

PLANTING POLE COTTONWOODS

Techniques used during December,
2012 Project

Dolores River, Gateway, CO

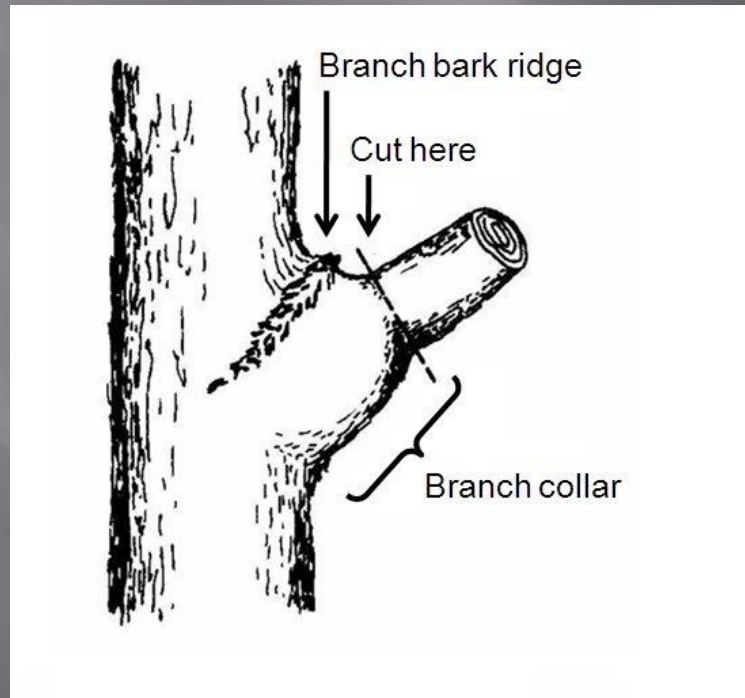
Planting Stock

- ▣ Wild-cut Fremont and Narrowleaf
- ▣ Farm Grown Fremont from Gateway seed



Pre-Plant Prep

- ❑ Cut-immediately soak in river, then soak in tank until planting.
- ❑ Trim lateral branches leaving the branch collar intact.



Stinger Operation-3" X 8'



Soil/Water EC and Water Table Depth Testing

Test at bottom
hole and midway



Planting

- ▣ Plant deep enough to penetrate water table



Tagging



Tagging, con't



Caging



Groundwater wells



E-Reader (electronic tape)



Monitoring



Monitoring Data

Dolores River Restoration Partnership
Grand Junction Field Office
Pole Cottonwood Field Report

Date: 4/30/13 Observer(s): Talar, Hobbins, Goodland

Total Sample Size (All Species):					Total Sample Size (by species) Species:				
No. of Live Trees:					No. of Live Trees:				
Total % Alive = No. Alive/Sample Size:					Total % Alive = No. Alive/Sample Size:				
% of all species sampled = Sample Size/Total Trees:					% of species sampled = Sample Size/Total Trees:				

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Site # 145b South

Tree #	Species	Origin	Date Planted	Water Depth	Planting Depth	Sample Depth	EC Soil	EC Water	Alive? Y/N	Height (ft)	Comments: e.g. Insect damage
1	Pofr	Farm	12/17-21/2012	4.3	6.3	4.3	0.96	0.3	Y	4.8	
						2	0.66				
2	Pofr	Farm	12/17-21/2012	7	8				Y	4.2	bud break
3	Pofr	Farm	12/17-21/2012	6	7				Y	4.7	At bud break
4	Pofr	Farm	12/17-21/2012	7	7				Y	4.8	
5	Pofr	Wild	12/17-21/2012	6	7.5				Y	7.9	Newly emerge
6	Pofr	Farm	12/17-21/2012		7				Y	4.0	At bud break
7	Pofr	Wild	12/17-21/2012	6.5	7	4	0.85		Y	6.2	
						2	0.91				
8	Pofr	Farm	12/17-21/2012	7	8				Y	2.9	Newly emerge
9	Poan	Wild	12/17-21/2012	6	7				Y	8.1	Aphids
10	Pofr	Farm	12/17-21/2012	5.5	6				Y	4.0	
11	Pofr	Farm	12/17-21/2012	6.5	6.5				Y	8.4	bud break
12	Pofr	Wild	12/17-21/2012	6	7				Y	7.4	Newly emerge
13	Pofr	Wild	12/17-21/2012	6.5	7.5	6.5	0.78		Y	6.0	Frost damage
						3	2.6				
14	Pofr	Farm	12/17-21/2012	6	6.5				Y	6.0	Newly emerge
15	Pofr	Wild	12/17-21/2012	5.5	7				Y	4.6	Aphids

Observations as of 4/30/13

- ▣ 163 trees planted – 100% are alive – 12 are on life support
- ▣ 12% have aphids and zealous ants protecting them
- ▣ Lots of frost damage – dead buds, frost damaged leaves – most appear able to cope.
- ▣ Narrowleaf are doing well
- ▣ Water Table rising