

Progress report August 1, 2014

Grant Number 7310003

Title: Biomass Reforestation for Boreal Forest

Grantee: Alaska Division of Forestry

Reporting period: May 7 to August 1, 2014

Deliverables submitted:

Progress report

Photos from 2014

Budget:

Expenditures

Personnel services for preparing poplar cuttings and planting poplar cuttings in Mat-Su and Delta, including 10 field sites and 2 UAF farms.

Travel for lodging at Kelly's Country Inn Delta Junction, meals per diem, and gas for vehicles.

Shipping via Ryan Air for poplar cuttings shipped to cooperator in Galena who will plant cuttings.

Personnel services and travel expenses for Dr. Val Barber to attend International Poplar Symposium, Vancouver, Canada, July 21 to 23. Val's time and travel is charged to match funding.

Schedule Status: We are currently on schedule with updated schedule.

Percent Completion:

Milestone	Task	Start Date	End Date	Grant Funds	Match Funds	Total Budget	Deliverables	Percent Completed	
	1	Select field sites	Dec-13	Mar-13	\$ 533	\$ 533	\$ 1,065	Written agreements for site use	100
	2	Finalize planting design	Jan-13	Mar-13	\$ 256	\$ 256	\$ 511	Planting designs	100
MS 1: AEA accepts site agreements and final planting designs									
	3	Collect and store cuttings	Mar-13	Mar-13	\$ 3,813	\$ 3,813	\$ 7,625		100
	4	Plant cuttings	Jun-13	Sep-13	\$ 11,210	\$ 11,210	\$ 22,419		100
	5	Evaluate plantations Year 1	Nov-13	Dec-13	\$ 2,956	\$ 6,288	\$ 9,244	Year 1 summary report	100
MS 2: AEA accepts Year 1 summary report									
	6	Select and obtain Year 2 cuttings	Mar-14	Jun-14	\$ 4,000	\$ 4,000	\$ 8,000	Year 2 planting plan	100
MS 3: AEA accepts Year 2 planting plan									
	7	Plant and transplant cuttings to Delta site	Jun-14	Jul-14	\$ 3,000	\$ 3,000	\$ 6,000		90
	8	Plant cuttings in rural village	Jun-14	Sep-14	\$ 3,000	\$ 3,000	\$ 6,000		100
	9	Evaluate plantations 2014	Aug-14	Oct-14	\$ 3,500	\$ 3,500	\$ 7,000	Year 2 summary report	
MS 4: AEA accepts Year 2 summary report									
	10	Evaluate plantations 2015	Aug-15	Oct-15	\$ 3,500	\$ 3,500	\$ 7,000		
	11	Prepare draft project report	Oct-15	Nov-15	\$ 4,000	\$ 4,000	\$ 8,000	Draft report	
	12	Prepare final report	Dec-15	Dec-15	\$ 5,234	\$ 1,902	\$ 7,136	Final project report	
MS 5: AEA accepts final report									
Total					\$ 45,000	\$ 45,000	\$ 90,000		

Work Progress:

Task 7:

Approximately 2,000 cuttings were collected in Mat-Su and Delta. A smaller number were collected in Fairbanks and Glenallen. 1,000 cuttings were imported from Alberta, 500 “Northwest” hybrid poplar and 500 balsam poplar.

Cuttings were planted on 5 field sites in Mat-Su and 5 sites in Delta. 2 UAF farm sites were planted. Each site was planted with all varieties of cuttings. All planted cuttings were flagged.

Transplanting surviving cuttings from field sites to UAF farms will occur this September during end of summer survival assessment.

Task 8:

A sample of the 4 principle varieties were shipped to a UAF cooperator in Galena who agreed to plant cuttings.

Future work:

End of summer survival assessment will be conducted in September. With wetter weather preliminary observations are that survival is much better, appearing above 50%.

Transplanting surviving cuttings from field sites to UAF farms will occur this September during end of summer survival assessment.

Freezer at Plant Materials Center, Palmer, used to store cuttings.



Hybrid poplars from Alberta, during pre-plant soaking treatment.



Pre-plant soaking.



Mat-Su field planting site.



UAF Delta farm.



Poplar cutting growth by July 28, 2014.

