

## Larch Virtual Experiment Station Research Note No. 3

### **Larch Trials and Measurements Collection:**

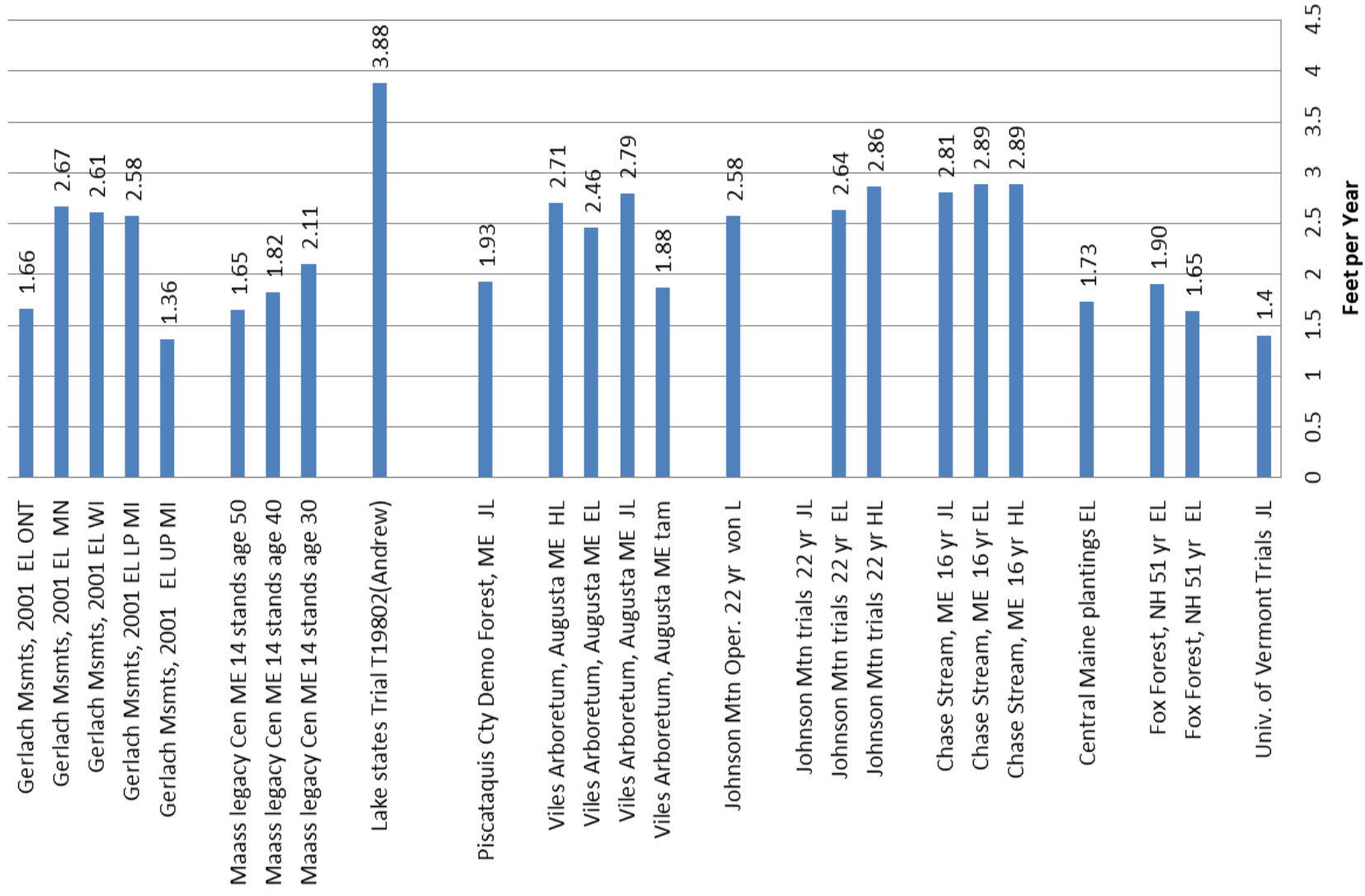
#### **Preliminary Status Report for Northeast USA and E. Canada**

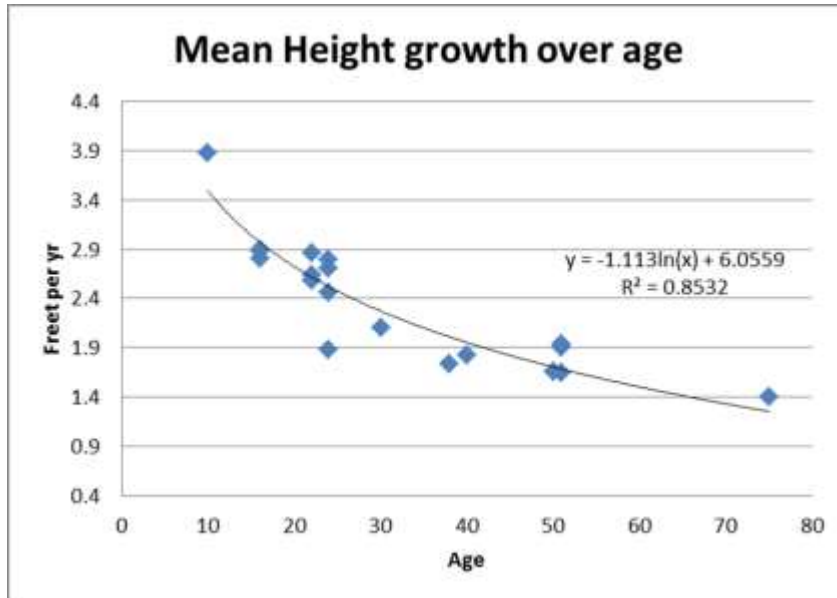
Electronic form available at: [www.larchresearch.com](http://www.larchresearch.com)

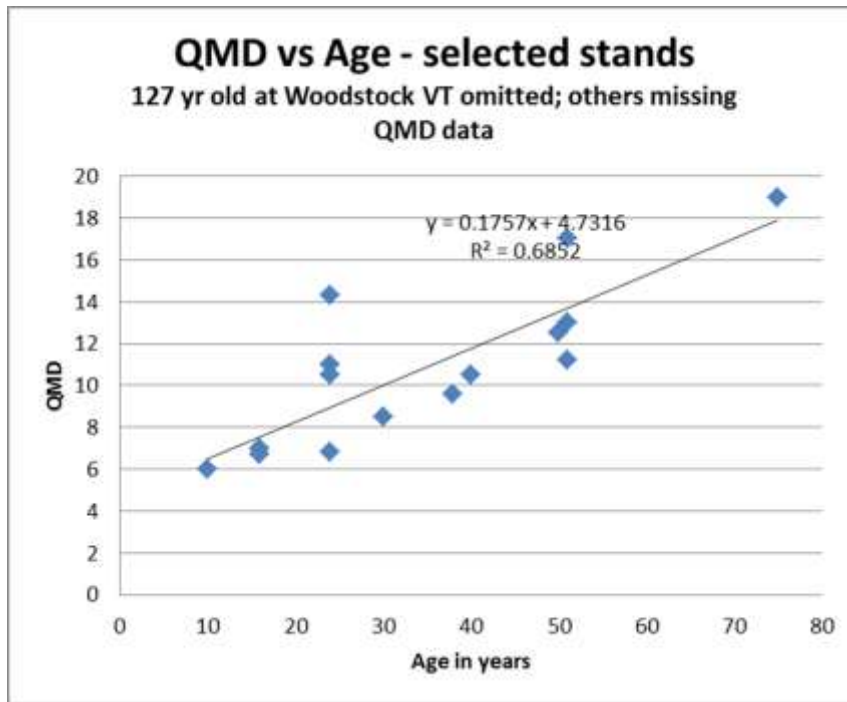
This is a preliminary listing of measured and larch trials and stands, some of them operational plantings. We have diameter and height growth performance for ages between 10 and 75 years, with many of them between 15 and 50. These examples span many states across the North. We would be grateful for leads to any additional examples. Please contact us at the website listed above. We hope to regularly update this note.

We open with several charts. The data displayed vary depending on gaps in the dataset. These are simply descriptive of the table's contents; relationships are heavily influenced by stand ages, soils, previous treatments, and stocking levels that cannot be depicted here and in many instances are not readily available. In further analysis we would code these according to the points for hybrids, European, and Japanese.

# Height Growth, Larch Examples ft/yr







Exotic and Hybrid Larch examples: Comparisons of height and diameter growth								
Northern USA and E. Canada						Ici upd Feb. 26, 2016		
Locations	Species	Stand	Stand or plot Data			Annual Rates		Msmt Date
			Age	QMD (in)	Ht (ft)	dbh in/yr	Ht ft/yr	
Marsh-Billing- Rock. NHP Woodstock VT	EL	Plots 144,-6	127	12.7	n.a.			n.a.
Univ. of Vermont Trials JL	JL	Stand 4-1	75	19	105	0.25	1.4	2016
Fox Forest, NH 51 yr EL	EL	Map 28	51	11.2	83.9	0.22	1.65	2011
Fox Forest, NH 51 yr EL		Map 29	51	13	97	0.25	1.90	2011
Central Maine plantings EL	EL	28 stands	38	9.6	65.7	0.25	1.73	1993
Chase Stream, ME 16 yr HL	HL		16	7	46.2	0.44	2.89	2014??
Chase Stream, ME 16 yr EL	EL		16	7	46.3	0.44	2.89	2014??
Chase Stream, ME 16 yr JL	JL		16	6.7	44.9	0.42	2.81	2014??
Johnson Mtn trials 22 yr HL	HL		22	10.0	63.0	0.45	2.86	2013
Johnson Mtn trials 22 yr EL	EL		22	8.2	58.1	0.37	2.64	2013
Johnson Mtn trials 22 yr JL	JL		22	?	?			
Johnson Mtn Oper. 22 yr von L	von lochow ex J		22	9.3	56.7	0.42	2.58	2013
Viles Arboretum, Augusta ME tam	tamarack	Alfred's Acre	24	6.8	45	0.28	1.88	Jul-15
Viles Arboretum, Augusta ME JL	japanese		24	14.3	67	0.60	2.79	
Viles Arboretum, Augusta ME EL	european		24	11	59	0.46	2.46	
Viles Arboretum, Augusta ME HL	hybrid		24	10.5	65	0.44	2.71	
Piscataquis Cty Demo Forest, ME JL	Japanese		51	17	98.5	0.28	1.93	2016

<b>Lake states Trial T19802(Andrew)</b>	Various	Loc unk	10	6	38.8	0.60	3.88	2007
<b>Maass legacy Cen ME 14 stands age 30</b>	Various	Cen ME	30	8.5	63.2	0.28	2.11	various
<b>Maass legacy Cen ME 14 stands age 40</b>			40	10.5	72.9	0.26	1.82	
<b>Maass legacy Cen ME 14 stands age 50</b>			50	12.5	82.6	0.25	1.65	
<b>Gerlach Msmts, 2001 EL UP MI</b>	european	UP Mich	59-60			0.21	1.36	2000
<b>Gerlach Msmts, 2001 EL LP MI</b>	european	LP Mich	13-39			0.48	2.58	
<b>Gerlach Msmts, 2001 EL WI</b>	european	Wisconsin	17-34			0.44	2.61	
<b>Gerlach Msmts, 2001 EL MN</b>	european	Minnesota	15-17			0.41	2.67	
<b>Gerlach Msmts, 2001 EL ONT</b>	european	Ontario	41-67			0.23	1.66	

		26-Feb-16			Ici					Remarks					
<b>SEEKING DETAILS, OTHER LEADS</b>															
<b>Augusta Water Dist, Readfield ME</b>	unk		records lost; indiv trees measured by LCI and DIM 2015.							Ages assumed late 1920s to mid 30's files lost.					
<b>Georgia-Pacific, IP Trials 1970s</b>	unk		Inquiries thus far unsuccessful. Stands presumed lost.							No contact known					
<b>Lake states Experiments</b>	various		consultations in Lake States (Rhinelander) initiated							Many papers prev. published; status of re-msmsts unk.					
<b>Kellogg Exp Forest, Michigan</b>	Various		several stands, early results published; remeasurements planned							Mike Watkins, MSU; Patrick Duffy, station manager					
<b>Plantations in New York state</b>			Plantations at scale, large area, no known growth/yield/performance data exists.							contacts: foresters at DEC; Initial performance work planned by Russ Briggs, SUNY-CESF.					
<b>Quebec &amp; New Brunswick</b>			Research plantings have been done -- details not available												
<b>NE Pennsylvania</b>			Huston, PA, Fulton County, Dublin/Taylor Twp, Glatfelter Pulp Co. Appleby Tract; He							Kim Steiner, PSU has records on some early re-measurements					
<b>Minnesota</b>			Cloquet believed to have some.							Kyle Gill, forest Mgr. Andy David, UMN Larch/Aspen Coop.					
<b>Connecticut</b>	unk		Individuals/clumps at Yale-Myers Forest; No measurements known.							Mark Ashton; Y-M Forester.					
<b>Connecticut</b>	unk		Great Mountain Forest Hans Carlson, Forest manager							Hans Carlson, Forest manager					
<b>Connecticut</b>	unk		Plantings exist on Univ Connecticut Forest and nearby State Forests. No measurements known.							Tom Worthley. CT Extension					