

# APPENDIX

**E**

ECOLOGICAL  
ENHANCEMENT AND  
MITIGATION MONITORING  
PROGRAM RESULTS





## APPENDIX E – ECOLOGICAL ENHANCEMENT AND MITIGATION MONITORING PROGRAM RESULTS

The proposed planting was completed in 2017 and ongoing monitoring indicates that the materials planted in 2015 and 2016 have acceptable survival rates. The monitoring and maintenance of materials planted in 2016 was completed in 2018 while materials planted in 2017 were monitored until 2019.

Walker Aggregates Inc.

## DUNTROON QUARRY REFORESTATION PLANTING

Planting Quantities (Active Regeneration)

		2015 Planting		2016 Planting		2017 Planting		Project Total	
Deciduous Caliper Whips	Size	Designed Qty	Planted Qty	Designed Qty	Planted Qty	Designed Qty	Planted Qty	Designed Qty	Planted Qty
<i>Acer rubrum</i>	25mm	640	395	804	150	252	450	1,696	995
<i>Acer saccharum</i>	25mm	640	1,020	804	2,395	252	810	1,696	4,225
<i>Betula papyrifera</i>	25mm	640	500	804	100	252	190	1,696	790
<i>Populus tremuloides</i>	25mm	640	670	804	450	252	350	1,696	1,470
<i>Prunus serotina</i>	25mm	640	280	804	240	252	200	1,696	720
<i>Quercus rubra</i>	25mm	640	550	804	250	252	300	1,696	1,100
<i>Tilia americana</i>	25mm	320	0	402	660	126	50	848	710
<b>Total</b>		<b>4,160</b>	<b>3,415</b>	<b>5,226</b>	<b>4,245</b>	<b>1,638</b>	<b>2,350</b>	<b>11,024</b>	<b>10,010</b>
		2015 Planting		2016 Planting		2017 Planting		Project Total	
Deciduous Seedlings	Size	Designed Qty	Planted Qty	Designed Qty	Planted Qty	Designed Qty	Planted Qty	Designed Qty	Planted Qty
<i>Acer rubrum</i>	60-90cm	320	360	402	470	126	100	848	930
<i>Acer saccharum</i>	60-90cm	320	360	402	500	126	400	848	1,260
<i>Betula allegheniensis</i>	60-90cm	320	220	402	211	126	180	848	611
<i>Betula papyrifera</i>	60-90cm	320	360	402	470	126	375	848	1,205
<i>Carya cordiformis</i>	60-90cm	320	360	402	670	126	150	848	1,180
<i>Fagus grandifolia</i>	60-90cm	320	0	402	41	126	80	848	121
<i>Juglans nigra</i>	60-90cm	320	360	402	550	126	130	848	1,040
<i>Ostrya virginiana</i>	60-90cm								
<i>Populus tremuloides</i>	60-90cm	320	360	402	200	126	175	848	735
<i>Prunus serotina</i>	60-90cm	320	360	402	90	126	160	848	610
<i>Quercus macrocarpa</i>	60-90cm	320	360	402	700	126	150	848	1,210
<i>Quercus rubra</i>	60-90cm	320	360	402	500	126	172	848	1,032
<i>Tilia americana</i>	60-90cm	320	330	402	450	126	150	848	930
<i>Ulmus americana</i>	60-90cm	320	360	402	500	126	150	848	1,010
<b>Total</b>		<b>4,160</b>	<b>4,150</b>	<b>5,226</b>	<b>5,352</b>	<b>1,638</b>	<b>2,372</b>	<b>11,024</b>	<b>11,874</b>
		2015 Planting		2016 Planting		2017 Planting		Project Total	
Coniferous Seedlings	Size	Designed Qty	Planted Qty	Designed Qty	Planted Qty	Designed Qty	Planted Qty	Designed Qty	Planted Qty
<i>Abies balsamea</i>	24-40cm	640	950	804		252	940	1,696	1,890
<i>Larix laricina</i>	24-40cm	640	950	804	500	252	300	1,696	1,750
<i>Picea glauca</i>	24-40cm	640	800	804	1,700	252	425	1,696	2,925
<i>Pinus strobus</i>	24-40cm	801	1,000	1,004	1,700	315	400	2,120	3,100
<i>Pinus resinosa</i>	24-40cm	801	1,000	1,004		315	100	2,120	1,100
<i>Thuja occidentalis</i>	24-40cm	640	780	804	600	252	375	1,696	1,755
<i>Tsuga canadensis</i>	24-40cm	801	1,000	1,004		315	500	2,120	1,500
<b>Total</b>		<b>4,963</b>	<b>6,480</b>	<b>6,228</b>	<b>4,500</b>	<b>1,953</b>	<b>3,040</b>	<b>13,144</b>	<b>14,020</b>
SUMMARY									
		2015 Planting		2016 Planting		2017 Planting		Project Total	
<b>TOTAL</b>		<b>13,283</b>	<b>14,045</b>	<b>16,680</b>	<b>14,097</b>	<b>5,229</b>	<b>7,762</b>	<b>35,192</b>	<b>35,904</b>



