA

PROJECT NUMBER

11/1/2021



Minnesota Wetland Conservation Act Notice of Decision

Local Government Unit:	City of Duluth	County: St. Louis				
Applicant Name: Northland	Consulting Engine	ers Applicant Representative: WSP				
Project Name: 2732 Woodla	Project Name: 2732 Woodland Avenue LGU Project No. (if any): PL 21-190					
Date Application Received b	y LGU: 10/18/2021	1				
Date of LGU Decision: 11/13	/2021					
Date this Notice was Sent: 1	11-15-2021					
WCA Decision Type - check al	I that apply					
☑Wetland Boundary/Type	□Sequencing	☐Replacement Plan ☐Bank Plan (r	not credit purchase)			
□No-Loss (8420.0415)		☐Exemption (8420.0420)	· · · · · · · · · · · · · · · · · · ·			
Part: □ A □ B □ C □ D □] г □ г □ с □ н	• • • •	5 П6П7 П8П9			
			<u>, </u>			
Replacement Plan Impacts (re	·	ecisions only)				
Total WCA Wetland Impact A		6 - W				
Wetland Replacement Type:	• •					
	☐ Bank Credits:					
Bank Account Number(s):						
Technical Evaluation Panel Fi	ndings and Recom	mendations (attach if any)				
☐ Approve ☐ Approve w	/Conditions 🗆 D	eny No TEP Recommendation				
I CII Desision						
LGU Decision	- / : C \1	№ A				
☐ Approved with Condition List Conditions:	s (specify below)	□ Approved¹	☐ Denied			
List Conditions:						
Decision-Maker for this App	lication: ⊠ Staff 1	☐ Governing Board/Council ☐ Other:				
Decision is valid for: ⊠ 5 ye	ars (default) □ Ot	her (specify):				
Decision is valid for 2. 5 ye	ars (derdant) = Ot	ner (speeny).				
		SR confirms the withdrawal of any required wetland				
		0.0522, Subp. 9 and evidence that all required forms				
the title of the property on which the	replacement wetland i	is located must be provided to the LGU for the appro	oval to be valid.			
LGU Findings – Attach docum	ent(s) and/or inser	t narrative providing the basis for the LGU	decision ¹ .			
☐ Attachment(s) (specify):						
⊠ Summary: Approve a w	etland delineation	prepared by WSP dated October 18, 2023	1			
¹ Findings must consider any TEP rec	ommendations.					
-						
Attached Project Documents	oiget Dlan/s\/Ds	intions/Deports (specific). Application				
\square Site Location Map $\ oxtimes$ Pr	oject Plan(s)/Descr	iptions/Reports (specify): Application				

Appeals of LGU Decisions

If you wish to appeal this decision, you must provide a written request within 30 calendar days of the date you received the notice. All appeals must be submitted to the Board of Water and Soil Resources Executive Director along with a check payable to BWSR for \$500 unless the LGU has adopted a local appeal process as identified below. The check must be sent by mail and the written request to appeal can be submitted by mail or e-mail. The appeal should include a copy of this notice, name and contact information of appellant(s) and their representatives (if applicable), a statement clarifying the intent to appeal and supporting information as to why the decision is in error. Send to:

Appeals & Regulatory Compliance Coordinator ard of Water & Soils P

Minnesota Board of Water & Soils Resources		
520 Lafayette Road North		
St. Paul, MN 55155		
travis.germundson@state.mn.us		
Does the LGU have a <u>local appeal process</u> app	olicable to this decision?	
$^{1}\!\mathit{If}$ yes, all appeals must first be considered via the	local appeals process.	
Local Appeals Submittal Requirements (LGU must	t describe how to appeal, s	submittal requirements, fees, etc. as applicable)
Planning Commission 160 City Hall, 411	West First Street Dulut	:h, MN 55802
Notice Distribution (include name)		
Required on all notices:		
SWCD TEP Member: R.C. Boheim	⊠ BWSR TEP N	Member: David Demmer
a sweb 121 Member 1110 Benem		nember: David Demmer
□ LGU TEP Member (if different than LGU conta	ct): Kyle Deming	
☑ DNR Representative: Sam Martin		
☐ Watershed District or Watershed Mgmt. Org.:	: NA	
☐ Applicant (notice only):	☑ Agent/Consultant	(notice only):
Optional or As Applicable:		
☐ Corps of Engineers:		
☐ BWSR Wetland Mitigation Coordinator (requir	red for bank plan application	ons only):
☐ Members of the Public (notice only):		Other:
,,		
1/.0		Date: 11-13-2021
hyle Denning		
,		
Signature:		
L		

This notice and accompanying application materials may be sent electronically or by mail. The LGU may opt to send a summary of the application to members of the public upon request per 8420.0255, Subp. 3.



PARCEL 010-4680-01265 WETLAND DELINEATION REPORT

NORTHLAND CONSULTING ENGINEERS

DATE: OCTOBER 2021

WSP USA INC. 4602 GRAND AVENUE SUITE 300 DULUTH, MN 55807

WSP.COM



1	INTRODUCTION	1
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2.1	Desktop Review	2
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3	RESULTS	3
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FIGURES

FIGURE 1 SITE LOCATION

FIGURE 2 WETLAND BOUNDARY AND SAMPLING

POINT LOCATIONS

FIGURE 3 1991 AERIAL IMAGE

APPENDICES

APPENDIX A SITE PHOTOGRAHS

APPENDIX B USACE WETLAND DETERMINATION DATA FORMS

APPENDIX C USDA SOIL SURVEY INFORMATION

1 INTRODUCTION

WSP USA, Inc. (WSP) completed a wetland delineation for City of Duluth Parcel Id 010-04680-01265 (Site). The Site is located at 2732 Woodland Avenue in Section 2 of Township 50 North, Range 14 West in Duluth, Minnesota (**Figure 1**). The delineation area covers approximately 8.3 acres within Duluth Parcel Id 010-04680-01265 as shown in **Figure 2**. The Site consists of a former residential property where the house has been removed. Land cover within and the Site is open grassland (former mowed yard), hardwood forest, a pond, and some wetland. The adjacent land use is residential to the north, east, and south with Hartley Nature Center to the west.

The purpose of the wetland delineation was to identify wetland and other aquatic resource boundaries and classify the wetland plant community types. The delineation will be used to aid in project planning and to identify potential wetland and aquatic resource impacts.

WSP was on-site to conduct the wetland delineation on October 15, 2021. Normal circumstances were present during the time of the site visit. The National Weather Service monthly climate report for Duluth, MN reported antecedent precipitation 5.99 inches below normal since January 1st and 0.18 inches below normal since September 1st. The results of the delineation are presented in this report.

2 DELINEATION METHODOLOGY

Wetlands present within the Site were identified and delineated using the procedures described in the *U.S. Army Corps of Engineers (USACE) Wetlands Delineation Manual* (Environmental Laboratory, Waterways Experiment Station, 1987) and the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region* (US Army Engineer Research and Development Center, 2011). These methods utilize the standard multi-parameter approach (vegetation, hydrology, and soils) for wetland identification as outlined in the Corps of Engineers Wetland Determination Data Forms. In general, an area is considered a wetland if hydrophytic vegetation, wetland hydrology, and hydric soils are present. Delineated wetlands were classified in accordance with the classification systems set forth in *Wetlands of the United States* (Shaw and Fredine. 1971. USFWS Circular 39) and *Wetlands and Deepwater Habitats of the United States* (Cowardin et al., 1979. FWS/OBS Publication 79/31).

2.1 DESKTOP REVIEW

WSP completed a desktop review for the Site by reviewing and analyzing a variety of available information to identify the presence or absence of wetlands. Resources reviewed include:

- U.S. Fish and Wildlife Service National Wetland Inventory (NWI)
- Minnesota Department of Natural Resources (MNDNR) Public Waters Inventory (PWI)
- Natural Resources Conservation Service (NRCS) Web Soil Survey
- U.S. Geological Survey (USGS) Topographic base map
- Aerial photos
- Light Detection and Ranging (LiDAR) Data
- National Weather Service (NWS) Climatological Report

The NWI and PWI did not identify any wetlands or public waters within the Site. The soil survey also did not identify any hydric soils within the delineation area.

2.2 ON-SITE WETLAND DELINEATION

WSP's on-site wetland delineation followed the USACE procedure for identifying wetland boundaries by completing the appropriate number of sampling points, investigating the required wetland criteria, and identifying the boundary between wetland and upland areas. A soil sampling auger or tiling shovel was used to complete soil sampling points and check the soils and hydrology at periodic intervals throughout the delineated boundary to confirm accuracy and/or adjust the boundary accordingly. All wetland boundaries within the property were flagged with Wetland Delineation flagging tape and geolocated using a sub-meter accuracy global positioning system (GPS) and incorporated into a geographic information system (GIS) using ArcGIS 10.7 GIS software. The Site GPS data is being used to aid in Site planning.

3 RESULTS

3.1 WETLAND DELINEATION

Two wetlands, Wetland A and Wetland B were identified within the delineation area.

Wetland A is located in the southcentral part of the delineation area and covers approximately 0.12 acres. Wetland A appears to be a manmade pond. A rip rap catch basin adjacent to the garage captures precipitation that flows through a culvert and ephemeral drainage into the west part of Wetland A. There is a spillway connecting the west part of wetland A to the east portion of Wetland A. A large berm surrounds the south and east sides of the pond. The pond is not visible on the 1991 aerial image attached as Figure 3. The west part of Wetland A appears to hold water seasonally or after precipitation events and is a Type 1 – Seasonally Saturated Basin. The east portion is much larger and has a larger watershed. The east part of Wetland A is a Type 3 – Shallow Marsh plant community dominated by *Alnus incana* and *Salix interior* in the shrub layer along the edge with *Equisetum hyemale* and *Scirpus cyperinus* in the herbaceous layer. The Wetland A sampling point met wetland hydrology criteria A2 – High Water Table, A3 – Saturation, and D5 – FAC-Neutral Test. Hydric soil indicators F3 – Depleted Matrix, and F8 – Redox Depressions were present. Wetland A is not identified on the NWI or PWI. The source of hydrology for Wetland A appears to be from precipitation and runoff.

Wetland B is located in the southeast corner of the property and covers approximately 0.07 acres. Wetland B is a Type 6 – Shrub-carr dominated by invasive, nonnative, *Frangula alnus* in the shrub layer with nonnative *Myosotis scorpoides* in the herbaceous layer. The Wetland B sampling point met wetland hydrology criteria A3 – Saturation and D5 – FAC-Neutral Test. Hydric soil indicators F6 - Redox Dark Surface and F8 – Redox Depressions were present. Wetland B is not identified on the NWI or PWI. Wetland B receives runoff from an ephemeral drainage and discharges on a slope to Woodland Avenue. The source of hydrology for Wetland B appears to be from precipitation. Water table and saturation was not observed at the time of sampling due to below normal precipitation conditions.

Four sampling points were completed within and adjacent to Site wetlands to characterize the vegetation, soils, and hydrology. Sampling point locations were chosen to delineate the upland/wetland boundary and characterize the different plant communities. Sampling points were labeled with an alphabetical wetland identifier, followed by the sampling point number, then an upland or wetland designation (e.g. A1W is associated with Wetland A (A), and is the first (1) wetland (W) sampling point).

See **Figure 2** for details on the wetland boundaries and sampling point locations, and **Figure 3** for 1991 aerial image. Photographs of select Site features are included in **Appendix A**. Specifics of observed vegetation, hydrology, and soil characteristics of the Site wetlands are included on the USACE Wetland Determination Data Forms for Routine Determination in **Appendix B**. The soil survey map units and hydric soil classifications are included in **Appendix C**.

4 SUMMARY

The delineated wetlands meet the criteria outlined in the USACE Wetlands Delineation Manual and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region. The boundaries of the wetlands will be submitted to the Local Government Unit (LGU), along with a Minnesota Joint Application Form requesting delineation concurrence.

Prepared by:

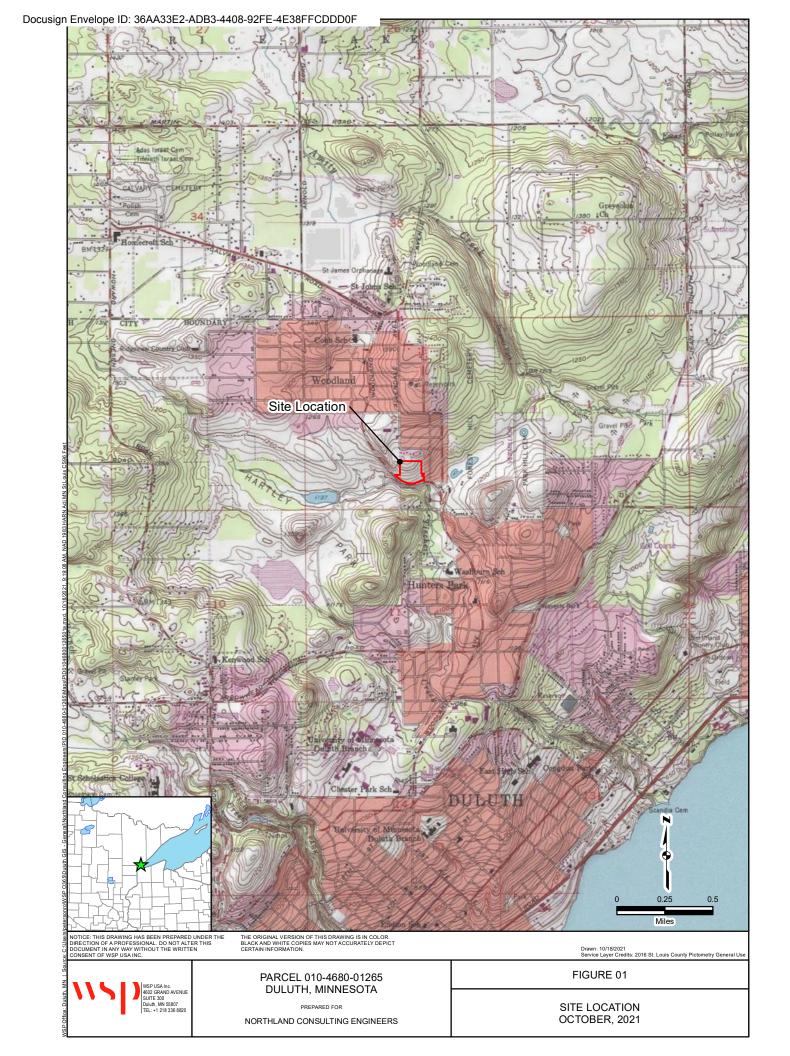
Rob Peterson

Certified Wetland Delineator, No. 1039 (MN) Professional Wetland Scientist, No. 2443

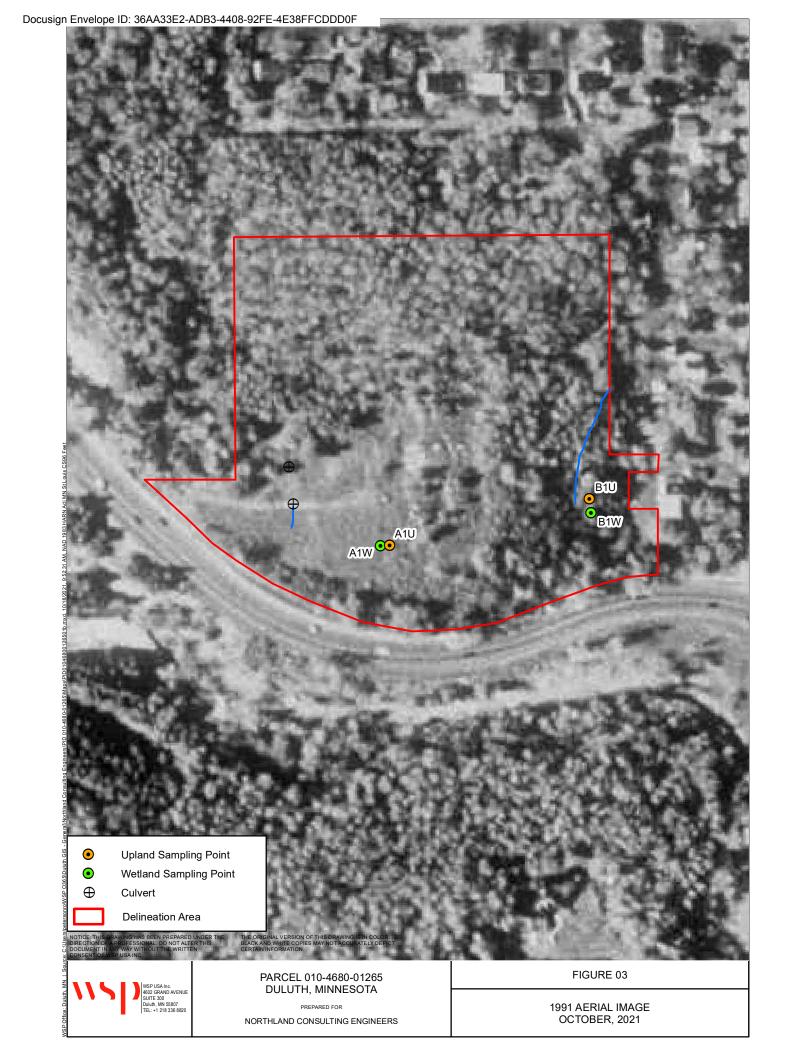
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- USDA, Natural Resources Conservation Service. 2021. Custom Soil Resource Report, http://websoilsurvey.sc.egov.usda.gov/.









APPENDIX

A SITE PHOTOGRAPHS



Photo 1:Wetland A at sampling point A1W facing southwest. Shallow Marsh plant community. Appears to be excavated.



Photo 2:Wetland A at sampling point A1W facing north.



PHOTO LOG PARCEL ID 010-4680-01265



Photo 3: View of upland slope facing northeast from Wetland A.



Photo 4:Wetland B at sampling point B1W facing west. Shrub-carr plant community.





Photo 5:Wetland B at sampling point B1U facing north. Hardwood Forest plant community.

Photo 6:Click or tap here to enter text.



APPENDIX

B USACE WETLAND DETERMINATION DATA FORMS

Project/Site: Parcel Id 010-4680-01265	City/County: Duluth Sampling Date: 10/15/21
Applicant/Owner: Northland Consulting Engineers	State: MN Sampling Point: A1U
Investigator(s): WSP - Rob Peterson	Section, Township, Range: Sec. 2, T50n, R14W
Landform (hillside, terrace, etc.): Backslope	Local relief (concave, convex, none): convex Slope %: 8-10
Subregion (LRR or MLRA): LRR K Lat: 46.83888	
Soil Map Unit Name: F138D-Ahmeek-Normanna-Canosia comple	
Are climatic / hydrologic conditions on the site typical for this time of	
	<u> </u>
Are Vegetation, SoilX, or Hydrologysignificar	
Are Vegetation, Soil, or Hydrologynaturally	problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing	ng sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area
Hydric Soil Present? Yes No	
Wetland Hydrology Present? Yes No X	
Remarks: (Explain alternative procedures here or in a separate re	
Open grassland upslope from pond. Soils appear to be fill. Anteces	. ,
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that app	oly) Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained	
High Water Table (A2) Aquatic Fauna	· · · · · · · · · · · · · · · · · · ·
Saturation (A3)Marl Deposits (
Water Marks (B1) Hydrogen Sulfie	
1 — · · · · · · · · · · · · · · · · · ·	spheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
	educed Iron (C4) Stunted or Stressed Plants (D1)
	duction in Tilled Soils (C6) Geomorphic Position (D2)
Iron Deposits (B5) — Thin Muck Surf	
Inundation Visible on Aerial Imagery (B7) Other (Explain	
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
	(inches):
	(inches):
<u> </u>	(inches): Wetland Hydrology Present? Yes No _ X
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial ph	notos, previous inspections), if available:
Remarks:	
^	

$\label{eq:VEGETATION} \textbf{VEGETATION} - \textbf{Use scientific names of plants}.$

lants.	D	Lasteration	
% Cover	Species?	Status	Dominance Test worksheet:
			Number of Dominant Species
			That Are OBL, FACW, or FAC: 0 (A)
			Total Number of Dominant Species Across All Strata: 3 (B)
			(2)
	· ——		Percent of Dominant Species
			That Are OBL, FACW, or FAC: 0.0% (A/B
			Prevalence Index worksheet:
	=Total Cover		Total % Cover of: Multiply by:
)			OBL species 0 x 1 = 0
			FACW species 0 x 2 = 0
			FAC species 0 x 3 = 0
			FACU species 97 x 4 = 388
•			UPL species 0 x 5 = 0
			Column Totals: 97 (A) 388 (B
			Prevalence Index = B/A = 4.00
			Hydrophytic Vegetation Indicators:
	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
-	- Total Govel		2 - Dominance Test is >50%
0.5	V	E4011	
			3 - Prevalence Index is ≤3.0 ¹
			4 - Morphological Adaptations ¹ (Provide supportine data in Remarks or on a separate sheet)
20	Yes	FACU	
10	No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
2	No	FACU	¹ Indicators of hydric soil and wetland hydrology must
			be present, unless disturbed or problematic.
			Definitions of Vegetation Strata:
			Tree – Woody plants 3 in. (7.6 cm) or more in
. '			diameter at breast height (DBH), regardless of height
			Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
07	-Total Cover		Herb – All herbaceous (non-woody) plants, regardles of size, and woody plants less than 3.28 ft tall.
	= 10tal Covel		of size, and woody plants less than 3.20 it tall.
١			
)			
)			Woody vines – All woody vines greater than 3.28 ft in height.
			height.
			Woody vines – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation
	·		height. Hydrophytic
	35 30 20 10	## Cover Species? ## Species? ## Total Cover ## =Total Cover ## 35	## Cover Species? Status

Docusign Envelope ID: 36AA33E2-ADB3-4408-92FE-4E38FFCDDD0F SOIL Sampling Point: A1U Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Depth Matrix Redox Features (inches) Color (moist) % Color (moist) Loc² Texture Type¹ Remarks 0-22 5YR 4/3 Loamy/Clayey with gravel 100 ¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ²Location: PL=Pore Lining, M=Matrix. **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L, R) Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) ³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic

Re

estrictive Layer (if observed):				
Туре:				
Depth (inches):	Hydric Soil Present?	Yes	No	_

Remarks:

Soil is likely fill material.

Project/Site: Parcel Id 010-4680-01265	City/County: Duluth Sampling Date: 10/15/21			
Applicant/Owner: Northland Consulting Engineers	gineers State: MN Sampling Point: A1V			
Investigator(s): WSP - Rob Peterson	Section, Township, Range: Sec. 2, T50N, R14W			
	relief (concave, convex, none): concave Slope %: 0-1			
Subregion (LRR or MLRA): LRR K Lat: 46.83888	Long: -92.07858 Datum: WGS84			
Soil Map Unit Name: F138D-Ahmeek-Normanna-Canosia complex, 0 to 18				
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes No X (If no, explain in Remarks.)			
Are Vegetation , Soil , or Hydrology significantly disturb				
Are Vegetation, Soil, or Hydrology naturally problema				
				
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.			
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area			
Hydric Soil Present? Yes X No	within a Wetland? Yes X No			
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:			
Remarks: (Explain alternative procedures here or in a separate report.)				
Sampling point was completed in Wetland A that appears to be a man-mad				
be part of home construction completed after 1991. Antecedent precipitation	n is below normal.			
HYDROLOGY				
	Consequent leading to a factor of the consequence of			
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)			
Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) Water Stained Leaves (5)	Surface Soil Cracks (B6)			
Surface Water (A1) Water-Stained Leaves (E X High Water Table (A2) Aquatic Fauna (B13)	39) Drainage Patterns (B10) Moss Trim Lines (B16)			
X Saturation (A3) Advatic Faulta (B13) Marl Deposits (B15)	Dry-Season Water Table (C2)			
Water Marks (B1) Water Marks (B1) Hydrogen Sulfide Odor (C				
Sediment Deposits (B2) Oxidized Rhizospheres of				
Drift Deposits (B3) Presence of Reduced Iro	<u> </u>			
Algal Mat or Crust (B4) Recent Iron Reduction in	<u> </u>			
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)			
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark				
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)			
Field Observations:				
Surface Water Present? Yes No X Depth (inches):				
Water Table Present? Yes X No Depth (inches):				
Saturation Present? Yes X No Depth (inches):				
(includes capillary fringe)				
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre-	vious inspections), if available:			
Remarks:				
Surface water present within 10 feet of the sampling point.				

$\label{eq:VEGETATION} \textbf{VEGETATION} - \textbf{Use scientific names of plants}.$

Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:		
1				Number of Dominant Species That Are OBL, FACW, or FAC:4(A)		
3. 4.				Total Number of Dominant Species Across All Strata: 4 (B)		
5.6.				Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)		
7				Prevalence Index worksheet:		
		=Total Cover		Total % Cover of: Multiply by:		
Sapling/Shrub Stratum (Plot size:)				OBL species 20 x 1 = 20		
1. Alnus incana	5	Yes	FACW	FACW species 8 x 2 = 16		
2. Salix interior	3	Yes	FACW	FAC species 80 x 3 = 240		
3.				FACU species 0 x 4 = 0		
4.				UPL species 0 x 5 = 0		
5.				Column Totals: 108 (A) 276 (B)		
		· ——		Prevalence Index = B/A = 2.56		
7.		· ——		Hydrophytic Vegetation Indicators:		
<i>'</i>		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation		
	8	= Total Cover				
Herb Stratum (Plot size: 5 FT)				X 2 - Dominance Test is >50%		
1. Equisetum hyemale	80	Yes	FAC	X 3 - Prevalence Index is ≤3.0 ¹		
 Scirpus cyperinus . 	20	Yes	OBL	4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)		
4.				Problematic Hydrophytic Vegetation ¹ (Explain)		
5.				¹ Indicators of hydric soil and wetland hydrology must		
6		·		be present, unless disturbed or problematic. Definitions of Vegetation Strata:		
7. 8.				•		
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.		
10				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.		
12				Herb – All herbaceous (non-woody) plants, regardless		
	100	=Total Cover		of size, and woody plants less than 3.28 ft tall.		
Woody Vine Stratum (Plot size:) 1.				Woody vines – All woody vines greater than 3.28 ft in height.		
0				··o.g····		
2				Hydrophytic		
				Vegetation		
4.	_			Present?		
		=Total Cover				
Remarks: (Include photo numbers here or on a sepa	rate sheet.)					

Sampling Point:

A1W

SOIL Sampling Point A1W

		the de	-			tor or co	onfirm the absence of indic	ators.)
Depth	Matrix			Featur		. 2		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-12	5YR 4/2	80	5YR 4/6	20	С	M	Loamy/Clayey	
1 T			A. Dadwaad Matrix N		Lad Can		21 and in a Di Daw	a Lining NA Matrix
Hydric Soil	oncentration, D=Deple	etion, Riv	i=Reduced Matrix, IV	i5=iviasi	ked Sand	Grains.	² Location: PL=Pore	
-			Polyvalue Belo	w Curfo	00 (50) (I DD D		blematic Hydric Soils ³ : 0) (LRR K, L, MLRA 149B)
Histosol	(AT) ipedon (A2)		MLRA 149B)		ce (36) (i	LKK K,		dedox (A16) (LRR K, L, R)
Black Hi			Thin Dark Surfa		(IRR R	MI RA 1		eat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S					w Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky I			-		ace (S9) (LRR K, L)
	Below Dark Surface	(A11)	Loamy Gleyed			11, =/		e Masses (F12) (LRR K, L, R)
	rk Surface (A12)	(, , , ,	X Depleted Matrix		,			dplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su		6)			TA6) (MLRA 144A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark				Red Parent Ma	
	edox (S5)		X Redox Depress					Oark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Explain	in Remarks)
Dark Sui	face (S7)						_	
³ Indicators of	hydrophytic vegetation	on and w	etland hydrology mu	st be pr	esent, ur	nless dist	urbed or problematic.	
Restrictive I	ayer (if observed):							
Type:								
Depth (ir	nches):						Hydric Soil Present?	Yes No
Remarks:								

Project/Site: Parcel Id 010-4680-01265	C	ity/County: Duluth		Sampling Date: 10/15/21	
Applicant/Owner: Northland Consulting En	gineers	Sampling Point: B1U			
Investigator(s): WSP - Rob Peterson		Section, Tow	nship, Range: Sec. 2,	T50N, R14W	
Landform (hillside, terrace, etc.): Backslope	Local reli		, none): convex		
Subregion (LRR or MLRA): LRR K	Lat: 46.83904	•	-92.07731	Datum: WGS84	
Soil Map Unit Name: F138D-Ahmeek-Norman			NWI classification:		
		-			
Are climatic / hydrologic conditions on the site ty	•	Yes		explain in Remarks.)	
Are Vegetation, Soil, or Hydrolo			al Circumstances" pres		
Are Vegetation, Soil, or Hydrolo	gynaturally problematic	? (If needed,	explain any answers in	n Remarks.)	
SUMMARY OF FINDINGS – Attach s	ite map showing sampli	ing point location	ons, transects, im	portant features, etc.	
Hydrophytic Vogotation Propert?	Yes X No	Is the Sampled Are			
		within a Wetland?	Yes	No X	
		If yes, optional Wetl		<u> </u>	
Remarks: (Explain alternative procedures here		,			
Hardwood Forest. Antecedent precipitation is b	,				
· ·					
HYDROLOGY					
Wetland Hydrology Indicators:		<u> </u>	Secondary Indicators (r	minimum of two required)	
Primary Indicators (minimum of one is required	d; check all that apply)		Surface Soil Crack	s (B6)	
Surface Water (A1)	Water-Stained Leaves (B9)	_	Drainage Patterns	(B10)	
High Water Table (A2)	Aquatic Fauna (B13)	_	Moss Trim Lines (B16)		
Saturation (A3)	Marl Deposits (B15)	_	Dry-Season Water Table (C2)		
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	_	Crayfish Burrows (C8)		
Sediment Deposits (B2)	Oxidized Rhizospheres on I	Living Roots (C3)	Saturation Visible of	on Aerial Imagery (C9)	
Drift Deposits (B3)	Presence of Reduced Iron ((C4)	Stunted or Stresse	d Plants (D1)	
Algal Mat or Crust (B4)	Recent Iron Reduction in Ti	illed Soils (C6)	Geomorphic Position (D2)		
Iron Deposits (B5)	Thin Muck Surface (C7)	_	Shallow Aquitard ([D3)	
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	_	Microtopographic F	Relief (D4)	
Sparsely Vegetated Concave Surface (B8))	-	FAC-Neutral Test (D5)	
Field Observations:					
Surface Water Present? Yes	No X Depth (inches):				
	No X Depth (inches):				
Saturation Present? Yes	No X Depth (inches):	Wetland	Hydrology Present?	Yes No _X_	
(includes capillary fringe)					
Describe Recorded Data (stream gauge, monit	toring well, aerial photos, previo	ous inspections), if av	ailable:		
Remarks:					
No wetland hydrology observed.					

VEGETATION – Use scientific names of plants.

/EGETATION – Use scientific names of p	nants.				Sampling Poi	int: B1l	<u>, </u>
Tree Stratum (Plot size: 30 FT)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test	worksheet:		
Betula papyrifera	30	Yes	FACU	Number of Domina	ant Species		
2. Pinus strobus	5	No	FACU	That Are OBL, FA		2	(A)
3. Rhamnus cathartica	5	No	FAC	Total Number of D	ominant		
4				Species Across Al		3	(B)
5				Percent of Domina	int Species		
6.				That Are OBL, FA	•	66.7%	(A/B)
7				Prevalence Index	worksheet:		
	40	=Total Cover		Total % Cove	er of:	Multiply by:	
Sapling/Shrub Stratum (Plot size: 15 FT)			OBL species	0 x ′	1 =0	
1. Rhamnus cathartica	20	Yes	FAC	FACW species	0 x 2	2 = 0	
2.				FAC species	55 x 3	3 = 165	
3.				FACU species	35 x 4	4 = 140	
4.				UPL species	0 x 5	5 = 0	
5.				Column Totals:	90 (A	.) 305	— (B)
6.				Prevalence	Index = B/A =	3.39	
7.				Hydrophytic Vege	etation Indicate	ors:	
	20	=Total Cover			for Hydrophytic		
Herb Stratum (Plot size: 5 FT)		•		X 2 - Dominance			
1. Rhamnus cathartica	30	Yes	FAC	3 - Prevalence			
2.				4 - Morphologi	cal Adaptations		
3 4.					ydrophytic Veg		•
5.				1 <u>.</u>			
6.				¹ Indicators of hydri be present, unless			must
7	_			Definitions of Veg	getation Strata	:	
8		·		Tree – Woody plan			
9				diameter at breast	height (DBH), i	regardless of	height.
10.				Sapling/shrub – V			DBH
11.	_			and greater than o	r equal to 3.28	ft (1 m) tall.	
12				Herb – All herbace			ardless
		=Total Cover		of size, and woody	plants less tha	in 3.28 ft tall.	
Woody Vine Stratum (Plot size:)			Woody vines – Al	I woody vines g	reater than 3	.28 ft in
1	-			height.			
2	<u> </u>			Hydrophytic			
3	_			Vegetation			
4.				Present?	Yes X	No	
		=Total Cover		I			

US Army Corps of Engineers

SOIL Sampling Point: B1U Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Depth Matrix Redox Features (inches) Color (moist) % Color (moist) Loc² Texture Remarks Type¹ 0-20 7.5YR 7/3 Loamy/Clayey 100 ¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ²Location: PL=Pore Lining, M=Matrix. **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L, R) Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) ³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Rock Depth (inches): 10 **Hydric Soil Present?** No X Remarks:

Project/Site: Parcel Id 010-4680-01265	City/County: Duluth Sampling Date: 10/15/21
Applicant/Owner: Northland Consulting Engineers	State: MN Sampling Point: B1W
Investigator(s): WSP - Rob Peterson	Section, Township, Range: Sec. 2, T50N, R14W
	relief (concave, convex, none): concave Slope %: 0-1
Subregion (LRR or MLRA): LRR K Lat: 46.83904	Long: -92.07731 Datum: WGS84
Soil Map Unit Name: F138D-Ahmeek-Normanna-Canosia complex, 0 to 189	
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes No X (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturbed	<u> </u>
Are Vegetation, Soil, or Hydrology naturally problemati	
SUMMARY OF FINDINGS – Attach site map showing samp	
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.) Sampling point was completed in Wetland B that is connected to an epheme and true forget-me-not. Antecedent precipitation is below normal.	eral drainage. Wetland B is a chrub-carr dominated by glossy buckthorn
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves (B	Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (C	C1) Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizospheres or	n Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduced Iron	on (C4) Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4) Recent Iron Reduction in	Tilled Soils (C6) Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surface (C7)	? Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark:	
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No X Depth (inches):	
Water Table Present? Yes No X Depth (inches):	
Saturation Present? Yes X No Depth (inches):	10 Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev	vious inspections), if available:
Remarks:	

$\label{eq:VEGETATION} \textbf{VEGETATION} - \textbf{Use scientific names of plants}.$

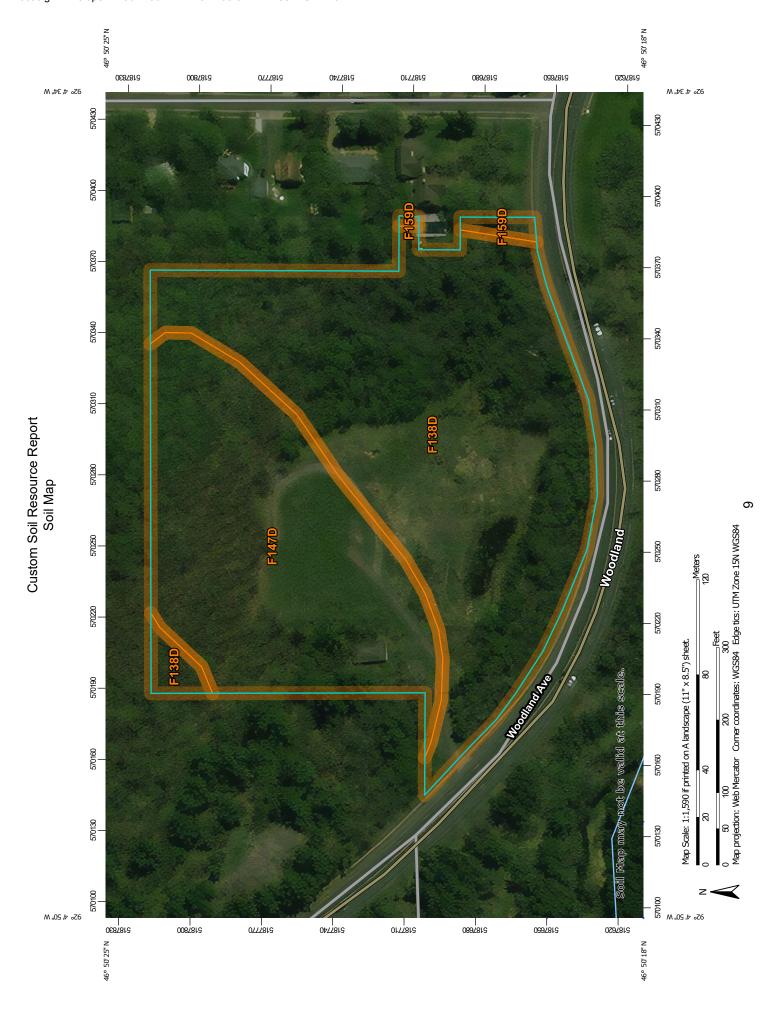
	lants.					
Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:		
				Number of Dominant Species		
·				That Are OBL, FACW, or FAC: (A)		
				Total Number of Deminent		
				Total Number of Dominant Species Across All Strata: 2 (B)		
				(2)		
				Percent of Dominant Species		
·				That Are OBL, FACW, or FAC: 100.0% (A/B		
				Prevalence Index worksheet:		
		=Total Cover		Total % Cover of: Multiply by:		
apling/Shrub Stratum (Plot size: 15 FT))			OBL species 60 x 1 = 60		
Frangula alnus	30	Yes	FAC	FACW species 5 x 2 = 10		
				FAC species 30 x 3 = 90		
		·		FACU species 0 x 4 = 0		
				UPL species 0 x 5 = 0		
·		·		Column Totals: 95 (A) 160 (B		
				Prevalence Index = B/A =1.68		
· <u>-</u>				Hydrophytic Vegetation Indicators:		
	30	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation		
erb Stratum (Plot size: 5 FT)				X 2 - Dominance Test is >50%		
Myosotis scorpioides	60	Yes	OBL	X 3 - Prevalence Index is ≤3.0 ¹		
. Carex intumescens	5	No	FACW	4 - Morphological Adaptations ¹ (Provide supporting		
				data in Remarks or on a separate sheet)		
-				5 11 5 11 1 5 17 15 17		
l				Problematic Hydrophytic Vegetation ¹ (Explain)		
i				¹ Indicators of hydric soil and wetland hydrology must		
j				be present, unless disturbed or problematic.		
				Definitions of Vegetation Strata:		
i		. <u> </u>		Tree – Woody plants 3 in. (7.6 cm) or more in		
				diameter at breast height (DBH), regardless of height		
0.						
1.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.		
-				and greater than or equal to 5.25 it (1 iii) tail.		
2				Herb – All herbaceous (non-woody) plants, regardles		
	65	=Total Cover		of size, and woody plants less than 3.28 ft tall.		
				Woody vines - All woody vines greater than 3.28 ft in		
Voody Vine Stratum (Plot size:				height.		
·						
·				Hydrophytic		
				Vegetation		
1		=Total Cover		Vegetation		

SOIL Sampling Point B1W

	-	to the de	-			tor or co	onfirm the absence of indic	ators.)
Depth	Matrix			k Featur		. 2		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-10	7.5YR 3/1	80	7.5YR 4/6	20	С	M	Loamy/Clayey	
1 _{Type:} C-C	oncentration, D=Depl	otion PA	A-Roduced Metrix N		Lod Sone	Croins	² Location: PL=Por	a Lining M-Matrix
Hydric Soil		etion, Ki	ri=Reduced Matrix, IV	15=IVIASI	keu Sand	Grains.		blematic Hydric Soils ³ :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (I	I RR R		0) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B		CC (OO) (I	LIXIX IX,	· · · · · · · · · · · · · · · · · · ·	Redox (A16) (LRR K, L, R)
Black Hi			Thin Dark Surfa		(LRR R	MLRA 1		eat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S					w Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky			-		ace (S9) (LRR K, L)
	Below Dark Surface	e (A11)	Loamy Gleyed			, ,		se Masses (F12) (LRR K, L, R)
	rk Surface (A12)	` ,	Depleted Matrix		,			dplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		X Redox Dark Su		·6)			TA6) (MLRA 144A, 145, 149B)
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Parent Ma	aterial (F21)
Sandy R	edox (S5)		X Redox Depress	sions (F	B)		Very Shallow D	Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Explain	in Remarks)
Dark Sui	face (S7)							
		ion and v	vetland hydrology mu	ıst be pr	esent, ur	nless dist	urbed or problematic.	
	_ayer (if observed):							
Type:	Roc	:k						
Depth (ir	nches):	10					Hydric Soil Present?	Yes No
Remarks:								

APPENDIX

C USDA SOIL SURVEY INFORMATION



This product is generated from the USDA-NRCS certified data as distance and area. A projection that preserves area, such as the Date(s) aerial images were photographed: Dec 31, 2009—Sep Maps from the Web Soil Survey are based on the Web Mercator contrasting soils that could have been shown at a more detailed Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil The orthophoto or other base map on which the soil lines were Soil Survey Area: St. Louis County, Minnesota, Duluth Part compiled and digitized probably differs from the background projection, which preserves direction and shape but distorts Soil map units are labeled (as space allows) for map scales Source of Map: Natural Resources Conservation Service imagery displayed on these maps. As a result, some minor Albers equal-area conic projection, should be used if more The soil surveys that comprise your AOI were mapped at line placement. The maps do not show the small areas of Please rely on the bar scale on each map sheet for map accurate calculations of distance or area are required. Coordinate System: Web Mercator (EPSG:3857) MAP INFORMATION Warning: Soil Map may not be valid at this scale. shifting of map unit boundaries may be evident. Version 19, Sep 10, 2021 of the version date(s) listed below. Web Soil Survey URL: Survey Area Data: 1:50,000 or larger. measurements. 1:24,000. 13, 2016 Special Line Features Streams and Canals Interstate Highways Aerial Photography Very Stony Spot Major Roads Local Roads Stony Spot US Routes Spoil Area Wet Spot Other Rails Nater Features ransportation **3ackground** MAP LEGEND W 8 ◁ ŧ Soil Map Unit Polygons Severely Eroded Spot Area of Interest (AOI) Soil Map Unit Points Miscellaneous Water Soil Map Unit Lines Closed Depression Marsh or swamp Perennial Water Mine or Quarry Rock Outcrop Special Point Features **Gravelly Spot** Saline Spot Slide or Slip Sandy Spot Sodic Spot **Borrow Pit** Lava Flow **Gravel Pit** Clay Spot Area of Interest (AOI) Sinkhole Blowout Landfill 9 A Soils

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
F138D	Ahmeek-Normanna-Canosia complex, 0 to 18 percent slopes	5.1	60.9%
F147D	Ahmeek-Canosia-Rock outcrop complex, 0 to 25 percent slopes	3.2	38.3%
F159D	Urban land-Ahmeek-Normanna complex, 3 to 18 percent slopes	0.1	0.8%
Totals for Area of Interest	,	8.3	100.0%

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.



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Custom Soil Resource Report

Table—Hydric Rating by Map Unit

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
F138D	Ahmeek-Normanna- Canosia complex, 0 to 18 percent slopes	12	5.1	60.9%
F147D	Ahmeek-Canosia-Rock outcrop complex, 0 to 25 percent slopes	25	3.2	38.3%
F159D	Urban land-Ahmeek- Normanna complex, 3 to 18 percent slopes	5	0.1	0.8%
Totals for Area of Interest			8.3	100.0%

Rating Options—Hydric Rating by Map Unit

Aggregation Method: Percent Present

Component Percent Cutoff: None Specified

Tie-break Rule: Lower