

<b>Fall 2011 Annual Allowable Cut Statistics: Contacts, Citation, Constraints &amp; Keywords</b>	
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<b>Online Linkage:</b>	<a href="http://srd.alberta.ca/LandsForests/ForestManagement/ForestManagementStatistics/ForestManagementPlanningstatistics.aspx">srd.alberta.ca/LandsForests/ForestManagement/ForestManagementStatistics/ForestManagementPlanningstatistics.aspx</a>
<b>General Constraints and Security</b>	
<b>Access Constraints:</b>	General public access via the external ESRD web site.
<b>Use Constraints:</b>	General public use. See Disclaimer at: <a href="http://srd.alberta.ca/LandsForests/ForestManagement/ForestManagementStatistics">srd.alberta.ca/LandsForests/ForestManagement/ForestManagementStatistics</a> .
<b>Security Information:</b>	
<b>Security Classification:</b>	Unrestricted
<b>Keywords</b>	
<b>Keywords:</b>	Annual Allowable Cut; AAC; Forest Management Unit; FMU; Land-use Framework Planning Region, LUFPR; Performance Measure; Timber Allocation; coniferous; deciduous; annual allowable cut; harvest level; 5-year rolling average, ESRD Annual Report; AAC statistics; Annual Allowable Cut Statistics; timber harvest; forest management

## Fall 2011 Annual Allowable Cut Statistics: Tables 1 and 2, and Figures 2, 3, 4 and 5

General	
<b>Title:</b>	<b>Fiscal year 2010/2011 Annual Allowable Cut Data</b>
<b>Abstract:</b>	This data set summarizes the Province of Alberta's Annual Allowable Cuts (AAC) on Alberta public land in the Green Area as of March 31, 2011. Data is shown based on species group (coniferous and deciduous), Forest Management Unit (FMU) and by an estimated division into the Land-use Framework Regions.
<b>Purpose:</b>	To show the approved volume that can legally be harvested annually in Alberta.
<b>Supplemental Information:</b>	AAC data is collected from Forest Management Plan Approval Decision documents and other formal letters that include an approved AAC. Yearly harvest levels may be greater than the AAC, but harvest levels cumulated over a five-year period (sum of harvest over a 5-year period) should not exceed the AAC within each planning area (expressed as 5 times the planning area AAC). All Alberta timber dispositions greater than one year in term are balanced over five-year periods.
Time Period and Status	
<b>Time Period of Content:</b>	Fiscal year From: April 1, 2010 To: March 31, 2011
<b>Maintenance Progress:</b>	Preliminary
<b>Update Frequency:</b>	Annual
<b>Date of Last Update</b>	2011-09-01
Data Quality and Process Information	
<b>Source Information:</b>	Resource Analysis Section AAC data
<b>Assumptions:</b>	The Landuse Framework proportions of the AACs were estimated based on the gross landbase of each FMU that is within each Land-use Framework Region.
<b>Process Description:</b>	Coniferous and Deciduous AAC data as of March 31, 2011 was pulled out of the Resource Analysis Section AAC data by Forest Management Unit (FMU). The Land-use Framework Planning Regions (LUFPR) were intersected with the FMU boundaries using ArcMap to split each FMU and LUFPR. A series of queries were run in Microsoft Visual Foxpro 9.0 to calculate the percentage of each FMU that was located in each LUFPR. These percentages were applied to the FMU level AACs to estimate the amount of AAC within each LUFPR. FMUs and FMU percentages were combined into larger sustained yield units in cases where the AAC was set on an area covering more than one FMU. Small adjustments were also made to the percentages

	to ensure that the total AAC matched the actual total AAC.
<b>Process Date</b>	2012-01-02
<b>Attribute Information</b>	
<b>Attribute Description:</b>	<p>Coniferous Annual Allowable Cut - <math>\text{m}^3/\text{yr}</math> - The annual volume of coniferous timber that can be harvested on a sustainable basis within a defined planning area.</p> <p>Deciduous Annual Allowable Cut - <math>\text{m}^3/\text{yr}</math> - The annual volume of deciduous timber that can be harvested on a sustainable basis within a defined planning area.</p> <p>Forest Management Unit - An administrative unit of forest land designated by the Minister, as authorized under Section 14(1) of the <i>Forests Act</i>.</p> <p>Land-use Framework Planning Region - seven regions established by the Government of Alberta for regional planning.</p> <p>Species Group - the Province of Alberta creates and allocates AACs based on two species groups.</p> <ul style="list-style-type: none"> <li>- Coniferous - includes softwoods like fir, pine and spruce</li> <li>- Deciduous - includes hardwoods like aspen, poplar and birch</li> </ul> <p>Total Annual Allowable Cut - <math>\text{m}^3/\text{yr}</math> - The annual amount of coniferous and deciduous timber that can be harvested on a sustainable basis within a defined planning area.</p> <p>See also Glossary of Terms</p>

## Fall 2011 Annual Allowable Cut Statistics: Table 3 and Figure 6

General	
<b>Title:</b>	<b>Provincial Annual Allowable Cuts Over Time</b>
<b>Abstract:</b>	This dataset shows the trends in Provincial Annual Allowable Cut over time for coniferous, deciduous and all (total) species groups.
<b>Purpose:</b>	To provide a historical view of the Province's Annual Allowable Cut.
<b>Supplemental Information:</b>	This data and data for other provinces can be found in a different format on the National Forestry Database Website. <a href="http://nfdp.ccfm.org/index_e.php">http://nfdp.ccfm.org/index_e.php</a>
Time Period and Status	
<b>Time Period of Content:</b>	Fiscal year (April 1-March 31) From: 2001/2002 To: 2010/2011
<b>Maintenance Progress:</b>	Preliminary
<b>Update Frequency:</b>	Annual
<b>Date of Last Update</b>	2011-09-01
Data Quality and Process Information	
<b>Source Information:</b>	National Forestry Database Alberta Jurisdictional Table 2.1.1.1 Potential Harvest  <a href="http://nfdp.ccfm.org/data/html/detailed_2111_p_AB.html">http://nfdp.ccfm.org/data/html/detailed_2111_p_AB.html</a>  2009/10 and 2010/11 data is derived from Alberta Government records and will be reflected in the National Forestry Database Table in future years.
<b>Assumptions:</b>	Refer to original data type footnotes and comments.
<b>Process Description:</b>	Downloaded Excel spreadsheet was edited to produce a more concise, user friendly table and graph.
<b>Process Date</b>	2011-09-01
Attribute Information	
<b>Attribute Description:</b>	Year - Fiscal year reporting period, April 1 to March 31  Coniferous Annual Allowable Cut - $m^3/yr$ - The volume of coniferous timber that can be harvested under sustained-yield management in any one year, as stipulated in the pertinent approved forest management plan.  Deciduous Annual Allowable Cut - $m^3/yr$ - The volume of deciduous timber that can be harvested under sustained-yield management in any one year, as stipulated in the pertinent approved forest management plan.

	<p>Total Annual Allowable Cut - <math>\text{m}^3/\text{yr}</math> - The volume of coniferous and deciduous timber that can be harvested under sustained-yield management in any one year, as stipulated in the pertinent approved forest management plan.</p>
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## Fall 2011 Annual Allowable Cut Statistics: Table 4, and Figures 7, 8 and 9

General	
<b>Title:</b>	<b>Total Allowable Cut Compared to Total Harvest Volume</b>
<b>Abstract:</b>	This dataset shows the provincial harvest to annual allowable cut (AAC) comparison on Alberta public land in the Green Area, expressed as a 5-year rolling average for both coniferous and deciduous AACs.
<b>Purpose:</b>	This dataset indicates the status of Alberta's timber by comparing a five-year average timber harvest with the comparable five-year average amount of timber allowed to be cut in the forested portion of the province.
<b>Supplemental Information:</b>	Comparing the five-year average timber harvest with the five-year average amount of timber allowed to be cut provides an indication of the status of Alberta's timber supply. To ensure sustainability, the five-year average harvest levels should not exceed the five-year average allowable cut.
Time Period and Status	
<b>Time Period of Content:</b>	Fiscal year (April 1 -March 31) From: 1997/2001 To: 2006/2010
<b>Maintenance Progress:</b>	Preliminary
<b>Update Frequency:</b>	Annual
<b>Date of Last Update</b>	2011-09-01
Data Quality and Process Information	
<b>Source Information:</b>	Historical Annual Allowable Cut documentation, current Resource Analysis Section Annual Allowable Cut Data and harvest data summaries. The harvest data presented is a snapshot of reported timber production, which may include reported and audited volumes. It includes all volumes regardless of land base designation except fire kill or smaller than utilization volumes (which are not chargeable to the AAC).
<b>Assumptions:</b>	<p>The 5-year rolling averages for AACs and harvest levels cannot be reproduced using National Forestry Database data.</p> <p>Harvest Level differences: 5-year average summary - Only those timber volumes deemed to be chargeable to an authorized cut are included. It does not include timber volumes from some industrial salvage, private and federal lands, incidental (non-chargeable), undersize (less than utilization), or other non-chargeable by virtue of the timber condition (i.e. fire). It</p>

	<p>does include timber damage assessed (TDA) volumes determined to be FMA/quota chargeable, and which may be determined by the area harvested rather than actual harvested volumes.</p> <p>National Forestry Database - This is a statement of all actual timber production including timber sourced from industrial salvage sources, and private land. It includes all non-chargeable volumes including undersize and incidental harvest volumes. It does not include timber damage assessed (TDA) volumes determined by the area harvested.</p>
<b>Process Description:</b>	<p>5-year rolling averages are calculated based on five years of annual fiscal year end reporting. 5-year rolling averages are calculated for Coniferous AAC and harvest level, Deciduous AAC and harvest level and Total AAC and harvest level.</p> <p>The annual fiscal year end AAC and harvest levels are reported in millions of cubic metres with two decimal places. The 5-year rolling average is calculated in millions of cubic metres with two decimal places.</p> <p>Percentage of the 5-year rolling average AAC harvested was also calculated.</p>
<b>Process Date</b>	2011-09-01
<b>Attribute Information</b>	
<b>Attribute Description:</b>	<p>5-year range - The five-year range with each year calculated for the Fiscal year reporting period, April 1 to March 31.</p> <p>Coniferous AAC - 5-year rolling average of coniferous annual allowable cuts shown in million cubic metres.</p> <p>Coniferous Harvested - 5-year rolling average of coniferous harvest level shown in million cubic metres</p> <p>Coniferous % Harvested - the percentage of the 5-year rolling average coniferous annual allowable cut that was harvested</p> <p>Deciduous AAC - 5-year rolling average of deciduous annual allowable cuts shown in million cubic metres</p> <p>Deciduous Harvested - 5-year rolling average of deciduous harvest level shown in million cubic metres</p> <p>Deciduous % Harvested - the percentage of the 5-year rolling average deciduous annual allowable cut that was harvested</p>

	<p>Total AAC - 5-year rolling average of deciduous annual allowable cuts shown in million cubic metres</p> <p>Total Harvested - 5-year rolling average of deciduous harvest level shown in million cubic metres</p> <p>Total % Harvested - the percentage of the 5-year rolling average deciduous annual allowable cut that was harvested</p> <p>See also Glossary of Terms</p>
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