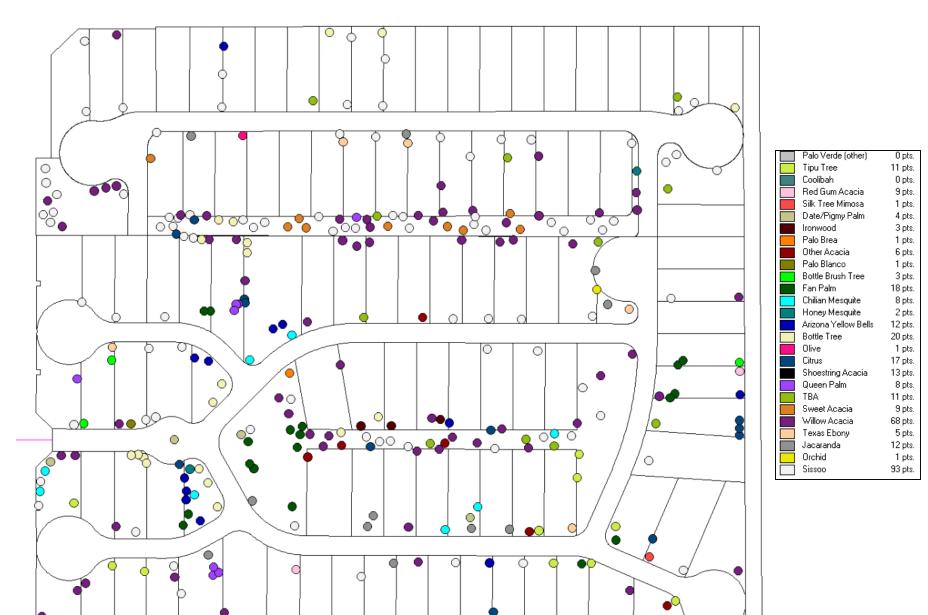
Care and Maintenance of Trees and Shrubs at La Quinta in Barkley Ranch Estates

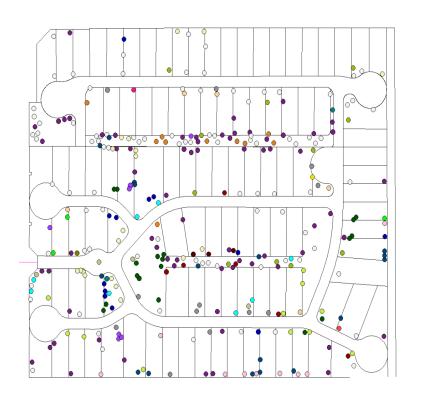


Trees La Quinta

Spring, 2013 La Quinta Tree Inventory



Spring, 2013 La Quinta Tree Inventory



B 1 U 1 2 2 2 3	0 .
Palo Verde (other)	0 pts.
Tipu Tree	11 pts.
Coolibah	0 pts.
Red Gum Acacia	9 pts.
Silk Tree Mimosa	1 pts.
Date/Pigmy Palm	4 pts.
Ironwood	3 pts.
Palo Brea	1 pts.
Other Acacia	6 pts.
Palo Blanco	1 pts.
Bottle Brush Tree	3 pts.
Fan Palm	18 pts.
Chilian Mesquite	8 pts.
Honey Mesquite	2 pts.
Arizona Yellow Bells	12 pts.
Bottle Tree	20 pts.
Olive	1 pts.
Citrus	17 pts.
Shoestring Acacia	13 pts.
Queen Palm	8 pts.
TBA	11 pts.
Sweet Acacia	9 pts.
Willow Acacia	68 pts.
Texas Ebony	5 pts.
Jacaranda	12 pts.
Orchid	1 pts.
Sissoo	93 pts.

Tree selection to improve aesthetics and safety

Sissoo Tree





Pruning to Reduce Wind Damage



Studies have shown that pruning reduces the angle of trunk bend when trees are exposed to high winds





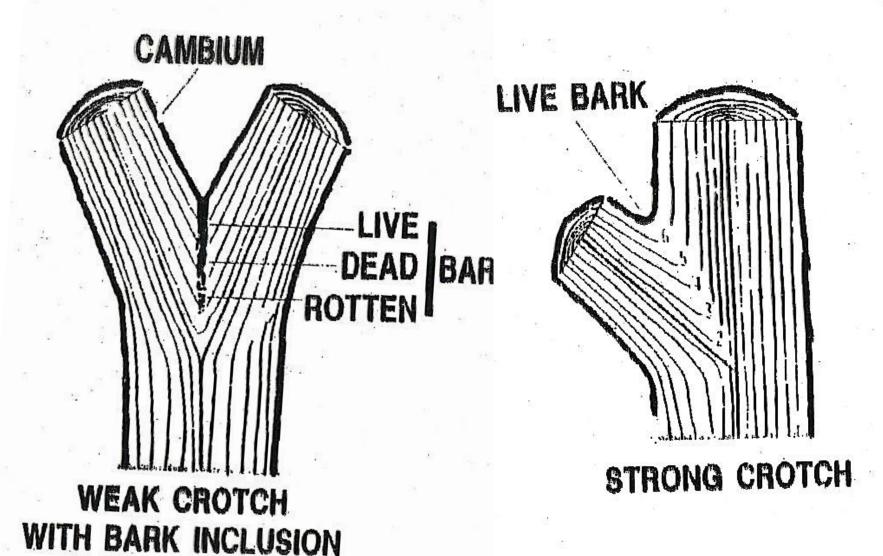


- Codominant Branching: Stems of <u>equal size</u> originating from the same point on the tree
- Included Bark: Bark pinched between two branches, leading cause of weak branch unions
- Unbalanced Canopy:
 One side much heavier, or most weight at the tips of branches



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Weak structure: Codominant Branches and Bark Inclusions













Codominant Branching Often Causes Branch Failure in Wind Storms









Bark Inclusion Results From Codominant Branching Causing Weak Branch Unions



Failure Due to Bark Inclusion



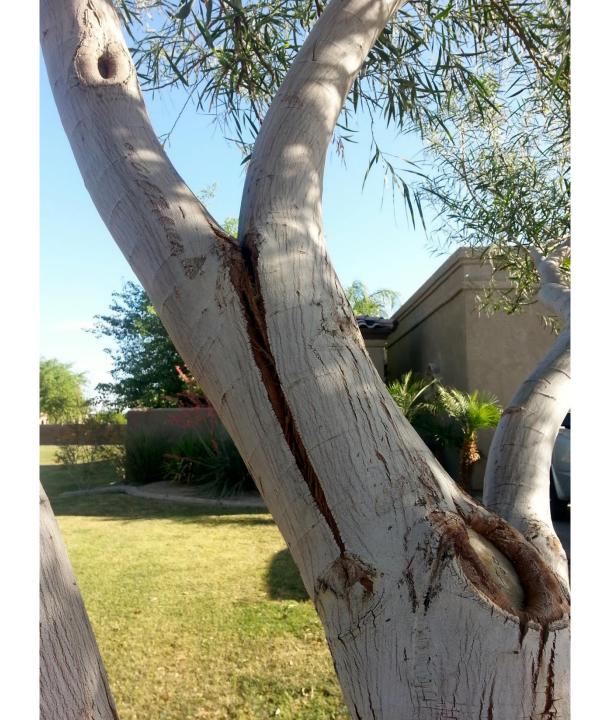


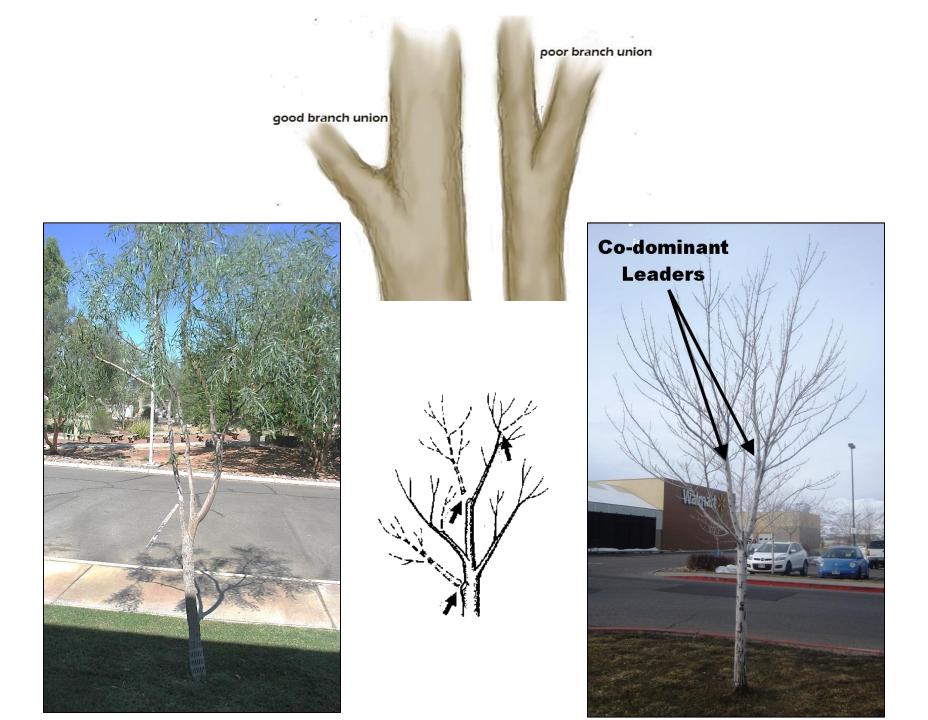










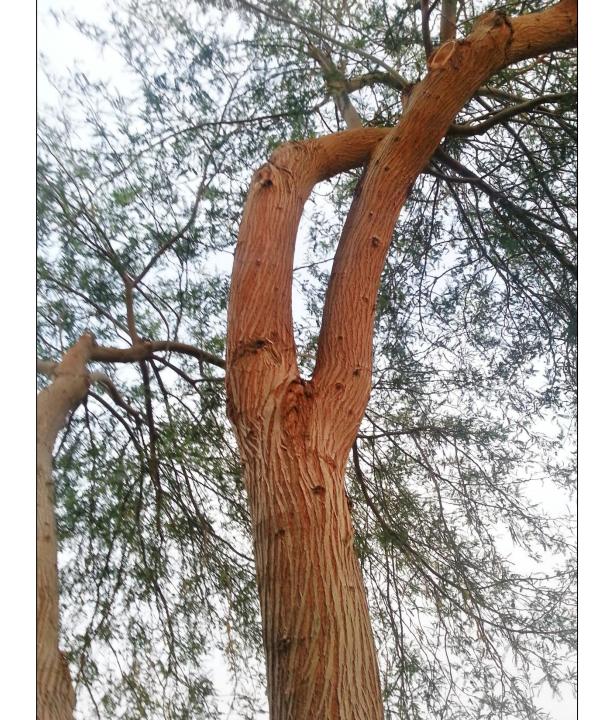


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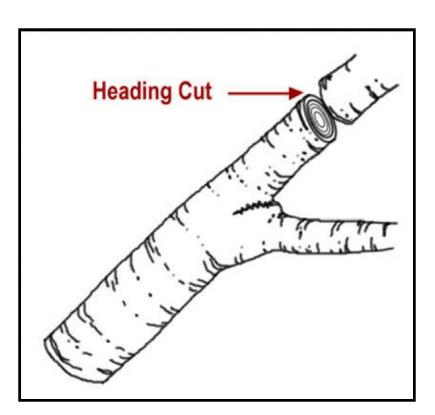








Heading Cuts: NOT Recommended

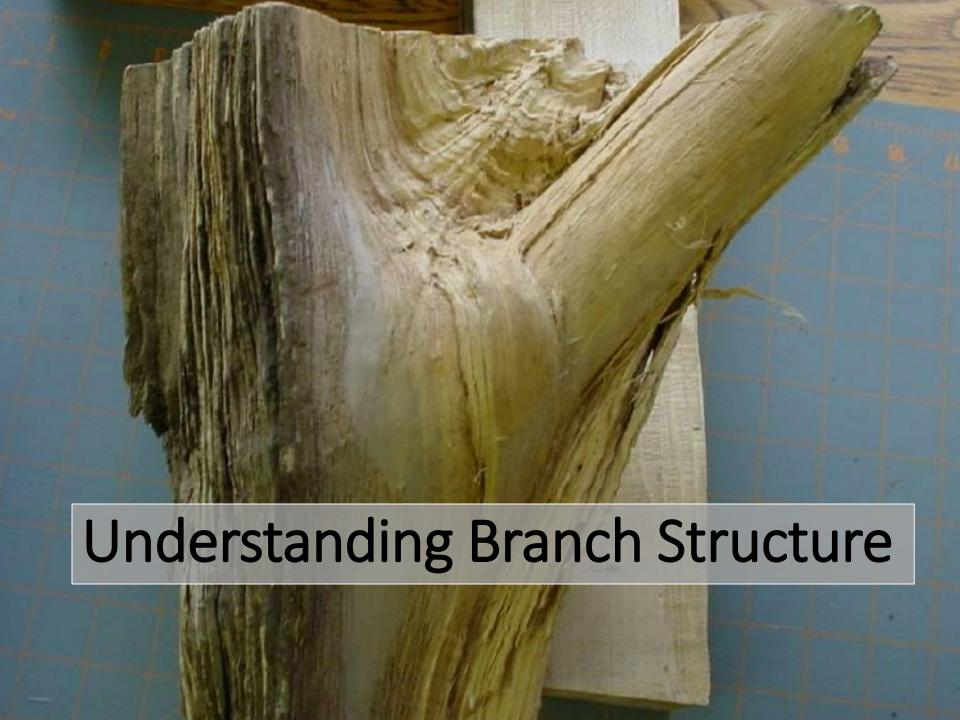


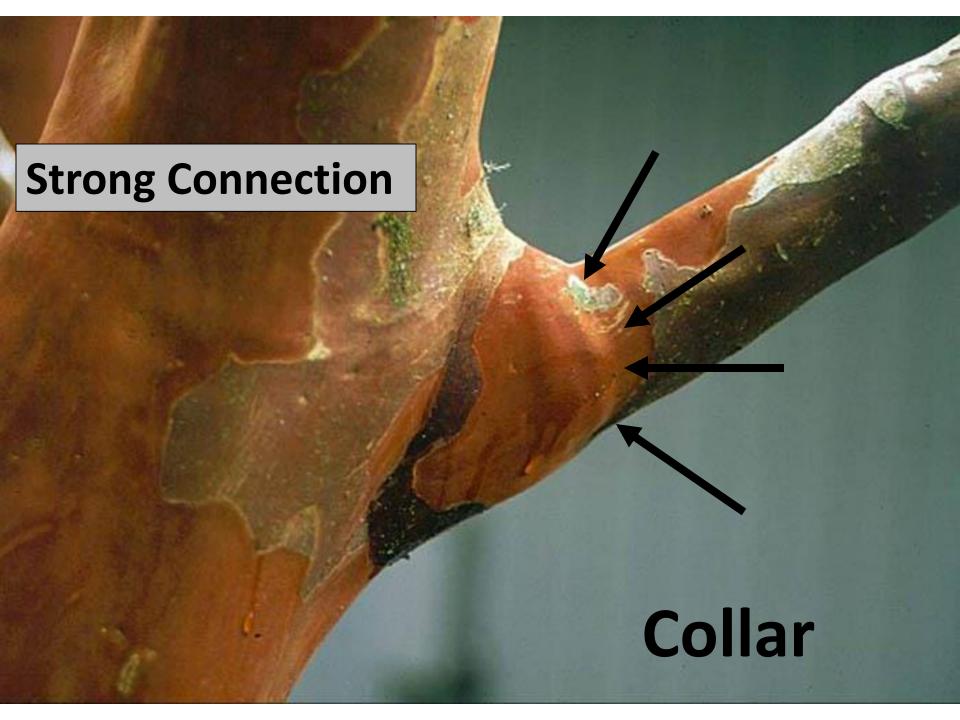
- Cutting an older branch between nodes (internode) will leave a stub
- Rarely appropriate in established trees







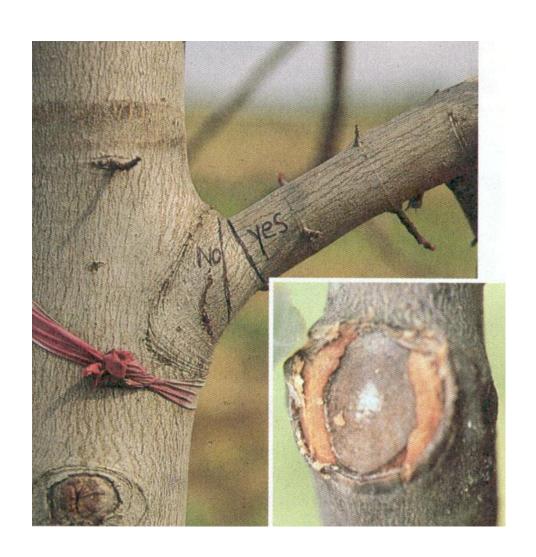








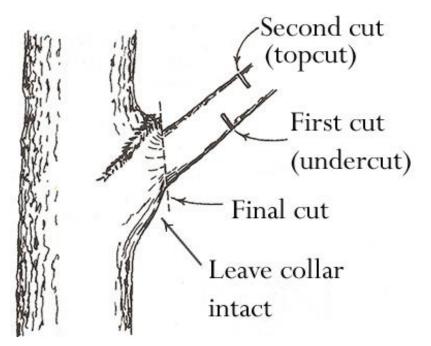
Pruning Limbs



An Improper Cut made through the branch collar will take 3x longer to heal



Make good pruning cuts





Step 1

Make an undercut about 12 inches from the trunk.

Step 2

Make a topcut farther out on the limb.

Step 3

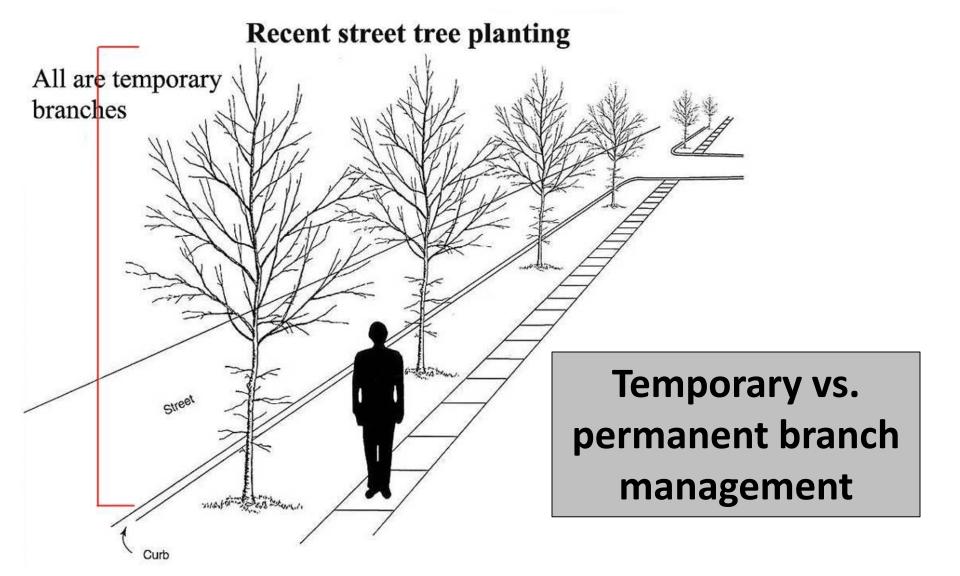
Remove the stub with final cut, being careful not to cut flush against the trunk.
Leave the collar intact.





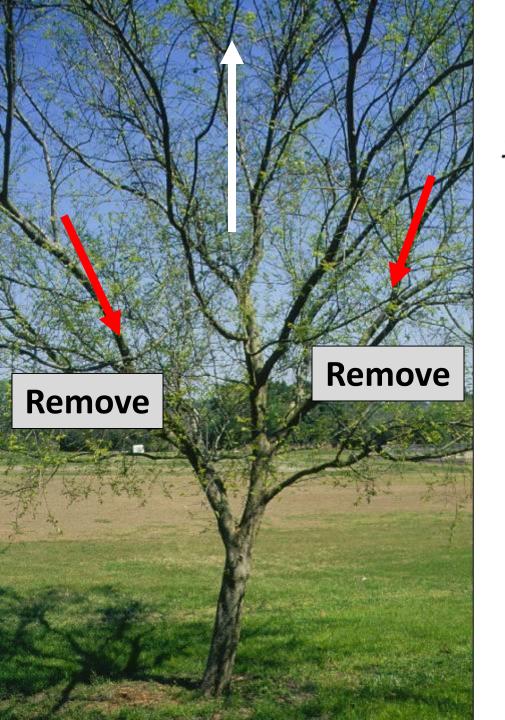


Pruning Plan: First 5 years

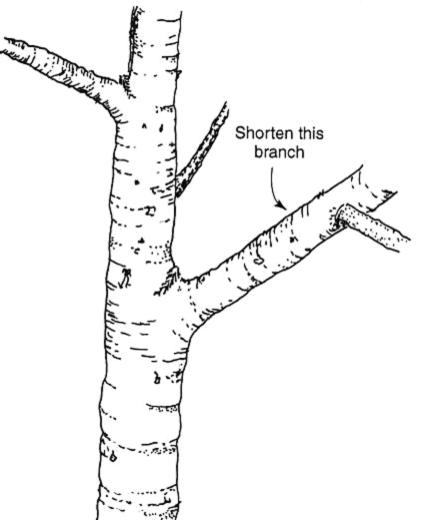


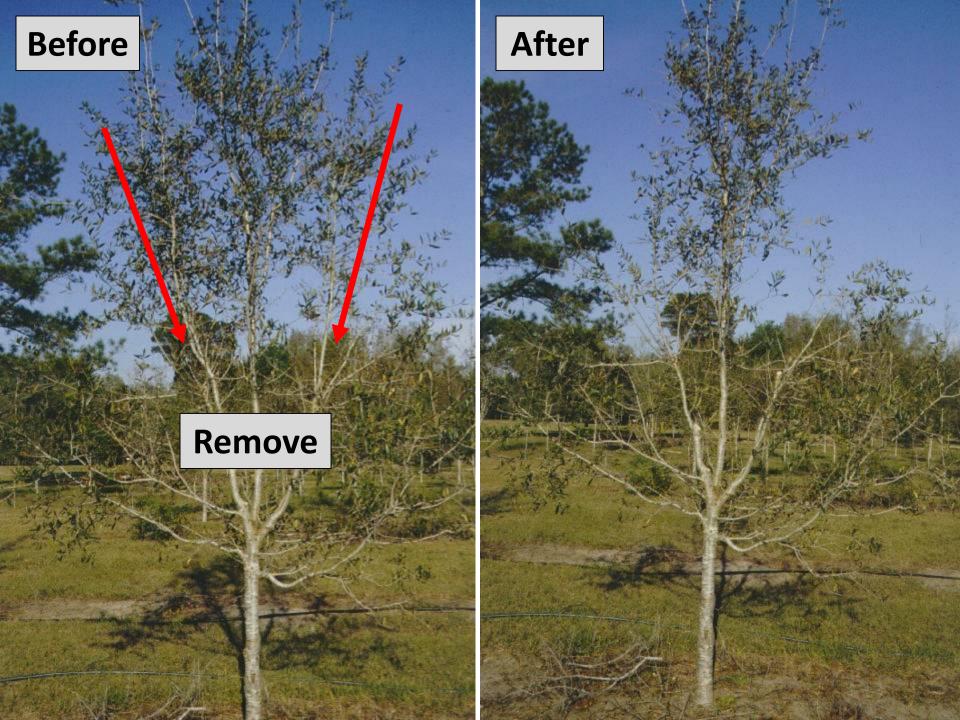
Pruning Plan: First 5 years

- Most branches are temporary
- Do not remove more than 25% of live growth at a pruning visit
- Reduce all branches greater than ½ trunk diameter
- Reduce and/or remove all branches or stems competing with one selected to be the leader
- Reduce and/or remove large, low vigorous branches
- Remove broken, cracked or severely damaged branches



Keep branches less than half the trunk diameter















Comments -orQuestions