

**Marin County Flood Control and Water Conservation District**

**Flood Control Zone 1 - Novato**

**Storm Damage: January 3-12, 2017**

Updated: 8/7/2017

LOCATION	DESCRIPTION OF DAMAGE AND SCOPE OF WORK	FACILITIES DAMAGED	COST ESTIMATE	REIMBURSEABLE?
Flood Zone 1 Novato - Lynwood Basin	Lynwood Pump Station: storm damage to Pump #3; pump removal and offsite refurbishment and eventual replacement required; temporary back-up pumps may be required.	One damaged electric pump motor	\$ 100,000	Yes; Applied for FEMA reimbursement
Flood Zone 1 Novato - Novato Creek	Heron's Beak Detention Pond/Novato Creek Levee: levee breach, temporary repair and erosion control measures required.	~25 feet of levee	\$ 10,000	Yes; Applied for FEMA reimbursement
Flood Zone 1 Novato - Simmons Slough	Simmons Slough Pump damaged by storms: temporary - rental of 3 bypass pumps required, including diesel fuel and servicing.	1 damaged diesel pump motor; 3 rental pumps	\$ 163,150	Yes; Applied for FEMA reimbursement
Flood Zone 1 Novato - Simmons Slough	Simmons Slough Pump damaged beyond repair: permanent replacement required. Pump prevents several major roadways from flooding.	1 damaged diesel pump motor	\$ 300,000	Yes; Applied for FEMA reimbursement
Flood Zone 1 Novato - Novato Creek	Damage to multiple detention and flood control earthen levees: severe erosion to levee crown and gravel-surfaced access road.	971 linear feet damaged of 11,077 linear feet total	\$ 50,000	Yes; Applied for FEMA reimbursement
Flood Zone 1 Novato - Novato Creek	Lynwood flood detention and wildlife Pond/Heron's Beak detention pond levee damage: temporary stabilization of severe erosion of side slopes using rip rap.	~1,078 linear feet damaged of 3,790 linear feet total	\$ 480,000	Yes; Applied for FEMA reimbursement
Flood Zone 1 Novato - Novato Creek	Heron's Beak detention pond/Novato Creek levee damage: temporary stabilization of severe erosion of side slopes using rip rap.	~1,031 linear feet damaged of 4,331 linear feet total	\$ 385,000	Yes; Applied for FEMA reimbursement
Flood Zone 1 Novato - Novato Creek	Lynwood flood detention and wildlife pond/Duck Bill detention pond levee damage: temporary stabilization of severe erosion of side slopes rip rap.	~112 linear feet damaged of 2,041 linear feet total	\$ 200,000	Yes; Applied for FEMA reimbursement
Flood Zone 1 Novato - Novato Creek	Center portion of Lynwood Levee (between Duck Bill and Heron's Beak detention ponds).	~13 linear feet damaged of 915 linear feet total	\$ 7,500	No; Not FEMA-eligible
<b>Total</b>			<b>\$ 1,695,650</b>	

**NOTE:** Cost estimates are subject to change as assessment of damages is updated. The District continues to assess extent of damages and potential repairs. Additional work to understand storm damages and condition of levees will continue via the \$400K Local Levee Assistance Program grant the District received from California Department of Water Resources. The District takes every opportunity to apply for reimbursement from FEMA, but there is no guarantee that any reimbursements will be made.