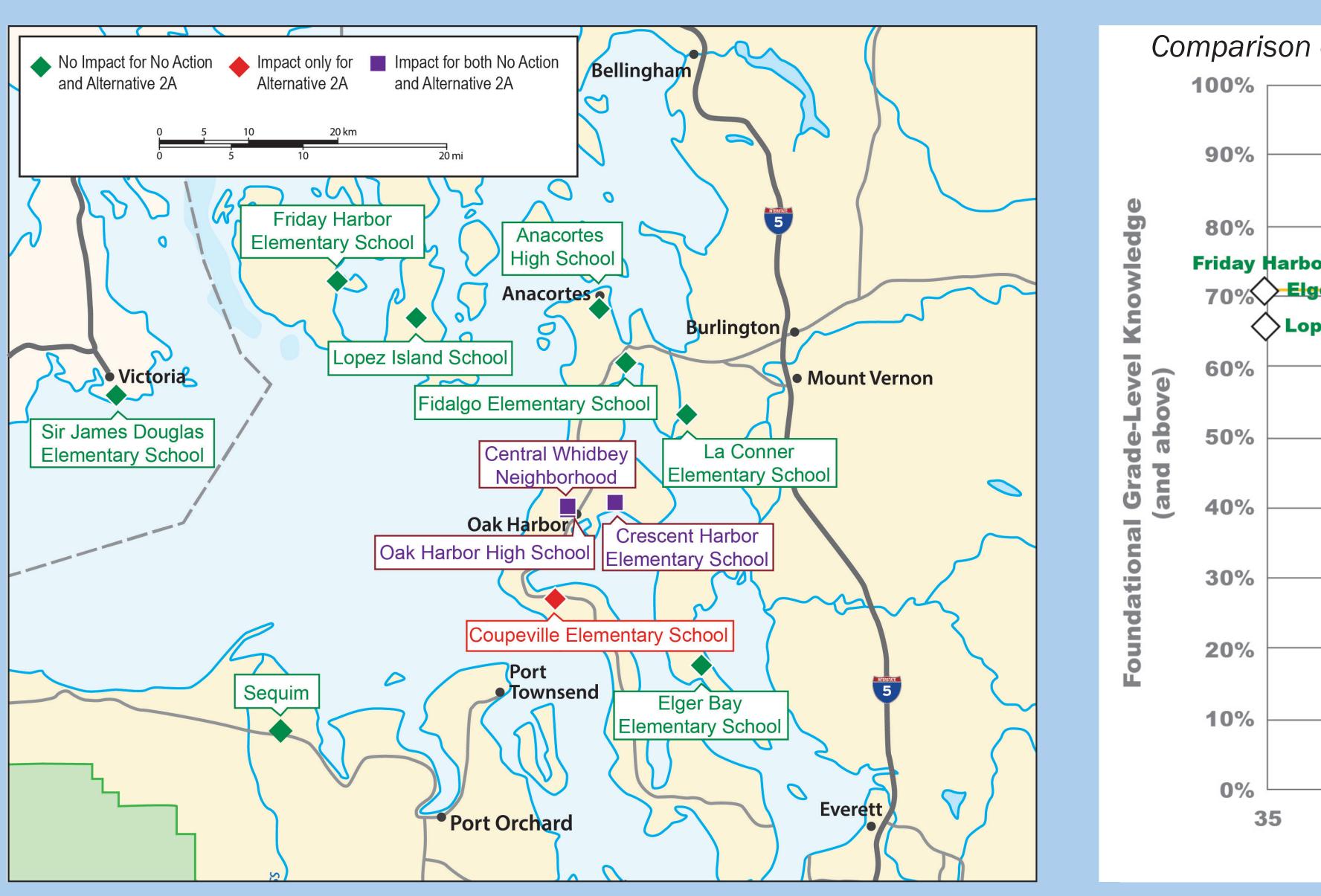




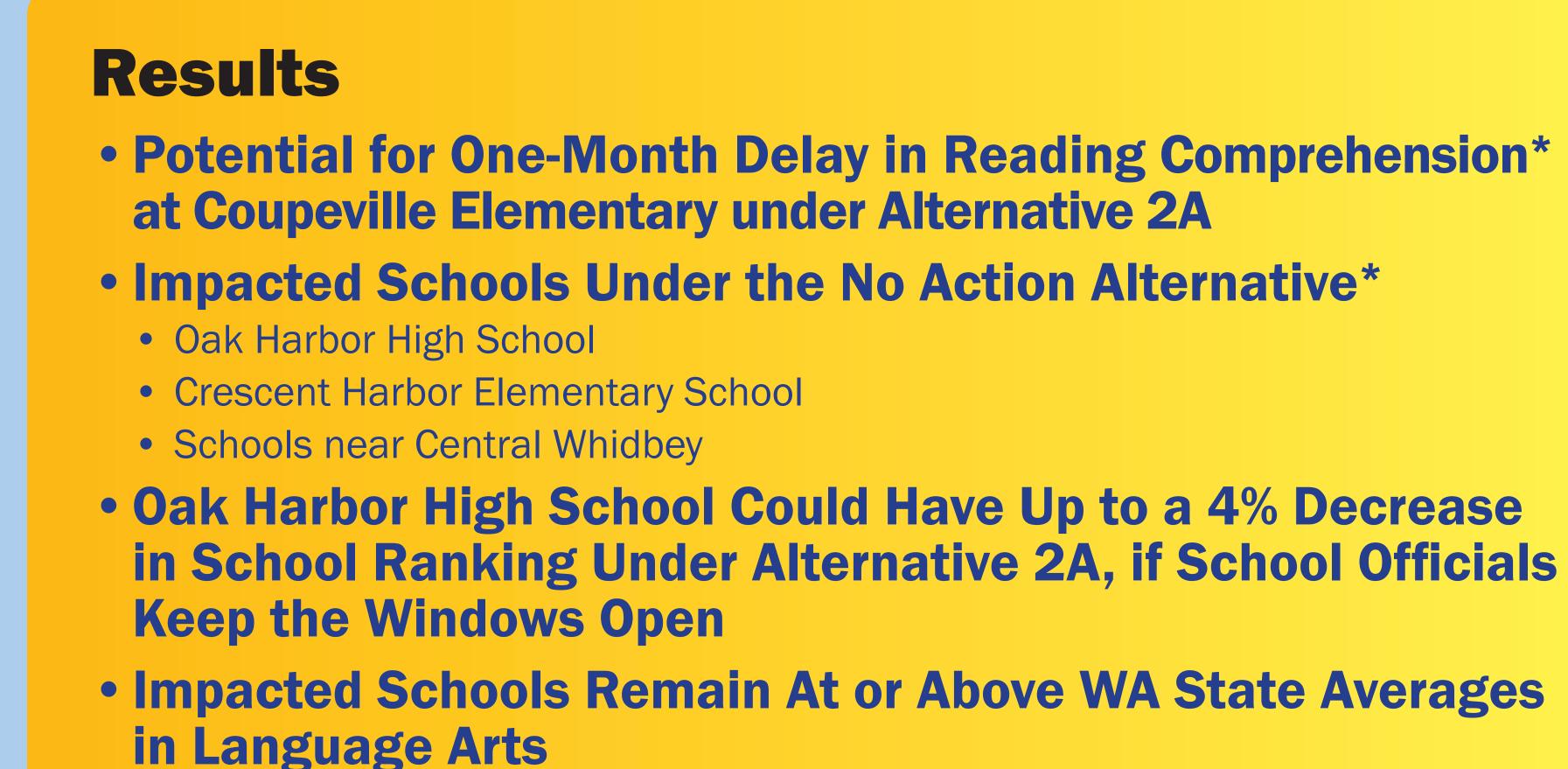
# The Amended Analysis refines the analysis of the potential impacts of the proposed action on childhood learning and quantifies the degree of impact to the extent supported by the scientific literature.

## Analysis

- Current Research
- Documented Effects of **Aircraft Noise** 
  - Reading Comprehension (causal)
  - Test Scores (correlation)
- There is Insufficient **Evidence to Date to Establish a Causal Relationship to Other Learning Impacts**



# Impacts to Childhood Learning



\*Clark, C., Martin, R., van Kempen, E., Alfred, T., Head, J., Davies, H. W., Haines, M.M., Barrio, I. L., Matheson, M., and Stansfeld, S.A. (2005). "Exposure-effect relations between aircraft and road traffic noise exposure at school and reading comprehension: the RANCH project," American Journal of Epidemiology. 163, pp. 27-37.

# Mitigations

#### Communications:

- testing periods in schools

### Sound Insulation in Schools

- Cooperation
- for grant funding

## • Flight Operations:

for flight safety

#### Comparison of Daytime Outdoor L<sub>ea.Adav</sub> with School's English Language Arts Assessment Score

		Anacortes H	S			
		$\diamond$	Coupeville I	s 🔷	)ak Harl	oor HS
or ES g <del>er Bay ES</del>		Fidalgo I	s			
pez Island						
			♦ La Conner E	S		
					<ul> <li>Representative</li> <li>WA State Avera</li> </ul>	
4	0	45 5	50 5	5	6	0





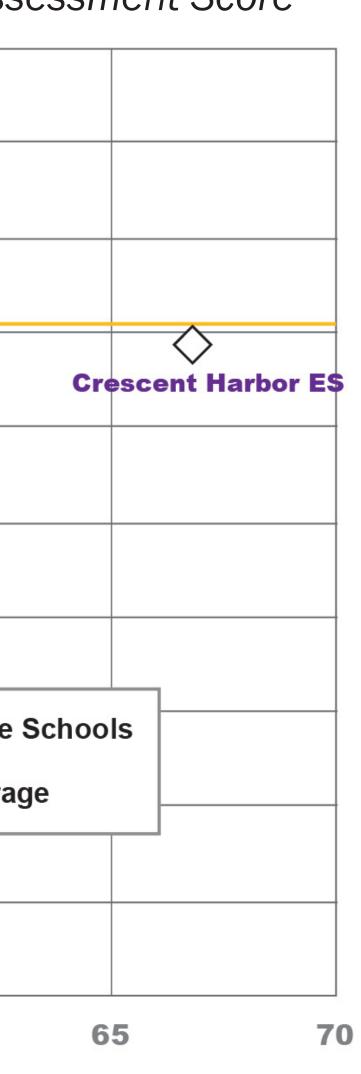
 NAS Whidbey Island maintains open lines of communication with the local schools

 Air Operations monitors schedules and attempts to adjust flights during key academic

 New Community Noise Mitigation Program, through the Office of Local Defense Community

Oak Harbor Schools have been invited to apply

Avoid noise-sensitive areas, unless redirected



For more information visit www.nepa.navy.mil/growler

