

TABLE 4
ALL HAZARDS SORTED BY ASCENDING 2012 SEIS LOCATION

2012 SEIS Location	Hazard ID#	Hazard Type	Hazard Index Number (HIN)	Geologic Hazard Rating System	2012 SEIS Location South Margin	2012 SEIS Location North Margin	Photo #	Bounds	Impact Alignment	Frequency (yrs)	Material Volume (CY)	Source Elevation (ft)	Alignment Exposure (ft)	Predictability	Source Material	Centerline Slope	Clast Size (ft)	Alignment Location	Slope Angle (degrees)	Slope Drainage	Vegetation	Tension Cracks	Seeps	Tilting Trees	Curving Trunks	Deciduous Trees
1495	DF01	debris_flow	225	A	1492+00	1498+00	4098, 4099, 5146	-	yes	1-5	100-1000	>1000	500+	moderate	Qc	fan	1-2	deposition_zone	30-40	into_slide	denuded	other	no	no	no	yes
1514	DF02	debris_flow	129	A	1514+00	1514+70	1515, 2036, 5865	upalignment	yes	1-5	<10	2000-3000	50-200	moderate	Qc	fan	0-1	deposition_zone	40-50	into_slide	disturbed	no	no	no	no	yes
1517	DF03	debris_flow	183	A	1516+70	1517+70	3893, 5148, 5865, 6256	upalignment	yes	0-1	<10	2000-3000	50-200	moderate	Qc	fan	0-1	deposition_zone	40-50	into_slide	disturbed	no	no	no	no	yes
1522	RS01	rock_slide	219	A	1520+70	1524+00	4123, 4124, 4126, 5148, 5865	-	no	unk(>25?)	100-1000	>1000	200-500	unpredictable	Bxv	open_bedrock_slope	4+	deposition_zone	60+	unk	denuded	yes	no	no	no	no
1550	RF01	rockfall	147	C	1548+00	1553+00	4212, 4214, 5148	upalignment	no	1-5	<10	100-500	200-500	unpredictable	Bxv	open_soil_slope	3-4	below_deposition_zone	>60	unk	disturbed	no	yes	no	no	yes
1550	RF02	rockfall	111	C	1547+40	1552+70	3049, 5149	downalignment	no	5-25	<10	100-500	50-200	unpredictable	Bxv	open_soil_slope	0-1	below_deposition_zone	50-60	unk	disturbed	no	yes	no	no	yes
1586	RF03	rockfall	129	B	1584+70	1587+40	4259, 5873	mid	yes	5-25	<10	100-500	200-500	unpredictable	Bxv	single_channel	4+	deposition_zone	>60	unk	disturbed	no	no	no	no	yes
1609	RF04	rockfall	183	B	1606+20	1611+60	4245, 4246, 4247, 4249	downslope	yes	unk(5-25?)	<10	100-500	500+	unpredictable	Bxv	open_soil_slope	4+	deposition_zone	>60	unk	disturbed	no	no	no	no	yes
1670	DF04	debris_flow	117	B	1669+40	1671+10	3875	downalignment	yes	5-25	10-100	1000-2000	50-200	moderate	Qc	fan	0-1	deposition_zone	40-50	into_slide	disturbed	no	no	no	no	yes
1675	DF05	debris_flow	129	A	1674+20	1675+40	6203, 6204	upalignment	yes	1-5	10-100	1000-2000	50-200	high	Qc	single_channel	0-1	deposition_zone	30-40	into_slide	denuded	no	no	no	no	no
1678	DF06	debris_flow	183	A	1677+60	1678+80	3876	downalignment	yes	0-1	10-100	2000-3000	50-200	high	Qc	fan	0-1	deposition_zone	40-50	into_slide	disturbed	no	no	no	no	yes
1704	DF07	debris_flow	153	A	1703+30	1704+40	4366, 5155	upalignment	yes	1-5	100-1000	>1000	50-200	moderate	Qc	multi_channel	1-2	deposition_zone	30-40	Into_slide	denuded	no	no	no	no	yes
1721	DF08	debris_flow	129	A	1720+30	1721+30	1126, 5156	upslope	yes	1-5	10-100	>1000	50-200	high	Qc	fan	1-2	deposition_zone	40-50	into_slide	denuded	no	no	no	no	yes
1731	RF06	rockfall	201	A	1730+20	1731+10	4674, 6206	mid	yes	0-1	<10	500-1000	50-200	unpredictable	Bxmg	open_bedrock_slope	3-4	deposition_zone	>60	unk	disturbed	no	no	no	no	yes
1734	DF09	debris_flow	153	A	1732+90	1734+90	3307	upslope	yes	unk(1-5?)	10-100	>1000	50-200	low	Qc	single_channel	1-2	path	40-50	into_slide	disturbed	no	no	no	no	yes
1738	RF07	rockfall	279	A	1725+20	1740+20	4674	upslope	yes	0-1	10-100	500-1000	>1000	unpredictable	Bxmg	open_bedrock_slope	4+	deposition_zone	>60	into_slide	disturbed	no	no	no	no	yes
1743	DF10	debris_flow	129	A	1742+80	1743+90	4745 to 4748	mid	yes	1-5	10-100	>1000	50-200	high	Qc	multi_channel	0-1	path	40-50	into_slide	denuded	no	no	no	no	no
1748	DF11	debris_flow	129	A	1747+40	1748+50	4741, 4742, 5157	downalignment	yes	1-5	10-100	>1000	50-200	high	Qc	fan	2-3	deposition_zone	40-50	into_slide	denuded	no	no	no	no	yes
1752	DF12	debris_flow	111	A	1752+00	1752+90	4738, 4739, 5157	mid	yes	5-25	10-100	>1000	50-200	high	Qc	fan	2-3	deposition_zone	40-50	into_slide	disturbed	no	no	no	no	yes
1757	DF13	debris_flow	129	A	1757+00	1757+90	4736, 4737, 5157	downalignment	yes	1-5	10-100	>1000	50-200	high	Qc	fan	2-3	deposition_zone	40-50	into_slide	denuded	no	no	no	no	yes
1763	RF08	rockfall	183	A	1760+10	1767+60	5039, 5040, 5041, 5157, 6209	upalignment	yes	5-25	<10	100-500	500+	unpredictable	Bxmg	open_soil_slope	4+	deposition_zone	>60	unk	disturbed	no	no	no	no	no
1764	RF09	rockfall	129	A	1764+10	1764+70	3878	upalignment	yes	1-5	<10	100-500	50-200	unpredictable	Bxmg	open_soil_slope	2-3	deposition_zone	>60	unk	disturbed	no	no	no	no	yes
1773	DF14	debris_flow	111	A	1772+40	1773+20	2093, 4714	downalignment	yes	25+	10-100	>1000	50-200	moderate	Qc	single_channel	2-3	path	30-40	into_slide	disturbed	no	no	no	no	no
1784	DF15	debris_flow	189	B	1783+80	1784+50	3912	-	yes	5-25	1000+	>1000	50-200	moderate	Qc	multi_channel	2-3	path	40-50	into_slide	disturbed	no	no	no	no	yes
1786	DF16	debris_flow	207	A	1785+00	1786+30	1141, 2091, 5158	upalignment	yes	1-5	1000+	>1000	50-200	moderate	Qc	multi_channel	2-3	path	40-50	into_slide	disturbed	no	no	no	no	yes
1826	DF17	debris_flow	129	B	1825+60	1827+00	1186, 4012, 4015, 5159, 6232	upalignment	yes	25+	10-100	2000-3000	50-200	low	Qc	fan	1-2	deposition_zone	40-50	into_slide	disturbed	no	no	no	no	yes
1828	DF18	debris_flow	129	A	1827+00	1829+00	1186, 4012, 4015, 5159, 6232	upalignment	yes	1-5	10-100	2000-3000	50-200	high	Qc	fan	0-1	deposition_zone	40-50	into_slide	disturbed	no	no	no	no	yes
1850	DF19	debris_flow	153	A	1847+80	1851+50	4809, 4812, 4830, 5160	upalignment	yes	5-25	10-100	3000+	200-500	low	Qc	fan	0-1	deposition_zone	40-50	into_slide	denuded	no	no	no	no	yes
1854	DF20	debris_flow	135	B	1854+00	1854+70	1210, 5160	downalignment	yes	5-25	10-100	3000+	50-200	low	Qc	fan	0-1	deposition_zone	40-50	into_slide	denuded	no	no	no	no	yes
1857	RF10	rockfall	111	C	1856+00	1857+00	4816	downslope	no	unk(5-25?)	<10	100-500	50-200	unpredictable	Bxms	other	2-3	below_deposition_zone	50-60	unk	disturbed	no	no	no	no	yes
1895	DF21	debris_flow	123	B	1894+40	1895+60	5161, 6238	downalignment	yes	1-5	<10	2000-3000	50-200	high	Qc	single_channel	0-1	path	30-40	into_slide	disturbed	no	no	no	no	yes
1917	RF12	rockfall	105	C	1916+10	1917+30	5162	downslope	no	unk(>25?)	<10	100-500	50-200	unpredictable	Bxmg	-	4+	below_deposition_zone	>60	unk	disturbed	no	no	no	no	yes
1932	RF13	rockfall	111	C	1931+00	1932+00	5162	downslope	no	0-1	<10	100-500	50-200	moderate	Bxmg	-	1-2	below_deposition_zone	>60	unk	disturbed	no	no	no	no	yes
1943	RF14	rockfall	183	A	1933+30	1953+00	5163, 5909 to 5911	downslope	yes	unk(5-25?)	<10	100-500	>1000	unpredictable	Bxmg	-	2-3	below_deposition_zone	50-60	unk	disturbed	no	no	no	no	no
1947	RF15	rockfall	129	A	1946+60	1948+90	5163	-	yes	5-25	<10	100-500	200-500	unpredictable	Bxmg	other	4+	deposition_zone	>60	off_slide	disturbed	no	yes	no	no	yes
1984	DF22	debris_flow	129	A	1983+50	1985+00	5047, 5164, 5914	mid	yes	1-5	10-100	2000-3000	50-200	high	Qc	fan	1-2	deposition_zone	40-50	into_slide	disturbed	no	no	no	no	no
2014	RF16	rockfall	129	B	2013+00	2015+70	5052, 5053, 6240	upalignment	yes	unk(5-25?)	<10	100-500	200-500	unpredictable	Bxms	deciduous_trees	3-4	below_deposition_zone	40-50	unk	disturbed	no	no	no	no	yes
2040	DF23	debris_flow	117	A	2039+70	2041+20	5057, 5166	upalignment	yes	5-25	10-100	3000+	50-200	moderate	Qc	multi_channel	1-2	path	40-50	into_slide	disturbed	no	no	no	no	yes
2054	DF24	debris_flow	129	B	2053+00	2054+10	2054, 2239, 3462, 3463, 5093, 6195	upalignment	yes	1-5	10-100	3000+	50-200	high	Qc	multi_channel	1-2	deposition_zone	40-50	into_slide	disturbed	no	no	no	no	yes
2056	DF25	debris_flow	111	B	2056+00	2057+00	3462, 3463, 5093, 6195	upalignment	yes	5-25	<10	3000+	50-200	moderate	Qc	fan	0-1	deposition_zone	>60	into_slide	disturbed	no	no	no	no	no
2059	DF26	debris_flow	129	B	2058+80	2059+60	2241, 3470, 6195	upalignment	yes	1-5	10-100	3000+	50-200	high	Qc	fan	0-1	deposition_zone	50-60	-	disturbed	no	no	no	no	yes
2087	DF27	debris_flow	129	B	2087+30	2088+00	3885, 5167, 5924, 6247	upalignment	yes	5-25	<10	2000-3000	50-200	low	Qc	open_soil_slope	0-1	deposition_zone	30-40	into_slide	disturbed	no	no	no	no	yes
2102	DF28	debris_flow	183	A	2101+40	2102+30	3886, 5916	downalignment	yes	0-1	10-100	3000+	50-200	high	Qc	fan	3-4	deposition_zone	50-60	into_slide	denuded	no	no	no	no	yes
2115	DF29	debris_flow	153	A	2114+10	2116+60	5125, 5926, 6248	upalignment	yes	1-5	10-100	3000+	200-500	moderate	Qc	fan	1-2	deposition_zone	>60	into_slide	denuded	no	no	no	no	yes
2122	DF30	debris_flow	135	B	2122+00	2123+00	5168, 5927, 6250	downalignment	yes	5-25	10-100	1000-2000	50-200	low	Qc	single_channel	0-1	deposition_zone	30-40	into_slide	disturbed	no	no	no	no	yes
2128	RF17	rockfall	201	A	2128+00	2128+60	5928, 6251	upalignment	yes	1-5	<10	1000-2000	50-200	unpredictable	Bxmg	open_soil_slope	3-4	path	50-60	unk	disturbed	no	no	no	no	yes
2128	SR02	soil_raveling	171	B	2128+30	2128+70	3889, 5168	upalignment	yes	0-1	<10	<100	<50	unpredictable	Qc	single_channel	0-1	deposition_zone	30-40	into_slide	disturbed	no	no	yes	yes	yes
2140	DF31	debris_flow	111	A	2139+80	2141+10	5168, 5169, 5929, 5930	downalignment	yes	5-25	10-100	3000+	50-200	high	Qc	multi_channel	1-2	deposition_zone	50-60	into_slide	denuded	no	no	no	no	yes
2144	RF19	rockfall	273	A	2141+80	2149+60	1357, 3491, 3493, 3495, 3498, 5130, 5168	mid	yes	1-5	<10	3000+	500+	unpredictable	Bxmg	fan	4+	deposition_zone	>60	unk	disturbed	no	no	no	no	yes
2145	RF20	rockfall	165	A	2143+60	2145+90	1357, 3491, 3493, 3495, 3498, 5130, 5131,	downslope	yes	1-5	<10	500-1000	200-500	unpredictable	Bxmg	fan	4+	deposition_zone	>60	unk	disturbed	no	no	no	no	yes
2154	RF21	rockfall	147	C	2153+20	2154+30	6014	-	no	1-5	<10	500-1000	50-200	unpredictable	Bxmg	-	2-3	below_deposition_zone	40-50	unk	disturbed	no	no	no	no	yes
2205	LS01	landslide	255	C	2202+00	2208+00	5171	-	no	unk(>25?)	10-100	1000-2000	>500	unpredictable	Bxmg	-	-	below_deposition_zone	40-50	unk	disturbed					

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2012 SEIS Location	Hazard ID#	Hazard Type	Hazard Index Number (HIN)	Geologic Hazard Rating System	2012 SEIS Location South Margin	2012 SEIS Location North Margin	Photo #	Bounds	Impact Alignment	Frequency (yrs)	Material Volume (CY)	Source Elevation (ft)	Alignment Exposure (ft)	Predictability	Source Material	Centerline Slope	Clast Size (ft)	Alignment Location	Slope Angle (degrees)	Slope Drainage	Vegetation	Tension Cracks	Seeps	Tilting Trees	Curving Trunks	Deciduous Trees
2494	RF40	rockfall	147	B	2491+60	2496+20	5182, 5964, 6085,	downslope	yes	1-5	<10	100-500	200-500	unpredictable	Bxmg	-	3-4	deposition_zone	>60	unk	disturbed	no	no	no	no	no
2498	DF42	debris_flow	117	B	2498+10	2498+90	6086	downslope	yes	5-25	10-100	>1000	50-200	moderate	Qc	single_channel	1-2	path	40-50	into_slide	disturbed	no	no	no	no	yes
2505	RF41	rockfall	93	C	2502+50	2507+20	5965, 6094, 6095	upalignment	yes	1-5	<10	500-1000	200-500	moderate	Bxmg	open_soil_slope	2-3	path	>60	into_slide	disturbed	no	no	no	no	yes
2507	RF42	rockfall	111	B	2502+50	2512+40	6094, 6095	downslope	yes	unk(5-25?)	<10	100-500	500+	moderate	Bxmg	deciduous_trees	0-1	path	40-50	unk	denuded	yes	no	no	no	yes
2525	HR03	hazard_rocks	105	C	2524+45	2525+10	5311, 5312	downslope	yes	unk(>25?)	<10	100-500	50-200	unpredictable	Qct	-	4+	below_deposition_zone	40-50	-	-	no	no	no	no	no
2533	HR04	hazard_rocks	105	C	2533+00	2533+70	5318	-	yes	unk(>25?)	<10	100-500	50-200	unpredictable	Qct	-	4+	below_deposition_zone	40-50	-	-	no	no	no	no	no
2536	RF43	rockfall	129	A	2535+20	2537+20	3648, 5969	downalignment	no	1-5	<10	100-500	50-200	unpredictable	Bxmg	open_soil_slope	2-3	below_deposition_zone	40-50	unk	disturbed	no	no	no	no	yes
2540	RF44	rockfall	147	B	2538+40	2540+70	1565, 5326, 5327	downslope	yes	1-5	<10	100-500	200-500	unpredictable	Bxmg	open_soil_slope	1-2	deposition_zone	>60	unk	disturbed	no	no	no	no	no
2544	RF45	rockfall	129	B	2543+00	2545+00	6098, 6099	downalignment	no	1-5	<10	100-500	50-200	unpredictable	Bxmg	-	1-2	below_deposition_zone	40-50	unk	-	no	no	no	no	no
2556	RF46	rockfall	111	B	2555+50	2557+10	5338, 5339	mid	no	5-25	<10	100-500	50-200	unpredictable	Bxmg	open_soil_slope	2-3	below_deposition_zone	>60	unk	disturbed	no	no	no	yes	yes
2561	RF47	rockfall	183	B	2558+50	2565+00	3660	downslope	no	5-25	<10	100-500	500+	unpredictable	Bxmg	open_soil_slope	2-3	below_deposition_zone	>60	unk	disturbed	no	no	no	no	yes
2562	LS06	landslide	183	C	2561+60	2562+80	5185, 5341, 5342	mid	no	unk(>25?)	10-100	>1000	50-200	unpredictable	-	open_soil_slope	-	below_deposition_zone	>60	unk	disturbed	no	no	no	no	no
2562	HR05	hazard_rocks	105	C	2562+20	2562+80	5362, 5363	-	yes	unk(>25?)	<10	100-500	50-200	unpredictable	Qct	open_soil_slope	4+	below_deposition_zone	-	-	-	no	no	no	no	no
2566	RF49	rockfall	201	C	2565+00	2571+00	3661, 3662, 3664	downslope	no	1-5	<10	100-500	500+	unpredictable	Bxmg	open_soil_slope	2-3	below_deposition_zone	>60	unk	disturbed	no	no	no	no	yes
2567	RF50	rockfall	129	B	2566+70	2567+30	3661, 3662, 3664	upalignment	no	1-5	<10	100-500	50-200	unpredictable	Bxmg	open_soil_slope	2-3	below_deposition_zone	>60	unk	disturbed	no	no	no	no	yes
2568	RF51	rockfall	201	B	2568+00	2569+20	3661, 3662, 3664	mid	no	1-5	<10	>1000	50-200	unpredictable	Bxmg	open_soil_slope	2-3	path	>60	unk	disturbed	no	no	no	no	yes
2571	LS07	landslide	183	C	2571+00	2572+00	5024	mid	no	unk(>25?)	10-100	>1000	50-200	unpredictable	Qct	open_soil_slope	-	below_deposition_zone	>60	unk	disturbed	no	no	no	no	no
2573	DF43	debris_flow	117	A	2572+50	2573+50	5356	downalignment	no	5-25	10-100	>1000	50-200	moderate	Qct	single_channel	1-2	below_deposition_zone	50-60	into_slide	denuded	no	no	no	no	yes
2574	RF52	rockfall	123	B	2573+80	2578+80	6105, 6106	downslope	yes	1-5	<10	100-500	500+	high	Bxmg	open_soil_slope	4+	path	>60	into_slide	disturbed	no	no	yes	no	yes
2575	RF53	rockfall	147	C	2572+90	2577+00	-	-	-	1-5	<10	100-500	200-500	unpredictable	Bxmg	open_soil_slope	2-3	below_deposition_zone	>60	-	disturbed	-	-	-	-	-
2629	RF54	rockfall	147	A	2627+40	2631+00	3683, 3684	downalignment	yes	25+	100-1000	100-500	200-500	unpredictable	Bxmg	fan	4+	deposition_zone	>60	unk	disturbed	no	no	no	no	yes