

## **KITTITAS COUNTY DEPARTMENT OF PUBLIC WORKS**

---

Kirk Holmes, Director

**TO:** Neil Caulkins, DPA  
**FROM:** Douglas D'Hondt, County Engineer, Public Works  
**DATE:** February 17, 2011  
**SUBJECT:** Norwood Flood Claim

---

The site is not considered part of the FEMA designated 100-year floodplain. The property was flooded as a result of a levee breach. It is not clear what the levee failure mode was. The levee may have been overtopped causing erosion from the top down. The levee may have been eroded from the toe within the river. Seepage may have allowed erosion from the landward side resulting in a progressive failure leading to the river. Evidence of levee armoring found downstream indicates the failure was likely due to erosion from the river side.

No record of a Kittitas County flood management system on the Teanaway River was found. The only known levees are found immediately upstream of SR 970 on the right bank and at the left bank located near the end of Quail Valley Road.

Kittitas County does not retain ownership of the levee and never has. Kittitas County worked with the US Army Corps of Engineers after the January 2009 flood event to reconstruct the levee for protection of Quail Valley and Lambert Roads.

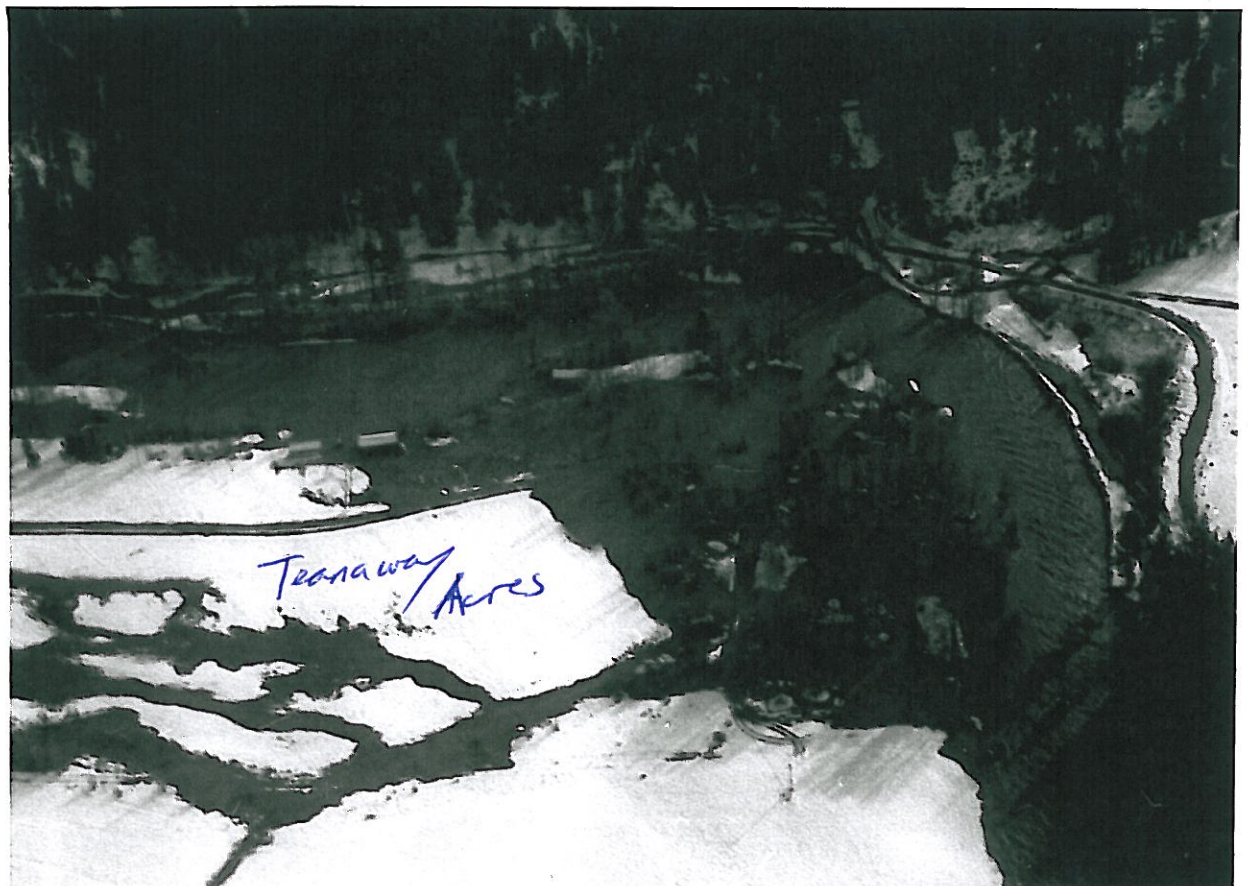
USACE planned to finish the levee reconstruction summer 2011. KCPW will not complete the construction until this claim is resolved.





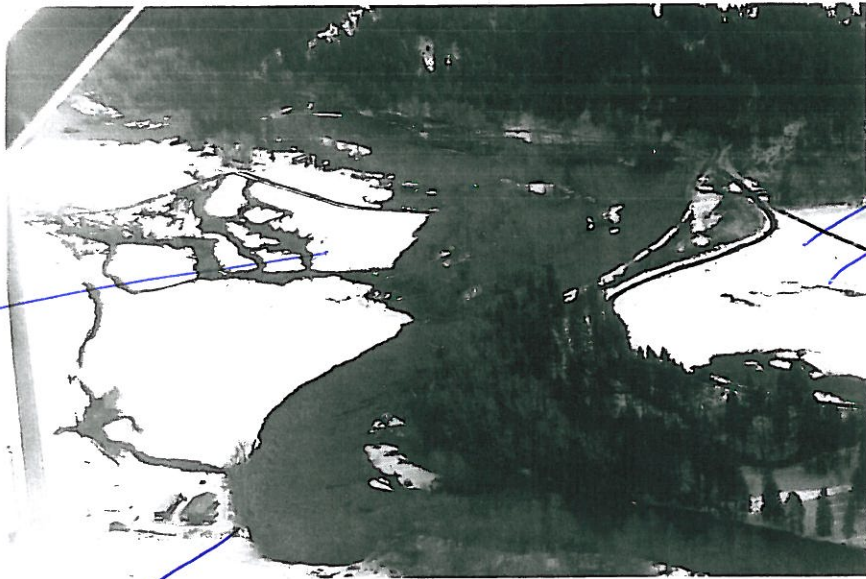


12/75



12/75

Teamway  
Acres



Allen

Larce  
Seepage

Magg's







12/04/75

pram rch

12/30



Normand  
Properties



01/05/84

Future Site of  
Quail Valley Rd

Calbbs

Lambert Rd

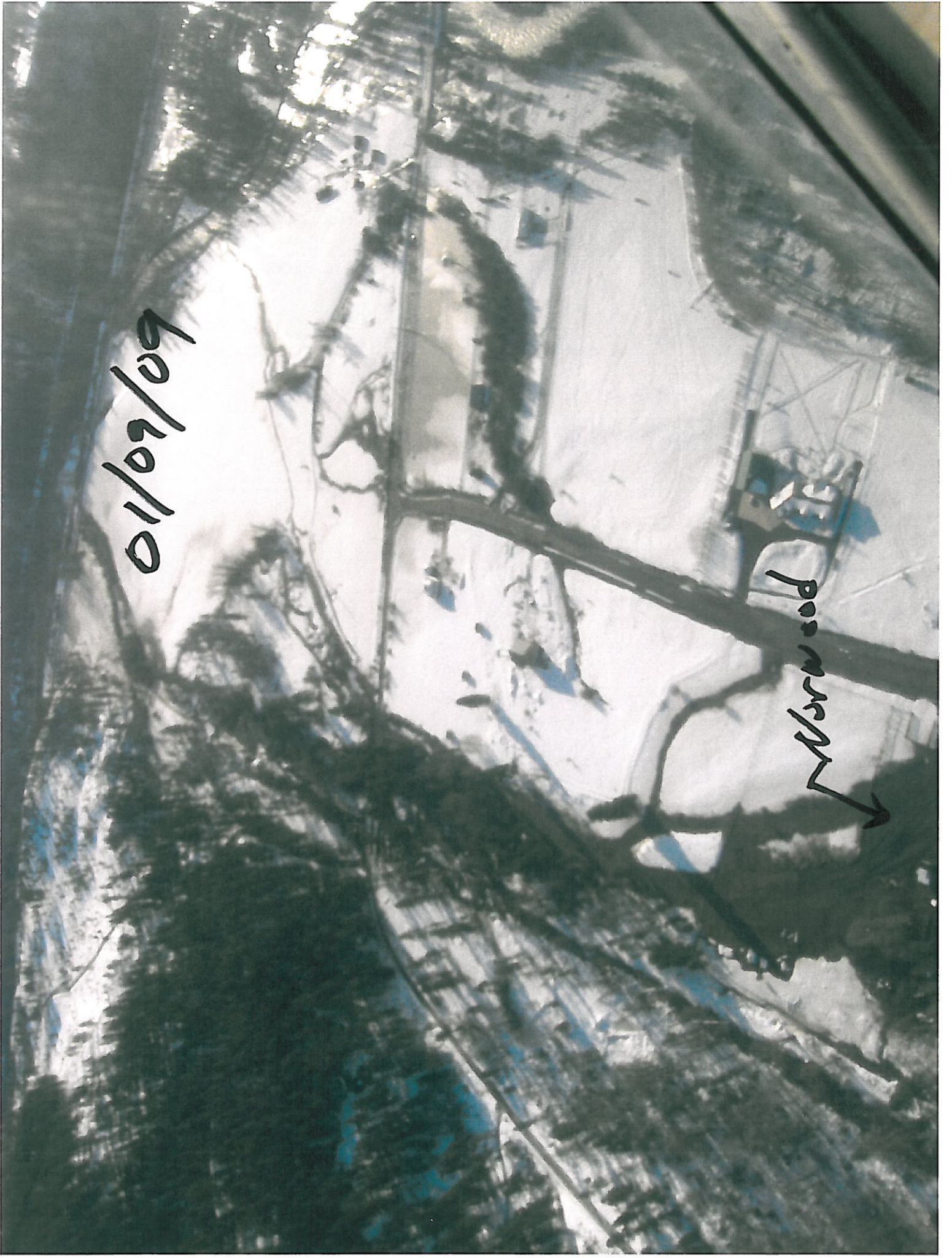
SR 107





01/09/09

→ Norwood





11/8/10  
Newwood

