

## **Appendix F**

### **Environmental Justice Data, High-tempo FCLP Year**

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Appendix F provides tables with detailed data used as part of the environmental justice analysis for the high-tempo Field Carrier Landing Practice (FCLP) year. These tables mirror the tables provided in Section 4.11 that provide data for the average year. Table F-1 shows the minority, Hispanic/Latino, and low-income populations in the census block groups affected by the Day-Night Average Sound Level (DNL) contours under the high-tempo FCLP year. Table F-2 shows the environmental justice communities affected by the DNL contours under the high-tempo FCLP year for the No Action Alternative. Tables F-3 through F-11 present estimates of the affected minority, Hispanic or Latino, and low-income populations under each alternative and scenario and compare these estimates to the No Action Alternative.

**Table F-1 Minority, Hispanic or Latino, and Low-Income Populations in Census Block Groups Underlying Ault Field and OLF Coupeville DNL Contours<sup>1</sup> for All Alternatives and Scenarios, High-Tempo FCLP Year**

| <i>Census Block Group</i>           | <i>Total Population<sup>2</sup></i> | <i>Percent Population Total Minority<sup>3</sup></i> | <i>Percent Population Hispanic or Latino<sup>4</sup></i> | <i>Percent Population below Poverty Level<sup>5</sup></i> |
|-------------------------------------|-------------------------------------|------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|
| <b><i>Island County</i></b>         | <b>78,506</b>                       | <b>13.9%</b>                                         | <b>5.5%</b>                                              | <b>8.0%</b>                                               |
| Block Group 1, Census Tract 9701    | 1,102                               | 16.5% <sup>6</sup>                                   | 4.3%                                                     | 14.1%                                                     |
| Block Group 2, Census Tract 9701    | 1,502                               | 11.3%                                                | 3.5%                                                     | 14.1%                                                     |
| Block Group 1, Census Tract 9702    | 1,633                               | 27.9%                                                | 12.8%                                                    | 23.4%                                                     |
| Block Group 1, Census Tract 9703    | 791                                 | 20.7%                                                | 9.4%                                                     | 4.4%                                                      |
| Block Group 2, Census Tract 9703    | 1,203                               | 10.4%                                                | 8.5%                                                     | 4.4%                                                      |
| Block Group 3, Census Tract 9703    | 1,044                               | 11.0%                                                | 4.4%                                                     | 4.4%                                                      |
| Block Group 4, Census Tract 9703    | 1,951                               | 9.0%                                                 | 4.1%                                                     | 4.4%                                                      |
| Block Group 1, Census Tract 9704    | 951                                 | 30.5%                                                | 14.2%                                                    | 8.6%                                                      |
| Block Group 2, Census Tract 9704    | 2,256                               | 27.2%                                                | 8.5%                                                     | 8.6%                                                      |
| Block Group 1, Census Tract 9706.01 | 1,299                               | 36.1%                                                | 9.9%                                                     | 11.2%                                                     |
| Block Group 2, Census Tract 9706.01 | 981                                 | 27.8%                                                | 6.6%                                                     | 11.2%                                                     |
| Block Group 3, Census Tract 9706.01 | 30.7%                               | 11.9%                                                | 11.2%                                                    | 24.0%                                                     |
| Block Group 1, Census Tract 9707    | 23.5%                               | 9.3%                                                 | 9.5%                                                     | 20.1%                                                     |
| Block Group 1, Census Tract 9708    | 1,484                               | 22.0%                                                | 6.7%                                                     | 8.7%                                                      |
| Block Group 2, Census Tract 9708    | 1,222                               | 24.0%                                                | 8.8%                                                     | 8.7%                                                      |
| Block Group 1, Census Tract 9710    | 1,470                               | 10.1%                                                | 4.7%                                                     | 6.3%                                                      |
| Block Group 1, Census Tract 9711    | 2,019                               | 11.2%                                                | 7.3%                                                     | 2.9%                                                      |
| Block Group 2, Census Tract 9711    | 1,270                               | 6.1%                                                 | 2.4%                                                     | 2.9%                                                      |
| Block Group 3, Census Tract 9713    | 1,762                               | 4.3%                                                 | 3.5%                                                     | 6.8%                                                      |
| <b><i>Skagit County</i></b>         | <b>116,901</b>                      | <b>16.6%</b>                                         | <b>16.9%</b>                                             | <b>11.7%</b>                                              |
| Block Group 1, Census Tract 9403    | 1,174                               | 4.4%                                                 | 3.4%                                                     | 6.2%                                                      |
| Block Group 1, Census Tract 9408    | 2,278                               | 31.0%                                                | 2.2%                                                     | 18.2%                                                     |
| Block Group 2, Census Tract 9521    | 658                                 | 10.3%                                                | 10.0%                                                    | 9.1%                                                      |
| Block Group 3, Census Tract 9527    | 906                                 | 10.6%                                                | 12.9%                                                    | 7.3%                                                      |

**Table F-1 Minority, Hispanic or Latino, and Low-Income Populations in Census Block Groups Underlying Ault Field and OLF Coupeville DNL Contours<sup>1</sup> for All Alternatives and Scenarios, High-Tempo FCLP Year**

| <i>Census Block Group</i> | <i>Total Population<sup>2</sup></i> | <i>Percent Population Total Minority<sup>3</sup></i> | <i>Percent Population Hispanic or Latino<sup>4</sup></i> | <i>Percent Population below Poverty Level<sup>5</sup></i> |
|---------------------------|-------------------------------------|------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|
|---------------------------|-------------------------------------|------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|

Sources: USCB 2012a, 2012b, 2012c, 2010d; USCB n.d.[a], n.d.[b], n.[c]

Notes:

- <sup>1</sup> DNL contours extend into Jefferson and San Juan Counties. However, because no permanent residences are located within these DNL contours, these counties have been excluded from the analysis. Populations on military properties with in the DNL contours (NAS Whidbey Island [Ault Field], the Seaplane Base, and OLF Coupeville) have also been excluded from the analysis.
- <sup>2</sup> Total population for each affected census block group is the total 2010 population for the entire census block group as reported by the U.S. Census Bureau. These figures may be greater than the total number of residents affected by the DNL contours because in many instances only a portion of the census block group falls under the DNL contours.
- <sup>3</sup> Minority is defined as individuals who are members of the following population groups: American Indian or Alaska Native, Asian, Native Hawaiian or Pacific Islander, or Black or African American.
- <sup>4</sup> Hispanic or Latino population is defined as individuals who self-identify as belonging to this ethnic group in U.S. Census surveys. This population definition is based on ethnicity and not race.
- <sup>5</sup> The analysis relied on poverty data from the 2006-2010 American Community Survey 5-Year Estimates because the U.S. Census Bureau no longer reports poverty data in the decennial census. The American Community Survey does not estimate data at the census block group level; therefore, the percent of the population below the poverty level is displayed in this table at the census tract level. Consequently, census block groups within the same census tract will report the same value.
- <sup>6</sup> The shaded cells indicate the census block groups that contain percentages of minority or Hispanic/Latino populations that are “meaningfully greater” than the community of comparison (i.e., the county within which the census block group is located) or that contain percentages of low-income populations that are greater than (or equal to) those in the community of comparison as a whole. These shaded cells indicate where environmental justice communities have been identified based on the indicated thresholds.

**Table F-2 Environmental Justice Populations at the NAS Whidbey Island Complex under the No Action Alternative, High-Tempo FCLP Year**

| <i>DNL Contours<sup>1</sup></i>              | <i>Total Affected Population<sup>2</sup></i> | <i>Total Minority Population<sup>3</sup></i> | <i>Percent Minority</i> | <i>Total Hispanic or Latino Origin<sup>4</sup></i> | <i>Percent Hispanic or Latino Origin</i> | <i>Total Low-Income Population<sup>5</sup></i> | <i>Percent Low Income</i> |
|----------------------------------------------|----------------------------------------------|----------------------------------------------|-------------------------|----------------------------------------------------|------------------------------------------|------------------------------------------------|---------------------------|
| <b>No Action Alternative</b>                 |                                              |                                              |                         |                                                    |                                          |                                                |                           |
| 65-70 DNL                                    | 4,141                                        | 865                                          | 20.9% <sup>6</sup>      | 307                                                | 7.4%                                     | 319                                            | 7.7%                      |
| 70-75 DNL                                    | 3,293                                        | 649                                          | 19.7%                   | 266                                                | 8.1%                                     | 233                                            | 7.1%                      |
| 75+ DNL                                      | 4,170                                        | 644                                          | 15.4%                   | 286                                                | 6.9%                                     | 355                                            | 8.5%                      |
| <b>Total Affected Population<sup>7</sup></b> | <b>11,604</b>                                | <b>2,158</b>                                 | <b>18.6%</b>            | <b>859</b>                                         | <b>7.4%</b>                              | <b>907</b>                                     | <b>7.8%</b>               |

Sources: USCB 2012a, 2012b, 2012c, 2010d; USCB n.d.[a], n.d.[b], n.d.[c]

Note:

- <sup>1</sup> DNL contours extend into Jefferson and San Juan Counties. However, because no permanent residences are located within these DNL contours, these counties have been excluded from the analysis. Populations on military properties within the DNL contours (NAS Whidbey Island [Ault Field], the Seaplane Base, and OLF Coupeville) have also been excluded from the analysis.
- <sup>2</sup> All population estimates for areas under the DNL contours utilized 2010 U.S. Census Bureau data. A 5.4-percent growth factor was applied to the 2010 census statistics to account for population changes between 2010 and 2020 based on medium forecasted population projections during that period (Washington State Office of Financial Management, 2012).
- <sup>3</sup> Minority is defined as individuals who are members of the following population groups: American Indian or Alaska Native, Asian, Native Hawaiian or Pacific Islander, or Black or African American.
- <sup>4</sup> Hispanic or Latino population is defined as individuals who self-identify as belonging to this ethnic group in U.S. Census surveys. This population definition is based on ethnicity and not race.
- <sup>5</sup> The analysis relied on poverty data from the 2006-2010 American Community Survey 5-Year Estimates because the U.S. Census Bureau no longer reports poverty data in the decennial census. The American Community Survey does not estimate data at the census block group level; therefore, the percent of the population below the poverty level is displayed in this table at the census tract level. Consequently, census block groups within the same census tract will report the same value.
- <sup>6</sup> The shaded cells indicate the alternatives/scenarios that contain percentages of minority or Hispanic/Latino populations that are “meaningfully greater” than those within Island County as a whole or that contain percentages of low-income populations that are greater than (or equal to) those within Island County. These shaded cells indicate where environmental justice communities have been identified based on the indicated thresholds.
- <sup>7</sup> Due to rounding, some totals may not sum.

**Table F-3 Environmental Justice Populations at the NAS Whidbey Island Complex under Alternative 1, Scenario A, High-Tempo FCLP Year**

| <i>DNL Contours<sup>1</sup></i>                                       | <i>Total Affected Population<sup>2</sup></i> | <i>Total Minority Population<sup>3</sup></i> | <i>Percent Minority</i> | <i>Total Hispanic or Latino Origin<sup>4</sup></i> | <i>Percent Hispanic or Latino Origin</i> | <i>Total Low-Income Population<sup>5</sup></i> | <i>Percent Low Income</i> |
|-----------------------------------------------------------------------|----------------------------------------------|----------------------------------------------|-------------------------|----------------------------------------------------|------------------------------------------|------------------------------------------------|---------------------------|
| <b>No Action Alternative</b>                                          |                                              |                                              |                         |                                                    |                                          |                                                |                           |
| 65-70 DNL                                                             | 4,141                                        | 865                                          | 20.9%                   | 307                                                | 7.4%                                     | 319                                            | 7.7%                      |
| 70-75 DNL                                                             | 3,293                                        | 649                                          | 19.7%                   | 266                                                | 8.1%                                     | 233                                            | 7.1%                      |
| 75+ DNL                                                               | 4,170                                        | 644                                          | 15.4%                   | 286                                                | 6.9%                                     | 355                                            | 8.5%                      |
| <b>Total Affected Population</b>                                      | <b>11,604</b>                                | <b>2,158</b>                                 | <b>18.6%</b>            | <b>859</b>                                         | <b>7.4%</b>                              | <b>907</b>                                     | <b>7.8%</b>               |
| <b>Alternative 1A</b>                                                 |                                              |                                              |                         |                                                    |                                          |                                                |                           |
| 65-70 DNL                                                             | 4,355                                        | 917                                          | 21.1% <sup>6</sup>      | 331                                                | 7.6%                                     | 355                                            | 8.2%                      |
| 70-75 DNL                                                             | 2,958                                        | 563                                          | 19.0%                   | 222                                                | 7.5%                                     | 212                                            | 7.2%                      |
| 75+ DNL                                                               | 5,734                                        | 747                                          | 13.0%                   | 354                                                | 6.2%                                     | 393                                            | 6.9%                      |
| <b>Total Affected Population</b>                                      | <b>13,047</b>                                | <b>2,227</b>                                 | <b>17.1%</b>            | <b>907</b>                                         | <b>7.0%</b>                              | <b>960</b>                                     | <b>7.4%</b>               |
| <b>Population Change from No Action Alternative</b>                   |                                              |                                              |                         |                                                    |                                          |                                                |                           |
| 65-70 DNL                                                             | 214                                          | 52                                           |                         | 24                                                 |                                          | 36                                             |                           |
| 70-75 DNL                                                             | -335                                         | -86                                          |                         | -44                                                |                                          | -21                                            |                           |
| 75+ DNL                                                               | 1,564                                        | 103                                          |                         | 68                                                 |                                          | 38                                             |                           |
| <b>Total Population Change from No Action Alternative<sup>7</sup></b> | <b>1,443</b>                                 | <b>69</b>                                    | <b>4.8%</b>             | <b>48</b>                                          | <b>3.3%</b>                              | <b>53</b>                                      | <b>3.7%</b>               |

Sources: USCB 2012a, 2012b, 2012c, 2012d; USCB n.d.[a], n.d.[b], n.d.[c]

Note:

- <sup>1</sup> DNL contours extend into Jefferson and San Juan Counties. However, because no permanent residences are located within these DNL contours, these counties have been excluded from the analysis. Populations on military properties within the DNL contours (NAS Whidbey Island [Ault Field], the Seaplane Base, and OLF Coupeville) have also been excluded from the analysis.
- <sup>2</sup> All population estimates for areas under the DNL contours utilized 2010 U.S. Census Bureau data. A 5.4-percent growth factor was applied to the 2010 census statistics to account for population changes between 2010 and 2020 based on medium forecasted population projections during that period (Washington State Office of Financial Management, 2012).
- <sup>3</sup> Minority is defined as individuals who are members of the following population groups: American Indian or Alaska Native, Asian, Native Hawaiian or Pacific Islander, or Black or African American.
- <sup>4</sup> Hispanic or Latino population is defined as individuals who self-identify as belonging to this ethnic group in U.S. Census surveys. This population definition is based on ethnicity and not race.
- <sup>5</sup> The analysis relied on poverty data from the 2006-2010 American Community Survey 5-Year Estimates because the U.S. Census Bureau no longer reports poverty data in the decennial census. The American Community Survey does not estimate data at the census block group level; therefore, the percent of the population below the poverty level is displayed in this table at the census tract level. Consequently, census block groups within the same census tract will report the same value.
- <sup>6</sup> The shaded cells indicate the alternatives/scenarios that contain percentages of minority or Hispanic/Latino populations that are “meaningfully greater” than those within Island County as a whole or that contain percentages of low-income populations that are greater than (or equal to) those within Island County. These shaded cells indicate where environmental justice communities have been identified based on the indicated thresholds.
- <sup>7</sup> Due to rounding, some totals may not sum.

**Table F-4 Environmental Justice Populations at the NAS Whidbey Island Complex under Alternative 1, Scenario B, High-Tempo FCLP Year**

| <i>DNL Contours<sup>1</sup></i>                                       | <i>Total Affected Population<sup>2</sup></i> | <i>Total Minority Population<sup>3</sup></i> | <i>Percent Minority</i> | <i>Total Hispanic or Latino Origin<sup>4</sup></i> | <i>Percent Hispanic or Latino Origin</i> | <i>Total Low-Income Population<sup>5</sup></i> | <i>Percent Low Income</i> |
|-----------------------------------------------------------------------|----------------------------------------------|----------------------------------------------|-------------------------|----------------------------------------------------|------------------------------------------|------------------------------------------------|---------------------------|
| <b><i>No Action Alternative</i></b>                                   |                                              |                                              |                         |                                                    |                                          |                                                |                           |
| 65-70 DNL                                                             | 4,141                                        | 865                                          | 20.9%                   | 307                                                | 7.4%                                     | 319                                            | 7.7%                      |
| 70-75 DNL                                                             | 3,293                                        | 649                                          | 19.7%                   | 266                                                | 8.1%                                     | 233                                            | 7.1%                      |
| 75+ DNL                                                               | 4,170                                        | 644                                          | 15.4%                   | 286                                                | 6.9%                                     | 355                                            | 8.5%                      |
| <b>Total Affected Population</b>                                      | <b>11,604</b>                                | <b>2,158</b>                                 | <b>18.6%</b>            | <b>859</b>                                         | <b>7.4%</b>                              | <b>907</b>                                     | <b>7.8%</b>               |
| <b><i>Alternative 1B</i></b>                                          |                                              |                                              |                         |                                                    |                                          |                                                |                           |
| 65-70 DNL                                                             | 4,359                                        | 982                                          | 22.5% <sup>6</sup>      | 337                                                | 7.7%                                     | 368                                            | 8.4%                      |
| 70-75 DNL                                                             | 3,505                                        | 659                                          | 18.8%                   | 261                                                | 7.4%                                     | 239                                            | 6.8%                      |
| 75+ DNL                                                               | 5,646                                        | 799                                          | 14.2%                   | 367                                                | 6.5%                                     | 416                                            | 7.4%                      |
| <b>Total Affected Population</b>                                      | <b>13,510</b>                                | <b>2,440</b>                                 | <b>18.1%</b>            | <b>965</b>                                         | <b>7.1%</b>                              | <b>1,023</b>                                   | <b>7.6%</b>               |
| <b><i>Population Change from No Action Alternative</i></b>            |                                              |                                              |                         |                                                    |                                          |                                                |                           |
| 65-70 DNL                                                             | 218                                          | 117                                          | -                       | 30                                                 | -                                        | 49                                             | -                         |
| 70-75 DNL                                                             | 212                                          | 10                                           | -                       | -5                                                 | -                                        | 6                                              | -                         |
| 75+ DNL                                                               | 1,476                                        | 155                                          | -                       | 81                                                 | -                                        | 61                                             | -                         |
| <b>Total Population Change from No Action Alternative<sup>7</sup></b> | <b>1,906</b>                                 | <b>282</b>                                   | <b>14.8%</b>            | <b>106</b>                                         | <b>5.6%</b>                              | <b>116</b>                                     | <b>6.1%</b>               |

Sources: USCB 2012a, 2012b, 2012c, 2012d; USCB n.d.[a], n.d.[b], n.d.[c]

Note:

- <sup>1</sup> DNL contours extend into Jefferson and San Juan Counties. However, because no permanent residences are located within these DNL contours, these counties have been excluded from the analysis. Populations on military properties within the DNL contours (NAS Whidbey Island [Ault Field], the Seaplane Base, and OLF Coupeville) have also been excluded from the analysis.
- <sup>2</sup> All population estimates for areas under the DNL contours utilized 2010 U.S. Census Bureau data. A 5.4-percent growth factor was applied to the 2010 census statistics to account for population changes between 2010 and 2020 based on medium forecasted population projections during that period (Washington State Office of Financial Management, 2012).
- <sup>3</sup> Minority is defined as individuals who are members of the following population groups: American Indian or Alaska Native, Asian, Native Hawaiian or Pacific Islander, or Black or African American.
- <sup>4</sup> Hispanic or Latino population is defined as individuals who self-identify as belonging to this ethnic group in U.S. Census surveys. This population definition is based on ethnicity and not race.
- <sup>5</sup> The analysis relied on poverty data from the 2006-2010 American Community Survey 5-Year Estimates because the U.S. Census Bureau no longer reports poverty data in the decennial census. The American Community Survey does not estimate data at the census block group level; therefore, the percent of the population below the poverty level is displayed in this table at the census tract level. Consequently, census block groups within the same census tract will report the same value.
- <sup>6</sup> The shaded cells indicate the alternatives/scenarios that contain percentages of minority or Hispanic/Latino populations that are “meaningfully greater” than those within Island County as a whole or that contain percentages of low-income populations that are greater than (or equal to) those within Island County. These shaded cells indicate where environmental justice communities have been identified based on the indicated thresholds.
- <sup>7</sup> Due to rounding, some totals may not sum.

**Table F-5 Environmental Justice Populations at the NAS Whidbey Island Complex under Alternative 1, Scenario C, High-Tempo FCLP Year**

| <i>DNL Contours<sup>1</sup></i>                                       | <i>Total Affected Population<sup>2</sup></i> | <i>Total Minority Population<sup>3</sup></i> | <i>Percent Minority</i> | <i>Total Hispanic or Latino Origin<sup>4</sup></i> | <i>Percent Hispanic or Latino Origin</i> | <i>Total Low-Income Population<sup>5</sup></i> | <i>Percent Low Income</i> |
|-----------------------------------------------------------------------|----------------------------------------------|----------------------------------------------|-------------------------|----------------------------------------------------|------------------------------------------|------------------------------------------------|---------------------------|
| <b><i>No Action Alternative</i></b>                                   |                                              |                                              |                         |                                                    |                                          |                                                |                           |
| 65-70 DNL                                                             | 4,141                                        | 865                                          | 20.9%                   | 307                                                | 7.4%                                     | 319                                            | 7.7%                      |
| 70-75 DNL                                                             | 3,293                                        | 649                                          | 19.7%                   | 266                                                | 8.1%                                     | 233                                            | 7.1%                      |
| 75+ DNL                                                               | 4,170                                        | 644                                          | 15.4%                   | 286                                                | 6.9%                                     | 355                                            | 8.5%                      |
| <b>Total Affected Population</b>                                      | <b>11,604</b>                                | <b>2,158</b>                                 | <b>18.6%</b>            | <b>859</b>                                         | <b>7.4%</b>                              | <b>907</b>                                     | <b>7.8%</b>               |
| <b><i>Alternative 1C</i></b>                                          |                                              |                                              |                         |                                                    |                                          |                                                |                           |
| 65-70 DNL                                                             | 5,183                                        | 1,126                                        | 21.7% <sup>6</sup>      | 390                                                | 7.5%                                     | 411                                            | 7.9%                      |
| 70-75 DNL                                                             | 3,400                                        | 637                                          | 18.7%                   | 255                                                | 7.5%                                     | 229                                            | 6.7%                      |
| 75+ DNL                                                               | 5,223                                        | 825                                          | 15.8%                   | 359                                                | 6.9%                                     | 433                                            | 8.3%                      |
| <b>Total Affected Population</b>                                      | <b>13,806</b>                                | <b>2,588</b>                                 | <b>18.7%</b>            | <b>1,004</b>                                       | <b>7.3%</b>                              | <b>1,073</b>                                   | <b>7.8%</b>               |
| <b><i>Population Change from No Action Alternative</i></b>            |                                              |                                              |                         |                                                    |                                          |                                                |                           |
| 65-70 DNL                                                             | 1,042                                        | 261                                          | -                       | 83                                                 | -                                        | 92                                             | -                         |
| 70-75 DNL                                                             | 107                                          | -12                                          | -                       | -11                                                | -                                        | -4                                             | -                         |
| 75+ DNL                                                               | 1,053                                        | 181                                          | -                       | 73                                                 | -                                        | 78                                             | -                         |
| <b>Total Population Change from No Action Alternative<sup>7</sup></b> | <b>2,202</b>                                 | <b>430</b>                                   | <b>19.5%</b>            | <b>145</b>                                         | <b>6.6%</b>                              | <b>166</b>                                     | <b>7.5%</b>               |

Sources: USCB 2012a, 2012b, 2012c, 2012d; USCB n.d.[a], n.d.[b], n.d.[c].

Note:

- <sup>1</sup> DNL contours extend into Jefferson and San Juan Counties. However, because no permanent residences are located within these DNL contours, these counties have been excluded from the analysis. Populations on military properties within the DNL contours (NAS Whidbey Island [Ault Field], the Seaplane Base, and OLF Coupeville) have also been excluded from the analysis.
- <sup>2</sup> All population estimates for areas under the DNL contours utilized 2010 U.S. Census Bureau data. A 5.4-percent growth factor was applied to the 2010 census statistics to account for population changes between 2010 and 2020 based on medium forecasted population projections during that period (Washington State Office of Financial Management, 2012).
- <sup>3</sup> Minority is defined as individuals who are members of the following population groups: American Indian or Alaska Native, Asian, Native Hawaiian or Pacific Islander, or Black or African American.
- <sup>4</sup> Hispanic or Latino population is defined as individuals who self-identify as belonging to this ethnic group in U.S. Census surveys. This population definition is based on ethnicity and not race.
- <sup>5</sup> The analysis relied on poverty data from the 2006-2010 American Community Survey 5-Year Estimates because the U.S. Census Bureau no longer reports poverty data in the decennial census. The American Community Survey does not estimate data at the census block group level; therefore, the percent of the population below the poverty level is displayed in this table at the census tract level. Consequently, census block groups within the same census tract will report the same value.
- <sup>6</sup> The shaded cells indicate the alternatives/scenarios that contain percentages of minority or Hispanic/Latino populations that are “meaningfully greater” than those within Island County as a whole or that contain percentages of low-income populations that are greater than (or equal to) those within Island County. These shaded cells indicate where environmental justice communities have been identified based on the indicated thresholds.
- <sup>7</sup> Due to rounding, some totals may not sum.



**Table F-6 Environmental Justice Populations at the NAS Whidbey Island Complex under Alternative 2, Scenario A, High-Tempo FCLP Year**

| <i>DNL Contours<sup>1</sup></i>                                       | <i>Total Affected Population<sup>2</sup></i> | <i>Total Minority Population<sup>3</sup></i> | <i>Percent Minority</i> | <i>Total Hispanic or Latino Origin<sup>4</sup></i> | <i>Percent Hispanic or Latino Origin</i> | <i>Total Low-Income Population<sup>5</sup></i> | <i>Percent Low Income</i> |
|-----------------------------------------------------------------------|----------------------------------------------|----------------------------------------------|-------------------------|----------------------------------------------------|------------------------------------------|------------------------------------------------|---------------------------|
| <b>No Action Alternative</b>                                          |                                              |                                              |                         |                                                    |                                          |                                                |                           |
| 65-70 DNL                                                             | 4,141                                        | 865                                          | 20.9%                   | 307                                                | 7.4%                                     | 319                                            | 7.7%                      |
| 70-75 DNL                                                             | 3,293                                        | 649                                          | 19.7%                   | 266                                                | 8.1%                                     | 233                                            | 7.1%                      |
| 75+ DNL                                                               | 4,170                                        | 644                                          | 15.4%                   | 286                                                | 6.9%                                     | 355                                            | 8.5%                      |
| <b>Total Affected Population</b>                                      | <b>11,604</b>                                | <b>2,158</b>                                 | <b>18.6%</b>            | <b>859</b>                                         | <b>7.4%</b>                              | <b>907</b>                                     | <b>7.8%</b>               |
| <b>Alternative 2A</b>                                                 |                                              |                                              |                         |                                                    |                                          |                                                |                           |
| 65-70 DNL                                                             | 4,264                                        | 902                                          | 21.2% <sup>6</sup>      | 326                                                | 7.6%                                     | 348                                            | 8.2%                      |
| 70-75 DNL                                                             | 2,985                                        | 551                                          | 18.5%                   | 219                                                | 7.3%                                     | 209                                            | 7.0%                      |
| 75+ DNL                                                               | 5,554                                        | 728                                          | 13.1%                   | 345                                                | 6.2%                                     | 385                                            | 6.9%                      |
| <b>Total Affected Population</b>                                      | <b>12,803</b>                                | <b>2,181</b>                                 | <b>17.0%</b>            | <b>890</b>                                         | <b>7.0%</b>                              | <b>942</b>                                     | <b>7.4%</b>               |
| <b>Population Change from No Action Alternative</b>                   |                                              |                                              |                         |                                                    |                                          |                                                |                           |
| 65-70 DNL                                                             | 123                                          | 37                                           | -                       | 19                                                 | -                                        | 29                                             | -                         |
| 70-75 DNL                                                             | -308                                         | -98                                          | -                       | -47                                                | -                                        | -24                                            | -                         |
| 75+ DNL                                                               | 1,384                                        | 84                                           | -                       | 59                                                 | -                                        | 30                                             | -                         |
| <b>Total Population Change from No Action Alternative<sup>7</sup></b> | <b>1,199</b>                                 | <b>23</b>                                    | <b>1.9%</b>             | <b>31</b>                                          | <b>2.6%</b>                              | <b>35</b>                                      | <b>2.9%</b>               |

Sources: USCB 2012a, 2012b, 2012c, 2012d; USCB n.d.[a], n.d.[b], n.d.[c]

Note:

- <sup>1</sup> DNL contours extend into Jefferson and San Juan Counties. However, because no permanent residences are located within these DNL contours, these counties have been excluded from the analysis. Populations on military properties within the DNL contours (NAS Whidbey Island [Ault Field], the Seaplane Base, and OLF Coupeville) have also been excluded from the analysis.
- <sup>2</sup> All population estimates for areas under the DNL contours utilized 2010 U.S. Census Bureau data. A 5.4-percent growth factor was applied to the 2010 census statistics to account for population changes between 2010 and 2020 based on medium forecasted population projections during that period (Washington State Office of Financial Management, 2012).
- <sup>3</sup> Minority is defined as individuals who are members of the following population groups: American Indian or Alaska Native, Asian, Native Hawaiian or Pacific Islander, or Black or African American.
- <sup>4</sup> Hispanic or Latino population is defined as individuals who self-identify as belonging to this ethnic group in U.S. Census surveys. This population definition is based on ethnicity and not race.
- <sup>5</sup> The analysis relied on poverty data from the 2006-2010 American Community Survey 5-Year Estimates because the U.S. Census Bureau no longer reports poverty data in the decennial census. The American Community Survey does not estimate data at the census block group level; therefore, the percent of the population below the poverty level is displayed in this table at the census tract level. Consequently, census block groups within the same census tract will report the same value.
- <sup>6</sup> The shaded cells indicate the alternatives/scenarios that contain percentages of minority or Hispanic/Latino populations that are “meaningfully greater” than those within Island County as a whole or that contain percentages of low-income populations that are greater than (or equal to) those within Island County. These shaded cells indicate where environmental justice communities have been identified based on the indicated thresholds.
- <sup>7</sup> Due to rounding, some totals may not sum.

**Table F-7 Environmental Justice Populations at the NAS Whidbey Island Complex under Alternative 2, Scenario B, High-Tempo FCLP Year**

| <i>DNL Contours<sup>1</sup></i>                                       | <i>Total Affected Population<sup>2</sup></i> | <i>Total Minority Population<sup>3</sup></i> | <i>Percent Minority</i> | <i>Total Hispanic or Latino Origin<sup>4</sup></i> | <i>Percent Hispanic or Latino Origin</i> | <i>Total Low-Income Population<sup>5</sup></i> | <i>Percent Low Income</i> |
|-----------------------------------------------------------------------|----------------------------------------------|----------------------------------------------|-------------------------|----------------------------------------------------|------------------------------------------|------------------------------------------------|---------------------------|
| <b>No Action Alternative</b>                                          |                                              |                                              |                         |                                                    |                                          |                                                |                           |
| 65-70 DNL                                                             | 4,141                                        | 865                                          | 20.9%                   | 307                                                | 7.4%                                     | 319                                            | 7.7%                      |
| 70-75 DNL                                                             | 3,293                                        | 649                                          | 19.7%                   | 266                                                | 8.1%                                     | 233                                            | 7.1%                      |
| 75+ DNL                                                               | 4,170                                        | 644                                          | 15.4%                   | 286                                                | 6.9%                                     | 355                                            | 8.5%                      |
| <b>Total Affected Population</b>                                      | <b>11,604</b>                                | <b>2,158</b>                                 | <b>18.6%</b>            | <b>859</b>                                         | <b>7.4%</b>                              | <b>907</b>                                     | <b>7.8%</b>               |
| <b>Alternative 2B</b>                                                 |                                              |                                              |                         |                                                    |                                          |                                                |                           |
| 65-70 DNL                                                             | 4,355                                        | 980                                          | 22.5% <sup>6</sup>      | 336                                                | 7.7%                                     | 367                                            | 8.4%                      |
| 70-75 DNL                                                             | 3,547                                        | 663                                          | 18.7%                   | 264                                                | 7.4%                                     | 241                                            | 6.8%                      |
| 75+ DNL                                                               | 5,545                                        | 792                                          | 14.3%                   | 363                                                | 6.5%                                     | 413                                            | 7.4%                      |
| <b>Total Affected Population</b>                                      | <b>13,447</b>                                | <b>2,435</b>                                 | <b>18.1%</b>            | <b>963</b>                                         | <b>7.2%</b>                              | <b>1,021</b>                                   | <b>7.6%</b>               |
| <b>Population Change from No Action Alternative</b>                   |                                              |                                              |                         |                                                    |                                          |                                                |                           |
| 65-70 DNL                                                             | 214                                          | 115                                          | -                       | 29                                                 | -                                        | 48                                             | -                         |
| 70-75 DNL                                                             | 254                                          | 14                                           | -                       | -2                                                 | -                                        | 8                                              | -                         |
| 75+ DNL                                                               | 1,375                                        | 148                                          | -                       | 77                                                 | -                                        | 58                                             | -                         |
| <b>Total Population Change from No Action Alternative<sup>7</sup></b> | <b>1,843</b>                                 | <b>277</b>                                   | <b>15.0%</b>            | <b>104</b>                                         | <b>5.6%</b>                              | <b>114</b>                                     | <b>6.2%</b>               |

Sources: USCB 2012a, 2012b, 2012c, 2012d; USCB n.d.[a], n.d.[b], n.d.[c]

Note:

- <sup>1</sup> DNL contours extend into Jefferson and San Juan Counties. However, because no permanent residences are located within these DNL contours, these counties have been excluded from the analysis. Populations on military properties within the DNL contours (NAS Whidbey Island [Ault Field], the Seaplane Base, and OLF Coupeville) have also been excluded from the analysis.
- <sup>2</sup> All population estimates for areas under the DNL contours utilized 2010 U.S. Census Bureau data. A 5.4-percent growth factor was applied to the 2010 census statistics to account for population changes between 2010 and 2020 based on medium forecasted population projections during that period (Washington State Office of Financial Management, 2012).
- <sup>3</sup> Minority is defined as individuals who are members of the following population groups: American Indian or Alaska Native, Asian, Native Hawaiian or Pacific Islander, or Black or African American.
- <sup>4</sup> Hispanic or Latino population is defined as individuals who self-identify as belonging to this ethnic group in U.S. Census surveys. This population definition is based on ethnicity and not race.
- <sup>5</sup> The analysis relied on poverty data from the 2006-2010 American Community Survey 5-Year Estimates because the U.S. Census Bureau no longer reports poverty data in the decennial census. The American Community Survey does not estimate data at the census block group level; therefore, the percent of the population below the poverty level is displayed in this table at the census tract level. Consequently, census block groups within the same census tract will report the same value.
- <sup>6</sup> The shaded cells indicate the alternatives/scenarios that contain percentages of minority or Hispanic/Latino populations that are “meaningfully greater” than those within Island County as a whole or that contain percentages of low-income populations that are greater than (or equal to) those within Island County. These shaded cells indicate where environmental justice communities have been identified based on the indicated thresholds.
- <sup>7</sup> Due to rounding, some totals may not sum.

**Table F-8 Environmental Justice Populations at the NAS Whidbey Island Complex under Alternative 2, Scenario C, High-Tempo FCLP Year**

| <i>DNL Contours<sup>1</sup></i>                                       | <i>Total Affected Population<sup>2</sup></i> | <i>Total Minority Population<sup>3</sup></i> | <i>Percent Minority</i> | <i>Total Hispanic or Latino Origin<sup>4</sup></i> | <i>Percent Hispanic or Latino Origin</i> | <i>Total Low-Income Population<sup>5</sup></i> | <i>Percent Low Income</i> |
|-----------------------------------------------------------------------|----------------------------------------------|----------------------------------------------|-------------------------|----------------------------------------------------|------------------------------------------|------------------------------------------------|---------------------------|
| <b>No Action Alternative</b>                                          |                                              |                                              |                         |                                                    |                                          |                                                |                           |
| 65-70 DNL                                                             | 4,141                                        | 865                                          | 20.9%                   | 307                                                | 7.4%                                     | 319                                            | 7.7%                      |
| 70-75 DNL                                                             | 3,293                                        | 649                                          | 19.7%                   | 266                                                | 8.1%                                     | 233                                            | 7.1%                      |
| 75+ DNL                                                               | 4,170                                        | 644                                          | 15.4%                   | 286                                                | 6.9%                                     | 355                                            | 8.5%                      |
| <b>Total Affected Population</b>                                      | <b>11,604</b>                                | <b>2,158</b>                                 | <b>18.6%</b>            | <b>859</b>                                         | <b>7.4%</b>                              | <b>907</b>                                     | <b>7.8%</b>               |
| <b>Alternative 2C</b>                                                 |                                              |                                              |                         |                                                    |                                          |                                                |                           |
| 65-70 DNL                                                             | 5,055                                        | 1,088                                        | 21.5% <sup>6</sup>      | 380                                                | 7.5%                                     | 398                                            | 7.9%                      |
| 70-75 DNL                                                             | 3,454                                        | 650                                          | 18.8%                   | 260                                                | 7.5%                                     | 234                                            | 6.8%                      |
| 75+ DNL                                                               | 5,056                                        | 779                                          | 15.4%                   | 343                                                | 6.8%                                     | 416                                            | 8.2%                      |
| <b>Total Affected Population</b>                                      | <b>13,565</b>                                | <b>2,517</b>                                 | <b>18.6%</b>            | <b>983</b>                                         | <b>7.2%</b>                              | <b>1,048</b>                                   | <b>7.7%</b>               |
| <b>Population Change from No Action Alternative</b>                   |                                              |                                              |                         |                                                    |                                          |                                                |                           |
| 65-70 DNL                                                             | 914                                          | 223                                          | -                       | 73                                                 | -                                        | 79                                             | -                         |
| 70-75 DNL                                                             | 161                                          | 1                                            | -                       | -6                                                 | -                                        | 1                                              | -                         |
| 75+ DNL                                                               | 886                                          | 135                                          | -                       | 57                                                 | -                                        | 61                                             | -                         |
| <b>Total Population Change from No Action Alternative<sup>7</sup></b> | <b>1,961</b>                                 | <b>359</b>                                   | <b>18.3%</b>            | <b>124</b>                                         | <b>6.3%</b>                              | <b>141</b>                                     | <b>7.2%</b>               |

Sources: USCB 2012a, 2012b, 2012c, 2012d; USCB n.d.[a], n.d.[b], n.d.[c]

Note:

- <sup>1</sup> DNL contours extend into Jefferson and San Juan Counties. However, because no permanent residences are located within these DNL contours, these counties have been excluded from the analysis. Populations on military properties within the DNL contours (NAS Whidbey Island [Ault Field], the Seaplane Base, and OLF Coupeville) have also been excluded from the analysis.
- <sup>2</sup> All population estimates for areas under the DNL contours utilized 2010 U.S. Census Bureau data. A 5.4-percent growth factor was applied to the 2010 census statistics to account for population changes between 2010 and 2020 based on medium forecasted population projections during that period (Washington State Office of Financial Management, 2012).
- <sup>3</sup> Minority is defined as individuals who are members of the following population groups: American Indian or Alaska Native, Asian, Native Hawaiian or Pacific Islander, or Black or African American.
- <sup>4</sup> Hispanic or Latino population is defined as individuals who self-identify as belonging to this ethnic group in U.S. Census surveys. This population definition is based on ethnicity and not race.
- <sup>5</sup> The analysis relied on poverty data from the 2006-2010 American Community Survey 5-Year Estimates because the U.S. Census Bureau no longer reports poverty data in the decennial census. The American Community Survey does not estimate data at the census block group level; therefore, the percent of the population below the poverty level is displayed in this table at the census tract level. Consequently, census block groups within the same census tract will report the same value.
- <sup>6</sup> The shaded cells indicate the alternatives/scenarios that contain percentages of minority or Hispanic/Latino populations that are “meaningfully greater” than those within Island County as a whole or that contain percentages of low-income populations that are greater than (or equal to) those within Island County. These shaded cells indicate where environmental justice communities have been identified based on the indicated thresholds.
- <sup>7</sup> Due to rounding, some totals may not sum.

**Table F-9 Environmental Justice Populations at the NAS Whidbey Island Complex under Alternative 3, Scenario A, High-Tempo FCLP Year**

| <i>DNL Contours<sup>1</sup></i>                                 | <i>Total Affected Population<sup>2</sup></i> | <i>Total Minority Population<sup>3</sup></i> | <i>Percent Minority</i> | <i>Total Hispanic or Latino Origin<sup>4</sup></i> | <i>Percent Hispanic or Latino Origin</i> | <i>Total Low-Income Population<sup>5</sup></i> | <i>Percent Low Income</i> |
|-----------------------------------------------------------------|----------------------------------------------|----------------------------------------------|-------------------------|----------------------------------------------------|------------------------------------------|------------------------------------------------|---------------------------|
| <b>No Action Alternative</b>                                    |                                              |                                              |                         |                                                    |                                          |                                                |                           |
| 65-70 DNL                                                       | 4,141                                        | 865                                          | 20.9%                   | 307                                                | 7.4%                                     | 319                                            | 7.7%                      |
| 70-75 DNL                                                       | 3,293                                        | 649                                          | 19.7%                   | 266                                                | 8.1%                                     | 233                                            | 7.1%                      |
| 75+ DNL                                                         | 4,170                                        | 644                                          | 15.4%                   | 286                                                | 6.9%                                     | 355                                            | 8.5%                      |
| <b>Total Affected Population</b>                                | <b>11,604</b>                                | <b>2,158</b>                                 | <b>18.6%</b>            | <b>859</b>                                         | <b>7.4%</b>                              | <b>907</b>                                     | <b>7.8%</b>               |
| <b>Alternative 3A</b>                                           |                                              |                                              |                         |                                                    |                                          |                                                |                           |
| 65-70 DNL                                                       | 4,348                                        | 917                                          | 21.1% <sup>6</sup>      | 331                                                | 7.6%                                     | 355                                            | 8.2%                      |
| 70-75 DNL                                                       | 2,970                                        | 560                                          | 18.9%                   | 221                                                | 7.4%                                     | 212                                            | 7.1%                      |
| 75+ DNL                                                         | 5,675                                        | 740                                          | 13.0%                   | 351                                                | 6.2%                                     | 390                                            | 6.9%                      |
| <b>Total Affected Population</b>                                | <b>12,993</b>                                | <b>2,217</b>                                 | <b>17.1%</b>            | <b>903</b>                                         | <b>6.9%</b>                              | <b>957</b>                                     | <b>7.4%</b>               |
| <b>Population Change from No Action Alternative</b>             |                                              |                                              |                         |                                                    |                                          |                                                |                           |
| 65-70 DNL                                                       | 207                                          | 52                                           | -                       | 24                                                 | -                                        | 36                                             | -                         |
| 70-75 DNL                                                       | -323                                         | -89                                          | -                       | -45                                                | -                                        | -21                                            | -                         |
| 75+ DNL                                                         | 1,505                                        | 96                                           | -                       | 65                                                 | -                                        | 35                                             | -                         |
| <b>Population Change from No Action Alternative<sup>7</sup></b> | <b>1,389</b>                                 | <b>59</b>                                    | <b>4.2%</b>             | <b>44</b>                                          | <b>3.2%</b>                              | <b>50</b>                                      | <b>3.6%</b>               |

Sources: USCB 2012a, 2012b, 2012c, 2012d; USCB n.d.[a], n.d.[b], n.d.[c]

Note:

- <sup>1</sup> DNL contours extend into Jefferson and San Juan Counties. However, because no permanent residences are located within these DNL contours, these counties have been excluded from the analysis. Populations on military properties within the DNL contours (NAS Whidbey Island [Ault Field], the Seaplane Base, and OLF Coupeville) have also been excluded from the analysis.
- <sup>2</sup> All population estimates for areas under the DNL contours utilized 2010 U.S. Census Bureau data. A 5.4-percent growth factor was applied to the 2010 census statistics to account for population changes between 2010 and 2020 based on medium forecasted population projections during that period (Washington State Office of Financial Management, 2012).
- <sup>3</sup> Minority is defined as individuals who are members of the following population groups: American Indian or Alaska Native, Asian, Native Hawaiian or Pacific Islander, or Black or African American.
- <sup>4</sup> Hispanic or Latino population is defined as individuals who self-identify as belonging to this ethnic group in U.S. Census surveys. This population definition is based on ethnicity and not race.
- <sup>5</sup> The analysis relied on poverty data from the 2006-2010 American Community Survey 5-Year Estimates because the U.S. Census Bureau no longer reports poverty data in the decennial census. The American Community Survey does not estimate data at the census block group level; therefore, the percent of the population below the poverty level is displayed in this table at the census tract level. Consequently, census block groups within the same census tract will report the same value.
- <sup>6</sup> The shaded cells indicate the alternatives/scenarios that contain percentages of minority or Hispanic/Latino populations that are “meaningfully greater” than those within Island County as a whole or that contain percentages of low-income populations that are greater than (or equal to) those within Island County. These shaded cells indicate where environmental justice communities have been identified based on the indicated thresholds.
- <sup>7</sup> Due to rounding, some totals may not sum.

**Table F-10 Environmental Justice Populations at the NAS Whidbey Island Complex under Alternative 3, Scenario B, High-Tempo FCLP Year**

| <i>DNL Contours<sup>1</sup></i>                                       | <i>Total Affected Population<sup>2</sup></i> | <i>Total Minority Population<sup>3</sup></i> | <i>Percent Minority</i> | <i>Total Hispanic or Latino Origin<sup>4</sup></i> | <i>Percent Hispanic or Latino Origin</i> | <i>Total Low-Income Population<sup>5</sup></i> | <i>Percent Low Income</i> |
|-----------------------------------------------------------------------|----------------------------------------------|----------------------------------------------|-------------------------|----------------------------------------------------|------------------------------------------|------------------------------------------------|---------------------------|
| <b>No Action Alternative</b>                                          |                                              |                                              |                         |                                                    |                                          |                                                |                           |
| 65-70 DNL                                                             | 4,141                                        | 865                                          | 20.9%                   | 307                                                | 7.4%                                     | 319                                            | 7.7%                      |
| 70-75 DNL                                                             | 3,293                                        | 649                                          | 19.7%                   | 266                                                | 8.1%                                     | 233                                            | 7.1%                      |
| 75+ DNL                                                               | 4,170                                        | 644                                          | 15.4%                   | 286                                                | 6.9%                                     | 355                                            | 8.5%                      |
| <b>Total Affected Population</b>                                      | <b>11,604</b>                                | <b>2,158</b>                                 | <b>18.6%</b>            | <b>859</b>                                         | <b>7.4%</b>                              | <b>907</b>                                     | <b>7.8%</b>               |
| <b>Alternative 3B</b>                                                 |                                              |                                              |                         |                                                    |                                          |                                                |                           |
| 65-70 DNL                                                             | 4,363                                        | 979                                          | 22.4% <sup>6</sup>      | 337                                                | 7.7%                                     | 367                                            | 8.4%                      |
| 70-75 DNL                                                             | 3,505                                        | 660                                          | 18.8%                   | 261                                                | 7.4%                                     | 240                                            | 6.8%                      |
| 75+ DNL                                                               | 5,633                                        | 793                                          | 14.1%                   | 365                                                | 6.5%                                     | 414                                            | 7.3%                      |
| <b>Total Affected Population</b>                                      | <b>13,501</b>                                | <b>2,432</b>                                 | <b>18.0%</b>            | <b>963</b>                                         | <b>7.1%</b>                              | <b>1,021</b>                                   | <b>7.6%</b>               |
| <b>Net Change from No Action Alternative</b>                          |                                              |                                              |                         |                                                    |                                          |                                                |                           |
| 65-70 DNL                                                             | 222                                          | 114                                          | -                       | 30                                                 | -                                        | 48                                             | -                         |
| 70-75 DNL                                                             | 212                                          | 11                                           | -                       | -5                                                 | -                                        | 7                                              | -                         |
| 75+ DNL                                                               | 1,463                                        | 149                                          | -                       | 79                                                 | -                                        | 59                                             | -                         |
| <b>Total Population Change from No Action Alternative<sup>7</sup></b> | <b>1,897</b>                                 | <b>274</b>                                   | <b>14.4%</b>            | <b>104</b>                                         | <b>5.5%</b>                              | <b>114</b>                                     | <b>6.0%</b>               |

Sources: USCB 2012a, 2012b, 2012c, 2012d; USCB n.d.[a], n.d.[b], n.d.[c]

Note:

- <sup>1</sup> DNL contours extend into Jefferson and San Juan Counties. However, because no permanent residences are located within these DNL contours, these counties have been excluded from the analysis. Populations on military properties within the DNL contours (NAS Whidbey Island [Ault Field], the Seaplane Base, and OLF Coupeville) have also been excluded from the analysis.
- <sup>2</sup> All population estimates for areas under the DNL contours utilized 2010 U.S. Census Bureau data. A 5.4-percent growth factor was applied to the 2010 census statistics to account for population changes between 2010 and 2020 based on medium forecasted population projections during that period (Washington State Office of Financial Management, 2012).
- <sup>3</sup> Minority is defined as individuals who are members of the following population groups: American Indian or Alaska Native, Asian, Native Hawaiian or Pacific Islander, or Black or African American.
- <sup>4</sup> Hispanic or Latino population is defined as individuals who self-identify as belonging to this ethnic group in U.S. Census surveys. This population definition is based on ethnicity and not race.
- <sup>5</sup> The analysis relied on poverty data from the 2006-2010 American Community Survey 5-Year Estimates because the U.S. Census Bureau no longer reports poverty data in the decennial census. The American Community Survey does not estimate data at the census block group level; therefore, the percent of the population below the poverty level is displayed in this table at the census tract level. Consequently, census block groups within the same census tract will report the same value.
- <sup>6</sup> The shaded cells indicate the alternatives/scenarios that contain percentages of minority or Hispanic/Latino populations that are “meaningfully greater” than those within Island County as a whole or that contain percentages of low-income populations that are greater than (or equal to) those within Island County. These shaded cells indicate where environmental justice communities have been identified based on the indicated thresholds.
- <sup>7</sup> Due to rounding, some totals may not sum.

**Table F-11 Environmental Justice Populations at the NAS Whidbey Island Complex under Alternative 3, Scenario C, High-Tempo FCLP Year**

| <i>DNL Contours<sup>1</sup></i>                                       | <i>Total Affected Population<sup>2</sup></i> | <i>Total Minority Population<sup>3</sup></i> | <i>Percent Minority</i> | <i>Total Hispanic or Latino Origin<sup>4</sup></i> | <i>Percent Hispanic or Latino Origin</i> | <i>Total Low-Income Population<sup>5</sup></i> | <i>Percent Low Income</i> |
|-----------------------------------------------------------------------|----------------------------------------------|----------------------------------------------|-------------------------|----------------------------------------------------|------------------------------------------|------------------------------------------------|---------------------------|
| <b><i>No Action Alternative</i></b>                                   |                                              |                                              |                         |                                                    |                                          |                                                |                           |
| 65-70 DNL                                                             | 4,141                                        | 865                                          | 20.9%                   | 307                                                | 7.4%                                     | 319                                            | 7.7%                      |
| 70-75 DNL                                                             | 3,293                                        | 649                                          | 19.7%                   | 266                                                | 8.1%                                     | 233                                            | 7.1%                      |
| 75+ DNL                                                               | 4,170                                        | 644                                          | 15.4%                   | 286                                                | 6.9%                                     | 355                                            | 8.5%                      |
| <b>Total Affected Population</b>                                      | <b>11,604</b>                                | <b>2,158</b>                                 | <b>18.6%</b>            | <b>859</b>                                         | <b>7.4%</b>                              | <b>907</b>                                     | <b>7.8%</b>               |
| <b><i>Alternative 3C</i></b>                                          |                                              |                                              |                         |                                                    |                                          |                                                |                           |
| 65-70 DNL                                                             | 5,024                                        | 1,078                                        | 21.5% <sup>6</sup>      | 377                                                | 7.5%                                     | 394                                            | 7.8%                      |
| 70-75 DNL                                                             | 3,443                                        | 648                                          | 18.8%                   | 259                                                | 7.5%                                     | 233                                            | 6.8%                      |
| 75+ DNL                                                               | 5,010                                        | 769                                          | 15.3%                   | 340                                                | 6.8%                                     | 413                                            | 8.2%                      |
| <b>Total Affected Population</b>                                      | <b>13,477</b>                                | <b>2,495</b>                                 | <b>18.5%</b>            | <b>976</b>                                         | <b>7.2%</b>                              | <b>1,040</b>                                   | <b>7.7%</b>               |
| <b><i>Population Change from No Action Alternative</i></b>            |                                              |                                              |                         |                                                    |                                          |                                                |                           |
| 65-70 DNL                                                             | 883                                          | 213                                          | -                       | 70                                                 | -                                        | 75                                             | -                         |
| 70-75 DNL                                                             | 150                                          | -1                                           | -                       | -7                                                 | -                                        | 0                                              | -                         |
| 75+ DNL                                                               | 840                                          | 125                                          | -                       | 54                                                 | -                                        | 58                                             | -                         |
| <b>Total Population Change from No Action Alternative<sup>7</sup></b> | <b>1,873</b>                                 | <b>337</b>                                   | <b>18.0%</b>            | <b>117</b>                                         | <b>6.2%</b>                              | <b>133</b>                                     | <b>7.1%</b>               |

Sources: USCB 2012a, 2012b, 2012c, 2012d; USCB n.d.[a], n.d.[b], n.d.[c]

Note:

- <sup>1</sup> DNL contours extend into Jefferson and San Juan Counties. However, because no permanent residences are located within these DNL contours, these counties have been excluded from the analysis. Populations on military properties within the DNL contours (NAS Whidbey Island [Ault Field], the Seaplane Base, and OLF Coupeville) have also been excluded from the analysis.
- <sup>2</sup> All population estimates for areas under the DNL contours utilized 2010 U.S. Census Bureau data. A 5.4-percent growth factor was applied to the 2010 census statistics to account for population changes between 2010 and 2020 based on medium forecasted population projections during that period (Washington State Office of Financial Management, 2012).
- <sup>3</sup> Minority is defined as individuals who are members of the following population groups: American Indian or Alaska Native, Asian, Native Hawaiian or Pacific Islander, or Black or African American.
- <sup>4</sup> Hispanic or Latino population is defined as individuals who self-identify as belonging to this ethnic group in U.S. Census surveys. This population definition is based on ethnicity and not race.
- <sup>5</sup> The analysis relied on poverty data from the 2006-2010 American Community Survey 5-Year Estimates because the U.S. Census Bureau no longer reports poverty data in the decennial census. The American Community Survey does not estimate data at the census block group level; therefore, the percent of the population below the poverty level is displayed in this table at the census tract level. Consequently, census block groups within the same census tract will report the same value.
- <sup>6</sup> The shaded cells indicate the alternatives/scenarios that contain percentages of minority or Hispanic/Latino populations that are “meaningfully greater” than those within Island County as a whole or that contain percentages of low-income populations that are greater than (or equal to) those within Island County. These shaded cells indicate where environmental justice communities have been identified based on the indicated thresholds.
- <sup>7</sup> Due to rounding, some totals may not sum.