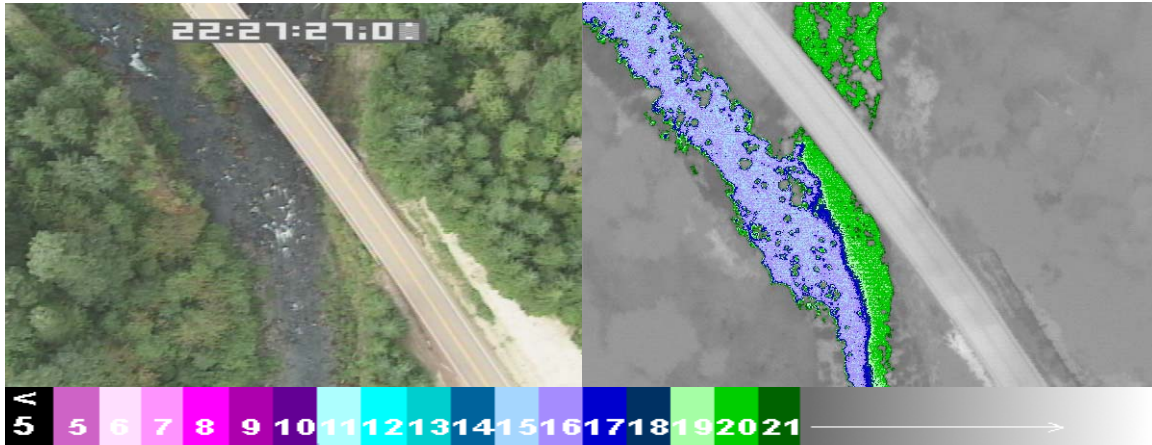
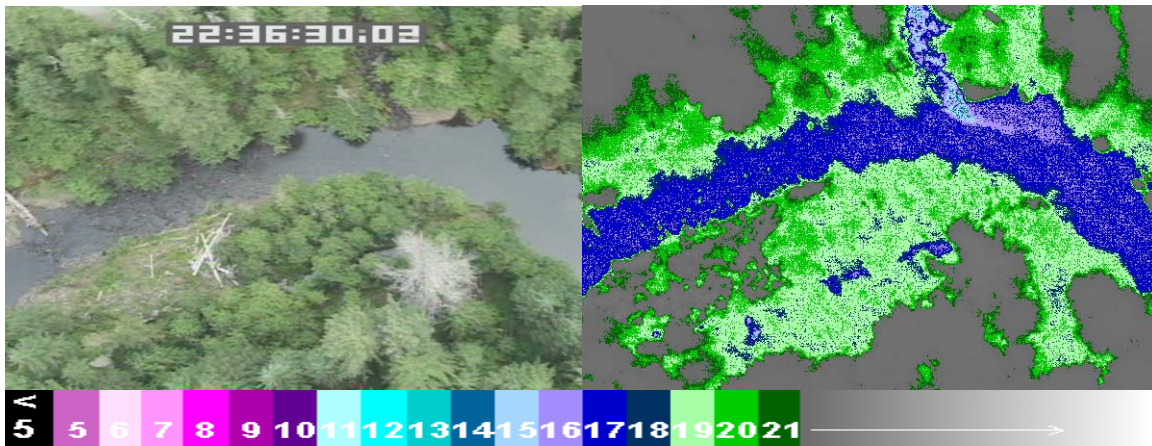


Appendix A - Selected Images

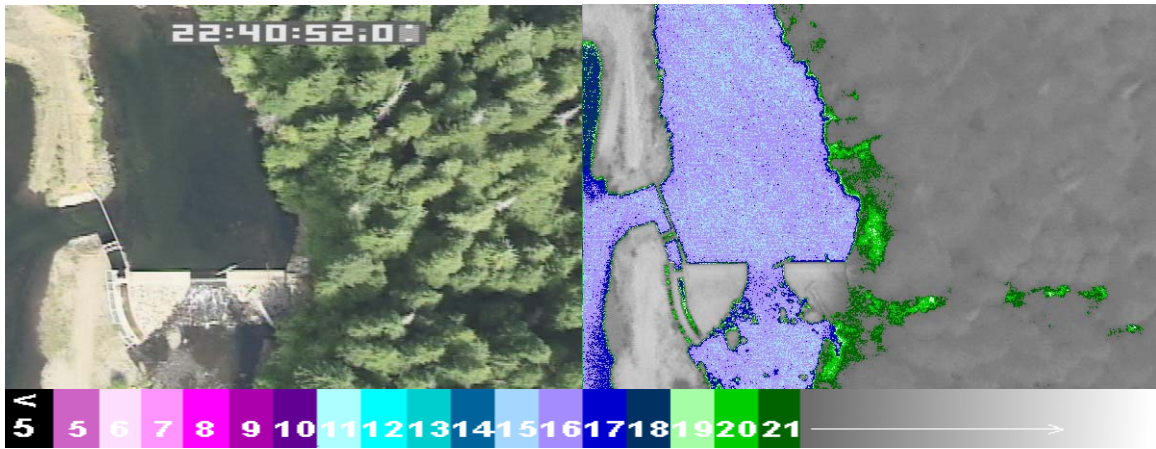
Fish Creek



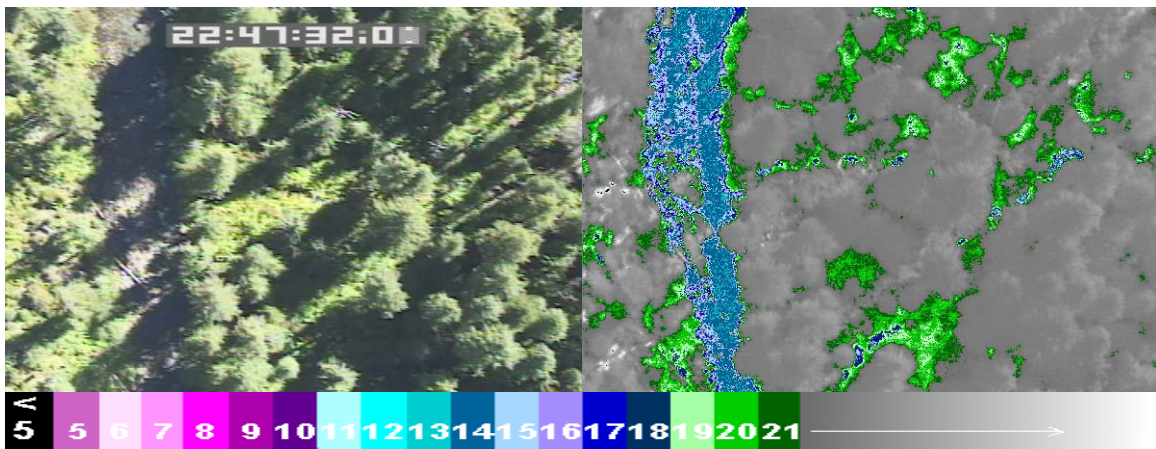
Frame: Fc0019 – Confluence of Fish Creek (20°C) and the North Umpqua River (15.9°C). Flow direction is from the top to bottom of the image.



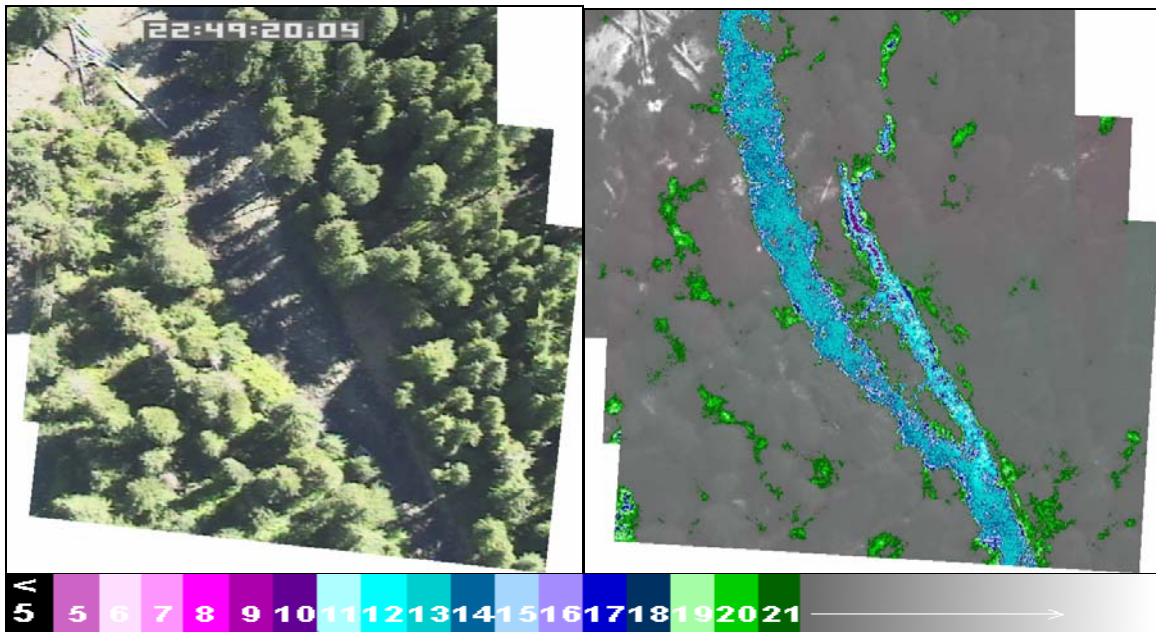
Frame: Fc0290 – Fish Creek (17.4°C) and Eva Creek (15.8°C) at river mile 4.6. Flow direction is from right to left in the image.



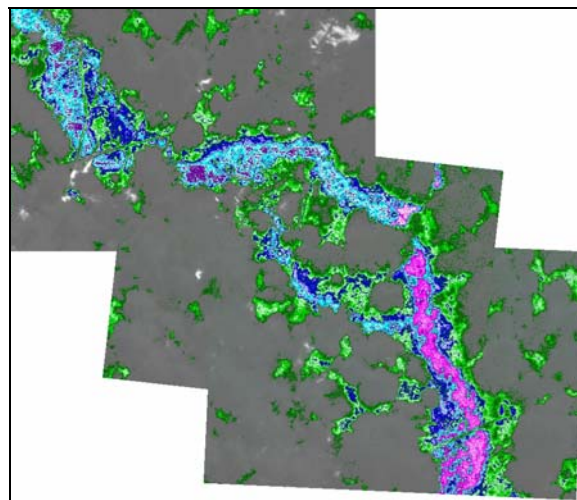
Frame: Fc0421 – Fish Creek (15.9°C) at the Fish Creek Diversion Dam (river mile 6.8). Flow direction is from the top to bottom of the image.



Frame: Fc0621 – The confluence of Fish Creek (14.6°C) and Grave Creek (15.0°C). The forest canopy and small width of the Grave Creek make identification in the visible band image difficult. The Grave Creek inflow is easily to detect in the TIR image; however, it is not possible to get an accurate temperature sample from a stream of this size.

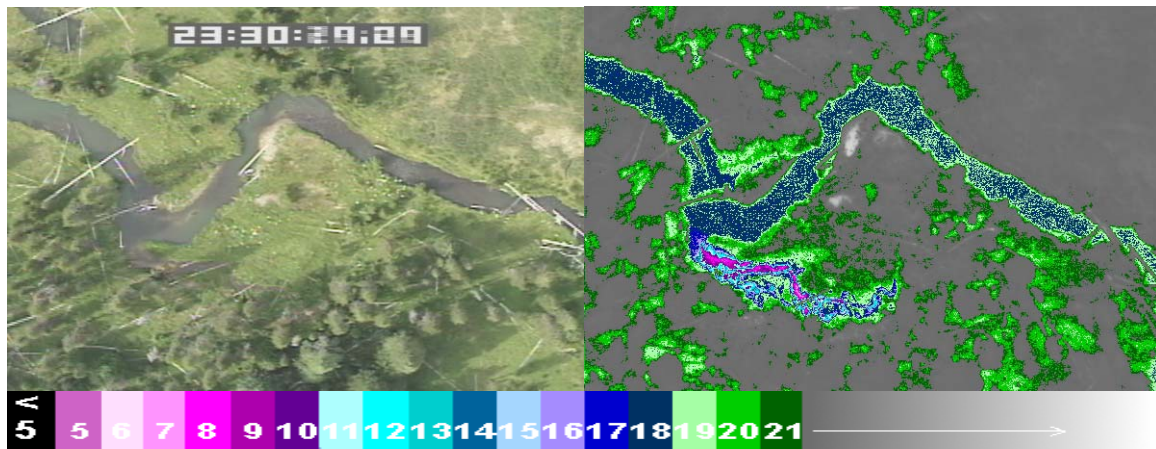


Frames: Fc0673-0675 – Image mosaics showing Fish Creek (13.7°C) and a cool inflow (11.2°C) at river mile 12.2. Flow direction is from the top to bottom of the image.

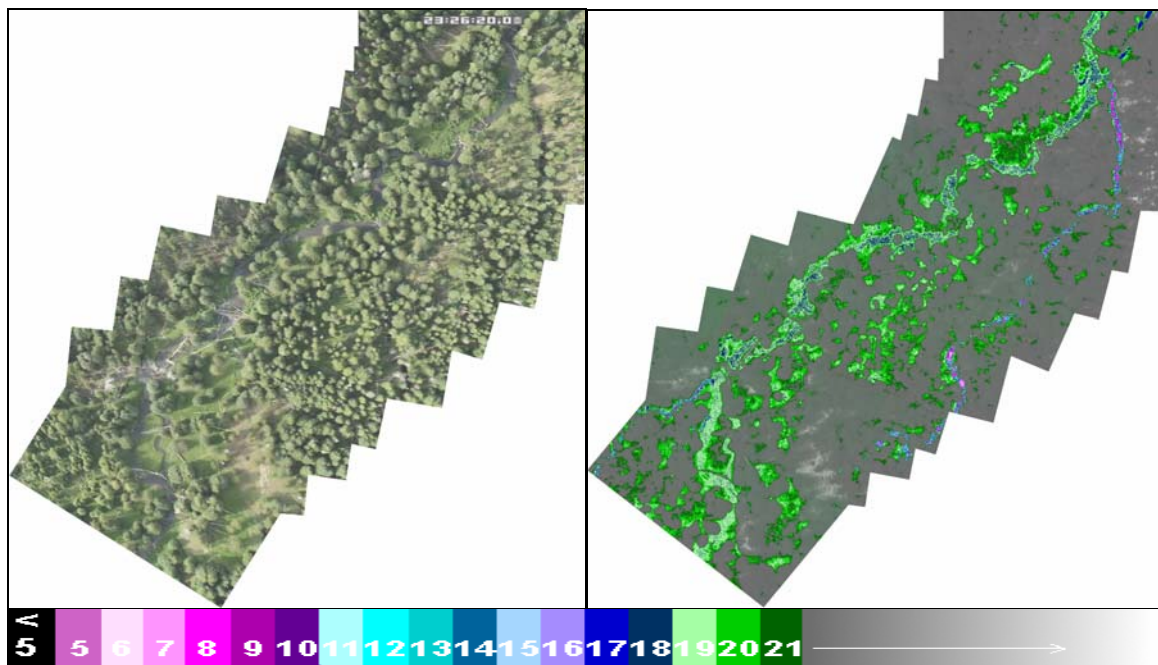


Frames: Fc0851-0853 – TIR image mosaic showing Fish Creek (8.2°C) and a spring (7.3°C) at river mile 15.5. Flow direction is from the top to bottom of the image.

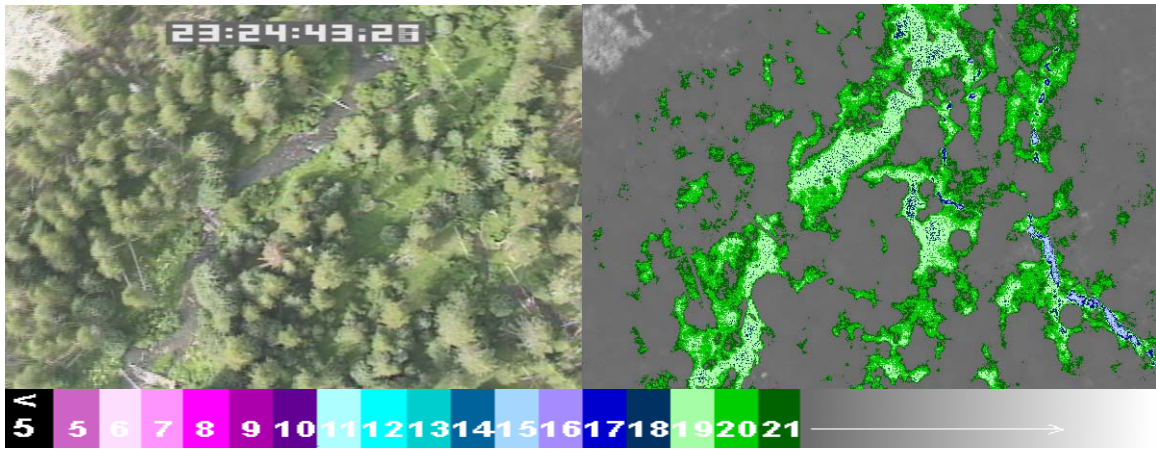
Lake Creek



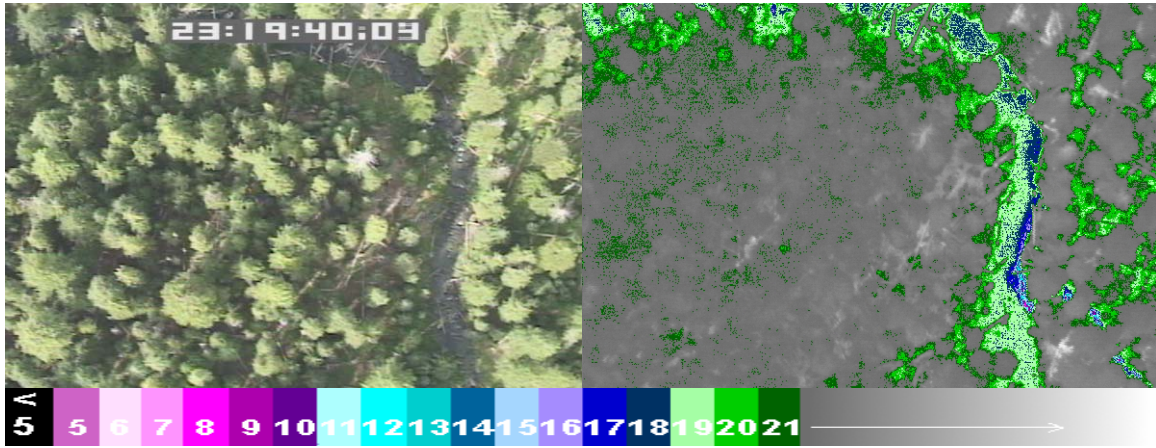
Frame: Lak0642 –Image pair showing an apparent Spring inflow (9.0°C) to Lake Creek (19.0°C) at river mile 0.9. Flow direction is from right to left in the image.



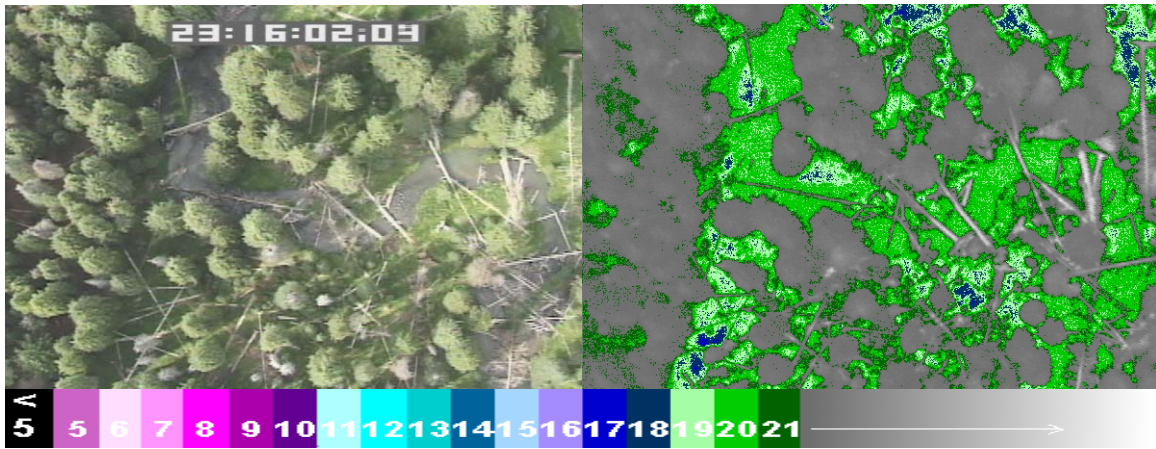
Frames: Lak0513-0522 – Confluence of Lake Creek (19.0°C) and an apparent spring inflow (8.2°C) at river mile 3.2. Flow direction is from the bottom to top of the image.



Frame: Lak0474 – Confluence of Lake Creek (19.3°C) and Thielsen Creek (15.7°C) at river mile 4.1. Flow direction is from the bottom to top of the image. Thielsen Creek flows from right to left in the image fans out prior to entering Lake Creek.

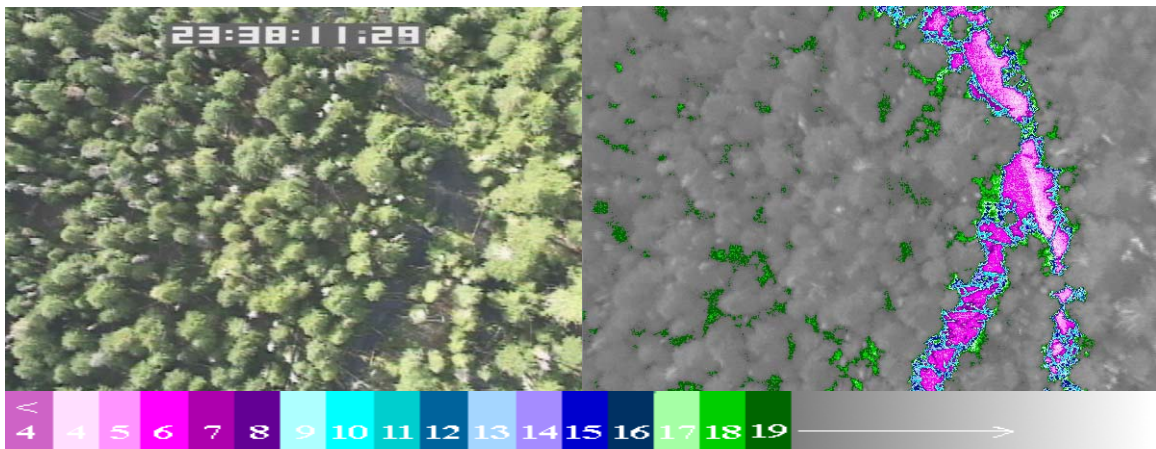


Frame: Lak0322 – Image pair showing the confluence of Lake Creek (19.3°C) and Sheep Creek (10.8°C) at river mile 6.6. Flow direction is from the bottom to top of the image.

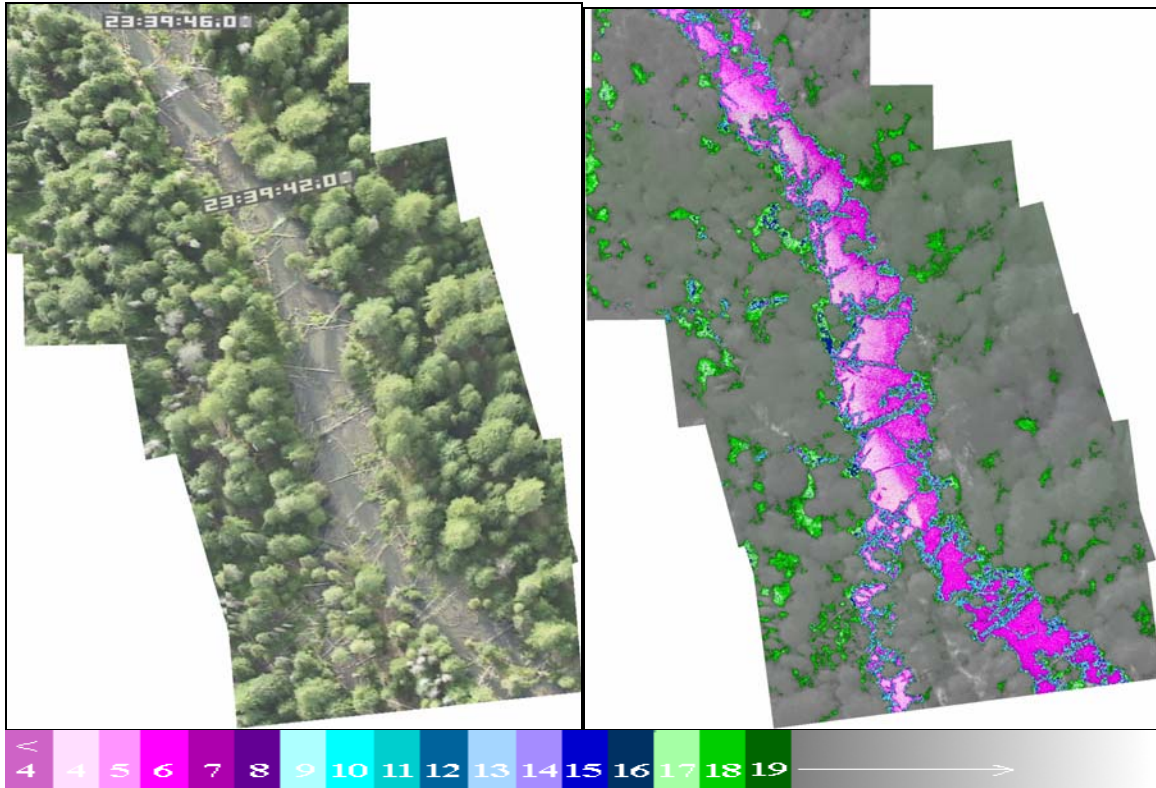


Frame: Lak0213 – Lake Creek (20.2°C) at river mile 8.3. The image is a typical TIR image for Lake Creek. Flow direction is from the top to bottom of the image.

Clearwater River (7/10/01)



Frame: clrb0136 – Image pair showing the confluence of the Clearwater River (6.2°C) and Lava Creek (4.7°C) at river mile 10.1. The flow direction is from the bottom to top of the image.

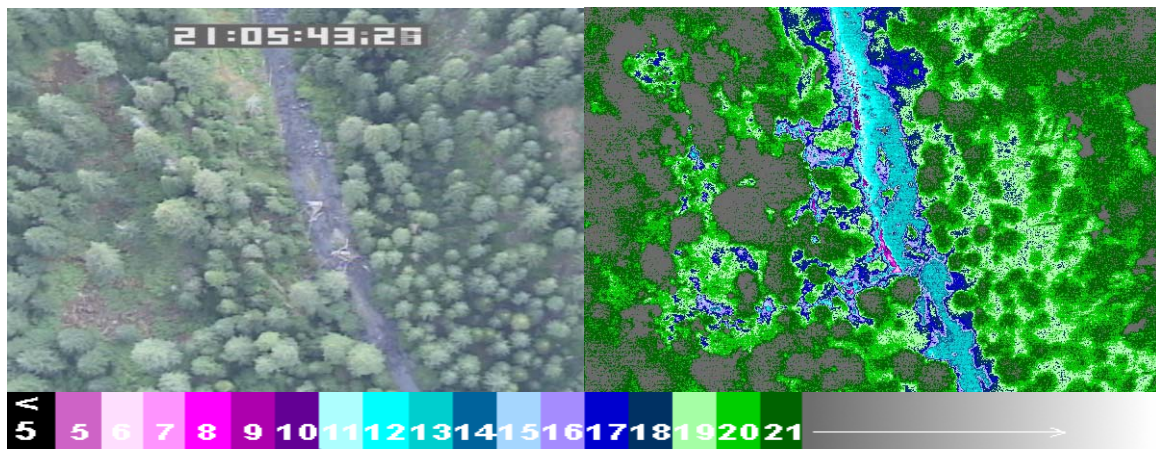


Frames: clrb0178–0183 – Image mosaic showing the confluence of the Clearwater River and an unnamed tributary at river mile . Flow direction is from the bottom to top of the image.

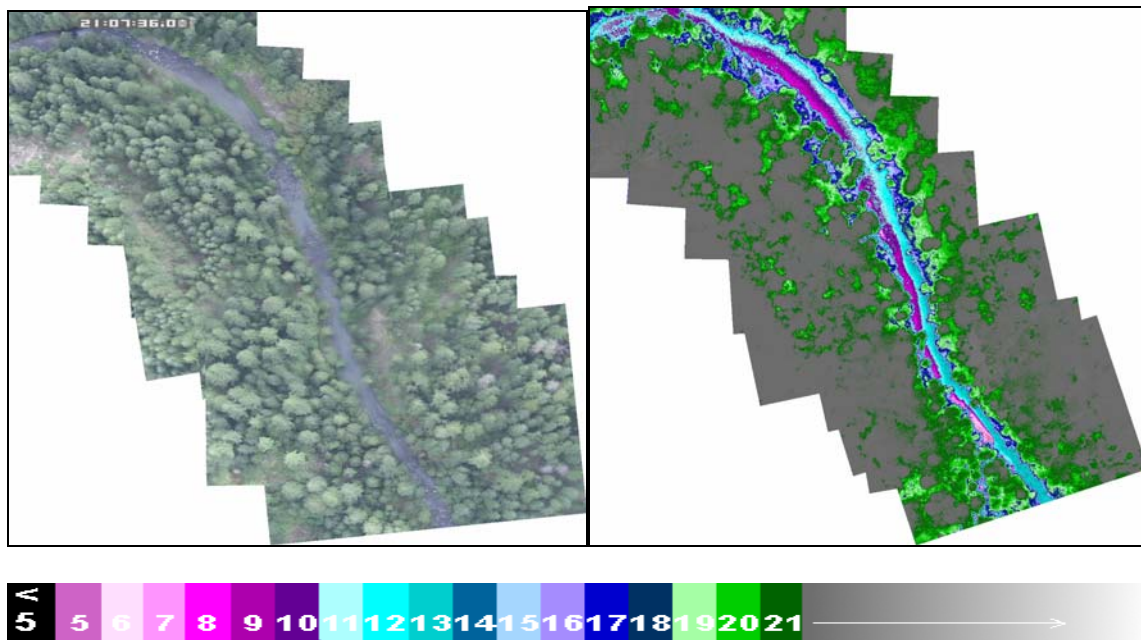


Frame: clrb0476 - Clearwater River (9.4°C) at river mile 2.3. A drop in water temperature through this reach that is not associated with a tributary. Flow direction is from the bottom to top of the image.

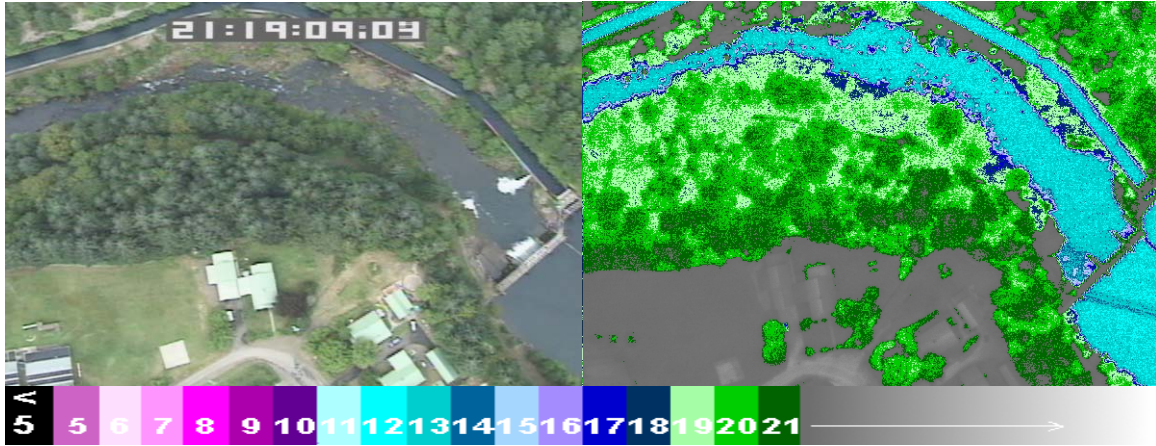
North Umpqua River (7/10/01 A)



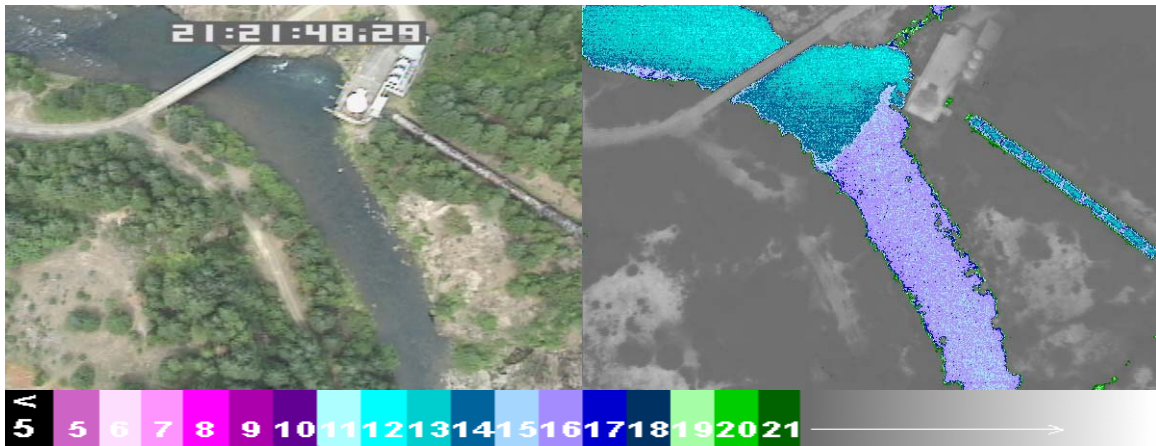
Frame: njum0416 – Image pair showing an apparent spring inflow at river mile 80.3 on the N. Umpqua River. Flow direction is from the bottom to top of the river.



Frames: njum0464-0472 – Image mosaic showing the confluence of the N. Umpqua River (13.3°C) and Loafer Creek (6.6°C) at river mile 79.3. Loafer Creek as a cooling influence on the N. Umpqua River. Flow direction is from the bottom to top of the image.

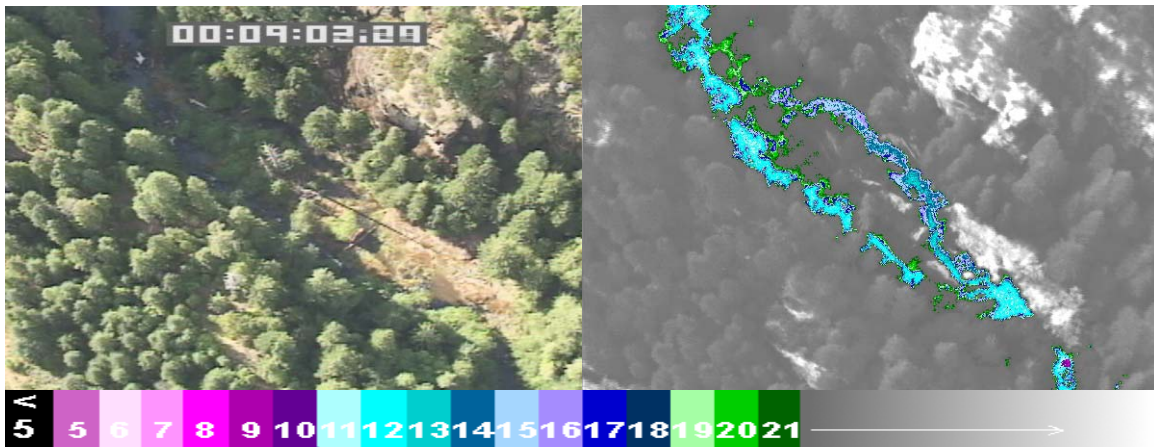


Frame: njum0790 - Slide Creek Dam on the N. Umpqua River at river mile 72.3. The outlets into the N. Umpqua River on either side downstream of the dam did not show a discernable temperature difference on the FLIR image. Flow direction is from the bottom to top of the image.

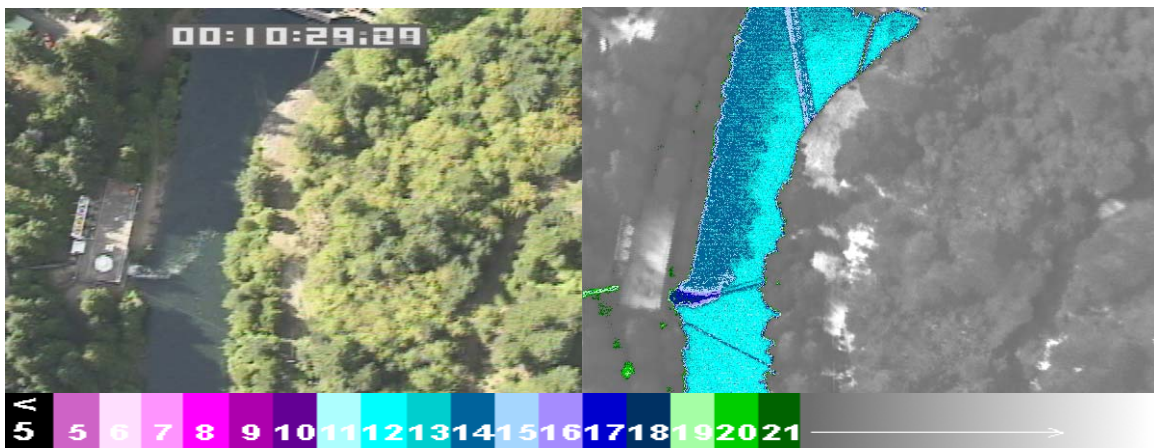


Frame: njum0870 – Image pair of the N. Umpqua River showing the East end of the Soda Spring Reservoir. Flow direction is from the bottom to the top of the image.

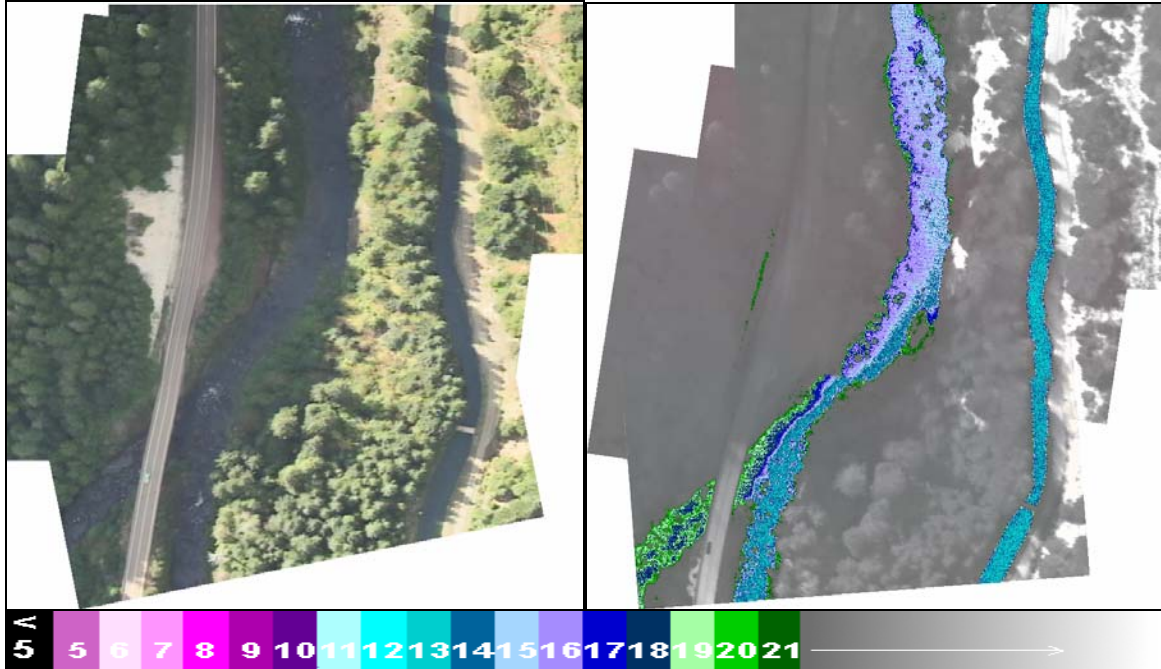
North Umpqua River (7/10/01 B)



Frame: nfb0042 - N. Umpqua River at river mile 73.5 showing a warmer side channel along the right bank. Flow direction is from the bottom to top of the image.



Frame: nfb0085 - N. Umpqua River (12.7°C) and the Fish Creek Power Plant outlet (18.7°C) at river mile 72.4. Flow direction is from the bottom to top of the image.



Frames: nfb0145-0148 - The confluence of the N. Umpqua River (16.1°C) and Fish Creek (18.8°C). The flow direction is from the bottom to the top of the image.

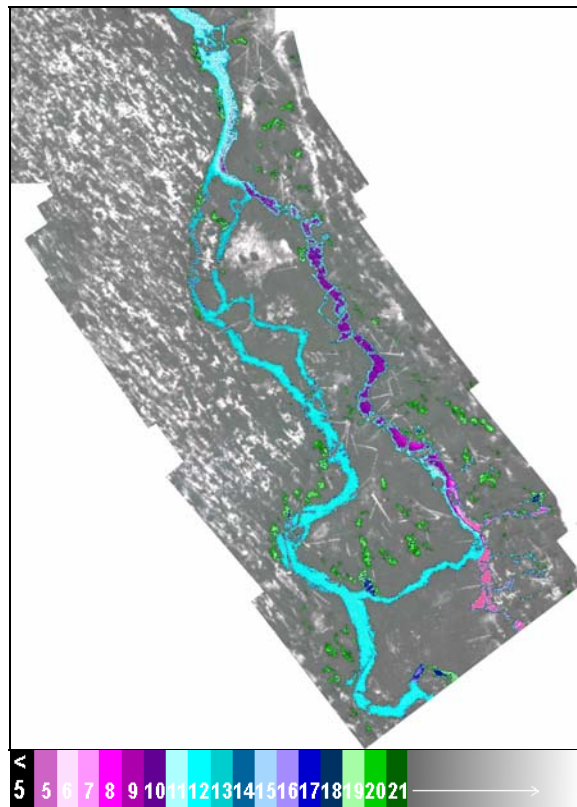


Frame: nfb0164 - N. Umpqua River at the Slide Creek Power Plant at river mile 70.32. The outflow of the power plant lowers the water temperature of the N. Umpqua River. The flow direction is from the bottom to the top of the image.

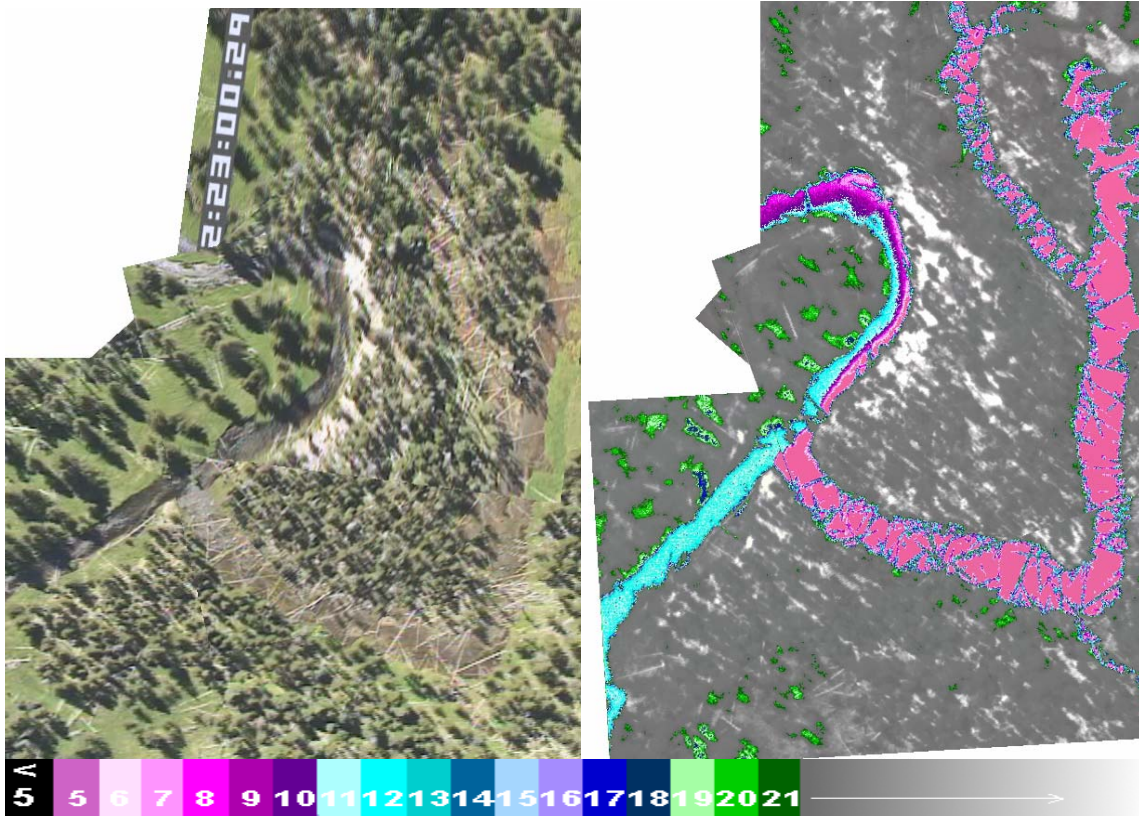


Frame: nfb0845 - The confluence of the N. Umpqua River (15.4°C) and Steamboat Creek (19.6°C at river mile 52.4. Flow direction is from the bottom to top of the image. Steamboat Creek flows in from the right side of the image under the bridge.

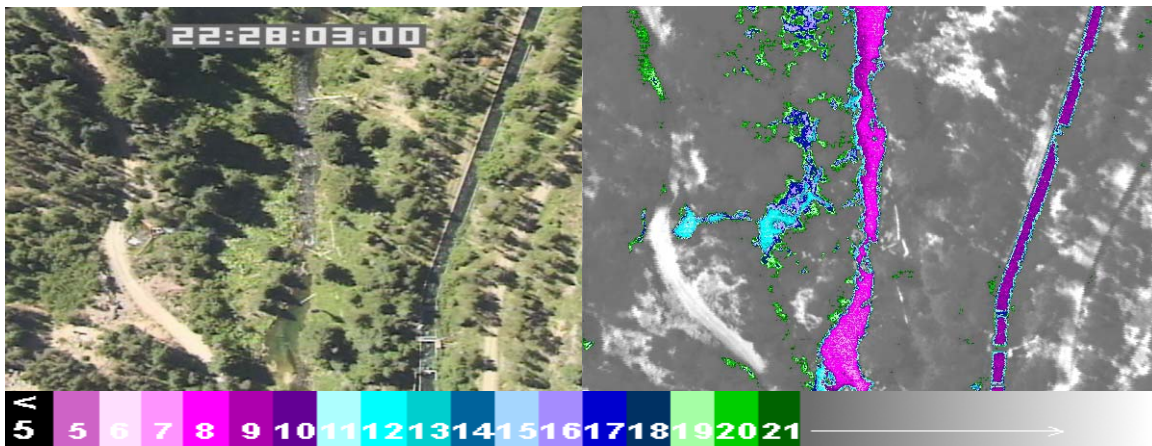
North Umpqua River (7/9/01)



Frames: nfu0123–0135 – TIR Image mosaic showing the Spring Complex upstream of Lemolo Lake. Flow direction is from the bottom to top of the image.



Frames: nfu0173–0176 – Visible band and TIR image mosaics showing Crystal Springs upstream of Lemolo Lake. Flow direction is from the bottom to top of the image.



Frame: nfu0327 - Image pair showing the N. Umpqua River (8.3°C) at river mile 91.7. A cold area, which appears to be surface water, was detected near the road along the LB. However, it is uncertain if there is connectivity with the mainstream. Flow direction is from the bottom to top of the image.



Frame: nfu0619 - Image pair showing the confluence of the N. Umpqua River (15.6°C) and Dorothy Creek (11.6°C).