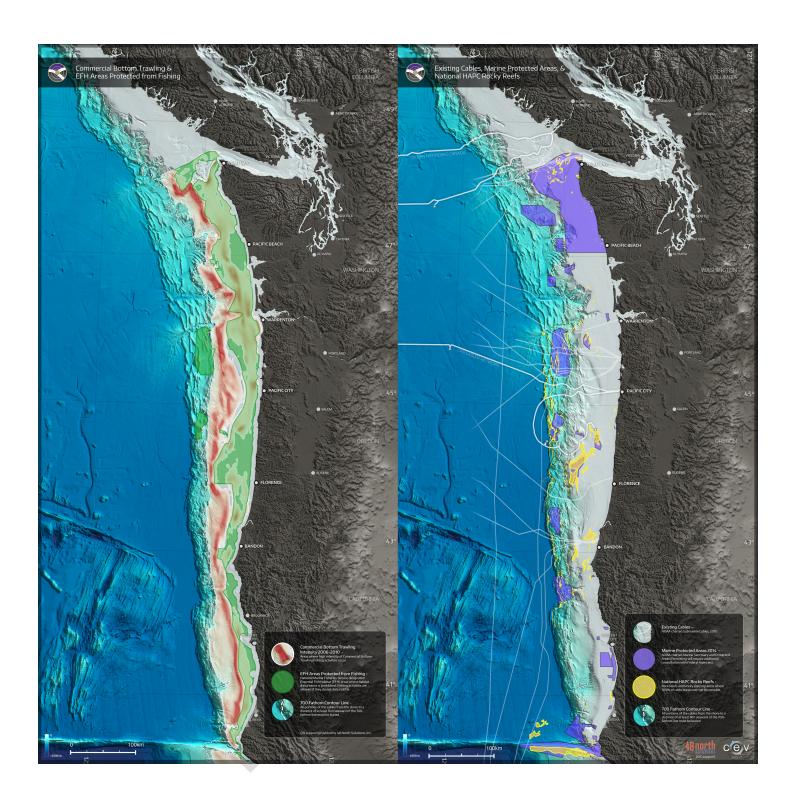
## Appendix C

## **Workshop Graphics and Distributed Material**

Full resolution versions of these graphics are included in the online version of the workshop report







## Infrastructure Comparison Chart

	Seismic M.	Geodetic N.	Earthquake Earl	Tsunami Early	Supports Other	Data Latency or	General Rati	Resists Damans	Technological	Installed Cost Per	Maintenance Cost	900v
Cable Designs						Latency						
Fixed Cable	•	•	•	•		microseconds to milliseconds	<b>///</b>	<b>~</b>	<b>///</b>	\$\$\$	\$	
Configurable Cable	•	•	•	•	•	microseconds to milliseconds	<b>&gt;&gt;&gt;</b>	>	<b>///</b>	\$\$\$\$	\$	
Hybrid Cable	•	•	•	•	•	microseconds to milliseconds	<b>///</b>	<b>*</b>	<b>///</b>	\$\$\$\$	\$	
Buoys & Moorings						Latency						
Primary Cell Buoy/Moorings	•	•		•	•	seconds	<b>* *</b>	<b>//</b>	<b>/</b> /	\$\$	\$\$	
Hydrokinetic Energy Buoys/Moorings	•	•		•	•	seconds	**	>>	✓	\$\$\$	\$	
Mutihop RF buoys	•	•		•	•	minutes	<b>&gt;</b>	<b>*</b>	<b>✓</b>	\$\$	\$	
Subsea Links						Rate						
Wireless Power Transfer					•	kWatts over centimeters	<b>&gt;</b>	<b>&gt;</b>	<b>//</b>	\$	\$	
Optical Data Transfer					•	upto 500 Mbps over meters	<b>*</b>	<b>~</b>	<b>/</b> /	\$	\$	
Acoustic Mesh		•		•	•	kbps over kilometers	<b>*</b>	<b>//</b>	<b>/</b> /	\$	\$	
Platforms						Latency						
Wave Glider		•		•		seconds	<b>&gt;</b>	<b>***</b>	<b>//</b>	\$	\$\$	
Sea Glider/Deep Glider					•	hours between surfacing	<b>*</b>	<b>///</b>	<b>//</b>	\$	\$\$	
AUV					•	hours between docking or surfacing	<b>&gt;</b>	<b>***</b>	<b>//</b>	\$	\$\$	
Other												

<sup>•</sup> Grey dots indicates that the technology could be used in combination with other systems as part of a complete solution

## Sensing System Comparison Chart

	Seismic Monitori.	Geodetic Monitor	Earthquake Early	Tsunami Early Warning	General Reliabilia	Resists Damage	Technology Mat.	Installed Cost Per	Maintenance Cost
Sensors	,		/ <b>W</b>		, 0				
Seismometer	•	•	•		111	<b>~</b>	111	\$\$	\$
Accelerometer	•	•	•		111	<b>*</b>	111	\$	\$
Tilt Meter	•	•	•		111	<b>✓</b>	111	\$	\$
Seafloor Pressure	•	•	•	•	<b>**</b>	~	<b>**</b>	\$	\$
Fiber Optics for strain, pressure, temperature	•	•	•	•	44	~	~	\$\$	\$
Remote Sensing	•	•		•	444	111	444	\$\$\$	\$
Gravity Meter	•	•			<b>**</b>	444	**	\$	\$
Acoustic GPS		•			**	~	**	\$\$	\$\$

<sup>•</sup> Grey dots indicates that the technology could be used in combination with other systems as part of a complete solution