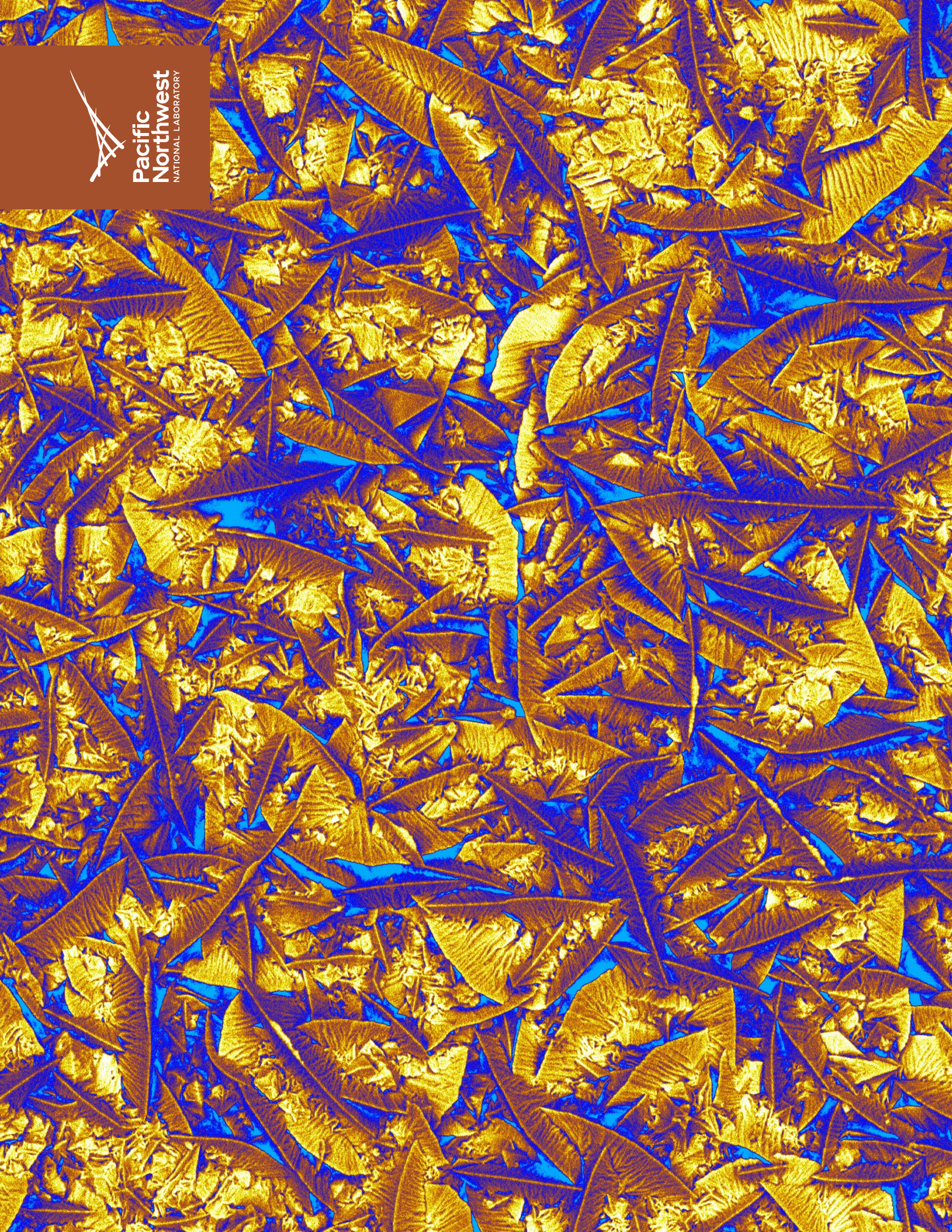




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SCIENCE as ART
2026



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January 2026

Hawaiian Leaves in the Sea

The microstructure of a cobalt-coated stainless-steel interconnect for solid oxide cells, as captured by a scanning electron microscope. (Credit: Tian Liu / Sponsor: Department of Energy, Office of Energy Efficiency and Renewable Energy, Hydrogen and Fuel Cell Technologies Office)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
28	29	30	31	1	2	3
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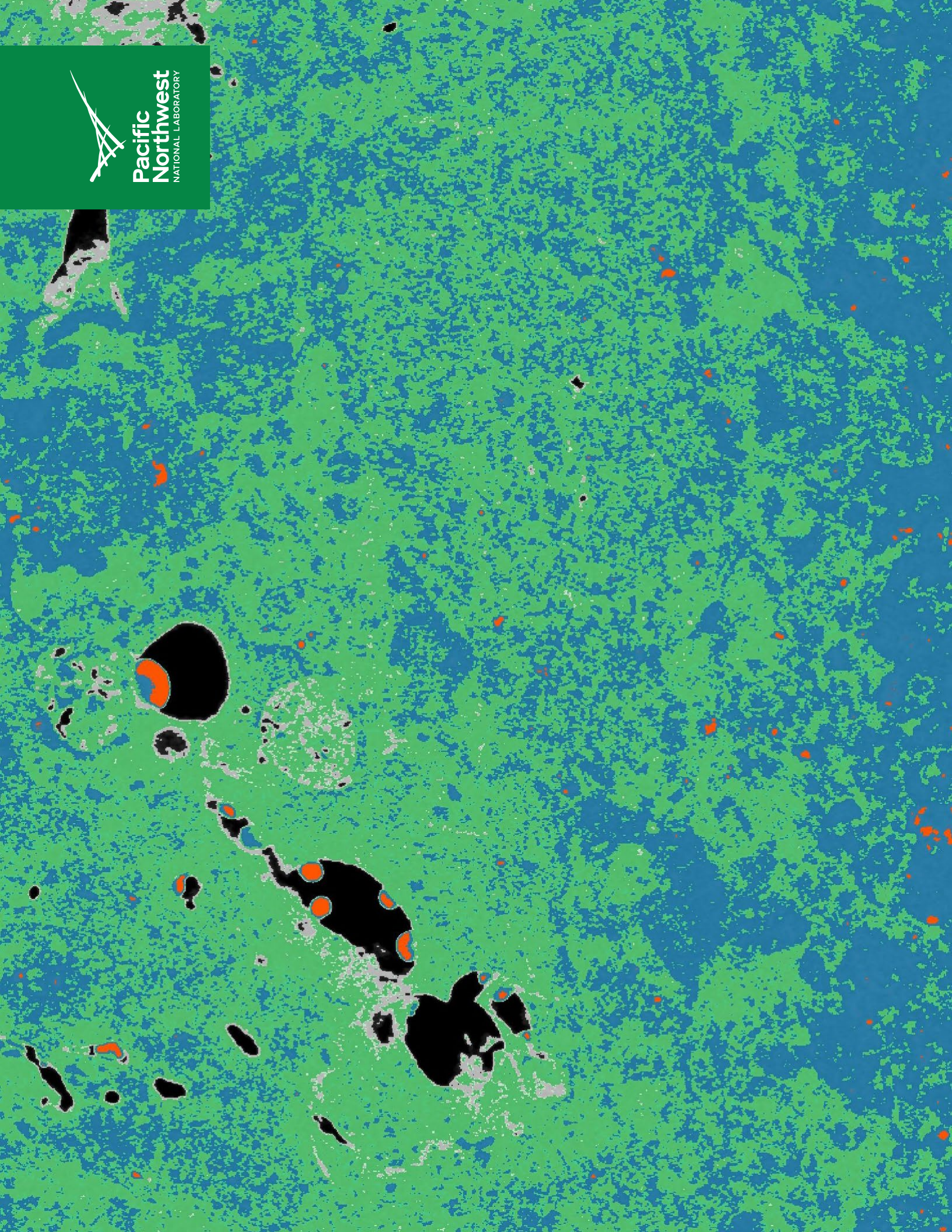
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February 2026

Expanding Monazite Horizons

Picture showing precipitation of monazites in iron phosphate glass. This is a testament to research on novel phosphate wasteforms for future reactor wastes, where pushing waste loading limits resulted in unexpected success. **(Credit: Mirka Peterson / Sponsor: Department of Energy, Advanced Research Projects Agency-Energy)**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
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8	9	10	11	12	13	14
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March 2026

Unlocking Subsurface Mineralization and Critical Mineral Recovery

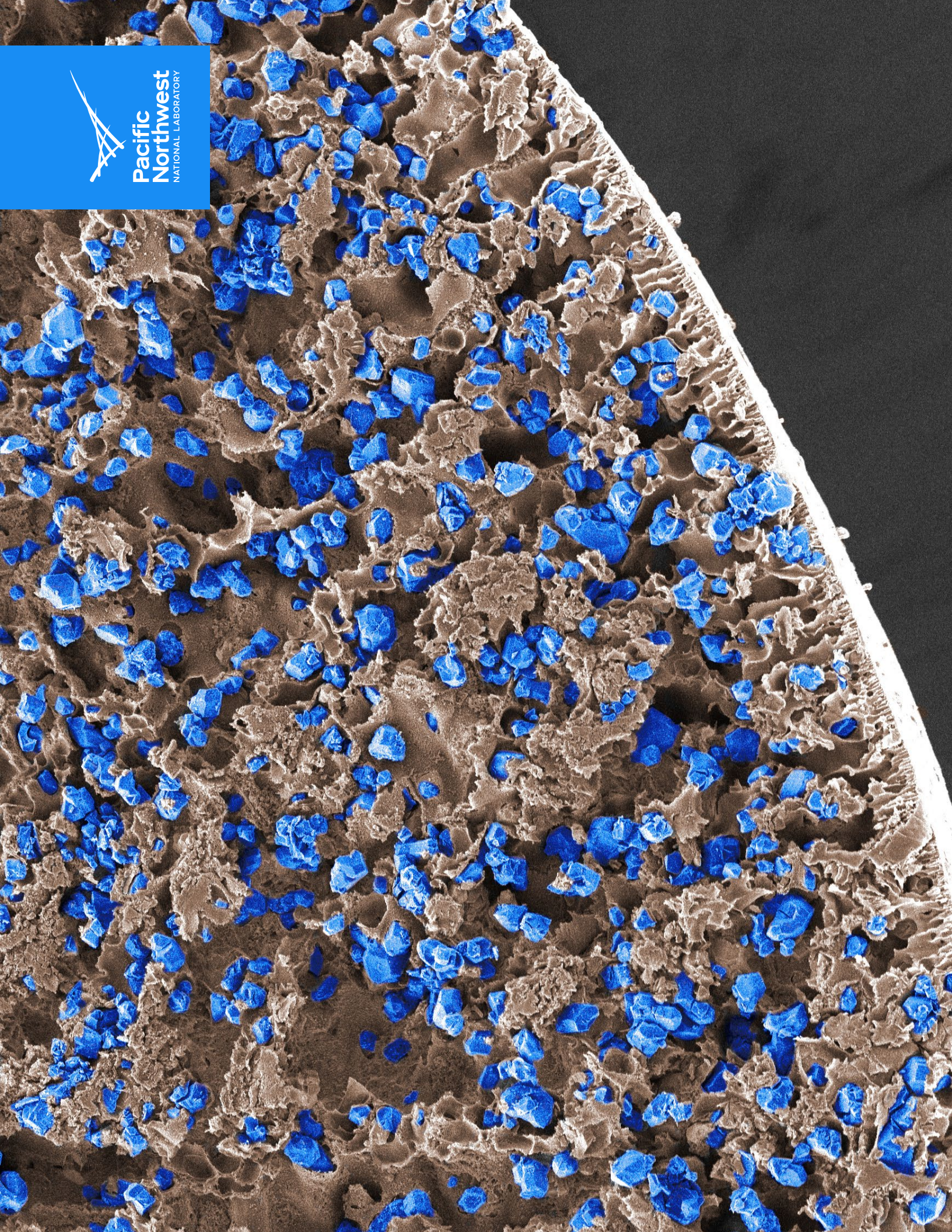
A slice of a 3D X-ray image of Wallula, WA, basalt core recovered from nearly a mile underground, within a zone where PNNL injected engineered fluids. Images show pores (black), newly formed minerals (orange), and preexisting rock (green, blue), demonstrating Earth as a reactor for subsurface mineralization and critical mineral recovery.

(**Credit:** Yuntian Teng, Quin Miller, Nabajit Lahiri, Heath Stanfield, Emily Nienhuis, and Todd Schaef | **Sponsor:** Department of Energy, Office of Fossil Energy and Carbon Management)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7
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22	23	24	25	26	27	28
29	30	31	1	2	3	4



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April 2026

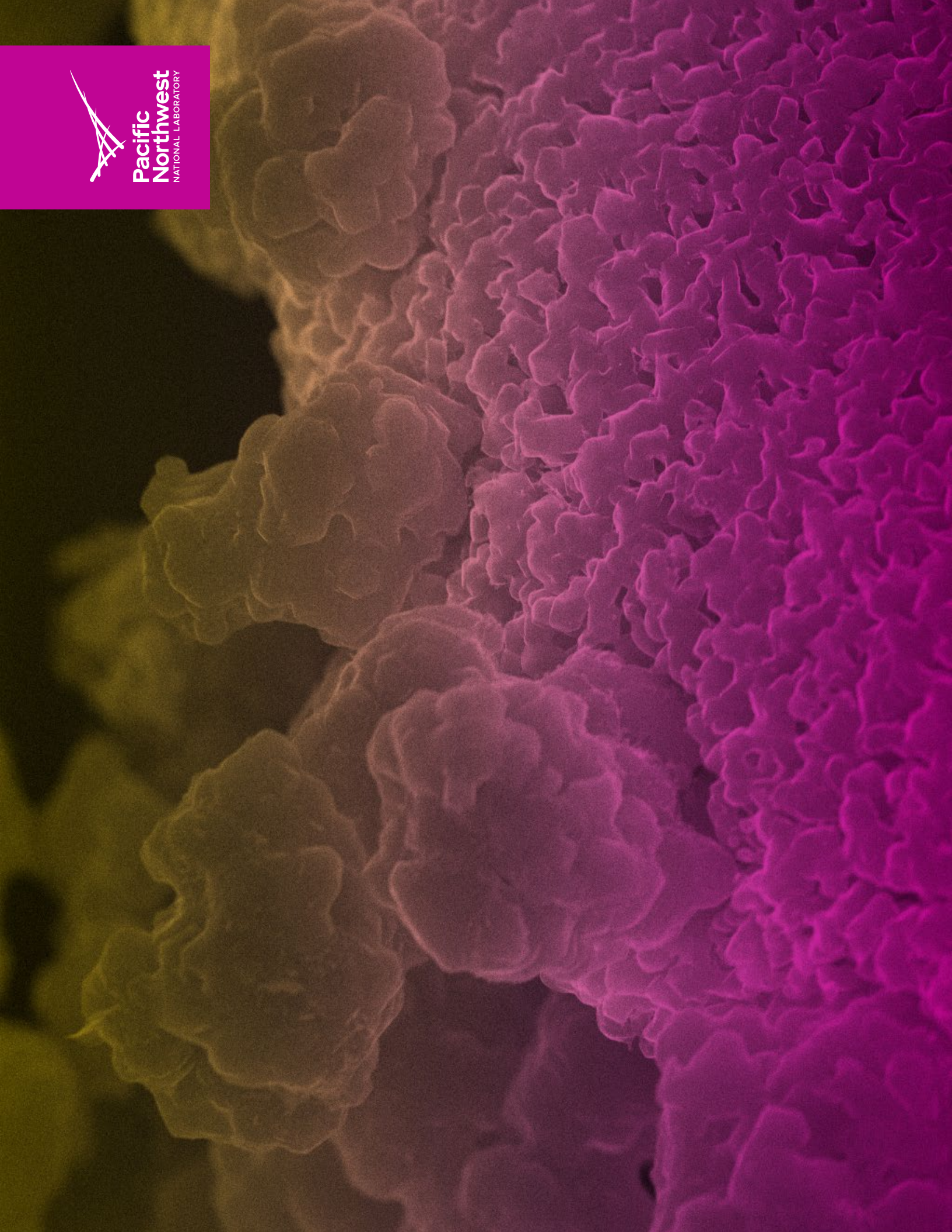
Crystal Containment

Scanning electron microscopy image of nanoporous copper-based metal-organic framework crystals bound within a porous polymer bead. PNNL is developing these and other engineered sorbents so that they can be used to protect public health by collecting and treating gaseous byproducts in advanced reactors. *(Credit: Matthew Hurlock and Praveen Thallapally | Sponsor: Department of Energy, Office of Nuclear Energy)*

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
29	30	31	1	2	3	4
5	6	7	8	9	10	11
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19	20	21	22	23	24	25
26	27	28	29	30	1	2



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Energizing Lithium Oxide Through Sublimation

A scanning electron microscopy image capturing the moments before lithium oxide (fuchsia area) sublimated and mixed with the nickel-rich material surrounding it. (Credit: Research by Jie Xiao, image by Thermo Fisher Scientific | Sponsor: Department of Energy, Office of Energy Efficiency and Renewable Energy, Advanced Materials and Manufacturing Technologies Office and Vehicle Technologies Office)

May 2026

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
26	27	28	29	30	1	2
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10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	1	2	3	4	5	6



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Vitrification Vials

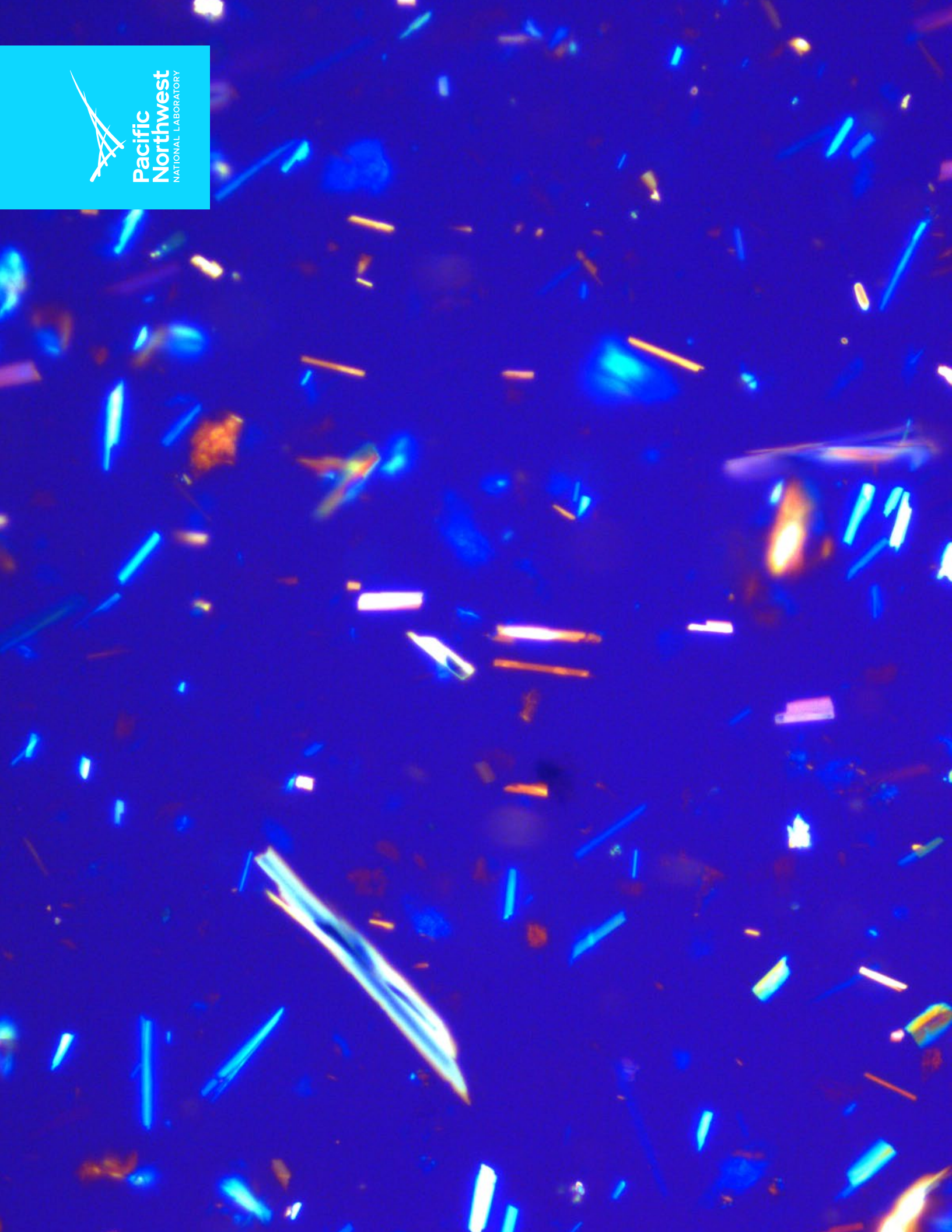
A PNNL team in the Wasteform Development Laboratory is collecting data on high-level waste glasses to develop models that help design glasses with maximal waste content. This will help save time and reduce costs for radioactive waste processing at the Hanford Waste Treatment and Immobilization Plant. *(Credit: Research by John Vienna and Renee Russell, photograph by Andrea Starr / Sponsor: Department of Energy, Office of Environmental Management)*

June 2026

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	1	2	3	4



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July 2026

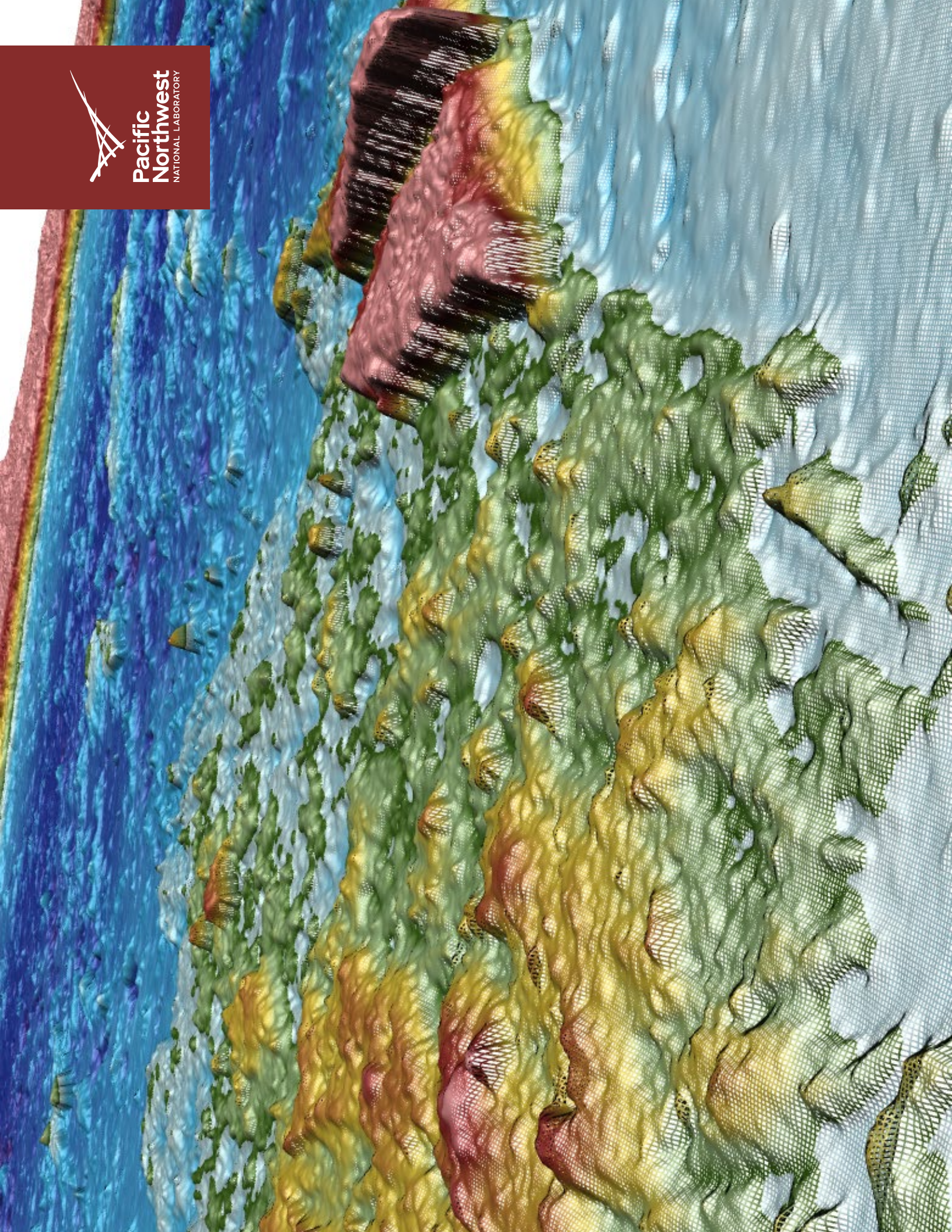
Phosphate Particle Fireworks

PNNL is evaluating the crystallization of natrophosphate in tank waste simulant samples. Phosphate can precipitate quickly and affect waste processing. These sodium phosphate crystals with the formula $\text{Na}_3\text{PO}_4 \cdot 8\text{H}_2\text{O}$ can be readily identified from their high-birefringent acicular form. *(Credit: Edgar Buck, Susan Asmussen, Austin Bachman, and Reid Peterson | Sponsor: Department of Energy, Office of Environmental Management)*

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28	29	30	1	2	3	4
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26	27	28	29	30	31	1



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August 2026

Islands of Multiply-Plasma-Surface-Modified Polymer Composites

PNNL investigates plasma surface modification methods to optimize the bonding behavior of polymer composites. This image, which looks like islands in an ocean, shows excessive fiber debris due to peeling from the composite substrate and cohesive failure within the polymer adhesive. *(Credit: Yao Qiao / Sponsor: Department of Energy, Office of Energy Efficiency and Renewable Energy, Vehicle Technologies Office and the Science Undergraduate Laboratory Internships program)*

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
26	27	28	29	30	31	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	1	2	3	4	5



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September 2026

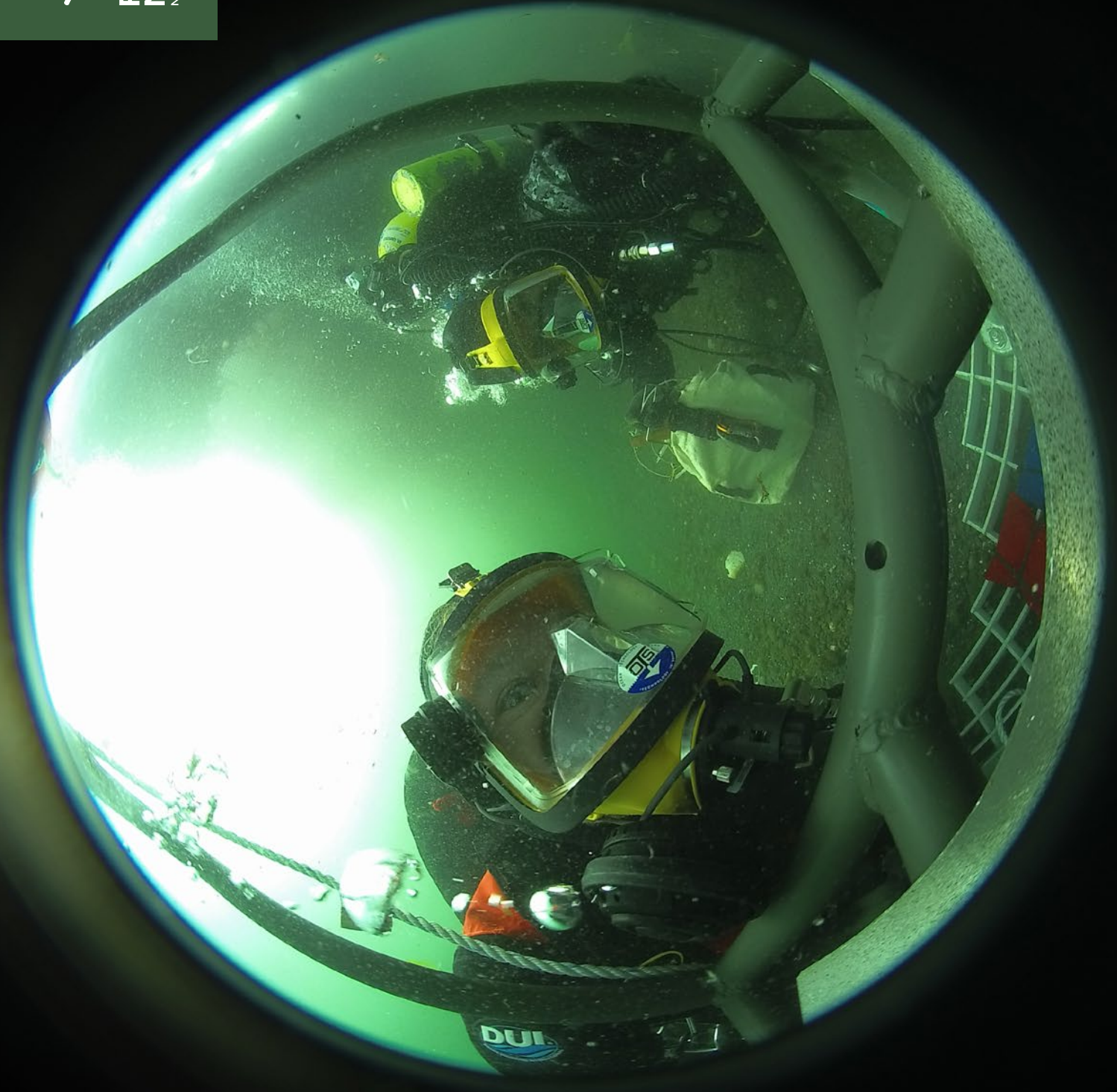
Sandwich of Bismuth Tri-iodide and Bismuth Oxyiodide

PNNL is evaluating the chemical durability of metal iodides (i.e., AgI, BiI₃, BiOI, CuI, and SnI₄). The optical micrograph shows a corroded disk of BiI₃ where chemical durability testing showed a shell of BiOI serving as a corrosion layer. *(Credit: Jared Oshiro, Matt Asmussen, Saehwa Chong, Brian Riley, Jarrod Crum, Joshua Silverstein and Nathan Canfield / Sponsor: Department of Energy, Office of Nuclear Energy)*

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
30	31	1	2	3	4	5
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13	14	15	16	17	18	19
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27	28	29	30	1	2	3



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October 2026

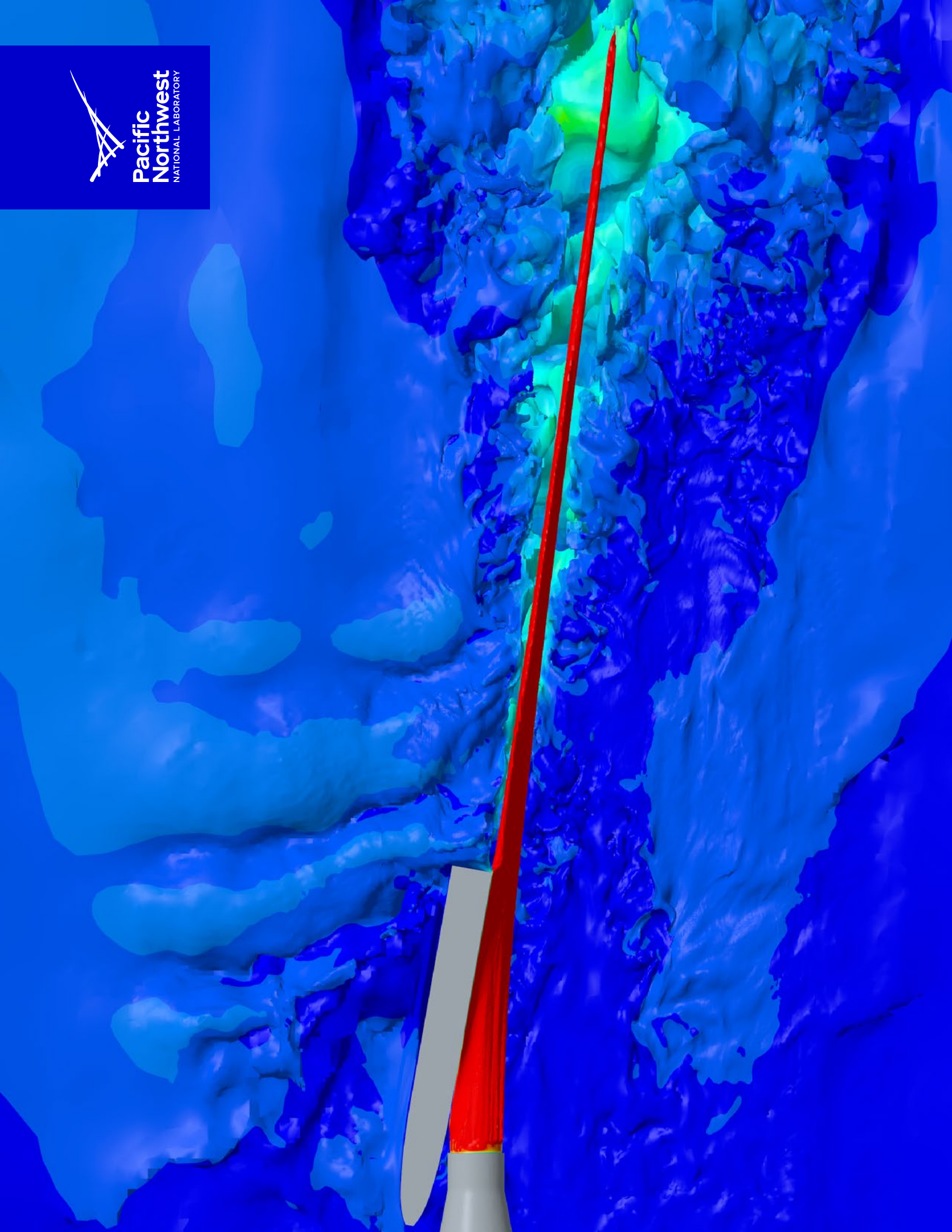
Porthole to PNNL-Sequim

A 360-degree underwater camera was deployed from the floating dock at PNNL-Sequim to monitor fish activity. During one of the deployments, the camera snapped a porthole-shaped shot of PNNL-Sequim divers Ted Nowak and Ioana Bociu, who had come to check on it. *(Credit: Lendig Hemery / Sponsor: Department of Energy, Water Power Technologies Office)*

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Fluid Symphony: Velocity in Motion

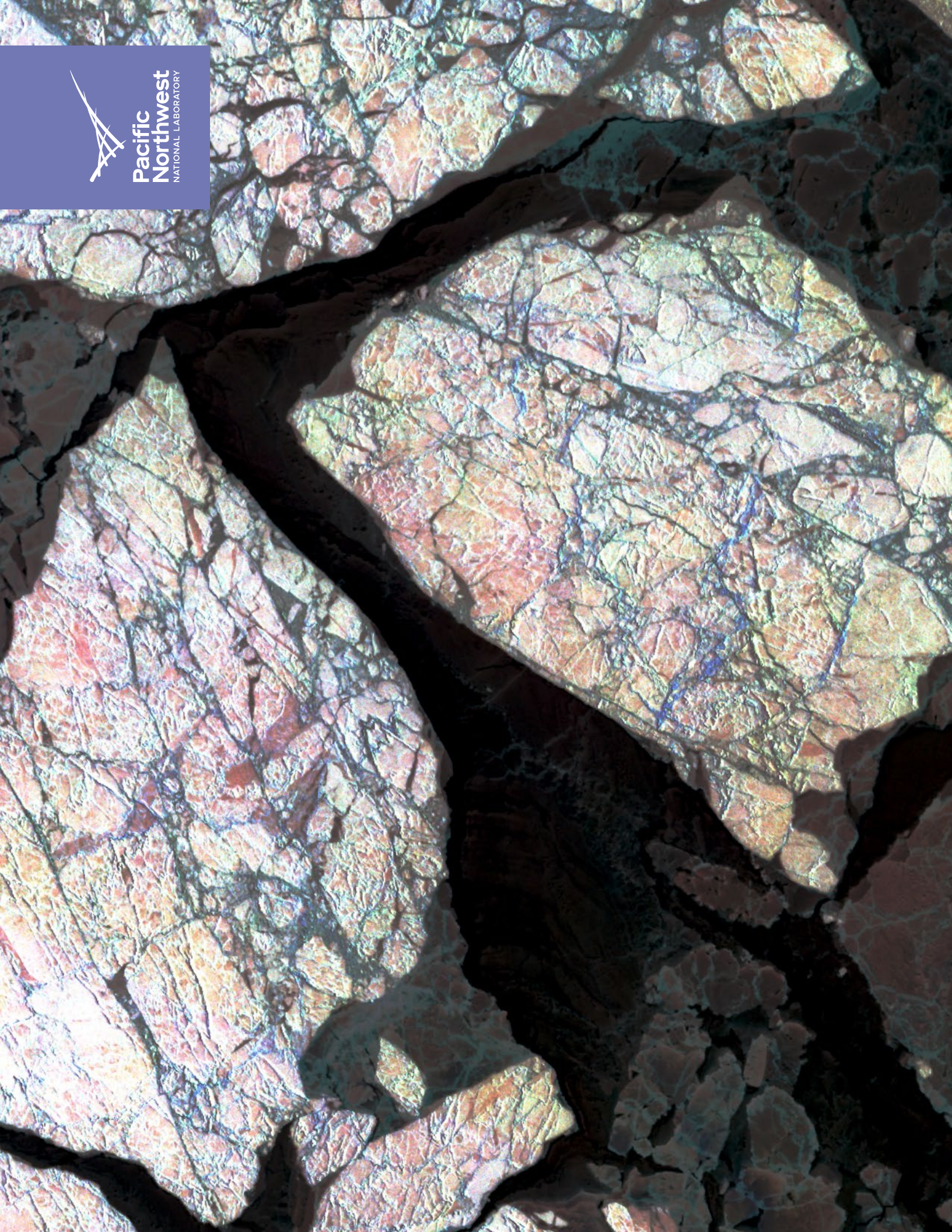
This computational fluid dynamics simulations image shows varying velocities on the water surface in a testing tank, with lighter blue being low velocity and red being the highest velocity. By using computer simulations of water, data from Sensor Fish devices, and live fish, PNNL's research can help improve fish passage structures through design and operation considerations. *(Credit: Rajesh Singh, Stephanie Larson, Kyle DeSomber, Alison Colotelo, and Alicia Mahon / Sponsor: U.S. Army Corps of Engineers)*

November 2026

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7
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22	23	24	25	26	27	28
29	30	1	2	3	4	5



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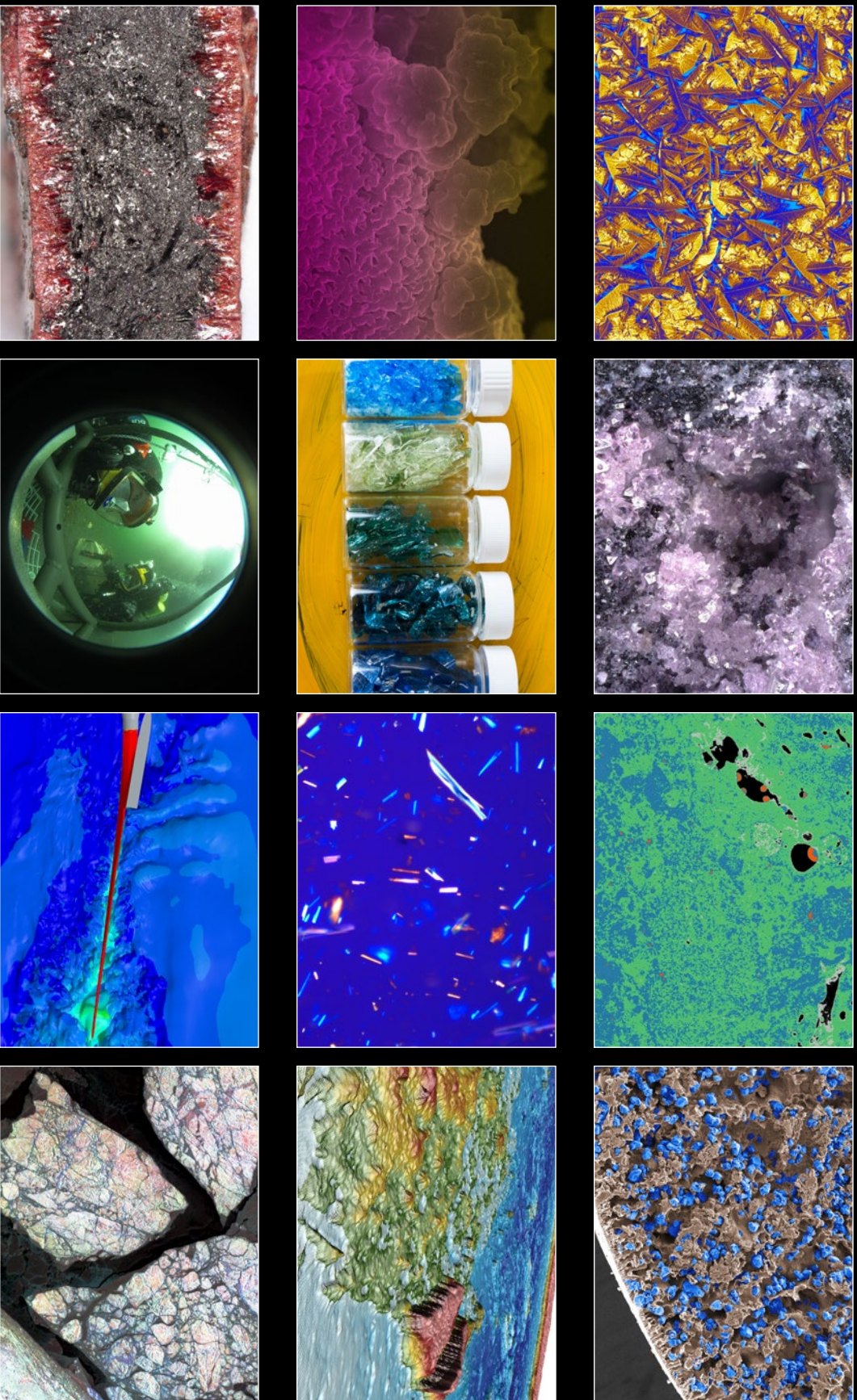


Ice Gems

Image of floating ice above the Arctic Circle, captured by a Planet™ satellite. This is one of many tools PNNL is using in the Arctic Pacific Infrastructure for Sustaining Continuous Engineering and Science project to collect data to improve understanding of ice safety and study the formation and dissolution of landfast ice near Utqiagvik, AK. The color and shade of ice vary depending on its age and structure. *(Credit: Jerry Tagestad / Sponsor: Department of the Navy, Office of Naval Research)*

December 2026

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
29	30	1	2	3	4	5
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13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2



As one of the Department of Energy's 17 national laboratories, Pacific Northwest National Laboratory (PNNL) advances scientific knowledge and addresses challenges in energy and national security. This calendar features work from PNNL's Energy and Environment Directorate, which has a broad research portfolio focused on delivering innovations for energy efficiency and reliability as well as developing environmental management solutions.

FRONT COVER: What the Land Says Through Colors – An image composite of topographical data (slope, elevation, and aspect) over Mt. Hood, OR, used in wildfire behavior models. This information influences modeled wind speed and direction, fire spread direction, and fire intensity in wildfire simulations. *(Credit: Troy Saitiel with data from the United States Geological Survey / Sponsor: Bonneville Power Administration)*