

## Western Desert Resources

### Mountain Creek Project EL 27143 Outcrop Station Structural Measurements

Station	Easting	Northing	Element	Structure	Dip	Dip Direction	Trend	Plunge	Comments
11MK100	481982	8333812	Planar	bedding	40	216			
11MK101	481985	8333788	Planar	bedding	72	160			
11MK102	482044	8333723	Planar	bedding	60	132			
11MK103	481934	8333694	Planar	bedding	84	44			
11MK105	481900	8333653	Planar	bedding	10	216			
11MK106	481881	8333653	Planar	bedding	15	228			
11MK107	481747	8333844	Planar	bedding	89	198			
11MK108	481734	8333831	Planar	bedding	45	198			
11MK109	481721	8333829	Planar	bedding	8	194			
11MK110	482354	8332923	Planar	bedding	86	84			
11MK111	482328	8332911	Planar	bedding	80	246			
11MK112	482325	8332870	Planar	bedding	80	54			
11MK113	482309	8332868	Planar	bedding	44	72			
11MK114	482304	8332864	Planar	bedding	80	74			
11MK115	482295	8332870	Planar	shear zone	80	68			Shear zone with highly fissile pink-brown colour 6-7m thick; internal tight fold
11MK116	482275	8332941	Planar	shear zone	83	70			
11MK118	482288	8332885	Planar	bedding	78	254			
11MK119	482276	8332883	Planar	shear zone	32	76			
11MK120	482260	8332874	Planar	bedding	15	256			
11MK121	482209	8332853	Planar	bedding	10	242			
11MK122	482320	8332811	Planar	shear zone	80	59			
11MK123	482338	8332752	Planar	shear zone	58	59			
11MK124	482382	8332722	Planar	bedding	88	50			
11MK125	482312	8332753	Planar	shear zone	85	246			Anastomosing major shear zone on track; >10m wide
11MK127	482291	8332751	Planar	bedding	40	250			
11MK128	482288	8332742	Planar	bedding	20	244			
11MK129	482991	8331509	Planar	bedding	20	218			
11MK130	482979	8331496	Planar	bedding	25	218			
11MK131	482973	8331464	Planar	bedding	65	222			
11MK131	482973	8331464	Planar	bedding	85	244			
11MK132	482958	8331450	Planar	bedding	35	212			
11MK133	482967	8331397	Planar	bedding	25	229			
11MK134	482965	8331397	Planar	bedding	35	232			
11MK135	482959	8331393	Planar	bedding	65	67			
11MK136	482948	8331378	Planar	bedding	85	62			
11MK137	482945	8331375	Planar	shear zone	85	248			
11MK138	482936	8331377	Planar	bedding	75	246			
11MK139	482931	8331372	Planar	shear zone	85	250			
11MK140	482908	8331371	Planar	bedding	65	245			
11MK141	482895	8331370	Planar	bedding	26	216			
11MK143	482905	8331450	Planar	shear zone	55	244			
11MK143	482905	8331450	Linear	Fold 1 hinge line			326	10	fold hinge line (synclinal)
11MK144	482878	8331505	Planar	shear zone	75	250			
11MK145	482822	8331631	Planar	bedding	55	230			
11MK147	482732	8331915	Planar	bedding	50	234			
11MK148	482781	8331805	Planar	bedding	65	232			
11MK149	482771	8331786	Planar	shear zone	85	244			
11MK150	482757	8331786	Planar	bedding	70	240			
11MK151	482746	8331764	Planar	bedding	45	52			siltstone band
11MK152	482747	8331760	Linear	Fold 1 hinge line			322	20	fold hinge line
11MK153	482747	8331758	Planar	bedding	55	240			Same band at 11MK151 with opposite dip direction
11MK155	482866	8331530	Planar	bedding	75	258			
11MK156	482872	8331534	Planar	bedding	75	232			
11MK157	482876	8331537	Planar	bedding	50	50			
11MK158	482886	8331541	Planar	bedding	10	254			
11MK159	482875	8331553	Planar	bedding			0	0	fold hinge line in oolite
11MK160	482891	8331530	Linear	Fold 1 hinge line			140	5	fold hinge line in oolite
11MK161	482787	8331698	Planar	bedding	70	82			
11MK162	482784	8331697	Planar	bedding	60	258			
11MK163	482794	8331685	Linear	Fold 1 hinge line			341	12	fold hinge line in oolite
11MK164	482881	8331599	Planar	bedding	50	228			
11MK165	482892	8331597	Planar	bedding	38	242			

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					Dip	Direction			
11MK166	482935	8331602	Planar	bedding	30	228			
11MK168	483004	8331267	Planar	bedding	88	216			
11MK169	483010	8331269	Planar	bedding	65	220			
11MK170	483025	8331268	Planar	bedding	65	224			
11MK171	483023	8331274	Planar	bedding	60	224			
11MK172	483035	8331279	Planar	bedding	40	224			
11MK173	483022	8331312	Linear	Fold 1 hinge line			321	20	fold hinge line
11MK174	483022	8331312	Planar	bedding	40	258			
11MK175	483027	8331286	Linear	Fold 1 hinge line			134	12	fold hinge line
11MK179	482897	8331513	Linear	Fold 1 hinge line			328	12	fold hinge line (anticlinal)
11MK180	483160	8331131	Planar	Fold 1 hinge line	85	278			
11MK181	483167	8331125	Planar	bedding	85	232			
11MK182	483140	8331143	Planar	bedding	20	54			
11MK183	483141	8331144	Planar	bedding	45	222			
11MK184	483143	8331141	Linear	Fold 1 hinge line			148	10	fold hinge line
11MK186	483057	8331239	Planar	bedding	60	234			
11MK187	483070	8331224	Linear	Fold 1 hinge line			134	32	
11MK188	483066	8331233	Planar	bedding	55	104			
11MK189	483382	8330894	Planar	bedding	85	239			
11MK190	483460	8330784	Planar	bedding	56	214			
11MK191	483500	8330743	Planar	bedding	55	234			
11MK192	483510	8330749	Planar	bedding	56	246			
11MK193	483536	8330744	Planar	shear zone	75	234			
11MK194	483464	8330723	Planar	bedding	85	224			
11MK195	483675	8330532	Planar	bedding	65	219			
11MK196	483604	8330583	Planar	bedding	60	235			
11MK197	483591	8330598	Planar	shear zone	67	226			
11MK197	483591	8330598	Planar	shear zone	67	226			
11MK198	482933	8331218	Planar	bedding	2	0			
11MK199	482935	8331232	Planar	bedding	15	219			
11MK200	482937	8331239	Planar	bedding	10	119			
11MK202	484580	8330055	Planar	bedding	75	16			SIM is 10m thick; high grade central portion ~50cm thick; near MKRC015
11MK205	484254	8330215	Planar	bedding	80	26			High grade SIM is 20cm thick with banded SST/OO either side
11MK206	484057	8330313	Planar	bedding	85	26			HG SIM band
11MK209	484015	8330331	Planar	bedding	80	16			
11MK212	483664	8330535	Planar	bedding	85	220			1m thick sandy oolite; near MKRC018
11MK214	483558	8330735	Planar	bedding	50	42			Abundant crackle veins in clean white sandstone
11MK215	483537	8330700	Planar	bedding	80	46			1-2m thick band of sandy oolite
11MK216	483414	8330690	Planar	bedding	16	56			along cleared track
11MK217	483430	8330655	Planar	bedding	18	72			
11MK218	483439	8330642	Planar	bedding	18	72			
11MK219	483278	8330599	Planar	bedding	10	62			
11MK220	483449	8330850	Planar	bedding	72	46			Moroak Sandstone
11MK221	483385	8330879	Planar	bedding	65	50			well bedded; finely laminated with hem; SLT / SST
11MK222	483488	8330750	Planar	bedding	80	52			reasonable grade over 1m; liesegang textured; SOO/OO
11MK223	483163	8331204	Planar	bedding	52	230			crackle veined white sandstone; uncertain bedding measurement
11MK224	483106	8331237	Planar	bedding	62	222			SST/SLT
11MK225	483095	8331226	Planar	bedding	82	234			
11MK226	483076	8331210	Planar	bedding	74	224			
11MK228	483060	8331219	Planar	bedding	10	42			finely laminated siltstone (KYM?);fg rocks accomodating strain?
11MK228	483060	8331219	Planar	bedding	70	210			banded with hem laminations; SLT/SST
11MK228	483060	8331219	Planar	fault(ed)	90	162			approx 4m offset
11MK229	483063	8331174	Planar	bedding	70	230			SST band in SLT/SST
11MK230	483026	8331154	Planar	bedding	12	212			finely laminated; partly ferruginous

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11MK231	483012	8331144	Planar	bedding	0	0			flat dipping SIM and spotted SST at top of hill
11MK232	482929	8331482	Planar	bedding	70	240			
11MK233	482890	8331491	Planar	bedding	65	244			
11MK234	482888	8331493	Planar	bedding	45	249			
11MK235	482887	8331496	Planar	bedding	70	256			
11MK236	482885	8331503	Planar	foliation / cleavage of D1	74	244			
11MK237	482887	8331487	Planar	foliation / cleavage of D1	50	239			
11MK239	482884	8331488	Planar	foliation / cleavage of D1	60	69			
11MK240	482877	8331487	Planar	bedding	60	49			
11MK241	482887	8331488	Planar	shear zone	15	54			
11MK242	482883	8331489	Planar	shear zone	20	244			
11MK801	482945	8331253	Planar	bedding	25	259			
11MK802	482972	8331257	Planar	bedding	55	224			
11MK803	482972	8331257	Planar	foliation / cleavage of D1	20	234			
11MK805	482995	8331263	Planar	foliation / cleavage of D1	35	234			
11MK806	483000	8331262	Planar	bedding	55	242			
11MK807	483004	8331274	Planar	bedding	56	230			
11MK808	483025	8331276	Planar	bedding	58	234			
11MK809	483050	8331294	Planar	bedding	60	239			
11MK810	483063	8331321	Planar	bedding	70	27			
11MK811	482806	8331454	Planar	bedding	30	259			
11MK812	482818	8331436	Planar	bedding	45	74			
11MK813	482829	8331466	Planar	bedding	25	70			
11MK814	482832	8331467	Linear	slickenside(s)			54	5	
11MK815	482834	8331467	Linear	slickenside(s)			64	15	Slickensides fiber
11MK816	482838	8331465	Planar	bedding	46	74			Shear zone
11MK817	482841	8331467	Planar	bedding	15	70			Shear zone
11MK818	482876	8331472	Planar	bedding	62	66			Shear zone
11MK819	482884	8331480	Planar	bedding	80	49			
11MK820	482895	8331480	Planar	bedding	85	49			
11MK821	482900	8331480	Planar	bedding	65	69			
11MK822	482932	8331503	Planar	bedding	35	71			
11MK823	482953	8331503	Planar	bedding	35	64			
11MK824	482914	8331487	Planar	bedding	55	78			
11MK825	482919	8331487	Planar	bedding	70	54			
11MK826	482925	8331492	Planar	bedding	32	266			
11MK827	482921	8331491	Planar	bedding	50	59			
11MK828	482923	8331481	Planar	bedding	35	68			
11MK829	482925	8331482	Planar	bedding	35	256			
11MK830	482940	8331480	Planar	bedding	68	79			
11MK831	482930	8331480	Planar	bedding	32	230			
11MK901	485247	8329696	Planar	bedding	85	35			upright sandstone beds; suggestion of folding from one allocthonous block
11MK902	484812	8329963	Planar	bedding	83	21			
11MK903	483612	8330613	Linear	Fold 1 hinge line			300	1	small scale tight upright asymmetrical recumbent fold; parallel limbs
11MK903	483612	8330613	Planar	bedding	65	32			
11MK903	483612	8330613	Planar	bedding	75	30			
11MK904	483482	8330619	Planar	bedding	2	228			
11MK906	483454	8330807	Planar	bedding	72	50			
11MK907	483461	8330820	Planar	bedding	80	31			
11MK908	483477	8330839	Planar	bedding	63	45			
11MK909	483407	8330879	Planar	bedding	60	50			bedding planes measured around upright asymmetric recumbent folding
11MK909	483407	8330879	Planar	bedding	12	206			bedding planes measured around upright asymmetric recumbent folding
11MK909	483407	8330879	Linear	Fold 1 hinge line			136	10	major folding; tight upright asymmetrical recumbent folding; parallel limbs
11MK909	483407	8330879	Planar	bedding	53	46			bedding planes measured around upright asymmetric recumbent folding
11MK911	482979	8331531	Planar	bedding	35	240			
11MK912	482738	8331711	Planar	bedding	65	235			