Southeast Alaska CROP
ROMs
(Resource Offering/Removal Maps)

November 2008

Prepared by:

Catherine M. Mater
Mater Ltd.
136 SW Washington Ave., Ste. 201
Corvallis, Oregon 97333
Tel: 541-753-7335  Fax: 541-752-2952
mater@mater.com
www.mater.com
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**Abbreviations used in ROMS:**

- **NF** = National Forest
- **RD** = Ranger District
- **def** = high-defect

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**SE Alaska: All Agencies** CROP offering/removal ‘08 – ‘12  
(gT = 1,847,813 / S = 67,665 mmbf / L = 774,317 mmbf)  
(1,211,545 total mmbf)

- **Tongass NF:** 82%  
  (gT = 1,612,411 / S = 29.05 / L = 645.93)

- **State of Alaska Lands:** 7%  
  (gT = 71,300 / S = 25.18 / L = 43.94)

- **Alaska Mental Health Trust:** 7%  
  (gT = 68,705 / S = 4.31 / L = 60.88)

- **Sealaska Corp.:** 4%*  
  (gT = 95,395 / S = 9.12 / L = 23.56)  
  (*data given only for 2009)

---

### Biomass Offering/removal 5-yr total (mmbf)

- **2008:** 139,215.6402 mmbf  
  - gT
  - Small Log: 7.463360377 mmbf  
  - Large Log: 60.55625844 mmbf

- **2009:** 467,159.4236 mmbf  
  - gT
  - Small Log: 21.49440753 mmbf  
  - Large Log: 178.157499 mmbf

- **2010:** 436,975.3831 mmbf  
  - gT
  - Small Log: 13.52816734 mmbf  
  - Large Log: 187.5749844 mmbf

- **2011:** 399,801.7658 mmbf  
  - gT
  - Small Log: 12.67035935 mmbf  
  - Large Log: 174.0006662 mmbf

- **2012:** 404,661.4659 mmbf  
  - gT
  - Small Log: 12.50861262 mmbf  
  - Large Log: 174.0277289 mmbf

- **Totals:** 369,563 mmbf is <7” = 1,847,813 gT of biomass  
  - 67,665 mmbf is >7”-12” = small logs  
  - 774,317 mmbf is >12” = large logs

---

<table>
<thead>
<tr>
<th>All Agencies</th>
<th>gT</th>
<th>mmbf</th>
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<tr>
<td></td>
<td>Biomass</td>
<td>Small Log</td>
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<tr>
<td>2008</td>
<td>139,215.6402</td>
<td>7.463360377</td>
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<tr>
<td>2009</td>
<td>467,159.4236</td>
<td>21.49440753</td>
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<td>2010</td>
<td>436,975.3831</td>
<td>13.52816734</td>
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<tr>
<td>2011</td>
<td>399,801.7658</td>
<td>12.67035935</td>
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<tr>
<td>2012</td>
<td>404,661.4659</td>
<td>12.50861262</td>
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<tr>
<td>Totals</td>
<td>1,847,813.679</td>
<td>67,66490722</td>
</tr>
</tbody>
</table>

- **5-yr total:** 369,563 mmbf
- **1,211,545 mmbf**

---

- **gT = green tons (solid wood up to 7” dbh & all high defect)**
- **S = small log mmbf (>7”-12” dbh)**
- **L = large log mmbf (>12” dbh)**
- **def = high defect**

---

**Graph:**

- **mmbf** 0, 50, 100, 150, 200, 250, 300
- **Categories:** gT, Small Log, Large Log
- **Legend:**
  - <7”
  - >7”-12”
  - >12”
  - gT
  - Small Log
  - Large Log
  - def

---

**November 2008**

**SE Alaska CROP. 5**

**MATER LTD.**
**SE Alaska: All Agencies** CROP offering/removal ‘08 – ‘12  
(gT = 1,847,813 / S = 67.665 mmbf / L = 774.317 mmbf)  
(1,211.545 total mmbf)

<table>
<thead>
<tr>
<th>Agency</th>
<th>gT</th>
<th>S</th>
<th>L</th>
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<tr>
<td>Craig RD</td>
<td>19,011</td>
<td>1.10</td>
<td>9.65</td>
</tr>
<tr>
<td>Hoonah RD</td>
<td>44,655</td>
<td>1.98</td>
<td>21.62</td>
</tr>
<tr>
<td>Juneau RD</td>
<td>1,977</td>
<td>.03</td>
<td>.78</td>
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<tr>
<td>Ketchikan RD</td>
<td>238,094</td>
<td>4.98</td>
<td>97.66</td>
</tr>
<tr>
<td>Petersburg RD</td>
<td>524,172</td>
<td>9.50</td>
<td>218.99</td>
</tr>
<tr>
<td>Sitka RD</td>
<td>1,119</td>
<td>.01</td>
<td>.26</td>
</tr>
<tr>
<td>Thorne Bay RD</td>
<td>567,627</td>
<td>7.52</td>
<td>207.05</td>
</tr>
<tr>
<td>Wrangell RD</td>
<td>215,591</td>
<td>3.92</td>
<td>89.92</td>
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<tr>
<td>Yukatat RD</td>
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<th>S</th>
<th>L</th>
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<tr>
<td>Haines State Forest</td>
<td>9,000</td>
<td>1.07</td>
<td>2.12</td>
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<tr>
<td>Other State Lands</td>
<td>62,300</td>
<td>24.11</td>
<td>41.83</td>
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<tr>
<td>Trust Lands</td>
<td>68,705</td>
<td>4.31</td>
<td>60.88</td>
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<th>Agency</th>
<th>gT</th>
<th>S</th>
<th>L</th>
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<tbody>
<tr>
<td>Prince of Wales</td>
<td>95,395</td>
<td>9.12</td>
<td>23.56</td>
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</tbody>
</table>

Tongass NF:
- A Craig RD (gT = 19,011 / S = 1.10 / L = 9.65)
- B Hoonah RD (gT = 44,655 / S = 1.98 / L = 21.62)
- C Juneau RD (gT = 1,977 / S = .03 / L = .78)
- D Ketchikan RD (gT = 238,094 / S = 4.98 / L = 97.66)
- E Petersburg RD (gT = 524,172 / S = 9.50 / L = 218.99)
- F Sitka RD (gT = 1,119 / S = .01 / L = .26)
- G Thorne Bay RD (gT = 567,627 / S = 7.52 / L = 207.05)
- H Wrangell RD (gT = 215,591 / S = 3.92 / L = 89.92)
- I Yukatat RD (gT = 163 / S = 0 / L = 0)

State of Alaska Lands:
- J Haines State Forest (gT = 9,000 / S = 1.07 / L = 2.12)
- K Other State Lands (gT = 62,300 / S = 24.11 / L = 41.83)

Alaska Mental Health Trust:
- L Trust Lands (gT = 68,705 / S = 4.31 / L = 60.88)

Sealaska Corporation:
- M Prince of Wales (gT = 95,395 / S = 9.12 / L = 23.56)
NEPA Overviews
(National Environmental Policy Act)

NEPA Process – All Agencies:
Total 5-yr volume (997.465 mmbf; includes gT as mmbf)

<table>
<thead>
<tr>
<th></th>
<th>mmbf</th>
<th>% of total</th>
</tr>
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<tbody>
<tr>
<td>Approved</td>
<td>248.280</td>
<td>25%</td>
</tr>
<tr>
<td>In process</td>
<td>447.952</td>
<td>45%</td>
</tr>
<tr>
<td>Just started</td>
<td>300.923</td>
<td>30%</td>
</tr>
<tr>
<td>Not started</td>
<td>.309</td>
<td>&lt;1%</td>
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![Graph: NEPA Process: All Federal Agencies Total 5-yr Volume (997.465 mmbf)]

![Graph: NEPA Process: All Federal Agencies Total 5-yr Volume (997.465 mmbf)]
Tongass NF: Total 5-yr volume (997.465 mmbf; includes gT as mmbf)

<table>
<thead>
<tr>
<th>mmbf</th>
<th>% of total</th>
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<tbody>
<tr>
<td>Approved</td>
<td>248.280</td>
</tr>
<tr>
<td>In process</td>
<td>447.952</td>
</tr>
<tr>
<td>Just started</td>
<td>300.923</td>
</tr>
<tr>
<td>Not started</td>
<td>.309</td>
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Tongass NF: Craig RD (14.554 mmbf; includes gT as mmbf)

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<tr>
<td>Approved</td>
<td>14.554</td>
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<tr>
<td>Just started</td>
<td>0</td>
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<tr>
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Tongass NF: Hoonah RD (32.535 mmbf; includes gT as mmbf)

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<tr>
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Tongass NF: Juneau RD (1.207 mmbf; includes gT as mmbf)

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<tr>
<td>Approved</td>
<td>1.207</td>
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<tr>
<td>In process</td>
<td>0</td>
</tr>
<tr>
<td>Just started</td>
<td>0</td>
</tr>
<tr>
<td>Not started</td>
<td>0</td>
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Tongass NF: Ketchikan RD (150.261 mmbf; includes gT as mmbf)

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<tr>
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<tr>
<td>In process</td>
<td>114.492</td>
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<td>Just started</td>
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<td>Not started</td>
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Tongass NF: Petersburg RD (333.323 mmbf; includes gT as mmbf)

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<td>In process</td>
<td>82.812</td>
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<tr>
<td>Just started</td>
<td>165.624</td>
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<td>Not started</td>
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Tongass NF: Sitka RD (.4935 mmbf; includes gT as mmbf)

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<tr>
<td>Approved</td>
<td>.0296 6%</td>
</tr>
<tr>
<td>In process</td>
<td>.1546 31%</td>
</tr>
<tr>
<td>Just started</td>
<td>0 0%</td>
</tr>
<tr>
<td>Not started</td>
<td>.3093 63%</td>
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Tongass NF: Thorne Bay RD (328.101 mmbf; includes gT as mmbf)

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<tr>
<td>Approved</td>
<td>19.703 6%</td>
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<tr>
<td>In process</td>
<td>213.214 65%</td>
</tr>
<tr>
<td>Just started</td>
<td>95.184 29%</td>
</tr>
<tr>
<td>Not started</td>
<td>0 0%</td>
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</table>

Tongass NF: Wrangell RD (136.957 mmbf; includes gT as mmbf)

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<tr>
<td>Approved</td>
<td>62.024 45%</td>
</tr>
<tr>
<td>In process</td>
<td>34.819 25%</td>
</tr>
<tr>
<td>Just started</td>
<td>40.114 29%</td>
</tr>
<tr>
<td>Not started</td>
<td>0 0%</td>
</tr>
</tbody>
</table>
Tongass NF: Yukatat RD (.0326 mmbf; includes gT as mmbf)

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<th></th>
<th>mmbf</th>
<th>% of total</th>
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<tr>
<td>Approved</td>
<td>.0326</td>
<td>100%</td>
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<tr>
<td>In process</td>
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<tr>
<td>Just started</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>Not started</td>
<td>0</td>
<td>0%</td>
</tr>
</tbody>
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![NEPA Process: Tongass NF Yukatat RD (5-yr: .0326 mmbf)](image-url)
ROMs by Species
(Resource Offering/Removal Maps)
SE Alaska: Western Hemlock CROP offering/removal ‘08 – ‘12
(gT = 832,925 / S = 33.567 mmbf / L = 316.374 mmbf)
(516.526 total mmbf)

ROM # WH 1

Tongass NF: 9 RDs – 78%
(gT = 682,382 / S = 13.015 / L = 251.210)

State of Alaska Lands: 9%
(gT = 47,395 / S = 14.205 / L = 23.037)

Alaska Mental Health Trust: 9%
(gT = 45,180 / S = 3.772 / L = 6.605)
(*data given only for 2009)

Sealaska Corp: 4%*
(gT = 57,966 / S = 3.772 / L = 6.605)
(*data given only for 2009)

All Agencies: Western Hemlock
(5-yr total = 516.526 mmbf)
166.58 mmbf is <7'' = 832,925 gT of biomass
33.567 mmbf is >7''-12'' = small logs
316.374 mmbf is >12'' = large logs

<table>
<thead>
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<th>Year</th>
<th>gT</th>
<th>mmbf</th>
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<tr>
<td>2009</td>
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<tr>
<td>2010</td>
<td>190894.0547</td>
<td>6.797559998</td>
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<tr>
<td>2011</td>
<td>171129.8861</td>
<td>6.285861278</td>
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<td>2012</td>
<td>172751.5531</td>
<td>6.13752065</td>
</tr>
<tr>
<td>Totals</td>
<td>832,925.0</td>
<td>33.56702837</td>
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% 32% 6% 61%
mmbf 166.5850006

Tongass NF

Western Hemlock, Biomass, Small Log, Large Log

<table>
<thead>
<tr>
<th>Year</th>
<th>gT</th>
<th>mmbf</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008</td>
<td>86236.11462</td>
<td>4.488797033</td>
</tr>
<tr>
<td>2009</td>
<td>211913.3947</td>
<td>9.857289414</td>
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<tr>
<td>2010</td>
<td>190894.0547</td>
<td>6.797559998</td>
</tr>
<tr>
<td>2011</td>
<td>171129.8861</td>
<td>6.285861278</td>
</tr>
<tr>
<td>2012</td>
<td>172751.5531</td>
<td>6.13752065</td>
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<td>Totals</td>
<td>832,925.0</td>
<td>33.56702837</td>
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</tbody>
</table>

% 32% 6% 61%
mmbf 166.5850006

516.5264584

November 2008
SE Alaska CROP. 13

MATER LTD.
**SE Alaska: Western Hemlock CROP offering/removal ‘08 – ‘12**  
(gT = 832,925 / S = 33,567 mmbf / L = 316,374 mmbf)  
(516,526 total mmbf)

<table>
<thead>
<tr>
<th>Letter</th>
<th>Location</th>
<th>Code 1</th>
<th>Code 2</th>
<th>Code 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Craig RD*</td>
<td>gT = 9,189 / S = .547 / L = 3.666</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>Hoonah RD</td>
<td>gT = 20,959 / S = 1.014 / L = 8.139</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>Juneau RD</td>
<td>gT = 1,327 / S = .023 / L = .519</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>Ketchikan RD</td>
<td>gT = 133,945 / S = 3.13 / L = 53.735</td>
<td></td>
<td></td>
</tr>
<tr>
<td>E</td>
<td>Petersburg RD</td>
<td>gT = 19,983 / S = .443 / L = 7.728</td>
<td></td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>Sitka RD</td>
<td>gT = 746 / S = .006 / L = .148</td>
<td></td>
<td></td>
</tr>
<tr>
<td>G</td>
<td>Thorne Bay RD</td>
<td>gT = 349,997 / S = 4.868 / L = 117.498</td>
<td></td>
<td></td>
</tr>
<tr>
<td>H</td>
<td>Wrangell RD</td>
<td>gT = 146,070 / S = 2.983 / L = 59.776</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>Yukatat RD</td>
<td>gT = 163 / S = 0 / L = 0</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Letter</th>
<th>Location</th>
<th>Code 1</th>
<th>Code 2</th>
<th>Code 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>J</td>
<td>Haines State Forest</td>
<td>gT = 2,210 / S = .406 / L = .658</td>
<td></td>
<td></td>
</tr>
<tr>
<td>K</td>
<td>Other State Lands</td>
<td>gT = 45,185 / S = 13.799 / L = 22.379</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Alaska Mental Health Trust:**  
L Trust Lands  
(gT = 45,180 / S = 2.575 / L = 35.522)

**Sealaska Corporation:**  
M Prince of Wales  
(gT = 57,966 / S = 3.772 / L = 6.605)

*italics/bold = species offering in CROP*
Western Hemlock: Diameter by Year

(<4” & >4”-7” diameters do not distinguish between solid & high-defect wood)

SE Alaska - Western Hemlock: <4” Diameter by Year (13.524 mmbf)

SE Alaska - Western Hemlock: >4”-7” Diameter by Year (16.588 mmbf)

SE Alaska - Western Hemlock: High-Defect >7”-9” Diameter by Year (2.569 mmbf)

SE Alaska - Western Hemlock: Solid >7”-9” Diameter by Year (6.878 mmbf)

SE Alaska - Western Hemlock: High-Defect >9”-12” Diameter by Year (8.574 mmbf)

SE Alaska - Western Hemlock: Solid >9”-12” Diameter by Year (26.689 mmbf)

SE Alaska - Western Hemlock: High-Defect >12” Diameter by Year (125.330 mmbf)

SE Alaska - Western Hemlock: Solid >12” Diameter by Year (316.374 mmbf)
**SE Alaska: Western Hemlock CROP offering/removal ‘08 – ‘12 (by agency)**

- **gT** = green tons (solid wood up to 7” dbh & all high defect)
- **S** = small log mmfb (>7”-12” dbh)
- **L** = large log mmfb (>12” dbh)
- **def** = high defect

**Tongass NF - Craig RD: Western Hemlock**

- **2008 Total Volume by Diameter**
  - 5-yr = 6.051 mmfb

- **2009 Total Volume by Diameter**
  - (.748 mmfb)

- **2010, ’11, ’12 Annual Volume by Diameter**
  - (.384 mmfb/yr)

**Western Hemlock**

**Tongass NF: Craig RD**

<table>
<thead>
<tr>
<th>Diameter</th>
<th>2008 Volume</th>
<th>2009 Volume</th>
<th>2010/’11/’12 Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;4&quot;</td>
<td>0.0653</td>
<td>0.0166</td>
<td>0.0668</td>
</tr>
<tr>
<td>&gt;4&quot;-7&quot;</td>
<td>0.0282</td>
<td>0.0356</td>
<td>0.0356</td>
</tr>
<tr>
<td>&gt;7&quot;-9&quot;</td>
<td>0.0458</td>
<td>0.0458</td>
<td>0.0458</td>
</tr>
<tr>
<td>&gt;9&quot;-12&quot;</td>
<td>0.0534</td>
<td>0.0534</td>
<td>0.0534</td>
</tr>
<tr>
<td>&gt;12&quot;</td>
<td>0.2095</td>
<td>0.2095</td>
<td>0.2095</td>
</tr>
</tbody>
</table>

**Notes:**
- Unlevel supply from year to year
- <4" = 2% (.148 mmfb)
- >4"-7" = 6% (.375 mmfb)
- >7"-9" def = <1% (.016 mmfb)
- >9"-12" def = 1% (.060 mmfb)
- >12" def = 20% (1.238 mmfb)

- >7"-9" = 2% (.146 mmfb)
- >9"-12" = 7% (.402 mmfb)
- >12" = 61% (3.666 mmfb)
**SE Alaska: Western Hemlock CROP offering/removal ’08 – ’12 (by agency)**

<table>
<thead>
<tr>
<th>Western Hemlock</th>
<th>5-yr = 13.345 mmbf</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tongass NF: Hoonah RD</td>
<td></td>
</tr>
</tbody>
</table>

- Unlevel supply from year to year
- `<4"` = 2% (.293 mmbf)
- `>4"-7"` = 7% (.867 mmbf)
- `>7"-9" def` = <1% (.034 mmbf)
- `>9"-12" def` = 1% (.114 mmbf)
- `>12" def` = 22% (2.883 mmbf)

<table>
<thead>
<tr>
<th>gT</th>
<th>S</th>
<th>L</th>
</tr>
</thead>
<tbody>
<tr>
<td>20,959</td>
<td>1.014</td>
<td>8.139</td>
</tr>
</tbody>
</table>

\[\text{gT} = \text{green tons (solid wood up to 7" dbh & all high defect)}\]
\[\text{S} = \text{small log mmbf (>7"-12" dbh)}\]
\[\text{L} = \text{large log mmbf (>12" dbh)}\]
\[\text{def} = \text{high defect}\]
### SE Alaska: *Western Hemlock* CROP offering/removal ‘08 – ‘12 (by agency)

ROM # WH 1.5

<table>
<thead>
<tr>
<th>Western Hemlock</th>
<th>Tongass NF: Juneau RD</th>
<th>5-yr = .807 mmbf</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>gT = 1.327</strong></td>
<td><strong>&lt;4”</strong> = 1% (.008 mmbf)</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>&gt;4”-7”</strong> = 3% (.025 mmbf)</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>&gt;7”-9” def</strong> = &lt;1% (.001 mmbf)</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>&gt;9”-12” def</strong> = 1% (.008 mmbf)</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>&gt;12” def</strong> = 28% (.223 mmbf)</td>
<td></td>
</tr>
<tr>
<td><strong>S = .023</strong></td>
<td><strong>&gt;7”-9”</strong> = &lt;1% (.003 mmbf)</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>&gt;9”-12”</strong> = 2% (.019 mmbf)</td>
<td></td>
</tr>
<tr>
<td><strong>L = .519</strong></td>
<td><strong>&gt;12”</strong> = 64% (.519 mmbf)</td>
<td></td>
</tr>
</tbody>
</table>

- **gT** = green tons (solid wood up to 7” dbh & all high defect)
- **S** = small log mmbf (>7”-12” dbh)
- **L** = large log mmbf (>12” dbh)
- **def** = high defect

Tongass NF - Juneau RD: Western Hemlock '08, '10, '12 Annual Volume by Diameter (.269 mmbf/yr)
**Western Hemlock**

**Tongass NF: Ketchikan RD**

5-yr = 83,654 mmbf

- Unlevel supply from year to year
- <4” = <1% (.086 mmbf)
- >4”-7” = 3% (2.332 mmbf)
- >7”-9” def = <1% (.386 mmbf)
- >9”-12” def = 1% (.956 mmbf)
- >12” def = 28% (23.029 mmbf)

**gT** = green tons (solid wood up to 7” dbh & all high defect)

**S** = small log mmbf (>7”-12” dbh)

**L** = large log mmbf (>12” dbh)

**def** = high defect

---

**Tongass NF - Ketchikan RD: Western Hemlock**

- **2008 Total Volume by Diameter** (19.880 mmbf)
  - <4”
  - >4”-7”
  - >7”-9”
  - >9”-12”
  - >12”

- **2009 Total Volume by Diameter** (16.881 mmbf)
  - <4”
  - >4”-7”
  - >7”-9”
  - >9”-12”
  - >12”

- **2010 Total Volume by Diameter** (29.065 mmbf)
  - <4”
  - >4”-7”
  - >7”-9”
  - >9”-12”
  - >12”

- **2011 Total Volume by Diameter** (17.818 mmbf)
  - <4”
  - >4”-7”
  - >7”-9”
  - >9”-12”
  - >12”

- **2012 Total Volume by Diameter** (.0098 mmbf)
  - <4”
  - >4”-7”
  - >7”-9”
  - >9”-12”
  - >12”
**SE Alaska: Western Hemlock CROP offering/removal '08 – '12**
(by agency)

<table>
<thead>
<tr>
<th>Western Hemlock Tongass NF: Petersburg RD</th>
<th>5-yr = 12.167 mmbf</th>
</tr>
</thead>
<tbody>
<tr>
<td>gT = 19,983</td>
<td></td>
</tr>
<tr>
<td>&lt;4” = 2% (.218 mmbf)</td>
<td></td>
</tr>
<tr>
<td>&gt;4”-7” = 2% (.277 mmbf)</td>
<td></td>
</tr>
<tr>
<td>&gt;7”-9” def = &lt;1% (.022 mmbf)</td>
<td></td>
</tr>
<tr>
<td>&gt;9”-12” def = 1% (.167 mmbf)</td>
<td></td>
</tr>
<tr>
<td>&gt;12” def = 27% (3.312 mmbf)</td>
<td></td>
</tr>
<tr>
<td>S = .443</td>
<td></td>
</tr>
<tr>
<td>&gt;7”-9” = &lt;1% (.052 mmbf)</td>
<td></td>
</tr>
<tr>
<td>&gt;9”-12” = 3% (.391 mmbf)</td>
<td></td>
</tr>
<tr>
<td>L = 7.728</td>
<td>&gt;12” = 64% (7.728 mmbf)</td>
</tr>
</tbody>
</table>

- Unlevel supply from year to year
- gT = green tons (solid wood up to 7” dbh & all high defect)
- S = small log mmbf (>7”-12” dbh)
- L = large log mmbf (>12” dbh)
- def = high defect

---

**Tongass NF - Petersburg RD: Western Hemlock**

**2008 Total Volume by Diameter**

(0.569 mmbf)

**2009 Total Volume by Diameter**

(2.843 mmbf)

**'10, '11, '12 Annual Volume by Diameter**

(2.918 mmbf/yr)
**SE Alaska: Western Hemlock CROP offering/removal ‘08 – ‘12 (by agency)**

<table>
<thead>
<tr>
<th>Western Hemlock</th>
<th>5-yr = .303 mmbf</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tongass NF:</strong></td>
<td></td>
</tr>
<tr>
<td>Sitka RD</td>
<td></td>
</tr>
<tr>
<td><strong>gT = 746</strong></td>
<td></td>
</tr>
<tr>
<td>• Unlevel supply from year to year</td>
<td></td>
</tr>
<tr>
<td>• &lt;4” = 6% (.017 mmbf)</td>
<td></td>
</tr>
<tr>
<td>• &gt;4”-.7” = 22% (.066 mmbf)</td>
<td></td>
</tr>
<tr>
<td>• &gt;7”-9” def = &lt;1% (.0006 mmbf)</td>
<td></td>
</tr>
<tr>
<td>• &gt;9”-12” def = 1% (.002 mmbf)</td>
<td></td>
</tr>
<tr>
<td>• &gt;12” def = 21% (.063 mmbf)</td>
<td></td>
</tr>
<tr>
<td><strong>S = .006</strong></td>
<td></td>
</tr>
<tr>
<td>• &gt;7”-.9” = &lt;1% (.0014 mmbf)</td>
<td></td>
</tr>
<tr>
<td>• &gt;9”-12” = 1% (.0045 mmbf)</td>
<td></td>
</tr>
<tr>
<td><strong>L = .148</strong></td>
<td></td>
</tr>
<tr>
<td>• &gt;12” = 49% (.148 mmbf)</td>
<td></td>
</tr>
</tbody>
</table>

**gT** = green tons (solid wood up to 7” dbh & all high defect)

**S** = small log mmbf (>7”-12” dbh)

**L** = large log mmbf (>12” dbh)

**def** = high defect
SE Alaska: Western Hemlock CROP offering/removal ‘08 – ‘12 (by agency)

ROM # WH 1.9

G

Western Hemlock
Tongass NF: Thorne Bay RD
5-yr = 192.366 mmbf

- Unlevel supply from year to year
- <4" = 6% (11.488 mmbf)
- >4"-7" = 3% (6.499 mmbf)
- >7"-9" = <1% (.327 mmbf)
- >9"-12" def = 1% (1.620 mmbf)
- >12" def = 26% (50.065 mmbf)
- >7"-9" = <1% (.859 mmbf)
- >9"-12" = 2% (4.009 mmbf)
- >12" = 61% (117.498 mmbf)

Tongass NF - Thorne Bay RD: Western Hemlock
2008 Total Volume by Diameter (2.481 mmbf)

Tongass NF - Thorne Bay RD: Western Hemlock
2009 Total Volume by Diameter (36.853 mmbf)

Tongass NF - Thorne Bay RD: Western Hemlock
2010 Total Volume by Diameter (48.201 mmbf)

Tongass NF - Thorne Bay RD: Western Hemlock
2011 Total Volume by Diameter (47.640 mmbf)

Tongass NF - Thorne Bay RD: Western Hemlock
2012 Total Volume by Diameter (57.190 mmbf)

\[ gT = \text{green tons (solid wood up to 7" dbh & all high defect)} \]
\[ S = \text{small log mmbf (>7"-12" dbb)} \]
\[ L = \text{large log mmbf (>12" dbb)} \]
\[ \text{def = high defect} \]
**Western Hemlock CROP offering/removal ‘08 – ‘12 (by agency)**

- **gT** = green tons (solid wood up to 7” dbh & all high defect)
- **S** = small log mmbf (>7”-12” dbh)
- **L** = large log mmbf (>12” dbh)
- **def** = high defect

**H**

**Western Hemlock CROP offering/removal ‘08 – ‘12 (by agency)**

**5-yr = 91.974 mmbf**

- Unlevel supply from year to year
  - <4” = 1% (.791 mmbf)
  - >4”-7” = 2% (1.527 mmbf)
  - >7”-9” def = <1% (.187 mmbf)
  - >9”-12” def = 1% (1.091 mmbf)
  - >12” def = 28% (25.617 mmbf)

**S = 2.983**

- >7”-9” = <1% (.437 mmbf)
- >9”-12” = 3% (2.545 mmbf)

**L = 59.776**

- >12” = 65% (59.776 mmbf)

---

**Tongass NF - Wrangell RD: Western Hemlock**

2008 Total Volume by Diameter (22.209 mmbf)

2009 Total Volume by Diameter (22.317 mmbf)

2010 Total Volume by Diameter (15.098 mmbf)

'11 & '12 Annual Volume by Diameter (16.175 mmbf/yr)
**Western Hemlock**

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Volume (mmbf)</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;4”</td>
<td>0.003 mmbf</td>
</tr>
<tr>
<td>&gt;4”-.7”</td>
<td>0.030 mmbf</td>
</tr>
<tr>
<td>&gt;7”-.9”  def</td>
<td>0 mmbf</td>
</tr>
<tr>
<td>&gt;9”-.12” def</td>
<td>0 mmbf</td>
</tr>
<tr>
<td>&gt;12” def</td>
<td>0 mmbf</td>
</tr>
</tbody>
</table>

**Tongass NF: Yukatat RD: Western Hemlock**

<table>
<thead>
<tr>
<th>5-yr</th>
<th>.033 mmbf; .0065 mmbf/yr</th>
</tr>
</thead>
<tbody>
<tr>
<td>gT</td>
<td>163</td>
</tr>
<tr>
<td>S</td>
<td>0</td>
</tr>
<tr>
<td>L</td>
<td>0</td>
</tr>
</tbody>
</table>

- **gT** = green tons (solid wood up to 7” dbh & all high defect)
- **S** = small log mmbf (>7”-12” dbh)
- **L** = large log mmbf (>12” dbh)
- def = high defect
Western Hemlock
State of Alaska: Haines State Forest
5-yr = 1.506 mmbf

- Fairly level supply from year to year

<table>
<thead>
<tr>
<th>Diameter</th>
<th>gT</th>
<th>S</th>
<th>L</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;4”</td>
<td>3%</td>
<td>.040 mmbf</td>
<td></td>
</tr>
<tr>
<td>&gt;4”-7”</td>
<td>4%</td>
<td>.060 mmbf</td>
<td></td>
</tr>
<tr>
<td>&gt;7”-9” def</td>
<td>2%</td>
<td>.029 mmbf</td>
<td></td>
</tr>
<tr>
<td>&gt;9”-12” def</td>
<td>7%</td>
<td>.106 mmbf</td>
<td></td>
</tr>
<tr>
<td>&gt;12” def</td>
<td>14%</td>
<td>.207 mmbf</td>
<td></td>
</tr>
<tr>
<td>&gt;12”</td>
<td>44%</td>
<td>.658 mmbf</td>
<td></td>
</tr>
</tbody>
</table>

gT = green tons (solid wood up to 7” dbh & all high defect)
S = small log mmbf (>7”-12” dbh)
L = large log mmbf (>12” dbh)
def = high defect
**SE Alaska: Western Hemlock CROP offering/removal ‘08 – ‘12 (by agency)**

**ROM # WH 1.13**

- **gT** = green tons (solid wood up to 7” dbh & all high defect)
- **S** = small log mmbf (>7”-12” dbh)
- **L** = large log mmbf (>12” dbh)
- **def** = high defect

### Western Hemlock

**State of Alaska: Other State Lands**

<table>
<thead>
<tr>
<th>5-yr = 45,215 mmbf</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Unlevel supply from year to year</strong></td>
</tr>
<tr>
<td>- &lt;4” = 0% (0 mmbf)</td>
</tr>
<tr>
<td>- &gt;4”-7” = 0% (0 mmbf)</td>
</tr>
<tr>
<td>- &gt;7”-9” def = 1% (.59 mmbf)</td>
</tr>
<tr>
<td>- &gt;9”-12” def = 6% (2.857 mmbf)</td>
</tr>
<tr>
<td>- &gt;12” def = 20% (5.590 mmbf)</td>
</tr>
<tr>
<td><strong>S = 13.799</strong></td>
</tr>
<tr>
<td>- &gt;7”-9” = 5% (2.358 mmbf)</td>
</tr>
<tr>
<td>- &gt;9”-12” = 25% (11.441 mmbf)</td>
</tr>
<tr>
<td><strong>L = 22.379</strong></td>
</tr>
<tr>
<td>- &gt;12” = 49% (22.379 mmbf)</td>
</tr>
</tbody>
</table>

---

**State of Alaska - Other State Lands:**

**Western Hemlock 2008 Total Volume**

- by Diameter (9.054 mmbf)

**Western Hemlock 2009 Total Volume**

- by Diameter (10.208 mmbf)

**Western Hemlock 2010 Total Volume**

- by Diameter (8.939 mmbf)

**Western Hemlock 2011 Total Volume**

- by Diameter (8.362 mmbf)

**Western Hemlock 2012 Total Volume**

- by Diameter (8.652 mmbf)
**Western Hemlock**

<table>
<thead>
<tr>
<th>Alaska Mental Health Trust</th>
<th>5-yr = 47.134 mmbf</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Fairly level supply from year to year</td>
<td></td>
</tr>
<tr>
<td>• <strong>gT</strong> = 45,180</td>
<td></td>
</tr>
<tr>
<td>• &lt;4” = 0% (0 mmbf)</td>
<td></td>
</tr>
<tr>
<td>• &gt;4”-7” = 0% (0 mmbf)</td>
<td></td>
</tr>
<tr>
<td>• &gt;7”-9” def = &lt;1% (.067 mmbf)</td>
<td></td>
</tr>
<tr>
<td>• &gt;9”-12” def = &lt;1% (.089 mmbf)</td>
<td></td>
</tr>
<tr>
<td>• &gt;12” def = 19% (8.881 mmbf)</td>
<td></td>
</tr>
<tr>
<td>• &gt;7”-9” = 1% (.355 mmbf)</td>
<td></td>
</tr>
<tr>
<td>• &gt;9”-12” = 5% (2.220 mmbf)</td>
<td></td>
</tr>
<tr>
<td>• &gt;12” = 75% (35.522 mmbf)</td>
<td></td>
</tr>
</tbody>
</table>

**Mental Health Trust:**

**Western Hemlock 2008 Total Volume by Diameter (1.129 mmbf)**

```
<4'  >4'-7'  >7'-9'  >9'-12'  >12'  >7'-9'  >9'-12'  >12'
0.01 0.02 0.03 0.04 0.05 0.06 0.07 0.08 0.09 0.10
```

**Western Hemlock 2009 Total Volume by Diameter (1.259 mmbf)**

```
<4'  >4'-7'  >7'-9'  >9'-12'  >12'  >7'-9'  >9'-12'  >12'
0.01 0.02 0.03 0.04 0.05 0.06 0.07 0.08 0.09 0.10
```

**Western Hemlock 2010 Total Volume by Diameter (13.375 mmbf)**

```
<4'  >4'-7'  >7'-9'  >9'-12'  >12'  >7'-9'  >9'-12'  >12'
0.01 0.02 0.03 0.04 0.05 0.06 0.07 0.08 0.09 0.10
```

**Western Hemlock 2011 Total Volume by Diameter (15.668 mmbf)**

```
<4'  >4'-7'  >7'-9'  >9'-12'  >12'  >7'-9'  >9'-12'  >12'
0.01 0.02 0.03 0.04 0.05 0.06 0.07 0.08 0.09 0.10
```

**Western Hemlock 2012 Total Volume by Diameter (15.703 mmbf)**

```
<4'  >4'-7'  >7'-9'  >9'-12'  >12'  >7'-9'  >9'-12'  >12'
0.01 0.02 0.03 0.04 0.05 0.06 0.07 0.08 0.09 0.10
```

**gT** = green tons (solid wood up to 7” dbh & all high defect)

**S** = small log mmbf (>7”-12” dbh)

**L** = large log mmbf (>12” dbh)

**def** = high defect
**Western Hemlock**

<table>
<thead>
<tr>
<th>Sealaska Corporation: Prince of Wales</th>
<th>5-yr = 21.970 mmbf</th>
</tr>
</thead>
</table>

- **Offered only in 2009**
  - gT = 57,966
    - <4” = 1% (.263 mmbf)
    - >4”-7” = 13% (2.762 mmbf)
    - <4” def = 1% (.168 mmbf)
    - >4”-7” def = 8% (1.766 mmbf)
    - >7”-9” def = 4% (.909 mmbf)
    - >9”-12” def = 7% (1.503 mmbf)
    - >12” def = 19% (4.223 mmbf)

- S = 3.772
  - >7”-9” = 6% (1.421 mmbf)
  - >9”-12” = 11% (2.351 mmbf)

- L = 6.605
  - >12” = 30% (6.605 mmbf)

---

**gT** = green tons (solid wood up to 7” dbh & all high defect)

**S** = small log mmbf (<7”-12” dbh)

**L** = large log mmbf (>12” dbh)

**def** = high defect
**SE Alaska: Western Redcedar CROP offering/removal ‘08 – ‘12**
(gT = 462,171 / S = 14.661 mmbf / L = 203.650 mmbf)
(310.746 total mmbf)

- **Tongass NF: 7 RDs – 93%**
  (gT = 455,612 / S = 8.365 / L = 188.739)

- **State of Alaska Lands: 5%**
  (gT = 0 / S = 5.491 / L = 8.904)

- **Alaska Mental Health Trust: 2%**
  (gT = 5,649 / S = .448 / L = .959)
  (*data given only for 2009)

- **Sealaska Corp: 1%**
  (gT = 910 / S = .448 / L = .959)

**All Agencies: Western Redcedar**
(5-yr total = 310.746 mmbf)
- 92,434 mmbf is <7" = 462,171 gT of biomass
- 14,662 mmbf is >7"-12" = small logs
- 203,650 mmbf is >12" = large logs

**Glossary**
- gT = green tons (solid wood up to 7” dbh & all high defect)
- S = small log mmbf (>7"-12” dbh)
- L = large log mmbf (>12” dbh)
- def = high defect
**SE Alaska: Western Redcedar CROP offering/removal ‘08 – ‘12**

\( gT = 462,171 / S = 14.661 \text{ mmbf} / L = 203.650 \text{ mmbf} \)

(310.746 total mmbf)

\( gT = \) green tons (solid wood up to 7” dbh & all high defect)
\( S = \) small log mmbf (>7”-12” dbh)
\( L = \) large log mmbf (>12” dbh)
\( \text{def} = \) high defect

**Tongass NF:**

A Craig RD*  \( (gT = 3,639 / S = .076 / L = 1.473) \)
B Hoonah RD  \( (gT = 31 / S = .014 / L = .076) \)
C Juneau RD
D Ketchikan RD  \( (gT = 26,396 / S = .286 / L = 11.580) \)
E Petersburg RD  \( (gT = 354,092 / S = 7.247 / L = 114.222) \)
F Sitka RD  \( (gT = .009 / S = 0 / L = .000004) \)
G Thorne Bay RD  \( (gT = 69,804 / S = .727 / L = 29.657) \)
H Wrangell RD  \( (gT = 1,647 / S = .015 / L = .730) \)
I Yukatat RD

**State of Alaska Lands:**

J Haines State Forest
K Other State Lands  \( (gT = 0 / S = 5.491 / L = 8.904) \)

**Alaska Mental Health Trust:**

L Trust Lands  \( (gT = 5.649 / S = .357 / L = 5.049) \)

**Sealaska Corporation:**

M Prince of Wales  \( (gT = 910 / S = .448 / L = .959) \)

*italics/bold = species offering in CROP*
Western Redcedar: Diameter by Year

(<4” & >4”-7” diameters do not distinguish between solid & high-defect wood)

SE Alaska - Western Redcedar: <4” Diameter by Year (2.373 mmbf)

SE Alaska - Western Redcedar: >4”-7” Diameter by Year (4.461 mmbf)

SE Alaska - Western Redcedar: High-Defect >7”-9” Diameter by Year (0.557 mmbf)

SE Alaska - Western Redcedar: Solid >7”-9” Diameter by Year (2.453 mmbf)

SE Alaska - Western Redcedar: High-Defect >9”-12” Diameter by Year (3.061 mmbf)

SE Alaska - Western Redcedar: Solid >9”-12” Diameter by Year (12.209 mmbf)

SE Alaska - Western Redcedar: High-Defect >12” Diameter by Year (81.982 mmbf)

SE Alaska - Western Redcedar: Solid >12” Diameter by Year (203.650 mmbf)

SE Alaska - Western Redcedar: >4”-7” Diameter by Year (4.461 mmbf)
SE Alaska: Western Redcedar CROP offering/removal ‘08 – ‘12
(by agency)

\[ gT = \text{green tons (solid wood up to 7” dbh & all high defect)} \]
\[ S = \text{small log mmbf (>7”-12” dbh)} \]
\[ L = \text{large log mmbf (>12” dbh)} \]
\[ \text{def} = \text{high defect} \]

**Western Redcedar**

**Tongass NF: Craig RD**

5-yr = 2.277 mmbf

- Unlevel supply from year to year
- \(<4” = 1\% (.015 mmbf)\)
- \(>4”-7” = 3\% (.069 mmbf)\)
- \(>7”-9” \text{ def} = <1\% (.007 mmbf)\)
- \(>9”-12” \text{ def} = 1\% (.022 mmbf)\)
- \(>12” \text{ def} = 27\% (.615 mmbf)\)

**S = .076**

- \(>7”-9” \text{ def} = 1\% (.018 mmbf)\)
- \(>9”-12” = 3\% (.057 mmbf)\)

**L = 1.473**

- \(>12” = 65\% (1.473 mmbf)\)
**SE Alaska: Western Redcedar CROP offering/removal ‘08 – ‘12 (by agency)**

<table>
<thead>
<tr>
<th>Western Redcedar</th>
<th>5-yr = .097 mmbf; .0242 mmbf/yr</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tongass NF: Hoonah RD</td>
<td></td>
</tr>
</tbody>
</table>

- No offering in ‘08; level supply for years offered

- **gT = 31**
  - <4” = 4% (.003 mmbf)
  - >4"-.7" = 0% (0 mmbf)
  - >7"-.9” def = <1% (.0001 mmbf)
  - >9”-12” def = <1% (.0003 mmbf)
  - >12” def = 2% (.002 mmbf)

- **S = .014**
  - >7”-.9” = 5% (.004 mmbf)
  - >9”-12” = 10% (.010 mmbf)

- **L = .076**
  - >12” = 79% (.076 mmbf)

---

- **ROM # WRC 1.4**

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**Tongass NF - Hoonah RD: Western Redcedar ’09, ’10, ’11, ’12 Annual Volume by Diameter (.0242 mmbf/yr)**
SE Alaska: Western Redcedar CROP offering/removal ‘08 – ‘12
(by agency)

ROM # WRC 1.5

Western Redcedar

Tongass NF: Ketchikan RD

5-yr = 17.145 mmbf

- Unlevel supply from year to year
  - <4” = <1% (.019 mmbf)
  - >4”-7” = 1% (.175 mmbf)
  - >7”-9” def = <1% (.035 mmbf)
  - >9”-12” def = 1% (.088 mmbf)
  - >12” def = 29% (4.963 mmbf)

S = .286

- >7”-9” = <1% (.081 mmbf)
- >9”-12” = 1% (.205 mmbf)

L = 11.58

- >12” = 68% (11.58 mmbf)

D

gT = 26,396

S = .286

L = 11.58

Tongass NF - Ketchikan RD: Western Redcedar
2008 Total Volume by Diameter
(4.074 mmbf)

2009 Total Volume by Diameter
(3.460 mmbf)

2010 Total Volume by Diameter
(5.957 mmbf)

2011 Total Volume by Diameter
(3.652 mmbf)

2012 Total Volume by Diameter
(.0025 mmbf)
**SE Alaska: Western Redcedar CROP offering/removal ’08 – ’12 (by agency)**

<table>
<thead>
<tr>
<th>Western Redcedar</th>
<th>5-yr = 223.287 mmbf</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tongass NF: Petersburg RD</td>
<td></td>
</tr>
<tr>
<td>gT = 354,092</td>
<td>Unlevel supply from year to year</td>
</tr>
<tr>
<td>* &lt;4” = 1% (1.784 mmbf)</td>
<td>* &gt;4”-7” = 2% (3.694 mmbf)</td>
</tr>
<tr>
<td>* &gt;7”-9” def = &lt;1% (.455 mmbf)</td>
<td>* &gt;9”-12” def = 1% (2.650 mmbf)</td>
</tr>
<tr>
<td>* &gt;12” def = 28% (62.235 mmbf)</td>
<td></td>
</tr>
<tr>
<td>S = 7.247</td>
<td>&gt;7”-9” = &lt;1% (1.063 mmbf)</td>
</tr>
<tr>
<td>L = 145,222</td>
<td>&gt;9”-12” = 3% (6.184 mmbf)</td>
</tr>
<tr>
<td></td>
<td>&gt;12” = 65% (145.222 mmbf)</td>
</tr>
</tbody>
</table>

**Tongass NF - Petersburg RD: Western Redcedar**

2008 Total Volume by Diameter
(0.0064 mmbf)

2009 Total Volume by Diameter
(54.735 mmbf)

’10, ’11, ’12 Annual Volume by Diameter
(56.182 mmbf/yr)
SE Alaska: Western Redcedar CROP offering/removal ‘08 – ‘12
(by agency)

ROM # WRC 1.7

**Western Redcedar**

Tongass NF: Sitka RD

5-yr = .000006 mmbf

- No offering for ’09 & ’11; level supply for years offered
- gT = green tons (solid wood up to 7” dbh & all high defect)
- S = small log mmbf (>7”-12” dbh)
- L = large log mmbf (>12” dbh)
- def = high defect

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Offering</th>
<th>Volume (mmbf)</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;4’’</td>
<td>0%</td>
<td>(0 mmbf)</td>
</tr>
<tr>
<td>&gt;4’’-7’’</td>
<td>0%</td>
<td>(0 mmbf)</td>
</tr>
<tr>
<td>&gt;7’’-9’’</td>
<td>0%</td>
<td>(0 mmbf)</td>
</tr>
<tr>
<td>&gt;9’’-12’’</td>
<td>0%</td>
<td>(0 mmbf)</td>
</tr>
<tr>
<td>&gt;12’’</td>
<td>30%</td>
<td>(.000002 mmbf)</td>
</tr>
</tbody>
</table>

- gT = .009
- S = 0
- L = .000004
- >12” = 70% (.000004 mmbf)
**SE Alaska: Western Redcedar CROP offering/removal ‘08 – ‘12**  
(by agency)  

ROM # WRC 1.8

- **gT** = green tons (solid wood up to 7” dbh & all high defect)  
- **S** = small log mmbf (>7”–12” dbh)  
- **L** = large log mmbf (>12” dbh)  
- **def** = high defect

### 5-yr = 44.345 mmbf

- Unlevel supply from year to year
  - <4” = 1% (.518 mmbf)
  - >4”–7” = 1% (.439 mmbf)
  - >7”–9” def = <1% (.038 mmbf)
  - >9”–12” def = 1% (.271 mmbf)
  - >12” def = 29% (12.696 mmbf)

- S = .727
  - >7”–9” = <1% (.091 mmbf)
  - >9”–12” = 1% (.636 mmbf)

- L = 29.657
  - >12” = 67% (29.657 mmbf)

---

**Tongass NF - Thorne Bay RD: Western Redcedar 2008 Total Volume by Diameter**  
(0.575 mmbf)

**Tongass NF - Thorne Bay RD: Western Redcedar 2009 Total Volume by Diameter**  
(8.480 mmbf)

**Tongass NF - Thorne Bay RD: Western Redcedar 2010 Total Volume by Diameter**  
(11.112 mmbf)

**Tongass NF - Thorne Bay RD: Western Redcedar 2011 Total Volume by Diameter**  
(10.981 mmbf)

**Tongass NF - Thorne Bay RD: Western Redcedar 2012 Total Volume by Diameter**  
(13.196 mmbf)
**SE Alaska: Western Redcedar CROP offering/removal ‘08 – ‘12**
(by agency)

gT = green tons (solid wood up to 7” dbh & all high defect)
S = small log mmbf (>7”-12” dbh)
L = large log mmbf (>12” dbh)
def = high defect

---

<table>
<thead>
<tr>
<th>Western Redcedar</th>
<th>Tongass NF: Wrangell RD</th>
<th>5-yr = 1.075 mmbf</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>gT = 1,647</strong></td>
<td><strong>Unlevel supply from year to year</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• &lt;4” = &lt;1% (.002 mmbf)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• &gt;4”-7” = 1% (.008 mmbf)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• &gt;7”-9” def = &lt;1% (.002 mmbf)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• &gt;9”-12” def = &lt;1% (.004 mmbf)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• &gt;12” def = 29% (.313 mmbf)</td>
<td></td>
</tr>
<tr>
<td><strong>S = .015</strong></td>
<td><strong>High defect</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• &gt;7”-9” = &lt;1% (.005 mmbf)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• &gt;9”-12” = 1% (.010 mmbf)</td>
<td></td>
</tr>
<tr>
<td><strong>L = .730</strong></td>
<td><strong>High defect</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• &gt;12” = 68% (.730 mmbf)</td>
<td></td>
</tr>
</tbody>
</table>

---
### SE Alaska: Western Redcedar CROP offering/removal ‘08 – ‘12
(by agency)

*ROM # WRC 1.10*

**State of Alaska: Other State Lands**

**Western Redcedar 2008 Total Volume**
by Diameter (2.882 mmbf)

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Volume (mmbf)</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;4&quot;</td>
<td>0.188</td>
</tr>
<tr>
<td>&gt;4&quot;&lt;7&quot;</td>
<td>0.011</td>
</tr>
<tr>
<td>&gt;7&quot;&lt;9&quot;</td>
<td>0.075</td>
</tr>
<tr>
<td>&gt;9&quot;&lt;12&quot;</td>
<td>0.174</td>
</tr>
<tr>
<td>&gt;12&quot;</td>
<td>0.842</td>
</tr>
</tbody>
</table>

**State of Alaska: Other State Lands**

**Western Redcedar 2009 Total Volume**
by Diameter (3.250 mmbf)

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Volume (mmbf)</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;4&quot;</td>
<td>0.12</td>
</tr>
<tr>
<td>&gt;4&quot;&lt;7&quot;</td>
<td>0.029</td>
</tr>
<tr>
<td>&gt;7&quot;&lt;9&quot;</td>
<td>0.12</td>
</tr>
<tr>
<td>&gt;9&quot;&lt;12&quot;</td>
<td>0.31</td>
</tr>
<tr>
<td>&gt;12&quot;</td>
<td>1.02</td>
</tr>
</tbody>
</table>

**State of Alaska: Other State Lands**

**Western Redcedar 2010 Total Volume**
by Diameter (2.846 mmbf)

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Volume (mmbf)</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;4&quot;</td>
<td>0.182</td>
</tr>
<tr>
<td>&gt;4&quot;&lt;7&quot;</td>
<td>0.074</td>
</tr>
<tr>
<td>&gt;7&quot;&lt;9&quot;</td>
<td>0.087</td>
</tr>
<tr>
<td>&gt;9&quot;&lt;12&quot;</td>
<td>0.174</td>
</tr>
<tr>
<td>&gt;12&quot;</td>
<td>0.842</td>
</tr>
</tbody>
</table>

**State of Alaska: Other State Lands**

**Western Redcedar 2011 Total Volume**
by Diameter (2.663 mmbf)

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Volume (mmbf)</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;4&quot;</td>
<td>0.174</td>
</tr>
<tr>
<td>&gt;4&quot;&lt;7&quot;</td>
<td>0.029</td>
</tr>
<tr>
<td>&gt;7&quot;&lt;9&quot;</td>
<td>0.12</td>
</tr>
<tr>
<td>&gt;9&quot;&lt;12&quot;</td>
<td>0.31</td>
</tr>
<tr>
<td>&gt;12&quot;</td>
<td>1.02</td>
</tr>
</tbody>
</table>

**State of Alaska: Other State Lands**

**Western Redcedar 2012 Total Volume**
by Diameter (2.754 mmbf)

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Volume (mmbf)</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;4&quot;</td>
<td>0.18</td>
</tr>
<tr>
<td>&gt;4&quot;&lt;7&quot;</td>
<td>0.074</td>
</tr>
<tr>
<td>&gt;7&quot;&lt;9&quot;</td>
<td>0.12</td>
</tr>
<tr>
<td>&gt;9&quot;&lt;12&quot;</td>
<td>0.31</td>
</tr>
<tr>
<td>&gt;12&quot;</td>
<td>1.02</td>
</tr>
</tbody>
</table>

**K**

**Western Redcedar 5-yr = 14,395 mmbf**

- Unlevel supply from year to year
  - gT = 0
    - <4" = 0% (0 mmbf)
    - >4"<7" = 0% (0 mmbf)
    - >7"<9" def = 0% (0 mmbf)
    - >9"<12" def = 0% (0 mmbf)
    - >12" def = 0% (0 mmbf)

- S = 5.491
  - >7"<9" = 7% (.940 mmbf)
  - >9"<12" = 32% (4.551 mmbf)

- L = 8.904
  - >12" = 62% (8.904 mmbf)

**gT** = green tons (solid wood up to 7" dbh & all high defect)
**S** = small log mmbf (>7"<12" dbh)
**L** = large log mmbf (>12" dbh)
**def** = high defect
SE Alaska: Western Redcedar CROP offering/removal ‘08 – ‘12
(by agency)

ROM # WRC 1.11

Western Redcedar
Alaska Mental
Health Trust

5-yr = 6.536 mmbf

- Unlevel supply from year to year

\[ gT = 5.649 \]
- \(<4”\) = 0\% (0 mmbf)
- \(>4”-7”\) = 0\% (0 mmbf)
- \(>7”-9”\ def = <1\% (.009 mmbf)
- \(>9”-12”\ def = <1\% (.012 mmbf)
- \(>12”\ def = 17\% (1.108 mmbf)

\[ S = .357 \]
- \(>7”-9”\) = 1\% (.049 mmbf)
- \(>9”-12”\) = 5\% (.308 mmbf)
- \(>12”\) = 77\% (5.049 mmbf)

\[ L = 5.049 \]

\[ gT = \text{green tons (solid wood up to 7” dbh & all high defect)} \]
\[ S = \text{small log mmbf (>7”-12” dbh)} \]
\[ L = \text{large log mmbf (>12” dbh)} \]
\[ \text{def = high defect} \]
## SE Alaska: Western Redcedar CROP offering/removal ‘08 – ‘12
(by agency)

### Sealaska Corporation: Prince of Wales

**Western Redcedar CROP offering/removal 2009\(^{\ast}\)**

- **gT** = green tons (solid wood up to 7” dbh & all high defect)
- **S** = small log mmbf (>7”-12” dbh)
- **L** = large log mmbf (>12” dbh)
- **def** = high defect

### 5-yr = 1.589 mmbf

- Offered only in 2009

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Percentage</th>
<th>mmbf</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;4”</td>
<td>2%</td>
<td>0.030 mmbf</td>
</tr>
<tr>
<td>&gt;4”-7”</td>
<td>5%</td>
<td>0.073 mmbf</td>
</tr>
<tr>
<td>&lt;4” def</td>
<td>&lt;1%</td>
<td>0.002 mmbf</td>
</tr>
<tr>
<td>&gt;4”-7” def</td>
<td>&lt;1%</td>
<td>0.004 mmbf</td>
</tr>
<tr>
<td>&gt;7”-9” def</td>
<td>1%</td>
<td>0.011 mmbf</td>
</tr>
<tr>
<td>&gt;9”-12” def</td>
<td>1%</td>
<td>0.013 mmbf</td>
</tr>
<tr>
<td>&gt;12” def</td>
<td>3%</td>
<td>0.050 mmbf</td>
</tr>
</tbody>
</table>

- **gT = 910**
- **S = .448**
- **L = .959**

### Sealska Corporation: Prince of Wales

#### Western Redcedar 2009 Total Volume

![Bar chart showing total volume by diameter](chart.png)

- **Total Volume = 1.589 mmbf**
- **<4”** = 0.030 mmbf
- **4”-7”** = 0.073 mmbf
- **<4” def** = 0.002 mmbf
- **4”-7” def** = 0.004 mmbf
- **>7”-9” def** = 0.011 mmbf
- **>9”-12” def** = 0.013 mmbf
- **>12” def** = 0.050 mmbf

*S = small log mmbf (>7”-12” dbh)
L = large log mmbf (>12” dbh)
def = high defect*
**SE Alaska: Sitka Spruce CROP offering/removal ‘08 – ‘12**

\( gT = 264,953 \) / \( S = 12.703 \) mmbf / \( L = 135.735 \) mmbf

\( 201,429 \) total mmbf

- **gT** = green tons (solid wood up to 7” dbh & all high defect)
- **S** = small log mmbf (>7”-12” dbh)
- **L** = large log mmbf (>12” dbh)
- **def** = high defect

**Tongass NF: 8 RDs – 65%**

\( gT = 190,582 \) / \( S = 2.073 \) / \( L = 90.012 \)

**State of Alaska Lands: 10%**

\( gT = 23,755 \) / \( S = 4.775 \) / \( L = 10.857 \)

**Alaska Mental Health Trust: 12%**

\( gT = 15,930 \) / \( S = 1.288 \) / \( L = 15.773 \)

(*data given only for 2009)

**Sealaska Corp: 14%***

\( gT = 34,686 \) / \( S = 4.567 \) / \( L = 15.773 \)

**All Agencies: Sitka Spruce**

(5-yr total = 201,429 mmbf)

52,990 mmbf is <7” = 264,953 gT of biomass
12,703 mmbf is >7”-12” = small logs
135,735 mmbf is >12” = large logs

**Biomass Small Log Large Log**

<table>
<thead>
<tr>
<th>Year</th>
<th>gT</th>
<th>mmbf</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008</td>
<td>27625.0</td>
<td>1.09475</td>
</tr>
<tr>
<td>2009</td>
<td>78970.28132</td>
<td>6.13467</td>
</tr>
<tr>
<td>2010</td>
<td>56532.82804</td>
<td>1.832824814</td>
</tr>
<tr>
<td>2011</td>
<td>49347.11722</td>
<td>1.800480847</td>
</tr>
<tr>
<td>2012</td>
<td>52477.67073</td>
<td>1.84009843</td>
</tr>
<tr>
<td>Totals</td>
<td>264,953.0</td>
<td>12.70283989</td>
</tr>
</tbody>
</table>

| % | 26% | 6% | 67% |

**mmbf** 52,99059222

**Totals** 201,429015
**SE Alaska: Sitka Spruce CROP offering/removal ‘08 – ‘12**

(gT = 264,953 / S = 12.703 mmbf / L = 135.735 mmbf)

(201.429 total mmbf)

\[ gT = \text{green tons (solid wood up to 7” dbh & all high defect)} \]
\[ S = \text{small log mmbf (>7”-12” dbh)} \]
\[ L = \text{large log mmbf (>12” dbh)} \]
\[ \text{def} = \text{high defect} \]

### Tongass NF:

**A** Craig RD* (gT = 3.148 / S = .348 / L = 3.455)

**B** Hoonah RD (gT = 13,399 / S = .681 / L = 9.678)

**C** Juneau RD (gT = 375 / S = .005 / L = .168)

**D** Ketchikan RD (gT = 41,948 / S = .257 / L = 18.971)

**E** Petersburg RD (gT = 4,271 / S = .001 / L = 1.887)

**F** Sitka RD (gT = 155 / S = .0009 / L = .065)

**G** Thorne Bay RD (gT = 85,613 / S = .586 / L = 37.154)

**H** Wrangell RD (gT = 41,669 / S = .193 / L = 18.635)

**I** Yukatat RD

### State of Alaska Lands:

**J** Haines State Forest (gT = 6,640 / S = .586 / L = 1.334)

**K** Other State Lands (gT = 17,115 / S = 4.189 / L = 9.523)

### Alaska Mental Health Trust:

**L** Trust Lands (gT = 15,930 / S = 1.288 / L = 19.094)

### Sealaska Corporation:

**M** Prince of Wales (gT = 34,686 / S = 4.567 / L = 15.773)

*italics/bold = species offering in CROP*
Sitka Spruce: Diameter by Year

(<4” & >4”-7” diameters do not distinguish between solid & high-defect wood)

SE Alaska - Sitka Spruce:
<4” Diameter by Year (2.311 mmbf)

SE Alaska - Sitka Spruce:
>4”-7” Diameter by Year (4.633 mmbf)

SE Alaska - Sitka Spruce:
High-Defect >7”-9” Diameter by Year (.485 mmbf)

SE Alaska - Sitka Spruce:
Solid >7”-9” Diameter by Year (2.701 mmbf)

SE Alaska - Sitka Spruce:
High-Defect >9”-12” Diameter by Year (2.061 mmbf)

SE Alaska - Sitka Spruce:
Solid >9”-12” Diameter by Year (135.735 mmbf)

SE Alaska - Sitka Spruce:
High-Defect >12” Diameter by Year (43.500 mmbf)

SE Alaska - Sitka Spruce:
Solid >12” Diameter by Year (10.002 mmbf)
### SE Alaska: Sitka Spruce CROP offering/removal ‘08 – ‘12 (by agency)

ROM # SS 1.3

<table>
<thead>
<tr>
<th><strong>Sitka Spruce</strong></th>
<th><strong>5-yr = 4.432 mmbf</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tongass NF:</strong></td>
<td><strong>Craig RD</strong></td>
</tr>
<tr>
<td>gT = 3,148</td>
<td></td>
</tr>
<tr>
<td>&gt;4” = 1%</td>
<td>(.028 mmbf)</td>
</tr>
<tr>
<td>&gt;7”-9” def = &lt;1%</td>
<td>(.003 mmbf)</td>
</tr>
<tr>
<td>&gt;9”-12” def = &lt;1%</td>
<td>(.012 mmbf)</td>
</tr>
<tr>
<td>&gt;12” def = 11%</td>
<td>(.476 mmbf)</td>
</tr>
<tr>
<td>S = .348</td>
<td></td>
</tr>
<tr>
<td>&gt;7”-9” = 2%</td>
<td>(.082 mmbf)</td>
</tr>
<tr>
<td>&gt;9”-12” = 6%</td>
<td>(.267 mmbf)</td>
</tr>
<tr>
<td>L = 3.455</td>
<td></td>
</tr>
<tr>
<td>&gt;12” = 78%</td>
<td>(3.455 mmbf)</td>
</tr>
</tbody>
</table>

- Unlevel supply from year to year
- gT = green tons (solid wood up to 7” dbh & all high defect)
- S = small log mmbf (>7”-12” dbh)
- L = large log mmbf (>12” dbh)
- def = high defect

---

### Tongass NF - Craig RD: Sitka Spruce 2008 Total Volume by Diameter (0.225 mmbf)

![Graph showing 2008 total volume by diameter for Sitka Spruce in Tongass NF - Craig RD.]

- <4" = 0.0034 mmbf
- >4"-7" = 0.010 mmbf
- >7"-9" def = 0.0001 mmbf
- >9"-12" def = 0.0007 mmbf
- >12" def = 0.003 mmbf
- >7"-9" = 0.110 mmbf
- >9"-12" = 0.496 mmbf
- >12" = 0.123 mmbf

- <4" = 0.065 mmbf
- >4"-7" = 0.001 mmbf
- >7"-9" def = 0.028 mmbf
- >9"-12" def = 0.071 mmbf
- >12" def = 0.110 mmbf
- >7"-9" = 0.267 mmbf
- >9"-12" = 0.476 mmbf
- >12" = 0.123 mmbf

### Tongass NF - Craig RD: Sitka Spruce 2009 Total Volume by Diameter (1.901 mmbf)

![Graph showing 2009 total volume by diameter for Sitka Spruce in Tongass NF - Craig RD.]

- <4" = 0.009 mmbf
- >4"-7" = 0.031 mmbf
- >7"-9" def = 0.001 mmbf
- >9"-12" def = 0.005 mmbf
- >12" def = 0.019 mmbf
- >7"-9" = 0.14 mmbf
- >9"-12" = 0.299 mmbf
- >12" = 0.352 mmbf

### Tongass NF - Craig RD: Sitka Spruce '10, '11, '12 Annual Volume by Diameter (.769 mmbf/yr)

![Graph showing annual volume by diameter for Sitka Spruce in Tongass NF - Craig RD.]

- <4" = 0.005 mmbf
- >4"-7" = 0.025 mmbf
- >7"-9" def = 0.0006 mmbf
- >9"-12" def = 0.0195 mmbf
- >12" def = 0.0199 mmbf
- >7"-9" = 0.064 mmbf
- >9"-12" = 0.504 mmbf
- >12" = 0.631 mmbf

---

November 2008

SE Alaska CROP.45
**Sitka Spruce**

**Tongass NF: Hoonah RD**

- **5-yr = 13.038 mmbf**
  - Unlevel supply from year to year
  - <4” = <1% (.057 mmbf)
  - >4"-7" = 2% (.251 mmbf)
  - >7"-9" def = <1% (.011 mmbf)
  - >9"-12" def = <1% (.038 mmbf)
  - >12" def = 18% (.2324 mmbf)

- **gT = 13,399**
  - >7"-9" = 1% (.159 mmbf)
  - >9"-12" = 4% (.521 mmbf)

- **S = .681**
  - >7"-9" = 1% (.159 mmbf)
  - >9"-12" = 4% (.521 mmbf)

- **L = 9.678**
  - >12" = 74% (9.678 mmbf)
### Tongass NF - Juneau RD: Sitka Spruce

#### '08, '10, '12 Annual Volume by Diameter

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;4&quot;</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>&gt;4&quot;-7&quot;</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>&gt;7&quot;-9&quot;</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>&gt;9&quot;-12&quot;</td>
<td>1%</td>
</tr>
<tr>
<td>&gt;12&quot; def</td>
<td>29%</td>
</tr>
<tr>
<td>&gt;7&quot;-9&quot;</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>&gt;9&quot;-12&quot;</td>
<td>2%</td>
</tr>
<tr>
<td>&gt;12&quot;</td>
<td>68%</td>
</tr>
</tbody>
</table>

#### Definitions
- **gT**: green tons (solid wood up to 7” dbh & all high defect)
- **S**: small log mmbf (>7"-12" dbh)
- **L**: large log mmbf (>12" dbh)
- **def**: high defect

#### Notes
- No offering for '09 & '11; level supply for years offered
- 5-yr = .248 mmbf

#### Volume Breakdown

- **gT = 375**: 0.024 mmbf
- **S = .005**: 0.0007 mmbf
- **L = .168**: 0.002 mmbf

---

**Sitka Spruce** CROP offering/removal ‘08 – ‘12 (by agency)

**ROM # SS 1.5**
**Sitka Spruce**

**Tongass NF:** Ketchikan RD

**5-yr = 27.618 mmbf**

- Unlevel supply from year to year
- $g_T = 41,948$
  - $<4" = <1% (0.015 mmbf)$
  - $>4"-7" = <1% (0.134 mmbf)$
  - $>7"-9" def = <1% (0.029 mmbf)$
  - $>9"-12" def = <1% (0.082 mmbf)$
  - $>12" def = 29% (8.390 mmbf)$
- $S = .257$
  - $>7"-9" = <1% (0.067 mmbf)$
  - $>9"-12" = 1% (0.191 mmbf)$
- $L = 18.971$
  - $>12" = 69% (18.971 mmbf)$

---

**Tongass NF - Ketchikan RD: Sitka Spruce**

**2010 Total Volume by Diameter**

- $9.596 mmbf$
  - $<4" = 0.0032$
  - $>4"-7" = 0.0466$
  - $>7"-9" = 0.0099$
  - $>9"-12" def = 0.0284$
  - $>12" def = 0.0232$
  - $>12" = 0.0061$

---

**Tongass NF - Ketchikan RD: Sitka Spruce**

**2009 Total Volume by Diameter**

- $5.573 mmbf$
  - $<4" = 0.0030$
  - $>4"-7" = 0.0286$
  - $>7"-9" = 0.0061$
  - $>9"-12" = 0.0174$
  - $>12" def = 0.0142$
  - $>12" = 0.0046$

---

**Tongass NF - Ketchikan RD: Sitka Spruce**

**2008 Total Volume by Diameter**

- $6.563 mmbf$
  - $<4" = 0.0030$
  - $>4"-7" = 0.0271$
  - $>7"-9" = 0.0068$
  - $>9"-12" = 0.0194$
  - $>12" def = 0.0159$
  - $>12" = 0.0043$

---

**Tongass NF - Ketchikan RD: Sitka Spruce**

**2012 Total Volume by Diameter**

- $0.0027 mmbf$
  - $<4" = 0.0000$
  - $>4"-7" = 0.0000$
  - $>7"-9" = 0.0000$
  - $>9"-12" = 0.0000$
  - $>12" def = 0.0000$
  - $>12" = 0.0000$

---

$g_T$ = green tons (solid wood up to 7" dbh & all high defect)

$S$ = small log mmbf (>7"-12" dbh)

$L$ = large log mmbf (>12" dbh)

def = high defect

---

**November 2008  SE Alaska CROP.48**
**SE Alaska: Sitka Spruce CROP offering/removal ‘08 – ‘12**
(by agency)

\[ gT = \text{green tons (solid wood up to 7” dbh & all high defect)} \]
\[ S = \text{small log mmbf (>7”-12” dbh)} \]
\[ L = \text{large log mmbf (>12” dbh)} \]
\[ \text{def} = \text{high defect} \]

### Tongass NF - Petersburg RD: Sitka Spruce 2008 Total Volume by Diameter

- \(<4”\) = 1% (.021 mmbf)
- \(>4”-7”\) = 1% (.024 mmbf)
- \(>7”-9”\) def = <1% (.00008 mmbf)
- \(>9”-12”\) def = <1% (.0004 mmbf)
- \(>12”\) def = 29% (.809 mmbf)

\[ S = .001 \]
\[ L = 1.887 \]

### Tongass NF - Petersburg RD: Sitka Spruce 2009 Total Volume by Diameter

- \(<4”\) = 1% (.001 mmbf)
- \(>4”-7”\) = 1% (.0000 mmbf)
- \(>7”-9”\) def = <1% (.0000 mmbf)
- \(>9”-12”\) def = <1% (.0000 mmbf)
- \(>12”\) def = 69% (1.887 mmbf)

### Tongass NF - Petersburg RD: Sitka Spruce ’10, ’11, ’12 Annual Volume by Diameter

- \(<4”\) = 1% (.0000 mmbf)
- \(>4”-7”\) = 1% (.0000 mmbf)
- \(>7”-9”\) def = <1% (.0000 mmbf)
- \(>9”-12”\) def = <1% (.0000 mmbf)
- \(>12”\) def = 69% (1.887 mmbf/yr)
**SE Alaska: Sitka Spruce CROP offering/removal '08 – '12**
(by agency)

**ROM # SS 1.8**

<table>
<thead>
<tr>
<th><strong>Sitka Spruce</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Tongass NF: Sitka RD</td>
</tr>
<tr>
<td><strong>5-yr = .097 mmbf</strong></td>
</tr>
</tbody>
</table>

- Unlevel supply from year to year
- \(<4\" = 1\% (.0008 mmbf)
- \(>4\"-7\" = 2\% (.002 mmbf)
- \(>7\"-9\" \text{ def} = <1\% (.00008 mmbf)
- \(>9\"-12\" \text{ def} = <1\% (.0003 mmbf)
- \(>12\" \text{ def} = 29\% (.028 mmbf)

\[gT = 155\]

\[S = .0009\]

\[L = .065\]

**gT** = green tons (solid wood up to 7\" dbh & all high defect)

**S** = small log mmbf (>7\"-12\" dbh)

**L** = large log mmbf (>12\" dbh)

**def** = high defect
**SE Alaska: Sitka Spruce CROP offering/removal ‘08 – ‘12 (by agency)**

**G**

### Sitka Spruce

#### Tongass NF: Thorne Bay RD

- **5-yr = 54,863 mmbf**

<table>
<thead>
<tr>
<th>Diameter</th>
<th>gT</th>
<th>S</th>
<th>L</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;4&quot;</td>
<td>85,613</td>
<td>.586</td>
<td>37.154</td>
</tr>
<tr>
<td>&gt;4&quot;-7&quot;</td>
<td>3%</td>
<td>1%</td>
<td>27%</td>
</tr>
<tr>
<td>&gt;7&quot;-9&quot; def</td>
<td>.023 mmbf</td>
<td>.119 mmbf</td>
<td>.023 mmbf</td>
</tr>
<tr>
<td>&gt;9&quot;-12&quot; def</td>
<td>.111 mmbf</td>
<td>.467 mmbf</td>
<td>.023 mmbf</td>
</tr>
<tr>
<td>&gt;12&quot; def &gt;7&quot;-9&quot; def &gt;9&quot;-12&quot; def &gt;12&quot; def</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Unlevel supply from year to year**

- gT = green tons (solid wood up to 7" dbh & all high defect)
- S = small log mmbf (>7"-12" dbh)
- L = large log mmbf (>12" dbh)
- def = high defect

---

**Tongass NF - Thorne Bay RD: Sitka Spruce**

2010 Total Volume by Diameter (13,746 mmbf)

2011 Total Volume by Diameter (13,592 mmbf)

2012 Total Volume by Diameter (16,2 mmbf)

---

November 2008  
SE Alaska CROP.51
**SE Alaska: Sitka Spruce CROP offering/removal '08 – '12**  
(by agency)

| gT = green tons (solid wood up to 7” dbh & all high defect) |
| S = small log mmbf (>7”-12” dbh) |
| L = large log mmbf (>12” dbh) |
| def = high defect |

### 5-yr = 27.163 mmbf

- Unlevel supply from year to year
- <4” = <1% (.108 mmbf)
- >4”-7” = 1% (.157 mmbf)
- >7”-9” def = <1% (.014 mmbf)
- >9”-12” def = <1% (.069 mmbf)
- >12” def = 29% (7.986 mmbf)
- >7”-9” = <1% (.033 mmbf)
- >9”-12” = 1% (.016 mmbf)
- >12” = 69% (18.635 mmbf)

**Sitka Spruce**  
**Tongass NF: Wrangell RD**  
**2008 Total Volume by Diameter**  
(6.558 mmbf)

**2009 Total Volume by Diameter**  
(6.590 mmbf)

**2010 Total Volume by Diameter**  
(4.458 mmbf)

**2011 & '12 Annual Volume by Diameter**  
(4.777 mmbf/yr)
### SE Alaska: Sitka Spruce CROP offering/removal ‘08 – ‘12
(by agency)

**ROM # SS 1.11**

<table>
<thead>
<tr>
<th>Sitka Spruce</th>
<th>5-yr = 3.248 mmbf</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>State of Alaska:</strong> Haines State Forest</td>
<td></td>
</tr>
<tr>
<td><strong>gT = 6,640</strong></td>
<td></td>
</tr>
<tr>
<td>- &lt;4” = 1% (.020 mmbf)</td>
<td></td>
</tr>
<tr>
<td>- &gt;4”-7” = 5% (.170 mmbf)</td>
<td></td>
</tr>
<tr>
<td>- &gt;7”-9” def = 1% (.033 mmbf)</td>
<td></td>
</tr>
<tr>
<td>- &gt;9”-12” def = 10% (.315 mmbf)</td>
<td></td>
</tr>
<tr>
<td>- &gt;12” def = 24% (.790 mmbf)</td>
<td></td>
</tr>
<tr>
<td><strong>S = .586</strong></td>
<td></td>
</tr>
<tr>
<td>- &gt;7”-9” = 2% (.055 mmbf)</td>
<td></td>
</tr>
<tr>
<td>- &gt;9”-12” = 16% (.531 mmbf)</td>
<td></td>
</tr>
<tr>
<td><strong>L = 1.334</strong></td>
<td></td>
</tr>
<tr>
<td>- &gt;12” = 41% (1.334 mmbf)</td>
<td></td>
</tr>
</tbody>
</table>

**gT** = green tons (solid wood up to 7” dbh & all high defect)

**S** = small log mmbf (>7”-12” dbh)

**L** = large log mmbf (>12” dbh)

**def** = high defect

---

**State of Alaska - Haines State Forest:**

**Sitka Spruce 2008 Total Volume**
by Diameter (.582 mmbf)

---

**State of Alaska - Haines State Forest:**

**Sitka Spruce 2009 Total Volume**
by Diameter (.616 mmbf)

---

**State of Alaska - Haines State Forest:**

**Sitka Spruce 2010 Total Volume**
by Diameter (.650 mmbf)

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**State of Alaska - Haines State Forest:**

**Sitka Spruce 2011 Total Volume**
by Diameter (.684 mmbf)

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**State of Alaska - Haines State Forest:**

**Sitka Spruce 2012 Total Volume**
by Diameter (.718 mmbf)
**SE Alaska: Sitka Spruce CROP offering/removal ‘08 – ‘12 (by agency)**

<table>
<thead>
<tr>
<th>State of Alaska: Other State Lands</th>
<th>5-yr = 17,135 mmbf</th>
</tr>
</thead>
<tbody>
<tr>
<td>K</td>
<td>Unlevel supply from year to year</td>
</tr>
<tr>
<td>gT = 17,115</td>
<td>&lt;4&quot; = 0% (0 mmbf)</td>
</tr>
<tr>
<td></td>
<td>&gt;4&quot;.-7&quot; = 0% (0 mmbf)</td>
</tr>
<tr>
<td></td>
<td>&gt;7&quot;.-9&quot; def = 1% (.098 mmbf)</td>
</tr>
<tr>
<td></td>
<td>&gt;9&quot;.-12&quot; def = 6% (.947 mmbf)</td>
</tr>
<tr>
<td></td>
<td>&gt;12&quot; def = 14% (2.378 mmbf)</td>
</tr>
<tr>
<td>S = 4.189</td>
<td>&gt;7&quot;.-9&quot; = 2% (.394 mmbf)</td>
</tr>
<tr>
<td></td>
<td>&gt;9&quot;.-12&quot; = 22% (3.795 mmbf)</td>
</tr>
<tr>
<td>L = 9.523</td>
<td>&gt;12&quot; = 56% (9.523 mmbf)</td>
</tr>
</tbody>
</table>

**State of Alaska - Other State Lands: Sitka Spruce 2008 Total Volume by Diameter (3.432 mmbf)**

**State of Alaska - Other State Lands: Sitka Spruce 2009 Total Volume by Diameter (3.869 mmbf)**

**State of Alaska - Other State Lands: Sitka Spruce 2010 Total Volume by Diameter (3.387 mmbf)**

**State of Alaska - Other State Lands: Sitka Spruce 2011 Total Volume by Diameter (3.169 mmbf)**

**State of Alaska - Other State Lands: Sitka Spruce 2012 Total Volume by Diameter (3.278 mmbf)**
Sitka Spruce
Alaska Mental Health Trust

5-yr = 23.567 mmbf

- Unlevel supply from year to year
- <4” = 0% (0 mmbf)
- >4”-.7” = 0% (0 mmbf)
- >7”-.9” def = <1% (.033 mmbf)
- >9”-.12” def = <1% (.044 mmbf)
- >12” def = 13% (3.108 mmbf)

S = 1.288
- >7”-.9” = 1% (.178 mmbf)
- >9”-.12” = 5% (1.110 mmbf)

L = 19.094
- >12” = 81% (19.094 mmbf)
### SE Alaska: Sitka Spruce CROP offering/removal ‘08 – ‘12
(by agency)

<table>
<thead>
<tr>
<th>Sitka Spruce CROP</th>
<th>5-yr = 27,277 mmbf</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>gT</strong> = green tons (solid wood up to 7” dbh &amp; all high defect)</td>
<td></td>
</tr>
<tr>
<td><strong>S</strong> = small log mmbf (&gt;7”-12” dbh)</td>
<td></td>
</tr>
<tr>
<td><strong>L</strong> = large log mmbf (&gt;12” dbh)</td>
<td></td>
</tr>
<tr>
<td><strong>def</strong> = high defect</td>
<td></td>
</tr>
</tbody>
</table>

- **Offered only in 2009**
- **<4”** = 2% (0.466 mmbf)
- **>4”-7”** = 11% (2.925 mmbf)
- **<4” def** = <1% (0.070 mmbf)
- **>4”-7” def** = 2% (0.437 mmbf)
- **>7”-9” def** = 1% (0.241 mmbf)
- **>9”-12” def** = 2% (0.441 mmbf)
- **>12” def** = 9% (2.357 mmbf)

- **S** = 4.567
  - **>7”-9”** = 6% (1.614 mmbf)
  - **>9”-12”** = 11% (2.953 mmbf)

- **L** = 15.773
  - **>12”** = 58% (15.773 mmbf)

---

**Sealaska Corporation: Prince of Wales**

**Sitka Spruce 2009 Total Volume by Diameter (27,277 mmbf)**

---

**November 2008**

SE Alaska CROP.56
**SE Alaska: Alaska Yellow Cedar CROP offering/removal ’08 – ‘12**

(gT = 141,307 / S = 4.837 mmbf / L = 57.774 mmbf)
(90.872 total mmbf)

```
gT = green tons (solid wood up to 7” dbh & all high defect)
S = small log mmbf (>7”-12” dbh)
L = large log mmbf (>12” dbh)
def = high defect
```

- **Tongass NF: 8 RDs – 95%**
  (gT = 138,028 / S = 3.83 / L = 55.324)

- **State of Alaska Lands: 2%**
  (gT = 0 / S = .631 / L = 1.023)

- **Alaska Mental Health Trust: 2%**
  (gT = 1,946 / S = .093 / L = 1.215)

- **Sealaska Corp: 1%**
  (*data given only for 2009*)
  (gT = 1,331 / S = .284 / L = .211)

- **Total Agencies: Alaska Yellow Cedar**
  (5-yr total = 90,872 mmbf)

  - 28.261 mmbf is <7" = 141,307 gT of biomass
  - 4.837 mmbf is >7"-12" = small logs
  - 57.774 mmbf is >12" = large logs

<table>
<thead>
<tr>
<th>Year</th>
<th>gT</th>
<th>Small Log</th>
<th>Large Log</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008</td>
<td>11407.96408</td>
<td>0.49003169</td>
<td>4.794538393</td>
</tr>
<tr>
<td>2009</td>
<td>32872.27834</td>
<td>1.314789867</td>
<td>13.12183579</td>
</tr>
<tr>
<td>2010</td>
<td>35279.48168</td>
<td>1.122399117</td>
<td>14.43750518</td>
</tr>
<tr>
<td>2011</td>
<td>31848.43847</td>
<td>0.996511035</td>
<td>13.15157991</td>
</tr>
<tr>
<td>2012</td>
<td>29899.09457</td>
<td>0.913504333</td>
<td>12.2681658</td>
</tr>
<tr>
<td>Totals</td>
<td>141,307.3</td>
<td>4.837236042</td>
<td>57.77362506</td>
</tr>
</tbody>
</table>

- **%**
  - <7" = 31%
  - 7"-9" = 5%
  - >9"-12" = 64%

- **Total mmbf**: 28,261,451.43

- **Total gT**: 90,872,312.54
**SE Alaska: Alaska Yellow Cedar CROP offering/removal ‘08 – ‘12**

\[
gT = 141,307 \quad S = 4.837 \quad L = 57.774 \quad (90.872 \ \text{total mmbf})
\]

\[gT = \text{green tons (solid wood up to 7" dbh & all high defect)}\]
\[S = \text{small log mmbf (>7"-12" dbh)}\]
\[L = \text{large log mmbf (>12" dbh)}\]
\[\text{def} = \text{high defect}\]

**Tongass NF:**

A  **Craig RD**  
\[gT = 2,390 / S = .079 / L = .845\]

B  **Hoonah RD**  
\[gT = 1,284 / S = .06 / L = .329\]

C  **Juneau RD**  
\[gT = 100 / S = .002 / L = .019\]

D  **Ketchikan RD**  
\[gT = 24,239 / S = .839 / L = 9.548\]

E  **Petersburg RD**  
\[gT = 44,730 / S = 1.325 / L = 18.766\]

F  **Sitka RD**  
\[gT = 139 / S = .002 / L = .019\]

G  **Thorne Bay RD**  
\[gT = 46,777 / S = .979 / L = 18.093\]

H  **Wrangell RD**  
\[gT = 18,367 / S = .544 / L = 7.706\]

I  **Yukatat RD**

**State of Alaska Lands:**

J  **Haines State Forest**

K  **Other State Lands**  
\[gT = 0 / S = .631 / L = 1.023\]

**Alaska Mental Health Trust:**

L  **Trust Lands**  
\[gT = 1,946 / S = .093 / L = 1.215\]

**Sealaska Corporation:**

M  **Prince of Wales**  
\[gT = 1,331 / S = .284 / L = .211\]

\*italics/bold = species offering in CROP\*
**Alaska Yellow Cedar**: Diameter by Year

(<4” & >4”-7” diameters do not distinguish between solid & high-defect wood)

**SE Alaska - Alaska Yellow Cedar:**

- **<4” Diameter by Year (.690 mmbf)**
- **>4”-7” Diameter by Year (1.794 mmbf)**
- **High-Defect >7”-9” Diameter by Year (.291 mmbf)**
- **High-Defect >9”-12” Diameter by Year (1.371 mmbf)**

**SE Alaska - Alaska Yellow Cedar:**

- **Solid >7”-9” Diameter by Year (.956 mmbf)**
- **Solid >9”-12” Diameter by Year (3.881 mmbf)**
- **Solid >12” Diameter by Year (57.774 mmbf)**

**ROM # AYC 1.2**
**SE Alaska: Alaska Yellow Cedar CROP offering/removal ‘08 – ‘12**
(by agency)

ROM # AYC 1.3

- gT = green tons (solid wood up to 7” dbh & all high defect)
- S = small log mmbf (>7”-12” dbh)
- L = large log mmbf (>12” dbh)
- def = high defect

<table>
<thead>
<tr>
<th>Alaska Yellow Cedar</th>
<th>5-yr = 1.401 mmbf</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tongass NF:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Craig RD:</strong></td>
<td></td>
</tr>
<tr>
<td>gT = 2,390</td>
<td></td>
</tr>
<tr>
<td>S = .079</td>
<td></td>
</tr>
<tr>
<td>L = .845</td>
<td></td>
</tr>
</tbody>
</table>

- Unlevel supply from year to year
  - <4” = <1% (.0009 mmbf)
  - >4”-7” = 6% (.081 mmbf)
  - >7”-9” def = 1% (.009 mmbf)
  - >9”-12” def = 2% (.025 mmbf)
  - >12” def = 26% (.362 mmbf)
  - >7”-9” = 1% (.020 mmbf)
  - >9”-12” = 4% (.059 mmbf)
  - >12” = 60% (.845 mmbf)
**SE Alaska: Alaska Yellow Cedar CROP offering/removal ‘08 – ‘12**
(by agency)

**ROM # AYC 1.4**

**B**

**Alaska Yellow Cedar**

**Tongass NF: Hoonah RD**

**5-yr = .646 mmbf**

- No offering for ‘08; unlevel supply for years offered

<table>
<thead>
<tr>
<th>Diameter</th>
<th>gT</th>
<th>S</th>
<th>L</th>
<th>def</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;4”</td>
<td>3%</td>
<td>.020 mmbf</td>
<td></td>
<td></td>
</tr>
<tr>
<td>&gt;4”-7”</td>
<td>11%</td>
<td>.070 mmbf</td>
<td></td>
<td></td>
</tr>
<tr>
<td>&gt;7”-9”</td>
<td>1%</td>
<td>.004 mmbf</td>
<td></td>
<td></td>
</tr>
<tr>
<td>&gt;9”-12”</td>
<td>3%</td>
<td>.022 mmbf</td>
<td></td>
<td></td>
</tr>
<tr>
<td>&gt;12”</td>
<td>22%</td>
<td>.141 mmbf</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- gT = green tons (solid wood up to 7” dbh & all high defect)
- S = small log mmbf (>7”-12” dbh)
- L = large log mmbf (>12” dbh)
- def = high defect
Tongass NF - Juneau RD: Alaska Yellow Cedar
'08, '10, '12 Annual Volume by Diameter
(.0135 mmbf/yr)

- gT = green tons (solid wood up to 7” dbh & all high defect)
- S = small log mmbf (>7”-12” dbh)
- L = large log mmbf (>12” dbh)
- def = high defect

- No offering for '09 & '11; level supply in years offered

<table>
<thead>
<tr>
<th>Diameter</th>
<th>gT</th>
<th>S</th>
<th>L</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;4&quot;</td>
<td>1%</td>
<td>.0004 mmbf</td>
<td></td>
</tr>
<tr>
<td>&gt;7”-9&quot;</td>
<td>&lt;1%</td>
<td>.00007 mmbf</td>
<td></td>
</tr>
<tr>
<td>&gt;9”-12”</td>
<td>2%</td>
<td>.0006 mmbf</td>
<td></td>
</tr>
<tr>
<td>&gt;12”</td>
<td>47%</td>
<td>.019 mmbf</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Diameter</th>
<th>S</th>
<th>L</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;7”-9”</td>
<td>&lt;1%</td>
<td>.0002 mmbf</td>
</tr>
<tr>
<td>&gt;9”-12”</td>
<td>4%</td>
<td>.001 mmbf</td>
</tr>
<tr>
<td>&gt;12”</td>
<td>47%</td>
<td>.019 mmbf</td>
</tr>
</tbody>
</table>

SE Alaska: *Alaska Yellow Cedar* CROP offering/removal ‘08 – ‘12
(by agency)

ROM # AYC 1.5
### SE Alaska: Alaska Yellow Cedar CROP offering/removal ‘08 – ‘12
(by agency)

ROM # AYC 1.6

---

**D**

**Alaska Yellow Cedar**

<table>
<thead>
<tr>
<th>Tongass NF: Ketchikan RD</th>
<th>5-yr = 15,234 mmbf</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• Unlevel supply from year to year</td>
</tr>
<tr>
<td></td>
<td>• &lt;4” = &lt;1% (.605 mmbf)</td>
</tr>
<tr>
<td></td>
<td>• &gt;4”-7” = 3% (.392 mmbf)</td>
</tr>
<tr>
<td></td>
<td>• &gt;7”-9” def = 1% (.110 mmbf)</td>
</tr>
<tr>
<td></td>
<td>• &gt;9”-12” def = 2% (.249 mmbf)</td>
</tr>
<tr>
<td></td>
<td>• &gt;12” def = 27% (4.092 mmbf)</td>
</tr>
<tr>
<td>gT = 24,239</td>
<td></td>
</tr>
<tr>
<td>S = .839</td>
<td>&gt;7”-9” = 2% (.257 mmbf)</td>
</tr>
<tr>
<td></td>
<td>&gt;9”-12” = 4% (.582 mmbf)</td>
</tr>
<tr>
<td></td>
<td>&gt;12” = 63% (9.548 mmbf)</td>
</tr>
<tr>
<td>L = 9.548</td>
<td></td>
</tr>
</tbody>
</table>

---

**Tongass NF - Ketchikan RD: Alaska Yellow Cedar**

- **2008 Total Volume by Diameter**
  - (3.6207 mmbf)

- **2009 Total Volume by Diameter**
  - (3.0749 mmbf)

- **2010 Total Volume by Diameter**
  - (5.2943 mmbf)

- **2011 Total Volume by Diameter**
  - (3.2449 mmbf)

- **2012 Total Volume by Diameter**
  - (.00008 mmbf)

---

**gT** = green tons (solid wood up to 7” dbh & all high defect)

**S** = small log mmbf (>7”-12” dbh)

**L** = large log mmbf (>12” dbh)

**def** = high defect
SE Alaska: Alaska Yellow Cedar CROP offering/removal ‘08 – ‘12
(by agency)

- Unlevel supply from year to year
  - <4” = 1% (.077 mmbf)
  - >4”-7” = 1% (.259 mmbf)
  - >7”-9” def = <1% (.072 mmbf)
  - >9”-12” def = 2% (.495 mmbf)
  - >12” def = 28% (8.042 mmbf)

- gT = green tons (solid wood up to 7” dbh & all high defect)
- S = small log mmbf (>7”-12” dbh)
- L = large log mmbf (>12” dbh)
- def = high defect

Tongass NF - Petersburg RD: Alaska Yellow Cedar
2008 Total Volume by Diameter (.0722 mmbf)

Tongass NF - Petersburg RD: Alaska Yellow Cedar
2009 Total Volume by Diameter (7.1006 mmbf)

Tongass NF - Petersburg RD: Alaska Yellow Cedar
‘10, ‘11, ‘12 Annual Volume by Diameter (7.2883 mmbf/yr)

Alaska Yellow Cedar Tongass NF: Petersburg RD
S-yr = 29,038 mmbf

- gT = 44,730
- S = 1.325
- L = 18,766

- Unlevel supply from year to year
  - >7”-9” = 1% (.169 mmbf)
  - >9”-12” = 4% (1.156 mmbf)
  - >12” = 65% (18.766 mmbf)
**SE Alaska: Alaska Yellow Cedar CROP offering/removal ‘08 – ‘12**
(by agency)

| gT = green tons (solid wood up to 7” dbh & all high defect) |
| S = small log mmbf (>7”-12” dbh) |
| L = large log mmbf (>12” dbh) |
| def = high defect |

<table>
<thead>
<tr>
<th>F</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Alaska Yellow Cedar</strong></td>
<td><strong>Tongass NF:</strong></td>
</tr>
<tr>
<td><strong>Sitka RD</strong></td>
<td><strong>5-yr = .0497 mmbf</strong></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>• No offering for ’09 &amp; ’11; level supply for years offered</td>
<td></td>
</tr>
<tr>
<td>gT = 139</td>
<td></td>
</tr>
<tr>
<td>• &lt;4” = 5% (.0025 mmbf)</td>
<td></td>
</tr>
<tr>
<td>• &gt;4”-7” = 32% (.0159 mmbf)</td>
<td></td>
</tr>
<tr>
<td>• &gt;7”-9” def = 1% (.0003 mmbf)</td>
<td></td>
</tr>
<tr>
<td>• &gt;9”-12” def = 2% (.0008 mmbf)</td>
<td></td>
</tr>
<tr>
<td>• &gt;12” def = 17% (.008 mmbf)</td>
<td></td>
</tr>
<tr>
<td>S = .0025</td>
<td></td>
</tr>
<tr>
<td>• &gt;7”-9” = 1% (.0007 mmbf)</td>
<td></td>
</tr>
<tr>
<td>• &gt;9”-12” = 4% (.0018 mmbf)</td>
<td></td>
</tr>
<tr>
<td>L = .0194</td>
<td></td>
</tr>
<tr>
<td>• &gt;12” = 39% (.0194 mmbf)</td>
<td></td>
</tr>
</tbody>
</table>

**Tongass NF - Sitka RD: Alaska Yellow Cedar**
'08, '10, '12 Annual Volume by Diameter
(.0165 mmbf/yr)

- <4” : 0.0008
- >4”-7” : 0.0021
- >7”-9” def : 0.0028
- >9”-12” def : 0.0003
- >12” def : 0.0065
- >12” : 0.0016
- >12” : 0.0028
### SE Alaska: Alaska Yellow Cedar CROP offering/removal ‘08 – ‘12
(by agency)

**ROM # AYC 1.9**

- **gT** = green tons (solid wood up to 7” dbh & all high defect)
- **S** = small log mmbf (>7”-12” dbh)
- **L** = large log mmbf (>12” dbh)
- **def** = high defect

#### 5-yr = 28.427 mmbf

- Unlevel supply from year to year
  - <4” = 2% (.538 mmbf)
  - >4”-7” = 2% (.644 mmbf)
  - >7”-9” def = <1% (.053 mmbf)
  - >9”-12” def = 1% (.366 mmbf)
  - >12” def = 27% (7.754 mmbf)

- S = .979
  - >7”-9” = <1% (.124 mmbf)
  - >9”-12” = 3% (.855 mmbf)
  - >12” = 64% (18.093 mmbf)

#### Tongass NF - Thorne Bay RD: Alaska Yellow Cedar

**2008 Total Volume by Diameter**

<table>
<thead>
<tr>
<th>Diameter</th>
<th>mmbf</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;4”</td>
<td>0.0064</td>
</tr>
<tr>
<td>&gt;4”-7” def</td>
<td>0.0051</td>
</tr>
<tr>
<td>&gt;7”-9” def</td>
<td>0.0007</td>
</tr>
<tr>
<td>&gt;9”-12” def</td>
<td>0.0045</td>
</tr>
<tr>
<td>&gt;12” def</td>
<td>0.0018</td>
</tr>
<tr>
<td>&gt;12”</td>
<td>0.0067</td>
</tr>
</tbody>
</table>

**2009 Total Volume by Diameter**

<table>
<thead>
<tr>
<th>Diameter</th>
<th>mmbf</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;4”</td>
<td>0.1023</td>
</tr>
<tr>
<td>&gt;4”-7” def</td>
<td>0.0158</td>
</tr>
<tr>
<td>&gt;7”-9” def</td>
<td>0.0012</td>
</tr>
<tr>
<td>&gt;9”-12” def</td>
<td>0.0043</td>
</tr>
<tr>
<td>&gt;12” def</td>
<td>0.0153</td>
</tr>
<tr>
<td>&gt;12”</td>
<td>0.2244</td>
</tr>
</tbody>
</table>

**2010 Total Volume by Diameter**

<table>
<thead>
<tr>
<th>Diameter</th>
<th>mmbf</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;4”</td>
<td>0.1348</td>
</tr>
<tr>
<td>&gt;4”-7” def</td>
<td>0.1611</td>
</tr>
<tr>
<td>&gt;7”-9” def</td>
<td>0.0134</td>
</tr>
<tr>
<td>&gt;9”-12” def</td>
<td>0.0918</td>
</tr>
<tr>
<td>&gt;12” def</td>
<td>0.1920</td>
</tr>
<tr>
<td>&gt;12”</td>
<td>0.9431</td>
</tr>
</tbody>
</table>

**2011 Total Volume by Diameter**

<table>
<thead>
<tr>
<th>Diameter</th>
<th>mmbf</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;4”</td>
<td>0.1334</td>
</tr>
<tr>
<td>&gt;4”-7” def</td>
<td>0.1600</td>
</tr>
<tr>
<td>&gt;7”-9” def</td>
<td>0.0132</td>
</tr>
<tr>
<td>&gt;9”-12” def</td>
<td>0.0907</td>
</tr>
<tr>
<td>&gt;12” def</td>
<td>0.1920</td>
</tr>
<tr>
<td>&gt;12”</td>
<td>0.9203</td>
</tr>
</tbody>
</table>

**2012 Total Volume by Diameter**

<table>
<thead>
<tr>
<th>Diameter</th>
<th>mmbf</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;4”</td>
<td>0.1578</td>
</tr>
<tr>
<td>&gt;4”-7” def</td>
<td>0.1797</td>
</tr>
<tr>
<td>&gt;7”-9” def</td>
<td>0.0159</td>
</tr>
<tr>
<td>&gt;9”-12” def</td>
<td>0.0909</td>
</tr>
<tr>
<td>&gt;12” def</td>
<td>0.1090</td>
</tr>
<tr>
<td>&gt;12”</td>
<td>2.3080</td>
</tr>
</tbody>
</table>

### November 2008

**SE Alaska CROP.66**

**MATER LTD.**
H

Alaska Yellow Cedar
Tongass NF:
Wrangell RD

5-yr = 11,923 mmbf

- Unlevel supply from year to year

- <4” = <1% (.032 mmbf)
- >4”-7” = 1% (.106 mmbf)
- >7”-9” def = <1% (.030 mmbf)
- >9”-12” def = 2% (.203 mmbf)
- >12” def = 28% (3.302 mmbf)

- >7”-9” = 1% (.069 mmbf)
- >9”-12” = 4% (.475 mmbf)
- >12” = 65% (7.706 mmbf)

gT = 18,367
S = .544
L = 7.706

gT = green tons (solid wood up to 7” dbh & all high defect)
S = small log mmbf (>7”-12” dbh)
L = large log mmbf (>12” dbh)
def = high defect
### SE Alaska: Alaska Yellow Cedar CROP offering/removal ‘08 – ‘12
(by agency)

<table>
<thead>
<tr>
<th>Alaska Yellow Cedar</th>
<th>State of Alaska: Other State Lands</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-yr = 1.654 mmbf</td>
<td></td>
</tr>
</tbody>
</table>

- Unlevel supply from year to year
- \( gT = 0 \)
  - \(<4" = 0\% (0 \text{ mmbf})\)
  - \( >4" - 7" = 0\% (0 \text{ mmbf})\)
  - \( >7" - 9" \text{ def} = 0\% (0 \text{ mmbf})\)
  - \( >9" - 12" \text{ def} = 0\% (0 \text{ mmbf})\)
  - \( >12" \text{ def} = 0\% (0 \text{ mmbf})\)

- \( S = .631 \)
  - \( >7" - 9" = 7\% (.108 \text{ mmbf})\)
  - \( >9" - 12" = 32\% (.523 \text{ mmbf})\)

- \( L = 1.023 \)
  - \( >12" = 62\% (1.023 \text{ mmbf})\)

\( gT \) = green tons (solid wood up to 7” dbh & all high defect)

\( S \) = small log mmbf (>7"-12" dbh)

\( L \) = large log mmbf (>12” dbh)

\( \text{def} \) = high defect
Alaska Yellow Cedar
Alaska Mental Health Trust

5-yr = 1.697 mmbf

- Fairly level supply from year to year

\[ gT = 1.946 \]

\[ S = .093 \]

\[ L = 1.215 \]

- <4” = 0% (0 mmbf)
- >4"-7" = 0% (0 mmbf)
- >7"-9” def = <1% (.002 mmbf)
- >9"-12” def = <1% (.003 mmbf)
- >12” def = 23% (.384 mmbf)

- >7"-9” = 1% (.013 mmbf)
- >9"-12” = 5% (.080 mmbf)
- >12” = 72% (1.215 mmbf)

\[ gT = \text{green tons (solid wood up to 7” dbh & all high defect)} \]
\[ S = \text{small log mmbf (>7"-12” dbh)} \]
\[ L = \text{large log mmbf (>12” dbh)} \]
\[ \text{def = high defect} \]
**SE Alaska: Alaska Yellow Cedar CROP offering/removal ‘08 – ‘12**
(by agency)

**ROM # AYC 1.13**

<table>
<thead>
<tr>
<th><strong>Alaska Yellow Cedar</strong></th>
<th><strong>Sealaska Corporation: Prince of Wales</strong></th>
<th><strong>5-yr = .761 mmbf</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><em>Offered only in 2009</em></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• &lt;4” = 2% (.014 mmbf)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• &gt;4”-7” = 28% (.214 mmbf)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• &lt;4” def = &lt;1% (.001 mmbf)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• &gt;4”-7” def = 1% (.011 mmbf)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• &gt;7”-9” def = 1% (.010 mmbf)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• &gt;9”-12” def = 1% (.005 mmbf)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• &gt;12” def = 1% (.011 mmbf)</td>
<td></td>
</tr>
<tr>
<td><strong>gT = 1,331</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>S = .284</strong></td>
<td>• &gt;7”-9” = 24% (.185 mmbf)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• &gt;9”-12” = 13% (.098 mmbf)</td>
<td></td>
</tr>
<tr>
<td><strong>L = .211</strong></td>
<td>• &gt;12” = 28% (.211 mmbf)</td>
<td></td>
</tr>
</tbody>
</table>

**gT =** green tons (solid wood up to 7” dbh & all high defect)

**S =** small log mmbf (>7”-12” dbh)

**L =** large log mmbf (>12” dbh)

**def =** high defect

---

**Sealaska Corporation: Prince of Wales**
Alaska Yellow Cedar 2009 Total Volume
by Diameter (.761 mmbf)

---

**M**

---

November 2008
SE Alaska CROP.70
SE Alaska: Shore Pine CROP offering/removal ‘08 – ‘12
(gT = 101,611 / S = .518 mmbf / L = 45.441 mmbf)
(66.281 total mmbf)

SE Alaska: Shore Pine CROP offering/removal ‘08 – ‘12
(gT = 101,611 / S = .518 mmbf / L = 45.441 mmbf)
(66.281 total mmbf)

Tongass NF: 8 RDs – 100%
(gT = 101,611 / S = .518 / L = 45.441)

Tongass NF

All Agencies: Shore Pine
(5-yr total = 66.28 mmbf)
20.322 mmbf is <7" = 101,610 gT of biomass
.518 mmbf is >7"-12" = small logs
45.441 mmbf is >12" = large logs

<table>
<thead>
<tr>
<th></th>
<th>gT</th>
<th>mmbf</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008</td>
<td>113.7450942</td>
<td>0.00814179</td>
</tr>
<tr>
<td>2009</td>
<td>24911.32979</td>
<td>0.125910713</td>
</tr>
<tr>
<td>2010</td>
<td>25584.53511</td>
<td>0.132382271</td>
</tr>
<tr>
<td>2011</td>
<td>25533.52596</td>
<td>0.128312094</td>
</tr>
<tr>
<td>2012</td>
<td>25467.79234</td>
<td>0.123115824</td>
</tr>
<tr>
<td>Totals</td>
<td>101,610.9</td>
<td>0.517862693</td>
</tr>
<tr>
<td>%</td>
<td>31%</td>
<td>1%</td>
</tr>
<tr>
<td>mmbf</td>
<td>66.28088216</td>
<td>69%</td>
</tr>
</tbody>
</table>

2008 2009 2010 2011 2012

<4" <7"-9" <9"-12" >12" def >9"-12" def >7"-9" def >4"-7" >12"

gT = green tons (solid wood up to 7” dbh & all high defect)
S = small log mmbf (>7"-12" dbh)
L = large log mmbf (>12" dbh)
def = high defect

November 2008  SE Alaska CROP.71

MATER LTD.
**SE Alaska: Shore Pine CROP offering/removal ‘08 – ‘12**

\( g_T = 101,611 \quad S = .518 \text{ mmbf} \quad L = 45.441 \text{ mmbf} \)

\( 66.281 \text{ total mmbf} \)

\[ g_T = \text{green tons (solid wood up to 7” dbh & all high defect)} \]

\[ S = \text{small log mmbf (>7”-12” dbh)} \]

\[ L = \text{large log mmbf (>12” dbh)} \]

\[ \text{def} = \text{high defect} \]

**Tongass NF:**

A **Craig RD**  \( (g_T = 50 / S = .002 / L = .012) \)

B **Hoonah RD**  \( (g_T = 5 / S = .001 / L = .002) \)

C **Juneau RD**  \( (g_T < 1 / S = .0001 / L = .0002) \)

D **Ketchikan RD**  \( (g_T = 370 / S = .029 / L = .002) \)

E **Petersburg RD**  \( (g_T = 100,936 / S = .470 / L = 45.271) \)

F **Sitka RD**  \( (g_T = < 1 / S = .0001 / L = .00002) \)

G **Thorne Bay RD**  \( (g_T = 187 / S = .012 / L = .041) \)

H **Wrangell RD**  \( (g_T = 59 / S = .003 / L = .024) \)

I **Yukatat RD**

**State of Alaska Lands:**

J **Haines State Forest**

K **Other State Lands**

**Alaska Mental Health Trust:**

L **Trust Lands**

**Sealaska Corporation:**

M **Prince of Wales**

*italics/bold = species offering in CROP*
Shore Pine: Diameter by Year

(<4” & >4”-7” diameters do not distinguish between solid & high-defect wood)

SE Alaska - Shore Pine: <4” Diameter by Year (.227 mmbf)

SE Alaska - Shore Pine: >4”-7” Diameter by Year (.400 mmbf)

SE Alaska - Shore Pine: High-Defect >7”-9” Diameter by Year (.036 mmbf)

SE Alaska - Shore Pine: Solid >7”-9” Diameter by Year (.085 mmbf)

SE Alaska - Shore Pine: High-Defect >9”-12” Diameter by Year (.185 mmbf)

SE Alaska - Shore Pine: Solid >9”-12” Diameter by Year (.432 mmbf)

SE Alaska - Shore Pine: Solid >12” Diameter by Year (45.440 mmbf)
**SE Alaska: Shore Pine CROP offering/removal ‘08 – ‘12**
(by agency)

ROM # ShP 1.3

<table>
<thead>
<tr>
<th>Shore Pine</th>
<th>Tongass NF: Craig RD</th>
<th>5-yr = .0242 mmbf</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>5-yr = .0242 mmbf</td>
</tr>
</tbody>
</table>

- Unlevel supply from year to year
- \(<4\) = <1% (.00002 mmbf)
- \(>4\)-\(7\) = 17% (.0042 mmbf)
- \(>7\)-\(9\) def = <1% (.00001 mmbf)
- \(>9\)-\(12\) def = 3% (.0007 mmbf)
- \(>12\) def = 21% (.0051 mmbf)

\(gT = 0.020\)

<table>
<thead>
<tr>
<th>Shore Pine</th>
<th>Tongass NF: Craig RD</th>
<th>2009 Total Volume by Diameter (.0200 mmbf)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

\(S = 0.002\)

<table>
<thead>
<tr>
<th>Shore Pine</th>
<th>Tongass NF: Craig RD</th>
<th>2010, 11, 12 Annual Volume by Diameter (.0001 mmbf/yr)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

\(L = 0.012\)

- \(>7\)-\(9\) = 2% (.0004 mmbf)
- \(>9\)-\(12\) = 7% (.0017 mmbf)
- \(>12\) = 49% (.0120 mmbf)

\(gT = \) green tons (solid wood up to 7” dbh & all high defect)
\(S = \) small log mmbf (>7”-12” dbh)
\(L = \) large log mmbf (>12” dbh)
\(\text{def} = \) high defect
B

Shore pine

Tongass NF:  Hoonah RD

5-yr = 0.0044 mmbf

- Unlevel supply from year to year
  - <4” = 0% (0 mmbf)
  - >4”-7” = 0% (0 mmbf)
  - >7”-9” def = <1% (.00002 mmbf)
  - >9”-12” def = 6% (.0002 mmbf)
  - >12” def = 20% (.0009 mmbf)

S = .0013

- >7”-9” = 16% (.0007 mmbf)
- >9”-12” = 13% (.0006 mmbf)
- >12” = 46% (.0020 mmbf)

L = .002

- >4”-7” = 0% (0 mmbf)
- >7”-9” def = 0% (0 mmbf)
- >9”-12” def = <1% (.00002 mmbf)
- >9”-12” def = 6% (.0002 mmbf)
- >12” def = 20% (.0009 mmbf)
**SE Alaska: Shore Pine CROP offering/removal ‘08 – ‘12**
(by agency)

<table>
<thead>
<tr>
<th>Shore pine</th>
<th>Tongass NF: Juneau RD</th>
<th>5-yr = .0005 mmbf</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- No offering for ‘09 & ‘11; level supply for years offered

- gT = < 1
  - <4” = 0% (0 mmbf)
  - >4”-7” = 0% (0 mmbf)
  - >7”-9” def = 0% (0 mmbf)
  - >9”-12” def = 10% (.00005 mmbf)
  - >12” def = 20% (.00009 mmbf)

- S = .0001
  - >7”-9” = 0% (0 mmbf)
  - >9”-12” = 23% (.0001 mmbf)

- L = .0002
  - >12” = 47% (.0002 mmbf)

---

Tongass NF - Juneau RD: Shore Pine
‘08, ‘10, ‘12 Annual Volume by Diameter (.00016 mmbf/yr)

\[ gT = \text{green tons (solid wood up to 7” dbh & all high defect)} \]
\[ S = \text{small log mmbf (>7”-12” dbh)} \]
\[ L = \text{large log mmbf (>12” dbh)} \]
\[ \text{def} = \text{high defect} \]
Shore Pine

Tongass NF: Ketchikan RD

5-yr = .193 mmbf

- No offering for '12; unlevel supply for years offered

\( gT = 370 \)

- \(<4"\) = 0% (0 mmbf)
  - \(>4"-7"\) = 12% (.023 mmbf)
  - \(>7"-9" \) def = 1% (.002 mmbf)
  - \(>9"-12" \) def = 6% (.011 mmbf)
  - \(>12" \) def = 20% (.038 mmbf)

\( S = .029 \)

- \(>7"-9"\) = 2% (.004 mmbf)
  - \(>9"-12"\) = 13% (.025 mmbf)

\( L = .090 \)

- \(>12"\) = 47% (.090 mmbf)
Shore Pine
Tongass NF:
Petersburg RD
5-yr = 65.929 mmbf

- Unlevel supply from year to year
- gT = 100,936
  - <4” = <1% (.212 mmbf)
  - >4”-7” = 1% (.373 mmbf)
  - >7”-9” def = <1% (.034 mmbf)
  - >9”-12” def = <1% (.167 mmbf)
  - >12” def = 29% (19.401 mmbf)
- S = .470
  - >7”-9” = <1% (.080 mmbf)
  - >9”-12” = 1% (.390 mmbf)
- L = 45.271
  - >12” = 69% (45.271 mmbf)

\[ gT = \text{green tons (solid wood up to 7” dbh & all high defect)} \\ S = \text{small log mmbf (>7”-12” dbh)} \\ L = \text{large log mmbf (>12” dbh)} \\ \text{def} = \text{high defect} \]
**SE Alaska: Shore Pine CROP offering/removal ‘08 – ‘12**
(by agency)

**gT** = green tons (solid wood up to 7” dbh & all high defect)

**S** = small log mmbf (>7”-12” dbh)

**L** = large log mmbf (>12” dbh)

**def** = high defect

---

**Shore Pine**
Tongass NF: Sitka RD

*No offering for ’09 & ’11; level supply for years offered*

<table>
<thead>
<tr>
<th>Diameter</th>
<th>5-yr = .00004 mmbf</th>
</tr>
</thead>
<tbody>
<tr>
<td>gT = &lt;1</td>
<td></td>
</tr>
<tr>
<td>&lt;4”</td>
<td>0% (0 mmbf)</td>
</tr>
<tr>
<td>&gt;4”-7”</td>
<td>0% (0 mmbf)</td>
</tr>
<tr>
<td>&gt;7”-9” def</td>
<td>0% (0 mmbf)</td>
</tr>
<tr>
<td>&gt;9”-12” def</td>
<td>12% (.000005 mmbf)</td>
</tr>
<tr>
<td>&gt;12” def</td>
<td>18% (.000007 mmbf)</td>
</tr>
</tbody>
</table>

| S = .00001 |                   |
| >7”-9” | 0% (0 mmbf)       |
| >9”-12” | 28% (.000001 mmbf) |

| L = .00002 |                   |
| >12” | 39% (.000002 mmbf) |

---

Tongass NF - Sitka RD: Shore Pine
’08, ’10, ’12 Annual Volume by Diameter
(.000013 mmbf/yr)

---

November 2008

SE Alaska CROP.79

MATER LTD.
### SE Alaska: Shore Pine CROP offering/removal ‘08 – ‘12 (by agency)

**ROM # ShP 1.9**

<table>
<thead>
<tr>
<th>Shore Pine</th>
<th>5-yr = .091 mmbf</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tongass NF: Thorne Bay RD</td>
<td></td>
</tr>
</tbody>
</table>

- Unlevel supply from year to year
- \(<4\"\) = 16% (.014 mmbf)
- \(>4\"-7\"") = 0% (0 mmbf)
- \(>7\"-9\"") def = <1% (.00001 mmbf)
- \(>9\"-12\"") def = 6% (.005 mmbf)
- \(>12\"\) def = 19% (.018 mmbf)

\(gT = 187\)

- \(>7\"-9\"") def = <1% (.0003 mmbf)
- \(>9\"-12\"") = 13% (.012 mmbf)

\(S = 0.12\)

- \(>12\"\) def = 45% (.041 mmbf)

\(L = 0.041\)

- \(>12\"\) = 45% (.041 mmbf)

\(\text{green tons (solid wood up to 7" dbh & all high defect)}\)

\(S = \text{small log mmbf (>7"-12" dbh)}\)

\(L = \text{large log mmbf (>12" dbh)}\)

\(\text{def = high defect}\)
**SE Alaska: Shore Pine CROP offering/removal ‘08 – ‘12**
(by agency)

ROM # ShP 1.10

- gT = green tons (solid wood up to 7” dbh & all high defect)
- S = small log mmbf (>7”-12” dbh)
- L = large log mmbf (>12” dbh)
- def = high defect

**Shore Pine**

**Tongass NF: Wrangell RD**

- 5-yr = .039 mmbf
- Unlevel supply from year to year
  - <4” = 1% (.0005 mmbf)
  - >4”-7” = 0% (0 mmbf)
  - >7”-9” def = 0% (0 mmbf)
  - >9”-12” def = 3% (.001 mmbf)
  - >12” def = 26% (.010 mmbf)

- S = .003
  - >7”-9” = 0% (0 mmbf)
  - >9”-12” = 8% (.003 mmbf)

- L = .024
  - >12” = 62% (.024 mmbf)
**SE Alaska: Mountain Hemlock CROP offering/removal ‘08 – ‘12**

\( gT = 43,438 \) / \( S = 1.103 \) mmbf / \( L = 14.786 \) mmbf

(24.577 total mmbf)

- **gT** = green tons (solid wood up to 7” dbh & all high defect)
- **S** = small log mmbf (>7”-12” dbh)
- **L** = large log mmbf (>12” dbh)
- **def** = high defect

**Tongass NF: 8 RDs – 100%**

\( gT = 43,438 \) / \( S = 1.103 \) / \( L = 14.786 \)

**All Agencies: Mountain Hemlock**

(5-yr total = 24.577 mmbf)

- 8.688 mmbf is <7” = 43,438 gT of biomass
- 1.103 mmbf is >7”-12” = small logs
- 14.786 mmbf is >12” = large logs

### Mountain Hemlock

<table>
<thead>
<tr>
<th></th>
<th>gT</th>
<th>mmbf</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biomass</td>
<td>5313.732581</td>
<td>0.159189825</td>
</tr>
<tr>
<td>2008</td>
<td>7658.431812</td>
<td>0.210409632</td>
</tr>
<tr>
<td>2009</td>
<td>10823.58568</td>
<td>0.292007346</td>
</tr>
<tr>
<td>2010</td>
<td>12004.81411</td>
<td>0.234842262</td>
</tr>
<tr>
<td>2011</td>
<td>7637.947012</td>
<td>0.206264419</td>
</tr>
<tr>
<td>2012</td>
<td>12004.81411</td>
<td>0.234842262</td>
</tr>
<tr>
<td>Totals</td>
<td>43,438.5</td>
<td>1.102713481</td>
</tr>
</tbody>
</table>

- % | 35% | 4% | 60% |

mmbf 8.687702239

### Total

24.57681487
**SE Alaska: Mountain Hemlock CROP offering/removal ‘08 – ‘12**

(gT = 43,438 / S = 1.103 mmbf / L = 14.786 mmbf)
(24.577 total mmbf)

<table>
<thead>
<tr>
<th>Letter</th>
<th>Location</th>
<th>gT</th>
<th>S</th>
<th>L</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Craig RD*</td>
<td>578</td>
<td>.019</td>
<td>.173</td>
</tr>
<tr>
<td>B</td>
<td>Hoonah RD</td>
<td>8,939</td>
<td>.153</td>
<td>3.350</td>
</tr>
<tr>
<td>C</td>
<td>Juneau RD</td>
<td>172</td>
<td>.004</td>
<td>.071</td>
</tr>
<tr>
<td>D</td>
<td>Ketchikan RD</td>
<td>10,542</td>
<td>.412</td>
<td>3.488</td>
</tr>
<tr>
<td>E</td>
<td>Petersburg RD</td>
<td>157</td>
<td>.016</td>
<td>.055</td>
</tr>
<tr>
<td>F</td>
<td>Sitka RD</td>
<td>76</td>
<td>.001</td>
<td>.027</td>
</tr>
<tr>
<td>G</td>
<td>Thorne Bay RD</td>
<td>15,241</td>
<td>.323</td>
<td>4.590</td>
</tr>
<tr>
<td>H</td>
<td>Wrangell RD</td>
<td>7,732</td>
<td>.175</td>
<td>3.032</td>
</tr>
<tr>
<td>I</td>
<td>Yukatat RD</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **gT** = green tons (solid wood up to 7” dbh & all high defect)
- **S** = small log mmbf (>7”-12” dbh)
- **L** = large log mmbf (>12” dbh)
- **def** = high defect

**Tongass NF:**

- A Craig RD* (gT = 578 / S = .019 / L = .173)
- B Hoonah RD (gT = 8,939 / S = .153 / L = 3.350)
- C Juneau RD (gT = 172 / S = .004 / L = .071)
- D Ketchikan RD (gT = 10,542 / S = .412 / L = 3.488)
- E Petersburg RD (gT = 157 / S = .016 / L = .055)
- F Sitka RD (gT = 76 / S = .001 / L = .027)
- G Thorne Bay RD (gT = 15,241 / S = .323 / L = 4.590)
- H Wrangell RD (gT = 7,732 / S = .175 / L = 3.032)

**State of Alaska Lands:**

- J Haines State Forest
- K Other State Lands

**Alaska Mental Health Trust:**

- L Trust Lands

**Sealaska Corporation:**

- M Prince of Wales

*italics/bold = species offering in CROP*
Mountain Hemlock: Diameter by Year

(<4" & >4"-7" diameters do not distinguish between solid & high-defect wood)

SE Alaska - Mountain Hemlock: <4" Diameter by Year (.617 mmbf)

SE Alaska - Mountain Hemlock: >4"-7" Diameter by Year (1.262 mmbf)

SE Alaska - Mountain Hemlock: High-Defect > 12" Diameter by Year (6.337 mmbf)

SE Alaska - Mountain Hemlock: Solid >7"-9" Diameter by Year (.239 mmbf)

SE Alaska - Mountain Hemlock: Solid >9"-12" Diameter by Year (1.864 mmbf)

SE Alaska - Mountain Hemlock: High-Defect > 7"-9" Diameter by Year (.102 mmbf)

SE Alaska - Mountain Hemlock: Solid >7"-9" Diameter by Year (.370 mmbf)

SE Alaska - Mountain Hemlock: Solid >12" Diameter by Year (14.786 mmbf)

SE Alaska - Mountain Hemlock: Solid >9"-12" Diameter by Year (.864 mmbf)

SE Alaska - Mountain Hemlock: High-Defect > 9"-12" Diameter by Year (1.794 mmbf)
SE Alaska: Mountain Hemlock CROP offering/removal ’08 – ’12
(by agency)

ROM # MH 1.3

gT = green tons (solid wood up to 7” dbh & all high defect)
S = small log mmbf (>7”-12” dbh)
L = large log mmbf (>12” dbh)
def = high defect

Tongass NF - Craig RD: Mountain Hemlock
2008 Total Volume by Diameter
(0.050 mmbf)

Tongass NF - Craig RD: Mountain Hemlock
2009 Total Volume by Diameter
(0.257 mmbf)

Tongass NF - Craig RD: Mountain Hemlock
’10, ’11, ’12 Annual Volume by Diameter
(0.00085 mmbf/yr)

Mtn. Hemlock
Tongass NF:
Craig RD
5-yr = .308 mmbf

- Unlevel supply from year to year
  - <4” = 1% (.001 mmbf)
  - >4”-7” = 10% (.032 mmbf)
  - >7”-9” def = 1% (.002 mmbf)
  - >9”-12” def = 2% (.006 mmbf)
  - >12” def = 24% (.074 mmbf)

- gT = 578
  - >7”-9” = 2% (.005 mmbf)
  - >9”-12” = 4% (.014 mmbf)

- S = .019
  - >12” = 56% (.173 mmbf)

- L = .173
\[ gT = \text{green tons (solid wood up to 7" dbh & all high defect)} \]
\[ S = \text{small log mmbf (>7"-12" dbh)} \]
\[ L = \text{large log mmbf (>12" dbh)} \]
\[ \text{def} = \text{high defect} \]

**SE Alaska: Mountain Hemlock CROP offering/removal ‘08 – ‘12 (by agency)**

**B**

**Mt. Hemlock**

<table>
<thead>
<tr>
<th>Tongass NF: Hoonah RD</th>
<th>5-yr = 5.290 mmbf</th>
</tr>
</thead>
<tbody>
<tr>
<td>gT = 8,939</td>
<td></td>
</tr>
<tr>
<td>• &lt;4” = 1% (.077 mmbf)</td>
<td></td>
</tr>
<tr>
<td>• &gt;4”-7” = 4% (.209 mmbf)</td>
<td></td>
</tr>
<tr>
<td>• &gt;7”-9” def = &lt;1% (.012 mmbf)</td>
<td></td>
</tr>
<tr>
<td>• &gt;9”-12” def = 1% (.053 mmbf)</td>
<td></td>
</tr>
<tr>
<td>• &gt;12” def = 27% (1.436 mmbf)</td>
<td></td>
</tr>
<tr>
<td>S = .153</td>
<td></td>
</tr>
<tr>
<td>• &gt;7”-9” = 1% (.029 mmbf)</td>
<td></td>
</tr>
<tr>
<td>• &gt;9”-12” = 2% (.123 mmbf)</td>
<td></td>
</tr>
<tr>
<td>L = 3,350</td>
<td></td>
</tr>
<tr>
<td>• &gt;12” = 63% (3.350 mmbf)</td>
<td></td>
</tr>
</tbody>
</table>
SE Alaska: Mountain Hemlock CROP offering/removal ‘08 – ‘12
(by agency)

ROM # MH 1.5

gT = green tons (solid wood up to 7” dbh & all defect)
S = small log mmbf (>7”-12” dbh)
L = large log mmbf (>12” dbh)
def = high defect

No offering for '09 & '11; level supply for years offered

<table>
<thead>
<tr>
<th>Mtn. Hemlock</th>
<th>5-yr = .110 mmbf</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tongass NF:</td>
<td></td>
</tr>
<tr>
<td>Juneau RD</td>
<td></td>
</tr>
</tbody>
</table>

- <4” = 1% (.0007 mmbf)
- >4”-7” = 1% (.001 mmbf)
- >7”-9” def = <1% (.0001 mmbf)
- >9”-12” def = 2% (.002 mmbf)
- >12” def = 28% (.030 mmbf)

S = .004
- >7”-9” = <1% (.0003 mmbf)
- >9”-12” = 4% (.004 mmbf)

L = .071
- >12” = 65% (.071 mmbf)
**SE Alaska: Mountain Hemlock CROP offering/removal ‘08 – ‘12**
(by agency)

**ROM # MH 1.6**

<table>
<thead>
<tr>
<th>Mtn. Hemlock</th>
<th>5-yr = 6.008 mmbf</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tongass NF: Ketchikan RD</td>
<td></td>
</tr>
<tr>
<td>gT = 10,542</td>
<td></td>
</tr>
<tr>
<td>• &lt;4&quot; = &lt;1% (.003 mmbf)</td>
<td></td>
</tr>
<tr>
<td>• &gt;4&quot;-7&quot; = 7% (.434 mmbf)</td>
<td></td>
</tr>
<tr>
<td>• &gt;7&quot;-9&quot; def = 1% (.050 mmbf)</td>
<td></td>
</tr>
<tr>
<td>• &gt;9&quot;-12&quot; def = 2% (.126 mmbf)</td>
<td></td>
</tr>
<tr>
<td>• &gt;12&quot; def = 25% (1.495 mmbf)</td>
<td></td>
</tr>
<tr>
<td>S = .412</td>
<td></td>
</tr>
<tr>
<td>• &gt;7&quot;-9&quot; = 2% (.118 mmbf)</td>
<td></td>
</tr>
<tr>
<td>• &gt;9&quot;-12&quot; = 5% (.294 mmbf)</td>
<td></td>
</tr>
<tr>
<td>L = 3.488</td>
<td></td>
</tr>
<tr>
<td>• &gt;12&quot; = 58% (3.488 mmbf)</td>
<td></td>
</tr>
</tbody>
</table>

- No offering for ‘12; unlevel supply for years offered

**gT** = green tons (solid wood up to 7" dbh & all high defect)

**S** = small log mmbf (>7"-12" dbh)

**L** = large log mmbf (>12" dbh)

**def** = high defect
SE Alaska: Mountain Hemlock CROP offering/removal ‘08 – ‘12
(by agency)

ROM # MH 1.7

**Mt. Hemlock**
**Tongass NF:** Petersburg RD

<table>
<thead>
<tr>
<th>5-yr</th>
<th>.102 mmbf</th>
</tr>
</thead>
<tbody>
<tr>
<td>gT</td>
<td>157</td>
</tr>
<tr>
<td>S</td>
<td>.016</td>
</tr>
<tr>
<td>L</td>
<td>.055</td>
</tr>
</tbody>
</table>

- Unlevel supply from year to year
- <4" = 1% (.0004 mmbf)
- >4"-7" = 1% (.0006 mmbf)
- >7"-9" def = <1% (.00006 mmbf)
- >9"-12" def = 7% (.0007 mmbf)
- >12" def = 23% (.0023 mmbf)
- >7"-9" = <1% (.0001 mmbf)
- >9"-12" = 15% (.0016 mmbf)
- >12" = 54% (.0055 mmbf)

**Tongass NF - Petersburg RD: Mountain Hemlock 2008 Total Volume by Diameter**

**Tongass NF - Petersburg RD: Mountain Hemlock 2009 Total Volume by Diameter**

**Tongass NF - Petersburg RD: Mountain Hemlock '10, '11, '12 Annual Volume by Diameter**

---

**gT** = green tons (solid wood up to 7” dbh & all high defect)
**S** = small log mmbf (>7"-12" dbh)
**L** = large log mmbf (>12" dbh)
**def** = high defect
**SE Alaska: Mountain Hemlock CROP offering/removal ‘08 – ‘12 (by agency)**

**ROM # MH 1.8**

<table>
<thead>
<tr>
<th>gT</th>
<th>S</th>
<th>L</th>
</tr>
</thead>
<tbody>
<tr>
<td>76</td>
<td>.0016</td>
<td>.0266</td>
</tr>
</tbody>
</table>

**F**

<table>
<thead>
<tr>
<th>Mtn. Hemlock</th>
<th>5-yr = .0435 mmbf</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tongass NF: Sitka RD</td>
<td></td>
</tr>
</tbody>
</table>

- No offering for ’09 & ’11; level supply for years offered

- gT = green tons (solid wood up to 7” dbh & all high defect)
- S = small log mmbf (>7”-12” dbh)
- L = large log mmbf (>12” dbh)
- def = high defect

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;4”</td>
<td>&lt;1% (.0002 mmbf)</td>
</tr>
<tr>
<td>&gt;4”-7”</td>
<td>7% (.003 mmbf)</td>
</tr>
<tr>
<td>&gt;7”-9” def</td>
<td>&lt;1% (.0002 mmbf)</td>
</tr>
<tr>
<td>&gt;9”-12” def</td>
<td>1% (.0005 mmbf)</td>
</tr>
<tr>
<td>&gt;12” def</td>
<td>26% (.0114 mmbf)</td>
</tr>
<tr>
<td>&gt;7”-9”</td>
<td>1% (.0004 mmbf)</td>
</tr>
<tr>
<td>&gt;9”-12”</td>
<td>3% (.0012 mmbf)</td>
</tr>
<tr>
<td>&gt;12”</td>
<td>61% (.0266 mmbf)</td>
</tr>
</tbody>
</table>

**Tongass NF - Sitka RD: Mountain Hemlock ’08, ’10, ’12 Annual Volume by Diameter (.0145 mmbf/yr)**
SE Alaska: Mountain Hemlock CROP offering/removal ‘08 – ‘12 (by agency)

ROM # MH 1.9

SE Alaska: Mountain Hemlock

Mtn. Hemlock
Tongass NF: Thorne Bay RD

5-yr = 7.961 mmbf

- Unlevel supply from year to year
  - <4" = 6% (.469 mmbf)
  - >4"-7" = 6% (.473 mmbf)
  - >7"-9" def = <1% (.028 mmbf)
  - >9"-12" def = 1% (.110 mmbf)
  - >12" def = 25% (1.967 mmbf)

- >7"-9" = 1% (.062 mmbf)
- >9"-12" = 3% (.257 mmbf)
- >12" = 58% (4.590 mmbf)

G

Tongass NF - Thorne Bay RD: Mountain Hemlock
2008 Total Volume by Diameter
(.103 mmbf)

Tongass NF - Thorne Bay RD: Mountain Hemlock
2009 Total Volume by Diameter
(1.522 mmbf)

Tongass NF - Thorne Bay RD: Mountain Hemlock
2010 Total Volume by Diameter
(1.995 mmbf)

Tongass NF - Thorne Bay RD: Mountain Hemlock
2011 Total Volume by Diameter
(1.972 mmbf)

Tongass NF - Thorne Bay RD: Mountain Hemlock
2012 Total Volume by Diameter
(2.370 mmbf)

gT = green tons (solid wood up to 7" dbh & all high defect)
S = small log mmbf (>7"-12" dbh)
L = large log mmbf (>12" dbh)
def = high defect
SE Alaska: Mountain Hemlock CROP offering/removal ‘08 – ‘12
(by agency)

ROM # MH 1.10

\[ gT = \text{green tons (solid wood up to 7” dbh & all high defect)} \]
\[ S = \text{small log mmbf (>7”-12” dbh)} \]
\[ L = \text{large log mmbf (>12” dbh)} \]
\[ \text{def} = \text{high defect} \]

**H**

**Mt. Hemlock**

**Tongass NF: Wrangell RD**

- 5-yr = 4.753 mmbf

- Unlevel supply from year to year
  - <4” = 1% (.064 mmbf)
  - >4”-7” = 2% (.107 mmbf)
  - >7”-9” def = <1% (.009 mmbf)
  - >9”-12” def = 1% (.066 mmbf)
  - >12” def = 27% (1.299 mmbf)

- S = .175
  - >7”-9” = <1% (.020 mmbf)
  - >9”-12” = 3% (.155 mmbf)

- L = 3.032
  - >12” = 64% (3.032 mmbf)

- gT = 7,732
- S = .175
- L = 3.032

- tongass NF - Wrangell RD: Mountain Hemlock
  - 2008 Total Volume by Diameter
    - (1.148 mmbf)
  - 2009 Total Volume by Diameter
    - (1.154 mmbf)
  - 2010 Total Volume by Diameter
    - (.780 mmbf)
  - ’11 & ’12 Annual Volume by Diameter
    - (.836 mmbf/yr)
**SE Alaska: Red Alder CROP offering/removal ‘08 – ‘12**

(gT = 867 / S = .184 mmbf / L = .256 mmbf)

(.614 total mmbf)

**ROM # RA 1**

- **gT** = green tons (solid wood up to 7” dbh & all high defect)
- **S** = small log mmbf (>7"-12" dbh)
- **L** = large log mmbf (>12" dbh)
- **def** = high defect

**Tongass NF: 8 RDs – 71%**

(gT = 291 / S = .132 / L = .245)

**Sealaska Corp: 27%**

(gT = 500 / S = .052 / L = .011)

(*data given only for 2009)

**State of Alaska Lands: 2%**

(gT = 75 / S = 0 / L = 0)

---

**All Agencies: Red Alder**

(5-yr total = .614 mmbf)

- .173 mmbf is <7" = 867 gT of biomass
- .184 mmbf is >7"-12" = small logs
- .256 mmbf is >12" = large logs

---

**Table: All Agencies: Red Alder**

<table>
<thead>
<tr>
<th>Year</th>
<th>gT</th>
<th>mmbf</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Red Alder</td>
<td>Biomass</td>
<td>Small Log</td>
</tr>
<tr>
<td>2008</td>
<td>73,365,486</td>
<td>0.005934949</td>
</tr>
<tr>
<td>2009</td>
<td>577,814,192</td>
<td>0.083033202</td>
</tr>
<tr>
<td>2010</td>
<td>100,087,081</td>
<td>0.034139491</td>
</tr>
<tr>
<td>2011</td>
<td>70,960,878</td>
<td>0.030896645</td>
</tr>
<tr>
<td>2012</td>
<td>45,019,976</td>
<td>0.030436721</td>
</tr>
<tr>
<td>Totals</td>
<td>867.2</td>
<td>0.184445508</td>
</tr>
<tr>
<td>%</td>
<td>28%</td>
<td>30%</td>
</tr>
<tr>
<td>mmbf</td>
<td>0.17344946</td>
<td>0.05</td>
</tr>
</tbody>
</table>

**Tongass NF**

**Sealaska Corp:**

EV 0.173449465

EV 0.613657307
**SE Alaska: Red Alder CROP offering/removal ‘08 – ‘12**

(gT = 867 / S = .184 mmbf / L = .256 mmbf)
(.614 total mmbf)

<table>
<thead>
<tr>
<th>Species</th>
<th>gT</th>
<th>S</th>
<th>L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Craig RD*</td>
<td>14</td>
<td>.028</td>
<td>.028</td>
</tr>
<tr>
<td>Hoonah RD</td>
<td>35</td>
<td>.056</td>
<td>.051</td>
</tr>
<tr>
<td>Juneau RD</td>
<td>&lt; 1</td>
<td>0</td>
<td>.0003</td>
</tr>
<tr>
<td>Ketchikan RD</td>
<td>187</td>
<td>.017</td>
<td>.070</td>
</tr>
<tr>
<td>Petersburg RD</td>
<td>&lt; 1</td>
<td>.00004</td>
<td>.058</td>
</tr>
<tr>
<td>Sitka RD</td>
<td>&lt; 1</td>
<td>.0001</td>
<td>.0003</td>
</tr>
<tr>
<td>Thorne Bay RD</td>
<td>7</td>
<td>.025</td>
<td>.022</td>
</tr>
<tr>
<td>Wrangell RD</td>
<td>45</td>
<td>.006</td>
<td>.015</td>
</tr>
<tr>
<td>Yukatat RD</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **gT** = green tons (solid wood up to 7" dbh & all high defect)
- **S** = small log mmbf (>7"-12" dbh)
- **L** = large log mmbf (>12" dbh)
- **def** = high defect

**State of Alaska Lands:**

J Haines State Forest (gT = 75 / S = 0 / L = 0)

K Other State Lands

**Alaska Mental Health Trust:**

L Trust Lands

**Sealaska Corporation:**

M Prince of Wales (gT = 500 / S = .052 / L = .011)

*italics/bold = species offering in CROP*
\textbf{Red Alder: Diameter by Year}

\textit{(<4” & >4”-7” diameters do not distinguish between solid & high-defect wood)}

\begin{itemize}
  \item SE Alaska - Red Alder: <4” Diameter by Year (.018 mmbf)
  \item SE Alaska - Red Alder: High-Defect >12” Diameter by Year (.047 mmbf)
  \item SE Alaska - Red Alder: >4”-7” Diameter by Year (.076 mmbf)
  \item SE Alaska - Red Alder: Solid >7”-9” Diameter by Year (.039 mmbf)
  \item SE Alaska - Red Alder: High-Defect >7”-9” Diameter by Year (.013 mmbf)
  \item SE Alaska - Red Alder: Solid >9”-12” Diameter by Year (.145 mmbf)
  \item SE Alaska - Red Alder: High-Defect >9”-12” Diameter by Year (.019 mmbf)
  \item SE Alaska - Red Alder: Solid >12” Diameter by Year (.256 mmbf)
\end{itemize}
**SE Alaska: Red Alder CROP offering/removal ‘08 – ‘12**
(by agency)

<table>
<thead>
<tr>
<th>Red Alder</th>
<th>5-yr = .0592 mmbf</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tongass NF:</td>
<td></td>
</tr>
<tr>
<td>Craig RD</td>
<td></td>
</tr>
</tbody>
</table>

- Unlevel supply from year to year
- \(<4" = 0\% (0 mmbf)
- \(>4"-7" = 0\% (0 mmbf)
- \(>7"-9" \text{ def} = 0\% (0 mmbf)
- \(>9"-12" \text{ def} = 1\% (.001 mmbf)
- \(>12" \text{ def} = 3\% (.002 mmbf)

<table>
<thead>
<tr>
<th>gT = 14</th>
<th>S = .028</th>
<th>L = .028</th>
</tr>
</thead>
<tbody>
<tr>
<td>(&gt;7&quot;-9&quot; = 0% (0 mmbf)</td>
<td>(&gt;9&quot;-12&quot; = 48% (.028 mmbf)</td>
<td>(&gt;12&quot; = 48% (.028 mmbf)</td>
</tr>
</tbody>
</table>

- gT = green tons (solid wood up to 7" dbh & all high defect)
- S = small log mmbf (>7"-12" dbh)
- L = large log mmbf (>12" dbh)
- def = high defect

---

**Tongass NF - Craig RD: Red Alder**

**2008 Total Volume by Diameter**

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;4&quot;</td>
<td>0 mmbf</td>
</tr>
<tr>
<td>&gt;4&quot;-7&quot;</td>
<td>0 mmbf</td>
</tr>
<tr>
<td>&gt;7&quot;-9&quot; def</td>
<td>0 mmbf</td>
</tr>
<tr>
<td>&gt;9&quot;-12&quot; def</td>
<td>0 mmbf</td>
</tr>
<tr>
<td>&gt;12&quot; def</td>
<td>0 mmbf</td>
</tr>
</tbody>
</table>

**2009 Total Volume by Diameter**

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;4&quot;</td>
<td>0 mmbf</td>
</tr>
<tr>
<td>&gt;4&quot;-7&quot;</td>
<td>0 mmbf</td>
</tr>
<tr>
<td>&gt;7&quot;-9&quot; def</td>
<td>0 mmbf</td>
</tr>
<tr>
<td>&gt;9&quot;-12&quot; def</td>
<td>0 mmbf</td>
</tr>
<tr>
<td>&gt;12&quot; def</td>
<td>0 mmbf</td>
</tr>
</tbody>
</table>

**'10, '11, '12 Annual Volume by Diameter**

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;4&quot;</td>
<td>0 mmbf</td>
</tr>
<tr>
<td>&gt;4&quot;-7&quot;</td>
<td>0 mmbf</td>
</tr>
<tr>
<td>&gt;7&quot;-9&quot; def</td>
<td>0 mmbf</td>
</tr>
<tr>
<td>&gt;9&quot;-12&quot; def</td>
<td>0 mmbf</td>
</tr>
<tr>
<td>&gt;12&quot; def</td>
<td>0 mmbf</td>
</tr>
</tbody>
</table>
**Red Alder**

- **Tongass NF: Hoonah RD**
  - 5-yr = .114 mmbf

- gT = 35
  - <4" = 0% (0 mmbf)
  - >4"-7" = 0% (0 mmbf)
  - >7"-9" def = 0% (0 mmbf)
  - >9"-12" def = 3% (.004 mmbf)
  - >12" def = 3% (.003 mmbf)

- S = .056
  - >7"-9" = 0% (0 mmbf)
  - >9"-12" = 49% (.056 mmbf)

- L = .051
  - >12" = 44% (.051 mmbf)

---

**Tongass NF - Hoonah RD: Red Alder**

- **2008 Total Volume by Diameter** (.0008 mmbf)

- **2010 Total Volume by Diameter** (.0280 mmbf)

- **2012 Total Volume by Diameter** (.0343 mmbf)

**B**

- **SE Alaska: Red Alder CROP offering/removal '08 – '12**
  (by agency)

---

**gT** = green tons (solid wood up to 7" dbh & all high defect)

**S** = small log mmbf (>7"-12" dbh)

**L** = large log mmbf (>12" dbh)

**def** = high defect
**C**

<table>
<thead>
<tr>
<th>Red Alder</th>
<th>Tongass NF: Juneau RD</th>
<th>5-yr = .0004 mmbf</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>gT = &lt; 1</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>● &lt;4&quot;      = 0% (0 mmbf)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>● &gt;4&quot;-7&quot;   = 0% (0 mmbf)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>● &gt;7&quot;-9&quot; def = 0% (0 mmbf)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>● &gt;9&quot;-12&quot; def = 0% (0 mmbf)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>● &gt;12&quot; def = 30% (.0001 mmbf)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>S = 0</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>● &gt;7&quot;-9&quot; = 0% (0 mmbf)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>● &gt;9&quot;-12&quot; = 0% (0 mmbf)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>L = .0003</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>● &gt;12&quot; = 70% (.0003 mmbf)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**gT** = green tons (solid wood up to 7" dbh & all high defect)

**S** = small log mmbf (>7"-12" dbh)

**L** = large log mmbf (>12" dbh)

**def** = high defect

---

Tongass NF - Juneau RD: Red Alder
'08, '10, '12 Annual Volume by Diameter
(.00013 mmbf/yr)
SE Alaska: Red Alder CROP offering/removal ‘08 – ‘12
(by agency)

gT = green tons (solid wood up to 7” dbh & all high defect)
S = small log mmbf (>7”-12” dbh)
L = large log mmbf (>12” dbh)
def = high defect

D

Red Alder
Tongass NF: Ketchikan RD
5-yr = .125 mmbf

• No offering for ‘12; unlevel supply for years offered

<table>
<thead>
<tr>
<th>Diameter</th>
<th>gT</th>
<th>S</th>
<th>L</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;4”</td>
<td>0%</td>
<td>0%</td>
<td>0%</td>
</tr>
<tr>
<td>&gt;4”-7”</td>
<td>0%</td>
<td>0%</td>
<td>0%</td>
</tr>
<tr>
<td>&gt;7”-9” def</td>
<td>0%</td>
<td>0%</td>
<td>0%</td>
</tr>
<tr>
<td>&gt;9”-12” def</td>
<td>6%</td>
<td>0%</td>
<td>0.007 mmbf</td>
</tr>
<tr>
<td>&gt;12” def</td>
<td>30%</td>
<td>0%</td>
<td>0.030 mmbf</td>
</tr>
</tbody>
</table>

S = .017

• >7”-9” = 0% (0 mmbf)
• >9”-12” = 14% (.017 mmbf)

L = .070

• >12” = 56% (.070 mmbf)
**SE Alaska: Red Alder CROP offering/removal ‘08 – ‘12**
(by agency)

<table>
<thead>
<tr>
<th><strong>Red Alder</strong></th>
<th><strong>Tongass NF:</strong></th>
<th><strong>Petersburg RD</strong></th>
<th><strong>5-yr = .058 mmbf</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>gT = &lt; 1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>&lt;4’”</td>
<td>0%</td>
<td>(0 mmbf)</td>
<td></td>
</tr>
<tr>
<td>&gt;4’&quot;-7’” def</td>
<td>0%</td>
<td>(0 mmbf)</td>
<td></td>
</tr>
<tr>
<td>&gt;7’&quot;-9’” def</td>
<td>&lt;1%</td>
<td>(.00002 mmbf)</td>
<td></td>
</tr>
<tr>
<td>&gt;9’&quot;-12’” def</td>
<td>&lt;1%</td>
<td>(.00004 mmbf)</td>
<td></td>
</tr>
<tr>
<td>&gt;12’” def</td>
<td>100%</td>
<td>(.058 mmbf)</td>
<td></td>
</tr>
</tbody>
</table>

- Unlevel supply from year to year
- S = .00004
- L = .058

**gT = green tons (solid wood up to 7” dbh & all high defect)**

**S = small log mmbf (>7”-12” dbh)**

**L = large log mmbf (>12” dbh)**

**def = high defect**
**SE Alaska: Red Alder CROP offering/removal '08 – '12**  
(by agency)

<table>
<thead>
<tr>
<th><strong>Red Alder</strong></th>
<th><strong>Tongass NF: Sitka RD</strong></th>
<th><strong>5-yr = .0006 mmbf</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>gT = &lt; 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>&lt;4”</td>
<td>0% (0 mmbf)</td>
<td></td>
</tr>
<tr>
<td>&gt;4”-7”</td>
<td>0% (0 mmbf)</td>
<td></td>
</tr>
<tr>
<td>&gt;7”-9” def</td>
<td>0% (0 mmbf)</td>
<td></td>
</tr>
<tr>
<td>&gt;9”-12” def</td>
<td>6% (.00004 mmbf)</td>
<td></td>
</tr>
<tr>
<td>&gt;12” def</td>
<td>23% (.0001 mmbf)</td>
<td></td>
</tr>
<tr>
<td>gT = 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>&lt;4”</td>
<td>0% (0 mmbf)</td>
<td></td>
</tr>
<tr>
<td>&gt;4”-7”</td>
<td>0% (0 mmbf)</td>
<td></td>
</tr>
<tr>
<td>&gt;7”-9” def</td>
<td>0% (0 mmbf)</td>
<td></td>
</tr>
<tr>
<td>&gt;9”-12” def</td>
<td>6% (.00004 mmbf)</td>
<td></td>
</tr>
<tr>
<td>&gt;12” def</td>
<td>23% (.0001 mmbf)</td>
<td></td>
</tr>
<tr>
<td>S = .0001</td>
<td></td>
<td></td>
</tr>
<tr>
<td>&gt;7”-9”</td>
<td>1% (.00001 mmbf)</td>
<td></td>
</tr>
<tr>
<td>&gt;9”-12”</td>
<td>15% (.0001 mmbf)</td>
<td></td>
</tr>
<tr>
<td>L = .0003</td>
<td></td>
<td></td>
</tr>
<tr>
<td>&gt;12”</td>
<td>54% (.0003 mmbf)</td>
<td></td>
</tr>
</tbody>
</table>

gT = green tons (solid wood up to 7” dbh & all high defect)  
S = small log mmbf (>7”-12” dbh)  
L = large log mmbf (>12” dbh)  
def = high defect
**SE Alaska: Red Alder CROP offering/removal ‘08 – ‘12**  
(by agency)  

<table>
<thead>
<tr>
<th><strong>Red Alder</strong></th>
<th><strong>Tongass NF: Thorne Bay RD</strong></th>
<th><strong>5-yr = .048 mmbf</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>gT = 7</td>
<td>No offering for ‘08; level supply for years offered</td>
<td></td>
</tr>
<tr>
<td>gT = 7</td>
<td>• &lt;4” = 0% (0 mmbf)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• &gt;4”-7” = 0% (0 mmbf)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• &gt;7”-9” def = 0% (0 mmbf)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• &gt;9”-12” def = 2% (.0008 mmbf)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• &gt;12” def = 1% (.0007 mmbf)</td>
<td></td>
</tr>
<tr>
<td>S = .025</td>
<td>• &gt;7”-9” = 0% (0 mmbf)</td>
<td></td>
</tr>
<tr>
<td>L = .022</td>
<td>• &gt;9”-12” = 51% (.025 mmbf)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• &gt;12” = 46% (.022 mmbf)</td>
<td></td>
</tr>
</tbody>
</table>

**Tongass NF - Thorne Bay RD: Red Alder**  
'09, '10, '11, '12 Annual Volume by Diameter  
(.012 mmbf/yr)

- gT = green tons (solid wood up to 7” dbh & all high defect)  
- S = small log mmbf (>7”-12” dbh)  
- L = large log mmbf (>12” dbh)  
- def = high defect
**SE Alaska: Red Alder CROP offering/removal ‘08 – ‘12**  
(by agency)

**gT** = green tons (solid wood up to 7” dbh & all high defect)  
**S** = small log mmbf (>7”-12” dbh)  
**L** = large log mmbf (>12” dbh)  
**def** = high defect

**H**

**Red Alder**  
**Tongass NF: Wrangell RD**  
5-yr = .030 mmbf

- Unlevel supply from year to year

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Volume (mmbf)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-4”</td>
<td>0% (0 mmbf)</td>
</tr>
<tr>
<td>&gt;4”-7”</td>
<td>0% (0 mmbf)</td>
</tr>
<tr>
<td>&gt;7”-9” def</td>
<td>0% (0 mmbf)</td>
</tr>
<tr>
<td>&gt;9”-12” def</td>
<td>9% (.003 mmbf)</td>
</tr>
<tr>
<td>&gt;12” def</td>
<td>21% (.006 mmbf)</td>
</tr>
</tbody>
</table>

**gT = 45**

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Volume (mmbf)</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;7”-9”</td>
<td>0% (0 mmbf)</td>
</tr>
<tr>
<td>&gt;9”-12”</td>
<td>20% (.006 mmbf)</td>
</tr>
</tbody>
</table>

**S = .006**

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Volume (mmbf)</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;12”</td>
<td>50% (.015 mmbf)</td>
</tr>
</tbody>
</table>

**L = .015**

- >7”-9” = 0% (0 mmbf)  
- >9”-12” = 20% (.006 mmbf)  
- >12” = 50% (.015 mmbf)
**SE Alaska: Red Alder CROP offering/removal '08 – '12 (by agency)**

<table>
<thead>
<tr>
<th>Red Alder</th>
<th>State of Alaska: Haines State Forest</th>
<th>5-yr = .015 mmbf; .003 mmbf/yr</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Level supply from year to year</td>
<td></td>
</tr>
<tr>
<td></td>
<td>gT = 75</td>
<td></td>
</tr>
<tr>
<td></td>
<td>&lt;4” = 100% (.015 mmbf)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>&gt;4”-7” = 0% (0 mmbf)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>&gt;7”-9” def = 0% (0 mmbf)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>&gt;9”-12” def = 0% (0 mmbf)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>&gt;12” def = 0% (0 mmbf)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Red Alder</th>
<th>Sealaska Corporation: Prince of Wales</th>
<th>5-yr .163 mmbf</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Offered only in 2009</td>
<td></td>
</tr>
<tr>
<td></td>
<td>gT = 500</td>
<td></td>
</tr>
<tr>
<td></td>
<td>&lt;4” = 1% (.002 mmbf)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>&gt;4”-7” = 35% (.057 mmbf)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>&lt;4” def = 1% (.001 mmbf)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>&gt;4”-7” def = 12% (.019 mmbf)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>&gt;7”-9” def = 8% (.013 mmbf)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>&gt;9”-12” def = 2% (.004 mmbf)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>&gt;12” def = 2% (.004 mmbf)</td>
<td></td>
</tr>
</tbody>
</table>

gT = green tons (solid wood up to 7” dbh & all high defect)
S = small log mmbf (>7”-12” dbh)
L = large log mmbf (>12” dbh)
def = high defect
SE Alaska: Pacific Silver Fir CROP offering/removal ‘08 – ‘12
(gT = 465 / S = .014 mm bf / L = .176 mm bf)
(.283 total mm bf)

Tongass NF: 1 RD – 100%
(gT = 465 / S = .014 / L = .176)

All Agencies: Pacific Silver Fir
(5-yr total = .283 mm bf)
.093 mm bf is <7" = 465 gT of biomass
.014 mm bf is >7"-12" = small logs
.176 mm bf is >12" = large logs

gT = green tons (solid wood up to 7" dbh & all high defect)
S = small log mm bf (>7"-12" dbh)
L = large log mm bf (>12" dbh)
def = high defect

<table>
<thead>
<tr>
<th>Year</th>
<th>gT</th>
<th>Small Log</th>
<th>Large Log</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008</td>
<td>110,506,2478</td>
<td>0.003429507</td>
<td>0.041791971</td>
</tr>
<tr>
<td>2009</td>
<td>93.826,05945</td>
<td>0.002911845</td>
<td>0.035483749</td>
</tr>
<tr>
<td>2010</td>
<td>161.589,93246</td>
<td>0.005014845</td>
<td>0.061110901</td>
</tr>
<tr>
<td>2011</td>
<td>99.038,61831</td>
<td>0.003073615</td>
<td>0.037455068</td>
</tr>
<tr>
<td>2012</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Totals</td>
<td>465.0</td>
<td>0.014429812</td>
<td>0.17584169</td>
</tr>
</tbody>
</table>

% 33% 5% 62%

mm bf 0.09299205

0.283263552
**SE Alaska: Pacific Silver Fir CROP offering/removal ‘08 – ‘12**

\( gT = 465 \div S = .014 \text{ mmbf} / L = .176 \text{ mmbf} \)

(.283 total mmbf)

*italics/bold = species offering in CROP*

---

**Tongass NF:**
- A Craig RD
- B Hoonah RD
- C Juneau RD
- D **Ketchikan RD***
  \( gT = 465 \div S = .014 \div L = .176 \)
- E Petersburg RD
- F Sitka RD
- G Thorne Bay RD
- H Wrangell RD
- I Yukatat RD

**State of Alaska Lands:**
- J Haines State Forest
- K Other State Lands

**Alaska Mental Health Trust:**
- L Trust Lands

**Sealaska Corporation:**
- M Prince of Wales

---

\( gT = \text{green tons (solid wood up to 7” dbh & all high defect)} \)
\( S = \text{small log mmbf (~7”-12” dbh)} \)
\( L = \text{large log mmbf (~12” dbh)} \)
\( \text{def} = \text{high defect} \)
Pacific Silver Fir: Diameter by Year

(<4” & >4”-7” diameters do not distinguish between solid & high-defect wood)

SE Alaska - Pacific Silver Fir:
>4”-7” Diameter by Year (.011 mmbf)

SE Alaska - Pacific Silver Fir:
High-Defect >7”-9” Diameter by Year (.001 mmbf)

SE Alaska - Pacific Silver Fir:
Solid >7”-9” Diameter by Year (.002 mmbf)

SE Alaska - Pacific Silver Fir:
High-Defect >9”-12” Diameter by Year (.012 mmbf)

SE Alaska - Pacific Silver Fir:
Solid >9”-12” Diameter by Year (.176 mmbf)

SE Alaska - Pacific Silver Fir:
High-Defect >12” Diameter by Year (.075 mmbf)

SE Alaska - Pacific Silver Fir:
Solid >12” Diameter by Year (.017 mmbf)

Note: No volume for <4” dbh
**SE Alaska: Pacific Silver Fir CROP offering/removal ’08 – ’12**
(by agency)

- **gT** = green tons (solid wood up to 7” dbh & all high defect)
- **S** = small log mmbf (>7”-12” dbh)
- **L** = large log mmbf (>12” dbh)
- **def** = high defect

<table>
<thead>
<tr>
<th>Pacific Silver Fir</th>
<th>Tongass NF: Ketchikan RD</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-yr = .283 mmbf</td>
<td></td>
</tr>
</tbody>
</table>

- No offering in ’12; unlevel supply for years offered

**gT = 465**
- <4” = 0% (0 mmbf)
- >4”-7” = 4% (.011 mmbf)
- >7”-9” def = <1% (.001 mmbf)
- >9”-12” def = 2% (.005 mmbf)
- >12” def = 27% (.075 mmbf)

**S = .014**
- >7”-9” = 1% (.003 mmbf)
- >9”-12” = 4% (.012 mmbf)

**L = .176**
- >12” = 62% (.176 mmbf)

---

**Tongass NF - Ketchikan RD: Pacific Silver Fir**

**2008 Total Volume by Diameter** (.0673 mmbf)

**2009 Total Volume by Diameter** (.0572 mmbf)

**2010 Total Volume by Diameter** (.0984 mmbf)

**2011 Total Volume by Diameter** (.0603 mmbf)
SE Alaska: Black Cottonwood CROP offering/removal ‘08 – ‘12
(gT = 75 / S = .066 mmbf / L = .107 mmbf)
(.188 total mmbf)

Tongass NF: 1 RD – <1%
(gT = < 1 / S = 0 / L = .00008)

State of Alaska Lands: 100%
(gT = 75 / S = .066 / L = .107)

All Agencies: Black Cottonwood
(5-yr total = .188 mmbf)
.015 mmbf is <7” = 75 gT of biomass
.066 mmbf is >7”-12” = small logs
.107 mmbf is >12” = large logs

<table>
<thead>
<tr>
<th>Year</th>
<th>gT</th>
<th>Biomass</th>
<th>Small Log</th>
<th>Large Log</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008</td>
<td>15.05495734</td>
<td>0.011728035</td>
<td>0.019045724</td>
<td></td>
</tr>
<tr>
<td>2009</td>
<td>15</td>
<td>0.012461037</td>
<td>0.020208832</td>
<td></td>
</tr>
<tr>
<td>2010</td>
<td>15.05495734</td>
<td>0.013194039</td>
<td>0.021423234</td>
<td></td>
</tr>
<tr>
<td>2011</td>
<td>15</td>
<td>0.013927041</td>
<td>0.022586342</td>
<td></td>
</tr>
<tr>
<td>2012</td>
<td>15.05495734</td>
<td>0.014660044</td>
<td>0.023800743</td>
<td></td>
</tr>
<tr>
<td>Totals</td>
<td>75.2</td>
<td>0.065970196</td>
<td>0.107064875</td>
<td></td>
</tr>
</tbody>
</table>

% 8% 35% 57%

mmbf 0.188068045

November 2008
SE Alaska CROP.109
**SE Alaska: Black Cottonwood CROP offering/removal ‘08 – ‘12**  
\[gT = 75 / S = .066 \text{ mmbf} / L = .107 \text{ mmbf}\]  
(.188 total mmbf)

\text{gT} = \text{green tons (solid wood up to 7" dbh & all high defect)}  
\text{S} = \text{small log mmbf (>7"-12" dbh)}  
\text{L} = \text{large log mmbf (>12" dbh)}  
\text{def} = \text{high defect}

**Tongass NF:**  
A Craig RD  
B Hoonah RD  
C Juneau RD  
D Ketchikan RD  
E Petersburg RD  
F **Sitka RD*** \[gT = < 1 / S = 0 / L = .00008\]  
G Thorne Bay RD  
H Wrangell RD  
I Yukatat RD

**State of Alaska Lands:**  
J **Haines State Forest** \[gT = 75 / S = .066 / L = .107\]  
K Other State Lands

**Alaska Mental Health Trust:**  
L Trust Lands

**Sealaska Corporation:**  
M Prince of Wales

*italics/bold = species offering in CROP*
Black Cottonwood: Diameter by Year

(<4” & >4”-7” diameters do not distinguish between solid & high-defect wood)

SE Alaska - Black Cottonwood: 
<4” Diameter by Year (.005 mmbf)

SE Alaska - Black Cottonwood: 
Solid >9”-12” Diameter by Year (.055 mmbf)

SE Alaska - Black Cottonwood: 
>4”-7” Diameter by Year (.010 mmbf)

SE Alaska - Black Cottonwood: 
Solid >12” Diameter by Year (.107 mmbf)

SE Alaska - Black Cottonwood: 
High-Defect >12” Diameter by Year (.0003 mmbf)

SE Alaska - Black Cottonwood: 
Solid >7”-9” Diameter by Year (.011 mmbf)

Note: No volumes for High-Defect >7”-9” or >9”-12”
**SE Alaska: Black Cottonwood CROP offering/removal ‘08 – ‘12**  
(by agency)

**ROM # Cot 1.3**

<table>
<thead>
<tr>
<th>Black Cottonwood</th>
<th>5-yr = .0001 mmbf</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tongass NF: Sitka RD</td>
<td></td>
</tr>
<tr>
<td>No offering for ‘09 &amp; ‘11; level supply for years offered</td>
<td></td>
</tr>
<tr>
<td>gT = &lt; 1</td>
<td></td>
</tr>
<tr>
<td>&lt;4&quot; = 0% (0 mmbf)</td>
<td></td>
</tr>
<tr>
<td>&gt;4&quot;-7&quot; = 0% (0 mmbf)</td>
<td></td>
</tr>
<tr>
<td>&gt;7&quot;-9&quot; def = 0% (0 mmbf)</td>
<td></td>
</tr>
<tr>
<td>&gt;9&quot;-12&quot; def = 0% (0 mmbf)</td>
<td></td>
</tr>
<tr>
<td>&gt;12&quot; def = 30% (.00003 mmbf)</td>
<td></td>
</tr>
<tr>
<td>S = 0</td>
<td></td>
</tr>
<tr>
<td>&gt;7&quot;-9&quot; = 0% (0 mmbf)</td>
<td></td>
</tr>
<tr>
<td>&gt;9&quot;-12&quot; = 0% (0 mmbf)</td>
<td></td>
</tr>
<tr>
<td>L = .00008</td>
<td></td>
</tr>
<tr>
<td>&gt;12&quot; = 70% (.00008 mmbf)</td>
<td></td>
</tr>
</tbody>
</table>

**Tongass NF - Sitka RD: Black Cottonwood**  
'08, '10, '12 Annual Volume by Diameter  
(.00004 mmbf/yr)

<table>
<thead>
<tr>
<th>mmbf</th>
<th>&lt;4&quot;</th>
<th>&gt;4&quot;-7&quot;</th>
<th>&gt;7&quot;-9&quot; def</th>
<th>&gt;9&quot;-12&quot; def</th>
<th>&gt;12&quot; def</th>
<th>&gt;7&quot;-9&quot;</th>
<th>&gt;9&quot;-12&quot;</th>
<th>&gt;12&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>.000005</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>.00001</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>.000025</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>.000005</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>.00001</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>.000025</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
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<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>.00005</td>
<td>0</td>
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<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>.000025</td>
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<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

**gT** = green tons (solid wood up to 7” dbh & all high defect)  
**S** = small log mmbf (>7"-12" dbh)  
**L** = large log mmbf (>12" dbh)  
**def** = high defect
SE Alaska: Black Cottonwood CROP offering/removal ‘08 – ‘12 (by agency)

ROM # Cot 1.4

- Fairly level supply from year to year

<table>
<thead>
<tr>
<th>Diameter</th>
<th>gT (%)</th>
<th>mmbf</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;4&quot;</td>
<td>3%</td>
<td>0.005 mmbf</td>
</tr>
<tr>
<td>&gt;4&quot;-7&quot;</td>
<td>5%</td>
<td>0.010 mmbf</td>
</tr>
<tr>
<td>&gt;7&quot;-9&quot;</td>
<td>0%</td>
<td>0 mmbf</td>
</tr>
<tr>
<td>&gt;9&quot;-12&quot;</td>
<td>0%</td>
<td>0 mmbf</td>
</tr>
<tr>
<td>&gt;12&quot;</td>
<td>0%</td>
<td>0 mmbf</td>
</tr>
</tbody>
</table>

- >7"-9" = 6% (.011 mmbf)
- >9"-12" = 29% (.055 mmbf)
- >12"     = 57% (.107 mmbf)

gT = green tons (solid wood up to 7" dbh & all high defect)
S = small log mmbf (>7"-12" dbh)
L = large log mmbf (>12" dbh)
def = high defect
(gT = 0 / S = .011 mmbf / L = .017 mmbf)
(.028 total mmbf)

State of Alaska Lands: 100%
(gT = 0 / S = .011 / L = .017)

Tongass NF

<table>
<thead>
<tr>
<th>Year</th>
<th>gT</th>
<th>Small Log</th>
<th>Large Log</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008</td>
<td>0</td>
<td>0.001924313</td>
<td>0.003120777</td>
</tr>
<tr>
<td>2009</td>
<td>0</td>
<td>0.002044583</td>
<td>0.003315826</td>
</tr>
<tr>
<td>2010</td>
<td>0</td>
<td>0.002164852</td>
<td>0.003510874</td>
</tr>
<tr>
<td>2011</td>
<td>0</td>
<td>0.002285122</td>
<td>0.003705923</td>
</tr>
<tr>
<td>2012</td>
<td>0</td>
<td>0.002405391</td>
<td>0.003900972</td>
</tr>
<tr>
<td>Totals</td>
<td>0</td>
<td>0.010824262</td>
<td>0.017554372</td>
</tr>
</tbody>
</table>

% 0% 38% 62%

mmbf 0.028378634

gT = green tons (solid wood up to 7” dbh & all high defect)
S = small log mmbf (>7"-12" dbh)
L = large log mmbf (>12" dbh)
def = high defect
**SE Alaska: Paper Birch CROP offering/removal ‘08 – ‘12**

\[(gT = 0 / S = .011 \text{ mmbf} / L = .017 \text{ mmbf})\]

(.028 total mmbf)

\[gT = \text{green tons (solid wood up to 7” dbh \& all high defect)}\]
\[S = \text{small log mmbf (>7”-12” dbh)}\]
\[L = \text{large log mmbf (>12” dbh)}\]
\[\text{def = high defect}\]

**Tongass NF:**
- A Craig RD
- B Hoonah RD
- C Juneau RD
- D Ketchikan RD
- E Petersburg RD
- F Sitka RD
- G Thorne Bay RD
- H Wrangell RD
- I Yukatat RD

**State of Alaska Lands:**
- J Haines State Forest*  \((gT = 0 / S = .011 / L = .017)\)
- K Other State Lands

**Alaska Mental Health Trust:**
- L Trust Lands

**Sealaska Corporation:**
- M Prince of Wales

*italics/bold = species offering in CROP
Paper Birch: Diameter by Year

SE Alaska - Paper Birch: Solid >7''-9'' Diameter by Year (.0018 mmbf)

Note: No Biomass volumes: <4'', >4''-7'' dbh

No High-Defect volumes: >7''-9''; >9''-12'', >12'' dbh

SE Alaska - Paper Birch: Solid >9''-12'' Diameter by Year (.0090 mmbf)

SE Alaska - Paper Birch: Solid >12'' Diameter by Year (.0175 mmbf)


**SE Alaska: Paper Birch CROP offering/removal '08 – '12**

(by agency)

**ROM # Bir 1.3**

- **gT** = green tons (solid wood up to 7” dbh & all high defect)
- **S** = small log mmbf (>7”-12” dbh)
- **L** = large log mmbf (>12” dbh)
- **def** = high defect

---

### J

**Paper Birch**

State of Alaska: Haines State Forest

5-yr = .0284 mmbf

- Fairly level supply from year to year

- **gT = 0**
  - <4” = 0% (0 mmbf)
  - >4”-7” = 0% (0 mmbf)
  - >7”-9” def = 0% (0 mmbf)
  - >9”-12” def = 0% (0 mmbf)
  - >12” def = 0% (0 mmbf)

- **S = .011**
  - >7”-9” = 7% (.002 mmbf)
  - >9”-12” = 32% (.009 mmbf)

- **L = .017**
  - >12” = 62% (.017 mmbf)