

Categories of Leadable Climbs

Pure (Clean) Traditional Climbs	Traditional Climbs	Traditional Bolted Climbs	Sport Climbs
<p><u>Defining Characteristics</u></p> <ul style="list-style-type: none"> Involves only removable climbing gear for anchors and intermediate protection. Bolts are not present. Descent by walking off, scrambling, or rappelling from non-fixed anchors. These climbs are generally crack climbs. <p><u>MRA Concern</u></p> <p>None – No prohibited uses, no MRA required, entirely policy consistent, involves self-reliant and adventurous qualities that appear highly consistent with wilderness recreation values</p> <p><u>Example Climbs</u></p> <p>Invisibility Lessons</p>	<p><u>Defining Characteristics</u></p> <ul style="list-style-type: none"> Removable protection is the primary method for protecting the route, for both intermediate protection and anchors. However, bolts may be present in some locations. Bolted anchors at the top of the route and between pitches are only placed if there are no opportunities to build an anchor with removable gear, or if rappelling is necessary due to a lack of a practical walk-off or scramble <p><u>Common Characteristics</u></p> <ul style="list-style-type: none"> These climbs are mostly crack climbs but may have intermittent sections of face climbing, or crack climbing that one cannot protect without using bolts. Bolts are uncommon and placed at infrequent good stances or to protect crux climbing moves on the route where no removable gear placement is possible. There may be long sections of the route where no protection is available, especially in easier sections of the route. Safely climbing these routes requires careful risk assessment and risk mitigation strategies by the climber. A potential climber cannot assume that falls will be short and fixed anchors will be closely spaced throughout the route Descent is typically accomplished by walking off, scrambling, or rappelling. <p><u>MRA Concern</u></p> <p>Low – Involves infrequent prohibited uses requiring an MRA, policy consistent if justified by MRA, involves self-reliant and adventurous qualities that appear consistent with wilderness recreation values</p> <p><u>Example Climbs</u></p> <p>Bird of Fire Mental Physics</p>	<p><u>Defining Characteristics</u></p> <ul style="list-style-type: none"> Bolts are the primary method for protecting the route, for both intermediate protection and anchors. However, removable protection may be possible in some locations. Bolts are spaced such that the potential for injury during a leader fall may be significant. Climbers may feel uncomfortable due to lack of available protection. <p><u>Common Characteristics</u></p> <ul style="list-style-type: none"> These climbs are either completely face climbs, or face climbs with intermittent sections of crack climbing. The face climbing on these routes requires high technical proficiency for safe ascent and often relies on specialized friction climbing techniques. Bolts, as intermediate protection or anchors, are not typically present where there is an obvious opportunity to place removable protection¹. Bolts are used sparingly and placed at infrequent good stances or to protect crux climbing moves on the route. There may be long sections of the route where no protection is available, especially in easier sections of the route. Safely climbing these routes requires careful risk assessment and risk mitigation strategies by the climber. A potential climber cannot assume that falls will be short and fixed anchors will be closely spaced throughout the route Descent is typically accomplished by walking off, scrambling, or rappelling. <p><u>MRA Concern</u></p> <p>Medium – Portions or all of the climb may be bolt dependent, requires MRA, not explicitly identified as inappropriate in wilderness in policy, but requires a case to be made that these are valuable recreation opportunities that are that are appropriate given the nature of Joshua Tree’s climbing formations, perhaps represent an important or “classic” style of climbing at Joshua Tree.</p> <p><u>Example Climbs</u></p> <p>Figures on a Landscape, North Astrodome The Official Route of the 1984 Olympics (non-wilderness example) Solid Gold (wilderness) Final Furious Farsi Dazed and Confused (Lenticular Dome) Walk on the Wild Side (non-wilderness) I Can’t Believe It’s a Girdle</p>	<p><u>Defining Characteristics</u></p> <ul style="list-style-type: none"> Lead protection involves only quickdraws placed on bolts for intermediate climbing protection.² Bolts are spaced such that the potential for injury during a leader fall is relatively low <p><u>Common Characteristics</u></p> <ul style="list-style-type: none"> Climbs of this type are generally steeper face climbs, but any climb may fall into this category depending on the frequency of bolts that are placed. Potential climbers are primarily concerned about having enough quickdraws to be able to clip every bolt. There may be some bolts that are difficult to clip, or longer spaced sections between bolts, but generally careful planning for protecting the lead climber is not necessary. Descent by lowering off rings, chains, or another fixed anchor. Anchors are primarily designed for convenience of climbers. <p><u>MRA Concern</u></p> <p>High – bolt dependent, bolt intensive, identified as inappropriate in wilderness in NPS policy.</p> <p><u>Example Climbs</u></p> <p>Yasmine Bleeth (Outer Mongolia Area) Ocean of Doubt (Ivory Tower) Bumpy (Split Dome) Potato Gun (Split Dome) Ionic Strength (Atom Smasher)</p>

Other Types of Fixed Anchors Subject to Minimum Requirements Analysis

Toprope Anchors

Toprope anchors allow climbers to climb sections of rock without leading the climb, and therefore without the need to use intermediate protection. Toprope anchors may be constructed with slings around natural features, but in many cases Toprope anchors are comprised of two or more bolts, sometimes augmented with chains and rings to simplify the use of the anchor. Toprope anchors may have a singular purpose in allowing for the top roping of a section of rock, or they may have multiple purposes, such as for use as a rappel anchor or top anchor for a leadable climb. Generally, a top anchor on a leadable climb would be analyzed as part of a route according the Leadable Climbs matrix.

Rappel Anchors

Rappel anchors are used by climbers to descend from the tops of climbs or formations when a descent by walking or scrambling is not possible or practical. Like toprope anchors, rappel anchors may use natural features, but in many cases are comprised of two or more bolts, possibly augmented with chains or rings to simplify the use of the anchor. And rappel anchors may also be for the singular purpose of descent, or may also serve as toprope or top anchors on a leadable climb.

¹ This reflects the climbing ethic and bolting decisions of the first ascensionist.

² A route may still be considered a sport route if some climbers choose to place removable protection between relatively close bolts.

Slackline and Highline Anchors

A slackline is a suspended length of flat webbing that is tensioned between two anchors to allow for walking in balance across the slackline. A highline is simply a slackline suspended high above the ground; highliners will typically attach themselves to the suspended webbing with a harness and an additional length of webbing. Slacklines and highlines require rock features with clear spans in between the anchors, and such anchors are not typically used for other climbing purposes.

DRAFT Categorization of Routes Using the JOTR Climbing Style Matrix

Area	Formation	Aspect	Route	# of pitches	Difficulculty	No. Bolts	Fixed Anchor/Rap	Category
Wonderland South	North AstroDome 100% Wilderness	North	Throat Warbler Mangrove	1	5.9 R	0	No	Pure
			Nevermore	1	5.10b	0	No	Pure
			Zion Train	1	5.10d	0	No	Pure
			In Search of Hush Puppies	2	5.7 x	2	Yes	Trad
			Astronomical	1	5.10d	4	No	Trad
			Repo Man	3	5.12a R	14	Yes	Trad
			Go Figure	2	5.10c	4	Yes	Trad
			Figures on a Landscape	2	5.10b	11	Yes	Trad
			Astro Turf	2	5.10b	16	Yes	Trad Bolted
			The Gunslinger	4	5.12b	28	Yes	Trad Bolted
		Unknown Soldier	1	5.11b	13	Yes	Trad Bolted	
		South West	Hush Puppies	1	5.6	0	No	Pure
			Let Your Freak Flag Fly	1	5.7	13	Yes	Trad Bolted
			Lead Us Not into Temptation	1	5.9	8	Yes	Trad Bolted
			Godsend	1	5.10c	11	Yes	Trad Bolted
			Life's a Pitch	1	5.12a	10	Yes	Trad Bolted
			Chute to Kill	1	5.10c	6	Yes	Trad Bolted
			Deliver Us From Evil	1	5.8 R	4	No	Trad Bolted

144

Total Bolts	144
Total Routes	18
Total Pure Trad	4
Total Trad	5
Total Trad Bolted	9
Total Sport	0

Data Source : The data presented here represents a first attempt to categorize routes in this treatment area. Routes were reviewed by the planning team with experience and expertise in climbing at JOTR. The park seeks public feedback on the JOTR Climbing Matrix and the categorization of routes within treatment areas. Comments would be most useful when referencing the matrix specifically or including details about specific routes and assigned categories.

DRAFT Categorization of Routes Using the JOTR Climbing Style Matrix

Area	Formation	Route	# of pitches	Difficulty	No. Bolts	Fixed Anchor/Rap	Category	
Wonderland South	South AstroDome 100% Wilderness	North Face Left Side	Hex Marks the Poot	1	5.7	0	No	Pure Trad
			Strike It Rich	1	5.10a	3	No	Trad
			Stone Idol	1	5.11dR	6	No	Trad
			Primal Flake	1	5.9	2	No	Trad
			If You Really Loved Me, You'd Buy Me a Turkey	1	5.10b	3	No	Trad Bolted
			Naked Singularity	1	5.11b	13	No	Trad Bolted
			Mamunia	2	5.13a	17	Yes	Trad Bolted
		North Face Right Side	Bleed Between the Lines	0	5.10c	0	No	Pure Trad
			Such A Waste	0	5.11b	0	No	Pure Trad
			Middle Age Crisis	1	5.11b	7	Yes	Sport
			My Laundry	2	5.9	5	Yes	Trad
			Solid Gold	2	5.10a	9	Yes	Trad
			Middle Age Crazy	2	5.11c	8	No	Trad
			Shooting Star	2	5.11aR	5	No	Trad
			Middle Age Savage	1	5.12a	10	Yes	Trad
			Such A Savage	2	5.11aR	12	P1 yes	Trad
			Breakfast of Champions	2	5.9	7	Yes	Trad
			Piggle Pug	1	5.10c	0	Yes	Trad
			Crimping Lessons	1	5.11b	7	Yes	Trad Bolted
			Walking Pneumonia	2	5.11bR	7	P1 yes	Trad Bolted
		Boogie Woogie Blues	1	5.11c	3	No	Trad Bolted	
		Southwest	Didn't Your Mama Ever Tell You About A Stranger's Bolts	1	5.9	3	No	Trad
			Air Voyager	1	5.11b R	1	No	Trad
			It Seems Possible	1	5.10c R	2	No	Trad
			Bozo Buttress	1	5.1	3	No	Trad Bolted
			Mr. Lizard Meets Flintstone	1	5.6	5	No	Trad Bolted

138

Total Bolts	138
Total Routes	26
Total Pure Trad	3
Total Trad	14
Total Trad Bolted	8
Total Sport	1

Data Source : The data presented here represents a first attempt to categorize routes in this treatment area. Routes were reviewed by the planning team with experience and expertise in climbing at JOTR. The park seeks public feedback on the JOTR Climbing Matrix and the categorization of routes within treatment areas. Comments would be most useful when referencing the matrix specifically or including details about specific routes and assigned categories.

DRAFT Categorization of Routes Using the JOTR Climbing Style Matrix - GEOLOGY TOUR ROAD TREATMENT AREA

Area	Formation	Aspect	Route	# of pitches	Difficulculty	No. Bolts	Fixed Anchor/Rap	Category	Wild / Non Wild
Cave Rock		North	Young Sole Rebel	1	5.4	0	No	Pure	Wilderness
		North	Broken Noses, Direct	1	5.8	0	No	Pure	
		North	Broken Noses	1	5.3	0	No	Pure	
		West	There and Back Again	1	5.4	0	No	Pure	
		West	Fragrant Vegetable	1	5.10a	0	No	Pure	
		West	The Stinking Rose	1	5.8	0	No	Pure	
		West	Fresh Garlic	1	5.9	0	No	Pure	
		West	Seed of Irony	1	5.10a	0	No	Pure	
Crow's Nest		North	Trench Connection	1	5.5	0	No	Pure	Non-wilderness
		North	No Strings Attached	1	5.4	0	No	Pure	
		North	Yeah, Baby!	1	5.5	0	No	Pure	
		North	Crow's Feet	1	5.4	0	No	Pure	
		North	Caws and Effect	1	5.7	0	No	Pure	
		North	Eating Crow	1	5.3	0	No	Pure	
Demon Dome		Southwest	Doin' Some Damage	1	5.10c	0	No	Pure	Non-Wilderness
		South	Centurion	1	5.10d	0	No	Pure	
		South	Greedy Goat	1	5.10a	7	Yes	Sport	
		North	Clam	1	5.10a	4	Yes	Trad	
		North	Bee's Warm	1	5.9	3	No	Trad	
		North	Bee War	1	5.6	0	No	Trad	
Diamond Clumb		West	Ring of Fire	1	5.11b	3	No	Trad Bolted	Non-Wilderness
Gravity Rock		unknown	Center of Gravity	1	5.10c	0	No	Pure	Wilderness
		unknown	Left of Center	1	5.10b	0	No	Pure	
		unknown	Feel the Love	1	5.11	9	Yes	Sport	
		unknown	I'll Sleep When I'm Dead	1	5.7	5	Yes	Trad	
Harry's Quarry		South	A-Goo	1	5.6	6	Yes	Sport	Wilderness
		South	The Milk Arete	2	5.1	unknown	Yes	Trad Bolted	
Human Sacrifice Boulder		Southeast	Human Sacrifice	1	5.11c	0	No	Pure	Non-wilderness
		Southeast	Skinhead Arete	1	5.12c	6	Yes	Trad Bolted	
		Southeast	New World Order	1	5.13b	8	Yes	Trad Bolted	
		North	Defenders of the Farce	1	5.10a	1	No	Trad Bolted	
Island in the Stream		North	Zapatista Now!	1	5.11	7	Yes	Sport	Wilderness
		North	Astroglide	1	5.12	4	Yes	Sport	
		North	Message in a Bottle	1	5.10c	3	No	Trad	
		North	Middle of Somewhere	1	5.12a	0	No	Trad	
		North	Adrift	1	5.11b	4	No	Trad	
		North	Sharks in the Water	1	5.10c	2	No	Trad	
		North	Whisper When You Scream	1	5.9	3	No	Trad	
		Northwest	Ali Shuffle	1	5.10b	0	No	Pure	
		Northwest	To Hold and to Have	1	5.12c	0	No	Pure	
		Northwest	Zen and the Art of Placement	1	5.11c	0	No	Pure	

Geology Tour
Road

Jerry's Quarry	Northwest	Spank the Monkey	1	5.10b	0	No	Pure	Wilderness
	Northwest	Igor's Failed Road Trip	1	5.11a	0	No	Pure	
	Northwest	Toffied Ear Wax	1	5.9	0	No	Pure	
	Northwest	Elephant Walk	1	5.11d	7	Yes	Sport	
	South	One Eyed Frog	1	5.10c	4	Yes	Sport	
	Northwest	Equinox	1	5.12c	2	Yes	Trad	
Lava Dome	East	Nothing to Fear	1	5.6	0	No	Pure	Wilderness
	East	But Fear Itself	1	5.8	0	No	Pure	
	Southeast	Lava Lamp	1	5.4	0	No	Pure	
	West	Standing Ovation	1	5.10a	0	No	Pure	
	West	Right Hand of Light	1	5.10c	0	No	Pure	
	Northwest	Mauna Kea	1	5.11	7	Yes	Sport	
	Northwest	Mauna Loa	1	5.9	3	Yes	Trad	
	Southeast	Hot Flashes	1	5.11b	2	No	Trad	
Lechlinki's Crack	West	Kona	1	5.10a	1	No	Trad	Non-wilderness
	West	Popo	1	5.7R	2	Yes	Trad	
	Northwest	Elevenfall Face	1	5.11d	0	No	Pure	
	Northwest	Waugh Crack	1	5.10c	0	No	Pure	
	Northwest	Vogel Crack	1	5.8	0	No	Pure	
	Northwest	S Crack	1	5.11a	0	No	Pure	
	South	Lechlinki's Crack	1	5.9	0	No	Pure	
	North	Robert's Crack	1	5.8	0	No	Pure	
	South	Crazy Xenoliths	1	5.8	6	Yes	Sport	
	South	Keith's 10,000 Girlfriends	1	5.7	5	Yes	Sport	
	Northwest	Black Nipple Fetish	1	5.11b	4	No	Trad	
	South	Woodward Crack	1	5.12a	1	No	Trad	
Little Europe	South	(Redacted)	1	5.11b	5	No	Trad	Non-Wilderness
	South	Keith's Ripped Back	1	5.8	6	No	Trad Bolted	
	Southwest	Spooky Boobs	1	5.10a	5	Yes	Sport	
	South	The Butt Sniffer	1	5.10a	7	Yes	Sport	
	Southwest	The Peter Meter	1	5.10a	7	Yes	Sport	
	Southeast	Jeremy's Route	1	5.11	6	Yes	Sport	
	East	On Cider	1	5.10a	6	Yes	Sport	
	East	Hip Hop Anonymous	1	5.10a	5	Yes	Sport	
Lost Pencil	East	Polish Pope	1	5.8	6	Yes	Sport	Non-Wilderness
	East	Polish Power	1	5.5	6	Yes	Sport	
	unknown	Denial	1	5.11c	7	Yes	Sport	
Mission Rock	South	Number Two	1	5.12b	7	Yes	Trad Bolted	Wilderness
	South	Indian Giver	1	5.11	5	Yes	Trad Bolted	Non-wilderness
	North	Miss Weiner Tot	1	5.11	7	Yes	Sport	Non-wilderness
Monkey Dome	North	Man on a Mission	1	5.10d	1	Yes	Trad	shared fixed anchor
	South	The Praying Monkey	1	5.5	5	Yes	Sport	?
near Gravity Rock	South	Elvis Impersonators and Traveling	1	5.10c	7	Yes	Sport	?
	West	Slum Dog	1	5.7	0	Yes	Trad	Wilderness
	West	When I'm Dead	1	5.7	0	Yes	Trad	
	South	Jailbird	1	5.7	5	Yes	Sport	

Near Lost Pencil	unknown	New Shoes for Sunny	1	5.10a	7	Yes	Sport	Wilderness
	Northwest	Sexy Bolt	1	5.9	7	Yes	Sport	
	Northwest	Coming Up	1	5.10a	0	No	Trad	
Perpetual Motion	South	Cyclotron	1	5.10d	0	No	Pure	Wilderness
	South	Perpetual Motion	1	5.10d	0	No	Pure	
	South	Gross Chimney	1	5.10a	0	No	Pure	
	South	I Eat Cannibals	1	5.10d	0	No	Pure	
Reef Rock	unknown	I Should Be Dancin'	1	5.7	0	No	Pure	Wilderness
	unknown	Lacking Garlic	1	5.7	0	No	Pure	
	unknown	Cat's Meow	1	5.9	0	No	Pure	
	unknown	No Bolts Required	1	5.10d	0	No	Pure	
	unknown	Trail of Tears	1	5.10a	0	No	Pure	
	unknown	Simply Climb	1	5.8	0	No	Pure	
	unknown	My Penis Floats	1	5.10d	4	No	Trad	
Rocky Mariciano	East	Having a Senior Moment	1	5.6	3	Yes	Sport	Wilderness
	unknown	Wart the Hog	1	5.10-	7	Yes	Sport	
	unknown	Feeling Tim	1	5.9	5	Yes	Sport	
	unknown	Alex's Climb	1	5.10b	5	Yes	Sport	
	East	Simple Simon	1	5.11c	unknown	unknown	unknown	
	North	Digitizer	1	5.11b	unknown	unknown	unknown	
Star Wars Rock	South	Thumb's Down Left	1	5.9	0	No	Pure	Non-wilderness
	South	Cedric's Deep Sea Fish Market	1	5.10d	0	No	Pure	
	South	Apollo	1	5.12c	0	No	Pure	
	South	Between a Rock and a Hard Place	1	5.10b	0	No	Pure	
	South	Through the Hole and Up the Wall	1	5.2	0	No	Pure	
	South	Walking on the Moon	1	5.12a	4	No	Trad	
	South	Light Saber	1	5.10b	2	Yes	Trad	
Sunlight Rock	North	Dik Dik	1	5.8	5	Yes	Sport	Wilderness
	South	Dawn Keballs	1	5.9	7	Yes	Sport	
	South	Surprise Party	1	5.9	2	No	Trad	
The Iguana	East	Happy Birthday, Rrrreeennn	1	5.5	6	Yes	Sport	Wild
Two Bolt Rock	East	Brain Fart	1	5.11c	0	No	Pure	Non-wilderness
	East	Bent Over Backwards	1	5.10c	0	No	Pure	
	East	Darrens Scrae Scramble and Ramb	1	5.6	0	No	Pure	
	East	Fuss Rattle and Roll	1	5.7	0	No	Pure	
	East	Two Bolt Wall	1	5.9	0	No	Pure	
	unknown	Leather Community	1	5.9	4	Yes	Trad	
Volcano Boulders	South	Hot Lava	1	5.11a	6	Yes	Sport	Non-wilderness
	South	Shalinqua	1	5.10d	5	Yes	Trad	
	South	Obsidian	1	5.12b	2	Yes	Trad Bolted	
	South	Magma	1	5.11d	0	Yes	Trad Bolted	
	South	Vesuvius	1	5.7	6	Yes	Trad Bolted	
	South	Rapture of the Steep	1	5.12b	8	Yes	Trad Bolted	

<i>Climbing Style Categories</i>	<i>Total</i>	<i>Non Wilderness</i>	<i>Wilderness</i>	<i>Unknown</i>	<i>% in wilderness</i>
Pure	57	25	32		25%
Trad	28	11	16	1	12%
Trad Bolted	12	10	2		2%
Sport	33	13	18	2	14%
Total Routes	130	59	68	3	52%
Total Bolts	322				

Data Source : The data presented here represents a first attempt to categorize routes in this treatment area. Routes were reviewed by the planning team with experience and expertise in climbing at JOTR. The park seeks public feedback on the JOTR Climbing Matrix and the categorization of routes within treatment areas. Comments would be most useful when referencing the matrix specifically or including details about specific routes and assigned categories. Prepared January 2022