

**Table B.6
Drainage Basin Risk Levels**

UDFCD Basins Within the City of Aurora	Failure risk level (A, B, C, or D)	Approx. number of sub-basins	Describe known deficiencies and problem areas.
Antelope Creek		5	As development occurs in this basin the creek will need to be stabilized in accordance with the Piney Creek MDP. There may be a regional detention pond around E-470.
Bear Gulch		24	Outside of current maintenance program
Box Elder Creek (Upper)		29	UDFCD's master plan shows the use of levees to control spill, Outside of current maintenance program
Cardboard Gulch		0	Outside of current maintenance program
Cherry Creek	D	35	Creek is in transition between aggradation and degradation. Aurora's responsibility for its grade control structures are needed. I think this may already be underway. Multi-jurisdictional responsibilities. <u>Recent problems, risk to supply line form Rampart.</u>
Coal Creek	C	36	Relatively stable at the moment. Several existing road crossings are undersized for future conditions. <u>Undergoing current MDP.</u>
Corner Drainage		0	Outside of current maintenance program
Coyote Run		23	Outside of current maintenance program
Crooked Run		13	Outside of current maintenance program
East Toll Gate Creek	C	50	Some reaches are heavily incised around the Centre Hills Golf Course. The Airport Boulevard crossing is believed to overtop in a major event. Aggradation has occurred upstream from its confluence with West Toll Gate Creek. This potentially will cause adjacent development to be flooded during a major event. <u>Undergoing current MDP.</u>
First Creek	B	61	Existing conditions flow is too high for existing crossings at I-70 and downstream from there. Also, the City is not in compliance with its IGA with Denver for flow rates into Denver. Aurora Water is currently working on acquiring property for regional detention pond(s) upstream of I-70 to improve this situation. Will need to look at the MDP to see if there are any issues with First Creek's tributaries (i.e., Tributary T, etc.). Current CIP project to address D/S flow limits to Denver.
First Creek Tributary T	C	35	See First Creek's comments. Current CIP project to address D/S flow limits to Denver.
Granby Ditch	D	10	Recent project per MDP increased LOS to 100-yr, hundreds of properties removed from Floodplain.
Grizzly Run		0	Outside of current maintenance program
Henry David Draw		3	Outside of current maintenance program
Irondale Gulch		12	Need to complete the Bolling Drive Tributary channel construction from just upstream of 38th Avenue to the Majestic Commercenter's detention pond IG B. Currently Pond IG B is functioning as a retention pond. It needs to be connected to the Bolling Drive Tributary. Outside of City Jurisdiction - Denver.
Llama Draw		0	Outside of current maintenance program
Meadowood Drain	C	16	Maintenance related, debris/sediment loading.
Montbello Drainage		6	Outside of City Jurisdiction - Denver.
Murphy Creek	C	40	Risk to City golf course and development.
Mutchie Creek		8	Outside of current maintenance program
Newcomb Gulch		4	Outside of current maintenance program
No Name Creek	B	15	The Flanders Street crossing just north of Hampden Avenue needs to be stabilized. Currently, bank erosion is currently taking place, especially with larger storm events. Maintenance related, debris/sediment loading.
Patton Creek		8	Outside of current maintenance program
Piney Creek	B	22	Maintenance related, debris/sediment loading. Project in progress.
Prairie Dog Draw		29	Outside of current maintenance program
Rat Run		0	Outside of current maintenance program
Sable Ditch	D	10	Recent projects per MDP increased LOS to 100-yr. Hundreds of properties removed from Floodplain.
Saddle Rock Ranches	D	10	As the Rockinghorse development builds out the gulch will require channel stabilization measures. Low level of maintenance required to this point.
Sampson Gulch	C	9	As development occurs this gulch will require stabilization and a regional detention pond. Moderate level of maintenance required to this point.
Sand Creek	C	76	On-going maintenance for sediment loading. Risk to Sand Creek discharge.
Second Creek		37	As this basin develops the recommendations in the MDP need to be implemented. Outside of current maintenance program
Senac Creek	C	39	Moderate level of maintenance required to this point. Risk to Binney discharge.
Third Creek		4	Outside of current maintenance program
Toll Gate Creek	C	20	On-going maintenance for sediment loading.
West Fork Second Creek		5	Outside of current maintenance program
West Sand Creek		2	Outside of current maintenance program
West Toll Gate Creek	C	60	On-going maintenance for sediment loading.
Westerly Creek	B, D	59	Higher risk 2010 MDP - current project to remove 48 structures from the floodplain, still 50+ in floodplain. Highly visible - re-development in and around Lowry & Stapleton.
Windmill Creek	D	17	Low level of maintenance required to this point.