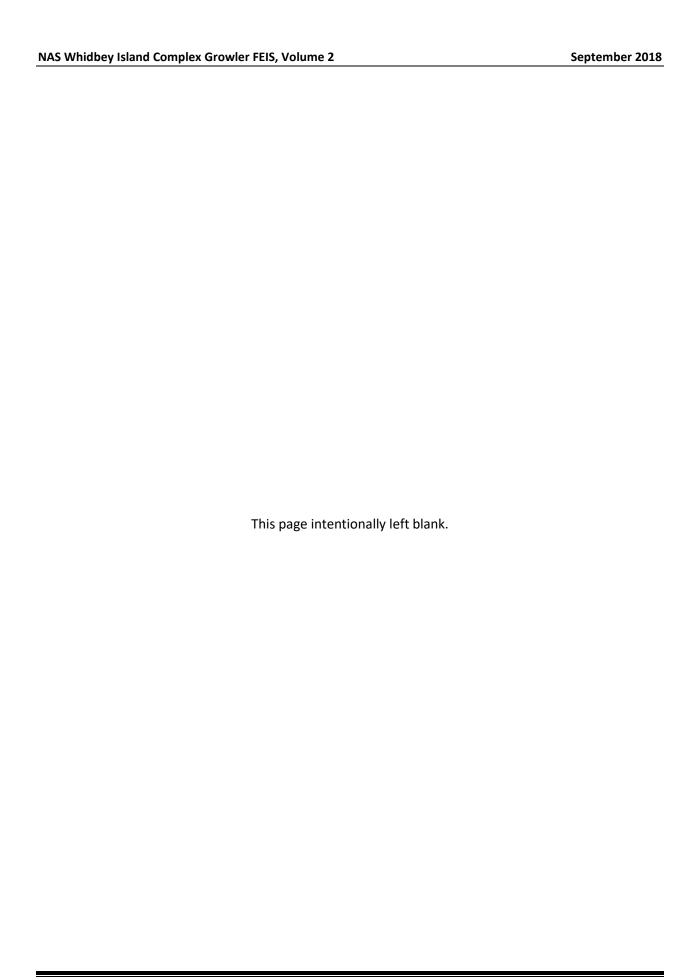
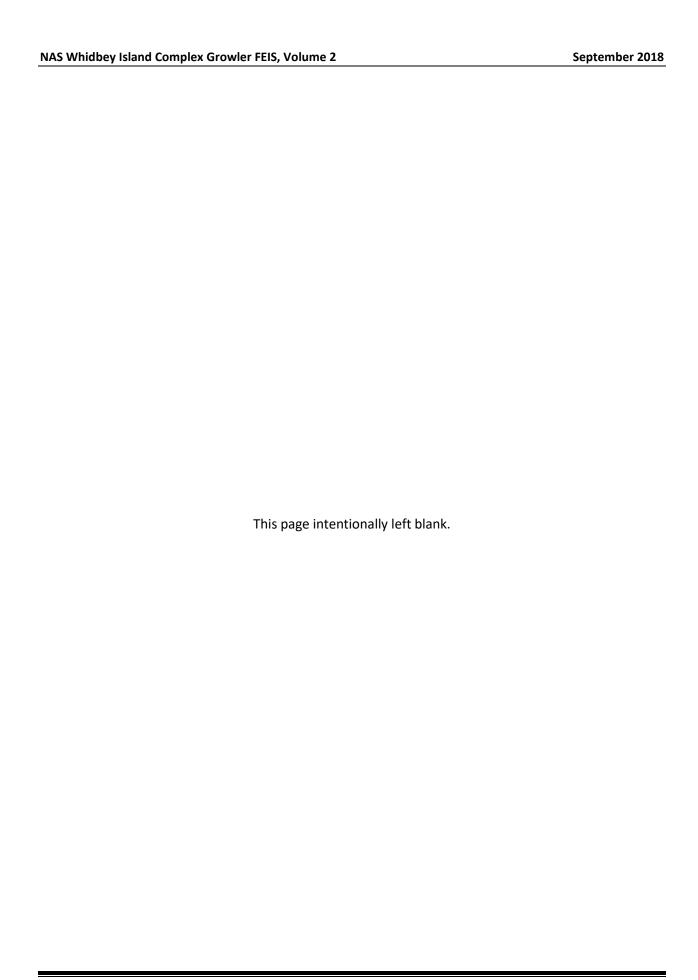
Appendix A7 Other Modeling Output for High-Tempo FCLP Year Scenarios



List of Figures

Figure A7.2-1	DNL Contours for AAD Aircraft Events for the Average Year and High-Tempo							
	FCLP Year No Action Alternative	. A7-15						
Figure A7.3-1	Estimated Aircraft DNL at POIs for the High-Tempo FCLP Year, Alternative 1	. A7-25						
Figure A7.4-1	Estimated Aircraft DNL at POIs for the High-Tempo FCLP Year, Alternative 2	. A7-39						
Figure A7.5-1	Estimated Aircraft DNL at POIs for the High-Tempo FCLP Year, Alternative 3	. A7-54						



List of Tables

Table A7.0-1	Summary of Noise Exposure Results for the High-Tempo FCLP Year	A7-7
Table A7.1-1	Estimated Acreage and Population within the DNL Contour Ranges ¹ for the High- Tempo FCLP Year for Baseline Conditions at the NAS Whidbey Island Complex	A7-8
Table A7.1-2	Estimated Aircraft DNL at POIs for the High-Tempo FCLP Year Baseline Scenario	A7-9
Table A7.1-3	Average and 10th Percentile Noise Induced Permanent Threshold Shifts as a Function of Equivalent Sound Level at the NAS Whidbey Island Complex for Max Year Baseline Conditions	. A7-10
Table A7.1-4	Average Indoor Nightly Probability of Awakening at Applicable POIs for the High- Tempo FCLP Year Baseline Scenario	. A7-11
Table A7.1-5	Indoor Speech Interference for the High-Tempo FCLP Year Baseline Scenario	. A7-12
Table A7.1-6	Classroom Learning Interference for the High-Tempo FCLP Year Baseline Scenario	. A7-13
Table A7.1-7	Recreational Speech Interference for the High-Tempo FCLP Year Baseline Scenario	. A7-14
Table A7.2-1	Estimated Acreage and Population within the DNL Contour Ranges ¹ for the High- Tempo FCLP Year No Action Alternative at the NAS Whidbey Island Complex	. A7-16
Table A7.2-2	Estimated Aircraft DNL at POIs for the High-Tempo FCLP Year No Action Alternative	. A7-17
Table A7.2-3	Average and 10th Percentile Noise Induced Permanent Threshold Shifts as a Function of Equivalent Sound Level at the NAS Whidbey Island Complex for Max Year No Action Alternative	. A7-18
Table A7.2-4	Average Indoor Nightly Probability of Awakening at Applicable POIs for the High- Tempo FCLP Year No Action Alternative	. A7-19
Table A7.2-5	Indoor Speech Interference for the High-Tempo FCLP Year No Action Alternative	
Table A7.2-6	Classroom Learning Interference for the High-Tempo FCLP Year No Action Alternative	. A7-21
Table A7.2-7	Recreational Speech Interference for the High-Tempo FCLP Year No Action Alternative	. A7-22
Table A7.3-1	Estimated Acreage and Population within the DNL Contour Ranges ¹ for the NAS Whidbey Island Complex, Alternative 1 (High-Tempo FCLP Year) ^{2,3}	. A7-23
Table A7.3-2	Estimated Potential Hearing Loss for the High-Tempo FCLP Year, Alternative 1A	. A7-29
Table A7.3-3	Estimated Potential Hearing Loss for the High-Tempo FCLP Year, Alternative 1B	. A7-29
Table A7.3-4	Estimated Potential Hearing Loss for the High-Tempo FCLP Year, Alternative 1C	. A7-30
Table A7.3-5	Estimated Potential Hearing Loss for the High-Tempo FCLP Year, Alternative 1D	. A7-30
Table A7.3-6	Estimated Potential Hearing Loss for the High-Tempo FCLP Year, Alternative 1E	. A7-31
Table A7.3-7	Average Indoor Nightly Probability of Awakening at Applicable POIs for the High- Tempo FCLP Year, Alternative 1	. A7-32

Table A7.3-8	Indoor Speech Interference for the High-Tempo FCLP Year, Alternative 1 A7-33
Table A7.3-9	Classroom Learning Interference for the High-Tempo FCLP Year, Alternative 1 A7-34
Table A7.3-10	Recreational Speech Interference for High-Tempo FCLP Year, Alternative 1 A7-36
Table A7.4-1	Estimated Acreage and Population within the DNL Contour Ranges ¹ for the NAS Whidbey Island Complex, Alternative 2 (High-Tempo FCLP Year) ^{2,3}
Table A7.4-2	Estimated Potential Hearing Loss for the High-Tempo FCLP Year, Alternative 2A A7-43
Table A7.4-3	Estimated Potential Hearing Loss for the High-Tempo FCLP Year, Alternative 2B A7-44
Table A7.4-4	Estimated Potential Hearing Loss for the High-Tempo FCLP Year, Alternative 2C A7-45
Table A7.4-5	Estimated Potential Hearing Loss for the High-Tempo FCLP Year, Alternative 2D A7-45
Table A7.4-6	Estimated Potential Hearing Loss for the High-Tempo FCLP Year, Alternative 2E A7-46
Table A7.4-7	Average Indoor Nightly Probability of Awakening at Applicable POIs for the High- Tempo FCLP Year, Alternative 2
Table A7.4-8	Indoor Speech Interference for the High-Tempo FCLP Year, Alternative 2
Table A7.4-9	Classroom Learning Interference for the High-Tempo FCLP Year, Alternative 2 A7-49
Table A7.4-10	Recreational Speech Interference for the High-Tempo FCLP Year, Alternative 2 A7-51
Table A7.5-1	Estimated Acreage and Population within the DNL Contour Ranges ¹ for the NAS Whidbey Island Complex, Alternative 3 (High-Tempo FCLP Year) ^{2,3}
Table A7.5-2	Estimated Potential Hearing Loss for the High-Tempo FCLP Year, Alternative 3A A7-58
Table A7.5-3	Estimated Potential Hearing Loss for the High-Tempo FCLP Year, Alternative 3B A7-59
Table A7.5-4	Estimated Potential Hearing Loss for the High-Tempo FCLP Year, Alternative 3C A7-60
Table A7.5-5	Estimated Potential Hearing Loss for the High-Tempo FCLP Year, Alternative 3D A7-60
Table A7.5-6	Estimated Potential Hearing Loss for the High-Tempo FCLP Year, Alternative 3E A7-61
Table A7.5-7	Average Indoor Nightly Probability of Awakening at Applicable POIs for the High- Tempo FCLP Year, Alternative 3
Table A7.5-8	Indoor Speech Interference for the High-Tempo FCLP Year, Alternative 3
Table A7.5-9	Classroom Learning Interference for the High-Tempo FCLP Year, Alternative 3 A7-64
Table A7.5-10	Recreational Speech Interference for the High-Tempo FCLP Year, Alternative 3 A7-66

Table A7.0-1 Summary of Noise Exposure Results for the High-Tempo FCLP Year

				Al	ternativ	e 1			Alt	ternativ	e 2			Al	ternativ	e 3	
			Α	В	С	D	Е	Α	В	С	D	Е	Α	В	С	D	Е
Population Exposed	Pop	ulation	11,863	12,227	12,267	12,208	12,326	11,754	12,153	12,070	12,052	12,143	11,751	12,129	12,007	12,065	12,187
to ≥65 dB DNL,	Chan	ge from	+1519	+2150	+2386	+2150	+2386	+1567	+2035	+2180	+2035	+2180	+1597	+2081	+2175	+2081	+2175
Both Airfields		on (10,916)	15%	18%	19%	18%	19%	14%	17%	17%	17%	17%	14%	17%	16%	17%	18%
			1070	1070	1070	1070	1070	1 1 70	17.70	17 70	1770	17 70	1470	17 70	1070	17 70	1070
	1	5 dB or more	_	-	2	-	5	-	-	-	-	-	-	-	1	-	-
	Decrease of		-	3	10	-	7	-	4	12	-	12	-	1	11	-	12
		1-2 dB	-	10	1	6	-	1	11	1	4	-	2	14	-	9	-
	No Change		20	32	30	30	31	18	28	32	32	32	18	28	30	27	30
DNL at POI		1 dB	9	3	4	-	4	11	5	3	-	4	12	5	6	-	6
(Change from No		2-3 dB	10	-	1	-	1	9	-	-	-	-	7	-	-	-	-
Action)	Increase of	4-5 dB	4	-	-	-	-	4	-	-	10	-	4	-	-	5	-
		6-10 dB	4	-	-	12	-	4	-	-	2	-	4	-	-	7	-
		11-15 dB >15 dB	1	-	-	-	-	1	-	-	-	-	1	-	-	-	-
	Nowly	65 dB DNL	- 2	- 2	- 2	- 2	- 2	- 2	- 2	- 2	- 2	- 2	- 2	- 2	- 2	- 2	- 2
	inewiy 2	US UB DINL								2							
	Pop	ulation	113	67	74	69	72	104	68	76	62	74	101	67	75	61	73
Population of		ge from	+75	+29	+36	+31	+34	+66	+30	+38	+24	+36	+63	+29	+37	+23	+35
Average NIPTS ≥5 dB		tion (40)	208%	81%	100%	86%	94%	183%	83%	106%	67%	100%	175%	81%	103%	64%	97%
	Decrease of	1-10%	-		-	-	-	-	-	-		-	-		-	-	-
	No Change		6	7	12	8	8	6	8	11	7	9	7	8	10	7	8
Annual Avg Nightly		1-10%	17	18	13	16	19	19	19	16	19	18	17	19	17	17	19
PA at Residential POI		11-20%	5	5	5	4	3	3	3	3	3	3	4	3	3	4	3
(Change from No Action	Increase of	21-30%	1	-	-	1	-	2	-	-	1	-	1	-	-	2	-
in %PA)	increase of	31-40% 41-50%	- 1	-	-	- 1	-	-	-	-	-	-	- 1	-	-	-	-
		51-60%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		61% or more	-		-	-	-	-	-	-		-	-	-	-	-	-
		0170 01 111010															
Daytime Indoor	Decrease of	1-2 events/hr															
Speech Interference		1-2 events/ni	-		-	-	-	-	-	-	-	-	-	-	-	-	-
at Residential POI	No Change	1	19	16	19	16	17	17	15	19	16	18	18	16	19	16	18
(Change from No	Increase of	1-2 events/hr	11	14	11	14	13	13	15	11	14	12	12	14	11	14	12
Action)	increase or	3-4 events/hr															
		o 4 evento/iii															
Classroom Learning	Decrease of	1-2 events/hr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Interference at School	No Change		9	8	8	9	8	7	7	7	8	8	7	7	8	7	8
POI		1-2 events/hr	3	4	4	3	4	5	5	5	4	4	5	5	4	5	4
(Change from No	Increase of	3-4 events/hr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Action)	<u> </u>	5-6 events/hr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		T															
Recreational Speech	Decrease of	1 events/hr	-	-	1	-	-	-	-	1	-	-	-	-	1	-	-
Interference at	No Change		15	14	25	13	17	11	13	23	12	17	12	13	25	13	17
Outdoor/Park POI		1-2 events/hr	33	34	22	35	31	37	35	24	36	31	36	35	22	35	31
(Change from No	Increase of	3-4 events/hr	-	ı	ı	-	-	-	-	ı	ı	-	-	·	-	ı	-
Action)		5-6 events/hr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table A7.1-1 Estimated Acreage and Population within the DNL Contour Ranges¹ for the High-Tempo FCLP Year for Baseline Conditions at the NAS Whidbey Island Complex

	DNL Contou	ır Ranges						
						n or		
65 to <70 dB DNL		70 to <75 c	equal to 75 dB DNL					
	Area		Area		Area		Area	
DNL Contours	(acres)	Pop ²	(acres)	Pop ²	(acres)	Pop ²	(acres)	Pop ²
Ault Field	3,545	3,534	3,166	2,445	5,955	3,589	12,666	9,568
OLF Coupeville	4,003	979	3,178	841	742	607	7,923	2,427
Total ³	7,548	4,513	6,345	3,286	6,697	4,196	20,590	11,995

- ¹ Acreage presented does not include areas over water or areas over the NAS Whidbey Island complex.
- Population counts of people within the DNL contours were computed using 2010 census block-level data. The percent area of the census block covered by the DNL contour range was applied to the population of that census block to estimate the population within the DNL contour range (e.g., if 25 percent of the census block is within a DNL contour, then 25 percent of the population is included in the population count). This calculation assumes an even distribution of the population across the census block, and it excludes population on military properties within the DNL contours (NAS Whidbey Island [Ault Field], the Seaplane Base, and OLF Coupeville). All population estimates for areas under the dB DNL contours utilized 2010 U.S. Census Bureau data. A 7.1-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 for Island County during that period (Washington State Office of Financial Management, 2017). To simplify the analysis, this growth factor was also used for areas of Skagit County that fall under the 65+ dB DNL contours. These data should be used for comparative purposes only and are not considered actual numbers within the DNL contour range.
- ³ Numbers have been rounded to ensure totals sum.

Key:

dB = decibel

DNL = day-night average sound level

Table A7.1-2 Estimated Aircraft DNL at POIs for the High-Tempo FCLP Year Baseline Scenario

Description	Point of Interest							
POI			Related	DNL				
PO2 Deception Pass State Park Ault 74 P03 Dugualla State Park Ault 65 P04 Baseball Field (Ebey's Landing National Historical Reserve) OLF 74 P05 Ebey's Landing State Park OLF 52 P06 Fort Casey State Park OLF 62 P07 Cama Beach State Park OLF 445 P08 Port Townsend None 445 P09 Moran State Park None 445 P09 Moran State Park None 45 P10 San Juan Islands National Monument None 45 P10 San Juan Island Visitors Center None 45 P12 Cap Sante Park Ault 45 P12 Cap Sante Park Ault 54 P13 Lake Campbell Ault 54 P14 Spencer Spit State Park None 45 P15 Pioneer Park Ault 55 P16 Marrowstone Island (Fort Flagler)	ID	Description	Field	(dB)				
P03 Dugualla State Park Ault 65 P04 Historical Reserve) OLF 74 P05 Ebey's Landing State Park OLF 52 P06 Fort Casey State Park OLF 62 P07 Cama Beach State Park OLF 45 P08 Port Townsend None <45	P01	Joseph Whidbey State Park	Ault	57				
P04			Ault	74				
Historical Reserve OLF	P03	Dugualla State Park	Ault	65				
Historical Reserve OLF 52	DO 4	Baseball Field (Ebey's Landing National		7.4				
P06 Fort Casey State Park OLF 62 P07 Cama Beach State Park OLF <45	P04	Historical Reserve)	OLF	74				
P06 Fort Casey State Park OLF 62 P07 Cama Beach State Park OLF <45	P05	Ebey's Landing State Park	OLF	52				
PO8 Port Townsend None <45 P09 Moran State Park None <45			OLF	62				
P09 Moran State Park None <45 P10 San Juan Islands National Monument None 54 P11 San Juan Island Visitors Center None <45	P07	Cama Beach State Park	OLF	<45				
P09 Moran State Park None <45 P10 San Juan Islands National Monument None 54 P11 San Juan Island Visitors Center None <45	P08	Port Townsend	None	<45				
P11 San Juan Island Visitors Center None <45 P12 Cap Sante Park Ault <45			None	<45				
P11 San Juan Island Visitors Center None <45 P12 Cap Sante Park Ault <45	P10	San Juan Islands National Monument	None	54				
P12 Cap Sante Park Ault <45			None	<45				
P13 Lake Campbell Ault 54 P14 Spencer Spit State Park None <45								
P14 Spencer Spit State Park Ault 55 P15 Pioneer Park Ault 55 P16 Marrowstone Island (Fort Flagler) OLF <45			***************************************					
P15 Pioneer Park Ault 55 P16 Marrowstone Island (Fort Flagler) OLF <45								
P16 Marrowstone Island (Fort Flagler) OLF <45 3LA0 Reuble Farm OLF 69 3LA0 Ferry House OLF 56 R01 Sullivan Rd Ault 90 R02 Salal St. and N. Northgate Dr Ault 78 R03 Central Whidbey Ault 57 R04 Pull and Be Damned Point Ault 62 R05 Snee-Oosh Point Ault 57 R06 Admirals Dr and Byrd Dr OLF 79 R07 Race Lagoon OLF 61 R08 Pratts Bluff OLF 63 R09 Cox Rd and Island Ridge Way OLF 50 R10 Skyline None <57	***************************************							
BLA0 Reuble Farm OLF 69 BLA0 Ferry House OLF 56 R01 Sullivan Rd Ault 90 R02 Salal St. and N. Northgate Dr Ault 78 R03 Central Whidbey Ault 57 R04 Pull and Be Damned Point Ault 62 R05 Snee-Oosh Point Ault 57 R06 Admirals Dr and Byrd Dr OLF 79 R07 Race Lagoon OLF 61 R08 Pratts Bluff OLF 63 R09 Cox Rd and Island Ridge Way OLF 50 R10 Skyline None 57 R11 Sequim None <45			+					
BLAO Ferry House OLF 56 R01 Sullivan Rd Ault 90 R02 Salal St. and N. Northgate Dr Ault 78 R03 Central Whidbey Ault 57 R04 Pull and Be Damned Point Ault 62 R05 Snee-Oosh Point Ault 57 R06 Admirals Dr and Byrd Dr OLF 79 R07 Race Lagoon OLF 61 R08 Pratts Bluff OLF 63 R09 Cox Rd and Island Ridge Way OLF 63 R09 Cox Rd and Island Ridge Way OLF 50 R10 Skyline None <45								
R01 Sullivan Rd Ault 90 R02 Salal St. and N. Northgate Dr Ault 78 R03 Central Whidbey Ault 57 R04 Pull and Be Damned Point Ault 62 R05 Snee-Oosh Point Ault 57 R06 Admirals Dr and Byrd Dr OLF 79 R07 Race Lagoon OLF 61 R08 Pratts Bluff OLF 63 R09 Cox Rd and Island Ridge Way OLF 50 R10 Skyline None <45	~~~~~			~~~~~				
R02 Salal St. and N. Northgate Dr Ault 78 R03 Central Whidbey Ault 57 R04 Pull and Be Damned Point Ault 62 R05 Snee-Cosh Point Ault 57 R06 Admirals Dr and Byrd Dr OLF 79 R07 Race Lagoon OLF 61 R08 Pratts Bluff OLF 63 R09 Cox Rd and Island Ridge Way OLF 50 R10 Skyline None 57 R11 Sequim None <45								
R03 Central Whidbey Ault 57 R04 Pull and Be Damned Point Ault 62 R05 Snee-Oosh Point Ault 57 R06 Admirals Dr and Byrd Dr OLF 79 R07 Race Lagoon OLF 61 R08 Pratts Bluff OLF 63 R09 Cox Rd and Island Ridge Way OLF 50 R10 Skyline None 57 R11 Sequim None <45								
R04 Pull and Be Damned Point Ault 62 R05 Snee-Oosh Point Ault 57 R06 Admirals Dr and Byrd Dr OLF 79 R07 Race Lagoon OLF 61 R08 Pratts Bluff OLF 63 R09 Cox Rd and Island Ridge Way OLF 50 R10 Skyline None 57 R11 Sequim None 57 R11 Sequim None 45 R12 Port Angeles None 45 R12 Port Angeles None 45 R13 Bewerly Beach, Freeland OLF 45 R14 E Sleeper Rd & Slumber Ln Ault 75 R15 Long Point Manor OLF 65 R16 Rocky Point Heights OLF 55 R17 Port Townsend None <45				****************				
R05 Snee-Oosh Point Ault 57 R06 Admirals Dr and Byrd Dr OLF 79 R07 Race Lagoon OLF 61 R08 Pratts Bluff OLF 63 R09 Cox Rd and Island Ridge Way OLF 50 R10 Skyline None 57 R11 Sequim None <45								
R06 Admirals Dr and Byrd Dr OLF 79 R07 Race Lagoon OLF 61 R08 Pratts Bluff OLF 63 R09 Cox Rd and Island Ridge Way OLF 50 R10 Skyline None 57 R11 Sequim None <45								
R07 Race Lagoon OLF 61 R08 Pratts Bluff OLF 63 R09 Cox Rd and Island Ridge Way OLF 50 R10 Skyline None 57 R11 Sequim None <45								
R08 Pratts Bluff OLF 63 R09 Cox Rd and Island Ridge Way OLF 50 R10 Skyline None 57 R11 Sequim None <45			************************					
R09 Cox Rd and Island Ridge Way OLF 50 R10 Skyline None 57 R11 Sequim None <45	***************************************			***************************************				
R10 Skyline None 57 R11 Sequim None <45	***************************************							
R11 Sequim None <45 R12 Port Angeles None <45				***************************************				
R12 Port Angeles None <45	~~~~~							
R13 Beverly Beach, Freeland OLF <45	~~~~~~~~		***************************************	***************************************				
R14 E Sleeper Rd & Slumber Ln Ault 75 R15 Long Point Manor OLF 65 R16 Rocky Point Heights OLF 55 R17 Port Townsend None <45								
R15 Long Point Manor OLF 65 R16 Rocky Point Heights OLF 55 R17 Port Townsend None <45				***************************************				
R16 Rocky Point Heights OLF 55 R17 Port Townsend None <45	~~~~~			75				
R17 Port Townsend None <45	R15	Long Point Manor	OLF	65				
R18 Marrowstone Island (Nordland) None <45	R16	Rocky Point Heights	OLF	55				
R19 Island Transit Offices, Coupeville OLF 73 R20 South Lopez Island (Agate Beach) None 48 S01 Oak Harbor High School Ault 60 S02 Crescent Harbor Elementary School Ault 68 S03 Coupeville Elementary School OLF 58 S04 Anacortes High School Ault 48 S05 Lopez Island School None <45	R17	Port Townsend		<45				
R20 South Lopez Island (Agate Beach) None 48 S01 Oak Harbor High School Ault 60 S02 Crescent Harbor Elementary School Ault 68 S03 Coupeville Elementary School OLF 58 S04 Anacortes High School Ault 48 S05 Lopez Island School None <45	R18	Marrowstone Island (Nordland)	None	<45				
S01 Oak Harbor High School Ault 60 S02 Crescent Harbor Elementary School Ault 68 S03 Coupeville Elementary School OLF 58 S04 Anacortes High School Ault 48 S05 Lopez Island School None <45	R19	Island Transit Offices, Coupeville	OLF	73				
S02 Crescent Harbor Elementary School Ault 68 S03 Coupeville Elementary School OLF 58 S04 Anacortes High School Ault 48 S05 Lopez Island School None <45	R20	South Lopez Island (Agate Beach)	None	48				
S03 Coupeville Elementary School OLF 58 S04 Anacortes High School Ault 48 S05 Lopez Island School None <45	S01	Oak Harbor High School	Ault	60				
S04 Anacortes High School Ault 48 S05 Lopez Island School None <45	S02	Crescent Harbor Elementary School	Ault	68				
S04 Anacortes High School Ault 48 S05 Lopez Island School None <45			OLF	58				
S05 Lopez Island School None <45			Ault	48				
S06Friday Harbor Elementary SchoolNone<45S07Sir James Douglas Elementary SchoolNone<45	*****		None	<45				
S07 Sir James Douglas Elementary School None <45			•	***************************************				
S08 Fidalgo Elementary School Ault 52 S09 La Conner Elementary School Ault 53	~~~~~~							
S09 La Conner Elementary School Ault 53								

			OLF	<45				

Table A7.1-3 Average and 10th Percentile Noise Induced Permanent Threshold Shifts as a Function of Equivalent Sound Level at the NAS Whidbey Island Complex for Max Year Baseline Conditions

	Estimated Population ^{2, 3,4}							
Band of Leq ₍₂₄₎ (dB)	Average NIPTS (dB) ¹	10th Percentile NIPTS (dB) ¹	Ault Field (on-station)	Ault Field (off-station)	OLF Coupeville (off-station)	Total		
74-75	0.5	3.5	-	-	-	_		
75-76	1.0	4.0	-	-	51	51		
76-77	1.0	4.5	-	140	48	189		
77-78	1.5	5.0	-	299	43	342		
78-79	2.0	5.5	-	205	21	226		
79-80	2.5	6.0	-	130	6	135		
80-81	3.0	7.0	-	79	-	80		
81-82	3.5	8.0	-	62	-	62		
82-83	4.0	9.0	-	39	-	39		
83-84	4.5	10.0	-	29	-	29		
84-85	5.5	11.0	-	26	-	26		
85-86	6.0	12.0	-	10	-	10		
86-87	7.0	13.5	-	7	-	7		
87-88	7.5	15.0	-	5	-	5		
88-89	8.5	16.5	-	2	-	2		
89-90	9.5	18.0	-	-	-	-		
90-91	10.5	19.5	-	-	-	-		
91-92	11.5	21.0	-	-	-	-		

- NIPTS values rounded to nearest 0.5 dB.
- ² This analysis assumes the population is outdoors and exposed to all aircraft noise events for 40 years. Given the amount of time spent indoors and the intermittent occurrence of aircraft noise events, it is highly unlikely that individuals would meet all the criteria, and the actual potential for hearing loss would be less than the values reported here.
- Estimated Population was determined by those living within the 80 dB DNL noise contour around each airfield, including those living on-base at Ault Field (there is no on-base population at OLF Coupeville).
- Population counts of people within the DNL contours were computed using 2010 census block-level data. The percent area of the census block covered by the DNL contour range was applied to the population of that census block to estimate the population within the DNL contour range (e.g., if 25 percent of the census block is within a DNL contour, then 25 percent of the population is included in the population count). This calculation assumes an even distribution of the population across the census block. All population estimates for areas under the dB DNL contours utilized 2010 U.S. Census Bureau data. A 7.1-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 for Island County during that period (Washington State Office of Financial Management, 2017). In addition, per guidance on potential hearing loss, on-base populations at Ault Field have been included in the analysis. These data should be used for comparative purposes only and are not considered actual numbers within the DNL contour range.

Key:

dB = decibel

L_{eq(24)} = 24-hour Equivalent Sound Level

NIPTS = Noise Induced Permanent Threshold Shift

OLF = outlying landing field

Table A7.1-4 Average Indoor Nightly Probability of Awakening at Applicable POIs for the High-Tempo FCLP Year Baseline Scenario

	Repre	sentative Residential Receptor		Annual Average Nightly (2200-0700 Probability of Awakening (%) ⁽¹⁾		
				Baseline		
			Related	Windows	Windows	
Type	ID	Description	Field	Open	Closed	
	R01	Sullivan Rd	Ault	62%	46%	
	R02	Salal St. and N. Northgate Dr	Ault	44%	31%	
	R03	Central Whidbey	Ault	17%	9%	
	R04	Pull and Be Damned Point	Ault	20%	9%	
	R05	Snee-Oosh Point	Ault	16%	5%	
	R06	Admirals Dr and Byrd Dr	OLF	10%	6%	
	R07	Race Lagoon	OLF	5%	2%	
	R08	Pratts Bluff	OLF	5%	3%	
(2)	R09	Cox Rd and Island Ridge Way	OLF	3%	2%	
Residentia ⁽²⁾	R10	Skyline	None	7%	2%	
der	R11	Sequim	None	0%	0%	
esi	R12	Port Angeles	None	0%	0%	
<u>~</u>	R13	Beverly Beach, Freeland	OLF	2%	0%	
	R14	E Sleeper Rd & Slumber Ln	Ault	40%	28%	
	R15	Long Point Manor	OLF	12%	4%	
	R16	Rocky Point Heights	OLF	10%	3%	
	R17	Port Townsend	None	1%	0%	
	R18	Marrowstone Island (Nordland)	None	0%	0%	
	R19	Island Transit Offices, Coupeville	OLF	10%	5%	
	R20	South Lopez Island (Agate Beach)	None	2%	1%	
	S01	Oak Harbor High School	Ault	22%	13%	
a	S02	Crescent Harbor Elementary School	Ault	23%	14%	
inti	S03	Coupeville Elementary School	OLF	6%	3%	
ide	S04	Anacortes High School	Ault	2%	1%	
res	S05	Lopez Island School	None	0%	0%	
ä	S06	Friday Harbor Elementary School	None	0%	0%	
School (near residential)	S07	Sir James Douglas Elementary School	None	0%	0%	
<u>کن</u>	S08	Fidalgo Elementary School	Ault	7%	2%	
й	S09	La Conner Elementary School	Ault	8%	3%	
	S10	Elger Bay Elementary School	OLF	0%	0%	

Table A7.1-5 Indoor Speech Interference for the High-Tempo FCLP Year Baseline Scenario

		Point of Interest		Annual Average Dai Indoor Daytime (0700-2200) Events per Hour ⁽¹⁾ Baseline		
			Related	Windows		
Туре	ID	Description	Field	Open	Closed	
7.	R01	Sullivan Rd	Ault	10	10	
	R02	Salal St. and N. Northgate Dr	Ault	10	8	
	R03	Central Whidbey	Ault	5	-	
	R04	Pull and Be Damned Point	Ault	2	1	
	R05	Snee-Oosh Point	Ault	2	1	
	R06	Admirals Dr and Byrd Dr	OLF	-	-	
	R07	Race Lagoon	OLF	1	-	
	R08	Pratts Bluff	OLF	-	-	
	R09	Cox Rd and Island Ridge Way	OLF	-	_	
Residential	R10	Skyline	None	1	-	
ige	R11	Sequim	None	-	-	
Ses	R12	Port Angeles	None	-	-	
"	R13	Beverly Beach, Freeland	OLF	-	-	
	R14	E Sleeper Rd & Slumber Ln	Ault	8	7	
	R15	Long Point Manor	OLF	1	1	
	R16	Rocky Point Heights	OLF	2	1	
	R17	Port Townsend	None	-	_	
	R18	Marrowstone Island (Nordland)	None	_	_	
	R19	Island Transit Offices, Coupeville	OLF	1	1	
	R20	South Lopez Island (Agate Beach)	None	-	-	
	S01	Oak Harbor High School	Ault	6	2	
a	S02	Crescent Harbor Elementary School	Ault	5	2	
ij	S03	Coupeville Elementary School	OLF	1	-	
<u>8</u>	S04	Anacortes High School	Ault	-	-	
res	S05	Lopez Island School	None	-	-	
ğ	S06	Friday Harbor Elementary School	None	-	-	
School (near residential)	S07	Sir James Douglas Elementary School	None	-	-	
) કૂ	S08	Fidalgo Elementary School	Ault	-	-	
ഗ്	S09	La Conner Elementary School	Ault	1	_	
	S10	Elger Bay Elementary School	OLF	-	-	

Table A7.1-6 Classroom Learning Interference for the High-Tempo FCLP Year Baseline Scenario

						Baseline			
		Representative School Location			Indoor (1)				
					Windo	ws Open	Windows Closed		
Туре	ID	Description	Related Field	Outdoor L _{eq(8h)} (dB)	L _{eq(8h)} (dB)	Events per Hour ⁽²⁾	L _{eq(8h)} (dB)	Events per Hour ⁽²⁾	
School Surrogate	R03	Central Whidbey	Ault	57	<45	5	<45	-	
Sch	R11	Sequim	None	<45	<45	-	<45	-	
	S01	Oak Harbor High School	Ault	58	<45	6	<45	2	
	S02	Crescent Harbor Elementary School	Ault	68	53	5	<45	2	
	S03	Coupeville Elementary School	OLF	52	<45	1	<45	-	
_	S04	Anacortes High School	Ault	47	<45	-	<45	-	
<u> </u>	S05	Lopez Island School	None	<45	<45	-	<45	-	
School	S06	Friday Harbor Elementary School	None	<45	<45	-	<45	-	
	S07	Sir James Douglas Elementary School	None	<45	<45	-	<45	-	
	S08	Fidalgo Elementary School	Ault	49	<45	-	<45	-	
	S09	La Conner Elementary School	Ault	51	<45	1	<45	-	
	S10	Elger Bay Elementary School	OLF	<45	<45	-	<45	-	
		Number of Sites Exceeding 1 Intrusive Event per Hour				3		2	
		Minimum Number of Intrusive Events per Hour if Exceeding 1				5		2	
		Maximum Number of Intrusive Events per Hour if Exceeding 1				6		2	

Notes.

⁽¹⁾ assumes 15 dB and 25 dB of Noise Level Reductions for windows open and closed, respectively.

⁽²⁾ Number of Average School-Day Events per hour during 8-hour school day (0800-1600) At or Above an Indoor Maximum (single-event) Sound Level (L_{max}) of 50 dB;

Table A7.1-7 Recreational Speech Interference for the High-Tempo FCLP Year Baseline Scenario

	Re	epresentative Park Receptor		Annual Average Outdoor Daily Daytime Events per Hour $ NA50 \ L_{max} $			
		5					
Туре		Description	Related Field		Nighttime		
	P01	Joseph Whidbey State Park	Ault	9	2		
	P02	Deception Pass State Park	Ault	9	2		
	P03	Dugualla State Park	Ault	9	2		
	P04	Baseball Field (Ebey's Landing National Historical Reserve)	OLF	3	1		
	P05	Ebey's Landing State Park	OLF	2	-		
	P06	Fort Casey State Park	OLF	1	-		
	P07	Cama Beach State Park	OLF	3	-		
×	P08	Port Townsend	None	1	-		
Park	P09	Moran State Park	None	-	-		
_	P10	San Juan Islands National Monument	None	8	2		
	P11	San Juan Island Visitors Center	None	_	_		
	P12	Cap Sante Park	Ault	1	-		
	P13	Lake Campbell	Ault	5	1		
	P14	Spencer Spit State Park	None	-	-		
	P15	Pioneer Park	Ault	4	1		
	P16	Marrowstone Island (Fort Flagler)	OLF	-	-		
		Reuble Farm	OLF	2	-		
	EBLA002	Ferry House	OLF	2	-		
	R01	Sullivan Rd	Ault	10	2		
	R02	Salal St. and N. Northgate Dr	Ault	10	2		
	R03	Central Whidbey	Ault	8	2		
	R04	Pull and Be Damned Point	Ault	8	2		
	R05	Snee-Oosh Point	Ault	7	2		
	R06	Admirals Dr and Byrd Dr	OLF	1	-		
	R07	Race Lagoon	OLF	3	1		
	R08	Pratts Bluff	OLF	1	-		
tial	R09	Cox Rd and Island Ridge Way	OLF	1	-		
len	R10	Skyline	None	4	1		
Residential	R11	Sequim	None	1	-		
8	R12	Port Angeles	None	1	-		
	R13	Beverly Beach, Freeland	OLF	-	-		
	R14	E Sleeper Rd & Slumber Ln	Ault	10	2		
	R15	Long Point Manor	OLF	7	2		
	R16	Rocky Point Heights	OLF	5	1		
	R17	Port Townsend	None	-	-		
	R18	Marrowstone Island (Nordland)	None	-	-		
	R19	Island Transit Offices, Coupeville	OLF	3	1		
	R20	South Lopez Island (Agate Beach)	None	4	1		
	S01	Oak Harbor High School	Ault	9	2		
	S02	Crescent Harbor Elementary School	Ault	8	2		
	S03	Coupeville Elementary School	OLF	3	1		
_	S04	Anacortes High School	Ault	1	-		
School	S05	Lopez Island School	None	-	_		
)Sch	S06	Friday Harbor Elementary School	None	-	-		
3,	S07	Sir James Douglas Elementary School	None	-	-		
	S08	Fidalgo Elementary School	Ault	4	1		
	S09	La Conner Elementary School	Ault	3	1		
	S10	Elger Bay Elementary School	OLF	1	_		

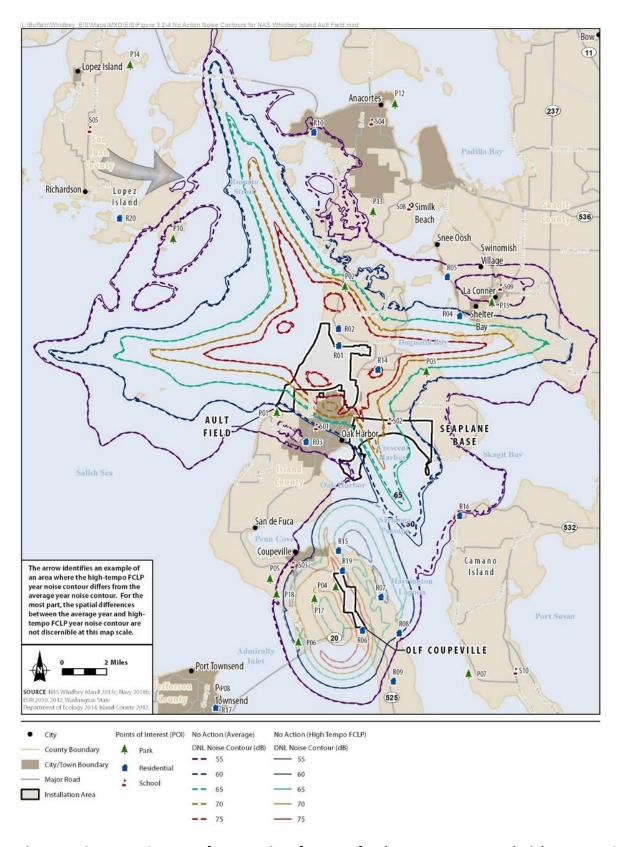


Figure A7.2-1 DNL Contours for AAD Aircraft Events for the Average Year and High-Tempo FCLP Year No Action Alternative

Table A7.2-1 Estimated Acreage and Population within the DNL Contour Ranges¹ for the High-Tempo FCLP Year No Action Alternative at the NAS Whidbey Island Complex

	DNL Conto	ur Ranges							
						n or			
	65 to <70 dB DNL		70 to <75 c	dB DNL equal to 75 a		dB DNL	Total	Total ³	
	Area		Area		Area		Area		
DNL Contours	(acres)	Pop ²	(acres)	Pop ²	(acres)	Pop ²	(acres)	Pop ²	
Ault Field	3,503	3,347	3,260	2,677	5,864	3,530	12,628	9,554	
OLF Coupeville	3,718	881	3,054	786	637	583	7,409	2,250	
Total ³	7,221	4,228	6,315	3,463	6,502	4,113	20,037	11,804	

- Acreage presented does not include areas over water or areas over the NAS Whidbey Island complex.
- Population counts of people within the DNL contours were computed using 2010 census block-level data. The percent area of the census block covered by the DNL contour range was applied to the population of that census block to estimate the population within the DNL contour range (e.g., if 25 percent of the census block is within a DNL contour, then 25 percent of the population is included in the population count). This calculation assumes an even distribution of the population across the census block, and it excludes population on military properties within the DNL contours (NAS Whidbey Island [Ault Field], the Seaplane Base, and OLF Coupeville). All population estimates for areas under the dB DNL contours utilized 2010 U.S. Census Bureau data. A 7.1-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 for Island County during that period (Washington State Office of Financial Management, 2017). To simplify the analysis, this growth factor was also used for areas of Skagit County that fall under the 65+ dB DNL contours. These data should be used for comparative purposes only and are not considered actual numbers within the DNL contour range.
- ³ Numbers have been rounded to ensure totals sum.

Key:

dB = decibel

DNL = day-night average sound level

Table A7.2-2 Estimated Aircraft DNL at POIs for the High-Tempo FCLP Year No Action Alternative

P01 Joseph Whidbey State Park			Point of Interest		DNI	_ (dB)
P01 Joseph Whidbey State Park	_	j	B			re
P02 Deception Pass State Park	Туре					Baseline
P03 Dugualla State Park Baseball Field (Ebey's Landing National Historical Reserve) OLF 74 -					~~~~~~	-
Po4 Baseball Field (Ebey's Landing National Historical Reserve)						-
PUB Historical Reserve OLF 74		P03		Ault	65	-
P05 Ebey's Landing State Park		P04		OLF	74	-
P06		P05			52	_
P07 Cama Beach State Park OLF <45 -						-1
P08						
P09 Moran State Park		~~~~~				-
P10 San Juan Islands National Monument None 54 - P11 San Juan Island Visitors Center None <45 - P12 Cap Sante Park Ault <45 - P13 Lake Campbell Ault 54 - P14 Spencer Spit State Park None <45 - P15 Pioneer Park Ault 55 - P16 Marrowstone Island (Fort Flagler) OLF <45 - P16 Marrowstone Island (Fort Flagler) OLF 69 - P16 Marrowstone Island (Fort Flagler) OLF 69 - P17 OLF 69 - P18 OLF 69 - P18 OLF 69 - P18 OLF 69 - P18 OLF 60 OLF 60 - P18 OLF 60 OLF	뚩					_
P11 San Juan Island Visitors Center	صّ					-
P12 Cap Sante Park						-
P13 Lake Campbell		~~~~~~			~~~~~~~~~~~~	-
P14 Spencer Spit State Park		*************				-
P15 Pioneer Park Ault 55 -						-
P16 Marrowstone Island (Fort Flagler)		~~~~~~		~~~~~	~~~~~	
SLA0(Reuble Farm OLF 69 -		~~~~~~~			~~~~~	
R01 Sullivan Rd						_
R01 Sullivan Rd R02 Salal St. and N. Northgate Dr Ault 78 - R03 Central Whidbey Ault 57 - R04 Pull and Be Damned Point Ault 57 - R05 Snee-Oosh Point Ault 57 - R06 Admirals Dr and Byrd Dr R07 Race Lagoon OLF 61 - R08 Pratts Bluff OLF 62 -1 R09 Cox Rd and Island Ridge Way OLF 50 - R11 Sequim None 56 -1 R11 Severity Beach, Freeland OLF 545 - R14 E Sleeper Rd & Slumber Ln Ault 74 -1 R15 Long Point Manor OLF 64 -1 R16 Rocky Point Heights OLF 55 - R17 Port Townsend None 55 - R18 Marrowstone Island (Nordland) None 56 -1 R18 Marrowstone Island (Nordland) None 56 -1 R19 Island Transit Offices, Coupeville OLF 73 - R20 South Lopez Island (Agate Beach) None 48 - R20 South Lopez Island (Agate Beach) None 48 - R20 South Lopez Island (Agate Beach) None 48 - R20 South Lopez Island (Agate Beach) None 48 - R20 South Lopez Island (Agate Beach) None 48 - R20 South Lopez Island (Agate Beach) None 48 - R20 South Lopez Island (Agate Beach) None 48 - R20 South Lopez Island (Agate Beach) None 48 - R20 South Lopez Island (Agate Beach) None 48 - R20 South Lopez Island (Agate Beach) None 48 - R20 South Lopez Island (Agate Beach) None 48 - R20 South Lopez Island (Agate Beach) None 48 - R20 South Lopez Island School None 445 - R20 South Lopez Island School None						_
R02 Salal St. and N. Northgate Dr		_		_		_
R03 Central Whidbey						_
R04		*****				_
R05 Snee-Oosh Point Ault 57						_
R06 Admirals Dr and Byrd Dr		~~~~~~		~~~~~	~~~~~	
R07 Race Lagoon						
R08						-
R09 Cox Rd and Island Ridge Way OLF 50 - R10 Skyline None 56 -1 R11 Sequim None <45 - R12 Port Angeles None <45 - R13 Beverly Beach, Freeland OLF <45 - R14 E Sleeper Rd & Slumber Ln Ault 74 -1 R15 Long Point Manor OLF 64 -1 R16 Rocky Point Heights OLF 55 - R17 Port Townsend None <45 - R18 Marrowstone Island (Nordland) None <45 - R19 Island Transit Offices, Coupeville OLF 73 - R20 South Lopez Island (Agate Beach) None 48 - R20 South Lopez Island (Agate Beach) Ault 60 - R20 South Lopez Island (Agate Beach) R20 South Lopez Island (Agate Beach) South Lopez Island (Agate Beach) R20 South Lopez Island School R20						-1
R10 Skyline None 56 -1	ल			~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
R13 Beverly Beach, Freeland OLF <45 - R14 E Sleeper Rd & Slumber Ln Ault 74 -1 R15 Long Point Manor OLF 64 -1 R16 Rocky Point Heights OLF 55 - R17 Port Townsend None <45 - R18 Marrowstone Island (Nordland) None <45 - R19 Island Transit Offices, Coupeville OLF 73 - R20 South Lopez Island (Agate Beach) None 48 - S01 Oak Harbor High School Ault 60 - S02 Crescent Harbor Elementary School Ault 68 - S03 Coupeville Elementary School Ault 48 - S05 Lopez Island School Ault 48 - S06 Friday Harbor Elementary School None <45 - S07 Sir James Douglas Elementary School None <45 - S08 Fidalgo Elementary School Ault 52 - S09 La Conner Elementary School Ault 53 -	i j					-1
R13 Beverly Beach, Freeland OLF <45 - R14 E Sleeper Rd & Slumber Ln Ault 74 -1 R15 Long Point Manor OLF 64 -1 R16 Rocky Point Heights OLF 55 - R17 Port Townsend None <45 - R18 Marrowstone Island (Nordland) None <45 - R19 Island Transit Offices, Coupeville OLF 73 - R20 South Lopez Island (Agate Beach) None 48 - S01 Oak Harbor High School Ault 60 - S02 Crescent Harbor Elementary School Ault 68 - S03 Coupeville Elementary School Ault 48 - S05 Lopez Island School Ault 48 - S06 Friday Harbor Elementary School None <45 - S07 Sir James Douglas Elementary School None <45 - S08 Fidalgo Elementary School Ault 52 - S09 La Conner Elementary School Ault 53 -	jg					-
R13 Beverly Beach, Freeland OLF <45 - R14 E Sleeper Rd & Slumber Ln Ault 74 -1 R15 Long Point Manor OLF 64 -1 R16 Rocky Point Heights OLF 55 - R17 Port Townsend None <45 - R18 Marrowstone Island (Nordland) None <45 - R19 Island Transit Offices, Coupeville OLF 73 - R20 South Lopez Island (Agate Beach) None 48 - S01 Oak Harbor High School Ault 60 - S02 Crescent Harbor Elementary School Ault 68 - S03 Coupeville Elementary School Ault 48 - S05 Lopez Island School Ault 48 - S06 Friday Harbor Elementary School None <45 - S07 Sir James Douglas Elementary School None <45 - S08 Fidalgo Elementary School Ault 52 - S09 La Conner Elementary School Ault 53 -	Še					_
R14 E Sleeper Rd & Slumber Ln	_					-
R15		****				-1
R16 Rocky Point Heights OLF 55 -						
R17						
R18 Marrowstone Island (Nordland) None <45 - R19 Island Transit Offices, Coupeville OLF 73 - R20 South Lopez Island (Agate Beach) None 48 - S01 Oak Harbor High School Ault 60 - S02 Crescent Harbor Elementary School Ault 68 - S03 Coupeville Elementary School OLF 58 - S04 Anacortes High School Ault 48 - S05 Lopez Island School None <45 - S06 Friday Harbor Elementary School None <45 - S07 Sir James Douglas Elementary School Ault 52 - S08 Fidalgo Elementary School Ault 52 - S09 La Conner Elementary School Ault 53 -		~~~~~			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	-
R19		******************			~~~~	-
R20 South Lopez Island (Agate Beach) None 48 -						-
S01 Oak Harbor High School Ault 60 -					~~~~~~~~~~	_
S02 Crescent Harbor Elementary School Ault 68 -			\ 0 /		_	-
S03 Coupeville Elementary School OLF 58 -						-
S04 Anacortes High School Ault 48 -						-
Sos Lopez Island School None <45 -						_
S07 Sir James Douglas Elementary School None <45 - S08 Fidalgo Elementary School Ault 52 - S09 La Conner Elementary School Ault 53 -	8					-
S07 Sir James Douglas Elementary School None <45 - S08 Fidalgo Elementary School Ault 52 - S09 La Conner Elementary School Ault 53 -	Š					_
S08 Fidalgo Elementary School Ault 52 - S09 La Conner Elementary School Ault 53 -	S					-
S09 La Conner Elementary School Ault 53 -		***********				_
					~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	_
				OLF	<45	_

Table A7.2-3 Average and 10th Percentile Noise Induced Permanent Threshold Shifts as a Function of Equivalent Sound Level at the NAS Whidbey Island Complex for Max Year No Action Alternative

			Estimated Population ^{2, 3,4}						
Band of Leq ₍₂₄₎ (dB)	Average NIPTS (dB) ¹	10th Percentile NIPTS (dB) ¹	Ault Field (on- station)	Ault Field (off- station)	OLF Coupeville (off-station)	Total			
74-75	0.5	3.5	-	-	-	-			
75-76	1.0	4.0	-	-	32	32			
76-77	1.0	4.5	-	155	46	201			
77-78	1.5	5.0	-	277	46	322			
78-79	2.0	5.5	-	169	24	193			
79-80	2.5	6.0	-	102	7	109			
80-81	3.0	7.0	-	75	1	77			
81-82	3.5	8.0	-	51	-	51			
82-83	4.0	9.0	-	38	-	38			
83-84	4.5	10.0	-	36	-	36			
84-85	5.5	11.0	-	12	-	12			
85-86	6.0	12.0	-	9	-	9			
86-87	7.0	13.5	-	7	-	7			
87-88	7.5	15.0	-	4	-	4			
88-89	8.5	16.5	-	2	-	2			
89-90	9.5	18.0	-	-	-	-			
90-91	10.5	19.5	-	-	-	-			
91-92	11.5	21.0	-	-	-	-			

- NIPTS values rounded to nearest 0.5 dB.
- This analysis assumes the population is outdoors and exposed to all aircraft noise events for 40 years. Given the amount of time spent indoors and the intermittent occurrence of aircraft noise events, it is highly unlikely that individuals would meet all the criteria, and the actual potential for hearing loss would be less than the values reported here.
- Estimated Population was determined by those living within the 80 dB DNL noise contour around each airfield, including those living on-base at Ault Field (there is no on-base population at OLF Coupeville).
- Population counts of people within the DNL contours were computed using 2010 census block-level data. The percent area of the census block covered by the DNL contour range was applied to the population of that census block to estimate the population within the DNL contour range (e.g., if 25 percent of the census block is within a DNL contour, then 25 percent of the population is included in the population count). This calculation assumes an even distribution of the population across the census block. All population estimates for areas under the dB DNL contours utilized 2010 U.S. Census Bureau data. A 7.1-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 for Island County during that period (Washington State Office of Financial Management, 2017). In addition, per guidance on potential hearing loss, on-base populations at Ault Field have been included in the analysis. These data should be used for comparative purposes only and are not considered actual numbers within the DNL contour range.

Key:

dB = decibel

 $L_{eq(24)}$  = 24-hour Equivalent Sound Level

NIPTS = Noise Induced Permanent Threshold Shift

OLF = outlying landing field

Table A7.2-4 Average Indoor Nightly Probability of Awakening at Applicable POIs for the High-Tempo FCLP Year No Action Alternative

	Repre	sentative Residential Receptor				lightly (220 wakening (	
				No A	ction		e from eline
			Related	Windows	Windows	Windows	Windows
Type	ID	Description	Field	Open	Closed	Open	Closed
	R01	Sullivan Rd	Ault	62%	46%	-	-
	R02	Salal St. and N. Northgate Dr	Ault	44%	31%	-	-
	R03	Central Whidbey	Ault	17%	9%	-	-
	R04	Pull and Be Damned Point	Ault	21%	9%	1%	-
	R05	Snee-Oosh Point	Ault	16%	5%	-	-
	R06	Admirals Dr and Byrd Dr	OLF	9%	6%	-1%	-
	R07	Race Lagoon	OLF	5%	2%	-	-
	R08	Pratts Bluff	OLF	4%	2%	-1%	-1%
ਯ	R09	Cox Rd and Island Ridge Way	OLF	3%	2%	-	-
inti	R10	Skyline	None	6%	2%	-1%	-
Residential	R11	Sequim	None	0%	0%	-	-
Reg	R12	Port Angeles	None	0%	0%	-	-
	R13	Beverly Beach, Freeland	OLF	2%	0%	-	-
	R14	E Sleeper Rd & Slumber Ln	Ault	40%	28%	-	-
	R15	Long Point Manor	OLF	11%	4%	-1%	-
	R16	Rocky Point Heights	OLF	10%	3%	-	-
	R17	Port Townsend	None	1%	0%	-	-
	R18	Marrowstone Island (Nordland)	None	0%	0%	-	-
	R19	Island Transit Offices, Coupeville	OLF	10%	5%	-	-
	R20	South Lopez Island (Agate Beach)	None	3%	1%	1%	-
	S01	Oak Harbor High School	Ault	22%	13%	-	_
ial)	S02	Crescent Harbor Elementary School	Ault	23%	13%	-	-1%
enti	S03	Coupeville Elementary School	OLF	5%	3%	-1%	-
sid	S04	Anacortes High School	Ault	2%	1%	-	-
e .	S05	Lopez Island School	None	0%	0%	-	-
eal	S06	Friday Harbor Elementary School	None	0%	0%	-	-
School (near residential)	S07	Sir James Douglas Elementary School	None	0%	0%	-	-
Scl	S08	Fidalgo Elementary School	Ault	7%	2%	-	-
	S09	La Conner Elementary School	Ault	8%	3%	-	-
	S10	Elger Bay Elementary School	OLF	0%	0%	-	-

⁽¹⁾ assumes 15 dB and 25 dB of Noise Level Reductions for windows open and closed, respectively.

⁽²⁾ R01 and R06 include interior SELs greater than 100 dB with windows open

Table A7.2-5 Indoor Speech Interference for the High-Tempo FCLP Year No Action Alternative

Indoor Speech Interference for Max Year No Action

		Point of Interest		Annual Average Daily Indoor Daytime (0700-2200) Events per Hour (1)					
				No A		Change from Baseline			
			Related		Windows		Windows		
Type	ID	Description	Field	Open	Closed	Open	Closed		
	R01	Sullivan Rd	Ault	8	8	-2	-2		
	R02	Salal St. and N. Northgate Dr	Ault	8	8	-2	-		
		Central Whidbey	Ault	5	-	-	-		
	R04	Pull and Be Damned Point	Ault	2	1	-	-		
	R05	Snee-Oosh Point	Ault	2	1	-	-		
		Admirals Dr and Byrd Dr	OLF	-	-	-	-		
	R07	Race Lagoon	OLF	1	-	-	-		
	R08 Pratts Bluff		OLF	-	-	-	-		
ল	त्र R09 Cox Rd and Island Ridge Way		OLF	-	-	-	-		
anti:	R10	Skyline	None	_	-	-1	_		
ide	R11	Sequim	None	-	-	_	-		
Residential	R12	Port Angeles	None	_	-	_	_		
	R13	Beverly Beach, Freeland	OLF	-	-	-	-		
	R14	E Sleeper Rd & Slumber Ln	Ault	8	7	-	-		
	R15	Long Point Manor	OLF	1	1	-	-		
	R16	Rocky Point Heights	OLF	2	1	_	-		
	R17	Port Townsend	None	_	-	-	-		
	R18	Marrowstone Island (Nordland)	None	-	-	-	-		
	R19	Island Transit Offices, Coupeville	OLF	1	1	-	-		
	R20	South Lopez Island (Agate Beach)	None	_	-	-	-		
	S01	Oak Harbor High School	Ault	6	2	-	-		
	S02	Crescent Harbor Elementary School	Ault	5	2	_	-		
	S03	Coupeville Elementary School	OLF	1	-	-	-		
	S04	Anacortes High School	Ault	-	-	-	-		
0	S05	Lopez Island School	None	-	-	-	-		
School	S06	Friday Harbor Elementary School	None	-	-	-	-		
SS	S07	Sir James Douglas Elementary School	None	-	-	-	-		
	S08	Fidalgo Elementary School	Ault	-	-	-	-		
	S09	La Conner Elementary School	Ault	1	-	-	-		
	S10	Elger Bay Elementary School	OLF	-	-	-			

⁽¹⁾ with an indoor Maximum Sound Level of at Least 50 dB; assumes 15 dB and 25 dB of Noise Level Reductions for windows open and closed, respectively.

⁽²⁾ The Whidbey General Hospital is located within approximately 1,000 feet of the Coupeville Elementary School; therefore, this location was not modeled individually, but similar result for indoor speech interference for POI S03 would apply.

Table A7.2-6 Classroom Learning Interference for the High-Tempo FCLP Year No Action Alternative

				N	o Actio			C	hange	from B		•
Pos	araaan	tative School Location			Indo	or ⁽¹⁾				Indo	or ⁽¹⁾	
Re	oresen	tative School Location		Win	idows	Win	dows		Win	ndows	Wir	dows
				O	pen	Clo	osed		0	pen	Ck	osed
			Outdoor		Events		Events	Outdoor		Events		Events
			L _{eq(8h)}	L _{eq(8h)}	per	L _{eq(8h)}	per	L _{eq(8h)}	L _{eq(8h)}	per	L _{eq(8h)}	per
Type	ID	Description	(dB)	(dB)	Hour ⁽²⁾	(dB)	Hour ⁽²⁾	(dB)	(dB)	Hour ⁽²⁾	(dB)	Hour ⁽²⁾
School Surrogate	R03	Central Whidbey	57	<45	4	<45	-	-	-	-1	_	-
Sc	R11	Sequim	<45	<45	-	<45	-	-	-	-	-	-
	S01	Oak Harbor High School	57	<45	5	<45	2	-1	-1	-1	-1	-
	S02	Crescent Harbor Elementary School	67	52	4	<45	2	-1	-1	-1	-1	-
	S03	Coupeville Elementary School	52	<45	-	<45	-	-	-	-1	-	-
	S04	Anacortes High School	46	<45	-	<45	-	-1	-1	-	-1	-
	S05	Lopez Island School	<45	<45	-	<45	-	-1	-1	-	-1	-
School	S06	Friday Harbor Elementary School	<45	<45	-	<45	-	-	-	-	-	-
ŭ	S07	Sir James Douglas Elementary School	<45	<45	-	<45	-	-	-	-	-	-
	S08	Fidalgo Elementary School	49	<45	-	<45	-	-	-	-	-	-
	S09	La Conner Elementary School	50	<45	1	<45	-	-1	-1	-	-1	-
	S10	Elger Bay Elementary School	<45	<45	-	<45	-	ı	1	-	1	-
		Number of Sites Exceeding			3		2			_		
		1 Intrusive Event per Hour			3							_
Mi	nimum	Number of Intrusive Events			4		2			_		-
		per Hour if Exceeding 1					_					
Ma	iximum	Number of Intrusive Events			5		2			-		-
Matan		per Hour if Exceeding 1										

⁽¹⁾ assumes 15 dB and 25 dB of Noise Level Reductions for windows open and closed, respectively.

⁽²⁾ Number of Average School-Day Events per hour during 8-hour school day (0800-1600) At or Above an Indoor Maximum (single-event) Sound Level (L_{max}) of 50 dB;

Table A7.2-7 Recreational Speech Interference for the High-Tempo FCLP Year No Action Alternative

	R	epresentative Park Receptor	Ev	Average Out vents per Ho	ur NA50 L _m	ıx
			No A	ction	Increase Acti	
Туре	ID	Description	Daytime	Nighttime	Daytime	Daytime
	P01	Joseph Whidbey State Park	8	2	-1	-
	P02	Deception Pass State Park	8	2	-1	-
	P03	Dugualla State Park	8	2	-1	_
	P04	Baseball Field (Ebey's Landing National Historical Reserve)	3	1	-	-
	P05	Ebey's Landing State Park	2		-	-
	P06	Fort Casey State Park	1		-	-
	P07	Cama Beach State Park	3		-	-
Park	P08	Port Townsend	1		_	-
Pa	P09	Moran State Park		***************************************	-	-
	P10	San Juan Islands National Monument	7	2	-1	-
	P11	San Juan Island Visitors Center			-	
	P12	Cap Sante Park			-1	-
	P13	Lake Campbell	4	1	-1	
	P14	Spencer Spit State Park		1	- 1	
	P15	Pioneer Park	4	1		-
	P16	Marrowstone Island (Fort Flagler)		1	-	
		Reuble Farm	2		-	
	EDLA001	Ferry House	2		-	
	R01	Sullivan Rd	8	2	-2	-
	R02	Salal St. and N. Northgate Dr	8	2	-2 -2	
	R03	Central Whidbey	7	2	- <u>-</u> -1	-
	R04	Pull and Be Damned Point	7	2	-1	
	R05	Snee-Oosh Point	7	2	- 1	-
	R06		1			
	R07	Admirals Dr and Byrd Dr	3	1	-	-
	******************************	Race Lagoon	1	 	-	-
_	R08	Pratts Bluff	1		-	
I je	R09	Cox Rd and Island Ridge Way		4	-	-
de	R10	Skyline	4	1	-	-
Residential	R11	Sequim			-1	-
ĕ	R12	Port Angeles	1		-	-
	R13	Beverly Beach, Freeland			-	-
	R14	E Sleeper Rd & Slumber Ln	8	2	-2	-
	R15	Long Point Manor	7	2	-	-
	R16	Rocky Point Heights	4	1	-1	-
	R17	Port Townsend	1		1	-
	R18	Marrowstone Island (Nordland)			_	-
	R19	Island Transit Offices, Coupeville	3	1	-	-
L	R20	South Lopez Island (Agate Beach)	3	1	-1	-
	S01	Oak Harbor High School	8	2	-1	-
	S02	Crescent Harbor Elementary School	7	2	-1	-
	S03	Coupeville Elementary School	3	1	-	-
	S04	Anacortes High School	1	·	-	-
8	S05	Lopez Island School			-	-
School						
Й	S06	Friday Harbor Elementary School			-	-
	S07	Sir James Douglas Elementary School	ļ		-	-
	S08	Fidalgo Elementary School	4	1	-	-
	S09	La Conner Elementary School	3	1	_	-
	S10	Elger Bay Elementary School	1		-	-

Table A7.3-1 Estimated Acreage and Population within the DNL Contour Ranges¹ for the NAS Whidbey Island Complex, Alternative 1 (High-Tempo FCLP Year)²,³

	DNL Conto	our Ranges	;					
					Greater th	nan or		
	65 to <70	dB DNL	70 to <75	dB DNL	equal to 7		Total	
	Area		Area		Area		Area	
	(acres)	Pop⁴	(acres)	Pop⁴	(acres)	Pop ⁴	(acres)	Pop⁴
Ault Field								
No Action Alternativ	<i>ie</i>							
High-Tempo FCLP	3,503	3,347	3,260	2,677	5,864	3,530	12,628	9,554
Year				ŕ			'	
Alternative 1		•	•	•	•	•	•	•
Scenario A (20/80	4,065	3,690	3,278	1,973	6,004	3,548	13,346	9,212
FCLP split)	(+562)	(+343)	(+18)	(-704)	(+140)	(+18)	(+718)	(-342)
Scenario B (50/50	3,974	3,667	3,273	2,503	6,528	3,828	13,775	9,997
FCLP split)	(+471)	(+320)	(+13)	(-174)	(+664)	(+298)	(+1,147)	(+443)
Scenario C (80/20	3,998	3,853	3,115	2,566	7,009	4,064	14,122	10,483
FCLP split)	(+495)	(+506)	(-145)	(-111)	(+1,145)	(+534)	(+1,494)	(+929)
Scenario D (30/70	3,997	3,735	3,203	2,228	6,312	3,714	13,513	9,677
FCLP split)	(+494)	(+388)	(-57)	(-449)	(+448)	(+184)	(+885)	(+123)
Scenario E (70/30	3,985	3,791	3,135	2,564	6,898	3,990	14,019	10,327
FCLP split)	(+482)	(+444)	(-125)	(-113)	(+1,034)	(+460)	(+1,391)	(+773)
OLF Coupeville								
No Action Alternativ	<i>ie</i>							
High-Tempo FCLP	3,718	881	3,054	786	637	583	7,409	2,250
Year								
Alternative 1			T				1	
Scenario A (20/80	1,897	612	3,064	871	5,707	2,053	10,354	3,536
FCLP split)	(-1,821)	(-269)	(+10)	(+150)	(+5,070)	(+1,470)	(+2,945)	(+1,286
Scenario B (50/50	1,897	492	3,467	1,085	4,215	1,592	9,579	3,169
FCLP split)	(-1,821)	(-389)	(+413)	(+275)	(+3,578)	(+1,009)	(+2,170)	(+919)
Scenario C (80/20	3,454	1,040	3,183	1,038	1,497	700	8,134	2,778
FCLP split)	(-264)	(+159)	(+129)	(+250)	(+860)	(+117)	(+725)	(+528)
Scenario D (30/70	1,556	556	3,265	943	5,341	1,946	10,162	3,445
FCLP split)	(-2,162)	(-325)	(+211)	(+206)	(+4,704)	(+1,363)	(+2,753)	(+1,195
Scenario E (70/30	2,996	849	3,195	1,047	2,615	1,039	8,606	5,029
FCLP split)	(-722)	(-32)	(+141)	(+272)	(+1,978)	(+456)	(+1,197)	(+2,779
NAS Whidbey Island	-							
No Action Alternativ		4.000	6.245	2.452	6.500	4.463	20.027	44.00:
High-Tempo FCLP	7,221	4,228	6,315	3,463	6,502	4,113	20,037	11,804
Year Altarmatica 1								
Alternative 1	F 647	4 202	6.242	2.044	44 744	F 602	22.700	42.740
Scenario A (20/80	5,647	4,303	6,342	2,844	11,711	5,602	23,700	12,749
FCLP split)	(-1,574)	(+75)	(+27)	(-619)	(+5,209)	(+1,489)	(+3,663)	(+945)
Scenario B (50/50	5,872	4,159	6,740	3,587	10,742	5,420	23,354	13,166
FCLP split)	(-1,349)	(-69)	(+425)	(+125)	(+4,240)	(+1,307)	(+3,317)	(+1,362
Scenario C (80/20	7,452	4,893	6,298	3,604	8,506	4,764	22,256	13,261
FCLP split)	(+231)	(+665)	(-17)	(+141)	(+2,004)	(+651)	(+2,219)	(+1,457
Scenario D (30/70	5,554	4,291	6,468	3,171	11,653	5,660	23,675	13,122
FCLP split)	(-1,667)	(+63)	(+153)	(-292)	(+5,151)	(+1,547)	(+3,638)	(+1,318

Table A7.3-1 Estimated Acreage and Population within the DNL Contour Ranges¹ for the NAS Whidbey Island Complex, Alternative 1 (High-Tempo FCLP Year)^{2,3}

	DNL Cont	VL Contour Ranges									
					Greater th	an or					
	65 to <70	dB DNL	70 to <75	dB DNL	equal to 7.	5 dB DNL	Total				
	Area	Area			Area		Area				
	(acres)	Pop ⁴	(acres)	Pop ⁴	(acres)	Pop ⁴	(acres)	Pop ⁴			
Scenario E (70/30	6,981	4,640	6,330	3,593	9,514	5,029	22,825	13,262			
FCLP split)	(-240)	(+412)	(+15)	(+130)	(+3,012)	(+916)	(+2,788)	(+1,458)			

- ¹ All five scenarios are outlined in Section 2.3.3, where the split represents the percent of FCLPs conducted at Ault Field and OLF Coupeville, respectively (i.e., 20/80 FCLP split = 20 percent of FCLPs at Ault Field and 80 percent of FCLPs at OLF Coupeville).
- ² Acreage presented does not include areas over water or areas over the NAS Whidbey Island complex.
- The difference between the No Action Alternative and Alternative 1 is noted in parentheses.
- ⁴ Population counts of people within the DNL contour ranges were computed using 2010 Census block-level data. The percent area of the census block covered by the DNL contour range was applied to the population of that census block to estimate the population within the DNL contour range (e.g., if 25 percent of the census block is within a DNL contour range, then 25 percent of the population is included in the population count). This calculation assumes an even distribution of the population across the census block, and it excludes population on military properties within the DNL contour ranges (NAS Whidbey Island [Ault Field], the Seaplane Base, and OLF Coupeville). All population estimates for areas within the dB DNL contours utilized 2010 U.S. Census Bureau data. A 7.1-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 for Island County during that period (Washington State Office of Financial Management, 2017). To simplify the analysis, this growth factor was also used for areas of Skagit County that fall within the 65+ dB DNL contours. These data should be used for comparative purposes only and are not considered actual numbers within the DNL contour range.
- ⁵ Numbers have been rounded to ensure totals sum.

Key:

dB = decibel

DNL = day-night average sound level FCLP = Field Carrier Landing Practice

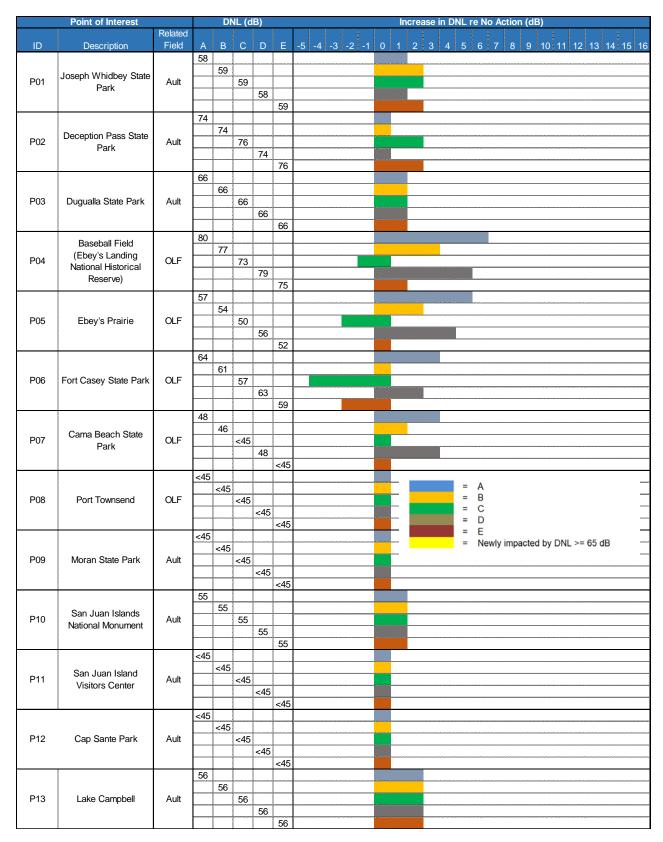


Figure A7.3-1 Estimated Aircraft DNL at POIs for the High-Tempo FCLP Year, Alternative 1

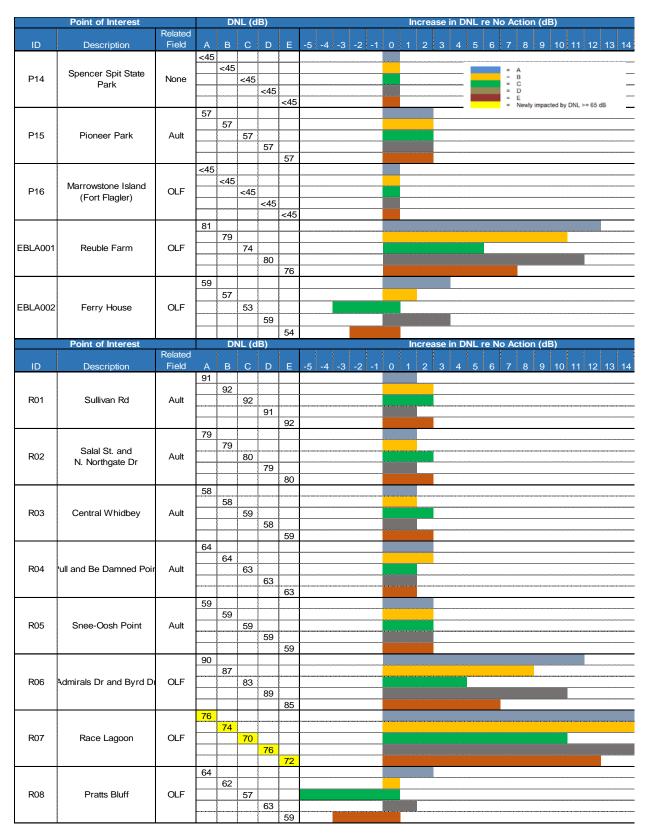


Figure A7.3-1 Estimated Aircraft DNL at POIs for the High-Tempo FCLP Year, Alternative 1 (continued)

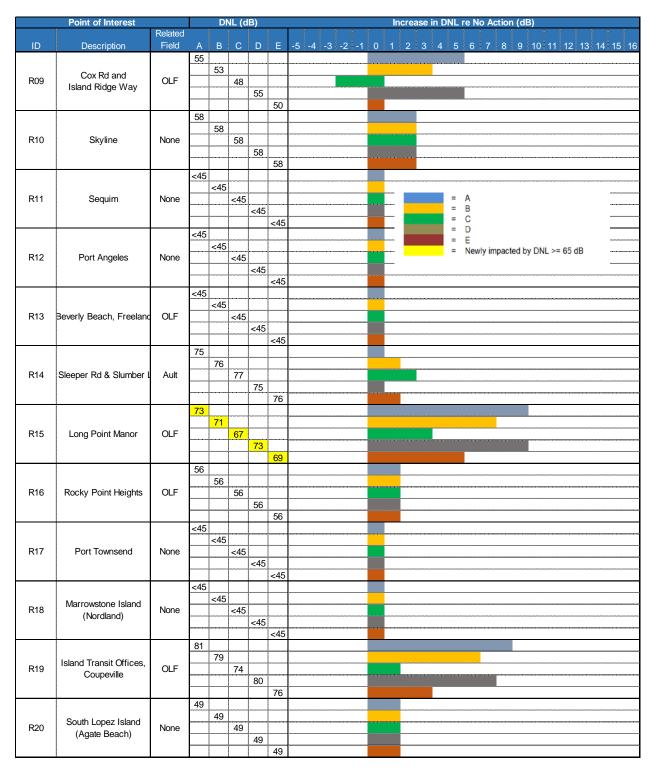


Figure A7.3-1 Estimated Aircraft DNL at POIs for the High-Tempo FCLP Year, Alternative 1 (continued)

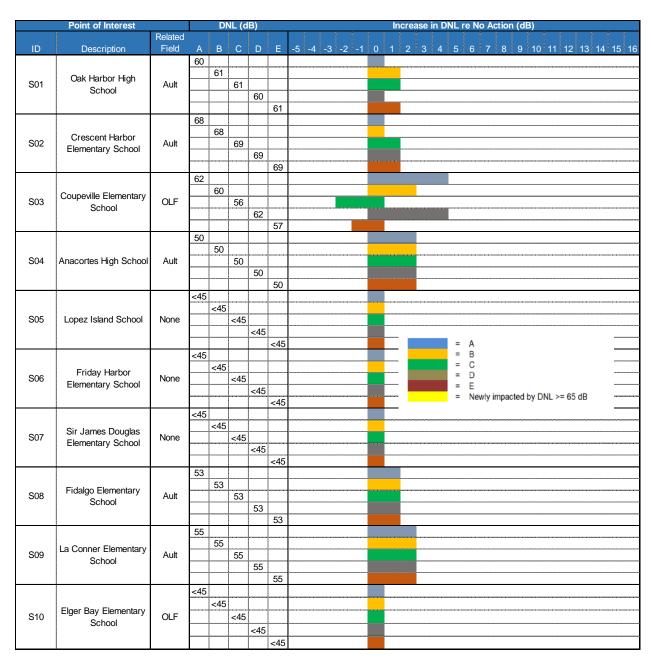


Figure A7.3-1 Estimated Aircraft DNL at POIs for the High-Tempo FCLP Year, Alternative 1 (concluded)

Table A7.3-2 Estimated Potential Hearing Loss for the High-Tempo FCLP Year, Alternative 1A

Band		10 th								
of	Average	Percentile		Estimated	d Population	,	Change in population re No Action			
L _{eq(24)}	NIPTS	NIPTS	Ault Field	Ault Field	OLF Coupeville		Ault Field	Ault Field	OLF Coupeville	
(dB)	(dB) ⁽¹⁾	(dB) ⁽¹⁾	(on-Station)	(off-Station)	(off-Station)	TOTAL	(on-Station)	(off-Station)	(off-Station)	TOTAL
74-75	0.5	3.5	-	-	-	-	-			
75-76	1.0	4.0	-	1	137	138	-	-	105	105
76-77	1.0	4.5	-	195	189	384	-	41	143	184
77-78	1.5	5.0	-	275	166	441	-	(1)	120	119
78-79	2.0	5.5	-	150	100	250	_	(19)	76	56
79-80	2.5	6.0	-	133	85	218	-	31	78	108
80-81	3.0	7.0	-	77	73	150	-	2	71	73
81-82	3.5	8.0	-	64	64	127	-	12	64	76
82-83	4.0	9.0	_	48	53	101	-	10	53	63
83-84	4.5	10.0	-	34	62	95	-	(2)	62	59
84-85	5.5	11.0	-	27	71	98	-	15	71	85
85-86	6.0	12.0	-	10	2	11	-	-	2	2
86-87	7.0	13.5	-	9	_	9	-	2	_	2
87-88	7.5	15.0	-	6	_	6	-	1	-	1
88-89	8.5	16.5	-	4	-	4	-	2	-	2
89-90	9.5	18.0	-	1	-	1	-	1	-	1
90-91	10.5	19.5	-	-	-	-	-			
91-92	11.5	21.0	-	-	-	-	-			

(1) rounded to nearest 0.5 dB

Note: Average NIPTS values greater than 10 dB, and 10th Percentile NIPTS values greater than 12 dB are estimated based on extrapolating available data from EPA guidance (EPA 1982).

Table A7.3-3 Estimated Potential Hearing Loss for the High-Tempo FCLP Year, Alternative 1B

Band		10 th								
of	Average	Percentile		Estimated	d Population		Change in population re No Action			
L _{eq(24)}	NIPTS	NIPTS	Ault Field	Ault Field	OLF Coupeville		Ault Field	Ault Field	OLF Coupeville	
(dB)	(dB) ⁽¹⁾	(dB) ⁽¹⁾	(on-Station)	(off-Station)	(off-Station)	TOTAL	(on-Station)	(off-Station)	(off-Station)	TOTAL
74-75	0.5	3.5	-				-	-	-	-
75-76	1.0	4.0	-	6	63	69	-	6	30	36
76-77	1.0	4.5	195	370	104	669	195	215	58	468
77-78	1.5	5.0	-	350	83	433	-	73	37	111
78-79	2.0	5.5	-	261	72	333	_	92	48	140
79-80	2.5	6.0	-	174	61	235	-	72	54	126
80-81	3.0	7.0	-	99	56	155	-	23	55	78
81-82	3.5	8.0	-	73	63	136	-	21	63	85
82-83	4.0	9.0	_	61	62	123	-	23	62	85
83-84	4.5	10.0	-	36	1	37	-	-	1	1
84-85	5.5	11.0	-	27	-	27	_	14	-	14
85-86	6.0	12.0	-	23	-	23	-	14	-	14
86-87	7.0	13.5	-	9	-	9	-	2	-	2
87-88	7.5	15.0	-	7	-	7	-	3	-	3
88-89	8.5	16.5	-	4	-	4	-	2	-	2
89-90	9.5	18.0	_	2	-	2	_	2	-	2
90-91	10.5	19.5	_				_	-	-	-
91-92	11.5	21.0	-				-	-	-	-

(1) rounded to nearest 0.5 dB

Note: Average NIPTS values greater than 10 dB, and 10th Percentile NIPTS values greater than 12 dB are estimated based on extrapolating available data from EPA guidance (EPA 1982).

Table A7.3-4 Estimated Potential Hearing Loss for the High-Tempo FCLP Year, Alternative 1C

Band		10 th			15 17					
of	Average	Percentile			l Population		Cr		ation re No Actior	1
L _{eq(24)}	NIPTS	NIPTS	Ault Field	Ault Field	OLF Coupeville		Ault Field	Ault Field	OLF Coupeville	
(dB)	(dB) ⁽¹⁾	(dB) ⁽¹⁾	(on-Station)	(off-Station)	(off-Station)	TOTAL	(on-Station)	(off-Station)	(off-Station)	TOTAL
74-75	0.5	3.5	-	-	-	-	-	-	-	-
75-76	1.0	4.0	-	76	14	90	-	76	(19)	57
76-77	1.0	4.5	607	382	54	1,043	607	228	7	842
77-78	1.5	5.0	-	453	62	515	-	176	17	193
78-79	2.0	5.5	-	305	68	372	-	136	43	179
79-80	2.5	6.0	-	280	2	281	-	178	(6)	172
80-81	3.0	7.0	-	144	-	145	-	69	(1)	68
81-82	3.5	8.0	-	82	0	82	-	31	(0)	31
82-83	4.0	9.0	-	65	-	65	-	27	-	27
83-84	4.5	10.0	-	41	-	41	-	5	-	5
84-85	5.5	11.0	-	29	-	29	-	17	-	17
85-86	6.0	12.0	-	29	-	29	-	19	-	19
86-87	7.0	13.5	-	10	-	10	-	3	-	3
87-88	7.5	15.0	-	8	-	8	-	4	-	4
88-89	8.5	16.5	-	5	-	5	-	3	-	3
89-90	9.5	18.0	-	2	-	2	-	2	-	2
90-91	10.5	19.5	-	-	-	-	-	-	-	-
91-92	11.5	21.0	-	-	-	-	-	-	-	-

(1) rounded to nearest 0.5 dB

Note: Average NIPTS values greater than 10 dB, and 10th Percentile NIPTS values greater than 12 dB are estimated based on extrapolating available data from EPA guidance (EPA 1982).

Table A7.3-5 Estimated Potential Hearing Loss for the High-Tempo FCLP Year, Alternative 1D

Band		10 th								
of	Average	Percentile		Estimated	l Population		CI	nange in popul	ation re No Action	1
L _{eq(24)}	NIPTS	NIPTS	Ault Field	Ault Field	OLF Coupeville		Ault Field	Ault Field	OLF Coupeville	
(dB)	(dB) ⁽¹⁾	(dB) ⁽¹⁾	(on-Station)	(off-Station)	(off-Station)	TOTAL	(on-Station)	(off-Station)	(off-Station)	TOTAL
74-75	0.5	3.5	-	-	-	-	-	-	-	-
75-76	1.0	4.0	-	1	159	160	-	1	126	127
76-77	1.0	4.5	-	240	169	408	-	85	122	207
77-78	1.5	5.0	-	321	133	454	-	44	88	132
78-79	2.0	5.5	-	191	92	284	-	22	68	90
79-80	2.5	6.0	-	144	75	220	-	42	68	110
80-81	3.0	7.0	-	83	66	149	-	7	65	72
81-82	3.5	8.0	-	69	59	128	-	18	59	76
82-83	4.0	9.0	-	49	58	107	-	10	58	68
83-84	4.5	10.0	-	35	69	104	-	(1)	69	68
84-85	5.5	11.0	-	30	26	55	-	17	26	43
85-86	6.0	12.0	-	10	1	11	-	1	1	1
86-87	7.0	13.5	-	9	-	9	-	2	-	2
87-88	7.5	15.0	-	6	-	6	-	2	-	2
88-89	8.5	16.5	-	4	-	4	-	2	-	2
89-90	9.5	18.0	-	1	-	1	-	1	-	1
90-91	10.5	19.5	-	-	-	-	-	-	-	-
91-92	11.5	21.0	-	-	-	-	-	-	-	-

(1) rounded to nearest 0.5 dB

Note: Average NIPTS values greater than 10 dB, and 10th Percentile NIPTS values greater than 12 dB are estimated based on extrapolating available data from EPA guidance (EPA 1982).

Table A7.3-6 Estimated Potential Hearing Loss for the High-Tempo FCLP Year, Alternative 1E

Band		10 th		Estimated	l Population		Change in population re No Action									
of	Average NIPTS	Percentile NIPTS	Ault Field		OLF Coupeville		Ault Field		OLF Coupeville							
L _{eq(24)} (dB)	(dB) ⁽¹⁾	(dB) ⁽¹⁾	(on-Station)	(off-Station)	(off-Station)	TOTAL	(on-Station)		(off-Station)	TOTAL						
74-75	0.5	3.5	-	-	-	-	-	-	-	-						
75-76	1.0	4.0	-	57	14	70	-	57	(19)	38						
76-77	1.0	4.5	415	407	69	892	415	253	23	691						
77-78	1.5	5.0	-	407	62	468	-	130	16	146						
78-79	2.0	5.5	-	295	55	350	-	126	31	157						
79-80	2.5	6.0	-	245	64	309	-	143	57	199						
80-81	3.0	7.0	-	126	52	178	-	51	51	102						
81-82	3.5	8.0	-	79	1	80	-	28	1	28						
82-83	4.0	9.0	-	64	-	64	-	26	0	26						
83-84	4.5	10.0	-	38	0	38	-	2	0	2						
84-85	5.5	11.0	-	29	-	29	-	16	-	16						
85-86	6.0	12.0	-	26	-	26	_	17	-	17						
86-87	7.0	13.5	-	10	-	10	_	3	-	3						
87-88	7.5	15.0	-	8	-	8	-	3	-	3						
88-89	8.5	16.5	-	5	-	5	-	3	-	3						
89-90	9.5	18.0	-	2	-	2	-	2	-	2						
90-91	10.5	19.5	-	-	-	_	-		-	-						
91-92	11.5	21.0	-	-	-	-	-	-	-	-						

⁽¹⁾ rounded to nearest 0.5 dB

Note: Average NIPTS values greater than 10 dB, and 10th Percentile NIPTS values greater than 12 dB are estimated based on extrapolating available data from EPA guidance (EPA 1982).

Table A7.3-7 Average Indoor Nightly Probability of Awakening at Applicable POIs for the High-Tempo FCLP Year, Alternative 1

	Point of Interest									Ar	nnual Aver	age Nightly	(2200-070	0) Probabi	lity of Awa	kening (%)	(1)						
				All	:1A	Change No A		Alt	-1D		e from	Ale	1C	_	e from	Ale	1D	Change No A		Alt	.1E	Change No A	
			Related		Windows	Windows	Windows		Windows	Windows	Windows	Windows	Windows	Windows	Windows	Windows		Windows	Windows		Windows	Windows	Windows
Туре	ID	Description	Field	Open	Closed	Open	Closed	Open	Closed	Open	Closed	Open	Closed	Open	Closed	Open	Closed	Open	Closed	Open	Closed	Open	Closed
	R01	Sullivan Rd	Ault	70%	54%	8%	8%	74%	58%	12%	12%	79%	64%	17%	18%	71%	55%	9%	9%	78%	62%	16%	16%
	R02	Salal St. and N. Northgate Dr	Ault	52%	37%	8%	6%	55%	40%	11%	9%	61%	45%	17%	14%	53%	38%	9%	7%	60%	44%	16%	13%
	R03	Central Whidbey	Ault	21%	11%	4%	2%	23%	12%	6%	3%	26%	14%	9%	5%	22%	12%	5%	3%	26%	14%	9%	5%
	R04	Pull and Be Damned Point	Ault	27%	13%	6%	4%	28%	13%	7%	4%	31%	14%	10%	5%	27%	13%	6%	4%	30%	13%	9%	4%
	R05	Snee-Oosh Point	Ault	22%	8%	6%	3%	23%	8%	7%	3%	25%	8%	9%	3%	22%	8%	6%	3%	25%	8%	9%	3%
	R06	Admirals Dr and Byrd Dr	OLF	45%	32%	36%	26%	28%	19%	19%	13%	12%	8%	3%	2%	41%	29%	32%	23%	17%	11%	8%	5%
	R07	Race Lagoon	OLF	22%	10%	17%	8%	14%	6%	9%	4%	7%	2%	2%	-	20%	9%	15%	7%	9%	3%	4%	1%
	R08	Pratts Bluff	OLF	16%	11%	12%	9%	10%	6%	6%	4%	4%	2%	-	-	15%	9%	11%	7%	6%	3%	2%	1%
	R09	Cox Rd and Island Ridge Way	OLF	14%	9%	11%	7%	8%	5%	5%	3%	3%	2%	-	-	12%	8%	9%	6%	4%	3%	1%	1%
l ig	R10	Skyline	None	8%	3%	2%	1%	9%	3%	3%	1%	11%	3%	5%	1%	9%	3%	3%	1%	10%	3%	4%	1%
<u>ē</u>	R11	Sequim	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Residentia ^[2]	R12 R13	Port Angeles  Beverly Beach, Freeland	None OLF	1% 7%	- 0%	1% 5%	-	1% 4%		1% 2%	-	1% 2%	0% -	1% -	-	0% 6%	0% -	- 4%	-	1% 2%	0% -	1% -	-
	R14	E Sleeper Rd & Slumber	Ault	46%	33%	6%	5%	50%	36%	10%	8%	56%	41%	16%	13%	47%	34%	7%	6%	54%	40%	14%	12%
	D.1.	Ln Division	015	000/	4.40/	450/	400/	000/	00/	00/	F0/	450/	40/	407		0.407	400/	400/	00/	400/	<b>5</b> 0/	F0/	40/
	R15 R16	Long Point Manor Rocky Point Heights	OLF OLF	26% 12%	14%	15%	10% 1%	20%	9%	9% 3%	5% 1%	15%	4% 4%	4% 4%	- 1%	24% 12%	13%	13%	9% 1%	16% 14%	5% 4%	5% 4%	1% 1%
I - 1	R17	Port Townsend	None	12%	4%	2%	1%	13% 1%	4%	3%	1%	14% 0%	4%	-1%	1%	12%	4%	2%	1%	14%	4%	4%	1%
	R18	Marrowstone Island	None	-	-	-	-	- 170	-	-	-	0%	-	-170	-	- 176	-	-	-	0%	-	-	-
	R19	(Nordland) Island Transit Offices, Coupeville	OLF	37%	24%	27%	19%	24%	14%	14%	9%	12%	6%	2%	1%	34%	22%	24%	17%	16%	8%	6%	3%
	R20	South Lopez Island (Agate Beach)	None	4%	1%	1%	-	4%	1%	1%	-	3%	1%	_	-	3%	1%	-	-	3%	1%	-	-
	S01	Oak Harbor High School	Ault	27%	16%	5%	3%	29%	18%	7%	5%	33%	21%	11%	8%	28%	17%	6%	4%	32%	20%	10%	7%
	S02	Crescent Harbor Elementary School	Ault	28%	17%	5%	4%	30%	18%	7%	5%	34%	21%	11%	8%	29%	18%	6%	5%	33%	21%	10%	8%
ial)	S03	Coupeville Elementary School	OLF	19%	12%	14%	9%	12%	7%	7%	4%	5%	3%	-	-	17%	11%	12%	8%	7%	4%	2%	1%
enti	S04	Anacortes High School	Ault	3%	1%	1%	-	3%	1%	1%	-	3%	1%	1%	-	3%	1%	1%	-	3%	1%	1%	-
residential)	S05	Lopez Island School	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(near re	S06	Friday Harbor Elementary School	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	S07	Sir James Douglas Elementary School	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
လွ	S08	Fidalgo Elementary School	Ault	10%	3%	3%	1%	10%	3%	3%	1%	11%	3%	4%	1%	10%	3%	3%	1%	11%	3%	4%	1%
	S09	La Conner Elementary School	Ault	11%	5%	3%	2%	11%	6%	3%	3%	11%	5%	3%	2%	11%	5%	3%	2%	11%	5%	3%	2%
	S10	Elger Bay Elementary School	OLF	0%	0%	-	-	0%	0%	-	-	0%	0%	-	-	0%	0%	-	-	0%	0%	-	-

(2) R01 and R06 include interior SELs greater than 100 dB with windows open

Table A7.3-8 Indoor Speech Interference for the High-Tempo FCLP Year, Alternative 1

		Point of Interest												aily Indoor ents per Ho									
				Ale	t1A	_	ge from action	Alt	1B	_	ge from action	Alt	10		ge from Action	ΔH	1D	Chang No A	e from	Alt1E			ge from Action
			Related	Windows				Windows	Windows	Windows		Windows		Windows		Windows	Windows	Windows	Windows		- Vindows	Windows	
Туре	ID	Description	Field	Open	Closed	Open	Closed	Open	Closed	Open	Closed	Open	Closed	Open	Closed	Open	Closed	Open	Closed	Open	Closed	Open	Closed
	R01	Sullivan Rd	Ault	9	9	+1	+1	10	10	+2	+2	10	10	+2	+2	9	9	+1	+1	10	10	+2	+2
	R02 R03	Salal St. and N. Northgate Dr Central Whidbey	Ault	9	9	+1	+1	9	9	+1	+1	10 6	10	+2	+2	9 5	9	+1	+1	10	10	+2 +1	+2
	R04	Pull and Be Damned Point	Ault Ault	5 3	1	+1	-	6 3	1	+1 +1	-	3	1	+1	-	3	1	+1	-	6 3	1	+1	-
	R05	Snee-Oosh Point	Ault	2	1	-	-	2	1	-	-	2	1	-	-	2	1	-	-	2	1	-	-
	R06	Admirals Dr and Byrd Dr	OLF	2	2	+2	+2	1	1	+1	+1	1	1	+1	+1	2	2	+2	+2	1	1	+1	+1
	R07	Race Lagoon	OLF	2	1	+1	+1	1	1	-	+1	1	-	-	-	2	1	+1	+1	1	-	-	-
	R08	Pratts Bluff	OLF	2	1	+2	+1	1	1	+1	+1	1	-	+1	-	2	1	+2	+1	1	-	+1	-
<u>10</u>	R09	Cox Rd and Island Ridge Way	OLF	1	-	+1	-	1	-	+1	-	-	-	-	-	1	-	+1	-	1	-	+1	-
lent	R10	Skyline	None	-	-	-	-	-	-	-	-	1	-	+1	-	1	-	+1	-	1	-	+1	
Residential	R11	Sequim Port Angeles	None None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
~	R13	Beverly Beach, Freeland	OLF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	R14	E Sleeper Rd & Slumber Ln	Ault	9	8	+1	+1	9	8	+1	+1	10	9	+2	+2	9	8	+1	+1	10	9	+2	+2
	R15	Long Point Manor	OLF	3	2	+2	+1	2	1	+1	-	1	1	-	-	3	2	+2	+1	2	1	+1	-
	R16	Rocky Point Heights	OLF	2	1	-	-	2	1	-	-	2	1	-	-	2	1	-	-	2	1	-	
	R17	Port Townsend Marrowstone Island	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	R18	(Nordland) Island Transit Offices,	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	R19	Coupeville	OLF	2	2	+1	+1	2	1	+1	-	1	1	-	-	2	2	+1	+1	1	1	-	-
	R20	South Lopez Island (Agate Beach)	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	S01	Oak Harbor High School	Ault	6	2	-	-	7	3	+1	+1	7	3	+1	+1	7	3	+1	+1	7	3	+1	+1
	S02	Crescent Harbor Elementary School	Ault	5	2	-	-	6	2	+1	-	7	3	+2	+1	6	2	+1	-	6	3	+1	+1
residential)	S03	Coupeville Elementary School	OLF	2	1	+1	+1	2	1	+1	+1	1	-	-	-	2	1	+1	+1	1	1	-	+1
ider	S04	Anacortes High School	Ault	-	-	-	-	-	-	-	<u> </u>	-	-	-	-	-	-	-	-	-	-	-	
	S05 S06	Lopez Island School Friday Harbor Elementary School	None None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
School (near	S07	Sir James Douglas	None	-	-				-								-	-	-				-
Scho	S08	Elementary School Fidalgo Elementary		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	_	-
	S09	School La Conner Elementary School	Ault	- 1	-	-	-	- 1		-	-	- 1			-	- 1		-	-	- 1		-	-
	S10	Elger Bay Elementary	Ault OLF						1		+1	1				1		-	-	1	-	-	<del>-</del>
	0.0	School	OLI .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table A7.3-9 Classroom Learning Interference for the High-Tempo FCLP Year, Alternative 1

						Alt1A			Change from No Action					
		Representative School Location				Indo					Indo			
		respressmanre conser accusen				dows		dows			ndows		dows	
		<u> </u>		Outdoor	O	oen Events	Clo	sed Events	Outdoor	O	pen Events	Ck	osed Events	
			Related	L _{eq(8h)}	L _{eq(8h)}	per	L _{eq(8h)}	per	L _{eq(8h)}	L _{eq(8h)}	per	L _{eq(8h)}	per	
Туре	ID	Description	Field	(dB)	(dB)	Hour ⁽²⁾	(dB)	Hour ⁽²⁾	(dB)	(dB)	Hour ⁽²⁾	(dB)	Hour ⁽²⁾	
	DOO			58	<45	5							_	
School	R03	Central Whidbey	Ault	58	<45	5	<45	-	+1	+1	+1	+1	-	
School Surrogate	R11	Sequim	None	<45	<45	-	<45	-	+1	+1	-	+1	-	
	S01	Oak Harbor High School	Ault	57	<45	6	<45	2			+1	l	-	
	S02	Crescent Harbor Elementary School	Ault	68	53	5	<45	2	+1	+1	+1	+1	-	
	S03	Coupeville Elementary School	OLF	57	<45	2	<45	1	+5	+5	+2	+5	+1	
	S04	Anacortes High School	Ault	47	<45	-	<45	-	+1	+1	-	+1	-	
0	S05	Lopez Island School	None	<45	<45	-	<45	-	+1	+1	-	+1	-	
School	S06	Friday Harbor Elementary School	None	<45	<45	-	<45	-	-	-	<del>  -</del>	-	-	
0)	S07	Sir James Douglas Elementary School	None	<45	<45	-	<45	-	-3	-3	-	-3	-	
	S08	Fidalgo Elementary School	Ault	49	<45	-	<45	-	-	-	-	-	-	
	S09	La Conner Elementary School	Ault	51	<45	1	<45	-	+1	+1	-	+1	-	
	S10	Elger Bay Elementary School	OLF	<45	<45	-	<45	-	+1	+1	-	+1	-	
		Number of Sites Exceeding				4		2			1		_	
		1 Intrusive Event per Hour Minimum Number of Intrusive Events						_			<u> </u>			
		per Hour if Exceeding 1				2		2			+2		-	
		Maximum Number of Intrusive Events				6		2			+2		_	
		per Hour if Exceeding 1  Point of Interest				Alt1B					from No	Antin		
(D)			1		l				C	nange	Irom NC	ACTIO		
School	R03	Central Whidbey	Ault	58	<45	5	<45	-	+1	+1	+1	+1	-	
School Surrogate	R11	Sequim	None	<45	<45	-	<45	-	+1	+1	-	+1	-	
	S01	Oak Harbor High School	Ault	58	<45	7	<45	2	+1	+1	+2	+1	-	
	S02	Crescent Harbor Elementary School	Ault	68	53	6	<45	2	+1	+1	+2	+1	-	
	S03	Coupeville Elementary School	OLF	55	<45	1	<45	1	+3	+3	+1	+3	+1	
0	S04	Anacortes High School	Ault	47	<45	-	<45	-	+1	+1	<u> </u>	+1	-	
School	S05 S06	Lopez Island School Friday Harbor Elementary School	None None	<45 <45	<45 <45	-	<45 <45	-	-	-	-	-	-	
S	S07	Sir James Douglas Elementary School	None	<45	<45	-	<45	-	-3	-3	-	-3	-	
	~~~~~~	Fidalgo Elementary School	Ault	50	<45	-	<45	-	+1	+1	-	+1	-	
	S09	La Conner Elementary School	Ault	52	<45	1	<45	-	+2	+2		+2	-	
	S10	Elger Bay Elementary School Number of Sites Exceeding	OLF	<45	<45	-	<45	-	+1	+1	-	+1	-	
		1 Intrusive Event per Hour				3		2			2		-	
		Minimum Number of Intrusive Events per Hour if Exceeding 1				5		2			+2		-	
		Maximum Number of Intrusive Events				7		2			+2		_	
		per Hour if Exceeding 1 Point of Interest				Alt1C			С	hange	from No	Actio	n	
ate	R03	Central Whidbey	Ault	58	<45	6	<45	_	+1	+1	+2	+1	_	
School	1100	Contract vymascy	Adit	30	\ 1 0	U	\ 		- ' '	· · ·	12	- ' '		
Sur	R11	Sequim	None	<45	<45	-	<45	-	+1	+1	-	+1	-	
	S01	Oak Harbor High School	Ault	58	<45	7	<45	3	+1	+1	+2	+1	+1	
		Crescent Harbor Elementary School	Ault	68	53	6	<45	3	+1	+1	+2	+1	+1	
	S03 S04	Coupeville Elementary School Anacortes High School	OLF Ault	52 47	<45 <45	1 	<45 <45	-	- +1	+1	+1	+1	-	
ō	S04 S05	Lopez Island School	None	<45	<45 <45	-	<45 <45	-	+1	+1	-	+1	-	
School	S06	Friday Harbor Elementary School	None	<45	<45	-	<45	-	-	-	-	-	-	
S		Sir James Douglas Elementary School	None	<45	<45	-	<45	-	-3	-3	-	-3	-	
	S08	Fidalgo Elementary School	Ault	50	<45	-	<45	-	+1	+1	-	+1	-	
	S09	La Conner Elementary School	Ault	51	<45	1	<45	-	+1	+1	-	+1	-	
	S10	Elger Bay Elementary School	OLF	<45	<45	-	<45	-	+1	+1	-	+1	-	
		Number of Sites Exceeding 1 Intrusive Event per Hour			3		2			3		-		
		Minimum Number of Intrusive Events per Hour if Exceeding 1			6		3			+2		-		
		Maximum Number of Intrusive Events per Hour if Exceeding 1			7		3			+2		-		
		por riodi il Exocoding i												

(1) assumes 15 dB and 25 dB of Noise Level Reductions for windows open and closed, respectively.

(2) Number of Average School-Day Events per hour during 8-hour school day (0800-1600) At or Above an Indoor Maximum (single-event) Sound Level (L_{max}) of 50 dB;

Table A7.3-9 Classroom Learning Interference for High-Tempo FCLP Year, Alternative 1 (concluded)

					Alt1D		Change from No Action								
						Indo	or ⁽¹⁾			Indoor (1)					
		Representative School Location			Wir	idows	Win	dows		Wir	dows	Wir	idows		
					0	pen	Clo	Closed		0	oen	Ck	osed		
				Outdoor		Events		Events	Outdoor		Events		Events		
			Related	L _{eq(8h)}	L _{eq(8h)}	per	L _{eq(8h)}	per	L _{eq(8h)}	L _{eq(8h)}	per	L _{eq(8h)}	per		
Туре	ID	Description	Field	(dB)		Hour ⁽²⁾		Hour ⁽²⁾	(dB)	(dB)	Hour ⁽²⁾	(dB)	Hour ⁽²⁾		
								rioui					i loui		
School	R03	Central Whidbey	Ault	58	<45	5	<45	-	+1	+1	+1	+1	-		
ch rog															
School Surrogate	R11	Sequim	None	<45	<45	-	<45	-	+1	+1	-	+1	-		
	S01	Oak Harbor High School	Ault	57	<45	6	<45	2		-	+1	-	-		
		Crescent Harbor Elementary School	Ault	68	53	5	<45	2	+1	+1	+1	+1	-		
		Coupeville Elementary School	OLF	57	<45	2	<45	1	+5	+5	+2	+5	+1		
	S04	Anacortes High School	Ault	47	<45	-	<45	- '	+1	+1	- '-	+1	-		
_	S05	Lopez Island School	None	<45	<45	-	<45	-	+1	+1	-	+1			
School	S06	Friday Harbor Elementary School	None	<45	<45	-	<45	-	+1	-	-	-	-		
Sch	300		None	<40	<40	-	<45	-	+1		-		-		
0)	S07	Sir James Douglas Elementary School	None	<45	<45	-	<45	-	+1	+1	-	+1	-		
	S08	Fidalgo Elementary School	Ault	49	<45	-	<45	-	_		_		-		
										-	-		_		
	S09	La Conner Elementary School	Ault OLF	51	<45	1	<45	-	+1	+1		+1			
	S10	Elger Bay Elementary School	<45	<45	-	<45	-	+1	+1	-	+1	-			
		Number of Sites Exceeding			4		2			1		_			
		1 Intrusive Event per Hour			·		_			·					
		Minimum Number of Intrusive Events				5		2			+2		_		
		per Hour if Exceeding 1				Ů		_							
		Maximum Number of Intrusive Events				6		2			+2		_		
		per Hour if Exceeding 1													
		Point of Interest	•			Alt1E			С	hange	from No	Actio	n		
School Surrogate	R03	Central Whidbey	Ault	58	<45	6	<45	_	+1	+1	+2	+1	_		
po og	1100	Contract Williaboy	, tale		110		110								
School	R11	Sequim	None	<45	<45	_	<45	_	+1	+1	_	+1	_		
S		'													
	S01	Oak Harbor High School	Ault	58	<45	7	<45	3	+1	+1	+2	+1	+1		
		Crescent Harbor Elementary School	Ault	68	53	6	<45	2	+1	+1	+2	+1	-		
	S03	Coupeville Elementary School	OLF	53	<45	1	<45	-	+1	+1	+1	+1	-		
_	S04	Anacortes High School	Ault	47	<45	-	<45	-	+1	+1	-	+1	-		
School	S05	Lopez Island School	None	<45	<45	-	<45	-	+2	+2	-	+2	-		
လွ		Friday Harbor Elementary School	None	<45	<45	-	<45	-	+1	-	-	-	-		
	S07	Sir James Douglas Elementary School	None	<45	<45	-	<45	-	+1	+1	-	+1	-		
		Fidalgo Elementary School	Ault	50	<45	-	<45	-	+1	+1	-	+1	-		
	S09	La Conner Elementary School	Ault OLF	51	<45	1	<45	-	+1	+1	-	+1	-		
	S10	Elger Bay Elementary School	<45	<45	-	<45	-	+1	+1	-	+1	-			
		Number of Sites Exceeding			3		2			3		_			
		1 Intrusive Event per Hour													
		Minimum Number of Intrusive Events			6		2			+2		-			
		per Hour if Exceeding 1									_				
		Maximum Number of Intrusive Events				7		3			+2		-		
		per Hour if Exceeding 1													

Notes:
(1) assumes 15 dB and 25 dB of Noise Level Reductions for windows open and closed, respectively.

Table A7.3-10 Recreational Speech Interference for High-Tempo FCLP Year, Alternative 1

								Ar	nnual A	Average	Outd	oor Da NA 50	ily Day	time E	vents	per Ho	ur,			
		ntative Park Receptor		Alt1A		ease re Alt1B Action			Increase re No Action			:1C	Increase re No Action				No A	ncrease re No Action		:1E
Type	ID	Description	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
	P01	Joseph Whidbey State Park	9	2	+1	-	9	2	+1	-	10	3	+2	+1	9	2	+1	-	10	3
	P02	Deception Pass State Park	9	2	+1	-	9	2	+1	-	10	3	+2	+1	9	2	+1	-	10	3
	P03	Dugualla State Park	8	2	-	-	9	2	+1	-	9	3	+1	+1	9	2	+1	-	9	3
								 												
	P04	Baseball Field (Ebey's Landing National Historical Reserve)	5	1	+2	-	4	1	+1	-	3	1	-	-	5	1	+2	-	4	1
	P05	Ebey's Landing State Park	4	1	+2	+1	3	1	+1	+1	3	1	+1	+1	4	1	+2	+1	3	1
	P06	Fort Casey State Park	3	1	+2	+1	2	1	+1	+1	1		-	-	3	1	+2	+1	2	
	P07	Cama Beach State Park	5	1	+2	+1	4	1	+1	+1	3	1	-	+1	5	1	+2	+1	4	1
	P08	Port Townsend	2	1	+1	+1	2	1	+1	+1	1		-	-	2	1	+1	+1	1	
	P09	Moran State Park		-	-	-		-	-	-	-	-	-	-		-	-	-		-
Park	1 00				·····		***********		······				,	,						
Pa	P10	San Juan Islands National Monument San Juan Island Visitors	8	2	+1	-	9	2	+2	-	9	3	+2	+1	8	2	+1	-	9	3
	P11 P12	Center	-	-	-	-	-	-	-	-	1	-	- +1	-	-	-	-	-	- 1	-
1		Cap Sante Park				-	<u> </u>	ļ				L			1	<u> </u>	+1	-		
	P13	Lake Campbell	5	1	+1	-	5	1	+1	-	5	2	+1	+1	5	1	+1	-	5	2
	P14	Spencer Spit State Park	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P15	Pioneer Park	4	1	-	-	4	1	-	-	4	1	-	-	4	1	-	-	4	1
	P16	Marrowstone Island (Fort Flagler)	2	1	+2	+1	1	-	+1	-	-	-	-	-	1	1	+1	+1	1	-
	EBLA001	Reuble Farm	4	1	+2	+1	3	1	+1	+1	2	-	-	-	4	1	+2	+1	3	1
	EBLA002	Ferry House	4	1	+2	+1	3	1	+1	+1	2	-	-	-	4	1	+2	+1	3	1
	R01	Sullivan Rd	9	2	+1		10	3	+2	+1	10	3	+2	+1	9	2	+1		10	3
	R02	Salal St. and N. Northgate Dr	9	2	+1	-	10	3	+2	+1	10	3	+2	+1	9	2	+1	-	10	3
	R03	Central Whidbey	8	2	+1	-	9	2	+2	-	9	3	+2	+1	8	2	+1	-	9	3
	R04	Pull and Be Damned Point	8	2	+1	-	9	2	+2	-	9	3	+2	+1	9	2	+2	-	9	3
	R05	Snee-Oosh Point	8	2	+1	-	8	2	+1	-	9	3	+2	+1	8	2	+1	-	9	3
	R06	Admirals Dr and Byrd Dr	3	1	+2	+1	2	1	+1	+1	1	-	-	-	3	1	+2	+1	2	-
	R07	Race Lagoon	5	1	+2		4	1	+1		3	1		-	4	1	+1		3	1
	R08	Pratts Bluff		1	+2		2	1	+1		1				3	1		+1	2	
	R09	Cox Rd and Island Ridge Way	3 2	1	+1	+1 +1	2	1	+1	+1 +1	1	-	-	-	2	1	+2 +1	+1	1	-
_													g	y						
Iţia	R10	Skyline	4	1	_	-	4	1	-	-	5	2	+1	+1	4	1	-	-	5	2
Residential	R11	Sequim	1	-	+1	-	1	-	+1	-	1	-	+1	-	1	-	+1	-	1	-
Si.	R12	Port Angeles	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-
Re	R13	Beverly Beach, Freeland	1		+1	-	1	-	+1	-	-	-	-	-	1	-	+1	-	-	-
	R14	E Sleeper Rd & Slumber Ln	9	2	+1	-	10	2	+2	-	10	3	+2	+1	9	2	+1	-	10	3
1	R15	Long Point Manor	8	3	+1	+1	9	3	+2	+1	8	3	+1	+1	9	3	+2	+1	8	3
1									***********											
1	R16	Rocky Point Heights	5	2	+1	+1	5	2	+1	+1	5	2	+1	+1	5	2	+1	+1	5	2
	R17	Port Townsend	2	1	+1	+1	1	ļ -	-	-	-	-	-1	-	1	1	-	+1	1	-
	R18	Marrowstone Island (Nordland)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	R19	Island Transit Offices, Coupeville	5	2	+2	+1	4	1	+1	-	3	1	-	-	5	1	+2	-	4	1
	R20	South Lopez Island (Agate Beach)	4	1	+1	-	4	1	+1	-	4	1	+1	-	4	1	+1	-	4	1
	S01	Oak Harbor High School	9	2	+1	-	9	2	+1	-	10	3	+2	+1	9	2	+1	-	10	3
1		Crescent Harbor Elementary												,	***************************************					
	S02 S03	School	8 5	2	+1 +2	-	9	2	+2 +1	-	9	3 1	+2	+1	9	2	+2 +1	-	9	3
1		Coupeville Elementary School			***************************************	ļ <u>-</u>	************											ļ <u>-</u>		
1	S04	Anacortes High School	1	-	-	-	1	-	-	-	11	-	-	-	1	-	-	-	1	-
School	S05 S06	Lopez Island School Friday Harbor Elementary	-	-	-			-	-		-	-	<u>-</u> -	-	-	-	-	-	-	-
Sct		School Sir James Douglas	-									_		-	-	-				-
	S07 S08	Elementary School Fidalgo Elementary School	-	- 1	-	-	- 5	- 1	- 1	-	- 5	- 2	- +1	- +1	- 5	- 1	- +1	-	- 5	1
	S08 S09	La Conner Elementary School	4	1	+1	-	5 4	1	+1	-	4	1	+1	+1	5 4	1	+1	-	4	1
	S10	Elger Bay Elementary School	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-
								•		•			•			•				

Table A7.4-1 Estimated Acreage and Population within the DNL Contour Ranges¹ for the NAS Whidbey Island Complex, Alternative 2 (High-Tempo FCLP Year)²,³

				DNL Con	tour Ranges			
						an or equal		
	65 to <70 d	B DNL	70 to <75	dB DNL	to 75 dB D	NL .	Total	
	Area		Area		Area		Area	
	(acres)	Pop⁴	(acres)	Pop⁴	(acres)	Pop⁴	(acres)	Pop⁴
Ault Field								
No Action Alternative							_	
High-Tempo FCLP Year	3,503	3,347	3,260	2,677	5,864	3,530	12,628	9,554
Alternative 2								
Scenario A (20/80 FCLP	4,085	3,738	3,272	1,929	5,950	3,516	13,306	9,183
split)	(+582)	(+391)	(+12)	(-748)	(+86)	(-14)	(+678)	(-371)
Scenario B (50/50 FCLP	3,952	3,661	3,267	2,491	6,492	3,814	13,712	9,966
split)	(+449)	(+314)	(+7)	(-186)	(+628)	(+284)	(+1,084)	(+412)
Scenario C (80/20 FCLP	3,992	3,766	3,139	2,517	6,845	3,962	13,975	10,245
split)	(+489)	(+419)	(-121)	(-160)	(+981)	(+432)	(+1,347)	(+691)
Scenario D (30/70	4,025	3,753	3,244	2,225	6,192	3,630	13,461	9,608
FCLP split)	(+522)	(+406)	(-16)	(-452)	(+328)	(+100)	(+833)	(+54)
Scenario E (70/30 FCLP	3,968	3,721	3,162	2,486	6,743	3,909	13,873	10,116
split)	(+465)	(+374)	(-98)	(-191)	(+879)	(+379)	(+1,245)	(+562)
OLF Coupeville								
No Action Alternative								
High-Tempo FCLP Year	3,718	881	3,054	786	637	583	7,409	2,250
Alternative 2	T	1				1	1	
Scenario A (20/80 FCLP		562	3,282	949	5,324	1,938	10,168	3,449
split)	(-2,156)	(-319)	(+228)	(+163)	(+4,687)	(+1,355)	(+2,759)	(+1,199)
Scenario B (50/50 FCLP	2,062	561	3,461	1,060	3,920	1,496	9,443	3,117
split)	(-1,656)	(-320)	(+407)	(+274)	(+3,283)	(+913)	(+2,034)	(+867)
Scenario C (80/20 FCLP	3,447	1,027	3,176	1,042	1,629	736	8,252	2,805
split)	(-271)	(+146)	(+122)	(+256)	(+992)	(+153)	(+843)	(+555)
Scenario D (30/70	1,586	527	3,426	1,006	4,968	1,830	9,980	3,363
FCLP split)	(-2,132)	(-354)	(+372)	(+220)	(+4,331)	(+1,247)	(+2,571)	(+1,113)
Scenario E (70/30 FCLP	2,922	825	3,224	1,051	2,718	1,073	8,865	2,950
split)	(-796)	(-56)	(+170)	(+265)	(2,081)	(+490)	(+1,456)	(+700)
NAS Whidbey Island Co No Action Alternative	тріех							
	7 221	4 220	6 215	2.462	6.502	4 112	20.027	11 004
High-Tempo FCLP Year Alternative 2	7,221	4,228	6,315	3,463	6,502	4,113	20,037	11,804
	E 647	4 200	6 5 5 4	2 970	11 272	E 4E4	22 474	12 622
Scenario A (20/80 FCLP split)	5,647 (-1,574)	4,300 (+72)	6,554 (+239)	2,879 (-584)	11,273 (+4,771)	5,454 (+1,341)	23,474 (+3,437)	12,632 (+828)
Scenario B (50/50 FCLP	6,015	4,222	6,728	3,551	10,412	5,310	23,156	13,083
split)	(-1,206)	(-6)	(+413)	(+88)	(+3,910)	(+1,197)	(+3,119)	(+1,279)
Scenario C (80/20 FCLP	7,439	4,793	6,315	3,559	8,474	4,698	22,228	13,050
split)	(+218)	(+565)	(0)	(+96)	(+1,972)	(+585)	(+2,191)	(+1,246)
Scenario D (30/70	5,612	4,280	6,670	3,231	11,159	5,460	23,441	12,972
FCLP split)	(-1,609)	(+52)	(+355)	(-232)	(+4,657)	(+1,347)	(+3,404)	(+1,168)
Scenario E (70/30 FCLP	6,890	4,546	6,386	3,538	9,461	4,982	22,738	13,065
split)	(-331)	(+318)	(+71)	(+75)	(+2,959)	(+869)	(+2,701)	(+1,261)
~P¢/	\ 33-1	(.510)	11.,+1	(, , 5)	(-, 555)	1.000/	(. 2, / 0 1)	(, 20 -)

Table A7.4-1 Estimated Acreage and Population within the DNL Contour Ranges¹ for the NAS Whidbey Island Complex, Alternative 2 (High-Tempo FCLP Year)^{2,3}

	DNL Conto	ur Ranges	
		Greater than or equal	
65 to <70 dB DNL	70 to <75 dB DNL	to 75 dB DNL	Total
Area (acres) Pop ⁴	Area (acres) Pop ⁴	Area (acres) Pop ⁴	Area (acres) Pop ⁴

- ¹ All five scenarios are outlined in Section 2.3.3, where the split represents the percent of FCLPs conducted at Ault Field and OLF Coupeville, respectively (i.e., 20/80 FCLP split = 20 percent of FCLPs at Ault Field and 80 percent of FCLPs at OLF Coupeville).
- ² Acreage presented does not include areas over water or areas over the NAS Whidbey Island complex.
- The difference between the No Action Alternative and Alternative 1 is noted in parentheses.
- Population counts of people within the DNL contour ranges were computed using 2010 Census block-level data. The percent area of the census block covered by the DNL contour range was applied to the population of that census block to estimate the population within the DNL contour range (e.g., if 25 percent of the census block is within a DNL contour range, then 25 percent of the population is included in the population count). This calculation assumes an even distribution of the population across the census block, and it excludes population on military properties within the DNL contour ranges (NAS Whidbey Island [Ault Field], the Seaplane Base, and OLF Coupeville). All population estimates for areas within the dB DNL contours utilized 2010 U.S. Census Bureau data. A 7.1-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 for Island County during that period (Washington State Office of Financial Management, 2017). To simplify the analysis, this growth factor was also used for areas of Skagit County that fall within the 65+ dB DNL contours. These data should be used for comparative purposes only and are not considered actual numbers within the DNL contour range.
- ⁵ Numbers have been rounded to ensure totals sum.

Key:

dB = decibel

DNL = day-night average sound level FCLP = Field Carrier Landing Practice

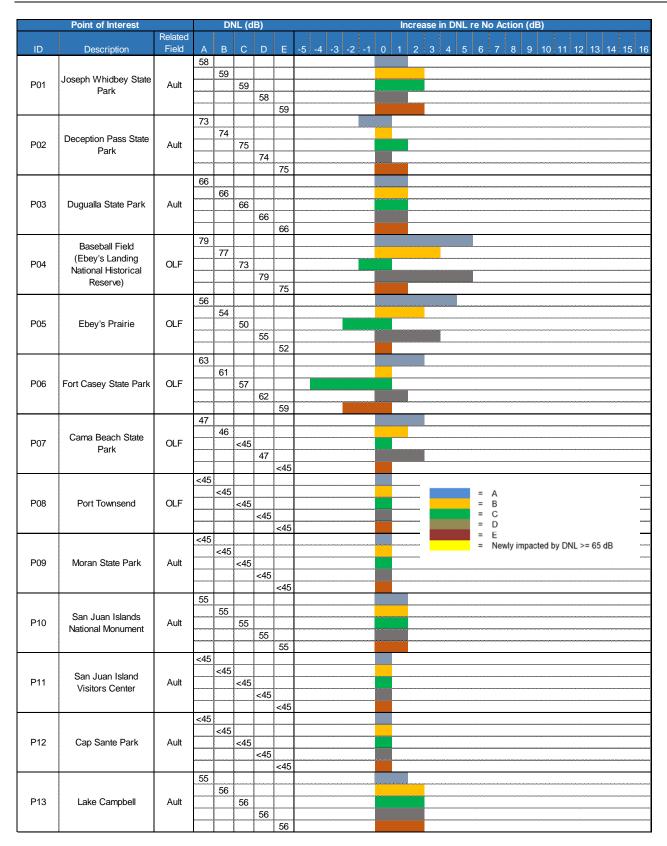


Figure A7.4-1 Estimated Aircraft DNL at POIs for the High-Tempo FCLP Year, Alternative 2

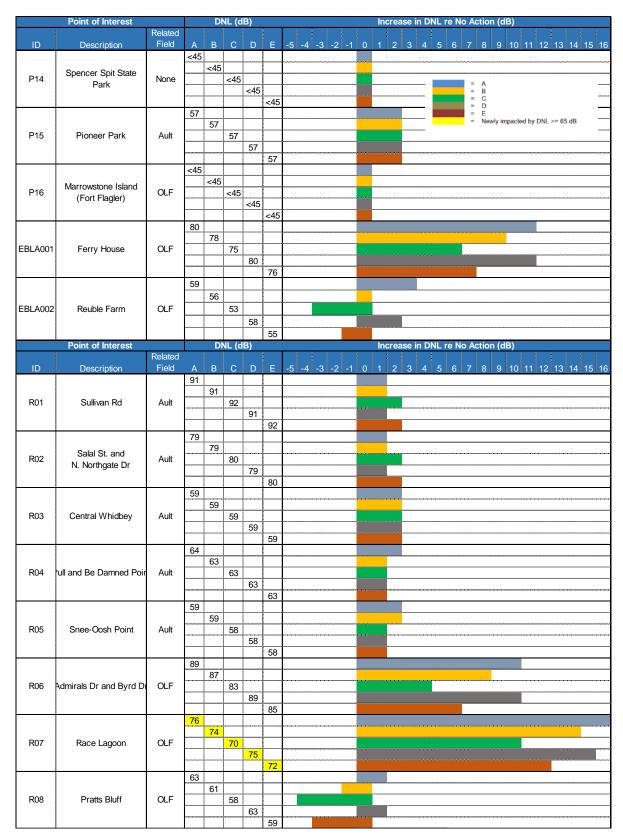


Figure A7.4-1. Estimated Aircraft DNL at POIs for the High-Tempo FCLP Year, Alternative 2 (continued)

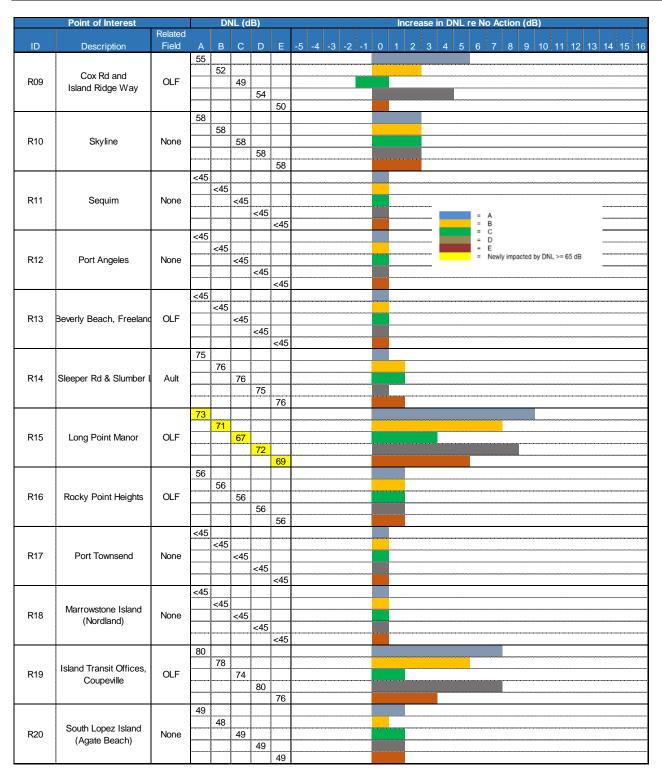


Figure A7.4-1. Estimated Aircraft DNL at POIs for the High-Tempo FCLP Year, Alternative 2 (continued)

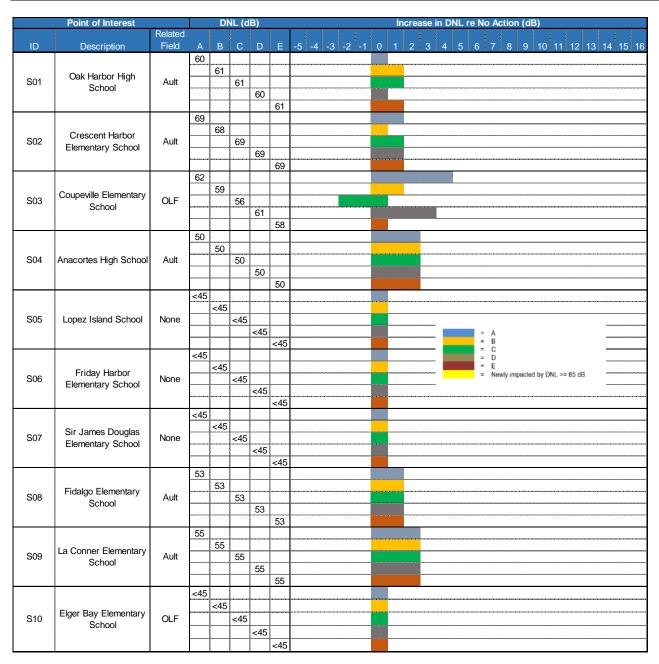


Figure A7.4-1. Estimated Aircraft DNL at POIs for the High-Tempo FCLP Year, Alternative 2 (concluded)

Table A7.4-2 Estimated Potential Hearing Loss for the High-Tempo FCLP Year, Alternative 2A

Band		10 th								
of	Average	Percentile		Estimated	Population		Ch	ange in popula	ation re No Actior	1
L _{eq(24)}	NIPTS	NIPTS	Ault Field	Ault Field	OLF Coupeville		Ault Field	Ault Field	OLF Coupeville	
(dB)	(dB) ⁽¹⁾	(dB) ⁽¹⁾	(on-Station)	(off-Station)	(off-Station)	TOTAL	(on-Station)	(off-Station)	(off-Station)	TOTAL
74-75	0.5	3.5	-	-	-	-	-	-	-	-
75-76	1.0	4.0	-	-	76	76	-	(0)	44	44
76-77	1.0	4.5	-	127	180	307	-	(28)	134	106
77-78	1.5	5.0	-	275	157	432	-	(1)	112	110
78-79	2.0	5.5	-	160	98	258	-	(9)	74	65
79-80	2.5	6.0	-	138	80	218	-	36	73	108
80-81	3.0	7.0	-	79	70	149	_	4	69	73
81-82	3.5	8.0	-	65	62	127	-	14	62	76
82-83	4.0	9.0	-	49	54	102	_	10	54	64
83-84	4.5	10.0	-	36	63	100	_	0	63	64
84-85	5.5	11.0	-	28	59	88	-	16	59	75
85-86	6.0	12.0	-	10	1	11	-	0	1	1
86-87	7.0	13.5	-	9	0	9	-	2	0	2
87-88	7.5	15.0	-	6	0	6	-	2	0	2
88-89	8.5	16.5	-	4	-	4	-	2	-	2
89-90	9.5	18.0	-	1	-	1	-	1	-	1
90-91	10.5	19.5	-	-	-	-	-	-	-	-
91-92	11.5	21.0	-	-	-	-	-	-	-	-

Table A7.4-3 Estimated Potential Hearing Loss for the High-Tempo FCLP Year, Alternative 2B

Band of	Average	10 th Percentile		Estimated	Population		Cł	nange in popula	ation re No Actior	า
L _{eq(24)}	NIPTS	NIPTS	Ault Field	Ault Field	OLF Coupeville		Ault Field	Ault Field	OLF Coupeville	
(dB)	(dB) ⁽¹⁾	(dB) ⁽¹⁾	(on-Station)	(off-Station)	(off-Station)	TOTAL	(on-Station)	(off-Station)	(off-Station)	TOTAL
74-75	0.5	3.5	-	-	-	-	-	-	-	-
75-76	1.0	4.0	-	2	27	29	-	2	(6)	(4)
76-77	1.0	4.5	114	337	101	552	114	182	55	351
77-78	1.5	5.0	-	353	78	431	-	76	33	109
78-79	2.0	5.5	-	260	69	329	_	91	45	136
79-80	2.5	6.0	_	171	62	234	-	70	55	124
80-81	3.0	7.0	-	104	56	160	-	29	55	84
81-82	3.5	8.0	-	73	64	137	-	22	64	86
82-83	4.0	9.0	-	62	49	111	-	23	49	72
83-84	4.5	10.0	-	38	1	38	-	2	1	2
84-85	5.5	11.0	-	27	0	27	-	15	0	15
85-86	6.0	12.0	-	24	0	24	-	14	0	14
86-87	7.0	13.5	-	9	-	9	-	2	-	2
87-88	7.5	15.0	-	7	-	7	_	3	-	3
88-89	8.5	16.5	-	5	-	5	-	3	-	3
89-90	9.5	18.0	-	2	-	2	-	2	-	2
90-91	10.5	19.5	-	-	-	-	-	-	-	-
91-92	11.5	21.0	-	-	-	-	-	-	-	-

Table A7.4-4 Estimated Potential Hearing Loss for the High-Tempo FCLP Year, Alternative 2C

Band		10 th								
of	Average	Percentile		Estimated	Population		Ch	ange in popula	ation re No Actior	1
L _{eq(24)}	NIPTS	NIPTS	Ault Field	Ault Field	OLF Coupeville		Ault Field	Ault Field	OLF Coupeville	
(dB)	(dB) ⁽¹⁾	(dB) ⁽¹⁾	(on-Station)	(off-Station)	(off-Station)	TOTAL	(on-Station)	(off-Station)	(off-Station)	TOTAL
74-75	0.5	3.5	-	-	-	-	-	-	-	-
75-76	1.0	4.0	-	4	36	40	-	4	4	8
76-77	1.0	4.5	195	293	55	543	195	139	8	342
77-78	1.5	5.0	2	458	64	524	2	181	18	201
78-79	2.0	5.5	-	307	55	361	-	137	31	168
79-80	2.5	6.0	_	271	1	272	_	169	(6)	163
80-81	3.0	7.0	-	146	0	147	-	71	(1)	70
81-82	3.5	8.0	-	82	0	82	-	31	(0)	31
82-83	4.0	9.0	-	66	-	66	-	27	-	27
83-84	4.5	10.0	-	42	-	42	-	6	-	6
84-85	5.5	11.0	-	30	-	30	-	17	-	17
85-86	6.0	12.0	-	29	-	29	-	19	-	19
86-87	7.0	13.5	-	10	-	10	-	3	-	3
87-88	7.5	15.0	-	8	-	8	_	4	-	4
88-89	8.5	16.5	-	5	-	5	-	3	-	3
89-90	9.5	18.0	-	3	-	3	-	3	-	3
90-91	10.5	19.5	-	-	-	-	-	-	-	-
91-92	11.5	21.0	-	-	-	-	-	-	-	-

⁽¹⁾ rounded to nearest 0.5 dB

Note: Average NIPTS values greater than 10 dB, and 10th Percentile NIPTS values greater than 12 dB are estimated based on extrapolating available data from EPA guidance (EPA 1982).

Table A7.4-5 Estimated Potential Hearing Loss for the High-Tempo FCLP Year, Alternative 2D

Band	_	10 th								
of	Average	Percentile		Estimated	l Population				ation re No Action	1
L _{eq(24)}	NIPTS	NIPTS	Ault Field	Ault Field	OLF Coupeville		Ault Field	Ault Field	OLF Coupeville	
(dB)	(dB) ⁽¹⁾	(dB) ⁽¹⁾	(on-Station)	(off-Station)	(off-Station)	TOTAL	(on-Station)	(off-Station)	(off-Station)	TOTAL
74-75	0.5	3.5	-	•	-	-	-	-	-	-
75-76	1.0	4.0	-	0	72	72	-	(0)	39	39
76-77	1.0	4.5	-	149	170	320	-	(5)	124	119
77-78	1.5	5.0	-	317	113	430	-	40	67	108
78-79	2.0	5.5	-	198	88	286	-	29	64	93
79-80	2.5	6.0	-	144	74	218	-	42	67	109
80-81	3.0	7.0	-	89	64	153	-	13	63	76
81-82	3.5	8.0	-	70	57	127	-	18	57	75
82-83	4.0	9.0	-	49	60	109	-	11	60	71
83-84	4.5	10.0	-	37	80	117	-	1	80	81
84-85	5.5	11.0	-	31	3	34	-	18	3	22
85-86	6.0	12.0	-	11	0	11	-	1	0	2
86-87	7.0	13.5	-	9	0	9	-	2	0	2
87-88	7.5	15.0	_	6	0	6	_	2	0	2
88-89	8.5	16.5	-	4	-	4	-	2	-	2
89-90	9.5	18.0	-	1	-	1	-	1	-	1
90-91	10.5	19.5	-	-	-	-	-	-	-	-
91-92	11.5	21.0	-		-	-	-	-	-	-

(1) rounded to nearest 0.5 dB

Table A7.4-6 Estimated Potential Hearing Loss for the High-Tempo FCLP Year, Alternative 2E

Band		10 th								
of	Average	Percentile		Estimated	l Population		Ch	ange in popula	ation re No Action	
L _{eq(24)}	NIPTS	NIPTS	Ault Field	Ault Field	OLF Coupeville		Ault Field	Ault Field	OLF Coupeville	
(dB)	(dB) ⁽¹⁾	(dB) ⁽¹⁾	(on-Station)	(off-Station)	(off-Station)	TOTAL	(on-Station)	(off-Station)	(off-Station)	TOTAL
74-75	0.5	3.5	-	-	-	-	-	-	-	-
75-76	1.0	4.0	-	2	43	45	-	2	11	12
76-77	1.0	4.5	102	331	67	500	102	176	21	299
77-78	1.5	5.0	-	400	60	460	_	123	14	138
78-79	2.0	5.5	-	298	57	355	-	129	33	162
79-80	2.5	6.0	-	237	66	303	-	135	59	194
80-81	3.0	7.0	-	130	37	168	-	55	36	91
81-82	3.5	8.0	-	79	1	80	-	28	1	29
82-83	4.0	9.0	-	64	0	64	-	25	0	26
83-84	4.5	10.0	-	39	0	39	-	3	0	3
84-85	5.5	11.0	-	29	-	29	-	17	-	17
85-86	6.0	12.0	-	26	-	26	-	17	-	17
86-87	7.0	13.5	-	10	-	10	-	3	-	3
87-88	7.5	15.0	-	8	-	8	-	3	-	3
88-89	8.5	16.5	-	5	-	5	-	3	-	3
89-90	9.5	18.0	-	2	-	2	-	2	-	2
90-91	10.5	19.5	-	-	-	-	-	-	-	-
91-92	11.5	21.0	-	-	-	-	-	-	-	-

Table A7.4-7 Average Indoor Nightly Probability of Awakening at Applicable POIs for the High-Tempo FCLP Year, Alternative 2

		Point of Interest								Aı	nnual Avera	age Nightly	(2200-070	0) Probabi	lity of Awa	kening (%)	(1)						
				Alt	t2A	_	ge from Action		t2B	No A	ge from Action		2C	No A	e from action		2D	No A	e from ction	Alt		No A	ge from Action
			Related	Windows	Windows	Windows	Windows	Windows	Windows	Windows	Windows	Windows	Windows	Windows	Windows	Windows	Windows	Windows	Windows	Windows	Windows	Windows	Windows
Type	ID	Description	Field	Open	Closed	Open	Closed	Open	Closed	Open	Closed	Open	Closed	Open	Closed	Open	Closed	Open	Closed	Open	Closed	Open	Closed
	R01	Sullivan Rd	Ault	68%	52%	6%	6%	73%	57%	11%	11%	76%	60%	14%	14%	69%	53%	7%	7%	74%	59%	12%	13%
	R02	Salal St. and N. Northgate Dr	Ault	50%	36%	6%	5%	54%	39%	10%	8%	57%	42%	13%	11%	51%	37%	7%	6%	56%	41%	12%	10%
	R03	Central Whidbey	Ault	20%	11%	3%	2%	23%	12%	6%	3%	24%	13%	7%	4%	21%	11%	4%	2%	23%	12%	6%	3%
	R04	Pull and Be Damned Point	Ault	26%	13%	5%	4%	27%	13%	6%	4%	28%	13%	7%	4%	26%	12%	5%	3%	28%	13%	7%	4%
	R05	Snee-Oosh Point	Ault	21%	8%	5%	3%	22%	8%	6%	3%	23%	8%	7%	3%	21%	8%	5%	3%	23%	8%	7%	3%
	R06	Admirals Dr and Byrd Dr	OLF	39%	28%	30%	22%	25%	17%	16%	11%	13%	8%	4%	2%	35%	25%	26%	19%	18%	12%	9%	6%
	R07	Race Lagoon	OLF	19%	8%	14%	6%	13%	5%	8%	3%	8%	3%	3%	1%	17%	8%	12%	6%	10%	4%	5%	2%
	R08	Pratts Bluff	OLF	14%	9%	10%	7%	9%	5%	5%	3%	5%	3%	1%	1%	13%	8%	9%	6%	6%	4%	2%	2%
_	R09	Cox Rd and Island Ridge Way	OLF	11%	8%	8%	6%	7%	5%	4%	3%	3%	2%	-	-	10%	7%	7%	5%	5%	3%	2%	1%
Residential	R10	Skyline	None	8%	3%	2%	1%	8%	3%	2%	1%	10%	3%	4%	1%	9%	3%	3%	1%	10%	3%	4%	1%
ide	R11	Sequim	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Res	R12	Port Angeles	None	1%	0%	1%		1%	0%	1%		0%	0%	-	_	1%	0%	1%	-	0%	0%	-	-
-	R13	Beverly Beach, Freeland	OLF	6%	_	4%	-	4%	-	2%	_	2%	-	-	-	5%	-	3%	-	3%	-	1%	-
	R14	E Sleeper Rd & Slumber Ln	Ault	45%	31%	5%	3%	49%	35%	9%	7%	52%	38%	12%	10%	46%	32%	6%	4%	51%	37%	11%	9%
	R15	Long Point Manor	OLF	23%	12%	12%	8%	18%	8%	7%	4%	14%	4%	3%	-	22%	11%	11%	7%	16%	6%	5%	2%
	R16	Rocky Point Heights	OLF	11%	4%	1%	1%	12%	4%	2%	1%	13%	3%	3%	-	12%	4%	2%	1%	13%	3%	3%	-
	R17	Port Townsend	None	1%	-	-	-	1%	-	-	-	0%	-	-1%	-	1%	-	-	-	1%	-	-	-
	R18	Marrowstone Island (Nordland)	None	-	-	-	-	-	-	-	-	0%	-	-	-	-	-	-	-	0%	-	-	-
	R19	Island Transit Offices, Coupeville	OLF	32%	21%	22%	16%	22%	13%	12%	8%	13%	6%	3%	1%	29%	18%	19%	13%	17%	9%	7%	4%
	R20	South Lopez Island (Agate Beach)	None	4%	1%	1%	-	3%	1%	-	-	3%	1%	-	-	3%	1%	-	-	3%	1%	-	-
	S01	Oak Harbor High School	Ault	26%	15%	4%	2%	28%	17%	6%	4%	30%	19%	8%	6%	26%	16%	4%	3%	29%	18%	7%	5%
	S02	Crescent Harbor Elementary School	Ault	27%	16%	4%	3%	30%	18%	7%	5%	31%	19%	8%	6%	28%	17%	5%	4%	31%	19%	8%	6%
a)	S03	Coupeville Elementary School	OLF	17%	10%	12%	7%	11%	6%	6%	3%	6%	3%	1%	-	15%	9%	10%	6%	8%	4%	3%	1%
l iii	S04	Anacortes High School	Ault	3%	1%	1%	-	3%	1%	1%	-	3%	1%	1%	-	3%	1%	1%	-	3%	1%	1%	-
residential)	S05	Lopez Island School	None		- 170		-	-			-		- 170		-	-	- 170		-	-		- 1/0	-
sar res	S06	Friday Harbor Elementary School	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
School (near	S07	Sir James Douglas Elementary School	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3ch	S08	Fidalgo Elementary School	Ault	9%	3%	2%	1%	10%	3%	3%	1%	10%	3%	3%	1%	10%	3%	3%	1%	10%	3%	3%	1%
	S09	La Conner Elementary School	Ault	11%	5%	3%	2%	11%	5%	3%	2%	10%	5%	2%	2%	11%	5%	3%	2%	11%	5%	3%	2%
	S10	Elger Bay Elementary School	OLF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table A7.4-8 Indoor Speech Interference for the High-Tempo FCLP Year, Alternative 2

		Point of Interest												aily Indoor [ents per Ho	ur ⁽¹⁾								
				Alt	t2A		ge from Action	Alta	2B	_	e from	Alt	2C	Chang No A		Alt	2D		ge from Action	Alta	2E		ge from Action
			Related		Windows	Windows	Windows	Windows	Windows	Windows	Windows	Windows	Windows	Windows	Windows	Windows		Windows		Windows	Windows	Windows	*
Type	ID	Description	Field	Open	Closed	Open	Closed	Open	Closed	Open	Closed	Open	Closed	Open	Closed	Open	Closed	Open	Closed	Open	Closed	Open	Closed
	R01	Sullivan Rd	Ault	9	9	+1	+1	10	10	+2	+2	10	10	+2	+2	10	10	+2	+2	10	10	+2	+2
	R02	Salal St. and N. Northgate Dr	Ault	9	9	+1	+1	10	10	+2	+2	10	10	+2	+2	9	9	+1	+1	10	10	+2	+2
	R03	Central Whidbey	Ault	5	-	-	-	6	-	+1	-	6	-	+1	-	5	-	-	-	6	-	+1	-
	R04	Pull and Be Damned Point	Ault	3	1	+1	-	3	2	+1	+1	3	1	+1	-	3	1	+1	-	3	1	+1	-
	R05	Snee-Oosh Point	Ault	2	1	-	-	2	1	-	-	2	1	-	-	2	1	-	-	2	1	-	-
	R06	Admirals Dr and Byrd Dr	OLF	2	2	+2	+2	1	1	+1	+1	1	-	+1	-	2	2	+2	+2	1	1	+1	+1
	R07	Race Lagoon	OLF	2	1	+1	+1	1	1	-	+1	1	-	-	-	2	1	+1	+1	1	-	-	-
	R08	Pratts Bluff	OLF	2	1	+2	+1	1	1	+1	+1	1	-	+1	-	2	1	+2	+1	1	-	+1	-
	R09	Cox Rd and Island Ridge Way	OLF	1	-	+1	-	1	-	+1	-	-	-	-	-	1	-	+1	-	-	-	-	-
Residential	R10	Skyline	None	-	-	-	-	1	-	+1	-	1	-	+1	-	1	-	+1	-	1	-	+1	-
ent	R11	Sequim	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sic	R12	Port Angeles	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
æ	R13	Beverly Beach, Freeland	OLF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	R14	E Sleeper Rd & Slumber Ln	Ault	9	8	+1	+1	10	9	+2	+2	10	9	+2	+2	9	8	+1	+1	10	9	+2	+2
	R15	Long Point Manor	OLF	3	2	+2	+1	2	1	+1	-	1	1	-	-	3	2	+2	+1	2	1	+1	-
	R16	Rocky Point Heights	OLF	2	1	-	-	2	1	-	-	2	1	-	-	2	1	-	-	2	1	-	-
	R17	Port Townsend	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	R18	Marrowstone Island (Nordland)	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	R19	Island Transit Offices, Coupeville	OLF	2	2	+1	+1	2	1	+1	-	1	1	-	-	2	2	+1	+1	1	1	-	-
	R20	South Lopez Island (Agate Beach)	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
=	S01	Oak Harbor High School	Ault	7		+1	+1	7	3	+1	+1	8	3	+2	+1	7	3	+1	+1	7	3	+1	+1
residential)	S02	Crescent Harbor Elementary	Ault	6		+1	-	6	3	+1	+1	7	3	+2	+1	6	2	+1	-	6	3	+1	+1
der	S03	Coupeville Elementary	OLF	2	1	+1	+1	2	1	+1	+1	1	-	-	-	2	1	+1	+1	1	1.00	-	+1
es.	S04	Anacortes High School	Ault	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
E	S05	Lopez Island School	None	-	-	-	<u> </u>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(near	S06	Friday Harbor Elementary	None	-		-	<u> </u>	-	-	-	-	-	-	-	-	-	-	-	-	- [-	-	-
- C	S07	Sir James Douglas	None	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
School	S08	Fidalgo Elementary School	Ault		ļ		ļ <u>-</u>			-	ļ <u>-</u>	-	-	-	-	-	-	-	-		-	-	-
Sc	S09	La Conner Elementary	Ault	1	1	-	+1	1	1	-	+1	1		-	-	1		-	-	1		-	-
	S10	Elger Bay Elementary	OLF	-	<u> </u>	-	-	- 1	-	-	<u> </u>	-	-	-	-		-	-	-	- 1	-	-	<u> </u>

Table A7.4-9 Classroom Learning Interference for the High-Tempo FCLP Year, Alternative 2

						Alt2A			C	hange	from No		n
		Representative School Location				Indo					Indo		
						dows		dows			idows		idows osed
				Outdoor	Ч	oen Events	CIC	sed Events	Outdoor	Ч	pen Events	CIC	Events
			Related	L _{eq(8h)}	L _{eq(8h)}	per	L _{eq(8h)}	per	L _{eq(8h)}	L _{eq(8h)}	per	L _{eq(8h)}	per
Туре	ID	Description	Field	(dB)	(dB)	Hour ⁽²⁾	(dB)	Hour ⁽²⁾	(dB)	(dB)	Hour ⁽²⁾	(dB)	Hour ⁽²⁾
ool	R03	Central Whidbey	Ault	58	<45	5	<45	-	+1	+1	+1	+1	-
School Surrogate	R11	Sequim	None	<45	<45	_	<45	_	+2	+2	_	+2	_
Ň									72	72		TZ	
	S01	Oak Harbor High School	Ault	57	<45	6	<45	2	-	-	+1	-	-
	~~~~~~~	Crescent Harbor Elementary School	Ault	68	53	5	<45	2	+1	+1	+1	+1	-
		Coupeville Elementary School	OLF	57	<45	2	<45	1	+5	+5	+2	+5	+1
		Anacortes High School Lopez Island School	Ault None	47 <45	<45 <45	-	<45 <45	-	+1 +1	+1 +1	-	+1	-
00		Friday Harbor Elementary School	None	<45 <45	<45 <45	-	<45	-	+1	-	-	+1	-
School											-		-
,	S07	Sir James Douglas Elementary School	None	<45	<45	-	<45	-	-3	-3	-	-3	-
	S08	Fidalgo Elementary School	Ault	50	<45	-	<45	-	+1	+1	-	+1	-
	S09	La Conner Elementary School	Ault	52	<45	1	<45	-	+2	+2	-	+2	-
	S10	Elger Bay Elementary School	OLF	<45	<45	-	<45	-	+1	+1	-	+1	-
		Number of Sites Exceeding				4		_					
		1 Intrusive Event per Hour				4		2			-		-
		Minimum Number of Intrusive Events				2		2			_		_
		per Hour if Exceeding 1				_		_					
		Maximum Number of Intrusive Events per Hour if Exceeding 1				6		2			-		-
		Point of Interest				Alt2B			C	hango	from No	Action	
a)									C	lange	II OIII INC	ACTION	
School Surrogate	R03	Central Whidbey	Ault	58	<45	5	<45	-	+1	+1	+1	+1	-
cho													
S US	R11	Sequim	None	<45	<45	-	<45	-	+1	+1	-	+1	-
	S01	Oak Harbor High School	Ault	58	<45	7	<45	3	+1	+1	+2	+1	+1
	S02	Crescent Harbor Elementary School	Ault	68	53	6	<45	2	+1	+1	+2	+1	-
	S03	Coupeville Elementary School	OLF	55	<45	1	<45	1	+3	+3	+1	+3	+1
_	S04	Anacortes High School	Ault	47	<45	-	<45	-	+1	+1	-	+1	-
School		Lopez Island School	None	<45	<45	-	<45	-	+1	+1	-	+1	-
Š		Friday Harbor Elementary School	None	<45	<45	-	<45	-	-	-	-	-	-
	S07	Sir James Douglas Elementary School	None	<45	<45	-	<45	-	-3	-3	-	-3	-
		Fidalgo Elementary School  La Conner Elementary School	Ault Ault	50 52	<45 <45	- 1	<45 <45	-	+1	+1	-	+1	-
	S10	Elger Bay Elementary School	OLF	<45	<45	-	<45	-	+1	+1	-	+1	-
	0.0	Number of Sites Exceeding	OL,	V 10	10	_	10						
		1 Intrusive Event per Hour				3		2			2		-
		Minimum Number of Intrusive Events				5		2			+2		_
		per Hour if Exceeding 1				Ŭ		_					
		Maximum Number of Intrusive Events				7		3			+2		-
		per Hour if Exceeding 1  Point of Interest				Alt2C			C	hange	from No	Action	2
<u>e</u>													
School	R03	Central Whidbey	Ault	59	<45	6	<45	-	+2	+2	+2	+2	-
Sch	R11	Sequim	None	<45	<45	_	<45	_	+2	+2	_	+2	_
Ň		'											
	S01	Oak Harbor High School	Ault	58	<45	7	<45	3	+1	+1	+2	+1	+1
		Crescent Harbor Elementary School	Ault	69	54	6	<45	3	+2	+2	+2	+2	+1
	************	Coupeville Elementary School	OLF Aut	51 47	<45	1 	<45	-	-1	-1 +1	+1	-1 +1	-
_	******************	Anacortes High School  Lopez Island School	Ault None	<45	<45 <45	-	<45 <45	-	+1	+1	-	+1	-
School		Friday Harbor Elementary School	None	<45 <45	<45 <45	-	<45 <45	-	+1	+1		+1	-
ഗ്	S07	Sir James Douglas Elementary School	None	<45	<45	-	<45	-	-3	-3	-	-3	-
		Fidalgo Elementary School	Ault	50	<45	-	<45	-	+1	+1	-	+1	-
		La Conner Elementary School	Ault	51	<45	1	<45	-	+1	+1	-	+1	
		Elger Bay Elementary School	OLF	<45	<45	- '	<45	-	+1	+1	-	+1	-
	510	Number of Sites Exceeding	LOLF	\40	\ <del>4</del> 0		\40		71	71		71	
		1 Intrusive Event per Hour				3		2			3		-
		Minimum Number of Intrusive Events						_					
		per Hour if Exceeding 1				6		3			+2		-
		Maximum Number of Intrusive Events				7		3			+2		-
		per Hour if Exceeding 1											

Table A7.4-9 Classroom Learning Interference for the High-Tempo FCLP Year, Alternative 2 (concluded)

						Alt2D			C	hange	from No	Actio	n
						Indo	or ⁽¹⁾				Indo		
		Representative School Location			Win	dows	Win	dows		Win	dows		dows
					0	pen	Clo	sed		O	oen	Clo	osed
				Outdoor		Events		Events	Outdoor		Events		Events
			Related	L _{eq(8h)}	L _{eq(8h)}	per	L _{eq(8h)}	per	L _{eq(8h)}	L _{eq(8h)}	per	L _{eq(8h)}	per
Type	ID	Description	Field	(dB)	(dB)	Hour ⁽²⁾		Hour ⁽²⁾	(dB)		Hour ⁽²⁾	(dB)	Hour ⁽²⁾
School Surrogate	R03	Central Whidbey	Ault	58	<45	5	<45	-	+1	+1	+1	+1	-
lro Iro									_	_		_	
S o	R11	Sequim	None	<45	<45	-	<45	-	+2	+2	-	+2	-
	S01	Oak Harbor High School	Ault	57	<45	6	<45	2	-	-	+1	-	-
	S02	Crescent Harbor Elementary School	Ault	68	53	5	<45	2	+1	+1	+1	+1	-
		Coupeville Elementary School	OLF	57	<45	2	<45	1	+5	+5	+2	+5	+1
	S04	Anacortes High School	Ault	47	<45	-	<45	-	+1	+1	-	+1	-
_	S05	Lopez Island School	None	<45	<45	-	<45	-	+1	+1	-	+1	-
School	S06	Friday Harbor Elementary School	None	<45	<45	-	<45	-	+1	-	-	-	-
SS	S07	Sir James Douglas Elementary School	None	<45	<45	_	<45	_	+1	+1	_	+1	_
	301	Sil James Douglas Elementary School	None	<45	<40	_	×45		T1	T1		+1	-
	S08	Fidalgo Elementary School	Ault	50	<45	-	<45	-	+1	+1	-	+1	-
	S09	La Conner Elementary School	Ault	52	<45	1	<45	-	+2	+2	-	+2	-
	S10	Elger Bay Elementary School	OLF	<45	<45	-	<45	-	+1	+1	-	+1	-
		Number of Sites Exceeding						_			<u> </u>		
		1 Intrusive Event per Hour				4		2			1		-
		Minimum Number of Intrusive Events				-		_					
		per Hour if Exceeding 1				5		2			+2		-
		Maximum Number of Intrusive Events				6		2			+2		
		per Hour if Exceeding 1				0		2			+2		-
		Point of Interest				Alt2E			C	hange	from No	Actio	n
_ <u>e</u>	R03	Control Whith an	۸۱	59	<45	6	<45	_	+2	+2	+2	+2	_
oor oga	R03	Central Whidbey	Ault	59	<45	ь	<45	-	+2	+2	+2	+2	-
School Surrogate	R11	Sequim	None	<45	<45	_	<45		+2	+2		+2	
, <u>0</u>	KII	Sequili	INOTIE	<40	<40		<45		72	TZ	_	+2	
	S01	Oak Harbor High School	Ault	58	<45	7	<45	3	+1	+1	+2	+1	+1
		Crescent Harbor Elementary School	Ault	69	54	6	<45	2	+2	+2	+2	+2	-
		Coupeville Elementary School	OLF	53	<45	1	<45		+1	+1	+1	+1	-
_		Anacortes High School	Ault	47	<45	-	<45	-	+1	+1	-	+1	-
School		Lopez Island School	None	<45	<45	-	<45	-	+1	+1	-	+1	-
SS		Friday Harbor Elementary School	None	<45	<45	-	<45	-	+1	-	-	-	-
		Sir James Douglas Elementary School	None	<45	<45	-	<45	-	+1	+1	-	+1	-
	S08	Fidalgo Elementary School	Ault	50	<45	-	<45	-	+1	+1	-	+1	-
		La Conner Elementary School	Ault	51	<45	1	<45		+1	+1	-	+1	-
	S10	Elger Bay Elementary School	OLF	<45	<45	-	<45	-	+1	+1	-	+1	-
		Number of Sites Exceeding				3		2			3		-
		1 Intrusive Event per Hour Minimum Number of Intrusive Events											
		per Hour if Exceeding 1				6		2			+2		-
		Maximum Number of Intrusive Events									<b>-</b>		
		per Hour if Exceeding 1				7		3			+2		-
Notes:		por Floar II Exposorring P											

Table A7.4-10 Recreational Speech Interference for the High-Tempo FCLP Year, Alternative 2

								Ar	nnual <i>i</i>	Average	Outd		ily Day 0 L _{max}	/time E	vents	per Ho	ur,					
	Represe	ntative Park Receptor	Al	t2A		ase re	Al	t2B		ase re Action	Ali	t2C	Incre	ase re Action	Al	2D		ase re Action	Alt	t2E		ase re
Туре	D	Description	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
	P01	Joseph Whidbey State Park	9	2	+1	-	9	2	+1	-	10	3	+2	+1	9	2	+1	-	10	2	+2	-
	P02	Deception Pass State Park	9	2	+1	-	10	2	+1	-	10	3	+2	+1	9	2	+1	-	10	2	+2	-
	P03	Dugualla State Park	9	2	+1	-	9	2	+1	-	10	3	+2	+1	9	2	+1	-	10	2	+2	-
	P04	Baseball Field (Ebey's Landing National Historical Reserve)	5	1	+2	-	4	1	+1	-	3	1	-	-	5	1	+2	-	4	1	+1	-
	P05	Ebey's Landing State Park	4	1	+2	+1	3	1	+1	+1	3	1	+1	+1	4	1	+2	+1	3	1	+1	+1
	P06	Fort Casey State Park	3	1	+2	+1	2	1	+1	+1	1	-	-	-	3	1	+2	+1	2	-	+1	-
	P07	Cama Beach State Park	5	1	+2	+1	4	1	+1	+1	4	1	+1	+1	5	1	+2	+1	4	1	+1	+1
	P08	Port Townsend	2	1	+1	+1	2	1	+1	+1	1	-	-	-	2	1	+1	+1	1	-	-	-
	P09	Moran State Park	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Park	1 00	San Juan Islands National											<b></b>									
Pa	P10		8	2	+1	-	9	2	+2	-	9	2	+2	-	8	2	+1	-	9	2	+2	-
	P11	Monument San Juan Island Visitors Center	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P12	Cap Sante Park	1	-	+1	-	1	-	+1	-	1	-	+1	-	1	-	+1	-	1	-	+1	-
	P13	Lake Campbell	5	1	+1		5	1	+1		6	1	+2		5	1	+1		6	1	+2	
	P14	Spencer Spit State Park		<u> </u>					<del>                                     </del>			<del> </del>									- TZ	
				1	+1			1			4		<del>  -</del>					-				-
	P15 P16	Pioneer Park Marrowstone Island (Fort Flagler)	5 2	1	+1	+1	<u>4</u> 1		+1	-	4	<u>1</u> -	-	-	5 1	1	+1 +2	+1	4 1	1 -	+1	-
	EBLA001	Reuble Farm	4	1	+2	+1	3	1	+1	+1	2		-	-	4	1	+2	+1	3	1	+1	+1
													<del>  -</del>			1				1		
	EBLA002	Ferry House	4	1	+2	+1	3	1	+1	+1	2				4		+2	+1	3		+1	+1
	R01	Sullivan Rd	10	2	+2	-	10	2	+2	-	11	3	+3	+1	10	2	+2	-	10	3	+2	+1
	R02	Salal St. and N. Northgate Dr	10	2	+1	-	10	2	+2	-	11	3	+2	+1	10	2	+2	-	10	3	+2	+1
	R03	Central Whidbey	9	2	+2	-	9	2	+2	-	10	2	+3	+1	9	2	+2	-	9	2	+3	+1
	R04	Pull and Be Damned Point	9	2	+2	-	9	2	+2	-	10	3	+3	+1	9	2	+2	-	10	2	+3	-
	R05	Snee-Oosh Point	8	2	+1	_	9	2	+2		9	2	+2		8	2	+1		9	2	+2	
	R06	Admirals Dr and Byrd Dr	3	1	+2	+1	2	1	+1	+1	1		-	-	3	1	+2	+1	2		+1	_
	~~~~~~~~~~		5	1	+2	T_	4	1	+1	T.	3	1	<del>                                     </del>		5	1	+2	T1		1	T.I	
	R07	Race Lagoon		**************															3			
	R08 R09	Pratts Bluff Cox Rd and Island Ridge Way	3 2	1	+2 +1	+1 +1	2 2	1 1	+1 +1	+1 +1	2 1	-	+1 -	-	3 2	1	+2 +1	+1 +1	2 1	-	+1 -	-
-	5.0	OL II											.								,	
Residential	R10	Skyline	4	1		-	4	1		-	5	1	+1	-	4	1		-	5	1	+1	-
der	R11	Sequim	1	-	+1	-	1	-	+1	-	1	-	+1	-	1	-	+1	-	1	-	+1	-
Si	R12	Port Angeles	1	-		-	1	-	-	-	1	-		-	1	-	-	-	1	-	-	- 1
å	R13	Beverly Beach, Freeland	1	-	+1	-	1	-	+1	-	-	-	-	-	1	-	+1	-	-	-	-	-
	R14	E Sleeper Rd & Slumber Ln	10	2	+2	-	10	2	+2	-	11	3	+3	+1	10	2	+2	-	10	3	+2	+1
	R15	Long Point Manor	9	2	+2	-	9	2	+2	-	9	2	+1	-	9	2	+2	-	9	2	+1	-
	R16	Rocky Point Heights	5	1	+1		5	2	+1	_	6	2	+1		5	1	+1		5	2	+1	-
	R17	Port Townsend	2	1	+1	+1	1			-		-	-1	_	1	1	-	+1	1			_
	1317	. c. rownsona		 		·		 	<u> </u>	·		·		·		 						
	R18	Marrowstone Island (Nordland) Island Transit Offices,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	R19	Coupeville South Lopez Island (Agate	5	1	+2	-	4	1	+1	-	3	1	-	-	5	1	+2	-	4	1	+1	-
	R20 S01	Beach) Oak Harbor High School	9	1 2	+1	-	10	1 2	+1	-	10	3	+1	+1	9	1 2	+1	-	10	2	+1	-
	501				T.		- 10				- 10		72-						- 10		, 72	
	S02 S03	Crescent Harbor Elementary School Coupeville Elementary School	9 5	2	+2 +2	-	9	2	+2	-	10 3	2	+3	+1	9	2	+2 +2	-	9	2	+2	-
					+2		4		+1						5		***************************************					
	S04	Anacortes High School	11	-	-	-	11	-	-	-	11	-	-	-	11	-	-	-	1	-	-	
_	S05	Lopez Island School	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
School	S06	Friday Harbor Elementary School	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	S07	Sir James Douglas Elementary School	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	S08	Fidalgo Elementary School	5	1	+1	-	5	1	+1	-	5	1	+1	-	5	1	+1	-	5	1	+1	-
					r					I		I ,	1	[1				
	S09 S10	La Conner Elementary School Elger Bay Elementary School	4	1	+1	-	4	1	+1	-	4	1	+1	-	4	1	+1	-	4	1	+1	-
$\overline{}$	010	Ligo. Day Liothoritary Oction			<u> </u>				<u> </u>					<u> </u>								لنب

Table A7.5-1 Estimated Acreage and Population within the DNL Contour Ranges¹ for the NAS Whidbey Island Complex, Alternative 3 (High-Tempo FCLP Year)²,³

				DNL Con	tour Ranges			
					Greater th	an or		
	65 to <70	dB DNL	70 to <75	dB DNL	equal to 7	5 dB DNL	Total	
	Area		Area		Area		Area	
	(acres)	Pop⁴	(acres)	Pop⁴	(acres)	Pop ⁴	(acres)	Pop ⁴
Ault Field								
No Action Alternativ	<i>ie</i>							
High-Tempo FCLP	3,503	3,347	3,260	2,677	5,864	3,530	12,628	9,554
Year								
Alternative 3								
Scenario A (20/80	4,026	3,685	3,263	1,922	5,923	3,513	13,212	9,120
FCLP split)	(+523)	(+338)	(+3)	(-755)	(+59)	(-17)	(+584)	(-434)
Scenario B (50/50	3,935	3,631	3,270	2,461	6,443	3,793	13,648	9,886
FCLP split)	(+432)	(+284)	(+10)	(-216)	(+579)	(+263)	(+1,020)	(+332)
Scenario C (80/20	3,949	3,738	3,130	2,499	6,811	3,946	13,890	10,182
FCLP split)	(+446)	(+391)	(-130)	(-178)	(+947)	(+416)	(+1,262)	(+628)
Scenario D (30/70	3,996	3,672	3,258	2,223	6,165	3,661	13,419	9,555
FCLP split)	(+493)	(+325)	(-2)	(-454)	(+301)	(+131)	(+791)	(+1)
Scenario E (70/30	3,941	3,711	3,216	2,542	6,666	3,910	13,824	10,163
FCLP split)	(+438)	(+364)	(-44)	(-135)	(+802)	(+380)	(+1,196)	(+609)
OLF Coupeville								
No Action Alternativ							1	1
High-Tempo FCLP	3,718	881	3,054	786	637	583	7,409	2,250
Year								
Alternative 3	T	1	Ta .a.	1	1	1	T	T
Scenario A (20/80	1,572	597	3,131	894	5,591	2,018	10,294	3,510
FCLP split)	(-2,146)	(-284)	(+77)	(+108)	(+4,954)	(+1,435)	(+2,885)	(+1,260)
Scenario B (50/50	1,887	493	3,461	1,080	4,247	1,603	9,596	3,176
FCLP split)	(-1,831)	(-388)	(+407)	(+294)	(+3,610)	(+1,020)	(+2,187)	(+926)
Scenario C (80/20	3,449	1,030	3,193	1,045	1,586	725	8,397	2,800
FCLP split)	(-269)	(+149)	(+139)	(+259)	(+949)	(+142)	(+988)	(+550)
Scenario D (30/70	1,551	538	3,310	961	5,239	1,918	10,100	3,417
FCLP split)	(-2,167)	(-343)	(+256)	(+175)	(+4,602)	(+1,335)	(+2,691)	(+1,167)
Scenario E (70/30 FCLP split)	2,932 (-786)	825 (-56)	3,213 (+159)	1,048 (+262)	2,711 (+2,074)	1,074 (+491)	8,846 (+1,437)	2,947 (+697)
NAS Whidbey Island		(-30)	(+139)	(+202)	(+2,074)	(+491)	(+1,457)	(+097)
No Action Alternativ	-							
High-Tempo FCLP		4,228	6,315	3,463	6,502	1 112	20,037	11,804
Year	7,221	4,220	0,313	3,403	0,302	4,113	20,037	11,004
Alternative 3								
Scenario A (20/80	5,599	4,283	6,394	2,816	11,513	5,531	23,506	12,631
FCLP split)	(-1,622)	(+55)	(+79)	(-647)	(+5,011)	(+1,418)	(+3,469)	(+827)
Scenario B (50/50	5,823	4,125	6,731	3,541	10,690	5,396	23,244	13,062
FCLP split)	(-1,398)	(-103)	(+416)	(+78)	(+4,188)	(+1,283)	(+3,207)	(+1,258)
Scenario C (80/20	7,398	4,767	6,323	3,544	8,397	4,671	22,118	12,982
FCLP split)	(+177)	(+539)	(+8)	(+81)	(+1,895)	(+558)	(+2,081)	(+1,178)
Scenario D (30/70	5,547	4,209	6,569	3,184	11,404	5,579	23,519	12,972
	U, U T /	1 .,	0,000	1 J, ±U-	1,	J, J, J	,	1,-,-

Table A7.5-1 Estimated Acreage and Population within the DNL Contour Ranges¹ for the NAS Whidbey Island Complex, Alternative 3 (High-Tempo FCLP Year)^{2,3}

				DNL Con	tour Ranges			
					Greater th	an or		
	65 to <70	dB DNL	70 to <75	dB DNL	equal to 7.	5 dB DNL	Total	
	Area		Area		Area		Area	
	(acres)	Pop ⁴	(acres)	Pop ⁴	(acres)	Pop⁴	(acres)	Pop ⁴
Scenario E (70/30	6,864	4,536	6,429	3,590	9,377	4,985	22,670	13,111
FCLP split)	(-357)	(+308)	(+114)	(+127)	(+2,875)	(+872)	(+2,633)	(+1,307)

- ¹ All five scenarios are outlined in Section 2.3.3, where the split represents the percent of FCLPs conducted at Ault Field and OLF Coupeville, respectively (i.e., 20/80 FCLP split = 20 percent of FCLPs at Ault Field and 80 percent of FCLPs at OLF Coupeville).
- ² Acreage presented does not include areas over water or areas over the NAS Whidbey Island complex.
- ³ The difference between the No Action Alternative and Alternative 1 is noted in parentheses.
- ⁴ Population counts of people within the DNL contour ranges were computed using 2010 Census block-level data. The percent area of the census block covered by the DNL contour range was applied to the population of that census block to estimate the population within the DNL contour range (e.g., if 25 percent of the census block is within a DNL contour range, then 25 percent of the population is included in the population count). This calculation assumes an even distribution of the population across the census block, and it excludes population on military properties within the DNL contour ranges (NAS Whidbey Island [Ault Field], the Seaplane Base, and OLF Coupeville). All population estimates for areas within the dB DNL contours utilized 2010 U.S. Census Bureau data. A 7.1-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 for Island County during that period (Washington State Office of Financial Management, 2017). To simplify the analysis, this growth factor was also used for areas of Skagit County that fall within the 65+ dB DNL contours. These data should be used for comparative purposes only and are not considered actual numbers within the DNL contour range.
- ⁵ Numbers have been rounded to ensure totals sum.

Key:

dB = decibel

DNL = day-night average sound level FCLP = Field Carrier Landing Practice

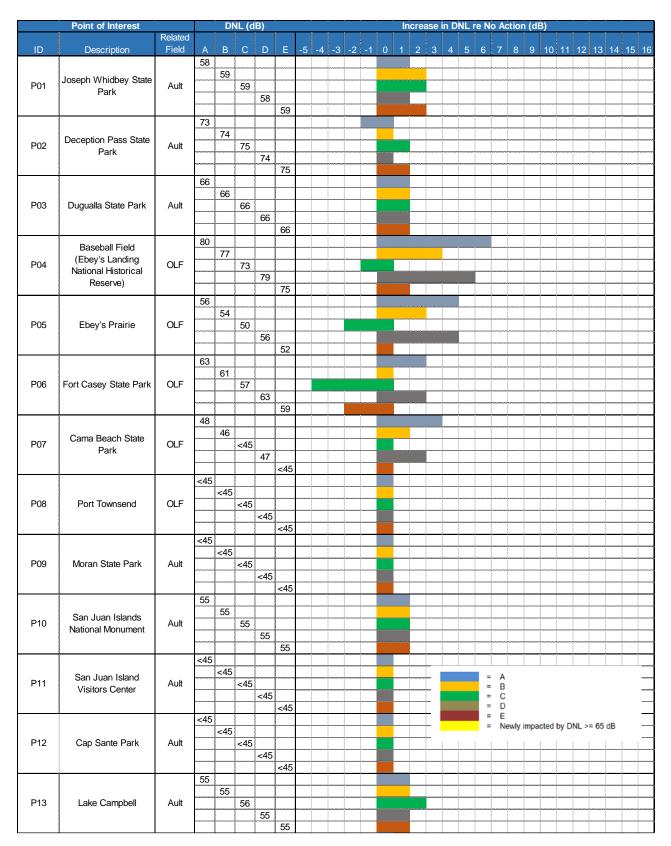


Figure A7.5-1 Estimated Aircraft DNL at POIs for the High-Tempo FCLP Year, Alternative 3

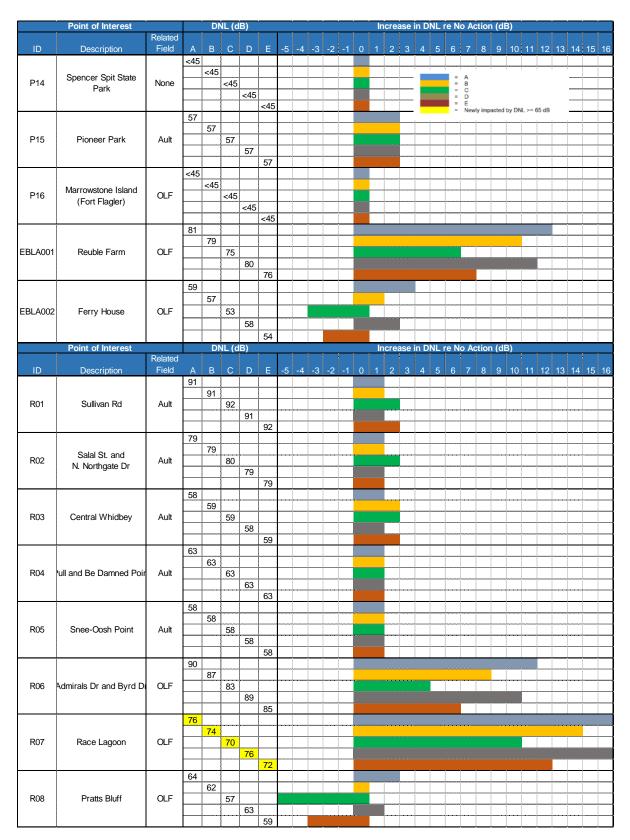


Figure A7.5-1. Estimated Aircraft DNL at POIs for the High-Tempo FCLP Year, Alternative 3 (continued)

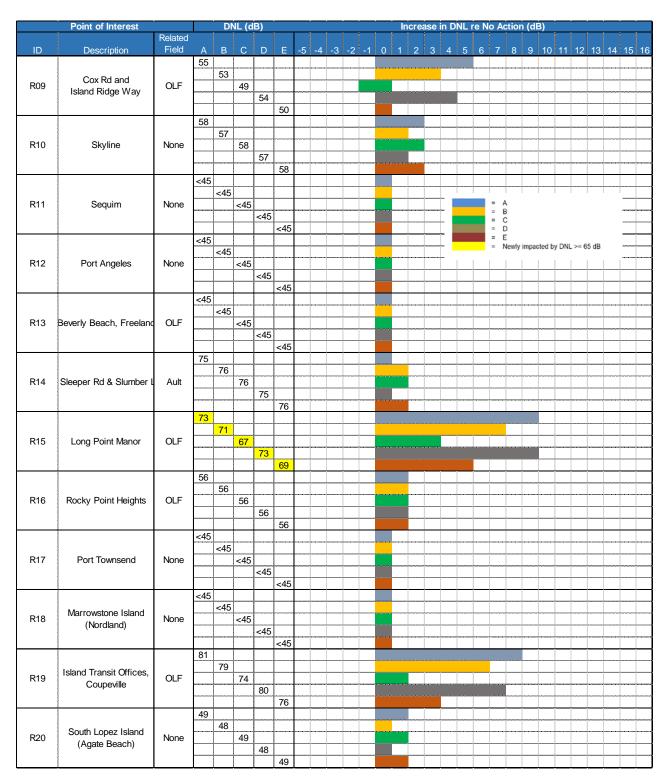


Figure A7.5-1. Estimated Aircraft DNL at POIs for the High-Tempo FCLP Year, Alternative 3 (continued)

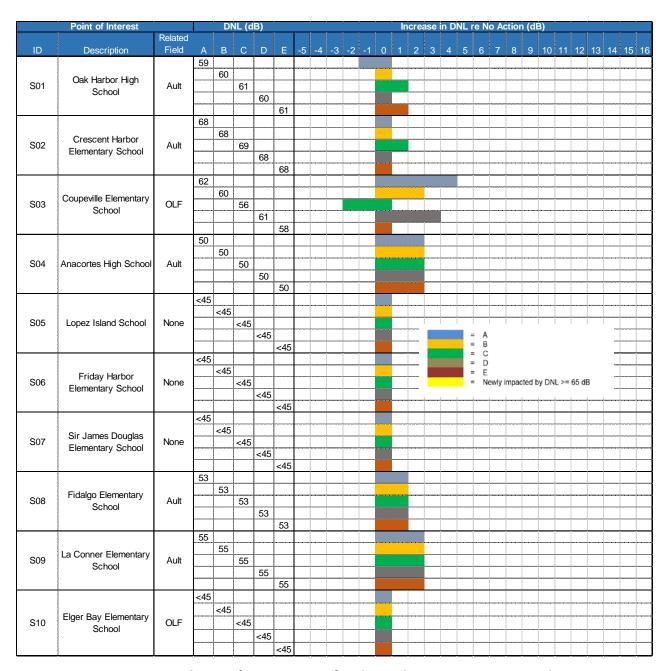


Figure A7.5-1. Estimated Aircraft DNL at POIs for the High-Tempo FCLP Year, Alternative 3 (concluded)

Table A7.5-2 Estimated Potential Hearing Loss for the High-Tempo FCLP Year, Alternative 3A

Band of	Average	10 th Percentile		Estimated	l Population		Ch	nange in popula	ation re No Actior	า
L _{eq(24)}	NIPTS	NIPTS	Ault Field (on-Station)	Ault Field (off-Station)	OLF Coupeville (off-Station)	TOTAL	Ault Field (on-Station)	Ault Field (off-Station)	OLF Coupeville (off-Station)	TOTAL
(dB)	(ub)	(ub)	(OH-Station)	,	(OII-Station)	IOTAL	(OII-Station)	(OII-Station)	(OII-Station)	IOTAL
74-75	0.5	3.5	-	-	-	-	-	-	-	-
75-76	1.0	4.0	-	-	145	145	-	(0)	113	113
76-77	1.0	4.5	-	147	181	327	-	(8)	134	126
77-78	1.5	5.0	-	271	158	429	-	(5)	112	107
78-79	2.0	5.5	-	151	98	249	-	(18)	74	55
79-80	2.5	6.0	-	134	80	215	-	32	73	105
80-81	3.0	7.0	-	77	70	148	-	2	69	71
81-82	3.5	8.0	-	64	62	125	-	12	62	74
82-83	4.0	9.0	-	49	54	103	-	11	54	64
83-84	4.5	10.0	-	34	63	97	-	(2)	63	61
84-85	5.5	11.0	-	27	60	87	-	15	60	75
85-86	6.0	12.0	-	9	1	10	-	-	1	1
86-87	7.0	13.5	-	9	-	9	-	2	-	2
87-88	7.5	15.0	-	6	-	6	-	1	-	1
88-89	8.5	16.5	-	4	-	4	-	2	-	2
89-90	9.5	18.0	-	1	-	1	-	1	-	1
90-91	10.5	19.5	-	-	-	-	-	-	-	-
91-92	11.5	21.0	-	-	-	-	-	-	-	-

Table A7.5-3 Estimated Potential Hearing Loss for the High-Tempo FCLP Year, Alternative 3B

Band		10 th								
of	Average	Percentile		Estimated	Population		Ch	nange in popula	ation re No Actior	า
L _{eq(24)}	NIPTS	NIPTS	Ault Field	Ault Field	OLF Coupeville		Ault Field	Ault Field	OLF Coupeville	
(dB)	(dB) ⁽¹⁾	(dB) ⁽¹⁾	(on-Station)	(off-Station)	(off-Station)	TOTAL	(on-Station)	(off-Station)	(off-Station)	TOTAL
74-75	0.5	3.5	-	-	-	-	-	-	-	-
75-76	1.0	4.0	-	1	102	102	-	0	69	70
76-77	1.0	4.5	79	305	101	486	79	151	55	285
77-78	1.5	5.0	-	351	79	430	-	75	33	108
78-79	2.0	5.5	-	256	70	325	-	86	45	132
79-80	2.5	6.0	_	170	62	232	-	68	55	123
80-81	3.0	7.0	-	102	56	158	-	27	55	82
81-82	3.5	8.0	_	73	64	137	-	22	64	86
82-83	4.0	9.0	-	61	50	111	-	23	50	73
83-84	4.5	10.0	_	37	1	38	-	1	1	2
84-85	5.5	11.0	-	27	-	27	-	14	-	15
85-86	6.0	12.0	-	23	-	23	-	14	-	14
86-87	7.0	13.5	-	9	-	9	-	2	-	2
87-88	7.5	15.0	-	7	-	7	-	3	-	3
88-89	8.5	16.5	-	5	-	5	-	3	-	3
89-90	9.5	18.0	-	2	-	2	-	2	-	2
90-91	10.5	19.5	-	-	-	-	-	-	-	-
91-92	11.5	21.0	-	-	-	-	-	-	-	-

Table A7.5-4 Estimated Potential Hearing Loss for the High-Tempo FCLP Year, Alternative 3C

Band of		10 th		Estimated	d Population		Ch	ange in nonula	ation re No Actior	
L _{eq(24)}	Average NIPTS	Percentile NIPTS	Ault Field	Ault Field	OLF Coupeville		Ault Field	Ault Field	OLF Coupeville	
(dB)	(dB) ⁽¹⁾	(dB) ⁽¹⁾	(on-Station)	(off-Station)	(off-Station)	TOTAL	(on-Station)	(off-Station)	(off-Station)	TOTAL
74-75	0.5	3.5	-	-	-	-	-	-	-	-
75-76	1.0	4.0	-	2	33	35	-	2	0	2
76-77	1.0	4.5	137	285	55	477	137	130	8	276
77-78	1.5	5.0	-	454	64	518	-	178	18	196
78-79	2.0	5.5	-	305	56	361	-	136	31	168
79-80	2.5	6.0	-	267	1	268	-	165	(6)	159
80-81	3.0	7.0	-	142	-	143	-	67	(1)	66
81-82	3.5	8.0	-	82	-	82	-	30	(0)	30
82-83	4.0	9.0	-	66	-	66	-	28	-	28
83-84	4.5	10.0	-	40	-	40	-	4	-	4
84-85	5.5	11.0	-	30	-	30	-	17	-	17
85-86	6.0	12.0	-	28	-	28	-	19	-	19
86-87	7.0	13.5	-	10	-	10	-	3	-	3
87-88	7.5	15.0	-	8	-	8	-	4	-	4
88-89	8.5	16.5	-	5	-	5	-	3	-	3
89-90	9.5	18.0	-	2	-	2	-	2	-	2
90-91	10.5	19.5	-	-	-	-	-	-	-	-
91-92	11.5	21.0	-	-	-	-	-	-	-	-

Note: Average NIPTS values greater than 10 dB, and 10th Percentile NIPTS values greater than 12 dB are estimated based on extrapolating available data from EPA guidance (EPA 1982).

Table A7.5-5 Estimated Potential Hearing Loss for the High-Tempo FCLP Year, Alternative 3D

Band		10 th								
of	Average	Percentile		Estimated	d Population		Ch	nange in popula	ation re No Actior	า
L _{eq(24)}	NIPTS	NIPTS	Ault Field	Ault Field	OLF Coupeville		Ault Field	Ault Field	OLF Coupeville	
(dB)	(dB) ⁽¹⁾	(dB) ⁽¹⁾	(on-Station)	(off-Station)	(off-Station)	TOTAL	(on-Station)	(off-Station)	(off-Station)	TOTAL
74-75	0.5	3.5	-	-	-	-	-	-	-	-
75-76	1.0	4.0	-	-	158	158	-	(0)	125	125
76-77	1.0	4.5	-	193	178	371	-	39	132	170
77-78	1.5	5.0	-	287	115	402	-	11	69	80
78-79	2.0	5.5	-	195	88	284	-	26	64	90
79-80	2.5	6.0	-	142	74	216	-	40	67	107
80-81	3.0	7.0	-	81	64	145	-	6	63	68
81-82	3.5	8.0	-	70	58	128	-	19	58	77
82-83	4.0	9.0	-	51	60	112	-	13	60	73
83-84	4.5	10.0	-	35	78	113	-	(1)	78	77
84-85	5.5	11.0	-	32	3	35	-	19	3	22
85-86	6.0	12.0	-	10	-	11	-	1	-	1
86-87	7.0	13.5	-	9	-	9	-	2	-	2
87-88	7.5	15.0	-	6	-	6	-	2	-	2
88-89	8.5	16.5	-	4	-	4	-	2	-	2
89-90	9.5	18.0	-	2	-	2	-	2	-	2
90-91	10.5	19.5	-	-	-	-	-	-	-	-
91-92	11.5	21.0	-	-	-	-	-	-	-	-

(1) rounded to nearest 0.5 dB

Table A7.5-6 Estimated Potential Hearing Loss for the High-Tempo FCLP Year, Alternative 3E

Band of	Average	10 th Percentile		Estimated	l Population		Ch	nange in popula	ation re No Actior	1
L _{eq(24)}	NIPTS	NIPTS	Ault Field		OLF Coupeville		Ault Field	Ault Field	OLF Coupeville	
(dB)	(dB) ⁽¹⁾	(dB) ⁽¹⁾	(on-Station)	(off-Station)	(off-Station)	TOTAL	(on-Station)	(off-Station)	(off-Station)	TOTAL
74-75	0.5	3.5	-	-	-	-	-	-	-	-
75-76	1.0	4.0	-	1	39	40	-	1	6	7
76-77	1.0	4.5	237	265	67	570	237	111	21	369
77-78	1.5	5.0	30	437	60	527	30	160	15	205
78-79	2.0	5.5	-	301	58	358	-	132	34	165
79-80	2.5	6.0	-	216	67	283	-	114	60	174
80-81	3.0	7.0	-	127	33	160	-	52	32	84
81-82	3.5	8.0	-	79	1	79	-	27	1	28
82-83	4.0	9.0	-	66	-	67	-	28	-	28
83-84	4.5	10.0	-	41	-	41	-	5	-	5
84-85	5.5	11.0	-	28	-	28	-	16	-	16
85-86	6.0	12.0	-	28	-	28	-	19	-	19
86-87	7.0	13.5	-	9	-	9	-	2	-	2
87-88	7.5	15.0	-	8	-	8	-	4	-	4
88-89	8.5	16.5	-	5	-	5	-	3	-	3
89-90	9.5	18.0	-	3	-	3	-	3	-	3
90-91	10.5	19.5	-	-	-	-	-	-	-	-
91-92	11.5	21.0	-	-	-	-	-	-	-	-

Table A7.5-7 Average Indoor Nightly Probability of Awakening at Applicable POIs for the High-Tempo FCLP Year, Alternative 3

		Point of Interest								Aı	nnual Avera	age Nightly	(2200-070	0) Probabi	lity of Awal	kening (%)	(1)						
				Alt	t3A	Chang No A		Alt	:3B	_	e from ction	Alt	3C	Chang No A		Alt	3D	_	e from ction	Alt	:3E	_	e from action
			Related	Windows	Windows	Windows	Windows	Windows	Windows	Windows	Windows	Windows	Windows	Windows	Windows	Windows	Windows	Windows	Windows	Windows	Windows	Windows	Windows
Type	ID	Description	Field	Open	Closed	Open	Closed	Open	Closed	Open	Closed	Open	Closed	Open	Closed	Open	Closed	Open	Closed	Open	Closed	Open	Closed
	R01	Sullivan Rd	Ault	68%	52%	6%	6%	72%	56%	10%	10%	75%	59%	13%	13%	69%	53%	7%	7%	74%	58%	12%	12%
	R02	Salal St. and N. Northgate Dr	Ault	50%	36%	6%	5%	53%	38%	9%	7%	57%	42%	13%	11%	51%	37%	7%	6%	55%	40%	11%	9%
	R03	Central Whidbey	Ault	20%	11%	3%	2%	22%	12%	5%	3%	24%	13%	7%	4%	21%	11%	4%	2%	23%	12%	6%	3%
	R04	Pull and Be Damned Point	Ault	25%	12%	4%	3%	27%	13%	6%	4%	28%	13%	7%	4%	26%	13%	5%	4%	28%	13%	7%	4%
	R05	Snee-Oosh Point	Ault	21%	8%	5%	3%	22%	8%	6%	3%	23%	8%	7%	3%	21%	8%	5%	3%	23%	8%	7%	3%
	R06	Admirals Dr and Byrd Dr	OLF	44%	31%	35%	25%	29%	20%	20%	14%	13%	8%	4%	2%	39%	28%	30%	22%	18%	12%	9%	6%
	R07	Race Lagoon	OLF	21%	10%	16%	8%	14%	6%	9%	4%	7%	3%	2%	1%	19%	9%	14%	7%	10%	4%	5%	2%
	R08	Pratts Bluff	OLF	16%	10%	12%	8%	10%	6%	6%	4%	4%	2%	-	-	14%	9%	10%	7%	6%	4%	2%	2%
-	R09	Cox Rd and Island Ridge Way	OLF	13%	9%	10%	7%	8%	5%	5%	3%	3%	2%	-	-	12%	8%	9%	6%	5%	3%	2%	1%
ij	R10	Skyline	None	8%	3%	2%	1%	8%	3%	2%	1%	10%	3%	4%	1%	8%	3%	2%	1%	8%	3%	2%	1%
Residential	R11	Sequim	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ses	R12	Port Angeles	None	1%	0%	1%	-	1%	0%	1%	-	1%	0%	1%	-	1%	0%	1%	-	1%	0%	1%	-
_	R13	Beverly Beach, Freeland	OLF	6%	-	4%	-	4%	-	2%	-	2%	-	-	-	6%	-	4%	-	3%	-	1%	-
	R14	E Sleeper Rd & Slumber Ln	Ault	45%	31%	5%	3%	48%	34%	8%	6%	52%	37%	12%	9%	46%	32%	6%	4%	51%	36%	11%	8%
	R15	Long Point Manor	OLF	25%	14%	14%	10%	20%	9%	9%	5%	14%	4%	3%	-	24%	12%	13%	8%	16%	6%	5%	2%
	R16	Rocky Point Heights	OLF	11%	4%	1%	1%	12%	4%	2%	1%	13%	4%	3%	1%	12%	4%	2%	1%	13%	4%	3%	1%
	R17	Port Townsend	None	1%	-	-	-	1%	-	-	-	0%	-	-1%	-	1%	-	-	-	1%	-	-	-
	R18	Marrowstone Island (Nordland)	None	-	-	-	-	-	-	-	-	0%	-	-	-	-	-	-	-	0%	-	-	-
	R19	Island Transit Offices, Coupeville	OLF	36%	23%	26%	18%	25%	15%	15%	10%	12%	6%	2%	1%	33%	21%	23%	16%	16%	9%	6%	4%
	R20	South Lopez Island (Agate Beach)	None	4%	1%	1%	-	3%	1%	-	-	3%	1%	-	-	3%	1%	-	-	3%	1%	-	-
	S01	Oak Harbor High School	Ault	25%	15%	3%	2%	28%	17%	6%	4%	30%	18%	8%	5%	26%	16%	4%	3%	29%	18%	7%	5%
	S02	Crescent Harbor Elementary School	Ault	27%	16%	4%	3%	29%	17%	6%	4%	31%	19%	8%	6%	28%	17%	5%	4%	30%	18%	7%	5%
ia)	S03	Coupeville Elementary School	OLF	19%	12%	14%	9%	12%	7%	7%	4%	6%	3%	1%	-	17%	10%	12%	7%	8%	4%	3%	1%
ent	S04	Anacortes High School	Ault	3%	1%	1%	-	3%	1%	1%	-	3%	1%	1%	-	3%	1%	1%	-	3%	1%	1%	-
residential)	S05	Lopez Island School	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(near re	S06	Friday Harbor Elementary School	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
School (n	S07	Sir James Douglas Elementary School	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
လွ	S08	Fidalgo Elementary School	Ault	9%	3%	2%	1%	9%	3%	2%	1%	10%	3%	3%	1%	9%	3%	2%	1%	9%	3%	2%	1%
	S09	La Conner Elementary School	Ault	11%	5%	3%	2%	11%	5%	3%	2%	10%	5%	2%	2%	11%	5%	3%	2%	11%	5%	3%	2%
	S10	Elger Bay Elementary School dB and 25 dB of Noise Level Reductions	OLF	0%	0%	-	-	0%	0%	-	-	0%	0%	-	-	0%	0%	-	-	0%	0%	-	-

Table A7.5-8 Indoor Speech Interference for the High-Tempo FCLP Year, Alternative 3

		Point of Interest												aily Indoor I									
				Alt	3A		ge from Action	Alt	3B	_	e from ction	Alta		Chang	ge from Action	Alt	3D	_	e from	Alt3	Ε		e from
Туре	₫	Description	Related Field	Windows Open	Windows Closed	Windows Open	Windows Closed		Windows Closed	Windows	Windows Closed	Windows Open	Windows Closed	Windows Open	Windows Closed	Windows	Windows Closed	Windows Open	Windows Closed	Windows Open	Windows Closed	Windows Open	Windows Closed
Туре	R01	Sullivan Rd	Ault	Open 9	9	+1	+1	Open 10	10	Open +2	+2	10	10	+2	+2	Open 9	G	+1	+1	10	10	+2	+2
	R02	Salal St. and N. Northgate Dr	Ault	9	9	+1	+1	10	10	+2	+2	10	10	+2	+2	9	9	+1	+1	10	10	+2	+2
	R03	Central Whidbey	Ault	5	-	-	-	6	-	+1	-	6	-	+1	-	5	-	-	-	6	-	+1	-
	R04	Pull and Be Damned Point	Ault	3	1	+1	-	3	2	+1	+1	3	1	+1	-	3	2	+1	+1	3	2	+1	+1
	R05	Snee-Oosh Point	Ault	2	1	-	-	2	1	-	-	2	1	-	-	2	1	-	-	2	1	-	-
	R06	Admirals Dr and Byrd Dr	OLF	2	2	+2	+2	1	1	+1	+1	1	-	+1	-	2	2	+2	+2	1	1	+1	+1
	R07	Race Lagoon	OLF	2	1	+1	+1	1	1	-	+1	1	-	-	-	2	1	+1	+1	1	-	-	-
	R08 R09	Pratts Bluff Cox Rd and Island Ridge	OLF OLF	2 1	1_	+2 +1	+1 -	1	-	+1 +1	-	- 1	-	+1 -	-	2 1	1 -	+2 +1	+1 -	- 1	-	+1 -	-
tia	R10	Way Skyline	None	1		+1	<u> </u>	1	-	+1	-	1		+1		1	-	+1		1		+1	-
Residential	R11	Sequim	None	- '	-	- +1	ļ -	-	-	+	-		-	-	-	-	-	-	-	- 1	-	- +1	-
esi	R12	Port Angeles	None	- 1	-	-	-	-	-	-	-	- 1	-	-	-	-	-	-	-	- 1	-	-	-
<u>«</u>	R13	Beverly Beach, Freeland	OLF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	R14	E Sleeper Rd & Slumber Ln	Ault	9	8	+1	+1	10	9	+2	+2	10	9	+2	+2	9	8	+1	+1	10	9	+2	+2
	R15	Long Point Manor	OLF	3	2	+2	+1	2	1	+1	-	1	1	-	-	2	2	+1	+1	2	1	+1	-
	R16	Rocky Point Heights	OLF	2	1	-		2	1	-	-	2	1	-	-	2	1	-		2	1	-	-
	R17	Port Townsend	None	-	-		ļ <u>-</u>	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-
	R18	Marrowstone Island (Nordland)	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	R19	Island Transit Offices, Coupeville	OLF	2	2	+1	+1	1	1	-	-	1	1	-	-	2	2	+1	+1	1	1	-	-
	R20	South Lopez Island (Agate Beach)	None	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-
	S01	Oak Harbor High School Crescent Harbor	Ault	6	2	-	-	7	3	+1	+1	8	3	+2	+1	7	3	+1	+1	8	3	+2	+1
	S02	Elementary School	Ault	5	2	-	-	6	3	+1	+1	7	3	+2	+1	6	2	+1	-	7	3	+2	+1
tial)	S03 S04	Coupeville Elementary School	OLF Ault	2	1	+1	+1	2	1	+1	+1	1	-	-	-	2	1	+1	+1	1	1	-	+1
Jeni	S04 S05	Anacortes High School Lopez Island School	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
School (near residential)	S06	Friday Harbor Elementary School	None	-		-	-	-	-	-	<u> </u>	-	-	-	<u> </u>	-	-		-	-	-	-	-
ol (ne	S07	Sir James Douglas Elementary School	None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scho	S08	Fidalgo Elementary School	Ault	-	_	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	S09	La Conner Elementary School	Ault	1	1	-	+1	1	1	-	+1	1	1	-	+1	1	1	-	+1	1	1	-	+1
	S10	Elger Bay Elementary School	OLF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table A7.5-9 Classroom Learning Interference for the High-Tempo FCLP Year, Alternative 3

						Alt3A			С	hange	from No	Action	n
		Representative School Location				Indo					Indo		
						dows		dows			idows		dows
				Outdoor	O	oen Events	Cid	sed Events	Outdoor	O	pen Events	Cid	sed Events
			Related	L _{eq(8h)}	L _{eq(8h)}	per	L _{eq(8h)}	per	L _{eq(8h)}	L _{eq(8h)}	per	L _{eq(8h)}	per
Туре	ID	Description	Field	(dB)	(dB)	Hour ⁽²⁾	(dB)	Hour ⁽²⁾	(dB)	(dB)	Hour ⁽²⁾	(dB)	Hour ⁽²⁾
	R03		Ault	58	<45	5	<45	-	+1	+1		+1	-
School	RUS	Central Whidbey	Auit	36	<40	5	<40	-	+1	+1	+1	+1	-
School	R11	Sequim	None	<45	<45	-	<45	-	+1	+1	-	+1	-
	S01	Oak Harbor High School	Ault	57	<45	6	<45	2	-	-	+1	-	-
	~~~~~~	Crescent Harbor Elementary School	Ault	68	53	5	<45	2	+1	+1	+1	+1	-
	S03	Coupeville Elementary School	OLF	57	<45	2	<45	1	+5	+5	+2	+5	+1
	S04	Anacortes High School	Ault	47	<45	-	<45	-	+1	+1	-	+1	-
<u> </u>	S05	Lopez Island School	None	<45	<45	-	<45	-	+2	+2	-	+2	-
School	S06	Friday Harbor Elementary School	None	<45	<45	-	<45	-	+1	-	-	-	-
S	S07	Sir James Douglas Elementary School	None	<45	<45	-	<45	-	-3	-3	-	-3	-
	S08	Fidalgo Elementary School	Ault	50	<45	-	<45	-	+1	+1	-	+1	-
	S09	La Conner Elementary School	Ault	52	<45	1	<45	-	+2	+2	-	+2	-
	S10	Elger Bay Elementary School	OLF	<45	<45	-	<45	-	+2	+2	-	+2	-
		Number of Sites Exceeding				4		2			1		-
		1 Intrusive Event per Hour Minimum Number of Intrusive Events											
		per Hour if Exceeding 1				2		2			+2		-
		Maximum Number of Intrusive Events				6		2			+2		-
		per Hour if Exceeding 1  Point of Interest				Alt3B			С	hange	from No	Action	n
_ <del>_</del> e	DOS		A It	F0	- AE	Е	-AE			<u> </u>			_
School	R03	Central Whidbey	Ault	58	<45	5	<45	-	+1	+1	+1	+1	-
Sur	R11	Sequim	None	<45	<45	-	<45	-	+1	+1	-	+1	-
	S01	Oak Harbor High School	Ault	58	<45	7	<45	3	+1	+1	+2	+1	+1
	S02	Crescent Harbor Elementary School	Ault	68	53	6	<45	2	+1	+1	+2	+1	-
		Coupeville Elementary School	OLF	55	<45	1	<45	1	+3	+3	+1	+3	+1
_		Anacortes High School	Ault	47	<45	-	<45	-	+1	+1		+1	-
School		Lopez Island School	None	<45	<45	-	<45	-	+1	+1	-	+1	-
ŭ	S06 S07	Friday Harbor Elementary School	None	<45	<45	-	<45	-	+1	-3	-	-	-
	S08	Sir James Douglas Elementary School Fidalgo Elementary School	None Ault	<45 50	<45 <45	-	<45 <45		-3 +1	+1	<del>-</del>	-3 +1	
	S09	La Conner Elementary School	Ault	52	<45	1	<45	-	+2	+2	<del>-</del>	+2	
	S10	Elger Bay Elementary School	OLF	<45	<45	-	<45	-	+1	+1	-	+1	-
		Number of Sites Exceeding				3		2					-
		1 Intrusive Event per Hour Minimum Number of Intrusive Events									_		
		per Hour if Exceeding 1				5		2			+2		-
		Maximum Number of Intrusive Events per Hour if Exceeding 1				7		3			+2		-
		Point of Interest				Alt3C			С	hange	from No	Action	n
olate	R03	Central Whidbey	Ault	59	<45	6	<45	-	+2	+2	+2	+2	-
School	R11	Somition	None	-AE	-45		- 45						
3 0		Sequim	None	<45	<45	-	<45	-	+2	+2	-	+2	<u> </u>
	S01 S02	Oak Harbor High School Crescent Harbor Elementary School	Ault Ault	58 69	<45 54	7 6	<45 <45	3	+1	+1	+2	+1	+1 +1
		Coupeville Elementary School	OLF	51	<45	1	<45 <45	-	+ <u>/</u> -1	+ <u>-</u>	+2	+2 -1	-
		Anacortes High School	Ault	47	<45	- '	<45	-	+1	+1	-	+1	-
ō	~~~~~~	Lopez Island School	None	<45	<45	-	<45	-	+2	+2	-	+2	-
School	S06	Friday Harbor Elementary School	None	<45	<45	-	<45	-	+1	-	-	-	-
S	S07	Sir James Douglas Elementary School	None	<45	<45	-	<45	-	-3	-3	-	-3	-
	S08	Fidalgo Elementary School	Ault	50	<45	-	<45	-	+1	+1	-	+1	-
	S09	La Conner Elementary School	Ault	52	<45	1	<45	-	+2	+2	-	+2	-
	S10	Elger Bay Elementary School	OLF	<45	<45	-	<45	-	+1	+1	-	+1	-
		Number of Sites Exceeding				3		2			3		-
		1 Intrusive Event per Hour Minimum Number of Intrusive Events				6		3			+2		_
		per Hour if Exceeding 1  Maximum Number of Intrusive Events				ō		3			+∠		-
		per Hour if Exceeding 1				7		3			+2		-

Table A7.5-9 Classroom Learning Interference for the High-Tempo FCLP Year, Alternative 3

						Alt3D			C	hange	from No	Actio	n
						Indo	or ⁽¹⁾				Indo	or ⁽¹⁾	
		Representative School Location			Wir	dows		dows		Win	dows		ndows
						pen		osed			pen		osed
				Outdoor		Events			Outdoor		Events	O.	Events
			Related	L _{eq(8h)}	L _{eq(8h)}	per	L _{eq(8h)}	per	L _{eq(8h)}	L _{eq(8h)}	per	L _{eq(8h)}	per
Туре	ID	Description	Field	(dB)	(dB)	Hour ⁽²⁾	(dB)	Hour ⁽²⁾	(dB)	(dB)	Hour ⁽²⁾	(dB)	Hour ⁽²⁾
-				(/									. ioui
School Surrogate	R03	Central Whidbey	Ault	58	<45	5	<45	-	+1	+1	+1	+1	-
ch								<b></b>					-
Sul	R11	Sequim	None	<45	<45	-	<45	-	+1	+1	-	+1	-
***************************************	S01	Oak Harbor High School	Ault	57	<45	6	<45	2	-	_	+1	-	-
	~~~~~	Crescent Harbor Elementary School	Ault	68	53	5	<45	2	+1	+1	+1	+1	-
		Coupeville Elementary School	OLF	57	<45	2	<45	1	+5	+5	+2	+5	+1
	S04	Anacortes High School	Ault	47	<45	-	<45	-	+1	+1	-	+1	-
_	S05	Lopez Island School	None	<45	<45	-	<45	-	+2	+2	-	+2	-
School	~~~~~~	Friday Harbor Elementary School	None	<45	<45	-	<45	-	+1	-	-	-	-
Scl	************				*****************								
	S07	Sir James Douglas Elementary School	None	<45	<45	-	<45	-	+1	+1	-	+1	-
	S08	Fidalgo Elementary School	Ault	50	<45	-	<45	-	+1	+1	-	+1	-
	S09	La Conner Elementary School	Ault	52	<45	1	<45	-	+2	+2	-	+2	-
	S10	Elger Bay Elementary School	OLF	<45	<45	-	<45	-	+1	+1	-	+1	-
	0.10	Number of Sites Exceeding	, OLI	110	110		10			•			
		1 Intrusive Event per Hour				4		2			1		-
		Minimum Number of Intrusive Events											
		per Hour if Exceeding 1				5		2			+2		-
		Maximum Number of Intrusive Events											
		per Hour if Exceeding 1				6		2			+2		-
		Point of Interest				Alt3E			С	hange	from No	Actio	n
Φ					<u> </u>					1			
School Surrogate	R03	Central Whidbey	Ault	59	<45	6	<45	-	+2	+2	+2	+2	-
School								l	_			_	
Sug	R11	Sequim	None	<45	<45	-	<45	-	+2	+2	-	+2	-
	S01	Oak Harbor High School	Ault	58	<45	7	<45	3	+1	+1	+2	+1	+1
	S02	Crescent Harbor Elementary School	Ault	69	54	6	<45	2	+2	+2	+2	+2	-
	S03	Coupeville Elementary School	OLF	53	<45	1	<45	-	+1	+1	+1	+1	-
_	S04	Anacortes High School	Ault	47	<45	-	<45	-	+1	+1	-	+1	-
School	S05	Lopez Island School	None	<45	<45	-	<45	-	+2	+2	-	+2	-
Sch	S06	Friday Harbor Elementary School	None	<45	<45	-	<45	-	+1	-	-	-	-
	S07	Sir James Douglas Elementary School	None	<45	<45	-	<45	-	+1	+1	-	+1	-
		Fidalgo Elementary School	Ault	50	<45	-	<45	-	+1	+1	-	+1	-
	S09	La Conner Elementary School	Ault	52	<45	1	<45	-	+2	+2	-	+2	-
	S10	Elger Bay Elementary School	OLF	<45	<45	-	<45	-	+1	+1	-	+1	-
		Number of Sites Exceeding				3		2			3		_
		1 Intrusive Event per Hour						L -			, ,		
		Minimum Number of Intrusive Events				6		2			+2		-
		per Hour if Exceeding 1						<u> </u>					
		Maximum Number of Intrusive Events				7		3			+2		-
Notes:		per Hour if Exceeding 1				l		l			l		l

⁽¹⁾ assumes 15 dB and 25 dB of Noise Level Reductions for windows open and closed, respectively.

⁽²⁾ Number of Average School-Day Events per hour during 8-hour school day (0800-1600) At or Above an Indoor Maximum (single-event) Sound Level (L max) of 50 dB;

Table A7.5-10 Recreational Speech Interference for the High-Tempo FCLP Year, Alternative 3

								Ar	nual /	Average	Outd			time E	vents	per Ho	ur,					
	Represe	entative Park Receptor	Al	t3A		ase re	Alt	t3B		ase re	Alt	NA 50		ase re	Alt	t3D		ase re	Ali	t3E		ase re
Туре	ID	Description	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
.,,,,	P01	Joseph Whidbey State Park	9	2	+1	-	9	2	+1	-	10	2	+2	-	9	2	+1	-	10	2	+2	-
	P02	Deception Pass State Park	9	2	+1	-	10	2	+2	-	10	3	+2	+1	9	2	+1	-	10	2	+2	-
	P03	Dugualla State Park	9	2	+1	-	9	2	+1	-	10	2	+2	-	9	2	+1	-	10	2	+2	-
	P04	Baseball Field (Ebey's Landing	5	1	+2	-	4	1	+1	-	3	1	-	-	4	1	+1	-	4	1	+1	-
	חסר	National Historical Reserve)				. 4			. 4	. 4			. 4					. 4			. 4	. 4
	P05	Ebey's Landing State Park	4	1	+2	+1	3	1	+1	+1	3	1	+1	+1	4	1	+2	+1	3	1	+1	+1
	P06	Fort Casey State Park	3	1	+2	+1	2	1	+1	+1	1	-	-	-	3	1	+2	+1	2	-	+1	-
	P07	Cama Beach State Park	5	1	+2	+1	4	1	+1	+1	3	1		+1	5	1	+2	+1	4	1	+1	+1
	P08	Port Townsend	2	1	+1	+1	2	1	+1	+1	1	-	-	-	2	1	+1	+1	1	-	-	-
논	P09	Moran State Park	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Park	P10	San Juan Islands National Monument	8	2	+1	-	9	2	+2	-	9	2	+2	-	8	2	+1	-	9	2	+2	-
	P11	San Juan Island Visitors Center Cap Sante Park	- 1	-	- +1	-	- 1	-	- +1	-	1	-	- +1	-	-	-	+1	-	1	-	- +1	-
1	P12	Lake Campbell	5	1	+1	-	5	1	+1	-	6	1	+1	-	5	1	+1	-	5	1	+1	-
1	P13		-	-	+1	-	<u> </u>	-	+1	-	<u> </u>	-	+2	-		-	+1	-	-	-	+1	-
	~~~~~~~~~~	Spencer Spit State Park																				
	P15 P16	Pioneer Park Marrowstone Island (Fort	5 2	1	+1 +2	- +1	1	1	- +1	-	4	<u>1</u> -	-	-	1	1	- +1	- +1	<u>4</u> 1	<u>1</u> -	- +1	-
	EBLA001	Flagler) Reuble Farm	4	1	+2	+1	3	1	+1		2				4	1	+2	+1	3	1	+1	
	EBLA001			***************************************						+1												+1
-		Ferry House	4	1	+2	+1	3	1	+1	+1	2	_		-	4	1	+2	+1	3	1	+1	+1
	R01	Sullivan Rd	9	2	+1	-	10	2	+2	-	11	3	+3	+1	10	2	+2	-	10	3	+2	+1
	R02	Salal St. and N. Northgate Dr	9	2	+1	-	10	2	+2	-	11	3	+3	+1	10	2	+2	-	10	3	+2	+1
	R03	Central Whidbey	8	2	+1	-	9	2	+2	-	9	2	+2	-	9	2	+2	-	9	2	+2	-
	R04	Pull and Be Damned Point	8	2	+1	-	9	2	+2	-	10	2	+3	-	9	2	+2	-	9	2	+2	-
	R05	Snee-Oosh Point	8	2	+1	-	9	2	+2	-	9	2	+2	-	8	2	+1	-	9	2	+2	-
	R06	Admirals Dr and Byrd Dr	3	1	+2	+1	2	1	+1	+1	1	-	-	-	3	1	+2	+1	2	-	+1	-
	R07	Race Lagoon	5	1	+2	-	4	1	+1	-	3	1	-	-	4	1	+1	-	3	1	-	-
	R08	Pratts Bluff	3	1	+2	+1	2	1	+1	+1	1	-	-	-	3	1	+2	+1	2	-	+1	-
ial	R09 R10	Cox Rd and Island Ridge Way Skyline	2	1	+1	+1	4	1	+1	+1	5	1	+1	-	2	1	+1	+1	1 5	1	+1	-
Residential	R11	Seguim	1	-	+1	-	1	-	+1	-	1	-	+1	-	1	-	+1	-	1	-	+1	-
ide	R12	Port Angeles	1			-	1	-		-	1	-	-	-	1	-		-	1	-		-
Ses	R13	Beverly Beach, Freeland	1		+1		1	-	+1	-					1		+1					
-	R14	E Sleeper Rd & Slumber Ln	9	2	+1	-	10	2	+2	-	10	3	+2	+1	10	2	+2		10	3	+2	+1
	R15		9	3	+2	+1	9	2	+2	-	9	2	+2	-	9	3	+2		9	2	+2	-
		Long Point Manor	5		200000000000000000000000000000000000000				****************				200000000000000000000000000000000000000				***************************************	+1	DODGO O O O O O O O O O O O O O O O O O		200000000000000000000000000000000000000	
	R16	Rocky Point Heights		1	+1	-	5	2	+1	+1	6	2	+2	+1	5	1	+1	-	5	2	+1	+1
1	R17	Port Townsend	2	1	+1	+1	1		-	-		-	-1	-	1	1	-	+1	1	-	-	-
	R18	Marrowstone Island (Nordland)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	R19	Island Transit Offices, Coupeville	5	1	+2	-	4	1	+1	-	3	1	-	-	5	1	+2	-	4	1	+1	-
	R20	South Lopez Island (Agate Beach)	4	1	+1	-	4	1	+1	-	4	1	+1	-	4	1	+1	-	4	1	+1	-
1	S01	Oak Harbor High School	9	2	+1	-	10	2	+2	-	10	3	+2	+1	9	2	+1	-	10	2	+2	-
	S02	Crescent Harbor Elementary School	8	2	+1	-	9	2	+2	-	10	2	+3	-	9	2	+2	-	9	2	+2	-
	S03	Coupeville Elementary School	5	1	+2	-	4	1	+1	-	3	1	-	-	4	1	+1	-	3	1	-	-
1	S04	Anacortes High School	1	-	-	-	1	-	-	-	1	-	-	-	11	-	-	-	1	-	-	-
_	S05	Lopez Island School	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
School	S06	Friday Harbor Elementary School	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	S07	Sir James Douglas Elementary School	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	S08	Fidalgo Elementary School	5	1	+1	-	5	1	+1	-	5	1	+1	-	5	1	+1	-	5	1	+1	-
	S09	La Conner Elementary School	4	1	+1	-	4	1	+1	-	4	1	+1	-	4	1	+1	-	4	1	+1	-
	S10	Elger Bay Elementary School	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-