NEWCASTLE, WASHINGTON

TREE CANOPY ASSESSMENT

TOTAL STUDY AREA
2,853 ACRES

TREE CANOPY
1,328 ACRES (47%)

PLANTABLE SPACE
652 ACRES (23%)

Newcastle's urban forest is a valuable asset that provides residents and visitors with many ecological, environmental, and community benefits. This assessment analyzed the City's urban tree canopy (UTC) and possible planting area (PPA) within five geographic boundaries. The results provide baseline data to develop strategies to protect and expand Newcastle's trees and natural areas during planning and development. The maps and project report help to concentrate efforts in areas where needs are greatest, tree planting space is available, and benefits can be realized.

LAND COVER

47% TREE CANOPY

23% NON-CANOPY VEGETATION

24% IMPERVIOUS

5% SOIL & DRY VEGETATION

1% WATER

- TREE CANOPY
- NON-CANOPY VEGETATION
- BUILDINGS
- ROADS
- PARKING LOTS
- SIDEWALKS
- OTHER IMPERVIOUS
- SOIL & DRY VEGETATION
- WATER

Note: Land cover percentages are based on total area. Urban tree canopy percentages are based on land area only.

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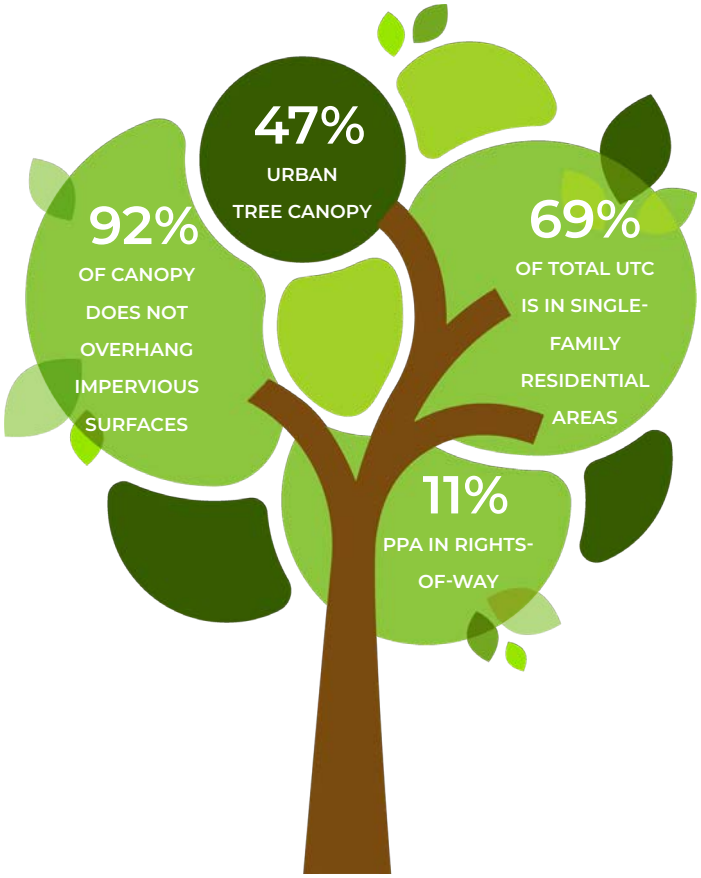
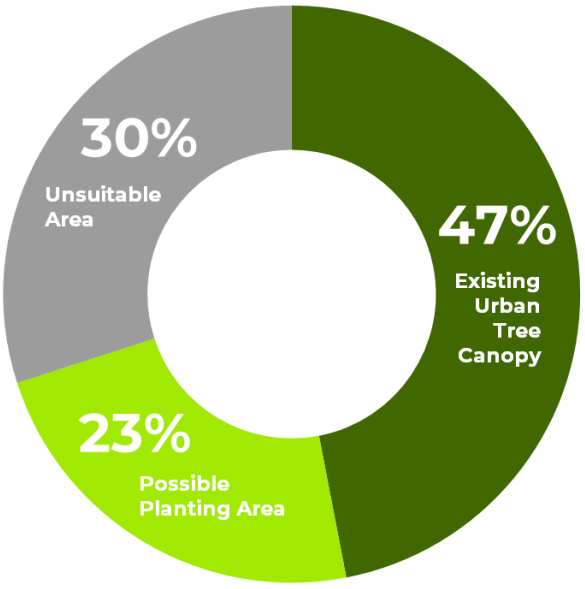
Tree canopy data were analyzed for Newcastle's land use categories to determine the distribution of existing and potential urban tree canopy throughout the city. Undesigated areas had the highest canopy coverage at 61%, followed by Single-family residential areas at 51%. 69% of all canopy in the City was found within Single-Family Residential areas, as well as 65% of all plantable space.

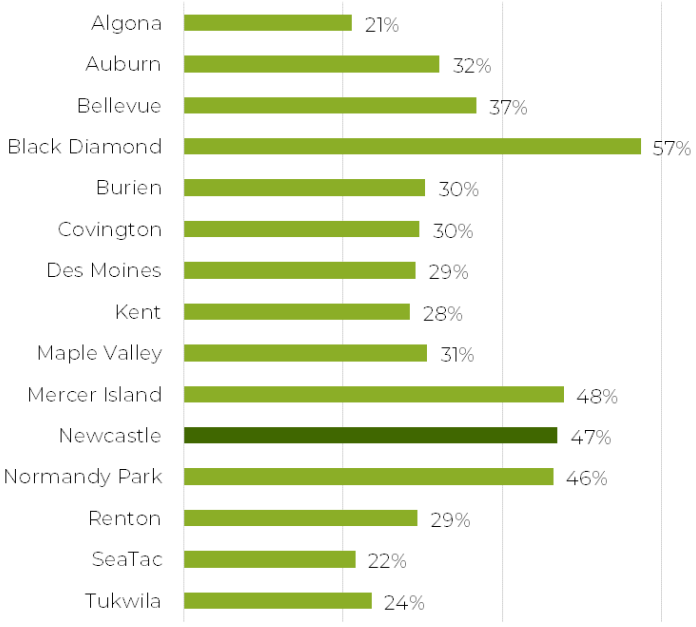
Land Use	Urban Tree Canopy		
	Acres	*%*	*Dist.*
General Commercial	3	12%	0%
General Mixed Use	32	35%	2%
Single-Family Residential	919	51%	69%
Multi-Family Residential	16	33%	1%
Aviation & Transportation-Related	80	28%	6%
Park/ Golf Course/ Trail/ Open Space	275	49%	21%
Undesignated	2	61%	0%
Totals	**1,328**	**47%**	**100%**



URBAN TREE CANOPY POTENTIAL IN NEWCASTLE, WASHINGTON



COMPARING URBAN TREE CANOPY IN KING COUNTY COMMUNITIES



**Possible Planting Areas (PPA) were defined as vegetated areas without tree canopy and impervious surfaces such as parking lots and sidewalks. These areas may not be suitable for planting to increase canopy due to slope, views, soils, or other limitations. Field surveys to identify suitable planting areas are advised.*

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