# Cruise Narrative

| | | | |
|---|---|---|---|
| **Sale Name:** | Shuwah Jigsaw | **Region:** | Olympic |
| **App. #:** | N/A | **District:** | Crescent |
| **Lead cruiser:** | Darryl R. Dillard | **Completion date:** | May 05 2004 |
| **Other cruisers on sale:** | None | | |

## Unit acreage specifications:

| Unit # | Cruised acres | Cruised acres agree with sale acres? Yes/No | If acres do not agree explain why. |
|---|---|---|---|
| 1 | 68.1 | Yes | |
| 2 | 6.3 | Yes | |
| 3 | 5.6 | Yes | |
| | | | |
| | | | |
| Total | 80.0 | Yes | |

## Unit cruise specifications:

| Unit # | Sample type (VP, FP, ITS,100%) | Expansion factor (BAF, full/ half) | Sighting height (4.5 ft, 16 ft.) | Grid size (Plot spacing or % of area) | Plot ratio (cruise: count) | Total number of plots |
|---|---|---|---|---|---|---|
| 1 | VP | 40.00 F<br>62.50 F | D4'H<br>D4'H | 330'x128'<br>330'x128' | 13:12<br>20:18 | 25<br>38 |
| 2 | VP | 46.94 H<br>62.50 F | D4'H<br>D4'H | 330'x128'<br>330'x128' | 2:0<br>2:3 | 2<br>5 |
| 3 | VP | 62.50 F | D4'H | 330'x128' | 3:3 | 6 |
| | | | | | | |
| Total | | | | | 40:36 | 76 |

## Sale/Cruise Description:

| | | | | | | |
|---|---|---|---|---|---|---|
| **Minor species cruise intensity:** | VP cruised minor species same as major species in order to use the "SuperAce" cruise program. | | | | | |
| **Minimum cruise spec:** | 20 Bd. Ft. gross | | | | | |
| **Avg ring count by sp:** | **DF** = | N/A | **WH** = | 7 RPI | **SS** = | 6 RPI |
| **Leave/take tree description:** | Any tree marked with a BLUE band is a leave tree, these trees were not counted or cruised when they fell in plots. | | | | | |
| **Other conditions** | | | | | | |

**Field observations:**

These 85 year old units are dominated by very nice '2 & 3 saw' (grade) Western Hemlock and Sitka Spruce with similar Douglas Fir and Red Alder with trace amounts of a lesser quality Red Cedar present as a minor species. Cruising this sale is complex due to the "man-made" variability which has occurred due to recent removal of timber. A private cruiser might wish to consider using multiple BAF's in order to achieve a reliable sample. See unit cruise specifications as listed above.

Unit 1 – This unit is dominated with very impressive '2 saw' Western Hemlock and Sitka Spruce with trace amounts of Douglas Fir, Red Alder and Red Cedar present as minor species'. This 68 acre parcel has had approximately 1/3 of its original volume removed in 1998 in a commercial thinning sale. As a result some scattered 'blow-down' damage has occurred, primarily on the east edge of the sale area. Other defect is attributable to either butt-rot in the conifer and/or 'mistletoe' in the Hemlock. A few older 'residual' Hemlocks are located in the extreme northern portion of the unit. The terrain rolls gently downhill from the north to the south.

Unit 2 - This small unit is dominated with very impressive '2 saw' Sitka Spruce and average quality Western Hemlock with very impressive '2 saw' Douglas Fir and average quality Red Alder present as minor species. Most defect observed is due to anticipated breakage. The terrain rolls downhill from the south to the north and is steep adjacent to the draws which bisect the three portions that make up this unit.

Unit 3 – This small unit is dominated with average quality Western Hemlock and very impressive '2 saw' Sitka Spruce with very impressive '2 saw' Douglas Fir present as a minor species. Some 'blow-down' damage has occurred in the middle part of the larger portion which accounts for most of the defect observed. This unit is comprised of two (2) parcels. The topography rolls downhill from the south to the north.

Grants: 01

Prepared by: Darryl R. Dillard

Title: Forest Cruiser

CC: N/A

Shuwah Jigsaw Total Cruise

TC PSPCSTGR

# Species, Sort Grade - Board Foot Volumes (Project)

| | |
|---|---|
| T29N R13W S01 Ty0002 | 6.30 |
| T29N R13W S01 Ty0003 | 5.60 |
| T29N R13W S12 Ty0001 | 68.10 |

**Project:** SHUWAJIG

**Acres** 80.00

**Page** 1
**Date** 5/13/2004
**Time** 10:01:44AM

| Spp | S T | So Grt ad | % Net BdFt | Bd. Ft. per Acre Def% | Gross | Net | Total Net MBF | Percent of Net Board Foot Volume: Log Scale Dia. 4-5 | 6-11 | 12-16 | 17+ | Log Length 12-20 | 21-30 | 31-35 | 36-99 | Average Log Ln Ft | Bd Ft | CF/ Lf | Logs Per /Acre |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WH | | DM1P | | 30.0 | 206 | 144 | 12 | | | | 100 | | | 100 | | 32 | 700 | 6.66 | .2 |
| WH | | DM1S | | 59.9 | 248 | 100 | 8 | | | | 100 | | | 100 | | 32 | 590 | 8.06 | .2 |
| WH | | DM2S | 46 | 10.6 | 15,188 | 13,570 | 1,086 | | 1 | 58 | 41 | | | 100 | | 32 | 273 | 1.88 | 49.7 |
| WH | | DM3S | 47 | 4.0 | 14,846 | 14,248 | 1,140 | 2 | 80 | 16 | 2 | 0 | 3 | 97 | | 32 | 80 | 0.60 | 179.2 |
| WH | | DM4S | 7 | 7.0 | 1,952 | 1,816 | 145 | 71 | 22 | 2 | 4 | 44 | 38 | 19 | | 16 | 19 | 0.29 | 95.5 |
| **WH** | **Totals** | | 72 | 7.9 | 32,440 | 29,878 | 2,390 | 5 | 40 | 34 | 20 | 3 | 4 | 93 | | 27 | 92 | 0.79 | 324.8 |
| RA | | DM1S | 10 | 10.8 | 66 | 59 | 5 | | | | 100 | | | 100 | | 32 | 330 | 2.50 | .2 |
| RA | | DM2S | 22 | 4.4 | 126 | 120 | 10 | | | 100 | | | | 100 | | 32 | 164 | 1.22 | .7 |
| RA | | DM3S | 34 | 8.5 | 208 | 190 | 15 | | 74 | 26 | | | | 100 | | 32 | 146 | 1.23 | 1.3 |
| RA | | DM4S | 34 | 11.5 | 212 | 188 | 15 | 19 | 81 | | | 11 | 19 | 70 | | 27 | 36 | 0.48 | 5.2 |
| **RA** | **Totals** | | 1 | 8.9 | 612 | 557 | 45 | 6 | 52 | 31 | 11 | 4 | 6 | 90 | | 28 | 75 | 0.77 | 7.4 |
| SS | | DM2S | 67 | 6.5 | 6,997 | 6,544 | 523 | | | 25 | 75 | | | 100 | | 32 | 390 | 2.50 | 16.8 |
| SS | | DM3S | 29 | 9.6 | 3,149 | 2,845 | 228 | 8 | 55 | 24 | 13 | | 9 | 91 | | 31 | 92 | 0.76 | 31.1 |
| SS | | DM4S | 4 | 7.5 | 324 | 300 | 24 | 40 | 40 | 6 | 14 | 49 | 28 | 23 | | 11 | 16 | 0.43 | 19.0 |
| **SS** | **Totals** | | 23 | 7.5 | 10,470 | 9,688 | 775 | 3 | 17 | 24 | 55 | 2 | 3 | 95 | | 26 | 145 | 1.26 | 66.9 |
| DF | | DM2S | 48 | 8.2 | 638 | 586 | 47 | | | 56 | 44 | | | 100 | | 32 | 259 | 1.91 | 2.3 |
| DF | | DM3S | 45 | 3.5 | 563 | 543 | 43 | | 95 | 5 | | | | 100 | | 32 | 101 | 0.73 | 5.4 |
| DF | | DM4S | 7 | | 76 | 76 | 6 | 74 | 26 | | | 42 | 58 | | | 24 | 26 | 0.29 | 2.9 |
| **DF** | **Totals** | | 3 | 5.6 | 1,278 | 1,206 | 96 | 5 | 45 | 29 | 22 | 3 | 4 | 94 | | 30 | 114 | 0.91 | 10.5 |
| RC | | DM3S | 100 | | 61 | 61 | 5 | | 100 | | | | | 100 | | 32 | 50 | 0.50 | 1.2 |
| **RC** | **Totals** | | 0 | | 61 | 61 | 5 | | 100 | | | | | 100 | | 32 | 50 | 0.50 | 1.2 |
| **Totals** | | | | 7.7 | 44,859 | 41,390 | 3,311 | 5 | 35 | 31 | 28 | 2 | 4 | 94 | | 27 | 101 | 0.87 | 410.9 |

Grant 01

TC PSTATS

# PROJECT STATISTICS

**PROJECT SHUWAJIG**


DATE 5/11/2004

| TWP | RGE | SC | TRACT | TYPE | ACRES | PLOTS | TREES | CuFt | BdFt |
|---|---|---|---|---|---|---|---|---|---|
| 29N | 13W | 01 | UNIT2 | 0002 | 80.00 | 76 | 349 | S | W |
| 29N | 13W | 01 | UNIT3 | 0003 | | | | | |
| 29N | 13W | 12 | UNIT1 | 0001 | | | | | |

| | PLOTS | TREES | TREES PER PLOT | ESTIMATED TOTAL TREES | PERCENT SAMPLE TREES |
|---|---|---|---|---|---|
| TOTAL | 76 | 349 | 4.6 | | |
| CRUISE | 40 | 178 | 4.4 | 13,525 | 1.3 |
| DBH COUNT | | | | | |
| REFOREST | | | | | |
| COUNT | 35 | 171 | 4.9 | | |
| BLANKS | 1 | | | | |
| 100 % | | | | | |

## STAND SUMMARY

| | SAMPLE TREES | TREES /ACRE | AVG DBH | BOLE LEN | REL DEN | BASAL AREA | GROSS BF/AC | NET BF/AC | GROSS CF/AC | NET CF/AC |
|---|---|---|---|---|---|---|---|---|---|---|
| WHEMLOCK | 123 | 133.1 | 15.9 | 79 | 35 | 184.1 | 32,440 | 29,878 | 6,949 | 6,955 |
| S SPRUCE | 38 | 26.9 | 19.1 | 73 | | 53.3 | 10,470 | 9,688 | 2,168 | 2,167 |
| DOUG FIR | 6 | 3.4 | 19.3 | 96 | 2 | 6.9 | 1,278 | 1,206 | 284 | 284 |
| R ALDER | 10 | 4.5 | 15.6 | 53 | | 5.9 | 612 | 557 | 160 | 161 |
| WR CEDAR | 1 | 1.2 | 11.3 | 54 | | .8 | 61 | 61 | 19 | 19 |
| **TOTAL** | *178* | *169.1* | *16.5* | *77* | | *251.1* | *44,859* | *41,390* | *9,580* | *9,586* |

| | COEFF | | **SAMPLE TREES - BF** | | | # OF TREES REQ. | | INF. POP. |
|---|---|---|---|---|---|---|---|---|
| SD: 1 | VAR.% | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 |
| WHEMLOCK | 113.8 | 8.5 | 232 | 253 | 275 | | | |
| S SPRUCE | 264.9 | 19.9 | 128 | 159 | 191 | | | |
| DOUG FIR | 655.5 | 49.1 | 10 | 19 | 28 | | | |
| R ALDER | 476.9 | 35.7 | 6 | 9 | 12 | | | |
| WR CEDAR | 1334.2 | 100.0 | 0 | 0 | 1 | | | |
| **TOTAL** | *94.5* | *7.1* | *410* | *441* | *472* | *357* | *89* | *40* |

| | COEFF | | **SAMPLE TREES - CF** | | | # OF TREES REQ. | | INF. POP. |
|---|---|---|---|---|---|---|---|---|
| SD: 1 | VAR.% | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 |
| WHEMLOCK | 117.3 | 8.8 | 56 | 61 | 66 | | | |
| S SPRUCE | 291.7 | 21.9 | 29 | 37 | 44 | | | |
| DOUG FIR | 603.4 | 45.2 | 2 | 4 | 6 | | | |
| R ALDER | 475.2 | 35.6 | 2 | 3 | 4 | | | |
| WR CEDAR | 1334.2 | 100.0 | | 0 | 0 | | | |
| **TOTAL** | *102.3* | *7.7* | *96* | *104* | *112* | *418* | *105* | *46* |

| | COEFF | | **TREES/ACRE** | | | # OF PLOTS REQ. | | INF. POP. |
|---|---|---|---|---|---|---|---|---|
| SD: 1 | VAR.% | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 |
| WHEMLOCK | 84.6 | 9.7 | 120 | 133 | 146 | | | |
| S SPRUCE | 260.4 | 29.9 | 19 | 27 | 35 | | | |
| DOUG FIR | 293.3 | 33.6 | 2 | 3 | 5 | | | |
| R ALDER | 371.9 | 42.7 | 3 | 4 | 6 | | | |
| WR CEDAR | 871.8 | 100.0 | 0 | 1 | 2 | | | |
| **TOTAL** | *71.4* | *8.2* | *155* | *169* | *183* | *204* | *51* | *23* |

| | COEFF | | **BASAL AREA/ACRE** | | | # OF PLOTS REQ. | | INF. POP. |
|---|---|---|---|---|---|---|---|---|
| SD: 1 | VAR.% | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 |
| WHEMLOCK | 79.2 | 9.1 | 167 | 184 | 201 | | | |
| S SPRUCE | 165.7 | 19.0 | 43 | 53 | 63 | | | |
| DOUG FIR | 268.2 | 30.8 | 5 | 7 | 9 | | | |
| R ALDER | 332.6 | 38.2 | 4 | 6 | 8 | | | |
| WR CEDAR | 871.8 | 100.0 | | 1 | 2 | | | |
| **TOTAL** | *57.2* | *6.6* | *235* | *251* | *268* | *131* | *33* | *15* |

| | COEFF | | **NET BF/ACRE** | | | # OF PLOTS REQ. | | INF. POP. |
|---|---|---|---|---|---|---|---|---|
| SD: 1 | VAR.% | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 |

TC PSTATS

# PROJECT STATISTICS

**PROJECT SHUWAJIG**



DATE 5/11/2004

| TWP | RGE | SC | TRACT | TYPE | ACRES | PLOTS | TREES | CuFt | BdFt |
|---|---|---|---|---|---|---|---|---|---|
| 29N | 13W | 01 | UNIT2 | 0002 | 80.00 | 76 | 349 | S | W |
| 29N | 13W | 01 | UNIT3 | 0003 | | | | | |
| 29N | 13W | 12 | UNIT1 | 0001 | | | | | |

| SD: 1 | COEFF VAR. | S.E.% | NET BF/ACRE LOW | AVG | HIGH | # OF PLOTS REQ. 5 | 10 | INF. POP. 15 |
|---|---|---|---|---|---|---|---|---|
| WHEMLOCK | 88.3 | 10.1 | 26,852 | 29,878 | 32,904 | | | |
| S SPRUCE | 170.1 | 19.5 | 7,799 | 9,688 | 11,578 | | | |
| DOUG FIR | 281.4 | 32.3 | 816 | 1,206 | 1,595 | | | |
| R ALDER | 329.6 | 37.8 | 346 | 557 | 767 | | | |
| WR CEDAR | 871.8 | 100.0 | | 61 | 121 | | | |
| **TOTAL** | *65.3* | *7.5* | *38,288* | *41,390* | *44,492* | *171* | *43* | *19* |

| SD: 1 | COEFF VAR.% | S.E.% | NET CUFT FT/ACRE LOW | AVG | HIGH | # OF PLOTS REQ. 5 | 10 | INF. POP. 15 |
|---|---|---|---|---|---|---|---|---|
| WHEMLOCK | 86.1 | 9.9 | 6,268 | 6,955 | 7,642 | | | |
| S SPRUCE | 165.7 | 19.0 | 1,755 | 2,167 | 2,579 | | | |
| DOUG FIR | 270.8 | 31.1 | 196 | 284 | 373 | | | |
| R ALDER | 330.5 | 37.9 | 100 | 161 | 222 | | | |
| WR CEDAR | 871.8 | 100.0 | 0 | 19 | 39 | | | |
| **TOTAL** | *62.6* | *7.2* | *8,898* | *9,586* | *10,274* | *157* | *39* | *17* |

TC PSPCTLTCM

# Species Summary - Trees, Logs, Tons, CCF, MBF

| | |
|---|---|
| T29N R13W S01 Ty0002 | 6.3 |
| T29N R13W S01 Ty0003 | 5.6 |
| T29N R13W S12 Ty0001 | 68.1 |

**Project** SHUWAJIG
**Acres** 80.00

**Page No** 1
**Date:** 5/11/2004
**Time** 3:12:56PM

| Species | S T | Total Trees | Total Logs | Total Tons | Net Cubic Ft/ Tree | Net Cubic Ft/ Log | CF/ LF | Total CCF Gross | Total CCF Net | Total MBF Gross | Total MBF Net |
|---|---|---|---|---|---|---|---|---|---|---|---|
| WHEMLOCK | | 10,646 | 25,984 | 17,789 | 52.26 | 21.41 | 0.80 | 5,559 | 5,564 | 2,595 | 2,390 |
| S SPRUCE | | 2,152 | 5,348 | 4,508 | 80.53 | 32.41 | 1.30 | 1,734 | 1,733 | 838 | 775 |
| DOUG FIR | | 271 | 843 | 649 | 83.82 | 26.99 | 0.91 | 228 | 228 | 102 | 96 |
| R ALDER | | 358 | 596 | 353 | 35.96 | 21.58 | 0.78 | 128 | 129 | 49 | 45 |
| WR CEDAR | | 97 | 97 | 36 | 16.00 | 16.00 | 0.50 | 15 | 16 | 5 | 5 |
| **Totals** | | 13,525 | 32,869 | 23,335 | 56.70 | 23.33 | 0.88 | 7,664 | 7,669 | 3,589 | 3,311 |

| Wood Type Species | Total Trees | Total Logs | Total Tons | Net Cubic Ft/ Tree | Net Cubic Ft/ Log | CF/ LF | Total CCF Gross | Total CCF Net | Total MBF Gross | Total MBF Net |
|---|---|---|---|---|---|---|---|---|---|---|
| C | 13,167 | 32,273 | 22,982 | 57.27 | 23.36 | 0.88 | 7,536 | 7,540 | 3,540 | 3,267 |
| H | 358 | 596 | 353 | 35.96 | 21.58 | 0.78 | 128 | 129 | 49 | 45 |
| **Totals** | 13,525 | 32,869 | 23,335 | 56.70 | 23.33 | 0.88 | 7,664 | 7,669 | 3,589 | 3,311 |

TC PSPCSTGR

# Species, Sort Grade - Board Foot Volumes (Project)

T29N R13W S12 Ty0001 68.10

**Project:** **SHUWAJIG**

**Acres** **68.10**

**Page** **1**
**Date** **5/11/2004**
**Time** **2:15:52PM**

| Spp | S T | So Gr rt ad | % Net BdFt | Bd. Ft. per Acre Def% | Gross | Net | Total Net MBF | Percent of Net Board Foot Volume: Log Scale Dia. 4-5 | 6-11 | 12-16 | 17+ | Log Length 12-20 | 21-30 | 31-35 | 36-99 | Average Log Ln Ft | Bd Ft | CF/ Lf | Logs Per /Acre |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SS | | DM2S | 57 | 6.8 | 4,627 | 4,312 | 294 | | | 34 | 66 | | | 100 | | 32 | 363 | 2.51 | 11.9 |
| SS | | DM3S | 39 | 10.6 | 3,197 | 2,858 | 195 | 9 | 56 | 19 | 16 | | 7 | 93 | | 31 | 88 | 0.73 | 32.3 |
| SS | | DM4S | 4 | 8.8 | 321 | 293 | 20 | 48 | 28 | 7 | 17 | 39 | 34 | 27 | | 11 | 14 | 0.42 | 20.4 |
| **SS** | **Totals** | | 19 | 8.4 | 8,145 | 7,463 | 508 | 5 | 23 | 27 | 45 | 2 | 4 | 94 | | 25 | 116 | 1.10 | 64.6 |
| WH | | DM1P | | 30.0 | 242 | 169 | 12 | | | | 100 | | | 100 | | 32 | 700 | 6.66 | .2 |
| WH | | DM1S | | 59.9 | 291 | 117 | 8 | | | | 100 | | | 100 | | 32 | 590 | 8.06 | .2 |
| WH | | DM2S | 50 | 11.0 | 16,938 | 15,074 | 1,027 | | 1 | 55 | 43 | | | 100 | | 32 | 278 | 1.91 | 54.2 |
| WH | | DM3S | 45 | 4.4 | 14,246 | 13,617 | 927 | 2 | 79 | 17 | 2 | 0 | 3 | 96 | | 32 | 81 | 0.63 | 167.8 |
| WH | | DM4S | 5 | 8.0 | 1,661 | 1,528 | 104 | 61 | 29 | 3 | 6 | 45 | 38 | 18 | | 15 | 19 | 0.31 | 78.7 |
| **WH** | **Totals** | | 77 | 8.6 | 33,379 | 30,506 | 2,077 | 4 | 37 | 35 | 23 | 2 | 3 | 94 | | 27 | 101 | 0.86 | 301.1 |
| DF | | DM2S | 32 | 14.7 | 368 | 314 | 21 | | | 100 | | | | 100 | | 32 | 173 | 1.70 | 1.8 |
| DF | | DM3S | 60 | 3.9 | 599 | 576 | 39 | | 100 | | | | | 100 | | 32 | 98 | 0.70 | 5.9 |
| DF | | DM4S | 8 | | 77 | 77 | 5 | 87 | 13 | | | 32 | 68 | | | 25 | 26 | 0.27 | 3.0 |
| **DF** | **Totals** | | 2 | 7.4 | 1,044 | 966 | 66 | 7 | 61 | 32 | | 3 | 5 | 92 | | 30 | 90 | 0.78 | 10.7 |
| RA | | DM1S | 13 | 10.8 | 78 | 69 | 5 | | | | 100 | | | 100 | | 32 | 330 | 2.50 | .2 |
| RA | | DM2S | 26 | 4.4 | 148 | 141 | 10 | | | 100 | | | | 100 | | 32 | 164 | 1.22 | .9 |
| RA | | DM3S | 22 | 15.2 | 137 | 116 | 8 | | 49 | 51 | | | | 100 | | 32 | 151 | 1.34 | .8 |
| RA | | DM4S | 39 | 12.2 | 234 | 205 | 14 | 13 | 87 | | | 12 | 13 | 75 | | 27 | 38 | 0.49 | 5.4 |
| **RA** | **Totals** | | 1 | 10.8 | 595 | 531 | 36 | 5 | 44 | 38 | 13 | 5 | 5 | 90 | | 28 | 74 | 0.75 | 7.2 |
| RC | | DM3S | 100 | | 71 | 71 | 5 | | 100 | | | | | 100 | | 32 | 50 | 0.50 | 1.4 |
| **RC** | **Totals** | | 0 | | 71 | 71 | 5 | | 100 | | | | | 100 | | 32 | 50 | 0.50 | 1.4 |
| **Totals** | | | | 8.6 | 43,235 | 39,538 | 2,693 | 4 | 35 | 34 | 27 | 2 | 4 | 94 | | 27 | 103 | 0.89 | 385.1 |

TC PSTATS

# PROJECT STATISTICS

**PROJECT SHUWAJIG**


DATE 5/11/2004

| TWP | RGE | SC | TRACT | TYPE | ACRES | PLOTS | TREES | CuFt | BdFt |
|---|---|---|---|---|---|---|---|---|---|
| 29N | 13W | 12 | UNIT1 | 0001 | 68.10 | 63 | 288 | S | W |

| | PLOTS | TREES | TREES PER PLOT | ESTIMATED TOTAL TREES | PERCENT SAMPLE TREES |
|---|---|---|---|---|---|
| TOTAL | 63 | 288 | 4.6 | | |
| CRUISE | 33 | 145 | 4.4 | 10,799 | 1.3 |
| DBH COUNT | | | | | |
| REFOREST | | | | | |
| COUNT | 29 | 143 | 4.9 | | |
| BLANKS | 1 | | | | |
| 100 % | | | | | |

## STAND SUMMARY

| | SAMPLE TREES | TREES /ACRE | AVG DBH | BOLE LEN | REL DEN | BASAL AREA | GROSS BF/AC | NET BF/AC | GROSS CF/AC | NET CF/AC |
|---|---|---|---|---|---|---|---|---|---|---|
| WHEMLOCK | 103 | 121.7 | 16.7 | 81 | 35 | 185.7 | 33,379 | 30,506 | 7,122 | 7,128 |
| S SPRUCE | 29 | 27.4 | 17.8 | 68 | | 47.6 | 8,145 | 7,463 | 1,780 | 1,779 |
| DOUG FIR | 4 | 3.6 | 18.2 | 94 | 2 | 6.4 | 1,044 | 966 | 251 | 251 |
| R ALDER | 8 | 4.5 | 15.3 | 52 | | 5.7 | 595 | 531 | 154 | 155 |
| WR CEDAR | 1 | 1.4 | 11.3 | 54 | | 1.0 | 71 | 71 | 22 | 23 |
| **TOTAL** | *145* | *158.6* | *16.9* | *78* | | *246.4* | *43,235* | *39,538* | *9,329* | *9,334* |

| SD: 1 | COEFF VAR.% | S.E.% | SAMPLE TREES - BF LOW | AVG | HIGH | # OF TREES REQ. 5 | 10 | INF. POP. 15 |
|---|---|---|---|---|---|---|---|---|
| WHEMLOCK | 106.9 | 8.9 | 259 | 285 | 310 | | | |
| S SPRUCE | 300.5 | 25.0 | 98 | 130 | 163 | | | |
| DOUG FIR | 606.5 | 50.4 | 4 | 8 | 12 | | | |
| R ALDER | 496.5 | 41.2 | 5 | 9 | 13 | | | |
| WR CEDAR | 1204.2 | 100.0 | 0 | 0 | 1 | | | |
| **TOTAL** | *92.8* | *7.7* | *399* | *433* | *466* | *344* | *86* | *38* |

| SD: 1 | COEFF VAR.% | S.E.% | SAMPLE TREES - CF LOW | AVG | HIGH | # OF TREES REQ. 5 | 10 | INF. POP. 15 |
|---|---|---|---|---|---|---|---|---|
| WHEMLOCK | 110.1 | 9.1 | 63 | 69 | 75 | | | |
| S SPRUCE | 335.9 | 27.9 | 23 | 32 | 41 | | | |
| DOUG FIR | 613.8 | 51.0 | 1 | 2 | 3 | | | |
| R ALDER | 492.7 | 40.9 | 2 | 3 | 4 | | | |
| WR CEDAR | 1204.2 | 100.0 | | 0 | 0 | | | |
| **TOTAL** | *104.8* | *8.7* | *97* | *106* | *115* | *439* | *110* | *49* |

| SD: 1 | COEFF VAR.% | S.E.% | TREES/ACRE LOW | AVG | HIGH | # OF PLOTS REQ. 5 | 10 | INF. POP. 15 |
|---|---|---|---|---|---|---|---|---|
| WHEMLOCK | 85.8 | 10.8 | 109 | 122 | 135 | | | |
| S SPRUCE | 270.5 | 34.1 | 18 | 27 | 37 | | | |
| DOUG FIR | 292.0 | 36.8 | 2 | 4 | 5 | | | |
| R ALDER | 374.6 | 47.2 | 2 | 4 | 7 | | | |
| WR CEDAR | 793.7 | 100.0 | 0 | 1 | 3 | | | |
| **TOTAL** | *73.6* | *9.3* | *144* | *159* | *173* | *216* | *54* | *24* |

| SD: 1 | COEFF VAR.% | S.E.% | BASAL AREA/ACRE LOW | AVG | HIGH | # OF PLOTS REQ. 5 | 10 | INF. POP. 15 |
|---|---|---|---|---|---|---|---|---|
| WHEMLOCK | 80.3 | 10.1 | 167 | 186 | 204 | | | |
| S SPRUCE | 178.3 | 22.5 | 37 | 48 | 58 | | | |
| DOUG FIR | 276.6 | 34.9 | 4 | 6 | 9 | | | |
| R ALDER | 329.2 | 41.5 | 3 | 6 | 8 | | | |
| WR CEDAR | 793.7 | 100.0 | | 1 | 2 | | | |
| **TOTAL** | *58.4* | *7.4* | *228* | *246* | *265* | *137* | *34* | *15* |

| SD: 1 | COEFF VAR.% | S.E.% | NET BF/ACRE LOW | AVG | HIGH | # OF PLOTS REQ. 5 | 10 | INF. POP. 15 |
|---|---|---|---|---|---|---|---|---|
| WHEMLOCK | 89.3 | 11.3 | 27,072 | 30,506 | 33,940 | | | |

TC PSTATS

# PROJECT STATISTICS

**PROJECT SHUWAJIG**



DATE 5/11/2004

| TWP | RGE | SC | TRACT | TYPE | ACRES | PLOTS | TREES | CuFt | BdFt |
|---|---|---|---|---|---|---|---|---|---|
| 29N | 13W | 12 | UNIT1 | 0001 | 68.10 | 63 | 288 | S | W |

| SD: 1 | COEFF VAR. | S.E.% | NET BF/ACRE LOW | AVG | HIGH | # OF PLOTS REQ. 5 | 10 | INF. POP. 15 |
|---|---|---|---|---|---|---|---|---|
| S SPRUCE | 178.7 | 22.5 | 5,783 | 7,463 | 9,144 | | | |
| DOUG FIR | 282.6 | 35.6 | 622 | 966 | 1,310 | | | |
| R ALDER | 324.4 | 40.9 | 314 | 531 | 748 | | | |
| WR CEDAR | 793.7 | 100.0 | | 71 | 142 | | | |
| **TOTAL** | *67.0* | *8.4* | *36,199* | *39,538* | *42,877* | *180* | *45* | *20* |

| SD: 1 | COEFF VAR.% | S.E.% | NET CUFT FT/ACRE LOW | AVG | HIGH | # OF PLOTS REQ. 5 | 10 | INF. POP. 15 |
|---|---|---|---|---|---|---|---|---|
| WHEMLOCK | 86.6 | 10.9 | 6,350 | 7,128 | 7,905 | | | |
| S SPRUCE | 177.0 | 22.3 | 1,382 | 1,779 | 2,175 | | | |
| DOUG FIR | 278.6 | 35.1 | 163 | 251 | 339 | | | |
| R ALDER | 326.3 | 41.1 | 91 | 155 | 218 | | | |
| WR CEDAR | 793.7 | 100.0 | 0 | 23 | 46 | | | |
| **TOTAL** | *63.9* | *8.0* | *8,583* | *9,334* | *10,086* | *163* | *41* | *18* |

TC PSPCTLTCM

# Species Summary - Trees, Logs, Tons, CCF, MBF

T29N R13W S12 Ty0001 68.1

**Project** **SHUWAJIG**
**Acres** **68.10**

**Page No** **1**
**Date:** **5/11/2004**
**Time** **2:15:56PM**

| Species | S T | Total Trees | Total Logs | Total Tons | Net Cubic Ft/ Tree | Net Cubic Ft/ Log | CF/ LF | Total CCF Gross | Total CCF Net | Total MBF Gross | Total MBF Net |
|---|---|---|---|---|---|---|---|---|---|---|---|
| WHEMLOCK | | 8,286 | 20,507 | 15,520 | 58.58 | 23.67 | 0.88 | 4,850 | 4,854 | 2,273 | 2,077 |
| S SPRUCE | | 1,868 | 4,400 | 3,151 | 64.84 | 27.53 | 1.15 | 1,212 | 1,211 | 555 | 508 |
| DOUG FIR | | 243 | 728 | 487 | 70.41 | 23.47 | 0.78 | 171 | 171 | 71 | 66 |
| R ALDER | | 305 | 491 | 289 | 34.49 | 21.43 | 0.77 | 105 | 105 | 41 | 36 |
| WR CEDAR | | 97 | 97 | 36 | 16.00 | 16.00 | 0.50 | 15 | 16 | 5 | 5 |
| **Totals** | | 10,799 | 26,223 | 19,483 | 58.86 | 24.24 | 0.91 | 6,353 | 6,357 | 2,944 | 2,693 |

| Wood Type Species | Total Trees | Total Logs | Total Tons | Net Cubic Ft/ Tree | Net Cubic Ft/ Log | CF/ LF | Total CCF Gross | Total CCF Net | Total MBF Gross | Total MBF Net |
|---|---|---|---|---|---|---|---|---|---|---|
| C | 10,494 | 25,732 | 19,194 | 59.57 | 24.29 | 0.91 | 6,248 | 6,251 | 2,904 | 2,656 |
| H | 305 | 491 | 289 | 34.49 | 21.43 | 0.77 | 105 | 105 | 41 | 36 |
| **Totals** | 10,799 | 26,223 | 19,483 | 58.86 | 24.24 | 0.91 | 6,353 | 6,357 | 2,944 | 2,693 |

TC PSPCSTGR

# Species, Sort Grade - Board Foot Volumes (Project)

T29N R13W S01 Ty0002 6.30

**Project:** **SHUWAJIG**

**Acres** **6.30**

**Page** **1**
**Date** **5/11/2004**
**Time** **2:56:32PM**

| Spp | S T | So Gr rt ad | % Net BdFt | Bd. Ft. per Acre Def% | Gross | Net | Total Net MBF | Percent of Net Board Foot Volume: Log Scale Dia. 4-5 | 6-11 | 12-16 | 17+ | Log Length 12-20 | 21-30 | 31-35 | 36-99 | Average Log Ln Ft | Bd Ft | CF/ Lf | Logs Per /Acre |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WH | | DM2S | 26 | 2.4 | 7,353 | 7,176 | 45 | | | 100 | | | | 100 | | 32 | 208 | 1.55 | 34.5 |
| WH | | DM3S | 63 | 3.6 | 17,391 | 16,762 | 106 | 5 | 86 | 9 | | | 4 | 96 | | 32 | 74 | 0.56 | 227.0 |
| WH | | DM4S | 11 | | 2,756 | 2,756 | 17 | 100 | | | | 21 | 79 | | | 18 | 21 | 0.29 | 131.6 |
| **WH** | | **Totals** | 42 | 2.9 | 27,500 | 26,694 | 168 | 13 | 54 | 33 | | 2 | 11 | 87 | | 27 | 68 | 0.60 | 393.1 |
| RA | | DM3S | 87 | | 1,164 | 1,164 | 7 | | 100 | | | | | 100 | | 32 | 140 | 1.12 | 8.3 |
| RA | | DM4S | 13 | | 166 | 166 | 1 | 100 | | | | | 100 | | | 22 | 20 | 0.40 | 8.3 |
| **RA** | | **Totals** | 2 | .0 | 1,330 | 1,330 | 8 | 12 | 88 | | | | 12 | 88 | | 27 | 80 | 0.82 | 16.6 |
| SS | | DM2S | 86 | 6.2 | 30,326 | 28,435 | 179 | | | 8 | 92 | | | 100 | | 32 | 446 | 2.56 | 63.7 |
| SS | | DM3S | 12 | | 3,947 | 3,947 | 25 | | 30 | 70 | | | 12 | 88 | | 31 | 124 | 1.08 | 31.9 |
| SS | | DM4S | 2 | | 452 | 452 | 3 | | 100 | | | 100 | | | | 16 | 40 | 0.61 | 11.3 |
| **SS** | | **Totals** | 52 | 5.4 | 34,725 | 32,834 | 207 | | 5 | 15 | 80 | 1 | 1 | 97 | | 30 | 307 | 2.00 | 106.9 |
| DF | | DM2S | 84 | | 2,053 | 2,053 | 13 | | | | 100 | | | 100 | | 32 | 520 | 2.71 | 3.9 |
| DF | | DM3S | 13 | | 316 | 316 | 2 | | | 100 | | | | 100 | | 32 | 160 | 1.28 | 2.0 |
| DF | | DM4S | 3 | | 59 | 59 | 0 | | 100 | | | 100 | | | | 15 | 30 | 0.61 | 2.0 |
| **DF** | | **Totals** | 4 | | 2,428 | 2,428 | 15 | | 2 | 13 | 85 | 2 | | 98 | | 28 | 308 | 2.02 | 7.9 |
| **Totals** | | | | 4.1 | 65,983 | 63,286 | 399 | 6 | 27 | 22 | 45 | 2 | 6 | 93 | | 28 | 121 | 0.93 | 524.5 |

TC PSTATS

# PROJECT STATISTICS

**PROJECT SHUWAJIG**


DATE 5/11/2004

| TWP | RGE | SC | TRACT | TYPE | ACRES | PLOTS | TREES | CuFt | BdFt |
|---|---|---|---|---|---|---|---|---|---|
| 29N | 13W | 01 | UNIT2 | 0002 | 6.30 | 7 | 40 | S | W |

| | PLOTS | TREES | TREES PER PLOT | ESTIMATED TOTAL TREES | PERCENT SAMPLE TREES |
|---|---|---|---|---|---|
| TOTAL | 7 | 40 | 5.7 | | |
| CRUISE | 4 | 22 | 5.5 | 1,338 | 1.6 |
| DBH COUNT | | | | | |
| REFOREST COUNT | 3 | 18 | 6.0 | | |
| BLANKS | | | | | |
| 100 % | | | | | |

## STAND SUMMARY

| | SAMPLE TREES | TREES /ACRE | AVG DBH | BOLE LEN | REL DEN | BASAL AREA | GROSS BF/AC | NET BF/AC | GROSS CF/AC | NET CF/AC |
|---|---|---|---|---|---|---|---|---|---|---|
| WHEMLOCK | 12 | 170.2 | 14.0 | 72 | 37 | 183.1 | 27,500 | 26,694 | 6,410 | 6,417 |
| S SPRUCE | 7 | 31.9 | 26.8 | 107 | | 125.0 | 34,725 | 32,834 | 6,411 | 6,409 |
| R ALDER | 2 | 8.3 | 17.2 | 56 | | 13.4 | 1,330 | 1,330 | 370 | 370 |
| DOUG FIR | 1 | 2.0 | 28.8 | 116 | 2 | 8.9 | 2,428 | 2,428 | 442 | 442 |
| **TOTAL** | *22* | *212.4* | *16.9* | *77* | | *330.5* | *65,983* | *63,286* | *13,632* | *13,637* |

| | COEFF | | **SAMPLE TREES - BF** | | | # OF TREES REQ. | | INF. POP. |
|---|---|---|---|---|---|---|---|---|
| SD: 1 | VAR.% | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 |
| WHEMLOCK | 126.3 | 26.9 | 87 | 119 | 151 | | | |
| S SPRUCE | 156.7 | 33.4 | 225 | 338 | 451 | | | |
| R ALDER | 323.7 | 69.0 | 5 | 15 | 25 | | | |
| DOUG FIR | 469.0 | 100.0 | 0 | 56 | 112 | | | |
| **TOTAL** | *89.0* | *19.0* | *427* | *527* | *627* | *317* | *79* | *35* |

| | COEFF | | **SAMPLE TREES - CF** | | | # OF TREES REQ. | | INF. POP. |
|---|---|---|---|---|---|---|---|---|
| SD: 1 | VAR.% | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 |
| WHEMLOCK | 126.0 | 26.9 | 21 | 29 | 36 | | | |
| S SPRUCE | 154.3 | 32.9 | 44 | 66 | 87 | | | |
| R ALDER | 323.7 | 69.0 | 1 | 4 | 7 | | | |
| DOUG FIR | 469.0 | 100.0 | 0 | 10 | 20 | | | |
| **TOTAL** | *78.1* | *16.6* | *91* | *109* | *127* | *244* | *61* | *27* |

| | COEFF | | **TREES/ACRE** | | | # OF PLOTS REQ. | | INF. POP. |
|---|---|---|---|---|---|---|---|---|
| SD: 1 | VAR.% | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 |
| WHEMLOCK | 84.0 | 31.7 | 116 | 170 | 224 | | | |
| S SPRUCE | 104.0 | 39.3 | 19 | 32 | 44 | | | |
| R ALDER | 264.6 | 100.0 | 0 | 8 | 17 | | | |
| DOUG FIR | 264.6 | 100.0 | 0 | 2 | 4 | | | |
| **TOTAL** | *63.1* | *23.8* | *162* | *212* | *263* | *159* | *40* | *18* |

| | COEFF | | **BASAL AREA/ACRE** | | | # OF PLOTS REQ. | | INF. POP. |
|---|---|---|---|---|---|---|---|---|
| SD: 1 | VAR.% | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 |
| WHEMLOCK | 79.1 | 29.9 | 128 | 183 | 238 | | | |
| S SPRUCE | 104.1 | 39.3 | 76 | 125 | 174 | | | |
| R ALDER | 264.6 | 100.0 | 0 | 13 | 27 | | | |
| DOUG FIR | 264.6 | 100.0 | 0 | 9 | 18 | | | |
| **TOTAL** | *51.7* | *19.6* | *266* | *330* | *395* | *107* | *27* | *12* |

| | COEFF | | **NET BF/ACRE** | | | # OF PLOTS REQ. | | INF. POP. |
|---|---|---|---|---|---|---|---|---|
| SD: 1 | VAR.% | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 |
| WHEMLOCK | 82.2 | 31.1 | 18,401 | 26,694 | 34,987 | | | |
| S SPRUCE | 103.0 | 38.9 | 20,048 | 32,834 | 45,621 | | | |
| R ALDER | 264.6 | 100.0 | | 1,330 | 2,660 | | | |
| DOUG FIR | 264.6 | 100.0 | | 2,428 | 4,855 | | | |
| **TOTAL** | *59.3* | *22.4* | *49,091* | *63,286* | *77,480* | *141* | *35* | *16* |

TC PSTATS

# PROJECT STATISTICS

**PROJECT SHUWAJIG**



DATE 5/11/2004

| TWP | RGE | SC | TRACT | TYPE | ACRES | PLOTS | TREES | CuFt | BdFt |
|---|---|---|---|---|---|---|---|---|---|
| 29N | 13W | 01 | UNIT2 | 0002 | 6.30 | 7 | 40 | S | W |

| SD: 1 | COEFF VAR. | S.E.% | NET CUFT FT/ACRE LOW | AVG | HIGH | # OF PLOTS REQ. 5 | 10 | INF. POP. 15 |
|---|---|---|---|---|---|---|---|---|

| SD: 1 | COEFF VAR.% | S.E.% | NET CUFT FT/ACRE LOW | AVG | HIGH | # OF PLOTS REQ. 5 | 10 | INF. POP. 15 |
|---|---|---|---|---|---|---|---|---|
| WHEMLOCK | 81.4 | 30.8 | 4,443 | 6,417 | 8,391 | | | |
| S SPRUCE | 103.3 | 39.0 | 3,906 | 6,409 | 8,911 | | | |
| R ALDER | 264.6 | 100.0 | 0 | 370 | 740 | | | |
| DOUG FIR | 264.6 | 100.0 | 0 | 442 | 883 | | | |
| **TOTAL** | *56.5* | *21.3* | *10,726* | *13,637* | *16,549* | *128* | *32* | *14* |

TC PSPCTLTCM

# Species Summary - Trees, Logs, Tons, CCF, MBF

T29N R13W S01 Ty0002 6.3

**Project** **SHUWAJIG**
**Acres** **6.30**

**Page No** **1**
**Date:** **5/11/2004**
**Time** **2:56:37PM**

| Species | S T | Total Trees | Total Logs | Total Tons | Net Cubic Ft/ Tree | Net Cubic Ft/ Log | CF/ LF | Total CCF Gross | Total CCF Net | Total MBF Gross | Total MBF Net |
|---|---|---|---|---|---|---|---|---|---|---|---|
| S SPRUCE | | 201 | 673 | 1,050 | 201.10 | 59.95 | 2.00 | 404 | 404 | 219 | 207 |
| WHEMLOCK | | 1,072 | 2,477 | 1,292 | 37.70 | 16.32 | 0.60 | 404 | 404 | 173 | 168 |
| DOUG FIR | | 12 | 50 | 79 | 223.71 | 55.93 | 2.00 | 28 | 28 | 15 | 15 |
| R ALDER | | 52 | 105 | 64 | 44.54 | 22.27 | 0.82 | 23 | 23 | 8 | 8 |
| **Totals** | | 1,338 | 3,305 | 2,486 | 64.22 | 26.00 | 0.94 | 859 | 859 | 416 | 399 |

| Wood Type Species | Total Trees | Total Logs | Total Tons | Net Cubic Ft/ Tree | Net Cubic Ft/ Log | CF/ LF | Total CCF Gross | Total CCF Net | Total MBF Gross | Total MBF Net |
|---|---|---|---|---|---|---|---|---|---|---|
| C | 1,286 | 3,200 | 2,422 | 65.02 | 26.12 | 0.94 | 836 | 836 | 407 | 390 |
| H | 52 | 105 | 64 | 44.54 | 22.27 | 0.82 | 23 | 23 | 8 | 8 |
| **Totals** | 1,338 | 3,305 | 2,486 | 64.22 | 26.00 | 0.94 | 859 | 859 | 416 | 399 |

TC PSPCSTGR

# Species, Sort Grade - Board Foot Volumes (Project)

T29N R13W S01 Ty0003 5.60

**Project:** **SHUWAJIG**

**Acres** **5.60**

**Page** **1**
**Date** **5/11/2004**
**Time** **3:04:47PM**

| Spp | ST | Sort Grad | % Net BdFt | Bd. Ft. per Acre Def% | Gross | Net | Total Net MBF | Percent of Net Board Foot Volume: Log Scale Dia. 4-5 | 6-11 | 12-16 | 17+ | Log Length 12-20 | 21-30 | 31-35 | 36-99 | Average Log Ln Ft | Bd Ft | CF/ Lf | Logs Per /Acre |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WH | | DM2S | 9 | 8.7 | 2,712 | 2,476 | 14 | | | 100 | | | | 100 | | 32 | 210 | 1.31 | 11.8 |
| WH | | DM3S | 74 | 1.0 | 19,284 | 19,089 | 107 | | 87 | 13 | | | | 100 | | 32 | 72 | 0.47 | 264.3 |
| WH | | DM4S | 17 | 6.9 | 4,580 | 4,264 | 24 | 92 | 8 | | | 56 | 8 | 36 | | 17 | 16 | 0.23 | 259.8 |
| **WH** | **Totals** | | 66 | 2.8 | 26,575 | 25,829 | 145 | 15 | 66 | 19 | | 9 | 1 | 89 | | 25 | 48 | 0.41 | 535.9 |
| DF | | DM2S | 81 | 3.7 | 2,331 | 2,244 | 13 | | | 38 | 62 | | | 100 | | 32 | 385 | 2.12 | 5.8 |
| DF | | DM3S | 15 | | 408 | 408 | 2 | | 100 | | | | | 100 | | 32 | 140 | 1.03 | 2.9 |
| DF | | DM4S | 4 | | 87 | 87 | 0 | | 100 | | | 100 | | | | 16 | 30 | 0.50 | 2.9 |
| **DF** | **Totals** | | 7 | 3.1 | 2,827 | 2,739 | 15 | | 18 | 31 | 51 | 3 | | 97 | | 28 | 235 | 1.58 | 11.7 |
| SS | | DM2S | 84 | 5.5 | 9,579 | 9,050 | 51 | | | 34 | 66 | | | 100 | | 32 | 384 | 2.23 | 23.6 |
| SS | | DM3S | 14 | 12.8 | 1,659 | 1,448 | 8 | | 100 | | | | 27 | 73 | | 30 | 97 | 0.83 | 14.9 |
| SS | | DM4S | 2 | | 212 | 212 | 1 | | 100 | | | 100 | | | | 17 | 20 | 0.37 | 10.6 |
| **SS** | **Totals** | | 27 | 6.5 | 11,450 | 10,709 | 60 | | 15 | 29 | 55 | 2 | 4 | 94 | | 28 | 218 | 1.54 | 49.1 |
| **Totals** | | | | 3.9 | 40,852 | 39,277 | 220 | 10 | 49 | 22 | 19 | 7 | 2 | 91 | | 25 | 66 | 0.54 | 596.6 |

TC PSTATS

# PROJECT STATISTICS

**PROJECT SHUWAJIG**


DATE 5/11/2004

| TWP | RGE | SC | TRACT | TYPE | ACRES | PLOTS | TREES | CuFt | BdFt |
|---|---|---|---|---|---|---|---|---|---|
| 29N | 13W | 01 | UNIT3 | 0003 | 5.60 | 6 | 21 | S | W |

| | PLOTS | TREES | TREES PER PLOT | ESTIMATED TOTAL TREES | PERCENT SAMPLE TREES |
|---|---|---|---|---|---|
| TOTAL | 6 | 21 | 3.5 | | |
| CRUISE | 3 | 11 | 3.7 | 1,387 | .8 |
| DBH COUNT | | | | | |
| REFOREST COUNT | 3 | 10 | 3.3 | | |
| BLANKS | | | | | |
| 100 % | | | | | |

## STAND SUMMARY

| | SAMPLE TREES | TREES /ACRE | AVG DBH | BOLE LEN | REL DEN | BASAL AREA | GROSS BF/AC | NET BF/AC | GROSS CF/AC | NET CF/AC |
|---|---|---|---|---|---|---|---|---|---|---|
| WHEMLOCK | 8 | 229.9 | 11.5 | 69 | 36 | 166.7 | 26,575 | 25,829 | 5,451 | 5,456 |
| S SPRUCE | 2 | 14.9 | 22.6 | 96 | | 41.7 | 11,450 | 10,709 | 2,109 | 2,115 |
| DOUG FIR | 1 | 2.9 | 25.6 | 116 | 2 | 10.4 | 2,827 | 2,739 | 515 | 515 |
| **TOTAL** | *11* | *247.7* | *12.7* | *72* | | *218.8* | *40,852* | *39,277* | *8,075* | *8,087* |

| | COEFF | | SAMPLE TREES - BF | | | # OF TREES REQ. | | INF. POP. |
|---|---|---|---|---|---|---|---|---|
| SD: 1 | VAR.% | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 |
| WHEMLOCK | 108.1 | 32.6 | 74 | 110 | 146 | | | |
| S SPRUCE | 282.2 | 85.1 | 28 | 185 | 343 | | | |
| DOUG FIR | 331.7 | 100.0 | | 85 | 171 | | | |
| **TOTAL** | *135.9* | *41.0* | *225* | *381* | *537* | *739* | *185* | *82* |

| | COEFF | | SAMPLE TREES - CF | | | # OF TREES REQ. | | INF. POP. |
|---|---|---|---|---|---|---|---|---|
| SD: 1 | VAR.% | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 |
| WHEMLOCK | 107.3 | 32.4 | 16 | 23 | 31 | | | |
| S SPRUCE | 261.9 | 79.0 | 7 | 34 | 60 | | | |
| DOUG FIR | 331.7 | 100.0 | | 16 | 32 | | | |
| **TOTAL** | *118.3* | *35.7* | *47* | *73* | *99* | *560* | *140* | *62* |

| | COEFF | | TREES/ACRE | | | # OF PLOTS REQ. | | INF. POP. |
|---|---|---|---|---|---|---|---|---|
| SD: 1 | VAR.% | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 |
| WHEMLOCK | 74.1 | 30.2 | 160 | 230 | 299 | | | |
| S SPRUCE | 154.9 | 63.2 | 5 | 15 | 24 | | | |
| DOUG FIR | 244.9 | 100.0 | 0 | 3 | 6 | | | |
| **TOTAL** | *66.3* | *27.1* | *181* | *248* | *315* | *176* | *44* | *20* |

| | COEFF | | BASAL AREA/ACRE | | | # OF PLOTS REQ. | | INF. POP. |
|---|---|---|---|---|---|---|---|---|
| SD: 1 | VAR.% | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 |
| WHEMLOCK | 56.5 | 23.0 | 128 | 167 | 205 | | | |
| S SPRUCE | 154.9 | 63.2 | 15 | 42 | 68 | | | |
| DOUG FIR | 244.9 | 100.0 | | 10 | 21 | | | |
| **TOTAL** | *43.3* | *17.7* | *180* | *219* | *257* | *75* | *19* | *8* |

| | COEFF | | NET BF/ACRE | | | # OF PLOTS REQ. | | INF. POP. |
|---|---|---|---|---|---|---|---|---|
| SD: 1 | VAR.% | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 |
| WHEMLOCK | 52.9 | 21.6 | 20,250 | 25,829 | 31,408 | | | |
| S SPRUCE | 154.9 | 63.2 | 3,936 | 10,709 | 17,482 | | | |
| DOUG FIR | 244.9 | 100.0 | | 2,739 | 5,479 | | | |
| **TOTAL** | *46.5* | *19.0* | *31,815* | *39,277* | *46,740* | *87* | *22* | *10* |

| | COEFF | | NET CUFT FT/ACRE | | | # OF PLOTS REQ. | | INF. POP. |
|---|---|---|---|---|---|---|---|---|
| SD: 1 | VAR.% | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 |
| WHEMLOCK | 52.2 | 21.3 | 4,294 | 5,456 | 6,618 | | | |
| S SPRUCE | 154.9 | 63.2 | 777 | 2,115 | 3,453 | | | |
| DOUG FIR | 244.9 | 100.0 | | 515 | 1,030 | | | |
| **TOTAL** | *44.8* | *18.3* | *6,608* | *8,087* | *9,565* | *80* | *20* | *9* |

TC PSTATS

# PROJECT STATISTICS

**PROJECT SHUWAJIG**



DATE 5/11/2004

| TWP | RGE | SC | TRACT | TYPE | ACRES | PLOTS | TREES | CuFt | BdFt |
|---|---|---|---|---|---|---|---|---|---|
| 29N | 13W | 01 | UNIT3 | 0003 | 5.60 | 6 | 21 | S | W |

TC PSPCTLTCM

# Species Summary - Trees, Logs, Tons, CCF, MBF

T29N R13W S01 Ty0003 5.6

**Project** **SHUWAJIG**
**Acres** **5.60**

**Page No** **1**
**Date:** **5/11/2004**
**Time** **3:04:50PM**

| Species | S T | Total Trees | Total Logs | Total Tons | Net Cubic Ft/ Tree | Net Cubic Ft/ Log | CF/ LF | Total CCF Gross | Total CCF Net | Total MBF Gross | Total MBF Net |
|---|---|---|---|---|---|---|---|---|---|---|---|
| WHEMLOCK | | 1,287 | 3,001 | 977 | 23.73 | 10.18 | 0.42 | 305 | 306 | 149 | 145 |
| S SPRUCE | | 84 | 275 | 307 | 141.85 | 43.11 | 1.54 | 118 | 118 | 64 | 60 |
| DOUG FIR | | 16 | 65 | 82 | 176.74 | 44.19 | 1.58 | 29 | 29 | 16 | 15 |
| **Totals** | | 1,387 | 3,341 | 1,366 | 32.64 | 13.55 | 0.56 | 452 | 453 | 229 | 220 |

| Wood Type Species | Total Trees | Total Logs | Total Tons | Net Cubic Ft/ Tree | Net Cubic Ft/ Log | CF/ LF | Total CCF Gross | Total CCF Net | Total MBF Gross | Total MBF Net |
|---|---|---|---|---|---|---|---|---|---|---|
| C | 1,387 | 3,341 | 1,366 | 32.64 | 13.55 | 0.56 | 452 | 453 | 229 | 220 |
| **Totals** | 1,387 | 3,341 | 1,366 | 32.64 | 13.55 | 0.56 | 452 | 453 | 229 | 220 |