



SAN BERNARDINO COUNTY
SOLID WASTE MANAGEMENT DIVISION
222 West Hospitality Lane, 2nd Floor
San Bernardino, CA 92415-0017
Fax: 909-386-8900

ADDENDUM NO. 1

TO THE PLANS AND BID DOCUMENTS FOR THE PHASE 1B LINER CONSTRUCTION PROJECT
at the LANDERS SANITARY LANDFILL
in Landers, California

January 15, 2026

The following changes and/or additions shall be made to the Plans and Bid Documents for the Phase 1B Liner Construction Project at the Landers Sanitary Landfill. All other requirements of the Plans and Bid Documents shall remain the same.

The following changes shall be made part of the Contract Documents, and the Bidder should acknowledge receipt thereof on the Bid Proposal.

I. GENERAL

1. Pre-Bid "Sign-In Sheets" are attached to this Addendum No. 1 as Attachment 1.
2. *Western Joshua Tree Conservation Act Incidental Take Permit No. 1927-ITP-2025-007-06* is attached to this Addendum No. 1 as Attachment 3 for reference only. Please refer to Joshua Tree Removal Plan – Sheets 11 and 12 of the Plans.

II. PROJECT SPECIFICATION REVISIONS

1. Section 1.7 – Working Days – of the Technical Specifications shall be modified as follows, with deletions shown using strikethrough (~~deletion~~), and additions colored in red and underlined (addition):

"The Contractor may perform work between the hours of 7:00 a.m. and 8:00 p.m., Monday through ~~Sunday~~ Friday. No operations will be conducted beyond those periods unless otherwise approved in writing by the Engineer or Owner.

The landfill is permitted to operate on Saturday and Sunday and is closed on the following holidays: New Year's Day, Memorial Day, Fourth of July, Labor Day.

Thanksgiving Day, and Christmas Day. No construction operations will be conducted during these periods unless otherwise approved in writing by the Engineer or Owner.”

III. PROJECT QUESTIONS AND ANSWERS

1. Please provide CADD files for the existing ground and proposed contours.
A1. CAD files are available upon request. Please email Joshua LeRoy at joshua.leroy@dpw.sbcounty.gov and provide either a Dropbox link or an equivalent file sharing link.

2. Is there construction water available?
A2. Please refer to Section 2B – Construction Support Tasks, Subsection 1.8 - Construction Water of the Technical Specifications.

3. What is the intended haul road to the Southeast Rock Stockpile?
A3. The intended haul route is the northeast perimeter road that runs along the site’s perimeter habitat fencing. All hauling operations to the Southeast Rock Stockpile should utilize this designated route. Northeast Perimeter Road Exhibit is attached to this Addendum No. 1 as Attachment 2.

If you have any questions, please contact Joshua LeRoy at (909) 386-8629 or you may contact me at (909) 386-9017.



Johnny Gayman, P.E.
Chief Engineer

1/15/2028

Date

ATTACHMENT NO. 1

Sign-In Sheets (Office & Site Walk)



Department of Public Works

- Environmental & Construction • Flood Control
- Operations • Solid Waste Management
- Surveyor • Transportation



MANDATORY PRE-BID MEETING Sign-In Sheet

Project: Phase 1B Liner Construction Project at the Landers Sanitary Landfill
 Meeting Date/Time: January 13, 2026; 10:00 a.m.
 Meeting Location: 222 W. Hospitality Ln, 2nd Floor, San Bernardino CA 92415

- Name: Steve Carroll
 Phone Number: 951-833-8969
 Company Name: Ames Construction
 Address: 391 N. Main St STE 302 Corona, CA
 Email: CABID@Amesco.com
- Name: Jock Yeager
 Phone Number: 951-751-8523
 Company Name: AMES CONSTRUCTION
 Address: 391 N. MAIN ST STE 302 CORONA, CA 92880
 Email: CDBID@AMESCO.COM
- Name: Jimmy Oiden
 Phone Number: ~~James McMinn Inc.~~ 951-470-0275
 Company Name: James McMinn Inc.
 Address: 21834 Cactus Ave. Riverside, CA
 Email: jimmy@jmige.com
- Name: _____
 Phone Number: _____
 Company Name: _____
 Address: _____
 Email: _____
- Name: _____
 Phone Number: _____
 Company Name: _____
 Address: _____
 Email: _____



Department of Public Works

- Environmental & Construction • Flood Control
- Operations • Solid Waste Management
- Surveyor • Transportation



MANDATORY PRE-BID MEETING Sign-In Sheet

Project: Phase 1B Liner Construction Project at the Landers Sanitary Landfill
 Meeting Date/Time: January 13, 2026; 10:00 a.m.
 Meeting Location: 222 W. Hospitality Ln, 2nd Floor, San Bernardino CA 92415

6. Name: William Woolen
 Phone Number: 310-251-6446
 Company Name: SBS Construction
 Address: 637 E Rt 66, Glendora CA 91740
 Email: william.w@sbsconstruction.com

7. Name: Gus Anaya
 Phone Number: 213-655-2377
 Company Name: SBS CONSTRUCTION
 Address: 637 E. Route 66, Glendora, CA 91740
 Email: GUSA@SBSCONSTRUCTION.COM

8. Name: Scott Snyder
 Phone Number: 951-409-4469
 Company Name: MDB General Engineering
 Address: 444 West C St, STE 220, San Diego CA, 92101
 Email: TSn@wearemdb.com

9. Name: _____
 Phone Number: _____
 Company Name: _____
 Address: _____
 Email: _____

10. Name: _____
 Phone Number: _____
 Company Name: _____
 Address: _____
 Email: _____



Department of Public Works

- Environmental & Construction • Flood Control
- Operations • Solid Waste Management
- Surveyor • Transportation



MANDATORY PRE-BID MEETING Sign-In Sheet

Project: Phase 1B Liner Construction Project at the Landers Sanitary Landfill
 Meeting Date/Time: January 13, 2026; 10:00 a.m.
 Meeting Location: 222 W. Hospitality Ln, 2nd Floor, San Bernardino CA 92415

11. Name: EVAN GARBER
 Phone Number: 760-~~555~~ 262-7445
 Company Name: GRANITE CONSTRUCTION COMPANY
 Address: 38000 Monroe St. INDIO, CA 92203
 Email: EVAN.GARBER@GCINC.COM
12. Name: KEN WILLIAMS
 Phone Number: 909-357-1800 EXT 121
 Company Name: JK EXCAVATION & GRADING CO, INC
 Address: 941 W. RIALTO AVE RIALTO CA. 92376
 Email: KWILLIAMS@JKEXCAVATION.COM
13. Name: _____
 Phone Number: _____
 Company Name: _____
 Address: _____
 Email: _____
14. Name: _____
 Phone Number: _____
 Company Name: _____
 Address: _____
 Email: _____
15. Name: _____
 Phone Number: _____
 Company Name: _____
 Address: _____
 Email: _____



Department of Public Works

- Environmental & Construction • Flood Control
- Operations • Solid Waste Management
- Surveyor • Transportation



MANDATORY PRE-BID MEETING Sign-In Sheet

Project: Phase 1B Liner Construction Project at the Landers Sanitary Landfill
 Meeting Date/Time: January 13, 2026; 10:00 a.m.
 Meeting Location: 222 W. Hospitality Ln, 2nd Floor, San Bernardino CA 92415

16. Name: AMBER LARSON
 Phone Number: 303.817.0656
 Company Name: HIGH DESERT UNDERGROUND, INC.
 Address: 13355 OSAGE COURT, APPLE VALLEY, CA 92308
 Email: AMBER@HDUPipeline.COM
17. Name: Gabriel Sollano
 Phone Number: (714) 349-1283
 Company Name: Sokut Construction
 Address: 4010 W. Chandler Ave Santa Ana CA 92705
 Email: gsollano@sokut.com
18. Name: ABE BENITEZ
 Phone Number: 310.728.9733
 Company Name: JEREMY HARRIS CONSTRUCTION, INC.
 Address: 3921 ALAMO ST. Riverside.
 Email: ABEB@JHCINC.NET
19. Name: _____
 Phone Number: _____
 Company Name: _____
 Address: _____
 Email: _____
20. Name: _____
 Phone Number: _____
 Company Name: _____
 Address: _____
 Email: _____



Department of Public Works

- Environmental & Construction • Flood Control
- Operations • Solid Waste Management
- Surveyor • Transportation



MANDATORY PRE-BID MEETING Sign-In Sheet (Site Walk)

Project: Phase 1B Liner Construction Project at the Landers Sanitary Landfill
 Meeting Date/Time: January 13, 2026; 10:00 a.m.
 Meeting Location: 59200 Winters Road, Landers, CA 92285 (Landers Sanitary Landfill)

- Name: Gabriel Sollano
 Phone Number: (714) 349-1283
 Company Name: Sokot construction
 Address: 4010 W. Chandler Ave, Santa Ana CA
 Email: gsollano@sokot.com
- Name: William Woolen
 Phone Number: ~~714~~ 310-251-6446
 Company Name: SBS construction
 Address: 637 E Route 66, Glendora CA 91740
 Email: williamw@sbsconstruction.com
- Name: Jimmy O'Brien
 Phone Number: 951 470 0275
 Company Name: James McMinin Inc.
 Address: 21834 cactus Ave. Riverside, CA
 Email: jimmy@jm.gr.com
- Name: Gus Anaya
 Phone Number: 213-655-2377
 Company Name: SBS CONSTRUCTION
 Address: 637 E ROUTE 66 GLENORA, CA 91740
 Email: GUS.A@SBSCONSTRUCTION.COM
- Name: KEN WILLIAMS
 Phone Number: 909-357-1800 EXT 121
 Company Name: JFK EXCAVATION & GRADING Co-INC
 Address: 541 W. BALD AVE RIALTO CA 92376
 Email: KWILLIAMS@JFKEXCAVATION.COM



Department of Public Works

- Environmental & Construction • Flood Control
- Operations • Solid Waste Management
- Surveyor • Transportation



MANDATORY PRE-BID MEETING Sign-In Sheet (Site Walk)

Project: Phase 1B Liner Construction Project at the Landers Sanitary Landfill

Meeting Date/Time: January 13, 2026; 10:00 a.m.

Meeting Location: 59200 Winters Road, Landers, CA 92285 (Landers Sanitary Landfill)

6. Name: AMBER LARSON
Phone Number: 303.817.0656
Company Name: HIGH DESERT UNDERGROUND, INC.
Address: 13355 OSAGE COURT, APPLE VALLEY, CA 92308
Email: AMBER@HDUPipeline.COM
7. Name: Scott Snyder
Phone Number: 951-409-4409
Company Name: MDB General Engineering
Address: 444 West C St, STE 220, San Diego CA, 92101
Email: Team@wearemdb.com
8. Name: Jock YEAGER
Phone Number: 951 751 8523
Company Name: AMES CONSTRUCTION
Address: 391 N. MAIN STREET CORONA, CA 92880
Email: JOCK.YEAGER@AMES.CO.COM
CABID@AMES.CO.COM
9. Name: Steve Carroll
Phone Number: 951-833-8969
Company Name: Ames Construction
Address: 391 N. Main St. STE302 Corona CA 92880
Email: CABid@Amesco.com
10. Name: EVAN GARBER
Phone Number: 760-262-7445
Company Name: GRANITE CONSTRUCTION
Address: 38800 Monroe St. Indio, CA 92203
Email: evan.garber@gcinc.com



Department of Public Works

- Environmental & Construction • Flood Control
- Operations • Solid Waste Management
- Surveyor • Transportation



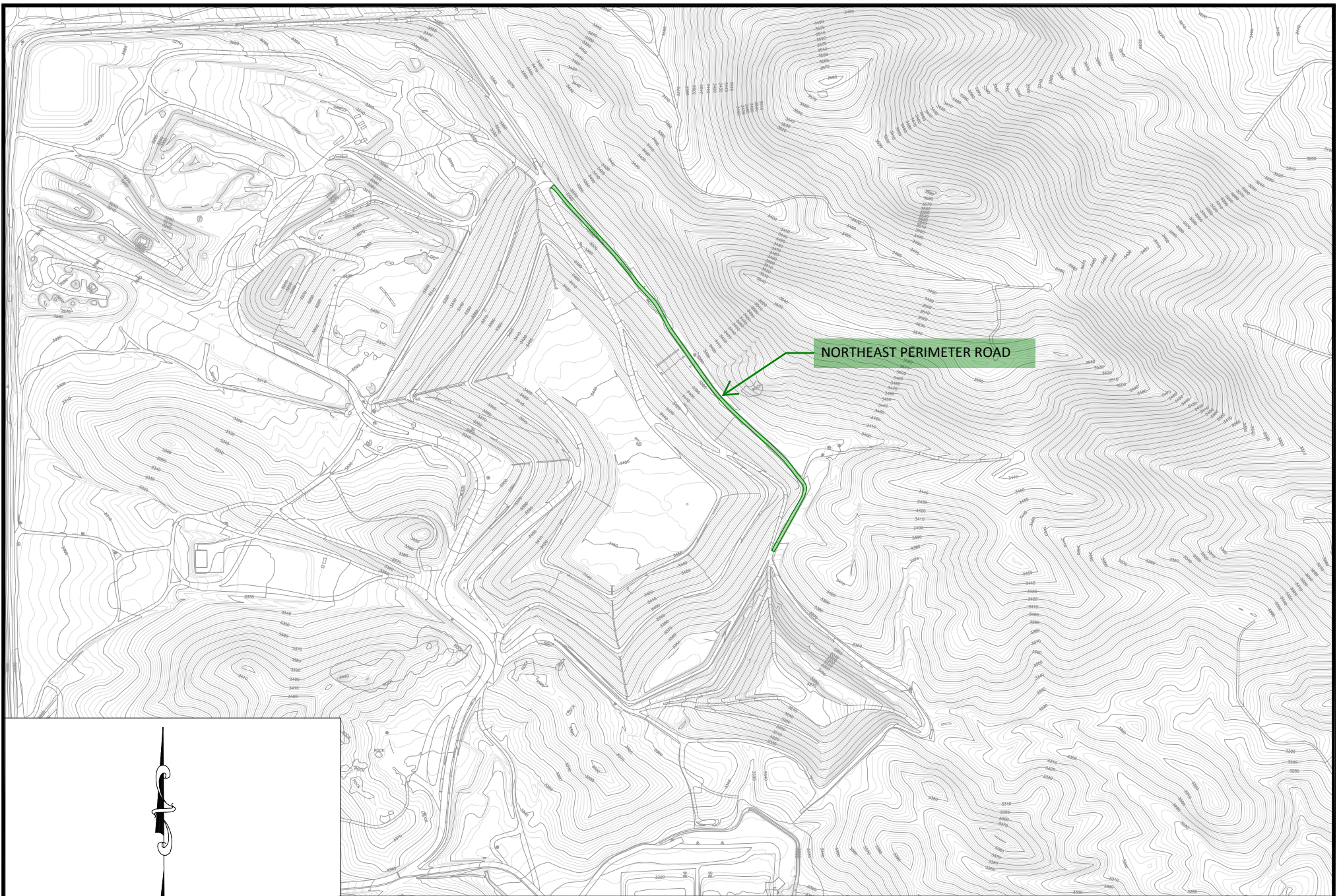
MANDATORY PRE-BID MEETING Sign-In Sheet (Site Walk)

Project: Phase 1B Liner Construction Project at the Landers Sanitary Landfill
 Meeting Date/Time: January 13, 2026; 10:00 a.m.
 Meeting Location: 59200 Winters Road, Landers, CA 92285 (Landers Sanitary Landfill)

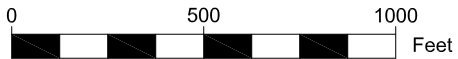
11. Name: ADY BENITEZ
 Phone Number: 310.728.9733
 Company Name: JEREMY HARAN CONSTRUCTION
 Address: 3921 ALAMO ST RIVERSIDE CA
 Email: ADYB@JHCINC.NET
12. Name: _____
 Phone Number: _____
 Company Name: _____
 Address: _____
 Email: _____
13. Name: _____
 Phone Number: _____
 Company Name: _____
 Address: _____
 Email: _____
14. Name: _____
 Phone Number: _____
 Company Name: _____
 Address: _____
 Email: _____
15. Name: _____
 Phone Number: _____
 Company Name: _____
 Address: _____
 Email: _____

ATTACHMENT NO. 2

Northeast Perimeter Road Exhibit



NORTHEAST PERIMETER ROAD



**SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS
SOLID WASTE MANAGEMENT DIVISION**

DRAWN BY JL	DESIGNED BY JL	PROJ. ENGR. JL	SCALE AS SHOWN
----------------	-------------------	-------------------	-------------------

LANDERS SANITARY LANDFILL

NORTHEAST PERIMETER ROAD

ATT.
2

ATTACHMENT NO. 3

Western Joshua Tree Conservation Act Incidental Take Permit



California Department of Fish and Wildlife
Inland Deserts Region
3602 INLAND EMPIRE BLVD., SUITE C-220
ONTARIO, CA 91764

Western Joshua Tree Conservation Act

Western Joshua Tree Conservation Act Incidental Take Permit No. 1927-ITP-2025-007-06
LANDERS SANITARY LANDFILL PROJECT

I. Authority:

This Western Joshua Tree Conservation Act (WJTCA) Incidental Take Permit (Permit) is issued by the California Department of Fish and Wildlife (CDFW) pursuant to Fish and Game Code section 1927.3. The WJTCA prohibits the take¹ of any western Joshua tree, *Yucca brevifolia* (WJT), or any part or product thereof, except as authorized.² CDFW may authorize, by permit, incidental take of WJT subject to the requirements of the WJTCA.³ This Permit authorizes incidental take of WJT by Permittee as specifically described herein, pursuant to the WJTCA.

Permittee:	San Bernardino County Public Works Solid Waste Management Division
Principal Officer:	Marc Rodabaugh, Deputy Director
Contact Person:	Patrick Egle, (909) 387-1865
Mailing Address:	825 E. Third Street, San Bernardino, CA 92415

II. Effective Date and Expiration Date of this Permit:

This Permit shall become effective upon execution by CDFW. This Permit and the take authorization conferred hereunder shall expire on **December 22, 2030**.

III. Project Location:

The Landers Sanitary Landfill Project (Project) is located on land owned by the San Bernardino County Department of Public Works within the unincorporated area of Landers, San Bernardino County, State of California (see Figure 1). The Project is located approximately 3.75 miles east of Highway 247 at approximately latitude 34.240380 and longitude -116.37439. The Project is located on Assessor's Parcel Numbers (APNs) 0631-071-38, 0631-091-77, 0631-071-41, and 0631-101-03. However, all WJT are found on APN 0631-071-38 and APN 0631-091-77. The Project is bounded by undisturbed land, with Reche Road to the north and Luna Vista Lane to the south (Project Site).

¹“Take’ means hunt, pursue, catch, capture, or kill, or attempt to hunt, pursue, catch, capture, or kill.” (Fish & G. Code, § 86.)

² Fish & G. Code, § 1927.2.

³ Fish & G. Code, § 1927.3.

IV. Project Description:

The Project is comprised of the expansion of the Landers Sanitary Landfill (landfill) in order to increase the capacity of waste disposal (see Figure 3). The landfill is currently in use and has been in operation since 1965. The expansion will allow waste disposal to continue until 2072. The proposed expansion area is located west and northwest of the current active landfill. The expansion includes 4 phases. Phase 1 is located in the southeast corner of the proposed expansion area and it includes expansion by approximately 1,850,000 cubic yards of capacity. Phase 1 also includes construction of a berm/road at the southern perimeter, installation of composite liner systems, installation of a leachate collection and removal system, installation of a temporary leachate storage tank, and construction of an access road leading to the proposed Phase 2 location. Phase 2 is directly west of Phase 1, and it includes expansion by approximately 1,525,000 cubic yards. Phase 2 includes the installation of a composite liner system, a leachate collection and removal system, a temporary leachate storage tank, and construction of an access road for access to Phase 3. Phase 3 is located west of Phase 2 and includes expansion by approximately 5,685,000 cubic yards. Phase 3 includes completion of the leachate collection and removal system, construction of storage facilities, final construction of the composite liner system, and construction of 2 stormwater basins. The Project will increase the landfill by 48 acres, increase waste capacity by 10,900,000 cubic yards, and increase the life of the landfill by 54 years. Phase 4 is the last phase and will include the placement of fill up to permitted elevation levels. Project Activities include grubbing and grading of the entire Project Site, trench digging, road construction, basin creation, and vegetation removal.

V. Impacts of the Taking on WJT:

Project Activities and their resulting impacts are expected to result in the incidental take of WJT. The Project is expected to take a total of 239 WJT, as determined by CDFW (see Figure 3). The Project will remove 234, encroach upon 5, and relocate 12 (i.e., collectively “take”). The Project will avoid 2 WJT and at least 39 WJT are located immediately adjacent to the Project site in an area designated as “Non-Disturbance Area” in the census. This number is based on the census submitted by Permittee, a copy of which is attached as Attachment 1 and evaluation of the Project impacts by CDFW.

New WJT stems or trunks may arise from the ground within the Project Site or vicinity of Project Activities over the period of time covered by this Permit. This Permit does not provide take authorization of any WJT, including newly arising stems or trunks, not identified for take in the Western Joshua Tree Project Site Census (Attachment 1) and included in the invoice (Attachment 2). Permittee must seek additional take authorization before conducting Project Activities that will impact new/additional WJT, including any WJTs that resprout in the same location as a previously censused tree after initial tree removal, using the process identified in the Notification of New Stem or Trunk Condition of Approval.⁴

⁴ See Fish & G. Code, § 1927.3, subdivision (b).

VI. Incidental Take Authorization of WJT:

This Permit authorizes incidental take of WJT and only WJT. CDFW authorizes Permittee, its employees, contractors, and agents to take WJT on the Project Site, subject to the limitations described in this section and the Conditions of Approval below. This Permit does not authorize: (a) take of WJT caused by activities outside the scope of the Project Activities, except in association with authorized relocation activities as expressly provided for in this Permit; (b) take of WJT not authorized for take as identified in the approved WJT census and this Permit; or (c) take of WJT resulting from violation of this WJT Permit.

VII. Conditions of Approval:

Unless specified otherwise, the following conditions of approval apply to all Project Activities within the Project Site, including areas used for vehicular ingress and egress, staging, and parking. CDFW's issuance of this Permit and Permittee's authorization to take WJT pursuant to this Permit are subject to Permittee's compliance with, and implementation of, the following Conditions of Approval:

1. **Legal Compliance:** Permittee shall comply with all applicable federal, state, and local laws, regulations, and policies. This Permit sets forth CDFW's requirements for Permittee to implement the Project pursuant to the WJTCA. This Permit does not constitute a general project approval or necessarily create an entitlement to proceed with the Project. Permittee is responsible for obtaining all necessary permits and approvals and for complying with all applicable federal, state, and local laws, regulations, and policies.
2. **CEQA Compliance:** Permittee shall implement and adhere to the mitigation measures related to WJT in the Biological Resources section of the Environmental Impact Report (SCH No.: 2014041106) certified by the San Bernardino County Department of Public Works on March 22, 2016 as lead agency for the Project pursuant to the California Environmental Quality Act (CEQA) (Pub. Resources Code, § 21000 et seq.). If there is a conflict between WJT-related measures in the CEQA document for this Project and the measures in this Permit, this Permit controls.
3. **WJT Permit Compliance Time Frame:** Permittee shall fully implement and adhere to the conditions of this Permit within the time frames set forth below.
4. **General Provisions:**
 - 4.1. Designated Representative. Before starting Project Activities, Permittee shall designate a representative (Designated Representative) responsible for communicating with CDFW and overseeing compliance with this Permit. Before starting Project Activities, Permittee shall notify CDFW in writing of the Designated Representative's name, business address, phone number, and email address (if applicable). Permittee shall subsequently

notify CDFW in writing if a substitute Designated Representative is designated during the term of this Permit. If Permittee is an individual, Permittee may designate itself as the Designated Representative.

4.2. Designated Biologist(s). Permittee shall submit to CDFW in writing the name, qualifications, business address, and contact information of the Designated Biologist(s) using the Biologist Resume Form (Attachment 3) or in another format containing the same information at least 30 days before starting Project Activities. Permittee shall ensure that the Designated Biologist(s) is/are knowledgeable and experienced in the biology, natural history, collecting, and handling of WJT. The Designated Biologist(s) shall be responsible for monitoring Project Activities to help avoid and minimize impacts to, and the taking of, WJT, including any new stems or trunks arising from the ground that were not identified in the census, as well as to minimize disturbance of WJT habitat, to the maximum extent possible. Permittee shall obtain CDFW approval of the Designated Biologist(s) in writing before starting Project Activities and shall also obtain approval in advance, in writing, if the Designated Biologist(s) must be substituted.

4.2.1. **Designated Biologist Authority.** To ensure compliance with the Conditions of Approval of this Permit, the Designated Biologist(s) shall immediately stop any activity that does not comply with this Permit and/or order any reasonable measure to avoid the unauthorized take of WJT. Permittee shall provide unfettered access to the Project Site and otherwise facilitate the Designated Biologist(s) in the performance of his/her/their duties. If the Designated Biologist(s) is/are unable to comply with the Permit, then the Designated Biologist shall notify the Designated Representative who shall notify CDFW immediately. Permittee shall not enter into any agreement or contract of any kind, including but not limited to a non-disclosure agreement or confidentiality agreement, with its contractors and/or the Designated Biologist(s) that prohibit or impede open communication with CDFW, including regarding the results of any surveys, reports, studies, take of WJT, or violation(s) of this Permit or the Fish and Game Code.

4.3. Compliance Monitoring. The Designated Biologist(s) shall be on-site initially when mass grading occurs and during initiation of each phase. The Designated Biologist shall conduct compliance inspections at least quarterly during periods of inactivity and after clearing, grubbing, and grading are completed. The Designated Biologist(s) shall conduct compliance inspections to:

- 4.3.1. Minimize take of WJT;
- 4.3.2. Identify new WJT stems or trunks arising from the ground within the vicinity of Project Activities;

- 4.3.3. Prevent unlawful take of WJT;
- 4.3.4. Check for compliance with all measures of this Permit;
- 4.3.5. Check all buffers; and
- 4.3.6. Ensure that signs, stakes, and fencing are intact, and that Project Activities are only occurring in the Project Site.

The Designated Biologist(s) shall prepare daily written observation and inspection records summarizing oversight activities and compliance inspections for days onsite.

- 4.4. Education Program. Permittee shall conduct an education program for all persons employed or otherwise working on the Project Site before performing any Project Activities. The program shall consist of a presentation from the Designated Biologist(s) that includes a discussion of the biology of WJT, information about the distribution and habitat needs of WJT, sensitivity of WJT to human activities, and WJT's status pursuant to the WJTCA, including legal protection, recovery efforts, penalties for violations, and Project-specific protective measures described in this Permit. Permittee shall prepare and distribute wallet-sized cards, fact sheet handout, or digital document containing this information that workers shall carry in the Project Site. Permittee shall provide interpretation for non-English speaking workers. The same Education Program shall be provided to any new workers before they are authorized to perform work in the Project Site. Upon completion of the program, employees shall sign a form stating they attended the presentation and understand all protection measures. This training shall be repeated at least once annually while Project Activities are occurring for long-term and/or permanent employees that will be conducting work on the Project Site.
- 4.5. Construction Monitoring Documentation. The Designated Representative shall maintain construction-monitoring documentation on-site in either hard copy or digital format throughout the construction period, which shall include any Permit compliance inspection records or notes, a copy of this Permit with attachments, including the census, and a list of signatures of all personnel who have successfully completed the education program as specified in Condition of Approval 4.4. Permittee shall ensure a copy of the construction monitoring documentation is available for review at the Project Site or as otherwise requested by CDFW.
- 4.6. Project Access. Project-related personnel shall access the Project Site using existing routes. Permittee shall restrict Project-related vehicle traffic to established roads, staging, and parking areas. If Permittee determines construction of routes outside of the Project Site are necessary, the Designated Representative shall contact CDFW for written approval before carrying out such an activity. CDFW may require an amendment to this Permit if additional take of WJT may occur as a result of any Project modification.

4.7. Staging Areas. Within the Project Site, Permittee shall confine all Project-related parking, storage areas, laydown sites, equipment storage, and any other surface-disturbing activities to previously disturbed areas, to the maximum extent possible. Permittee shall ensure that fill brought into the Project Site is placed only in designated staging areas to avoid impacts to WJT. Additionally, Permittee shall not use or cross WJT habitat outside of the Project Site, unless provided for as described in Condition of Approval 4.6 of this Permit.

4.8. WJT Stockpiles. If dead and/or removed WJTs are stockpiled on site, they shall not be placed within 50 feet (approximately 15 meters) of WJTs preserved on site, relocated on site, or encroached upon.

4.9. Hazardous Substances. Permittee shall prevent raw cement/concrete or washings thereof, asphalt, paint or other coating material, oil or other petroleum products, hazardous waste, or any other hazardous substances from contaminating soils within 50 ft (approximately 15 m) of a WJT that will be preserved on site, relocated on site, or encroached upon. Permittee shall immediately remove any of these materials if they are placed within the Project Site where they may impact a WJT that will not be lethally taken. Permittee shall properly contain and dispose of any unused or leftover hazardous products off-site.

4.9.1. Spill Cleanup. If any of the hazardous substances mentioned in Condition of Approval 4.9 are leaked or spilled within 50 ft (approximately 15 m) of a WJT that will be preserved on site, relocated on site, or encroached upon, Permittee shall immediately stop all Project Activities and, pursuant to all applicable state and federal statutes and regulations, arrange for repair and clean-up by qualified individuals of any hazardous substance leaks or spills at the time of occurrence, or as soon as it is safe to do so. CDFW shall be notified immediately by Permittee if any spills or leaks occur within 50 ft (approximately 15 m) of a WJT that will be preserved on site, relocated on site, or encroached upon. Permittee shall have all spill clean-up equipment on site during Project Activities.

4.9.2. Check Equipment for Leaks. Permittee shall ensure that construction equipment and vehicles operated in the Project Site are checked and maintained daily to prevent leaks of fuel, lubricants, solvents, or other fluids that could contaminate WJT habitat or soils near WJT that will be preserved on site, relocated on site, or encroached upon.

4.10. CDFW Access. Permittee shall provide CDFW staff with reasonable access to the Project Site and shall otherwise fully cooperate with CDFW efforts to verify compliance with, and

effectiveness of, all Conditions of Approval set forth in this Permit. Permittee shall provide CDFW access up to five years after Project completion to monitor any WJT that will be preserved on site, relocated on site, or encroached upon.

4.11. Refuse Removal. Upon completion of Project Activities, Permittee shall remove from the Project Site and properly dispose of all hazardous waste generated from Project construction, temporary fill used during Project construction, and Project construction-related refuse including, but not limited to, broken equipment parts, wrapping material, cords, cables, wire, rope, flagging, temporary fencing, strapping, twine, buckets, metal or plastic containers, and boxes.

5. Notification and Reporting Provisions:

5.1. Notification Before Commencement. Permittee or the Designated Representative shall notify CDFW at least seven days before starting Project Activities and shall document compliance with all pre-Project Conditions of Approval before starting Project Activities. Notification shall include representative photographs of boundary delineation, no-work buffers, and identification of WJT to be taken as required in Conditions of Approval 6.1, 6.2, and 6.4 below.

5.2. Notification of New Stem or Trunk. Once the Project site has been fully cleared of the 234 WJT identified in the census (Attachment 1), if a new western Joshua tree stem or trunk arises from the ground, regardless of whether it germinates from seed, a trunk re-sprout occurs, or otherwise, Permittee shall prepare a Notification of New Stem or Trunk and submit it to CDFW before conducting/resuming Project Activities that will impact (e.g., by removal, trimming, or encroachment within 15 meters) any WJT individual that was not included in the census (Attachment 1) and included in the invoice (Attachment 2), including any new WJT stem or trunk that arises from the ground (e.g., new sprouts or resprouts). The Notification of New Stem or Trunk shall include the following about any new WJT:

- A unique identifier for each WJT (i.e., WJT ID);
- GPS location for each WJT (latitude and longitude);
- At least one color photo of each WJT identified;
- Size class for each WJT (size class A is any WJT less than one meter in height, size class B is any WJT one meter or greater but less than five meters in height, size class C is any WJT greater than five meters in height);
- Anticipated impact for each WJT (i.e., removal, relocation, trimming, or

encroachment, or no impact);

- If the WJT will be encroached upon (individual will not be removed and Project Activities will take place within 15 meters of the base of the WJT) indicate the distance from the base where Project Activities will take place; and
- A map showing the location of new WJT in relation to WJT for which take is authorized by this Permit.

Permittee shall submit the Notification of New Stem or Trunk prior to conducting activities that may result in take of or impacts to the new stem or trunk (i.e., removal, trimming, relocation, or encroachment). After CDFW has confirmed the number and size class of individual WJT to be impacted, CDFW will provide the Permittee with an invoice for the mitigation fees pursuant to Fish and Game Code section 1927.3, subdivisions (d)-(e). The Notification of New Stem or Trunk and invoice shall be appended to this Permit and considered to be an amendment of this Permit, without further action, authorizing additional take coverage for the new WJT individual(s) provided that the Notification of New Stem or Trunk the Permittee submits is complete and mitigation fees are received by CDFW prior to any impacts to any new WJT individuals identified in the Notification of New Stem or Trunk. CDFW may determine that an amendment of this Permit is required if additional or different conditions of approval, including WJT Relocation, are required.

- 5.3. Notification of Non-compliance.** Permittee or the Designated Representative shall immediately notify CDFW if Permittee is not in compliance with any Condition of Approval of this Permit, including but not limited to any actual or anticipated failure to implement any measure in this Permit within the time periods indicated therein. The Designated Representative shall follow up within 24 hours with a written notice to CDFW describing, in detail, any actual or anticipated non-compliance with this Permit and suggested measures to remedy the situation.
- 5.4. Quarterly Reporting.** Permittee shall provide quarterly reports that include at a minimum: (1) a summary of Project Activities that have been completed during the reporting period; (2) copies of the Designated Biologist’s written observation and inspection records; and (3) photos of avoided WJT remaining onsite where appropriate and feasible.
- 5.5. Annual Status Report.** Permittee shall provide CDFW with an Annual Status Report (ASR) no later than January 31 of every year beginning with issuance of this Permit and continuing until Project completion. Each ASR shall include, at a minimum: (1) a general description of the status of the Project Site and Project Activities, including actual or projected completion dates, if known; (2) an accounting of the WJT individuals identified in the census that have been removed, relocated, injured (e.g., trimmed), encroached,

and/or avoided both for the prior calendar year, and a total since issuance of this Permit; and (3) the results of the Recurring Assessment (see Recurring Assessment Condition of Approval) if it is an assessment year.

- 5.6. Recurring Assessment.** Permittee shall conduct a Recurring Assessment of the Project Site to determine whether any new WJT individuals have emerged. Recurring Assessments shall begin six months after the completion of ground-disturbing activities, and be repeated annually for two consecutive years following the initial assessment, then every five years thereafter, unless the ITP expires before then. If a new WJT is found, the Permittee shall prepare and submit a Notification of New Stem or Trunk and submit it to CDFW before conducting Project Activities that will impact it (see Notification of New Stem or Trunk Condition of Approval).

Permittee shall submit the results of the Recurring Assessment as part of the Annual Status Report (see Annual Status Report Condition of Approval) to CDFW no later than January 31 of each assessment year.

- 5.7. Post Relocation Report.** Permittee shall provide CDFW with a Post-Relocation Report no more than 30 days after relocations are completed. The Post Relocation Report shall include, at a minimum, the date range when relocation operations occurred and for each salvage tree: (1) The unique identifier and recipient site coordinates; (2) the final recipient site, including GPS coordinates (latitude/longitude in decimal degrees); (3) the relocation method used; (4) the height and diameter of the post-relocation water basin constructed (berm); (5) any stabilization supports installed; (6) any major damage, including any necessary limb trimming, that occurred during relocation; (7) any deviation from the tree's original orientation; (8) any root stimulant additives used in pre- or post-relocation irrigations; and (9) a photo of the tree facing north, with the unique identifier in each file name.

- 5.8. Annual Relocation Maintenance Report.** Permittee shall submit annual reports detailing the 1-year and 2-year maintenance periods. The Annual Relocation Maintenance Report shall include, at a minimum: (1) the date(s) when site visit(s) occurred; (2) the contact information and qualifications of the desert native plant specialist(s) performing tree assessments; and (3) information for each salvage tree regarding the following: (a) the unique identifier and recipient site coordinates; (b) whether the tree is alive or dead; (c) dates of supplemental waterings; (d) identity and estimated number of invasive plants observed/controlled and the methods used; (e) any signs of pest/human damage; (f) any signs of declining tree health; (g) any maintenance conducted to repair, replace, add, or adjust berm, stabilization supports, and/or identification markers; (h) a photo of the tree facing north, with the unique identifier in each file name; and (i) at the end of the 2-year period, the reasons for discontinuing maintenance on trees showing stable or increasing

health, such as new leaf growth, flowering/fruitletting, good leaf color, no signs of pest/human damage, and/or unrestricted hard growth.

5.9. Relocation Maintenance Completion Report. A completion report shall be submitted to CDFW no more than 30 days after the end of the 3-year relocation maintenance period. The Relocation Maintenance Completion Report shall include, at a minimum: (1) the date when the final site visit occurred; (2) the date when berm/stabilization materials/identification markers were removed; (3) the contact information and qualifications of the desert native plant specialist(s) performing the final assessment; (4) information for each salvage tree regarding the following: (a) whether the tree is alive or dead; (b) any damage that occurred during or after relocation; (c) any signs of declining health; (d) any signs of pest damage; and (e) a photo of the tree facing north, after berm, stabilization materials, and identification markers are removed, with the tree's unique identifier in each file name; and (5) any recommendations that may help to improve tree relocation methods.

5.10. Project Completion Report. Permittee shall provide CDFW with a Project Completion Report (PCR) no later than 1 month after the Project has been completed. The PCR shall include, at a minimum: (1) photos that illustrate the state of the Project Site upon completion of the Project; (2) approximate start and end date(s) when Project Activities occurred; and (3) an accounting of the WJT individuals identified in the census that have been removed, relocated, encroached, injured (e.g., trimmed), and/or avoided since this Permit's issuance.

5.11. Notification of Take or Damage. Permittee shall immediately notify CDFW by calling the Regional Office at (909) 484-0167 of any death, damage, or injury of WJT not authorized by this ITP. The initial notification to CDFW shall include information regarding the location, size class, and number of WJT individuals taken or damaged and the WJTCA Incidental Take Permit Number. Following initial notification, Permittee shall send CDFW a written notification within two calendar days. The written notification shall include the date and time of the finding or incident, location, and photograph of each WJT individual, and if known, provide an explanation as to cause of take or damage, and any other pertinent information.

6. Take Minimization Measures: Permittee shall avoid and minimize impacts to, and the taking of, WJT, to the maximum extent practicable. Permittee shall implement and adhere to the following conditions to minimize take of WJT within the Project Site as a result of Project Activities:

6.1. Delineation of Project Site Boundaries. Before starting Project Activities along each part of the route in active construction, Permittee shall clearly delineate the boundaries of the

Project Site with fencing, stakes, or flags. To allow for the passage of wildlife serving as seed dispersal agents for WJT, Permittee shall ensure all perimeter fencing is at least 6 inches above grade. Rodent barrier fencing is prohibited. Permittee shall restrict all Project Activities to within the fenced, staked, or flagged areas. Permittee shall maintain all fencing, stakes, and flags until the completion of Project Activities in that area.

6.2. Identification of WJT to be Taken. Permittee shall clearly identify with visible flagging, or with an alternative method approved in advance in writing by CDFW, all WJT authorized to be taken within the Project Site under this Permit.

6.3. WJT Relocation. Permittee shall relocate 12 WJT individuals from the Project Site, as identified in the Relocation Map attached to this Permit as Attachment 4. Permittee shall implement and adhere to the methods, measures, and conditions identified in the CDFW-approved WJT Relocation Plan (Attachment 5) and to the [Western Joshua Tree Relocation Guidelines and Protocols](#) (version in effect at the time relocation takes place). In the event of any conflict or inconsistency between the terms of the WJT Relocation Plan and the WJT Relocation Guidelines, this Permit and the associated WJT Relocation Plan shall control. Any proposed changes to the WJT Relocation Plan after issuance of this Permit shall be submitted in writing for CDFW’s review and approval, and may require amendment to this Permit. Any proposed changes to the WJT Relocation Plan shall not be implemented until approved in writing by CDFW. This Permit authorizes Permittee to undertake all activities necessary to remove the WJT individuals to be relocated, transport them, and transplant them at the receiver site consistent with the WJT Relocation Plan and the WJT Relocation Guidelines.

6.4. No-Work Buffers. Permittee shall ensure no work is conducted within the no-work buffers for WJT that will be preserved on site. Prior to beginning relocation, Permittee shall minimize work within the buffer of WJT that will be relocated to the maximum extent possible. After relocation, Permittee shall ensure no work is conducted within the no-work buffer for relocated WJT. The no-work buffers are

- 50 feet (approximately 15 meters) surrounding any WJT individual that is five meters or greater in height
- 25 feet (approximately 7.5 meters) surrounding any WJT individual is one meter or greater but less than 5 meters in height
- 10 feet (approximately 3 meters) surrounding any WJT individual less than one meter in height

Permittee shall mark no-work buffers using fencing, stakes and ropes, or stakes and flagging of a different color than the color used to identify WJT individuals authorized to be taken (see Condition of Approval 6.2). If WJT individuals occur in groups, Permittee may mark a single 50-foot (approximately 15-meter) buffer around the entire group, measured from the base of the trunk of the outer-most WJTs. Permittee shall maintain the no-work buffer markings for the duration of the Project. After all Project Activities are completed, Permittee must remove all materials used to mark no-work buffers.

- 6.5. Trenching.** During storm events, Permittee shall not perform trenching activities within 50 feet (approximately 15 meters) of WJT preserved on site or relocated on site, as soils around the root zone of WJT may be more susceptible to erosion during such events. Permittee shall only perform trenching activities during periods of dry weather (with less than a 40 percent chance of rain). Within at least 12 hours prior to the onset of predicted rain (40 percent chance of rain or more based on the National Weather Service) or immediately upon the onset of unpredicted rain, Permittee shall cease all trenching activities, all associated erosion control measures shall be in place, and all motorized equipment and fueling materials shall be removed from areas where runoff from these items can be reasonably foreseen to come into contact with WJT preserved on site, or relocated on site, or encroached upon. Trenching halted due to rain may resume when rain ceases. Permittee shall monitor the National Weather Service 72-hour forecast for the Project Site. Weather forecasts shall be documented and shall be provided upon request by CDFW.
- 6.6. Fire Prevention.** To avoid impacts to WJT as a result of fire, workers conducting Project Activities with the potential to inadvertently cause a fire (e.g., excavating, grinding, welding, driving over vegetation, parking on vegetation, mowing, disking, masticating) shall be equipped with an appropriate level of fire prevention and suppression equipment, such as fire extinguishers, backpack pumps filled with water, shovels, welding tents, shields, and fire-resistant mats.
- 6.7. Integrated Pest Management (IPM).** Permittee shall minimize the potential for pests to enter the Project Site by identifying sources of pest introduction, identifying pests, performing early detection and rapid response measures, eradicating invasive plants prior to seed set, and avoiding and minimizing adverse effects of control methods on the natural environment. Pests of particular concern that pose a threat to WJT and desert plant communities include, but are not limited to, Yucca weevils, Argentine ants, and invasive plant species. A list of common invasive plant species can be found on the California Invasive Plant Council Invasive Plant Inventory (Cal IPC Inventory) website at: <https://www.cal-ipc.org/plants/inventory/>. Best management practices and guidelines for preventing the establishment of invasive plants can be found on the California

Invasive Plant Council's website at: <http://www.cal-ipc.org/ip/prevention/index.php>.

- 6.7.1. IPM Implementation and Documentation. Permittee shall provide a summary of IPM activities to CDFW in the ASR. Documentation shall include pest species controlled, growth state for invasive plants (e.g., vegetative, flowering, seed), a map of any pest infestation(s), methods used to eradicate pests, identification of the source or potential source of pests, and methods to prevent new infestations and introductions of the pest species detected.
- 6.7.2. Rodenticides. To avoid impacts to rodent dispersal of WJT seeds, Permittee shall not use rodenticides within the Project Site at any time.
- 6.7.3. Herbicides. Permittee may only use herbicides within the Project Site with CDFW's written authorization. If so authorized, Permittee may only use herbicides registered with the California Department of Pesticide Regulation (DPR). Any dyes included in the herbicides must be EPA-registered dyes approved for use in California. All herbicides shall be applied in accordance with labeled instructions and regulations set by DPR. Labeled instructions for the herbicide(s) used shall be made available to CDFW upon request. No herbicide shall be applied when wind speeds exceed 5 miles per hour.
- 6.7.4. Insecticides. In order to use insecticides within the Project Site, Permittee must first provide a written explanation of a compelling need to use such chemicals to complete Project Activities and receive written authorization from CDFW to do so.

- 7. Mitigation Fees:** Permittee shall satisfy its mitigation obligations under this Permit by paying the appropriate fees pursuant to the fee schedule set forth in Fish and Game Code section 1927.3 subdivision (e), as adjusted annually, for deposit into the Western Joshua Tree Conservation Fund. Fee amounts are based on the location of the project and the number and size of living and dead WJT individuals to be taken. For the purpose of calculating fees, each WJT stem or trunk arising from the ground is considered an individual WJT requiring mitigation, regardless of its proximity to any other WJT stem or trunk.

CDFW has calculated the required fees to be paid based on the number of living and dead WJT individuals to be taken, the size class of the WJT individuals to be taken, and the fee area in which the Project is located. The fee calculation is shown in the WJTCA Incidental Take Permit Mitigation Fee Invoice attached to this Permit as Attachment 2. Permittee submitted payment in the amount of \$133,206.50 and it was received by CDFW on November 4, 2025.

WJTCA Incidental Take Permit
No. 1927-ITP-2025-007-06
SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS
LANDERS SANITARY LANDFILL PROJECT

VIII. Amendment:

Permittee may request an amendment to this Permit prior to its expiration date, including an amendment to extend the term of the Permit, by submitting a description of the requested changes to the regional CDFW office that issued this Permit. Amendment of this Permit may require the submission of a revised census, map and payment of additional mitigation fees.

IX. Stop-Work Order:

If CDFW determines Permittee has violated any term or condition of this Permit or has engaged in unlawful take, CDFW may issue Permittee a written stop-work order instructing Permittee to suspend any Project Activities for an initial period of up to 30 days. A stop-work order shall contain a detailed description of the violation and outline the necessary steps to remedy the violation. CDFW can issue a stop-work order to prevent or remedy a violation of this Permit, including but not limited to the failure to comply with reporting or monitoring obligations, or to prevent the unauthorized take of any CESA endangered, threatened, or candidate species. CDFW's issuance of a stop-work order shall immediately suspend Permittee's take authorization pursuant to this Permit. Permittee shall stop work immediately as directed by CDFW upon receipt of any such stop-work order. Upon written notice to Permittee, CDFW may extend any stop-work order issued to Permittee if Permittee has failed to cure the violation within the initial 30-day stop-work period.

X. Notices:

Written notices, reports, and other communications relating to this Permit shall be delivered to CDFW by email at the following addresses, or at addresses CDFW may subsequently provide to Permittee. Notices, reports, and other communications shall reference the Project name, Permittee, and Permit Number 1927-ITP-2025-007-06 in a cover letter and on all associated documents.

ATTN: CESA/HabCon program
California Department of Fish and Wildlife
Inland Deserts Region
R6CESA@wildlife.ca.gov

and a digital copy to:

CESA Permitting Program
Habitat Conservation Planning Branch
California Department of Fish and Wildlife
CESA@wildlife.ca.gov

If Permittee is unable to provide these items digitally by email, Permittee can submit paper documents via registered first-class mail to:

WJTCA Incidental Take Permit
No. 1927-ITP-2025-007-06
SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS
LANDERS SANITARY LANDFILL PROJECT

Heidi Calvert, Regional Manager
California Department of Fish and Wildlife
Inland Deserts Region
3602 Inland Empire Blvd., Suite C-220
Ontario, CA 91764

Unless Permittee is notified otherwise, CDFW's Regional Representative for purposes of this Permit is:

Steven Recinos, Environmental Scientist
California Department of Fish and Wildlife
Inland Deserts Region
3602 Inland Empire Blvd., Suite C-220
Ontario, CA 91764
Telephone (909) 731-5954
Steven.Recinos@wildlife.ca.gov

XI. Compliance with the California Environmental Quality Act:

CDFW's issuance of this Permit is subject to CEQA. CDFW is a responsible agency pursuant to CEQA with respect to this Permit. (See generally Pub. Resources Code, § 21069.) The San Bernardino County Department of Public Works is the CEQA lead agency for the Project. (See generally Pub. Resources Code, § 21067.) The lead agency's prior environmental review of the Project is set forth in the Landers Sanitary Landfill Expansion Project (SCH No.: 2014041106) dated February 2016 that the San Bernardino County Department of Public Works certified for the Landers Sanitary Landfill Project on April 2, 2016. At the time the lead agency certified the Environmental Impact Report (EIR) and approved the Project, it also adopted various mitigation measures for the WJT as conditions of Project approval.

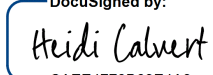
This Permit, along with CDFW's related CEQA findings, which are available as a separate document, provide evidence of CDFW's consideration of the lead agency's EIR for the Project and the environmental effects related to issuance of this Permit. (Cal. Code Regs., tit. 14, § 15096, subd. (f).) CDFW finds that issuance of this Permit will not result in any previously undisclosed, potentially significant effect on the environment or any substantial increase in the severity of any potentially significant environmental effect previously disclosed by the lead agency. Furthermore, to the extent any potential for any such effect exists, CDFW finds that adherence to, and implementation of, the conditions of project approval adopted by the lead agency and the Conditions of Approval imposed by CDFW under this Permit will avoid or reduce to below a level of significance any such potential effects. Consequently, CDFW finds issuance of this Permit will not result in any significant, adverse impact on the environment.

XII. Attachments:

WJTCA Incidental Take Permit
No. 1927-ITP-2025-007-06
SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS
LANDERS SANITARY LANDFILL PROJECT

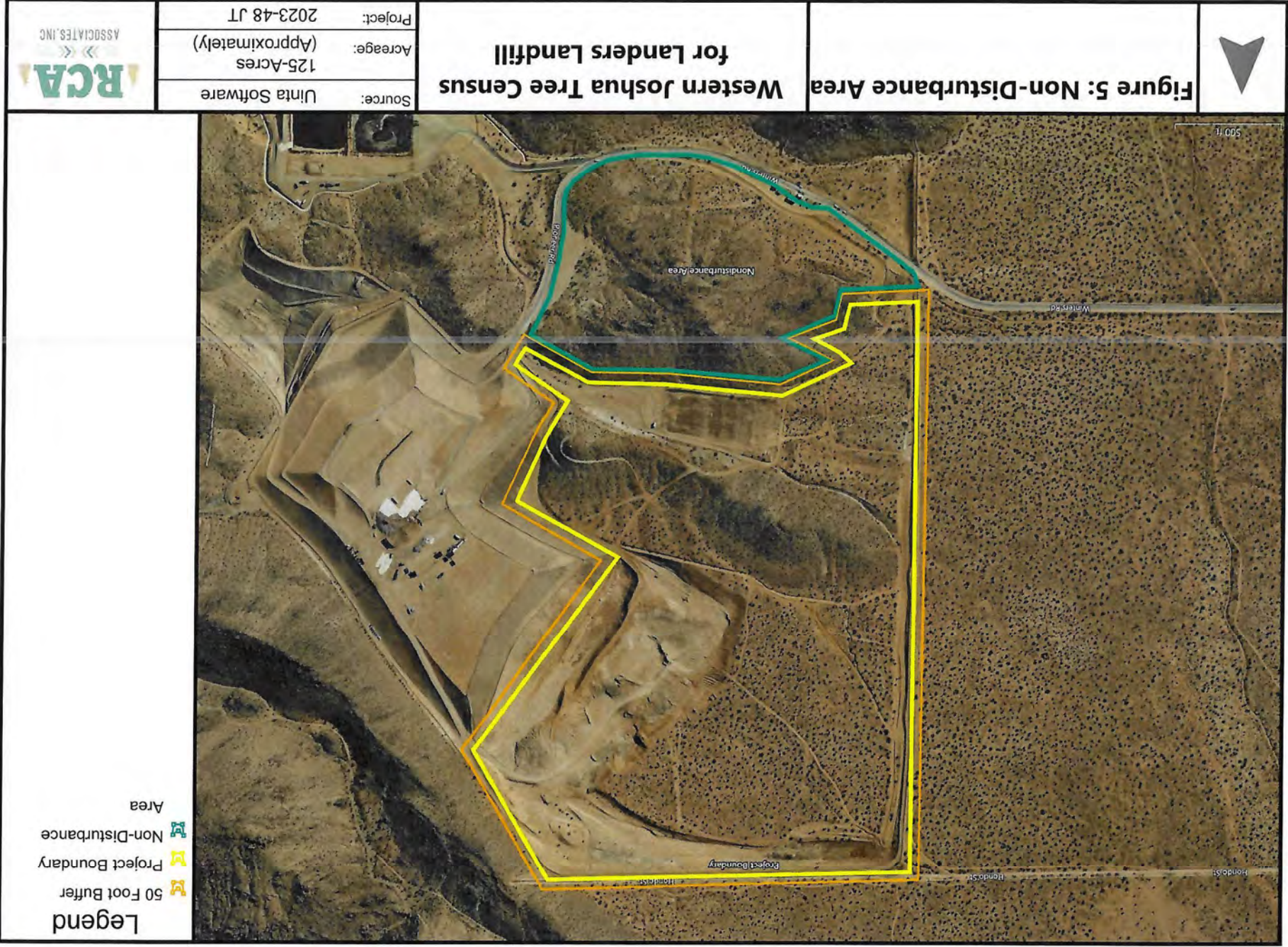
FIGURE 1	Project Location
FIGURE 2	Project Site Plan
FIGURE 3	Project Impact Map
ATTACHMENT 1	Western Joshua Tree Project Site Census
ATTACHMENT 2	WJTCA Incidental Take Permit Mitigation Fee Invoice
ATTACHMENT 3	Biologist Resume Form
ATTACHMENT 4	Relocation Map
ATTACHMENT 5	Relocation Plan
ATTACHMENT 6	Western Joshua Tree Relocation Guidelines and Protocols

ISSUED BY THE CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE ON 01/08/2026

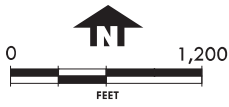
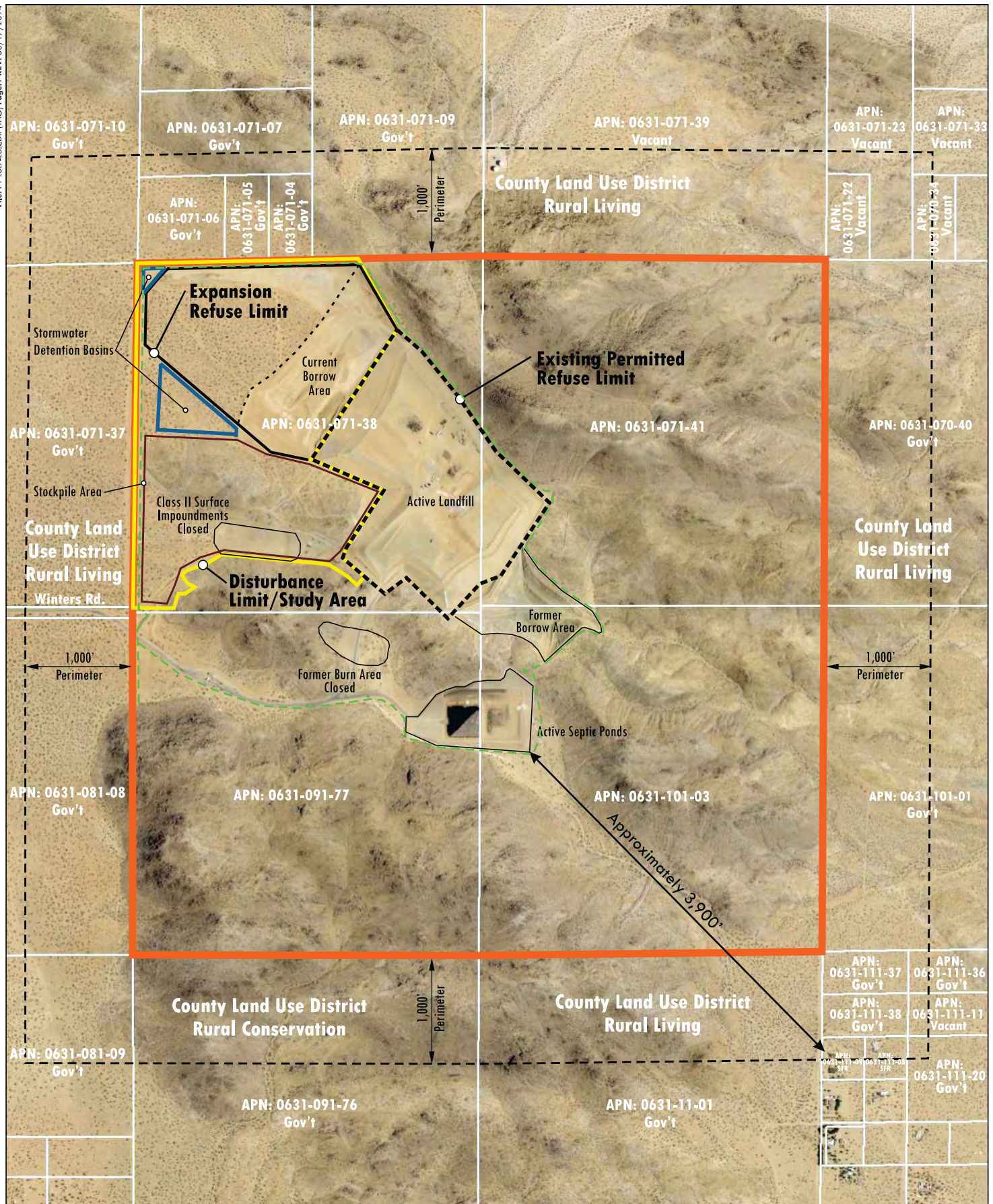
DocuSigned by:

By: _____
CAEE4779B63E4A3...

Heidi Calvert, Regional Manager
Inland Deserts Region

WJTCA Incidental Take Permit
No. 1927-ITP-2025-007-06
SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS
LANDERS SANITARY LANDFILL PROJECT



File: F:\LSUF\LSUCDR (TAG) Page: 1 REV: 06/17/2014



LILBURN
CORPORATION

- LEGEND**
- Project Boundary
 - - - Existing Desert Tortoise Fencing
 - - - - - Existing Permitted Refuse Limit
 - Expansion Disturbance Limit/Study Area
 - Expansion Refuse Limit
 - Parcel Line (white)

PROJECT SITE LIMITS OF DISTURBANCE and SURROUNDING LAND USE

LANDERS SANITARY LANDFILL
County of San Bernardino Department of Public Works
San Bernardino County, California

FIGURE 1-3



Legend

- 234 Joshua Trees
- Project Boundary
- Nondisturbance Area

Figures represent the proximal location and label of JT, but due to format restrictions some points or labels may be obscured by others. Refer to the provided KML for more accuracy

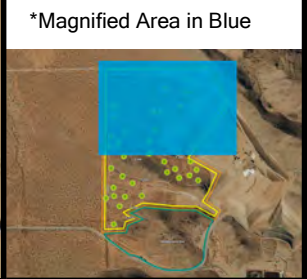
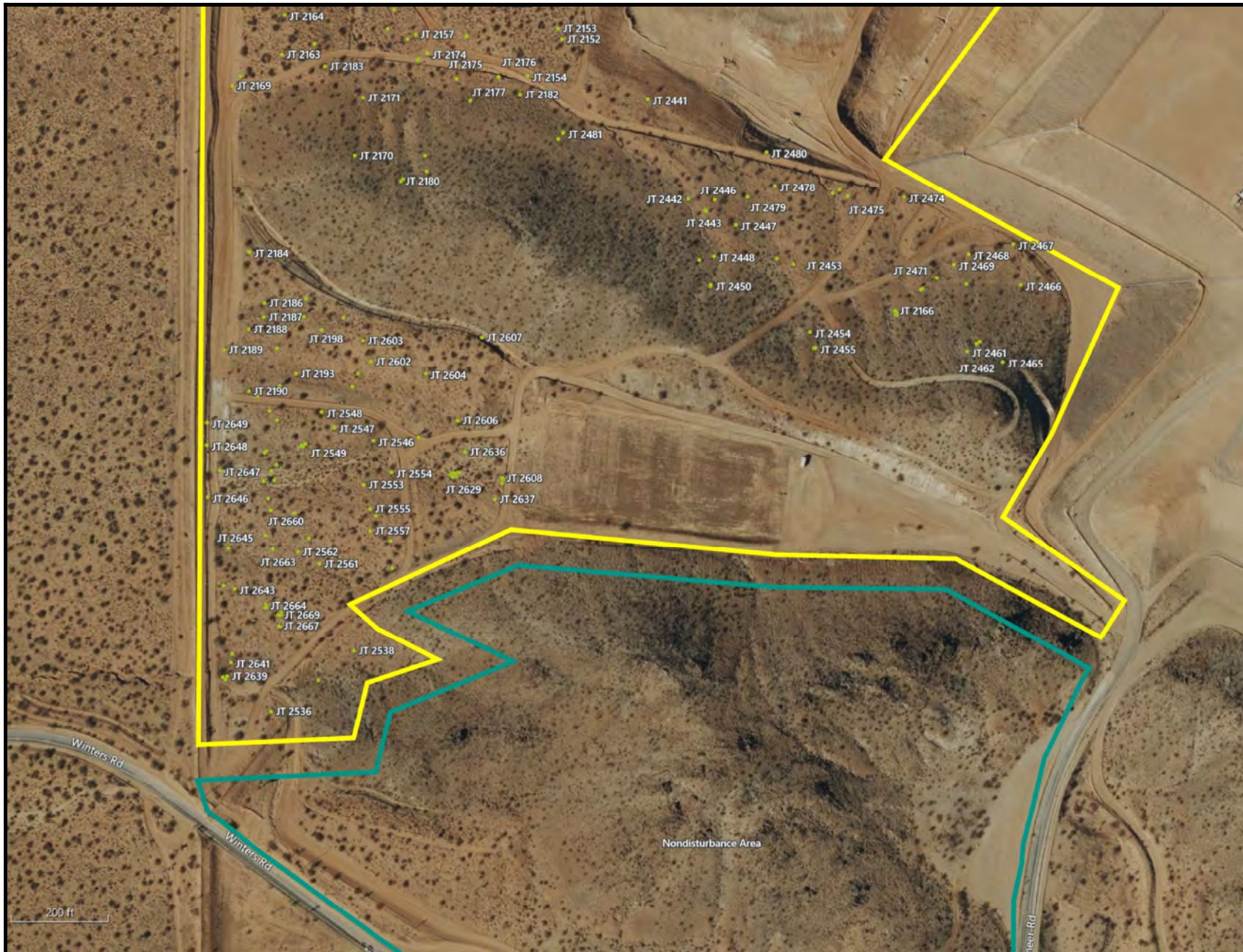


	Figure 3A: Locations of Onsite Western Joshua Tree (Magnified North)	Western Joshua Tree Census for Landers Landfill	Source: Uinta Software	
			Acreage: 125-Acres (Approximately)	
			Project #: 2023-48 JT	



Legend

- 234 Joshua Trees
- ▬ Project Boundary
- ▬ Nondisturbance Area

Figures represent the proximal location and label of JT, but due to format restrictions some points or labels may be obscured by others. Refer to the provided KML for more accuracy

*Magnified Area in Blue

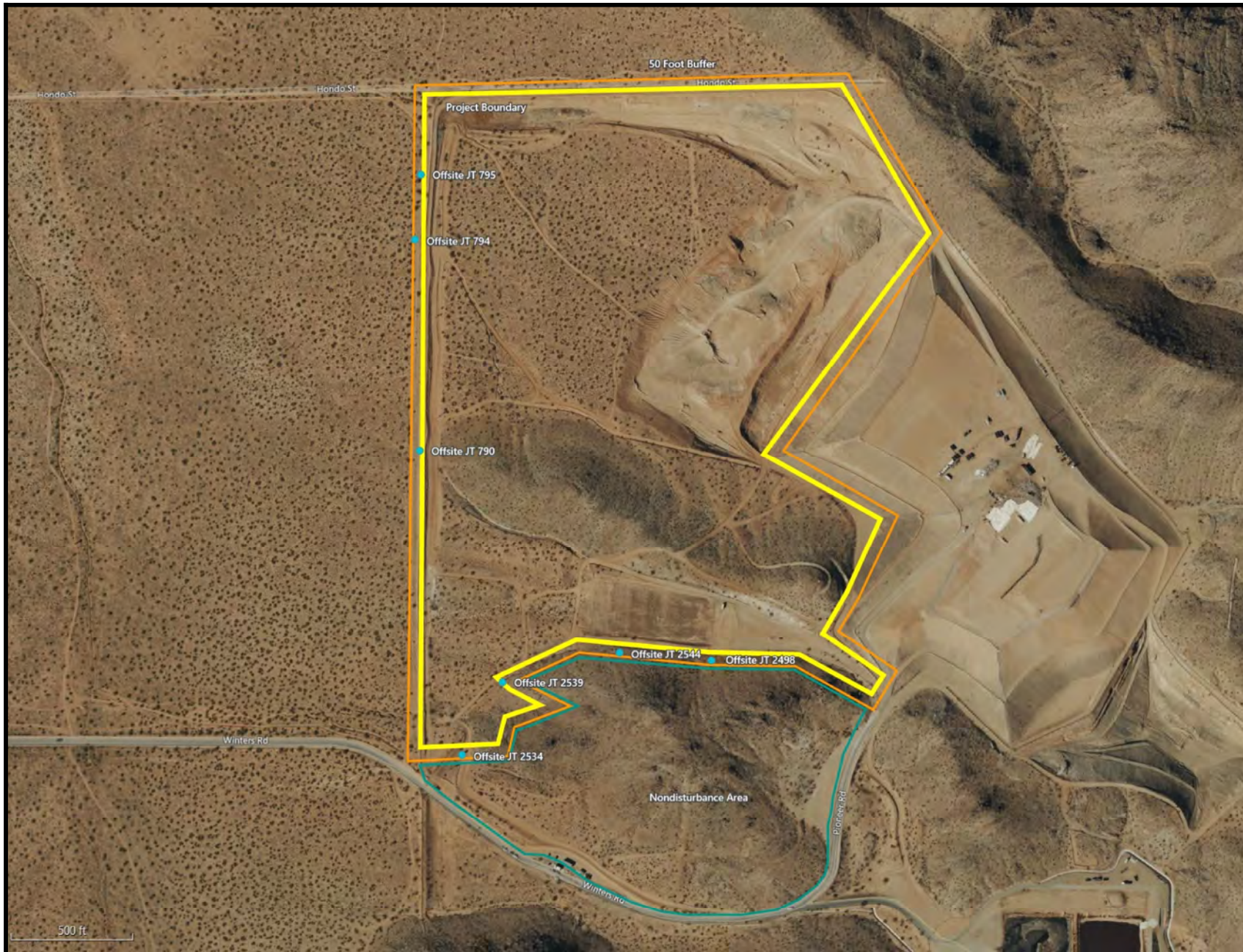


Figure 3B: Locations of Onsite Western Joshua Tree (Magnified South)

Western Joshua Tree Census for Landers Landfill

Source:	Uinta Software
Acreage:	125-Acres (Approximately)
Project #:	2023-48 JT






- ### Legend
-  50 Foot Buffer
 -  Non-Disturbance Area
 -  Project Boundary
 -  7 Offsite Joshua Tree

	Figure 4: Locations of Joshua Trees Offsite Within 50Ft/15m Buffer	Western Joshua Tree Census for Landers Landfill	Source: Uinta Software	
			Acreage: 125-Acres (Approximately)	
Project #: 2023-48 JT				

WESTERN JOSHUA TREE CENSUS

**LANDERS, CALIFORNIA
SAN BERNARDINO COUNTY
APN 0631-071-38**

Prepared for:

**Lilburn Corp.
1905 Business Center Drive
San Bernardino, CA 92408**

Prepared by:

**RCA Associates, Inc.
15555 Main Street, #D4-235
Hesperia, CA 92345
(760) 956-9212**

Biologists:

**Ryan D. Hunter, Principal Environmental Scientist & Wildlife Biologist
Brian S. Bunyi, Environmental Scientist & Wildlife Biologist**



Project No: RCA#2023-48 JT

April 26, 2024

TITLE PAGE

Date Report Prepared: April 26, 2024

Field Work Completed: December 7 & 11, 2023

Report Title: Western Joshua Tree Census

Project Location: Landers, California
APN: 0631-071-38
NW Corner: 34.24421022°, -116.37794297°
NE Corner: 34.24432581°, -116.37226205°
SW Corner: 34.23683991°, -116.37800815°
SE Corner: 34.23745378°, -116.37185637°

Datum of Coordinates: World Geodetic System 1984 (WGS 84)

Prepared For: Lilburn Corp.
1905 Business Center Drive
San Bernardino, CA 92408

Principal Investigators: Ryan D. Hunter,
Principal Environmental Scientist & Wildlife Biologist
Brian S. Bunyi,
Environmental Scientist & Wildlife Biologist

Contact Information: Randall C. Arnold, Jr.
RCA Associates, Inc.
15555 Main Street, #D4-235
Hesperia, CA 92345
(760) 596-0017
rarnold@rcaassociatesllc.com
www.rcaassociatesllc.com

Ryan D. Hunter
RCA Associates, Inc.
15555 Main Street, #D4-235
Hesperia, CA 92345
(760) 596-0017
rhunter@rcaassociatesllc.com
www.rcaassociatesllc.com

TABLE OF CONTENTS

1.0	SUMMARY	1
2.0	INTRODUCTION AND PROJECT LOCATION	2
3.0	METHODOLOGIES	3
4.0	RESULTS	4
5.0	CONCLUSIONS	32
6.0	REFERENCES	33
7.0	CERTIFICATION	34

Appendix A – Figures

Appendix B – Western Joshua Tree Photographs

Appendix C - California Fish and Game Code 1927

1.0 SUMMARY

At the request of the San Bernardino, Solid Waste Management Division, RCA Associates, Inc. surveyed an approximate 125-acre property located north of the intersection of Winters Rd. and Pioneer Rd. in the community of Landers, California (Figures 1 and 2). The properties corners are marked in figure 2 and the coordinates of the corners are displayed on the title page under location. Of the 125-acres surveyed a 30-acre portion of the property in the south will remain in perpetuity, this section will be referred to as the “Non-Disturbance Area” and all Western Joshua trees in this area will remain and not be affected by any construction activity (Figure 5 and 5A). The property site is located in Section 20 & 21, Township 2 North, Range 6 East (USGS Joshua Tree North, CA 7.5-minute quadrangle).

The purpose of the survey was to evaluate the western Joshua trees present on site and to determine possible impacts to the population in order to calculate approximate mitigation measures prior to ground disturbance. This report provides the results of the Western Joshua Tree Census performed on December 7 & 11, 2023. Following completion of the survey, RCA Associates, Inc. prepared this Western Joshua Tree Census to assist the project proponent with future planning regarding the possible relocation or removal of any Joshua trees and in applying for an Incidental Take Permit (ITP). Information on the Joshua trees is provided in Section 4.0. The State of California’s Fish and Game Code 1927 states the requirements of the Western Joshua Tree Conservation Act and is provided in Appendix B.

Based on the results of the background data search it was determined that the project site is located within the standard fee mitigation area for the Western Joshua Tree Conservation Act. Results of the field investigations yielded that there are 234 Joshua trees which occur within the boundaries of the project and 7 Joshua trees that occur within a 15-meter (~50 foot) buffer surrounding the project boundaries (Figures 3 and 4). There are 39 Joshua trees that will remain in the non-disturbance area which do not fall within 15 meters of any project activity and therefore will not be included within the total mitigation costs (Figure 5A). Based on the evaluation and analysis of each tree on-site it was determined that 54 (23.08%) Joshua trees were less than 1 meter in height, 170 (72.65%) Joshua trees were 1 meter or greater but less than 5 meters in height, 10 (4.27%) Joshua tree was 5 meters or greater in height.

2.0 INTRODUCTION AND PROJECT LOCATION

The area surveyed is located north of the intersection of Winters Rd. and Pioneer Rd. in Landers, California (APN: 0631-071-38) (Figures 1 and 2). Vacant land borders the Landers landfill in all directions. The biological resources on the site consist of a desert scrub community typical of the area which include Mojave yucca (*Yucca schidigera*), white bursage (*Ambrosia dumosa*), flatspine bur ragweed (*Ambrosia acanthicarpa*), Joshua tree (*Yucca brevifolia*), rubber rabbitbrush (*Ericameria nauseosa*), fiddleneck (*Amsinckia menziesii*) and silver cholla (*Cylindropuntia echinocarpa*).

Joshua trees occur throughout the Mojave Desert in Southern California and are typically found at an elevation of 400 to 1,800 meters (~1,200 to ~5,400 feet). Joshua trees within the western portion of the Mojave Desert typically receive more annual precipitation during “normal” years; consequently, cloning occurs more often resulting in numerous trunks sprouting from the same root system (Rowland, 1978). Joshua tree habitats provide habitat for a variety of wildlife species including desert woodrats (*Neotoma* sp.) and night lizards (*Xantusia* sp.) both of which utilize the base of the trees. A variety of birds also utilize Joshua trees for nesting such as hawks, common ravens, and cactus wrens. CDFW considers Joshua tree woodlands as areas that support relatively high species diversity and as such are considered to be a sensitive desert community. Joshua trees are also considered a significant resource under the California Environmental Quality Act (CEQA) and are included in the Desert Plant Protection Act, Food and Agricultural Code (80001 – 80006).

3.0 METHODOLOGIES

Pedestrian surveys were walked throughout the site and biologists from RCA Associates, Inc. evaluated each Joshua tree (living or dead) to determine the height, life stage, and a general health assessment. Each Joshua tree within the project boundaries received a metal numbered tag for documentation purposes and to aide in identification if future transplanting is required by CDFW. A piece of flagging was affixed to each tree while taking pictures to indicate the tree/trunk of focus. Photos of each tree can be obtained by request by contacting CDFW. The precise location, data and assessment of each tree was recorded using a Juniper Systems Cedar CT8X2 GPS tablet running Uinta software. A Nikon Forestry Pro II rangefinder was utilized to determine the extent of the property boundaries, buffer zone and accurate tree height. Those Joshua trees which occur on the property site are presented in Table 4-2-1 and the locations are provided in Figure 3. A 15-meter (~50 ft) buffer is recommended as part of the census area surrounding the project site and was physically walked and surveyed. Trees that fall within the 15-meter (~50 foot) buffer and non-disturbance area were individually tagged. Data on each tree within the buffer can be found in table 4-2-2 and the locations are provided in figure 4. Data on trees that fall within the non-disturbance area can be found in table 4-2-3 and the locations provided in figure 5. A KML with geographic data on the positions of all trees will be provided to help locate trees in projects with significant tree density and for future mapping.

4.0 RESULTS

A total of 234 Joshua trees occur within the boundaries of the property and 7 Joshua trees occur within the 15-meter (~50 foot) buffer (Figures 3 and 4). Based on the evaluation and analysis of each tree within the boundaries of the property it was determined that 54 (23.08%) Joshua trees were less than 1 meter in height, 170 (72.65%) Joshua trees were 1 meter or greater but less than 5 meters in height, and 10 (4.27%) Joshua tree was 5 meters or greater in height. A summary of all approximate mitigation fees (on-site & off-site) is located in Table 4-1. The GPS location and information on each on-site tree is provided in Table 4-2-1 and each off-site tree in table 4-2-2.

Table 4-1: Summary of Estimated mitigation fees based on “Western Joshua Tree Conservation Act Mitigation Fee Map
[\(https://experience.arcgis.com/experience/40690ac231124bccb07cbce42fc95ebd/\)](https://experience.arcgis.com/experience/40690ac231124bccb07cbce42fc95ebd/)

Reduced Mitigation Fees (within blue area) [See Section 1927.3 (d)]:	Number of trees per Size Class A, B or C (On-site)	Number of trees per Size Class A, B or C (Off-site)	Approximate Cost per Size Class (A, B or C)
(A) Trees less than 1 meter in height - \$150	N/A	N/A	N/A
(B) Trees 1 meter or greater but less than 5 meters in height - \$200	N/A	N/A	N/A
(C) Trees 5 meters or greater in height - \$1,000	N/A	N/A	N/A
Total number of trees	N/A	N/A	N/A
Approximate total mitigation cost	N/A	N/A	N/A
Standard Mitigation Fees (anywhere in state, outside blue area) [See Section 1927.3 (e)]:	Number of trees per Size Class A, B or C (On-site)	Number of trees per Size Class A, B or C (Off-site)	Approximate Cost per Size Class (A, B or C)
(A) Trees less than 1 meter in height - \$340	54	0	\$18,360
(B) Trees 1 meter or greater but less than 5 meters in height - \$500	170	7	\$88,500
(C) Trees 5 meters or greater in height - \$2,500	10	0	\$25,000
Total number of trees	234(On-site)	7 (Off-site)	241 (Total Trees)
Approximate mitigation cost	\$128,360 (On-site)	\$3,500 (Off-site)	\$131,860 (Total)

Table 4-2-1: Western Joshua Tree Census table showing On-site Joshua trees. (Note: The GPS locations of the Joshua trees are provided below along with the height and a general health assessment.) (Note: The JT numbers correspond to the tag numbers placed on the Joshua trees.)

	Number of Joshua Trees	Number of Live Joshua Trees	Number of Dead Joshua Trees	Number of Size Class "A" Joshua Trees	Number of Size Class "B" Joshua Trees	Number of Size Class "C" Joshua Trees
On-Site	234	182	52	54	170	10
Off-Site	7	5	2	0	7	0
Total	241	187	54	54	177	10

Joshua Tree	Latitude (WGS 84)	Longitude (WGS 84)	Live or Dead	Height of Tree (meters)	Size Class	Mature Tree (Branched)	Flowering or Fruiting Stage (flowers, fruits, or none)	Impact to Tree (removal, trim, relocation, other or none)	Transplantable	Will project activities be within 15 meters of tree	Relocation	Additional Notes
JT 1	34.24221725	-116.376302	Live	3.1	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2	34.24194923	-116.3767831	Live	1	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2137	34.24122817	-116.3754118	Live	3.3	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2138	34.24112617	-116.3754615	Live	3.8	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2139	34.24164533	-116.3762977	Live	3.8	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2140	34.24247167	-116.3774137	Live	4.1	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2141	34.24231867	-116.377064	Dead	1.8	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2142	34.24226817	-116.376911	Live	1.2	B	No	None	Removal	N/A	Yes	Not Applicable	

Joshua Tree	Latitude (WGS 84)	Longitude (WGS 84)	Live or Dead	Height of Tree (meters)	Size Class	Mature Tree (Branched)	Flowering or Fruiting Stage (flowers, fruits, or none)	Impact to Tree (removal, trim, relocation, other or none)	Transplantable	Will project activities be within 15 meters of tree	Relocation	Additional Notes
JT 2143	34.24275917	-116.37728	Live	3.8	B	Yes	None	Removal	N/A	Yes	Not Applicable	Lower branch
JT 2144	34.2427805	-116.3772815	Dead	1.6	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2145	34.24278617	-116.3771052	Live	3.2	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2146	34.24330917	-116.3763918	Live	3.4	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2147	34.24345467	-116.3759142	Live	3.2	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2148	34.24400167	-116.3760702	Dead	2.4	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2149	34.24384683	-116.3753728	Live	4.6	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2150	34.24333783	-116.3745932	Live	1.8	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2151	34.24363917	-116.3742232	Live	4.4	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2152	34.24083817	-116.3755315	Live	3.8	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2153	34.2408975	-116.375558	Dead	3.2	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2154	34.24063267	-116.3757653	Dead	2.3	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2155	34.24085367	-116.376184	Dead	1.5	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2156	34.241041	-116.3759917	Dead	0.9	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2157	34.24086433	-116.3765305	Live	3.5	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2158	34.24083867	-116.3765862	Live	4	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2159	34.240896	-116.3767217	Live	3	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2160	34.2410025	-116.3766775	Live	2.9	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2161	34.24107217	-116.3766167	Live	2.5	B	Yes	None	Removal	N/A	Yes	Not Applicable	Lower branch
JT 2162	34.240812	-116.3772203	Dead	2.4	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2163	34.24075217	-116.3774437	Dead	2.2	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2164	34.2409745	-116.3774238	Dead	2.1	B	Yes	None	Removal	N/A	Yes	Not Applicable	

Joshua Tree	Latitude (WGS 84)	Longitude (WGS 84)	Live or Dead	Height of Tree (meters)	Size Class	Mature Tree (Branched)	Flowering or Fruiting Stage (flowers, fruits, or none)	Impact to Tree (removal, trim, relocation, other or none)	Transplantable	Will project activities be within 15 meters of tree	Relocation	Additional Notes
JT 2165	34.24113183	-116.3775697	Live	1.3	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2166	34.2393015	-116.373259	Live	0.3	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2166	34.2410845	-116.3775812	Live	4.4	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2167	34.24108467	-116.377693	Live	3.3	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2168	34.240631	-116.3777257	Live	4.8	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2169	34.24057717	-116.3777817	Live	4.4	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2170	34.2401818	-116.3769465	Live	2.3	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2171	34.2405079	-116.3768887	Dead	2	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2172	34.2407219	-116.3765166	Live	2.8	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2173	34.2407252	-116.3765063	Live	1.7	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2174	34.2407591	-116.3764496	Dead	2.2	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2175	34.2406154	-116.3762514	Dead	1.9	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2176	34.2406265	-116.3759647	Dead	3.1	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2177	34.2404901	-116.3761563	Live	2	B	Yes	None	Removal	N/A	Yes	Not Applicable	Lower branch
JT 2178	34.2401821	-116.3764667	Live	3.3	B	Yes	None	Removal	N/A	Yes	Not Applicable	Lower branch
JT 2179	34.2400496	-116.3766155	Live	3.1	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2180	34.2400384	-116.3766316	Live	1.2	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2181	34.2400938	-116.3764546	Dead	1.5	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2182	34.2405264	-116.3758179	Live	0.4	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2183	34.2406858	-116.3771488	Live	0.6	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2184	34.2396371	-116.3776624	Live	4.3	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2185	34.2396377	-116.377671	Live	0.7	A	No	None	Removal	N/A	Yes	Not Applicable	

Joshua Tree	Latitude (WGS 84)	Longitude (WGS 84)	Live or Dead	Height of Tree (meters)	Size Class	Mature Tree (Branched)	Flowering or Fruiting Stage (flowers, fruits, or none)	Impact to Tree (removal, trim, relocation, other or none)	Transplantable	Will project activities be within 15 meters of tree	Relocation	Additional Notes
JT 2186	34.2393455	-116.3775629	Live	6.6	C	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2187	34.2392669	-116.3775667	Dead	2.3	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2188	34.2391985	-116.3776698	Live	4.2	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2189	34.2390836	-116.3778379	Live	4.4	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2190	34.2388482	-116.3776683	Dead	3.4	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2191	34.2388229	-116.3776098	Dead	1.6	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2192	34.2388787	-116.3774586	Live	5.1	C	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2193	34.2389461	-116.3773472	Dead	2	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2194	34.2390924	-116.3774772	Dead	2.4	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2195	34.2392688	-116.3772922	Live	3.9	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2196	34.2393706	-116.3772799	Live	3.8	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2197	34.2392633	-116.3770236	Dead	2.8	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2198	34.2391945	-116.3771733	Live	2.5	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2199	34.2389325	-116.3771548	Dead	1.5	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2200	34.2388741	-116.3769624	Dead	2.1	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2423	34.24145467	-116.3751692	Dead	1.4	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2424	34.24177617	-116.3753942	Live	5.2	C	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2425	34.2422055	-116.375757	Live	4	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2426	34.24222317	-116.3752855	Live	3.3	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2427	34.24219833	-116.3750278	Live	3.2	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2428	34.24224583	-116.3748503	Live	4.5	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2429	34.24223933	-116.3748467	Live	0.1	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2430	34.24224833	-116.3748477	Live	0.2	A	No	None	Removal	N/A	Yes	Not Applicable	

Joshua Tree	Latitude (WGS 84)	Longitude (WGS 84)	Live or Dead	Height of Tree (meters)	Size Class	Mature Tree (Branched)	Flowering or Fruiting Stage (flowers, fruits, or none)	Impact to Tree (removal, trim, relocation, other or none)	Transplantable	Will project activities be within 15 meters of tree	Relocation	Additional Notes
JT 2431	34.24224317	-116.3748448	Live	0.1	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2432	34.24250467	-116.3737442	Live	4.4	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2433	34.24277983	-116.3740515	Live	2.4	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2434	34.2428	-116.373866	Live	2.8	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2435	34.24313483	-116.3736448	Live	5	C	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2436	34.24317117	-116.3735135	Live	2	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2437	34.24313433	-116.3731985	Live	2.5	B	Yes	None	Removal	N/A	Yes	Not Applicable	Lower branch
JT 2438	34.24313733	-116.3731968	Live	0.9	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2439	34.24314033	-116.3732072	Live	0.3	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2440	34.2435	-116.3739038	Live	1.8	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2441	34.24049867	-116.3749463	Live	4.4	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2442	34.23993733	-116.3746698	Live	3	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2443	34.23986667	-116.3745488	Live	3	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2444	34.2398715	-116.3745557	Live	1	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2445	34.2398745	-116.3745528	Live	0.2	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2446	34.239932	-116.3744898	Live	0.9	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2447	34.2397895	-116.3743455	Dead	2.2	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2448	34.23961217	-116.3744948	Dead	0.3	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2449	34.23959067	-116.3745953	Dead	1.8	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2450	34.23944717	-116.374517	Dead	1.1	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2451	34.239439	-116.37452	Live	1.1	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2452	34.23959967	-116.3740663	Dead	3.3	B	Yes	None	Removal	N/A	Yes	Not Applicable	

Joshua Tree	Latitude (WGS 84)	Longitude (WGS 84)	Live or Dead	Height of Tree (meters)	Size Class	Mature Tree (Branched)	Flowering or Fruiting Stage (flowers, fruits, or none)	Impact to Tree (removal, trim, relocation, other or none)	Transplantable	Will project activities be within 15 meters of tree	Relocation	Additional Notes
JT 2453	34.23956667	-116.3739538	Dead	3.9	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2454	34.23918317	-116.3738393	Live	2.3	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2455	34.23909317	-116.3738025	Live	2	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2456	34.23909367	-116.3738128	Live	0.2	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2457	34.23929033	-116.373248	Live	2.3	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2459	34.2392845	-116.3732565	Live	0.3	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2460	34.23928083	-116.3732452	Live	0.3	A	Yes	None	Removal	N/A	Yes	Not Applicable	Lower branches
JT 2461	34.23907367	-116.372767	Live	0.6	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2462	34.23905417	-116.3727167	Dead	0.3	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2463	34.23911817	-116.3727038	Live	0.5	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2464	34.23912833	-116.3726823	Live	1.9	B	Yes	None	Removal	N/A	Yes	Not Applicable	Lower branch
JT 2465	34.2390135	-116.3725253	Live	0.4	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2466	34.2394465	-116.3724022	Live	3.4	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2467	34.23968017	-116.3724522	Live	3.2	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2468	34.23962367	-116.3727575	Dead	1.7	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2469	34.23956433	-116.3728578	Live	1.4	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2470	34.23945183	-116.3727727	Live	3.2	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2471	34.23948767	-116.3729752	Live	2.4	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2472	34.239421	-116.3730833	Live	2.1	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2473	34.23942533	-116.373072	Live	0.6	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2474	34.2399475	-116.3731975	Live	2.1	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2475	34.23995283	-116.373583	Live	3.4	B	Yes	None	Removal	N/A	Yes	Not Applicable	

Joshua Tree	Latitude (WGS 84)	Longitude (WGS 84)	Live or Dead	Height of Tree (meters)	Size Class	Mature Tree (Branched)	Flowering or Fruiting Stage (flowers, fruits, or none)	Impact to Tree (removal, trim, relocation, other or none)	Transplantable	Will project activities be within 15 meters of tree	Relocation	Additional Notes
JT 2476	34.23998967	-116.3736375	Live	3.9	B	Yes	None	Removal	N/A	Yes	Not Applicable	Lower branch
JT 2477	34.23996883	-116.3736855	Live	3.4	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2478	34.24001	-116.374079	Live	5	C	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2479	34.23994883	-116.3742653	Live	2.3	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2480	34.24020133	-116.374137	Live	4.1	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2481	34.24030917	-116.3755238	Live	2.6	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2482	34.24031133	-116.3755255	Live	0.4	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2483	34.240313	-116.375525	Live	0.4	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2484	34.2402758	-116.3755571	Dead	1	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2485	34.2412845	-116.376883	Live	1.8	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2486	34.2412686	-116.3770981	Live	2.9	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2487	34.2413553	-116.3773143	Live	2.3	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2488	34.2413027	-116.3774802	Live	2	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2489	34.2413546	-116.3775365	Live	4	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2490	34.2417214	-116.377808	Live	5.1	C	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2491	34.2418859	-116.3776149	Live	3.4	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2492	34.2419884	-116.3775595	Live	2.5	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2493	34.241776	-116.377613	Live	2.1	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2494	34.2416845	-116.3771945	Live	1.1	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2495	34.2414873	-116.3770499	Live	3.3	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2496	34.2414467	-116.3768835	Live	1.4	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2497	34.2415663	-116.376726	Live	2.2	B	Yes	None	Removal	N/A	Yes	Not Applicable	

Joshua Tree	Latitude (WGS 84)	Longitude (WGS 84)	Live or Dead	Height of Tree (meters)	Size Class	Mature Tree (Branched)	Flowering or Fruiting Stage (flowers, fruits, or none)	Impact to Tree (removal, trim, relocation, other or none)	Transplantable	Will project activities be within 15 meters of tree	Relocation	Additional Notes
JT 2536	34.23704417	-116.3775168	Dead	3.4	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2537	34.23721817	-116.3771938	Live	2.4	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2538	34.23738483	-116.3769512	Dead	3.2	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2546	34.23857083	-116.3768188	Dead	4.2	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2547	34.238646	-116.3770852	Live	2.8	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2548	34.238732	-116.3771712	Dead	3.2	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2549	34.238553	-116.3772835	Live	2.5	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2550	34.23854533	-116.3773067	Live	2.6	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2551	34.23853883	-116.377298	Live	0.4	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2552	34.2385385	-116.3773133	Live	0.4	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2553	34.23831983	-116.3768848	Live	3	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2554	34.23839067	-116.3766955	Dead	3.3	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2555	34.2381855	-116.3768405	Live	4.2	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2556	34.238148	-116.3768002	Live	3.6	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2557	34.23806233	-116.3768412	Live	1.3	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2558	34.23807933	-116.3766527	Live	4.3	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2559	34.23800633	-116.376701	Dead	3.7	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2560	34.23785033	-116.37669	Dead	1.5	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2561	34.23787417	-116.3771867	Live	4	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2562	34.2379415	-116.377334	Live	1	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2563	34.23802	-116.3772592	Live	3.1	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2601	34.2389466	-116.3769231	Dead	1.2	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2602	34.2390168	-116.3768357	Dead	2.9	B	Yes	None	Removal	N/A	Yes	Not Applicable	

Joshua Tree	Latitude (WGS 84)	Longitude (WGS 84)	Live or Dead	Height of Tree (meters)	Size Class	Mature Tree (Branched)	Flowering or Fruiting Stage (flowers, fruits, or none)	Impact to Tree (removal, trim, relocation, other or none)	Transplantable	Will project activities be within 15 meters of tree	Relocation	Additional Notes
JT 2603	34.2391346	-116.3768896	Live	3.7	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2604	34.2389468	-116.3764623	Dead	3.6	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2605	34.2385887	-116.3765112	Live	4.1	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2606	34.2386844	-116.376243	Dead	1.4	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2607	34.2391525	-116.3760772	Dead	0.8	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2608	34.2383578	-116.3759407	Live	4	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2609	34.2383297	-116.3759412	Live	0.3	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2610	34.2383585	-116.3759422	Live	0.1	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2611	34.2383562	-116.3759331	Live	0.2	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2612	34.238347	-116.375935	Live	0.2	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2613	34.2383652	-116.3762769	Live	4.1	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2614	34.2383851	-116.3762666	Live	0.5	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2615	34.2383885	-116.3762335	Live	0.5	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2616	34.2383881	-116.3762464	Live	0.4	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2617	34.2383731	-116.3762542	Live	0.3	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2618	34.2383722	-116.376256	Live	1	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2619	34.2383829	-116.3762834	Live	1.2	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2620	34.2383834	-116.3762771	Live	0.3	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2621	34.2383856	-116.376275	Live	0.1	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2622	34.2383728	-116.3762827	Live	0.2	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2623	34.2383709	-116.3762834	Live	0.3	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2624	34.2383761	-116.3762922	Live	0.3	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2625	34.2383677	-116.376267	Live	0.4	A	No	None	Removal	N/A	Yes	Not Applicable	

Joshua Tree	Latitude (WGS 84)	Longitude (WGS 84)	Live or Dead	Height of Tree (meters)	Size Class	Mature Tree (Branched)	Flowering or Fruiting Stage (flowers, fruits, or none)	Impact to Tree (removal, trim, relocation, other or none)	Transplantable	Will project activities be within 15 meters of tree	Relocation	Additional Notes
JT 2626	34.238374	-116.3762759	Live	0.2	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2627	34.2383723	-116.3762739	Live	0.2	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2628	34.2383739	-116.3762606	Live	0.3	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2629	34.2383766	-116.3762911	Live	0.2	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2630	34.2383684	-116.3762829	Live	0.2	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2631	34.2383707	-116.3762574	Live	0.2	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2632	34.2383783	-116.3762544	Live	0.1	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2633	34.2383802	-116.3762585	Live	0.1	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2634	34.238378	-116.3762586	Live	0.1	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2635	34.2383738	-116.3762563	Live	0.3	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2636	34.2385084	-116.376193	Live	1.1	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2637	34.2382402	-116.3759895	Dead	1.6	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2638	34.237223	-116.3778273	Live	3.2	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2639	34.23724133	-116.3778172	Live	1.5	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2640	34.237235	-116.3778452	Live	2.1	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2641	34.237319	-116.3777915	Live	3.8	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2642	34.23736617	-116.3777812	Live	2.1	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2643	34.237735	-116.3777658	Dead	4.5	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2644	34.23775267	-116.377842	Live	5.1	C	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2645	34.23796267	-116.377808	Dead	2	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2646	34.23825117	-116.3779495	Live	3.7	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2647	34.2384	-116.3778663	Live	4.4	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2648	34.23854633	-116.3779552	Live	3.9	B	Yes	None	Removal	N/A	Yes	Not Applicable	

Joshua Tree	Latitude (WGS 84)	Longitude (WGS 84)	Live or Dead	Height of Tree (meters)	Size Class	Mature Tree (Branched)	Flowering or Fruiting Stage (flowers, fruits, or none)	Impact to Tree (removal, trim, relocation, other or none)	Transplantable	Will project activities be within 15 meters of tree	Relocation	Additional Notes
JT 2649	34.23867267	-116.3779527	Live	4	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2650	34.23873767	-116.3775278	Live	2.7	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2651	34.23868683	-116.3774768	Dead	0.8	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2652	34.23850333	-116.3775593	Dead	2.9	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2653	34.2385115	-116.377551	Dead	1.2	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2654	34.238399	-116.3775145	Live	5	C	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2655	34.23843217	-116.37748	Live	2.9	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2656	34.23834733	-116.3774945	Live	1.1	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2657	34.23834067	-116.377568	Live	4.1	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2658	34.2383435	-116.3775687	Live	2.6	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2659	34.238244	-116.3775368	Live	2.8	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2660	34.23817767	-116.3775192	Live	5.1	C	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2661	34.2381615	-116.377358	Live	3.6	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2662	34.2380365	-116.3775527	Live	4.4	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2663	34.23795717	-116.3775053	Live	3.1	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2664	34.2376485	-116.3775533	Live	5	C	Yes	None	Removal	N/A	Yes	Not Applicable	Lower branch
JT 2665	34.2376315	-116.3775473	Live	0.9	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2666	34.23762783	-116.3775558	Live	0.4	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2667	34.23752533	-116.377463	Live	4	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2668	34.23752083	-116.3774562	Live	1.1	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2669	34.23758733	-116.3774587	Dead	2	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2670	34.23758783	-116.377449	Live	4.3	B	Yes	None	Removal	N/A	Yes	Not Applicable	

Joshua Tree	Latitude (WGS 84)	Longitude (WGS 84)	Live or Dead	Height of Tree (meters)	Size Class	Mature Tree (Branched)	Flowering or Fruiting Stage (flowers, fruits, or none)	Impact to Tree (removal, trim, relocation, other or none)	Transplantable	Will project activities be within 15 meters of tree	Relocation	Additional Notes
JT 2671	34.23760033	-116.3774473	Live	1.8	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2672	34.23758817	-116.3774678	Live	0.4	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 1	34.24221725	-116.376302	Live	3.1	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2	34.24194923	-116.3767831	Live	1	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2137	34.24122817	-116.3754118	Live	3.3	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2138	34.24112617	-116.3754615	Live	3.8	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2139	34.24164533	-116.3762977	Live	3.8	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2140	34.24247167	-116.3774137	Live	4.1	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2141	34.24231867	-116.377064	Dead	1.8	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2142	34.24226817	-116.376911	Live	1.2	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2143	34.24275917	-116.37728	Live	3.8	B	Yes	None	Removal	N/A	Yes	Not Applicable	Lower branch
JT 2144	34.2427805	-116.3772815	Dead	1.6	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2145	34.24278617	-116.3771052	Live	3.2	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2146	34.24330917	-116.3763918	Live	3.4	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2147	34.24345467	-116.3759142	Live	3.2	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2148	34.24400167	-116.3760702	Dead	2.4	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2149	34.24384683	-116.3753728	Live	4.6	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2150	34.24333783	-116.3745932	Live	1.8	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2151	34.24363917	-116.3742232	Live	4.4	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2152	34.24083817	-116.3755315	Live	3.8	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2153	34.2408975	-116.375558	Dead	3.2	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2154	34.24063267	-116.3757653	Dead	2.3	B	Yes	None	Removal	N/A	Yes	Not Applicable	

Joshua Tree	Latitude (WGS 84)	Longitude (WGS 84)	Live or Dead	Height of Tree (meters)	Size Class	Mature Tree (Branched)	Flowering or Fruiting Stage (flowers, fruits, or none)	Impact to Tree (removal, trim, relocation, other or none)	Transplantable	Will project activities be within 15 meters of tree	Relocation	Additional Notes
JT 2155	34.24085367	-116.376184	Dead	1.5	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2156	34.241041	-116.3759917	Dead	0.9	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2157	34.24086433	-116.3765305	Live	3.5	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2158	34.24083867	-116.3765862	Live	4	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2159	34.240896	-116.3767217	Live	3	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2160	34.2410025	-116.3766775	Live	2.9	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2161	34.24107217	-116.3766167	Live	2.5	B	Yes	None	Removal	N/A	Yes	Not Applicable	Lower branch
JT 2162	34.240812	-116.3772203	Dead	2.4	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2163	34.24075217	-116.3774437	Dead	2.2	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2164	34.2409745	-116.3774238	Dead	2.1	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2165	34.24113183	-116.3775697	Live	1.3	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2166	34.2393015	-116.373259	Live	0.3	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2166	34.2410845	-116.3775812	Live	4.4	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2167	34.24108467	-116.377693	Live	3.3	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2168	34.240631	-116.3777257	Live	4.8	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2169	34.24057717	-116.3777817	Live	4.4	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2170	34.2401818	-116.3769465	Live	2.3	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2171	34.2405079	-116.3768887	Dead	2	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2172	34.2407219	-116.3765166	Live	2.8	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2173	34.2407252	-116.3765063	Live	1.7	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2174	34.2407591	-116.3764496	Dead	2.2	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2175	34.2406154	-116.3762514	Dead	1.9	B	Yes	None	Removal	N/A	Yes	Not Applicable	

Joshua Tree	Latitude (WGS 84)	Longitude (WGS 84)	Live or Dead	Height of Tree (meters)	Size Class	Mature Tree (Branched)	Flowering or Fruiting Stage (flowers, fruits, or none)	Impact to Tree (removal, trim, relocation, other or none)	Transplantable	Will project activities be within 15 meters of tree	Relocation	Additional Notes
JT 2176	34.2406265	-116.3759647	Dead	3.1	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2177	34.2404901	-116.3761563	Live	2	B	Yes	None	Removal	N/A	Yes	Not Applicable	Lower branch
JT 2178	34.2401821	-116.3764667	Live	3.3	B	Yes	None	Removal	N/A	Yes	Not Applicable	Lower branch
JT 2179	34.2400496	-116.3766155	Live	3.1	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2180	34.2400384	-116.3766316	Live	1.2	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2181	34.2400938	-116.3764546	Dead	1.5	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2182	34.2405264	-116.3758179	Live	0.4	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2183	34.2406858	-116.3771488	Live	0.6	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2184	34.2396371	-116.3776624	Live	4.3	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2185	34.2396377	-116.377671	Live	0.7	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2186	34.2393455	-116.3775629	Live	6.6	C	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2187	34.2392669	-116.3775667	Dead	2.3	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2188	34.2391985	-116.3776698	Live	4.2	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2189	34.2390836	-116.3778379	Live	4.4	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2190	34.2388482	-116.3776683	Dead	3.4	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2191	34.2388229	-116.3776098	Dead	1.6	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2192	34.2388787	-116.3774586	Live	5.1	C	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2193	34.2389461	-116.3773472	Dead	2	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2194	34.2390924	-116.3774772	Dead	2.4	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2195	34.2392688	-116.3772922	Live	3.9	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2196	34.2393706	-116.3772799	Live	3.8	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2197	34.2392633	-116.3770236	Dead	2.8	B	Yes	None	Removal	N/A	Yes	Not Applicable	

Joshua Tree	Latitude (WGS 84)	Longitude (WGS 84)	Live or Dead	Height of Tree (meters)	Size Class	Mature Tree (Branched)	Flowering or Fruiting Stage (flowers, fruits, or none)	Impact to Tree (removal, trim, relocation, other or none)	Transplantable	Will project activities be within 15 meters of tree	Relocation	Additional Notes
JT 2198	34.2391945	-116.3771733	Live	2.5	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2199	34.2389325	-116.3771548	Dead	1.5	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2200	34.2388741	-116.3769624	Dead	2.1	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2423	34.24145467	-116.3751692	Dead	1.4	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2424	34.24177617	-116.3753942	Live	5.2	C	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2425	34.2422055	-116.375757	Live	4	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2426	34.24222317	-116.3752855	Live	3.3	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2427	34.24219833	-116.3750278	Live	3.2	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2428	34.24224583	-116.3748503	Live	4.5	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2429	34.24223933	-116.3748467	Live	0.1	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2430	34.24224833	-116.3748477	Live	0.2	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2431	34.24224317	-116.3748448	Live	0.1	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2432	34.24250467	-116.3737442	Live	4.4	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2433	34.24277983	-116.3740515	Live	2.4	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2434	34.2428	-116.373866	Live	2.8	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2435	34.24313483	-116.3736448	Live	5	C	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2436	34.24317117	-116.3735135	Live	2	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2437	34.24313433	-116.3731985	Live	2.5	B	Yes	None	Removal	N/A	Yes	Not Applicable	Lower branch
JT 2438	34.24313733	-116.3731968	Live	0.9	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2439	34.24314033	-116.3732072	Live	0.3	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2440	34.2435	-116.3739038	Live	1.8	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2441	34.24049867	-116.3749463	Live	4.4	B	Yes	None	Removal	N/A	Yes	Not Applicable	

Joshua Tree	Latitude (WGS 84)	Longitude (WGS 84)	Live or Dead	Height of Tree (meters)	Size Class	Mature Tree (Branched)	Flowering or Fruiting Stage (flowers, fruits, or none)	Impact to Tree (removal, trim, relocation, other or none)	Transplantable	Will project activities be within 15 meters of tree	Relocation	Additional Notes
JT 2442	34.23993733	-116.3746698	Live	3	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2443	34.23986667	-116.3745488	Live	3	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2444	34.2398715	-116.3745557	Live	1	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2445	34.2398745	-116.3745528	Live	0.2	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2446	34.239932	-116.3744898	Live	0.9	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2447	34.2397895	-116.3743455	Dead	2.2	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2448	34.23961217	-116.3744948	Dead	0.3	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2449	34.23959067	-116.3745953	Dead	1.8	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2450	34.23944717	-116.374517	Dead	1.1	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2451	34.239439	-116.37452	Live	1.1	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2452	34.23959967	-116.3740663	Dead	3.3	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2453	34.23956667	-116.3739538	Dead	3.9	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2454	34.23918317	-116.3738393	Live	2.3	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2455	34.23909317	-116.3738025	Live	2	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2456	34.23909367	-116.3738128	Live	0.2	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2457	34.23929033	-116.373248	Live	2.3	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2459	34.2392845	-116.3732565	Live	0.3	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2460	34.23928083	-116.3732452	Live	0.3	A	Yes	None	Removal	N/A	Yes	Not Applicable	Lower branches
JT 2461	34.23907367	-116.372767	Live	0.6	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2462	34.23905417	-116.3727167	Dead	0.3	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2463	34.23911817	-116.3727038	Live	0.5	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2464	34.23912833	-116.3726823	Live	1.9	B	Yes	None	Removal	N/A	Yes	Not Applicable	Lower branch

Joshua Tree	Latitude (WGS 84)	Longitude (WGS 84)	Live or Dead	Height of Tree (meters)	Size Class	Mature Tree (Branched)	Flowering or Fruiting Stage (flowers, fruits, or none)	Impact to Tree (removal, trim, relocation, other or none)	Transplantable	Will project activities be within 15 meters of tree	Relocation	Additional Notes
JT 2465	34.2390135	-116.3725253	Live	0.4	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2466	34.2394465	-116.3724022	Live	3.4	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2467	34.23968017	-116.3724522	Live	3.2	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2468	34.23962367	-116.3727575	Dead	1.7	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2469	34.23956433	-116.3728578	Live	1.4	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2470	34.23945183	-116.3727727	Live	3.2	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2471	34.23948767	-116.3729752	Live	2.4	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2472	34.239421	-116.3730833	Live	2.1	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2473	34.23942533	-116.373072	Live	0.6	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2474	34.2399475	-116.3731975	Live	2.1	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2475	34.23995283	-116.373583	Live	3.4	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2476	34.23998967	-116.3736375	Live	3.9	B	Yes	None	Removal	N/A	Yes	Not Applicable	Lower branch
JT 2477	34.23996883	-116.3736855	Live	3.4	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2478	34.24001	-116.374079	Live	5	C	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2479	34.23994883	-116.3742653	Live	2.3	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2480	34.24020133	-116.374137	Live	4.1	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2481	34.24030917	-116.3755238	Live	2.6	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2482	34.24031133	-116.3755255	Live	0.4	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2483	34.240313	-116.375525	Live	0.4	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2484	34.2402758	-116.3755571	Dead	1	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2485	34.2412845	-116.376883	Live	1.8	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2486	34.2412686	-116.3770981	Live	2.9	B	Yes	None	Removal	N/A	Yes	Not Applicable	

Joshua Tree	Latitude (WGS 84)	Longitude (WGS 84)	Live or Dead	Height of Tree (meters)	Size Class	Mature Tree (Branched)	Flowering or Fruiting Stage (flowers, fruits, or none)	Impact to Tree (removal, trim, relocation, other or none)	Transplantable	Will project activities be within 15 meters of tree	Relocation	Additional Notes
JT 2487	34.2413553	-116.3773143	Live	2.3	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2488	34.2413027	-116.3774802	Live	2	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2489	34.2413546	-116.3775365	Live	4	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2490	34.2417214	-116.377808	Live	5.1	C	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2491	34.2418859	-116.3776149	Live	3.4	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2492	34.2419884	-116.3775595	Live	2.5	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2493	34.241776	-116.377613	Live	2.1	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2494	34.2416845	-116.3771945	Live	1.1	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2495	34.2414873	-116.3770499	Live	3.3	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2496	34.2414467	-116.3768835	Live	1.4	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2497	34.2415663	-116.376726	Live	2.2	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2536	34.23704417	-116.3775168	Dead	3.4	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2537	34.23721817	-116.3771938	Live	2.4	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2538	34.23738483	-116.3769512	Dead	3.2	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2546	34.23857083	-116.3768188	Dead	4.2	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2547	34.238646	-116.3770852	Live	2.8	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2548	34.238732	-116.3771712	Dead	3.2	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2549	34.238553	-116.3772835	Live	2.5	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2550	34.23854533	-116.3773067	Live	2.6	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2551	34.23853883	-116.377298	Live	0.4	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2552	34.2385385	-116.3773133	Live	0.4	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2553	34.23831983	-116.3768848	Live	3	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2554	34.23839067	-116.3766955	Dead	3.3	B	Yes	None	Removal	N/A	Yes	Not Applicable	

Joshua Tree	Latitude (WGS 84)	Longitude (WGS 84)	Live or Dead	Height of Tree (meters)	Size Class	Mature Tree (Branched)	Flowering or Fruiting Stage (flowers, fruits, or none)	Impact to Tree (removal, trim, relocation, other or none)	Transplantable	Will project activities be within 15 meters of tree	Relocation	Additional Notes
JT 2555	34.2381855	-116.3768405	Live	4.2	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2556	34.238148	-116.3768002	Live	3.6	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2557	34.23806233	-116.3768412	Live	1.3	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2558	34.23807933	-116.3766527	Live	4.3	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2559	34.23800633	-116.376701	Dead	3.7	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2560	34.23785033	-116.37669	Dead	1.5	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2561	34.23787417	-116.3771867	Live	4	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2562	34.2379415	-116.377334	Live	1	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2563	34.23802	-116.3772592	Live	3.1	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2601	34.2389466	-116.3769231	Dead	1.2	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2602	34.2390168	-116.3768357	Dead	2.9	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2603	34.2391346	-116.3768896	Live	3.7	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2604	34.2389468	-116.3764623	Dead	3.6	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2605	34.2385887	-116.3765112	Live	4.1	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2606	34.2386844	-116.376243	Dead	1.4	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2607	34.2391525	-116.3760772	Dead	0.8	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2608	34.2383578	-116.3759407	Live	4	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2609	34.2383297	-116.3759412	Live	0.3	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2610	34.2383585	-116.3759422	Live	0.1	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2611	34.2383562	-116.3759331	Live	0.2	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2612	34.238347	-116.375935	Live	0.2	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2613	34.2383652	-116.3762769	Live	4.1	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2614	34.2383851	-116.3762666	Live	0.5	A	No	None	Removal	N/A	Yes	Not Applicable	

Joshua Tree	Latitude (WGS 84)	Longitude (WGS 84)	Live or Dead	Height of Tree (meters)	Size Class	Mature Tree (Branched)	Flowering or Fruiting Stage (flowers, fruits, or none)	Impact to Tree (removal, trim, relocation, other or none)	Transplantable	Will project activities be within 15 meters of tree	Relocation	Additional Notes
JT 2615	34.2383885	-116.3762335	Live	0.5	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2616	34.2383881	-116.3762464	Live	0.4	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2617	34.2383731	-116.3762542	Live	0.3	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2618	34.2383722	-116.376256	Live	1	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2619	34.2383829	-116.3762834	Live	1.2	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2620	34.2383834	-116.3762771	Live	0.3	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2621	34.2383856	-116.376275	Live	0.1	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2622	34.2383728	-116.3762827	Live	0.2	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2623	34.2383709	-116.3762834	Live	0.3	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2624	34.2383761	-116.3762922	Live	0.3	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2625	34.2383677	-116.376267	Live	0.4	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2626	34.238374	-116.3762759	Live	0.2	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2627	34.2383723	-116.3762739	Live	0.2	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2628	34.2383739	-116.3762606	Live	0.3	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2629	34.2383766	-116.3762911	Live	0.2	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2630	34.2383684	-116.3762829	Live	0.2	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2631	34.2383707	-116.3762574	Live	0.2	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2632	34.2383783	-116.3762544	Live	0.1	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2633	34.2383802	-116.3762585	Live	0.1	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2634	34.238378	-116.3762586	Live	0.1	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2635	34.2383738	-116.3762563	Live	0.3	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2636	34.2385084	-116.376193	Live	1.1	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2637	34.2382402	-116.3759895	Dead	1.6	B	No	None	Removal	N/A	Yes	Not Applicable	

Joshua Tree	Latitude (WGS 84)	Longitude (WGS 84)	Live or Dead	Height of Tree (meters)	Size Class	Mature Tree (Branched)	Flowering or Fruiting Stage (flowers, fruits, or none)	Impact to Tree (removal, trim, relocation, other or none)	Transplantable	Will project activities be within 15 meters of tree	Relocation	Additional Notes
JT 2638	34.237223	-116.3778273	Live	3.2	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2639	34.23724133	-116.3778172	Live	1.5	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2640	34.237235	-116.3778452	Live	2.1	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2641	34.237319	-116.3777915	Live	3.8	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2642	34.23736617	-116.3777812	Live	2.1	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2643	34.237735	-116.3777658	Dead	4.5	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2644	34.23775267	-116.3777842	Live	5.1	C	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2645	34.23796267	-116.377808	Dead	2	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2646	34.23825117	-116.3779495	Live	3.7	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2647	34.2384	-116.3778663	Live	4.4	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2648	34.23854633	-116.3779552	Live	3.9	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2649	34.23867267	-116.3779527	Live	4	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2650	34.23873767	-116.3775278	Live	2.7	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2651	34.23868683	-116.3774768	Dead	0.8	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2652	34.23850333	-116.3775593	Dead	2.9	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2653	34.2385115	-116.377551	Dead	1.2	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2654	34.238399	-116.3775145	Live	5	C	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2655	34.23843217	-116.37748	Live	2.9	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2656	34.23834733	-116.3774945	Live	1.1	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2657	34.23834067	-116.377568	Live	4.1	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2658	34.2383435	-116.3775687	Live	2.6	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2659	34.238244	-116.3775368	Live	2.8	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2660	34.23817767	-116.3775192	Live	5.1	C	Yes	None	Removal	N/A	Yes	Not Applicable	

Joshua Tree	Latitude (WGS 84)	Longitude (WGS 84)	Live or Dead	Height of Tree (meters)	Size Class	Mature Tree (Branched)	Flowering or Fruiting Stage (flowers, fruits, or none)	Impact to Tree (removal, trim, relocation, other or none)	Transplantable	Will project activities be within 15 meters of tree	Relocation	Additional Notes
JT 2661	34.2381615	-116.377358	Live	3.6	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2662	34.2380365	-116.3775527	Live	4.4	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2663	34.23795717	-116.3775053	Live	3.1	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2664	34.2376485	-116.3775533	Live	5	C	Yes	None	Removal	N/A	Yes	Not Applicable	Lower branch
JT 2665	34.2376315	-116.3775473	Live	0.9	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2666	34.23762783	-116.3775558	Live	0.4	A	No	None	Removal	N/A	Yes	Not Applicable	
JT 2667	34.23752533	-116.377463	Live	4	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2668	34.23752083	-116.3774562	Live	1.1	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2669	34.23758733	-116.3774587	Dead	2	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2670	34.23758783	-116.377449	Live	4.3	B	Yes	None	Removal	N/A	Yes	Not Applicable	
JT 2671	34.23760033	-116.3774473	Live	1.8	B	No	None	Removal	N/A	Yes	Not Applicable	
JT 2672	34.23758817	-116.3774678	Live	0.4	A	No	None	Removal	N/A	Yes	Not Applicable	

Table 4-2-2: Western Joshua Tree Census table showing Off-site Joshua trees within 15-meter (~50-ft). (Note: The GPS locations of the Joshua trees are provided below along with the height and a general health assessment.) (Note: These Joshua trees in this table were marked visually and no metal tag was affixed to the trees.)

Joshua Tree	Latitude (WGS 84)	Longitude (WGS 84)	Live or Dead	Height of Tree (meters)	Size Class	Mature Tree (Branched)	Flowering or Fruiting Stage (flowers, or fruits, or none)	Transplantable	Impact to Tree (removal, trim, relocation, other or none)	Will project activities be within 15 meters of tree	Relocation
Offsite JT 790	34.24020531	-116.3780213	Live	3.3	B	Yes	None	N/A			Not Applicable
Offsite JT 794	34.24258783	-116.3780873	Live	2.5	B	Yes	None	N/A			Not Applicable
Offsite JT 795	34.24332667	-116.3780055	Dead	4.7	B	Yes	None	N/A			Not Applicable
Offsite JT 2534	34.23676967	-116.377445	Live	4.9	B	Yes	None	N/A			Not Applicable
Offsite JT 2539	34.2375915	-116.3768848	Live	3.7	B	Yes	None	N/A			Not Applicable
Offsite JT 2544	34.23792033	-116.3752948	Dead	1.9	B	Yes	None	N/A			Not Applicable
Offsite JT 2498	34.237833	-116.3740407	Live	3.1	B	Yes	None	N/A			Not Applicable

Table 4-2-3: Western Joshua Tree Census table showing Joshua trees within the Non-Disturbance Area. (Note: The GPS locations of the Joshua trees are provided below along with the height and a general health assessment.) (Note: These Joshua trees fall outside of the 15m-buffer and any construction activities.)

Joshua Tree	Latitude (WGS 84)	Longitude (WGS 84)	Live or Dead	Height of Tree (meters)	Size Class	Mature Tree (Branched)	Flowering or Fruiting Stage (flowers, fruits, or none)	Transplantable	Impact to Tree (removal, trim, relocation, other or none)	Will project activities be within 15 meters of tree	Relocation
JT 2499	34.23763767	-116.3741775	Live	2	B	No	None	N/A	None	No	Not Applicable
JT 2500	34.23766567	-116.37465	Live	2.1	B	No	None	N/A	None	No	Not Applicable
JT 2501	34.23753317	-116.3744697	Live	0.6	A	No	None	N/A	None	No	Not Applicable
JT 2502	34.23750417	-116.3742472	Live	2.7	B	No	None	N/A	None	No	Not Applicable
JT 2503	34.23750467	-116.3735732	Live	1.1	B	No	None	N/A	None	No	Not Applicable
JT 2504	34.23614567	-116.3733488	Live	0.6	A	No	None	N/A	None	No	Not Applicable
JT 2505	34.23605117	-116.373157	Live	0.4	A	No	None	N/A	None	No	Not Applicable
JT 2506	34.235278	-116.3736597	Live	2.1	B	Yes	None	N/A	None	No	Not Applicable
JT 2507	34.23523283	-116.3746042	Live	2.2	B	Yes	None	N/A	None	No	Not Applicable
JT 2508	34.235286	-116.3748427	Live	0.6	A	No	None	N/A	None	No	Not Applicable
JT 2509	34.23532033	-116.3747987	Dead	0.4	A	No	None	N/A	None	No	Not Applicable
JT 2510	34.23554617	-116.374614	Live	1.2	B	No	None	N/A	None	No	Not Applicable

Joshua Tree	Latitude (WGS 84)	Longitude (WGS 84)	Live or Dead	Height of Tree (meters)	Size Class	Mature Tree (Branched)	Flowering or Fruiting Stage (flowers, or fruits, or none)	Transplantable	Impact to Tree (removal, trim, relocation, other or none)	Will project activities be within 15 meters of tree	Relocation
JT 2512	34.23556867	-116.3747505	Live	1.3	B	No	None	N/A	None	No	Not Applicable
JT 2513	34.2353855	-116.3750727	Live	0.5	A	No	None	N/A	None	No	Not Applicable
JT 2514	34.23551133	-116.3753643	Live	3.8	B	Yes	None	N/A	None	No	Not Applicable
JT 2515	34.2356865	-116.3751893	Live	3.6	B	Yes	None	N/A	None	No	Not Applicable
JT 2517	34.23589767	-116.375789	Live	2.2	B	No	None	N/A	None	No	Not Applicable
JT 2518	34.23585633	-116.376023	Live	4.3	B	Yes	None	N/A	None	No	Not Applicable
JT 2519	34.23609	-116.3760378	Dead	1.4	B	Yes	None	N/A	None	No	Not Applicable
JT 2520	34.2360395	-116.3761197	Live	5.6	C	Yes	None	N/A	None	No	Not Applicable
JT 2521	34.23625333	-116.3758435	Dead	0.9	A	No	None	N/A	None	No	Not Applicable
JT 2522	34.23641667	-116.375997	Dead	1.8	B	Yes	None	N/A	None	No	Not Applicable
JT 2523	34.23631883	-116.3764075	Live	4.3	B	Yes	None	N/A	None	No	Not Applicable
JT 2524	34.23608267	-116.3765207	Dead	2.1	B	Yes	None	N/A	None	No	Not Applicable
JT 2525	34.23599567	-116.3768838	Live	3.6	B	Yes	None	N/A	None	No	Not Applicable
JT 2526	34.23598467	-116.3768828	Live	0.4	A	No	None	N/A	None	No	Not Applicable
JT 2527	34.23598583	-116.3768877	Live	0.6	A	No	None	N/A	None	No	Not Applicable



Joshua Tree	Latitude (WGS 84)	Longitude (WGS 84)	Live or Dead	Height of Tree (meters)	Size Class	Mature Tree (Branched)	Flowering or Fruiting Stage (flowers, or fruits, or none)	Transplantable	Impact to Tree (removal, trim, relocation, other or none)	Will project activities be within 15 meters of tree	Relocation
JT 2528	34.23647067	-116.3770752	Live	3.8	B	Yes	None	N/A	None	No	Not Applicable
JT 2529	34.2365335	-116.377061	Live	5.6	C	Yes	None	N/A	None	No	Not Applicable
JT 2530	34.23651883	-116.3771412	Live	1.2	B	No	None	N/A	None	No	Not Applicable
JT 2531	34.23654333	-116.37709	Live	4.9	B	Yes	None	N/A	None	No	Not Applicable
JT 2532	34.23662833	-116.377555	Live	5.8	C	Yes	None	N/A	None	No	Not Applicable
JT 2533	34.236519	-116.3777047	Dead	1.6	B	No	None	N/A	None	No	Not Applicable
JT 2535	34.23665783	-116.3777658	Dead	1.8	B	Yes	None	N/A	None	No	Not Applicable
JT 2540	34.23751083	-116.3762567	Live	0.8	A	No	None	N/A	None	No	Not Applicable
JT 2541	34.237832	-116.376068	Live	2.3	B	No	None	N/A	None	No	Not Applicable
JT 2542	34.23781833	-116.3756532	Live	3.4	B	Yes	None	N/A	None	No	Not Applicable
JT 2543	34.23766283	-116.3755157	Live	3.6	B	Yes	None	N/A	None	No	Not Applicable
JT 2545	34.23777833	-116.3750593	Live	2.3	B	No	None	N/A	None	No	Not Applicable
JT 2499	34.23763767	-116.3741775	Live	2	B	No	None	N/A	None	No	Not Applicable
JT 2500	34.23766567	-116.37465	Live	2.1	B	No	None	N/A	None	No	Not Applicable
JT 2501	34.23753317	-116.3744697	Live	0.6	A	No	None	N/A	None	No	Not Applicable

Joshua Tree	Latitude (WGS 84)	Longitude (WGS 84)	Live or Dead	Height of Tree (meters)	Size Class	Mature Tree (Branched)	Flowering or Fruiting Stage (flowers, or fruits, or none)	Transplantable	Impact to Tree (removal, trim, relocation, other or none)	Will project activities be within 15 meters of tree	Relocation
JT 2502	34.23750417	-116.3742472	Live	2.7	B	No	None	N/A	None	No	Not Applicable
JT 2503	34.23750467	-116.3735732	Live	1.1	B	No	None	N/A	None	No	Not Applicable
JT 2504	34.23614567	-116.3733488	Live	0.6	A	No	None	N/A	None	No	Not Applicable
JT 2505	34.23605117	-116.373157	Live	0.4	A	No	None	N/A	None	No	Not Applicable
JT 2506	34.235278	-116.3736597	Live	2.1	B	Yes	None	N/A	None	No	Not Applicable
JT 2507	34.23523283	-116.3746042	Live	2.2	B	Yes	None	N/A	None	No	Not Applicable

5.0 CONCLUSIONS

The site is located within the standard mitigation fee area by CDFW for the Western Joshua Tree Conservation Act. A total of 234 Joshua trees that occur within the boundaries of the project and 7 Joshua trees occur within the 15-meter (~50 foot) buffer surrounding the site (Figure 3 and 4). There are 39 Joshua trees that fall within the non-disturbance area and will not be affected by any construction activities (Figure 5). As stated above, based on the evaluation and analysis of each tree on-site it was determined that 54 (23.08%) Joshua trees are less than 1 meter in height and are categorized under size class “A”. There are 170 (72.65%) Joshua trees 1 meter or greater but less than 5 meters in height categorized under size class “B”. There are 10 (4.27%) Joshua trees 5 meters or greater in height categorized under size class “C”. As indicated in Table 4-1, the majority of the Joshua trees are under 5 meters in height. Although there was a total of 273 trees located on the property, only a portion of the trees will be removed. The area where trees will be removed will be defined as the project boundary area shown in Figure 1 and 2. Trees within this area will be removed and are accounted for within Table 4-1. The remaining trees outside of the project boundary area within the non-disturbance area will remain in place and were not included in the Table 4-1 mitigation fee summary.

As of July 10, 2023, California legislature passed and signed the Western Joshua Tree Conservation Act (WJTCA, Senate Bill 122) into effect listing the western Joshua tree (*Yucca brevifolia*) as a candidate endangered species. The WJTCA authorizes CDFW to oversee the various permitting processes dealing with mitigation and/or removal of western Joshua trees. Therefore, any attempt to remove a Joshua tree from its current position will require a California Endangered Species Act Incidental Take Permit (CESA, ITP) or a Western Joshua Tree Conservation Act Incidental Take Permit (WJTCA, ITP). CDFW is the lead agency in the decision making of the projects forward progress pertaining to western Joshua trees.

6.0 REFERENCES

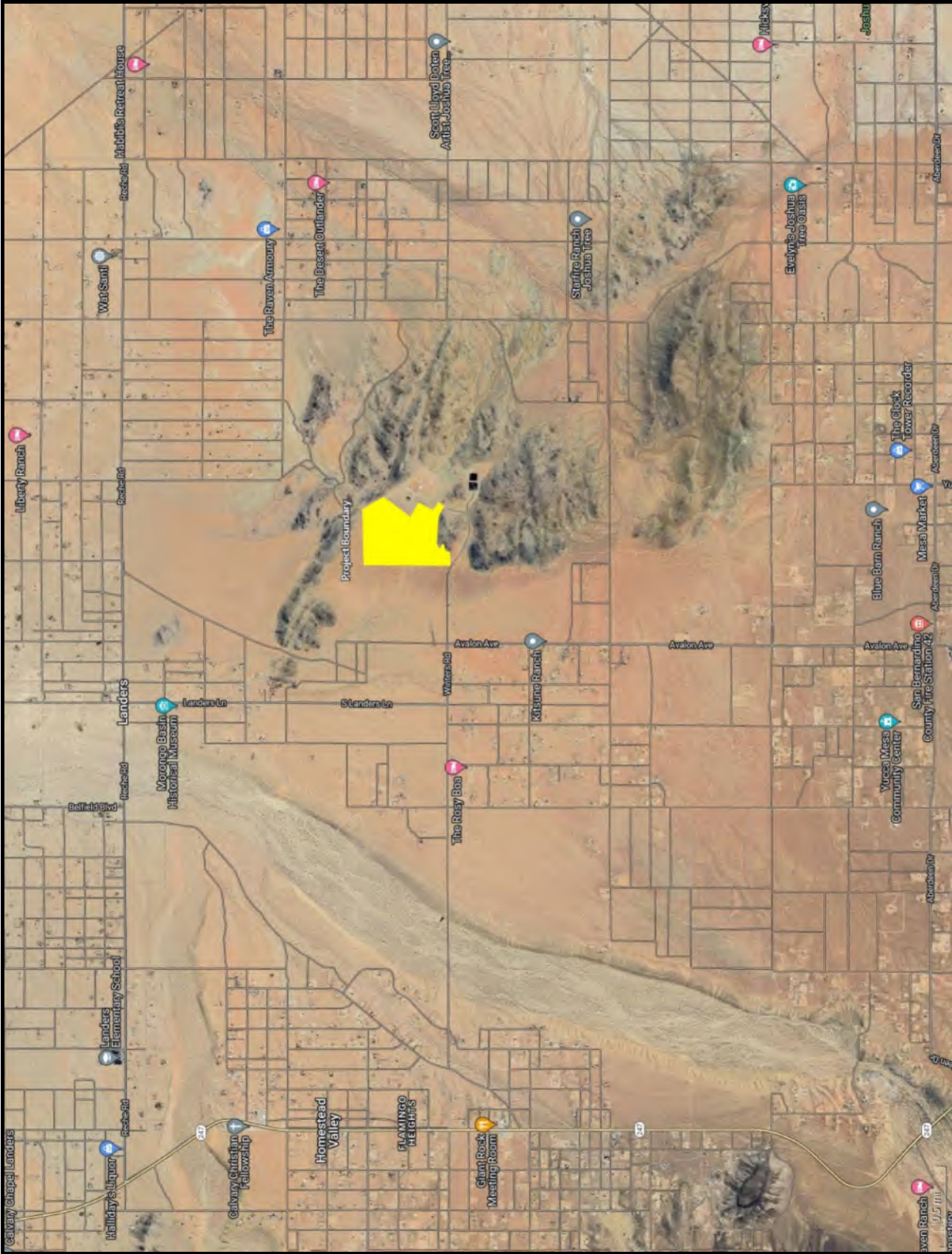
- Brittingham, S. and W. Lawrence. 2000. Facilitation of *Yucca brevifolia* Recruitment by Mojave Desert Shrubs. *Western North American Naturalist* 60(4), pp. 374-383.
- Hickman, James C. *The Jepson Manual Higher Plants of California*. University of California Press. Berkeley, CA. 3rd Edition. 1996.
- Holland, Robert F. 1986 Preliminary Description of the Terrestrial Natural Communities of California. Prepared for the California Natural Diversity Data Base. California Department of Fish and Game. Sacramento, California. 160 pp.
- Johnson, H. 1976 vegetation and Plant Communities of Southern California Deserts- a functional view. In *Symposium proceedings: Plant communities of Southern California*. June Latting, editor. California Native Plant Society, Spec. No. 2 Berkeley, CA.
- Munz, Philip A. 1974. *A Flora of Southern California*. University of California Press, Berkeley, California. 1086 pp.
- SB 122, Committee on Budget and Fiscal Review. Public resources trailer bill. SEC 5, Chapter 11.5. Western Joshua Tree Conservation Act.
- Western Joshua Tree Conservation Act 1927. Added by Stats. 2023, Ch. 51, Sec. 5. (SB 122) Effective July 10, 2023. Conditionally operative pursuant to Section 1927.2.

APPENDIX A

Figures

Legend

Project Boundary



Source: Uinta Software

Acreage: 125-Acres (Approximately)

Project #: 2023-48 JT

Western Joshua Tree Census for Landers Landfill

Figure 1: Vicinity Exhibit

Produced By: RCA Associates Inc.



Legend

- Site Corners
- Project Boundary



Source:	Uinta Software
Acreage:	125-Acres (Approximately)
Project #:	2023-48 JT

Western Joshua Tree Census for Landers Landfill

Figure 2: Vicinity Exhibit

Produced By: RCA Associates Inc.



Legend

- 234 Joshua Trees
 - Project Boundary
 - Nondisturbance Area
- *Large Bubbles represent clusters of Joshua Trees

Figures represent the proximal location and label of JT, but due to format restrictions some points or labels may be obscured by others. Refer to the provided KML for more accuracy



Source:	Uinta Software
Acreage:	125-Acres (Approximately)
Project #:	2023-48 JT

Western Joshua Tree Census for Landers Landfill

Figure 3: Locations of Onsite Western Joshua Tree

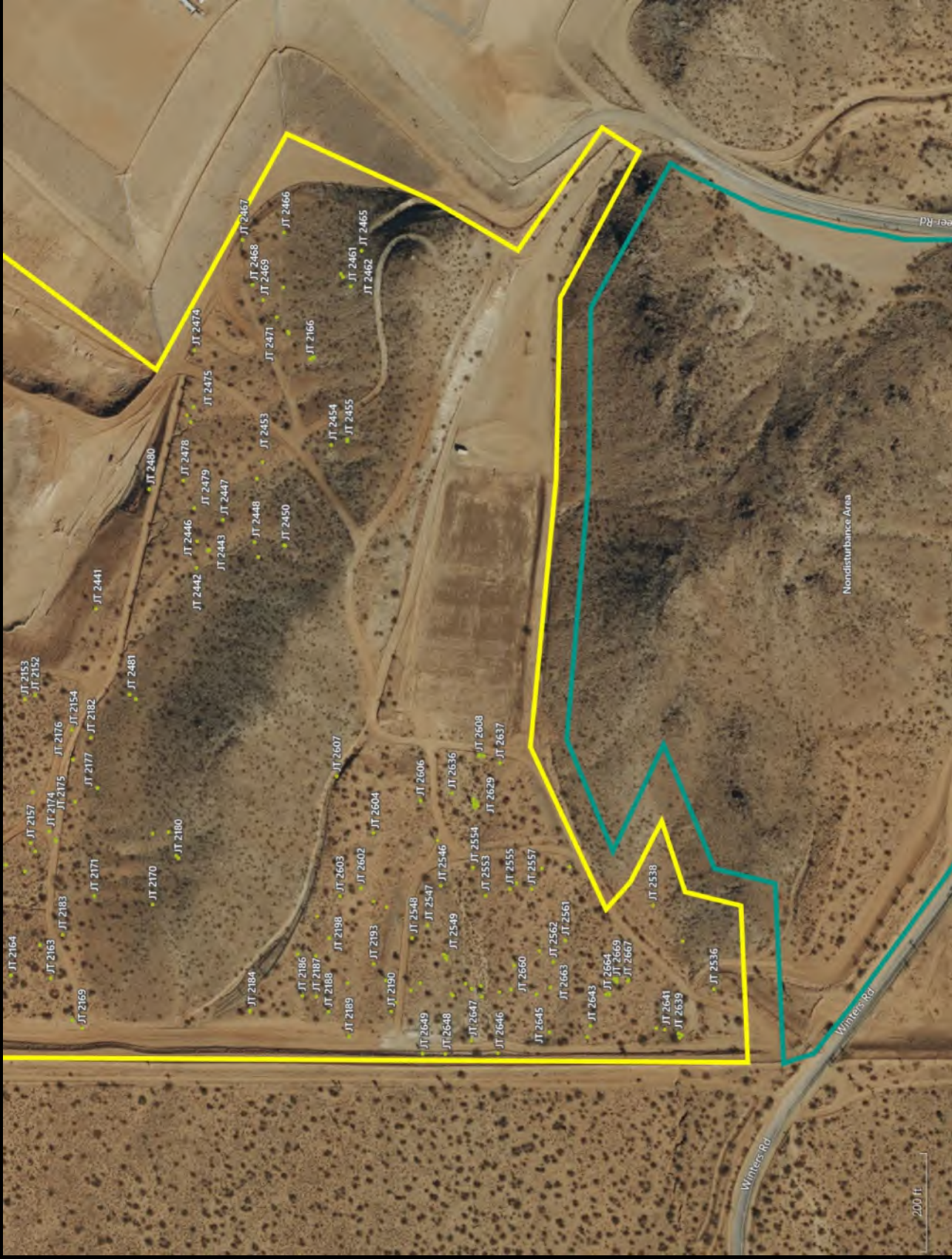


Legend

- 234 Joshua Trees
- ▭ Project Boundary
- ▭ Nondisturbance Area

Figures represent the proximal location and label of JT, but due to format restrictions some points or labels may be obscured by others. Refer to the provided KML for more accuracy

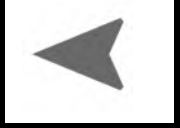
*Magnified Area in Blue







Source:	Uinta Software
Acreage:	125-Acres (Approximately)
Project #:	2023-48 JT

Western Joshua Tree Census for Landers Landfill

Figure 3B: Locations of Onsite Western Joshua Tree (Magnified South)



Legend

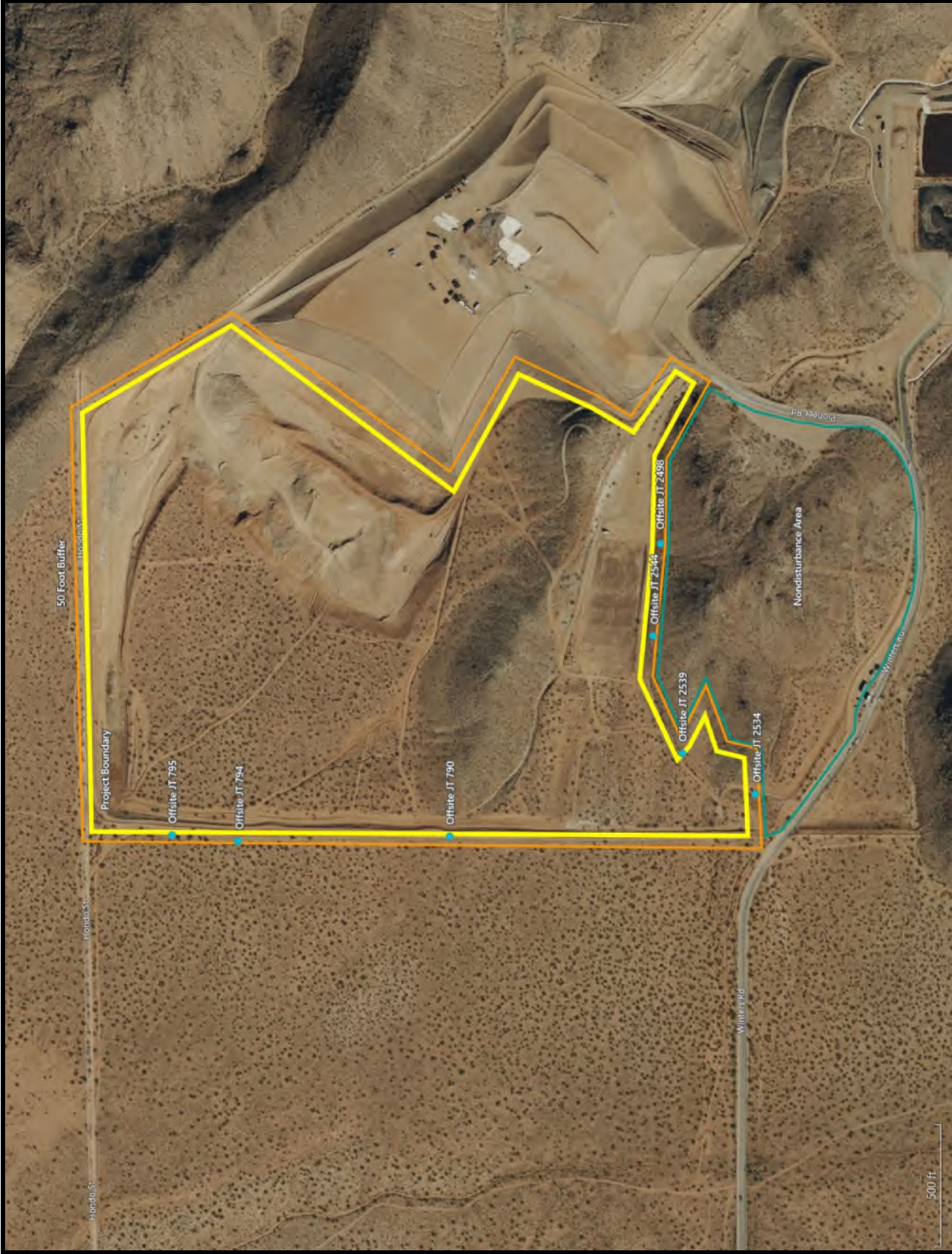
-  50 Foot Buffer
-  Non-Disturbance Area
-  Project Boundary
-  7 Offsite Joshua Tree



Source: Uinta Software

Acreage: 125-Acres (Approximately)

Project #: 2023-48 JT



Western Joshua Tree Census for Landers Landfill

Figure 4: Locations of Joshua Trees Offsite Within 50Ft/15m Buffer



Legend

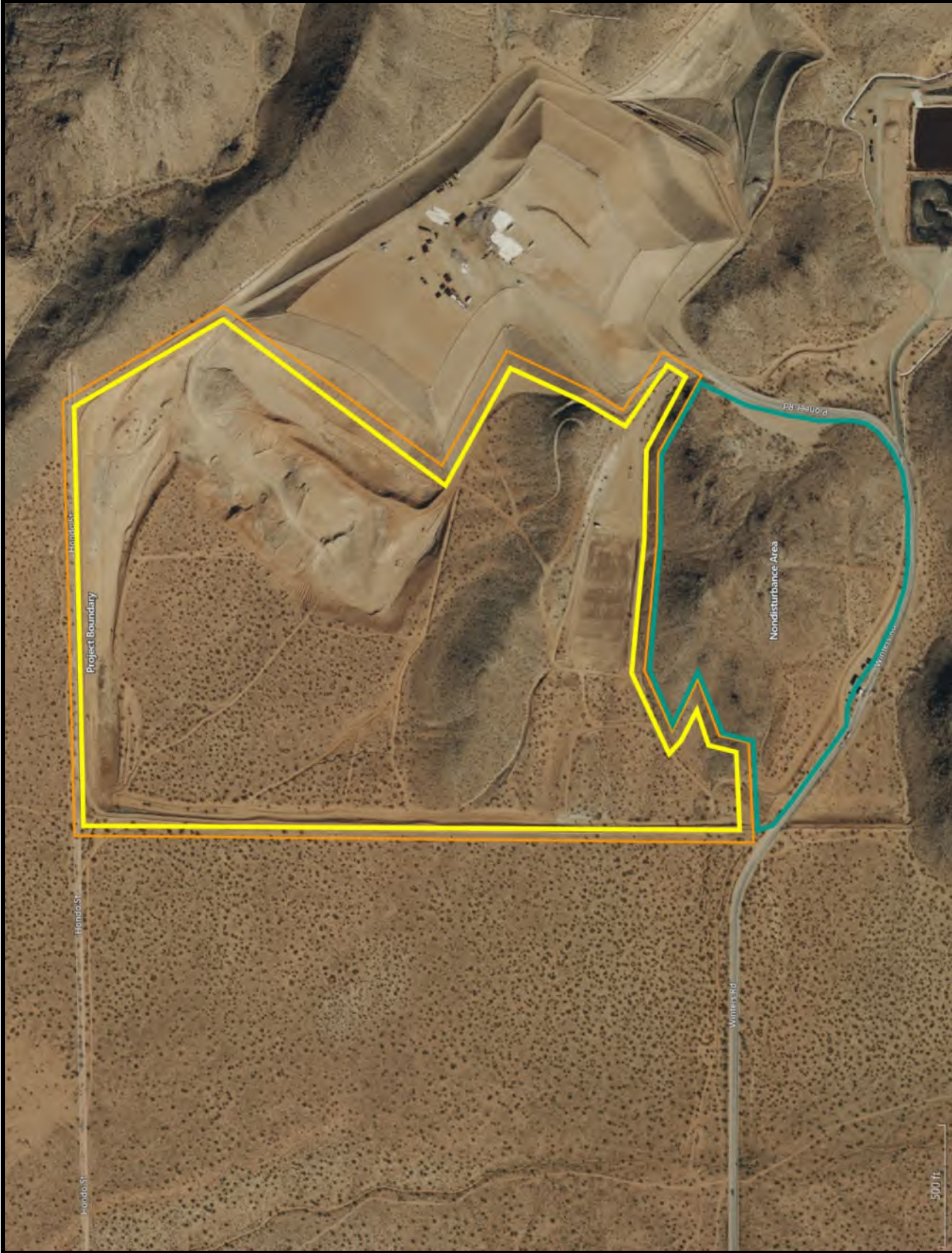
-  50 Foot Buffer
-  Project Boundary
-  Non-Disturbance Area



Source: Uinta Software

Acreage: 125-Acres (Approximately)

Project: 2023-48 JT







**Figure 5: Non-Disturbance Area
for Landers Landfill**

Western Joshua Tree Census



Legend

-  50 Foot Buffer
-  Project Boundary
-  Non-Disturbance Area
-  39 Joshua Trees

Figures represent the proximal location and label of JT, but due to format restrictions some points or labels may be obscured by others. Refer to the provided KML for more accuracy.



Source:	Uinta Software
Acreage:	125-Acres (Approximately)
Project #:	2023-48 JT

Western Joshua Tree Census for Landers Landfill









Figure 5A: Joshua Trees within Non-Disturbance Area



APPENDIX B

Western Joshua Tree Photographs

Legend

-  50 Foot Buffer
-  50 Foot Buffer
-  JT
-  Nondisturbance Area
-  Offsite JT
-  Point
-  Project Boundary
-  Project Boundary



2/27/2025

Date

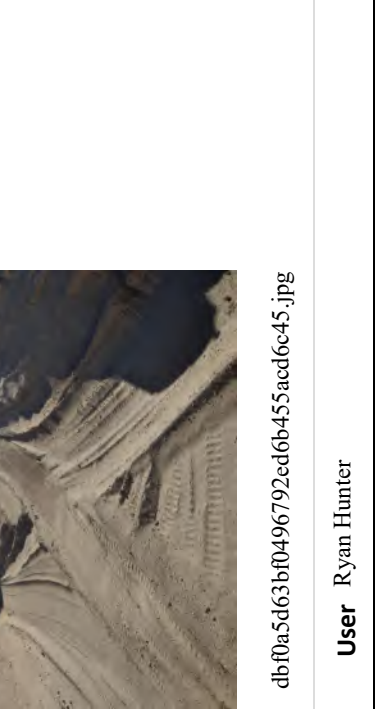
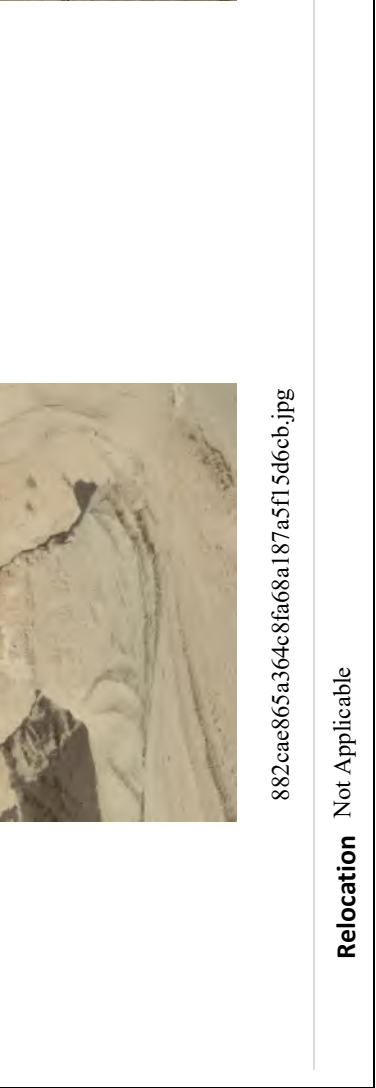
#2023-48 JT Landers Landfill (Impact Area)



50 Foot Buffer

Name	Area	Date/Time	User
50 Foot Buffer	area: 109.8 acres perimeter: 2.0 mi	12/7/2023 2:15 PM	Ryan Hunter


JT

JT 1		12/7/2023
Joshua Tree	JT 1	
Location	34.24221725°, -116.37630198°	
Latitude (WGS 84)	34.24221725	
Longitude (WGS 84)	-116.37630198	
Date/Time	12/7/2023	Live
Live or Dead	Live	
Height of Tree (meters)	3.1	B
Size Class	B	
Mature Tree (Branched)	Yes	None
Flowering or Fruiting Stage (flowers, fruits, or none)	None	
Attachment		
Relocation	Not Applicable	User Ryan Hunter

dbf0a5d63bf0496792ed6b455acd6c45.jpg

882cae865a364c8fa68a187a5f15d6cb.jpg

JT

JT 2		12/7/2023
Joshua Tree	JT 2	
Location	34.24194923°, -116.37678310°	
Latitude (WGS 84)	34.24194923	
Longitude (WGS 84)	-116.37678310	
Date/Time	12/7/2023	Live
Live or Dead	Live	
Height of Tree (meters)	1	
Mature Tree (Branched)	No	
Flowering or Fruiting Stage (flowers, fruits, or none)	None	
Attachment		
Relocation	Not Applicable	User Ryan Hunter

59e70e573e8e4a6ab3675d0b86c02af9.jpg

359f1ca40e5343819c5ce7491d9cd7a2.jpg

JT

JT 2137			12/7/2023
Joshua Tree	JT 2137	Location 34.24122817°, -116.37541183° 3305.77 ft	
Latitude (WGS 84)	34.24122817	Longitude (WGS 84) -116.37541183	
Elevation (ft)	3305.77	Accuracy (ft) 4.28	
Date/Time	12/7/2023	Live or Dead Live	
Height of Tree (meters)	3.3	Size Class B	
Mature Tree (Branched)	Yes	Flowering or Fruiting Stage (flowers, fruits, or none) None	
Attachment			Relocation Not Applicable
	30294a1865994cddb9b6b2363d1bbd9.jpg		
User	Brian Bunyi		

JT

JT 2138

12/7/2023

Joshua Tree JT 2138

Location 34.24112617°, -116.37546150°
3308.4 ft

Latitude (WGS 84) 34.24112617

Longitude (WGS 84) -116.37546150

Elevation (ft) 3308.4

Accuracy (ft) 5.1

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 3.8

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable

4352f7e071e049b6bbac6bf75550ad88.jpg

User Brian Bunyi

JT

JT 2139

12/7/2023

Joshua Tree JT 2139

Location 34.24164533, -116.37629767
3288.39 ft

Latitude (WGS 84) 34.24164533

Longitude (WGS 84) -116.37629767

Elevation (ft) 3288.39

Accuracy (ft) 4.88

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 3.8

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable

3aac2a52a54d4c8bb98669cfe33aa50a.jpg

User Brian Bunyi

JT

JT 2140

12/7/2023

Joshua Tree JT 2140

Location 34.24247167°, -116.37741367°
3267.06 ft

Latitude (WGS 84) 34.24247167

Longitude (WGS 84) -116.37741367

Elevation (ft) 3267.06

Accuracy (ft) 10.5

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 4.1

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment




Relocation Not Applicable

37fc9e86b48444bbe66c170ccb2168b.jpg

User Brian Bunyi

JT

JT 2141		12/7/2023
Joshua Tree JT 2141	Location 34.24231867°, -116.37706400° 3279.53 ft	
Latitude (WGS 84) 34.24231867	Longitude (WGS 84) -116.37706400	
Elevation (ft) 3279.53	Accuracy (ft) 4.75	
Date/Time 12/7/2023	Live or Dead Dead	
Mature Tree (Branched) No	Attachment	
		
		7b242b3791bf4d82bb9bcae54042dd96.jpg
Relocation Not Applicable	User Brian Bunyi	

JT

JT 2142

12/7/2023

Joshua Tree JT 2142

Location 34.24226817°, -116.37691100°
3284.45 ft

Latitude (WGS 84) 34.24226817

Longitude (WGS 84) -116.37691100

Elevation (ft) 3284.45

Accuracy (ft) 5.34

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 1.2

Size Class B

Mature Tree (Branched) No

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable

32afecf5e4934598992576d494542f2c.jpg

User Brian Bunyi

JT

JT 2143

12/7/2023

Joshua Tree JT 2143

Location 34.24275917°, -116.37728000°
3266.73 ft

Latitude (WGS 84) 34.24275917

Longitude (WGS 84) -116.37728000

Elevation (ft) 3266.73

Accuracy (ft) 6.51

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 3.8

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



95b3f7d96a664714bf3d28ce8671b5c8.jpg


0b350d0da5ee4469888cd20122d9886.jpg

Relocation Not Applicable

Additional Notes Lower branch

User Brian Bunyi

JT

JT 2144		12/7/2023
Joshua Tree JT 2144	Location 34.24278050°, -116.37728150° 3268.7 ft	
Latitude (WGS 84) 34.24278050	Longitude (WGS 84) -116.37728150	
Elevation (ft) 3268.7	Accuracy (ft) 8.12	
Date/Time 12/7/2023	Live or Dead Dead	
Mature Tree (Branched) No	Attachment	
		
		d924f6ab234c4ccf85b5c1b0d9bd46c8.jpg
Relocation Not Applicable	User Brian Bunyi	

JT

JT 2145	12/7/2023
Joshua Tree JT 2145	Location 34.24278617°, -116.37710517° 3270.01 ft
Latitude (WGS 84) 34.24278617	Longitude (WGS 84) -116.37710517
Elevation (ft) 3270.01	Accuracy (ft) 5.84
Date/Time 12/7/2023	Live or Dead Live
Height of Tree (meters) 3.2	Size Class B
Mature Tree (Branched) Yes	Flowering or Fruiting Stage (flowers, fruits, or none) None
Attachment	Relocation Not Applicable
	<p data-bbox="1377 1339 1409 1776">3635e66daa814e66979833c8e6257425.jpg</p>
User	Brian Bunyi

JT

JT 2146

12/7/2023

Joshua Tree JT 2146

Location 34.24330917°, -116.37639183°
3270.67 ft

Latitude (WGS 84) 34.24330917

Longitude (WGS 84) -116.37639183

Elevation (ft) 3270.67

Accuracy (ft) 10.76

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 3.4

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable

0eaf20df2b004739aa5ff6fd4b6a8af9.jpg

User Brian Bunyi


JT

JT 2147		12/7/2023
Joshua Tree	JT 2147	
Latitude (WGS 84)	34.24345467	
Elevation (ft)	3273.62	
Date/Time	12/7/2023	
Height of Tree (meters)	3.2	
Mature Tree (Branched)	Yes	
Attachment		
Relocation	Not Applicable	
Flowering or Fruiting Stage (flowers, fruits, or none)	None	
Size Class	B	
Live or Dead	Live	
Accuracy (ft)	7.2	
Longitude (WGS 84)	-116.37591417	
Location	34.24345467°, -116.37591417° 3273.62 ft	
Relocation	Not Applicable	
User	Brian Bunyi	

88673be3405d4dd7905ff8ab124b2b0e.jpg

User Brian Bunyi

JT

JT 2148		12/7/2023
Joshua Tree JT 2148	Location 34.24400167°, -116.37607017° 3273.29 ft	
Latitude (WGS 84) 34.24400167	Longitude (WGS 84) -116.37607017	
Elevation (ft) 3273.29	Accuracy (ft) 4.81	
Date/Time 12/7/2023	Live or Dead Dead	
Mature Tree (Branched) No	Attachment	
		
Relocation Not Applicable	User Brian Bunyi	478ec105c0584257b420256808b2192a.jpg

JT

JT 2149

12/7/2023

Joshua Tree JT 2149

Location 34.24384683, -116.37537283°
3289.04 ft

Latitude (WGS 84) 34.24384683

Longitude (WGS 84) -116.37537283

Elevation (ft) 3289.04

Accuracy (ft) 4.88

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 4.6

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable


3a8772285db54563b3a9eb7149d21c82.jpg

User Brian Bunyi

JT

JT 2150										12/7/2023
Joshua Tree	JT 2150	Location	34.24333783, -116.37459317° 3291.67 ft							
Latitude (WGS 84)	34.24333783	Longitude (WGS 84)	-116.37459317							
Elevation (ft)	3291.67	Accuracy (ft)	2.03							
Date/Time	12/7/2023	Live or Dead	Live							
Height of Tree (meters)	1.8	Size Class	B							
Mature Tree (Branched)	No	Flowering or Fruiting Stage (flowers, fruits, or none)	None							
Attachment			Relocation	Not Applicable						
				00091f7e9fe544ad95e950ea12b64caa.jpg						
User	Brian Bunyi									

JT

JT 2151		12/7/2023
Joshua Tree	JT 2151	
Location	34.24363917°, -116.37422317° 3289.7 ft	
Latitude (WGS 84)	34.24363917	Longitude (WGS 84) -116.37422317
Elevation (ft)	3289.7	Accuracy (ft) 8.66
Date/Time	12/7/2023	
Height of Tree (meters)	4.4	
Mature Tree (Branched)	Yes	
Flowering or Fruiting Stage (flowers, fruits, or none)	None	
Relocation	Not Applicable	
Attachment		
	36dbc33735b646d3ae39ec0d2a0b975b.jpg	
User	Brian Bunyi	

JT

JT 2152

12/7/2023

Joshua Tree JT 2152

Location 34.24083817°, -116.37553150°
3284.45 ft

Latitude (WGS 84) 34.24083817

Longitude (WGS 84) -116.37553150

Elevation (ft) 3284.45

Accuracy (ft) 8.61

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 3.8

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment




Relocation Not Applicable


09941473b4524ccea7debce07817e790.jpg

User Brian Bunyi


JT

JT 2153		12/7/2023
Joshua Tree JT 2153	Location 34.24089750°, -116.37555800° 3295.6 ft	
Latitude (WGS 84) 34.24089750	Longitude (WGS 84) -116.37555800	
Elevation (ft) 3295.6	Accuracy (ft) 7.23	
Date/Time 12/7/2023	Live or Dead Dead	
Mature Tree (Branched) No	Attachment	
		
		31568188360a4a9db4fa9e0c46829e31.jpg
Relocation Not Applicable	User Brian Bunyi	


JT

JT 2154		12/7/2023
Joshua Tree JT 2154	Location 34.24063267°, -116.37576533° 3296.92 ft	
Latitude (WGS 84) 34.24063267	Longitude (WGS 84) -116.37576533	
Elevation (ft) 3296.92	Accuracy (ft) 8.12	
Date/Time 12/7/2023	Live or Dead Dead	
Mature Tree (Branched) No	Attachment	
		
		f4df1ea7b50e4dc5b66a8d71f34d9052.jpg
Relocation Not Applicable	User Brian Bunyi	

JT

JT 2155		12/7/2023
Joshua Tree JT 2155	Location 34.24085367°, -116.37618400° 3297.24 ft	
Latitude (WGS 84) 34.24085367	Longitude (WGS 84) -116.37618400	
Elevation (ft) 3297.24	Accuracy (ft) 8.36	
Date/Time 12/7/2023	Live or Dead Dead	
Mature Tree (Branched) No	Attachment	
		
		46aaf1c1af404b2da8d80ce17d0c373a.jpg
Relocation Not Applicable	User Brian Bunyi	

JT

JT 2156		12/7/2023
Joshua Tree JT 2156	Location 34.24104100°, -116.37599167° 3296.92 ft	
Latitude (WGS 84) 34.24104100	Longitude (WGS 84) -116.37599167	
Elevation (ft) 3296.92	Accuracy (ft) 7.66	
Date/Time 12/7/2023	Live or Dead Dead	
Mature Tree (Branched) No	Attachment	
		
Relocation Not Applicable	User Brian Bunyi	c6f4ac1bb1b741429dd8e07771c9be92.jpg

JT

JT 2157

12/7/2023

Joshua Tree JT 2157

Location 34.24086433, -116.37653050°
3286.75 ft

Latitude (WGS 84) 34.24086433

Longitude (WGS 84) -116.37653050

Elevation (ft) 3286.75

Accuracy (ft) 7.2

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 3.5

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable

f7e32803ec94494c879d34f3e79124f9.jpg

User Brian Bunyi

JT

JT 2158

12/7/2023

Joshua Tree JT 2158

Location 34.24083867°, -116.37658617°
3292.65 ft

Latitude (WGS 84) 34.24083867

Longitude (WGS 84) -116.37658617

Elevation (ft) 3292.65

Accuracy (ft) 7.89

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 4.0

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable

cd00a833951a4dae9775a243d855ff0c.jpg

User Brian Bunyi

JT

JT 2159

12/7/2023

Joshua Tree JT 2159

Location 34.24089600°, -116.37672167°
3289.37 ft

Latitude (WGS 84) 34.24089600

Longitude (WGS 84) -116.37672167

Elevation (ft) 3289.37

Accuracy (ft) 9.38

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 3.0

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable

7db79f4c8ba4cbf984a19deda5da02a.jpg

User Brian Bunyi

JT

JT 2160

12/7/2023

Joshua Tree JT 2160

Location 34.24100250°, -116.37667750°
3286.75 ft

Latitude (WGS 84) 34.24100250

Longitude (WGS 84) -116.37667750

Elevation (ft) 3286.75

Accuracy (ft) 10.22

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 2.9

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable

1b594b35935a4129bacfb5caa53cfb33.jpg

User Brian Bunyi

JT

JT 2161

12/7/2023

Joshua Tree JT 2161

Location 34.24107217°, -116.37661667°
3284.12 ft

Latitude (WGS 84) 34.24107217

Longitude (WGS 84) -116.37661667

Elevation (ft) 3284.12

Accuracy (ft) 10.68

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 2.5

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



fbeecc778d8854c609fcb65ac88919301.jpg




aead85c8e076424cb6c88503dcd733bc.jpg

Relocation Not Applicable


Additional Notes Lower branch

User Brian Bunyi


JT

JT 2162		12/7/2023
Joshua Tree JT 2162	Location 34.24081200°, -116.37722033° 3287.07 ft	
Latitude (WGS 84) 34.24081200	Longitude (WGS 84) -116.37722033	
Elevation (ft) 3287.07	Accuracy (ft) 8.83	
Date/Time 12/7/2023	Live or Dead Dead	
Mature Tree (Branched) No	Attachment	
		
		ebbc7a324b2342a4bb9ff93624cb5b77.jpg
Relocation Not Applicable	User Brian Bunyi	

JT

JT 2163		12/7/2023
Joshua Tree JT 2163	Location 34.24075217°, -116.37744367° 3286.09 ft	
Latitude (WGS 84) 34.24075217	Longitude (WGS 84) -116.37744367	
Elevation (ft) 3286.09	Accuracy (ft) 6.73	
Date/Time 12/7/2023	Live or Dead Dead	
Mature Tree (Branched) No	Attachment	
		
		b2a352bbcedc4782aeb025ded11bf292.jpg
Relocation Not Applicable	User Brian Bunyi	

JT

JT 2164		12/7/2023
Joshua Tree JT 2164	Location 34.24097450°, -116.37742383° 3279.53 ft	
Latitude (WGS 84) 34.24097450	Longitude (WGS 84) -116.37742383	
Elevation (ft) 3279.53	Accuracy (ft) 8.86	
Date/Time 12/7/2023	Live or Dead Dead	
Mature Tree (Branched) No	Attachment	
		
		607d745e6bcf49cc965cac04703a709b.jpg
Relocation Not Applicable	User Brian Bunyi	

JT

JT 2165

12/7/2023

Joshua Tree JT 2165

Location 34.24113183°, -116.37756967°
3279.53 ft

Latitude (WGS 84) 34.24113183

Longitude (WGS 84) -116.37756967

Elevation (ft) 3279.53

Accuracy (ft) 7.2

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 1.3

Size Class B

Mature Tree (Branched) No

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment




Relocation Not Applicable


10471e933d3447799df2bba025471c91.jpg

User Brian Bunyi

JT

JT 2166		12/7/2023
Joshua Tree JT 2166	Location 34.23930150°, -116.37325900° 3330.71 ft	
Latitude (WGS 84) 34.23930150	Longitude (WGS 84) -116.37325900	
Elevation (ft) 3330.71	Accuracy (ft) 5.57	
Date/Time 12/7/2023	Live or Dead Live	
Height of Tree (meters) 0.3	Size Class A	
Mature Tree (Branched) No	Flowering or Fruiting Stage (flowers, fruits, or none) None	
Attachment		Relocation Not Applicable
	ee66c7c699e8497f89259094aebc358f.jpg	
User	Ryan Hunter	

JT

JT 2166		12/7/2023
Joshua Tree JT 2166	Location 34.24108450°, -116.37758117° 3278.22 ft	
Latitude (WGS 84) 34.24108450	Longitude (WGS 84) -116.37758117	
Elevation (ft) 3278.22	Accuracy (ft) 7.23	
Date/Time 12/7/2023	Live or Dead Live	
Height of Tree (meters) 4.4	Size Class B	
Mature Tree (Branched) Yes	Flowering or Fruiting Stage (flowers, fruits, or none) None	
Attachment	Relocation Not Applicable	
		
3d448aebd5e40b8b2b5bdad5745cc81.jpg User Brian Bunyi		

JT

JT 2167		12/7/2023
Joshua Tree	JT 2167	
Location	34.24108467°, -116.37769300° 3276.25 ft	
Latitude (WGS 84)	34.24108467	
Longitude (WGS 84)	-116.37769300	
Elevation (ft)	3276.25	
Accuracy (ft)	6.73	
Date/Time	12/7/2023	
Live or Dead	Live	
Size Class	B	
Height of Tree (meters)	3.3	
Mature Tree (Branched)	Yes	
Flowering or Fruiting Stage (flowers, fruits, or none)	None	
Relocation	Not Applicable	
Attachment	 <p data-bbox="1372 1333 1404 1774">e4325d035e5b4c1c8055ec9e26ffd1ae.jpg</p>	
User	Brian Bunyi	

JT

JT 2168

12/7/2023

Joshua Tree JT 2168

Location 34.24063100°, -116.37772567°
3281.5 ft

Latitude (WGS 84) 34.24063100

Longitude (WGS 84) -116.37772567

Elevation (ft) 3281.5

Accuracy (ft) 6.73

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 4.8

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable

1162c02316044201b68a356b8f939642.jpg

User Brian Bunyi

JT

JT 2169

12/7/2023

Joshua Tree JT 2169

Location 34.24057717°, -116.37778167°
3283.14 ft

Latitude (WGS 84) 34.24057717

Longitude (WGS 84) -116.37778167

Elevation (ft) 3283.14

Accuracy (ft) 8.61

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 4.4

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable


bc93763ab7744c608cbd21c1977c89f2.jpg

User Brian Bunyi

JT

JT 2170			12/7/2023
Joshua Tree JT 2170	Location	34.24018180°, -116.37694650° 3215.22 ft	
Latitude (WGS 84) 34.24018180	Longitude (WGS 84)	-116.37694650	
Elevation (ft) 3215.22	Accuracy (ft)	12.8	
Date/Time 12/7/2023	Live or Dead	Live	
Height of Tree (meters) 2.3	Size Class	B	
Mature Tree (Branched) Yes	Flowering or Fruiting Stage (flowers, fruits, or none)	None	
Attachment	Relocation	Not Applicable	
			
		c93734f467e9422f8d8c3054c6286889.jpg	
User	Brian Bunyi		

JT

JT 2171		12/7/2023
Joshua Tree	JT 2171	
Location	34.24050790°, -116.37688870° 3196.52 ft	
Latitude (WGS 84)	34.24050790	
Longitude (WGS 84)	-116.37688870	
Elevation (ft)	3196.52	
Accuracy (ft)	12	
Date/Time	12/7/2023	
Live or Dead	Dead	
Mature Tree (Branched)	No	
Attachment		
Relocation	Not Applicable	
User	Brian Bunyi	
File Name	53ac87bec9cf4956ab2faedebcd87f9b.jpg	

JT

JT 2172

12/7/2023

Joshua Tree JT 2172

Location 34.24072190°, -116.37651660°
3185.37 ft

Latitude (WGS 84) 34.24072190

Longitude (WGS 84) -116.37651660

Elevation (ft) 3185.37

Accuracy (ft) 12.72

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 2.8

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable

a21c0580e2a4483d1bef382b394ff6b55.jpg

User Brian Bunyi

JT

JT 2173

12/7/2023

Joshua Tree JT 2173

Location 34.24072520°, -116.37650630°
3187.66 ft

Latitude (WGS 84) 34.24072520

Longitude (WGS 84) -116.37650630

Elevation (ft) 3187.66

Accuracy (ft) 12.78

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 1.7

Size Class B

Mature Tree (Branched) No

Flowering or Fruiting Stage (flowers, fruits, or none) None




Attachment

Relocation Not Applicable


3c037d060eb9423783db7f9110dbdacc.jpg

User Brian Bunyi


JT

JT 2174		12/7/2023
Joshua Tree JT 2174	Location 34.24075910°, -116.37644960° 3189.96 ft	
Latitude (WGS 84) 34.24075910	Longitude (WGS 84) -116.37644960	
Elevation (ft) 3189.96	Accuracy (ft) 12.29	
Date/Time 12/7/2023	Live or Dead Dead	
Mature Tree (Branched) No	Attachment	
		
	db4f0c4d78cc4efba7105195808d988e.jpg	
Relocation Not Applicable	User Brian Bunyi	

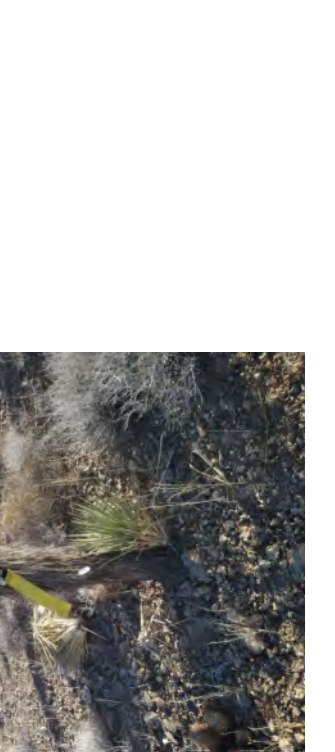

JT

JT 2175		12/7/2023
Joshua Tree JT 2175	Location 34.24061540°, -116.37625140° 3200.46 ft	
Latitude (WGS 84) 34.24061540	Longitude (WGS 84) -116.37625140	
Elevation (ft) 3200.46	Accuracy (ft) 12.57	
Date/Time 12/7/2023	Live or Dead Dead	
Mature Tree (Branched) No	Attachment	
		
		1abccf2e3afb4e34bf97c76ca0a1495.jpg
Relocation Not Applicable	User Brian Bunyi	

JT

JT 2176		12/7/2023
Joshua Tree JT 2176	Location 34.24062650°, -116.37596470° 3196.19 ft	
Latitude (WGS 84) 34.24062650	Longitude (WGS 84) -116.37596470	
Elevation (ft) 3196.19	Accuracy (ft) 12.84	
Date/Time 12/7/2023	Live or Dead Dead	
Mature Tree (Branched) No	Attachment	
		
		c69e3cd5b75f429d8708962e71b9fa4c.jpg
Relocation Not Applicable	User Brian Bunyi	

JT

<p>JT 2177</p>	<p>12/7/2023</p>
<p>Joshua Tree JT 2177</p>	<p>Location 34.24049010°, -116.37615630° 3202.1 ft</p>
<p>Latitude (WGS 84) 34.24049010</p>	<p>Longitude (WGS 84) -116.37615630</p>
<p>Elevation (ft) 3202.1</p>	<p>Accuracy (ft) 12.65</p>
<p>Date/Time 12/7/2023</p>	<p>Live or Dead Live</p>
<p>Height of Tree (meters) 2.0</p>	<p>Size Class B</p>
<p>Mature Tree (Branched) Yes</p>	<p>Flowering or Fruiting Stage None (flowers, fruits, or none)</p>
<p>Attachment</p>	<div style="display: flex; justify-content: space-around;">   </div> <p style="text-align: right;">43c1dffe0c0c457bb187781f98bcfbf.jpg</p>
<p>Relocation Not Applicable</p>	<p>Additional Notes Lower branch</p>
<p>User Brian Bunyi</p>	

JT

JT 2178

12/7/2023

Joshua Tree JT 2178

Location 34.24018210°, -116.37646670°
3208.01 ft

Latitude (WGS 84) 34.24018210

Longitude (WGS 84) -116.37646670

Elevation (ft) 3208.01

Accuracy (ft) 13.95

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 3.3

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



930ca304c5454e528e5bb5a7f0885945.jpg



b675d4020c994e5d86c5947e92db71 db.jpg

Relocation Not Applicable

Additional Notes Lower branch

User Brian Bunyi

JT

JT 2179

12/7/2023

Joshua Tree JT 2179

Location 34.24004960°, -116.37661550°
3222.77 ft

Latitude (WGS 84) 34.24004960

Longitude (WGS 84) -116.37661550

Elevation (ft) 3222.77

Accuracy (ft) 12.2

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 3.1

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable

bb91f60f2dff4bceb28253dd4bcda177.jpg

User Brian Bunyi

JT

JT 2180

12/7/2023

Joshua Tree JT 2180

Location 34.24003840°, -116.37663160°
3220.8 ft

Latitude (WGS 84) 34.24003840

Longitude (WGS 84) -116.37663160

Elevation (ft) 3220.8

Accuracy (ft) 14.99

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 1.2

Size Class B

Mature Tree (Branched) No

Flowering or Fruiting Stage (flowers, fruits, or none) None




Attachment

Relocation Not Applicable

13d75b0a03aa44ab841d3ect7ff77368.jpg

User Brian Bunyi

JT

JT 2181		12/7/2023
Joshua Tree JT 2181	Location 34.24009380°, -116.37645460° 3228.02 ft	
Latitude (WGS 84) 34.24009380	Longitude (WGS 84) -116.37645460	
Elevation (ft) 3228.02	Accuracy (ft) 12.46	
Date/Time 12/7/2023	Live or Dead Dead	
Mature Tree (Branched) No	Attachment	
		
		a72a010efcecc405e97d06975264dcedc.jpg
Relocation Not Applicable	User Brian Bunyi	

JT

JT 2182

12/7/2023

Joshua Tree JT 2182

Location 34.24052640°, -116.37581790°
3196.19 ft

Latitude (WGS 84) 34.24052640

Longitude (WGS 84) -116.37581790

Elevation (ft) 3196.19

Accuracy (ft) 12.09

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 0.4

Size Class A

Mature Tree (Branched) No

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment




Relocation Not Applicable


9fcfc46528d1448b98b310229f6fd91c.jpg

User Brian Bunyi


JT

JT 2183			12/11/2023
Joshua Tree JT 2183		Location 34.24068580°, -116.37714880° 3193.9 ft	
Latitude (WGS 84) 34.24068580		Longitude (WGS 84) -116.37714880	
Elevation (ft) 3193.9		Accuracy (ft) 12.8	
Date/Time 12/11/2023		Live or Dead Live	
Height of Tree (meters) 0.6		Size Class A	
Mature Tree (Branched) No		Flowering or Fruiting Stage (flowers, fruits, or none) None	
Attachment			Relocation Not Applicable
	5338b98e47e34f9bab1878b579bd8e89.jpg		
User Brian Bunyi			


JT

JT 2184		12/11/2023
Joshua Tree JT 2184	Location 34.23963710°, -116.37766240° 3194.23 ft	
Latitude (WGS 84) 34.23963710	Longitude (WGS 84) -116.37766240	
Elevation (ft) 3194.23	Accuracy (ft) 12.8	
Date/Time 12/11/2023	Live or Dead Live	
Height of Tree (meters) 4.3	Size Class B	
Mature Tree (Branched) Yes	Flowering or Fruiting Stage (flowers, fruits, or none) None	
Attachment		Relocation Not Applicable
	4aebbfd31eba4e69b649ac507151176a.jpg	
User Brian Bunyi		


JT

JT 2185										12/11/2023
Joshua Tree	JT 2185	Location	34.23963770°, -116.37767100° 3194.23 ft							
Latitude (WGS 84)	34.23963770	Longitude (WGS 84)	-116.37767100							
Elevation (ft)	3194.23	Accuracy (ft)	12.8							
Date/Time	12/11/2023	Live or Dead	Live							
Height of Tree (meters)	0.7	Size Class	A							
Mature Tree (Branched)	No	Flowering or Fruiting Stage (flowers, fruits, or none)	None							
Attachment			Relocation	Not Applicable						
	db4cf59023c2477397324517e56bce8b.jpg									
User	Brian Bunyi									


JT

JT 2186										12/11/2023
Joshua Tree	JT 2186	Location	34.23934550°, -116.37756290° 3200.13 ft							
Latitude (WGS 84)	34.23934550	Longitude (WGS 84)	-116.37756290							
Elevation (ft)	3200.13	Accuracy (ft)	11.99							
Date/Time	12/11/2023	Live or Dead	Live							
Height of Tree (meters)	6.6	Size Class	C							
Mature Tree (Branched)	Yes	Flowering or Fruiting Stage (flowers, fruits, or none)	None							
Attachment			Relocation	Not Applicable						
	7acbc52886d043d5b25fa432cba47ebd.jpg									
User	Brian Bunyi									

JT

JT 2187		12/11/2023
Joshua Tree JT 2187	Location 34.23926690°, -116.37756670° 3191.93 ft	
Latitude (WGS 84) 34.23926690	Longitude (WGS 84) -116.37756670	
Elevation (ft) 3191.93	Accuracy (ft) 12.54	
Date/Time 12/11/2023	Live or Dead Dead	
Mature Tree (Branched) No	Attachment	
		
		0790846222d9426da308b217b5d30687.jpg
Relocation Not Applicable	User Brian Bunyi	

JT

JT 2188		12/11/2023
Joshua Tree	JT 2188	
Location	34.23919850°, -116.37766980° 3193.57 ft	
Latitude (WGS 84)	34.23919850	Longitude (WGS 84)
Elevation (ft)	3193.57	Accuracy (ft)
Date/Time	12/11/2023	Live or Dead
Height of Tree (meters)	4.2	Size Class
Mature Tree (Branched)	Yes	Flowering or Fruiting Stage (flowers, fruits, or none)
Attachment	 <p>79283cc237304195883d03eb77438fa06.jpg</p>	
User	Brian Bunyi	
Relocation	Not Applicable	

JT

JT 2189

12/11/2023

Joshua Tree JT 2189

Location 34.23908360°, -116.37783790°
3191.93 ft

Latitude (WGS 84) 34.23908360

Longitude (WGS 84) -116.37783790

Elevation (ft) 3191.93

Accuracy (ft) 12.12

Date/Time 12/11/2023

Live or Dead Live

Height of Tree (meters) 4.4

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None




Attachment

Relocation Not Applicable


f4d9054f9c7d49f89f6c43d1aac9bdc1.jpg

User Brian Bunyi

JT

JT 2190		12/11/2023
Joshua Tree JT 2190	Location 34.23884820°, -116.37766830° 3195.54 ft	
Latitude (WGS 84) 34.23884820	Longitude (WGS 84) -116.37766830	
Elevation (ft) 3195.54	Accuracy (ft) 13.03	
Date/Time 12/11/2023	Live or Dead Dead	
Mature Tree (Branched) No	Attachment	
		
	023a145aa04944699aacd17b39106423.jpg	
Relocation Not Applicable	User Brian Bunyi	


JT

JT 2191		12/11/2023
Joshua Tree JT 2191	Location 34.23882290°, -116.37760980° 3184.38 ft	
Latitude (WGS 84) 34.23882290	Longitude (WGS 84) -116.37760980	
Elevation (ft) 3184.38	Accuracy (ft) 13.84	
Date/Time 12/11/2023	Live or Dead Dead	
Mature Tree (Branched) No	Attachment	
		
		c039596574d442a19fe75e2feb58d39c.jpg
Relocation Not Applicable	User Brian Bunyi	


JT

JT 2192		12/11/2023
Joshua Tree JT 2192	Location 34.23887870°, -116.37745860° 3196.85 ft	
Latitude (WGS 84) 34.23887870	Longitude (WGS 84) -116.37745860	
Elevation (ft) 3196.85	Accuracy (ft) 12.85	
Date/Time 12/11/2023	Live or Dead Live	
Height of Tree (meters) 5.1	Size Class C	
Mature Tree (Branched) Yes	Flowering or Fruiting Stage (flowers, fruits, or none) None	
Attachment		Relocation Not Applicable
	212b7b6b97b149f083c5e6d4b22d4f40.jpg	
User Brian Bunyi		

JT

JT 2193		12/11/2023
Joshua Tree JT 2193	Location 34.23894610°, -116.37734720° 3198.49 ft	
Latitude (WGS 84) 34.23894610	Longitude (WGS 84) -116.37734720	
Elevation (ft) 3198.49	Accuracy (ft) 12.46	
Date/Time 12/11/2023	Live or Dead Dead	
Mature Tree (Branched) No	Attachment	
		
	e9f3a8b6c0604e8abdf79214c2af4939.jpg	
Relocation Not Applicable	User Brian Bunyi	

JT

JT 2194		12/11/2023
Joshua Tree	JT 2194	
Location	34.23909240°, -116.37747720° 3193.9 ft	
Latitude (WGS 84)	34.23909240	
Longitude (WGS 84)	-116.37747720	
Elevation (ft)	3193.9	
Accuracy (ft)	12.46	
Date/Time	12/11/2023	
Live or Dead	Dead	
Mature Tree (Branched)	No	
Attachment		
Relocation	Not Applicable	
User	Brian Bunyi	
	f07be0d5872043c2bdde3d3d631c1a7d.jpg	

JT

JT 2195		12/11/2023
Joshua Tree JT 2195	Location 34.23926880°, -116.37729220° 3193.9 ft	
Latitude (WGS 84) 34.23926880	Longitude (WGS 84) -116.37729220	
Elevation (ft) 3193.9	Accuracy (ft) 12.76	
Date/Time 12/11/2023	Live or Dead Live	
Height of Tree (meters) 3.9	Size Class B	
Mature Tree (Branched) Yes	Flowering or Fruiting Stage (flowers, fruits, or none) None	
Attachment	 <p data-bbox="1372 1333 1404 1774">cab34f85949c4b919b492dad13d21240.jpg</p>	Relocation Not Applicable
User Brian Bunyi		

JT

JT 2196

12/11/2023

Joshua Tree JT 2196

Location 34.23937060°, -116.37727990°
3194.55 ft

Latitude (WGS 84) 34.23937060

Longitude (WGS 84) -116.37727990

Elevation (ft) 3194.55

Accuracy (ft) 12.18

Date/Time 12/11/2023

Live or Dead Live

Height of Tree (meters) 3.8

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment




Relocation Not Applicable


a3f8e8cb7f5f43f5a2f13301039fe9c9.jpg

User Brian Bunyi


JT

JT 2197		12/11/2023
Joshua Tree JT 2197	Location 34.23926330°, -116.37702360° 3199.15 ft	
Latitude (WGS 84) 34.23926330	Longitude (WGS 84) -116.37702360	
Elevation (ft) 3199.15	Accuracy (ft) 12.79	
Date/Time 12/11/2023	Live or Dead Dead	
Mature Tree (Branched) No	Attachment	
		
	acc79aa2337e44a288e2c0fb2e8a405f.jpg	
Relocation Not Applicable	User Brian Bunyi	


JT

JT 2198			12/11/2023	
Joshua Tree	JT 2198	Location	34.23919450°, -116.37717330° 3196.52 ft	
Latitude (WGS 84)	34.23919450	Longitude (WGS 84)	-116.37717330	
Elevation (ft)	3196.52	Accuracy (ft)	13.06	
Date/Time	12/11/2023	Live or Dead	Live	
Height of Tree (meters)	2.5	Size Class	B	
Mature Tree (Branched)	No	Flowering or Fruiting Stage (flowers, fruits, or none)	None	
Attachment			Relocation	Not Applicable
				<p>c808be80141d44abb9fe628577e4d1a.jpg</p> <p>User Brian Bunyi</p>


JT

JT 2199		12/11/2023
Joshua Tree JT 2199	Location 34.23893250°, -116.37715480° 3196.85 ft	
Latitude (WGS 84) 34.23893250	Longitude (WGS 84) -116.37715480	
Elevation (ft) 3196.85	Accuracy (ft) 12.69	
Date/Time 12/11/2023	Live or Dead Dead	
Mature Tree (Branched) No	Attachment	
		
	0f2d9c7d5ec84d6794a1c4c7439733d4.jpg	
Relocation Not Applicable	User Brian Bunyi	

JT

JT 2200		12/11/2023
Joshua Tree JT 2200	Location 34.23887410°, -116.37696240° 3198.16 ft	
Latitude (WGS 84) 34.23887410	Longitude (WGS 84) -116.37696240	
Elevation (ft) 3198.16	Accuracy (ft) 12.45	
Date/Time 12/11/2023	Live or Dead Dead	
Mature Tree (Branched) No	Attachment	
		
	0993526a4abe4000af527f8bd851 df02.jpg	
Relocation Not Applicable	User Brian Bunyi	

JT

JT 2423		12/7/2023
Joshua Tree JT 2423	Location 34.24145467°, -116.37516917° 3307.09 ft	
Latitude (WGS 84) 34.24145467	Longitude (WGS 84) -116.37516917	
Elevation (ft) 3307.09	Accuracy (ft) 4.56	
Date/Time 12/7/2023	Live or Dead Dead	
Mature Tree (Branched) No	Attachment	
		
		ba33a5679ef64fa482ba4ff2a68dd11c.jpg
Relocation Not Applicable	User Ryan Hunter	

JT

JT 2424

12/7/2023

Joshua Tree JT 2424

Location 34.24177617°, -116.37539417°
3298.23 ft

Latitude (WGS 84) 34.24177617

Longitude (WGS 84) -116.37539417

Elevation (ft) 3298.23

Accuracy (ft) 4.64

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 5.2

Size Class C

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment




Relocation Not Applicable

9fd248aebefe40ed9d667b738deefd79.jpg

User Ryan Hunter

JT

JT 2425	12/7/2023
Joshua Tree JT 2425	Location 34.24220550°, -116.37575700° 3294.62 ft
Latitude (WGS 84) 34.24220550	Longitude (WGS 84) -116.37575700
Elevation (ft) 3294.62	Accuracy (ft) 5.06
Date/Time 12/7/2023	Live or Dead Live
Height of Tree (meters) 4	Size Class B
Mature Tree (Branched) Yes	Flowering or Fruiting Stage (flowers, fruits, or none) None
Attachment	Relocation Not Applicable
 <p data-bbox="1372 1333 1412 1774">7d3d23ce3c6d406da4bfb624ff1813d.jpg</p>	
User Ryan Hunter	

JT

JT 2426

12/7/2023

Joshua Tree JT 2426

Location 34.24222317°, -116.37528550°
3290.35 ft

Latitude (WGS 84) 34.24222317

Longitude (WGS 84) -116.37528550

Elevation (ft) 3290.35

Accuracy (ft) 5.38

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 3.3

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable

6cd4b5cceaeb04684924b5a8646899c10.jpg

User Ryan Hunter

JT

JT 2427

12/7/2023

Joshua Tree JT 2427

Location 34.24219833°, -116.37502783°
3290.03 ft

Latitude (WGS 84) 34.24219833

Longitude (WGS 84) -116.37502783

Elevation (ft) 3290.03

Accuracy (ft) 4.98

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 3.2

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable

6ab25ddea9884695b6018abaeac7b980.jpg

User Ryan Hunter

JT

JT 2428

12/7/2023

Joshua Tree JT 2428

Location 34.24224583, -116.37485033°
3302.17 ft

Latitude (WGS 84) 34.24224583

Longitude (WGS 84) -116.37485033

Elevation (ft) 3302.17

Accuracy (ft) 5.59

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 4.5

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable

ae9e3b2b442f47bb88b1530907d24461.jpg

User Ryan Hunter

JT

JT 2429

12/7/2023

Joshua Tree JT 2429

Location 34.24223933°, -116.37484667°
3295.28 ft

Latitude (WGS 84) 34.24223933

Longitude (WGS 84) -116.37484667

Elevation (ft) 3295.28

Accuracy (ft) 4.46

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 0.1

Size Class A

Mature Tree (Branched) No

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable

37e6afb0d5e14fb0bbd90f02efb5eeb1.jpg

User Ryan Hunter

JT

JT 2430

12/7/2023

Joshua Tree JT 2430

Location 34.24224833, -116.37484767
3295.28 ft

Latitude (WGS 84) 34.24224833

Longitude (WGS 84) -116.37484767

Elevation (ft) 3295.28

Accuracy (ft) 4.83

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 0.2

Size Class A

Mature Tree (Branched) No

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable

980bdc226b2b4012b4d75045e43e8fb4.jpg

User Ryan Hunter

JT

JT 2431

12/7/2023

Joshua Tree JT 2431

Location 34.24224317°, -116.37484483°
3297.9 ft

Latitude (WGS 84) 34.24224317

Longitude (WGS 84) -116.37484483

Elevation (ft) 3297.9

Accuracy (ft) 4.77

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 0.1

Size Class A

Mature Tree (Branched) No

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable

698931ed13e8464aa60d5cca7ef1586.jpg

User Ryan Hunter

JT

JT 2432

12/7/2023

Joshua Tree JT 2432

Location 34.24250467°, -116.37374417°
3289.04 ft

Latitude (WGS 84) 34.24250467

Longitude (WGS 84) -116.37374417

Elevation (ft) 3289.04

Accuracy (ft) 5.59

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 4.4

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable

375755a151694ac3a960d66411c8af18.jpg

User Ryan Hunter

JT

JT 2433

12/7/2023

Joshua Tree JT 2433

Location 34.24277983°, -116.37405150°
3298.56 ft

Latitude (WGS 84) 34.24277983

Longitude (WGS 84) -116.37405150

Elevation (ft) 3298.56

Accuracy (ft) 5.8

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 2.4

Size Class B

Mature Tree (Branched) No

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable

e24cb5d82e5549188537a7b80a0e52c8.jpg

User Ryan Hunter

JT

JT 2434

12/7/2023

Joshua Tree JT 2434

Location 34.24280000°, -116.37386600°
3300.2 ft

Latitude (WGS 84) 34.24280000

Longitude (WGS 84) -116.37386600

Elevation (ft) 3300.2

Accuracy (ft) 5.1

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 2.8

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable

ed4e2905b2bb442989a5c1be16d8cc0b.jpg

User Ryan Hunter

JT

JT 2435

12/7/2023

Joshua Tree JT 2435

Location 34.24313483°, -116.37364483°
3304.13 ft

Latitude (WGS 84) 34.24313483

Longitude (WGS 84) -116.37364483

Elevation (ft) 3304.13

Accuracy (ft) 5.57

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 5.0

Size Class C

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable

627549c30b2d485e8eb3429275c4563a.jpg

User Ryan Hunter

JT

JT 2436

12/7/2023

Joshua Tree JT 2436

Location 34.24317117°, -116.37351350°
3307.74 ft

Latitude (WGS 84) 34.24317117

Longitude (WGS 84) -116.37351350

Elevation (ft) 3307.74

Accuracy (ft) 5.57

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 2

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable

53a8177d2de1471f94b4eac6972e8f87.jpg

User Ryan Hunter

JT

JT 2437

12/7/2023

Joshua Tree JT 2437

Location 34.24313433°, -116.37319850°
3311.68 ft

Latitude (WGS 84) 34.24313433

Longitude (WGS 84) -116.37319850

Elevation (ft) 3311.68

Accuracy (ft) 5.12

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 2.5

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



b1d41ad1e66649e4866df31e41d1fb2d.jpg




b5ad56528b0b42bebc9b9f54803d8ac2.jpg

Relocation Not Applicable

Additional Notes Lower branch

User Ryan Hunter

JT

JT 2438		12/7/2023
Joshua Tree JT 2438	Location 34.24313733°, -116.37319683° 3306.43 ft	
Latitude (WGS 84) 34.24313733	Longitude (WGS 84) -116.37319683	
Elevation (ft) 3306.43	Accuracy (ft) 5.34	
Date/Time 12/7/2023	Live or Dead Live	
Height of Tree (meters) 0.9	Size Class A	
Mature Tree (Branched) No	Flowering or Fruiting Stage (flowers, fruits, or none) None	
Attachment		Relocation Not Applicable
	<p>d8a903eb4ecb400a8421161357e9d9ea.jpg</p>	User Ryan Hunter

JT

JT 2439

12/7/2023

Joshua Tree JT 2439

Location 34.24314033°, -116.37320717°
3307.41 ft

Latitude (WGS 84) 34.24314033

Longitude (WGS 84) -116.37320717

Elevation (ft) 3307.41

Accuracy (ft) 4.64

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 0.3

Size Class A

Mature Tree (Branched) No

Flowering or Fruiting Stage (flowers, fruits, or none) None



Attachment

Relocation Not Applicable

a5f605ebdd514a4ca8d7f0e25b9a4e36.jpg

User Ryan Hunter

JT

JT 2440

12/7/2023

Joshua Tree JT 2440

Location 34.24350000°, -116.37390383°
3299.54 ft

Latitude (WGS 84) 34.24350000

Longitude (WGS 84) -116.37390383

Elevation (ft) 3299.54

Accuracy (ft) 5.57

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 1.8

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable

d79fc6f5afd9451dbc4616d6af28377d.jpg

User Ryan Hunter

JT

JT 2441

12/7/2023

Joshua Tree JT 2441

Location 34.24049867°, -116.37494633°
3296.92 ft

Latitude (WGS 84) 34.24049867

Longitude (WGS 84) -116.37494633

Elevation (ft) 3296.92

Accuracy (ft) 6.83

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 4.4

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment




Relocation Not Applicable

3216c170a2c84858991900d11e09d4c6.jpg

User Ryan Hunter

JT

JT 2442		12/7/2023
Joshua Tree	JT 2442	
Location	34.23993733°, -116.37466983° 3321.19 ft	
Latitude (WGS 84)	34.23993733	Longitude (WGS 84) -116.37466983
Elevation (ft)	3321.19	Accuracy (ft) 7.1
Date/Time	12/7/2023	Live or Dead Live
Height of Tree (meters)	3	Size Class B
Mature Tree (Branched)	Yes	Flowering or Fruiting Stage (flowers, fruits, or none) None
Attachment		Relocation Not Applicable
	42efe0924bba4fbbba238d4520759299e.jpg	
User	Ryan Hunter	

JT

JT 2443

12/7/2023

Joshua Tree JT 2443

Location 34.23986667°, -116.37454883°
3320.54 ft

Latitude (WGS 84) 34.23986667

Longitude (WGS 84) -116.37454883

Elevation (ft) 3320.54

Accuracy (ft) 5.59

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 3

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable

120f1c85356942eb8cece5d67b7f6ae8.jpg

User Ryan Hunter

JT

JT 2444

12/7/2023

Joshua Tree JT 2444

Location 34.23987150°, -116.37455567°
3319.88 ft

Latitude (WGS 84) 34.23987150

Longitude (WGS 84) -116.37455567

Elevation (ft) 3319.88

Accuracy (ft) 6.73

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 1

Size Class B

Mature Tree (Branched) No

Flowering or Fruiting Stage (flowers, fruits, or none) None



Attachment

Relocation Not Applicable

5b36f4357c4e4ed1b03506e7a1fe6cfb.jpg

User Ryan Hunter

JT

JT 2445

12/7/2023

Joshua Tree JT 2445

Location 34.23987450°, -116.37455283°
3321.52 ft

Latitude (WGS 84) 34.23987450

Longitude (WGS 84) -116.37455283

Elevation (ft) 3321.52

Accuracy (ft) 9.98

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 0.2

Size Class A

Mature Tree (Branched) No

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable

c4ac4d35c0a046979cf8cafe9556cb69.jpg

User Ryan Hunter

JT

JT 2446

12/7/2023

Joshua Tree JT 2446

Location 34.23993200°, -116.37448983°
3317.26 ft

Latitude (WGS 84) 34.23993200

Longitude (WGS 84) -116.37448983

Elevation (ft) 3317.26

Accuracy (ft) 5.59

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 0.9

Size Class A

Mature Tree (Branched) No

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment




Relocation Not Applicable


37b03d53cfe74083ac7cfea800de0538.jpg

User Ryan Hunter


JT

JT 2447		12/7/2023
Joshua Tree	JT 2447	
Location	34.23978950°, -116.37434550° 3318.57 ft	
Latitude (WGS 84)	34.23978950	
Longitude (WGS 84)	-116.37434550	
Elevation (ft)	3318.57	
Accuracy (ft)	6.05	
Date/Time	12/7/2023	
Live or Dead	Dead	
Mature Tree (Branched)	No	
Attachment		
Relocation	Not Applicable	
User	Ryan Hunter	
	09e739cc6a67492eb0814b67670bcfee.jpg	


JT

JT 2448		12/7/2023
Joshua Tree	JT 2448	
Location	34.23961217°, -116.37449483° 3324.15 ft	
Latitude (WGS 84)	34.23961217	Longitude (WGS 84) -116.37449483
Elevation (ft)	3324.15	Accuracy (ft) 6.27
Date/Time	12/7/2023	Live or Dead Dead
Mature Tree (Branched)	No	Attachment
		
Relocation	Not Applicable	User Ryan Hunter
<p>9cd586a2845a458d8c8c53c6d8802e02.jpg</p>		


JT

JT 2449		12/7/2023
Joshua Tree JT 2449	Location 34.23959067°, -116.37459533° 3332.35 ft	
Latitude (WGS 84) 34.23959067	Longitude (WGS 84) -116.37459533	
Elevation (ft) 3332.35	Accuracy (ft) 7.2	
Date/Time 12/7/2023	Live or Dead Dead	
Mature Tree (Branched) No	Attachment	
		
		f6a9d5b9a6da43fd936b66c0328fd496.jpg
Relocation Not Applicable	User Ryan Hunter	


JT

JT 2450		12/7/2023
Joshua Tree JT 2450	Location 34.23944717°, -116.37451700° 3335.63 ft	
Latitude (WGS 84) 34.23944717	Longitude (WGS 84) -116.37451700	
Elevation (ft) 3335.63	Accuracy (ft) 6.05	
Date/Time 12/7/2023	Live or Dead Dead	
Mature Tree (Branched) No	Attachment	
		
	594df33706a648058880f92a32d3e8ee.jpg	
Relocation Not Applicable	User Ryan Hunter	


JT

JT 2451		12/7/2023
Joshua Tree	JT 2451	
Location	34.23943900°, -116.37452000° 3335.63 ft	
Latitude (WGS 84)	34.23943900	Longitude (WGS 84) -116.37452000
Elevation (ft)	3335.63	Accuracy (ft) 5.59
Date/Time	12/7/2023	Live or Dead Live
Height of Tree (meters)	1.1	Size Class B
Mature Tree (Branched)	No	Flowering or Fruiting Stage (flowers, fruits, or none) None
Attachment		Relocation Not Applicable
	71db2c6e4bbd480089d815d71509f54a.jpg	
User	Ryan Hunter	

JT

JT 2452		12/7/2023
Joshua Tree JT 2452	Location 34.23959967°, -116.37406633° 3323.16 ft	
Latitude (WGS 84) 34.23959967	Longitude (WGS 84) -116.37406633	
Elevation (ft) 3323.16	Accuracy (ft) 5.59	
Date/Time 12/7/2023	Live or Dead Dead	
Mature Tree (Branched) No	Attachment	
		
Relocation Not Applicable	User Ryan Hunter	d12530c570d740a2bd0c40f00f51a19e.jpg

JT

JT 2453		12/7/2023
Joshua Tree JT 2453	Location 34.23956667°, -116.37395383° 3328.41 ft	
Latitude (WGS 84) 34.23956667	Longitude (WGS 84) -116.37395383	
Elevation (ft) 3328.41	Accuracy (ft) 5.59	
Date/Time 12/7/2023	Live or Dead Dead	
Mature Tree (Branched) No	Attachment	
		
		cb30f77fbde646d1b4d16480adf09829.jpg
Relocation Not Applicable	User Ryan Hunter	

JT

JT 2454

12/7/2023

Joshua Tree JT 2454

Location 34.23918317°, -116.37383933°
3340.55 ft

Latitude (WGS 84) 34.23918317

Longitude (WGS 84) -116.37383933

Elevation (ft) 3340.55

Accuracy (ft) 6.27

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 2.3

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



37e754c5c7364aa8912d055ac3564ab2.jpg



1007feb00c7c4bdfb0f6e083f56d9f2b.jpg

Relocation Not Applicable

User Ryan Hunter

JT

JT 2455

12/7/2023

Joshua Tree JT 2455

Location 34.23909317°, -116.37380250°
3337.6 ft

Latitude (WGS 84) 34.23909317

Longitude (WGS 84) -116.37380250

Elevation (ft) 3337.6

Accuracy (ft) 5.8

Date/Time 12/7/2023

Live or Dead Live

Height of Tree 2 (meters)

Size Class B

Mature Tree No (Branched)

Flowering or Fruiting Stage None (flowers, fruits, or none)

Attachment




Relocation Not Applicable

44d23325ddaf41e3bd62eab64a199af0.jpg

User Ryan Hunter

JT

JT 2456		12/7/2023
Joshua Tree	JT 2456	
Location	34.23909367°, -116.37381283° 3338.58 ft	
Latitude (WGS 84)	34.23909367	Longitude (WGS 84) -116.37381283
Elevation (ft)	3338.58	Accuracy (ft) 5.57
Date/Time	12/7/2023	Live or Dead Live
Height of Tree (meters)	0.2	Size Class A
Mature Tree (Branched)	No	Flowering or Fruiting Stage (flowers, fruits, or none) None
Attachment		Relocation Not Applicable
User	Ryan Hunter	

e86bffabf56c43e1a7961ec91ad08096.jpg

JT

JT 2457

12/7/2023

Joshua Tree JT 2457

Location 34.23929033°, -116.37324800°
3334.65 ft

Latitude (WGS 84) 34.23929033

Longitude (WGS 84) -116.37324800

Elevation (ft) 3334.65

Accuracy (ft) 5.8

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 2.3

Size Class B

Mature Tree (Branched) No

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable

537e11a7ea294beb92bd871e25c94aff.jpg

User Ryan Hunter

JT

JT 2459

12/7/2023

Joshua Tree JT 2459

Location 34.23928450°, -116.37325650°
3328.74 ft

Latitude (WGS 84) 34.23928450

Longitude (WGS 84) -116.37325650

Elevation (ft) 3328.74

Accuracy (ft) 5.34

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 0.3

Size Class A

Mature Tree (Branched) No

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment




Relocation Not Applicable


642a82fb71aa474cb80ac7fd8a05335ea.jpg

User Ryan Hunter


JT

JT 2460		12/7/2023
Joshua Tree JT 2460	Location 34.23928083°, -116.37324517° 3332.68 ft	
Latitude (WGS 84) 34.23928083	Longitude (WGS 84) -116.37324517	
Elevation (ft) 3332.68	Accuracy (ft) 6.03	
Date/Time 12/7/2023	Live or Dead Live	
Height of Tree (meters) 0.3	Size Class A	
Mature Tree (Branched) Yes	Flowering or Fruiting Stage (flowers, fruits, or none) None	
Attachment		Relocation Not Applicable
Additional Notes Lower branches	fe92528f9c5b462dba25788040bf4d94.jpg	User Ryan Hunter


JT

JT 2461		12/7/2023
Joshua Tree	JT 2461	
Location	34.23907367°, -116.37276700° 3362.53 ft	
Latitude (WGS 84)	34.23907367	Longitude (WGS 84) -116.37276700
Elevation (ft)	3362.53	Accuracy (ft) 6.5
Date/Time	12/7/2023	Live or Dead Live
Height of Tree (meters)	0.6	Size Class A
Mature Tree (Branched)	No	Flowering or Fruiting Stage (flowers, fruits, or none) None
Attachment		Relocation Not Applicable
	83c3701360e647f7855ce108da885add.jpg	
User	Ryan Hunter	




JT

JT 2462		12/7/2023
Joshua Tree JT 2462	Location 34.23905417°, -116.37271667° 3361.55 ft	
Latitude (WGS 84) 34.23905417	Longitude (WGS 84) -116.37271667	
Elevation (ft) 3361.55	Accuracy (ft) 6.03	
Date/Time 12/7/2023	Live or Dead Dead	
Mature Tree (Branched) No	Attachment	
		
	6ccf2bdbcb3ca4179b4baa754920503d8.jpg	
Relocation Not Applicable	User Ryan Hunter	

JT

JT 2463		12/7/2023
Joshua Tree JT 2463	Location 34.23911817°, -116.37270383° 3356.96 ft	
Latitude (WGS 84) 34.23911817	Longitude (WGS 84) -116.37270383	
Elevation (ft) 3356.96	Accuracy (ft) 5.57	
Date/Time 12/7/2023	Live or Dead Live	
Height of Tree (meters) 0.5	Size Class A	
Mature Tree (Branched) No	Flowering or Fruiting Stage (flowers, fruits, or none) None	
Attachment	Relocation Not Applicable	
		
	c085025a90d94674b4d4fa19b409296f.jpg	
User Ryan Hunter		

JT

JT 2464	12/7/2023
Joshua Tree JT 2464	Location 34.23912833°, -116.37268233° 3348.75 ft
Latitude (WGS 84) 34.23912833	Longitude (WGS 84) -116.37268233
Elevation (ft) 3348.75	Accuracy (ft) 5.57
Date/Time 12/7/2023	Live or Dead Live
Height of Tree (meters) 1.9	Size Class B
Mature Tree (Branched) Yes	Flowering or Fruiting Stage (flowers, fruits, or none) None
Attachment  	 <p data-bbox="1372 1344 1404 1764">232388f1676d453b90dac67ef098a523.jpg</p> <p data-bbox="1372 525 1404 945">3ff31d56b8804137949015a1fa73849b.jpg</p>
Relocation Not Applicable	Additional Notes Lower branch
User Ryan Hunter	

JT

JT 2465

12/7/2023

Joshua Tree JT 2465

Location 34.23901350°, -116.37252533°
3369.75 ft

Latitude (WGS 84) 34.23901350

Longitude (WGS 84) -116.37252533

Elevation (ft) 3369.75

Accuracy (ft) 6.27

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 0.4

Size Class A

Mature Tree (Branched) No

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable

f7bcd401f4b14bca81278d5b808654f5.jpg

User Ryan Hunter

JT

JT 2466

12/7/2023

Joshua Tree JT 2466

Location 34.23944650°, -116.37240217°
3329.4 ft

Latitude (WGS 84) 34.23944650

Longitude (WGS 84) -116.37240217

Elevation (ft) 3329.4

Accuracy (ft) 5.57

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 3.4

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment




Relocation Not Applicable


db0804750f4349418035b2ab9907a2f2.jpg

User Ryan Hunter

JT

JT 2467		12/7/2023
Joshua Tree	JT 2467	
Location	34.23968017°, -116.37245217° 3319.88 ft	
Latitude (WGS 84)	34.23968017	
Longitude (WGS 84)	-116.37245217	
Elevation (ft)	3319.88	
Accuracy (ft)	4.06	
Date/Time	12/7/2023	
Live or Dead	Live	
Height of Tree (meters)	3.2	
Mature Tree (Branched)	Yes	
Size Class	B	
Flowering or Fruiting Stage (flowers, fruits, or none)	None	
Relocation	Not Applicable	
Attachment		
	1793cbdae87044f1acf96f288b577877.jpg	
User	Ryan Hunter	

JT

JT 2468		12/7/2023
Joshua Tree JT 2468	Location 34.23962367°, -116.37275750° 3321.85 ft	
Latitude (WGS 84) 34.23962367	Longitude (WGS 84) -116.37275750	
Elevation (ft) 3321.85	Accuracy (ft) 4.17	
Date/Time 12/7/2023	Live or Dead Dead	
Mature Tree (Branched) No	Attachment	
		
Relocation Not Applicable	User Ryan Hunter	51fdc212793a4fd98e6372822588fe5a.jpg

JT

JT 2469

12/7/2023

Joshua Tree JT 2469

Location 34.23956433°, -116.37285783°
3332.68 ft

Latitude (WGS 84) 34.23956433

Longitude (WGS 84) -116.37285783

Elevation (ft) 3332.68

Accuracy (ft) 4.39

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 1.4

Size Class B

Mature Tree (Branched) No

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment




Relocation Not Applicable

418d2670f92b4630bc7f0d50c260ef9e.jpg

User Ryan Hunter

JT

JT 2470	12/7/2023
Joshua Tree JT 2470	Location 34.23945183°, -116.37277267° 3332.02 ft
Latitude (WGS 84) 34.23945183	Longitude (WGS 84) -116.37277267
Elevation (ft) 3332.02	Accuracy (ft) 4.43
Date/Time 12/7/2023	Live or Dead Live
Height of Tree (meters) 3.2	Size Class B
Mature Tree (Branched) Yes	Flowering or Fruiting Stage (flowers, fruits, or none) None
Attachment	Relocation Not Applicable
	
d8941eaa34764acf86fa31ccf2af6c31.jpg	
User Ryan Hunter	

JT

JT 2471

12/7/2023

Joshua Tree JT 2471

Location 34.23948767°, -116.37297517°
3331.69 ft

Latitude (WGS 84) 34.23948767

Longitude (WGS 84) -116.37297517

Elevation (ft) 3331.69

Accuracy (ft) 3.72

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 2.4

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable

fbce2a9860b90446894dc7e1947894ce1.jpg

User Ryan Hunter

JT

JT 2472

12/7/2023

Joshua Tree JT 2472

Location 34.23942100°, -116.37308333°
3332.68 ft

Latitude (WGS 84) 34.23942100

Longitude (WGS 84) -116.37308333

Elevation (ft) 3332.68

Accuracy (ft) 3.94

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 2.1

Size Class B

Mature Tree (Branched) No

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable

68e1b5197e7848718fc187709bfeb30.jpg

User Ryan Hunter

JT

JT 2473

12/7/2023

Joshua Tree JT 2473

Location 34.23942533°, -116.37307200°
3334.65 ft

Latitude (WGS 84) 34.23942533

Longitude (WGS 84) -116.37307200

Elevation (ft) 3334.65

Accuracy (ft) 3.76

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 0.6

Size Class A

Mature Tree (Branched) No

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable

89cee477bf764416b4f30904eb7faf7e.jpg

User Ryan Hunter

JT

JT 2474

12/7/2023

Joshua Tree JT 2474

Location 34.23994750°, -116.37319750°
3325.13 ft

Latitude (WGS 84) 34.23994750

Longitude (WGS 84) -116.37319750

Elevation (ft) 3325.13

Accuracy (ft) 6.03

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 2.1

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



f93c74fbfe074e2fa96501dcd5e6c0e4.jpg

Relocation Not Applicable

User Ryan Hunter

JT

JT 2475

12/7/2023

Joshua Tree JT 2475

Location 34.23995283°, -116.37358300°
3320.87 ft

Latitude (WGS 84) 34.23995283

Longitude (WGS 84) -116.37358300

Elevation (ft) 3320.87

Accuracy (ft) 5.8

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 3.4

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment






Relocation Not Applicable


65ab93c6cc8b4c3a9a7aed9bb43a3e85.jpg

User Ryan Hunter

JT

JT 2476	12/7/2023
Joshua Tree JT 2476	Location 34.23998967°, -116.37363750° 3331.36 ft
Latitude (WGS 84) 34.23998967	Longitude (WGS 84) -116.37363750
Elevation (ft) 3331.36	Accuracy (ft) 4.88
Date/Time 12/7/2023	Live or Dead Live
Height of Tree (meters) 3.9	Size Class B
Mature Tree (Branched) Yes	Flowering or Fruiting Stage (flowers, fruits, or none) None
Attachment  	 d3293c0bdd644e969f12f52185657220.jpg d6f1b667b1534bd399865fe70b939d49.jpg
Relocation Not Applicable	Additional Notes Lower branch
User Ryan Hunter	

JT

JT 2477		12/7/2023
Joshua Tree	JT 2477	
Location	34.23996883°, -116.37368550° 3329.4 ft	
Latitude (WGS 84)	34.23996883	Longitude (WGS 84) -116.37368550
Elevation (ft)	3329.4	Accuracy (ft) 4.88
Date/Time	12/7/2023	
Height of Tree (meters)	3.4	
Mature Tree (Branched)	Yes	
Flowering or Fruiting Stage (flowers, fruits, or none)	None	
Relocation	Not Applicable	
Attachment		
	d9f623d5a78e4ec08d0619e7bc4415d8.jpg	
User	Ryan Hunter	

JT

JT 2478

12/7/2023

Joshua Tree JT 2478

Location 34.24001000°, -116.37407900°
3328.74 ft

Latitude (WGS 84) 34.24001000

Longitude (WGS 84) -116.37407900

Elevation (ft) 3328.74

Accuracy (ft) 3.78

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 5

Size Class C

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable

c361515f6c134c2eb2c43fcc44a41b8e.jpg

User Ryan Hunter

JT

JT 2479										12/7/2023
Joshua Tree	JT 2479									
Location	34.23994883°, -116.37426533° 3323.16 ft									
Latitude (WGS 84)	34.23994883									
Longitude (WGS 84)	-116.37426533									
Elevation (ft)	3323.16									
Accuracy (ft)	3.39									
Date/Time	12/7/2023									
Live or Dead	Live									
Height of Tree (meters)	2.3									
Size Class	B									
Mature Tree (Branched)	Yes									
Flowering or Fruiting Stage (flowers, fruits, or none)	None									
Relocation	Not Applicable									
User	Ryan Hunter									

JT

JT 2480

12/7/2023

Joshua Tree JT 2480

Location 34.24020133°, -116.37413700°
3321.85 ft

Latitude (WGS 84) 34.24020133

Longitude (WGS 84) -116.37413700

Elevation (ft) 3321.85

Accuracy (ft) 5.1

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 4.1

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable

272dce923cb0492e838f06566862fde2.jpg

User Ryan Hunter

JT

JT 2481

12/7/2023

Joshua Tree JT 2481

Location 34.24030917°, -116.37552383°
3305.45 ft

Latitude (WGS 84) 34.24030917

Longitude (WGS 84) -116.37552383

Elevation (ft) 3305.45

Accuracy (ft) 6.51

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 2.6

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable

d5efcc60c8ff41068e191f2fc05e3c0e.jpg

User Ryan Hunter

JT

JT 2482

12/7/2023

Joshua Tree JT 2482

Location 34.24031133°, -116.37552550°
3307.74 ft

Latitude (WGS 84) 34.24031133

Longitude (WGS 84) -116.37552550

Elevation (ft) 3307.74

Accuracy (ft) 5.34

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 0.4

Size Class A

Mature Tree (Branched) No

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable

c4b2628b4f9649f49cc0fe016758a816.jpg

User Ryan Hunter

JT

JT 2483

12/7/2023

Joshua Tree JT 2483

Location 34.24031300°, -116.37552500°
3305.45 ft

Latitude (WGS 84) 34.24031300

Longitude (WGS 84) -116.37552500

Elevation (ft) 3305.45

Accuracy (ft) 5.1

Date/Time 12/7/2023

Live or Dead Live

Height of Tree (meters) 0.4

Size Class A

Mature Tree (Branched) No

Flowering or Fruiting Stage (flowers, fruits, or none) None




Attachment

Relocation Not Applicable

fe68ffad108f41ac812ca4eb7699e011.jpg

User Ryan Hunter

JT

JT 2484		12/7/2023
Joshua Tree JT 2484	Location 34.24027580°, -116.37555710° 3214.24 ft	
Latitude (WGS 84) 34.24027580	Longitude (WGS 84) -116.37555710	
Elevation (ft) 3214.24	Accuracy (ft) 14.39	
Date/Time 12/7/2023	Live or Dead Dead	
Mature Tree (Branched) No	Attachment	
		
	3acc90de31034bc8932da977d797b7bd1.jpg	
Relocation Not Applicable	Additional Notes cloud sync pic on phone	
User Brian Bunyi		

JT

JT 2485

12/11/2023

Joshua Tree JT 2485

Location 34.24128450°, -116.37688300°
3187.99 ft

Latitude (WGS 84) 34.24128450

Longitude (WGS 84) -116.37688300

Elevation (ft) 3187.99

Accuracy (ft) 12.8

Date/Time 12/11/2023

Live or Dead Live

Height of Tree (meters) 1.8

Size Class B

Mature Tree (Branched) No

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable

c656550f5434ad0a1c7120a682f473b.jpg

User Brian Bunyi

JT

JT 2486

12/11/2023

Joshua Tree JT 2486

Location 34.24126860°, -116.37709810°
3184.71 ft

Latitude (WGS 84) 34.24126860

Longitude (WGS 84) -116.37709810

Elevation (ft) 3184.71

Accuracy (ft) 14.9

Date/Time 12/11/2023

Live or Dead Live

Height of Tree (meters) 2.9

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment




Relocation Not Applicable

259ee5c7bd654c01945cccc2bfcefc07.jpg

User Brian Bunyi

JT

JT 2487	12/11/2023
Joshua Tree JT 2487	Location 34.24135530°, -116.37731430° 3181.76 ft
Latitude (WGS 84) 34.24135530	Longitude (WGS 84) -116.37731430
Elevation (ft) 3181.76	Accuracy (ft) 13.96
Date/Time 12/11/2023	Live or Dead Live
Height of Tree (meters) 2.3	Size Class B
Mature Tree (Branched) No	Flowering or Fruiting Stage (flowers, fruits, or none) None
Attachment	Relocation Not Applicable
	
3d27ba3a65a748b6b80af516830d1acc.jpg	
User Brian Bunyi	

JT

JT 2488

12/11/2023

Joshua Tree JT 2488

Location 34.24130270°, -116.37748020°
3181.43 ft

Latitude (WGS 84) 34.24130270

Longitude (WGS 84) -116.37748020

Elevation (ft) 3181.43

Accuracy (ft) 14.61

Date/Time 12/11/2023

Live or Dead Live

Height of Tree (meters) 2.0

Size Class B

Mature Tree (Branched) No

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable

225b4de7047d4e71ae5bd8efa824a27b.jpg

User Brian Bunyi

JT

JT 2489

12/11/2023

Joshua Tree JT 2489

Location 34.24135460°, -116.37753650°
3182.41 ft

Latitude (WGS 84) 34.24135460

Longitude (WGS 84) -116.37753650

Elevation (ft) 3182.41

Accuracy (ft) 15.36

Date/Time 12/11/2023

Live or Dead Live

Height of Tree (meters) 4.0

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment




Relocation Not Applicable

2710d8c37cc94126936d7de764342584.jpg

User Brian Bunyi

JT

JT 2490	12/11/2023
Joshua Tree JT 2490	Location 34.24172140°, -116.37780800° 3184.06 ft
Latitude (WGS 84) 34.24172140	Longitude (WGS 84) -116.37780800
Elevation (ft) 3184.06	Accuracy (ft) 12.72
Date/Time 12/11/2023	Live or Dead Live
Height of Tree (meters) 5.1	Size Class C
Mature Tree (Branched) Yes	Flowering or Fruiting Stage (flowers, fruits, or none) None
Attachment	Relocation Not Applicable
	
	User Brian Bunyi <small>09c64110aaab40b5b4d38bd8454048f0.jpg</small>

JT

JT 2491

12/11/2023

Joshua Tree JT 2491

Location 34.24188590°, -116.37761490°
3176.84 ft

Latitude (WGS 84) 34.24188590

Longitude (WGS 84) -116.37761490

Elevation (ft) 3176.84

Accuracy (ft) 14.08

Date/Time 12/11/2023

Live or Dead Live

Height of Tree (meters) 3.4

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment

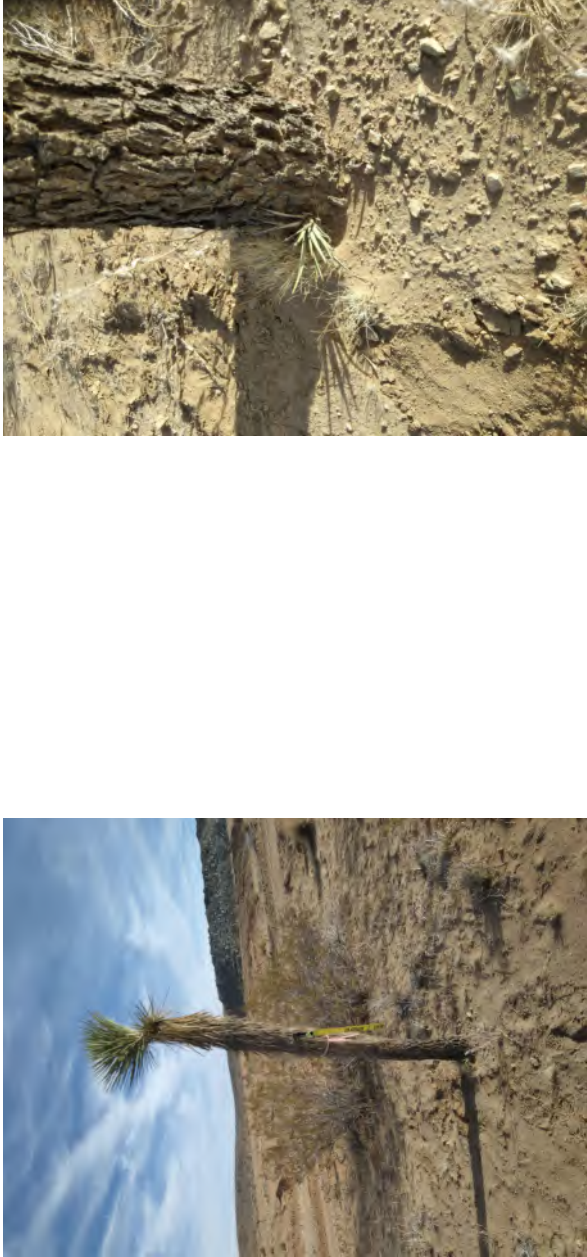


Relocation Not Applicable


1b295e691f524e0fafc4537a64f88886.jpg

User Brian Bunyi

JT

JT 2492		12/11/2023
Joshua Tree JT 2492	Location 34.24198840°, -116.37755950° 3174.87 ft	
Latitude (WGS 84) 34.24198840	Longitude (WGS 84) -116.37755950	
Elevation (ft) 3174.87	Accuracy (ft) 12.23	
Date/Time 12/11/2023	Live or Dead Live	
Height of Tree (meters) 2.5	Size Class B	
Mature Tree (Branched) Yes	Flowering or Fruiting Stage (flowers, fruits, or none) None	
Attachment		
Relocation Not Applicable	User Brian Bunyi	

JT

JT 2493		12/11/2023
Joshua Tree	JT 2493	
Location	34.24177600°, -116.37761300° 3175.52 ft	
Latitude (WGS 84)	34.24177600	Longitude (WGS 84) -116.37761300
Elevation (ft)	3175.52	Accuracy (ft) 12.94
Date/Time	12/11/2023	
Height of Tree (meters)	2.1	
Mature Tree (Branched)	No	
Flowering or Fruiting Stage (flowers, fruits, or none)	None	
Relocation	Not Applicable	
Attachment		
	15732301eb474932aa6726b1b59c2643.jpg	
User	Brian Bunyi	

JT

JT 2494

12/11/2023

Joshua Tree JT 2494

Location 34.24168450°, -116.37719450°
3175.85 ft

Latitude (WGS 84) 34.24168450

Longitude (WGS 84) -116.37719450

Elevation (ft) 3175.85

Accuracy (ft) 14.37

Date/Time 12/11/2023

Live or Dead Live

Height of Tree (meters) 1.1

Size Class B

Mature Tree (Branched) No

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment

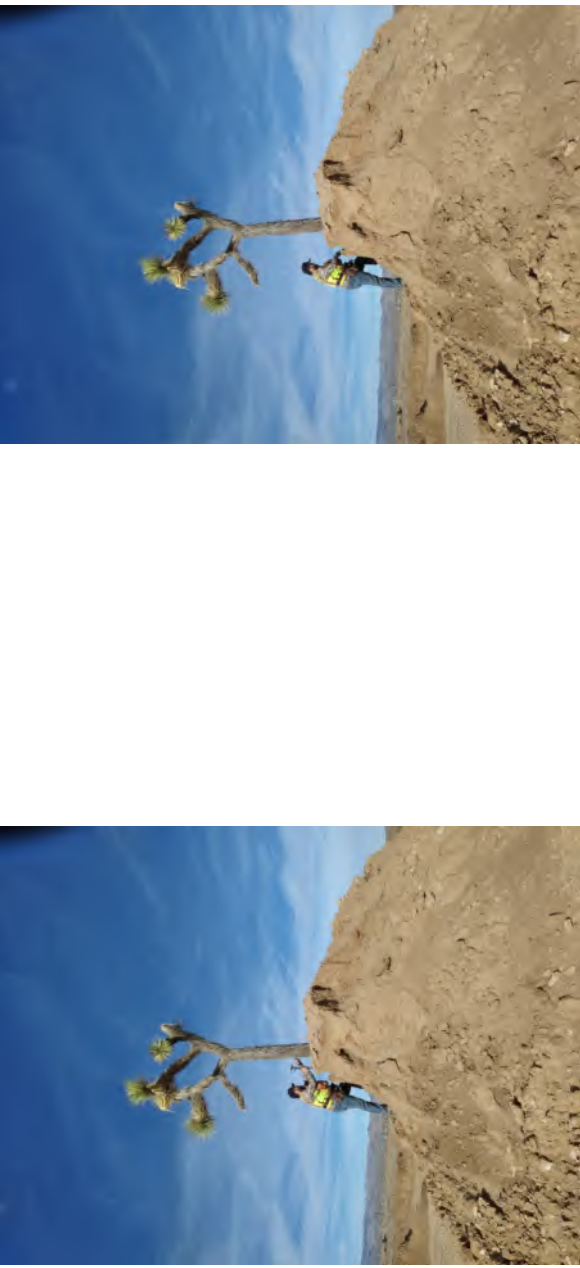



Relocation Not Applicable


5c277cda62f64262b424a504cff6f0c4.jpg

User Brian Bunyi

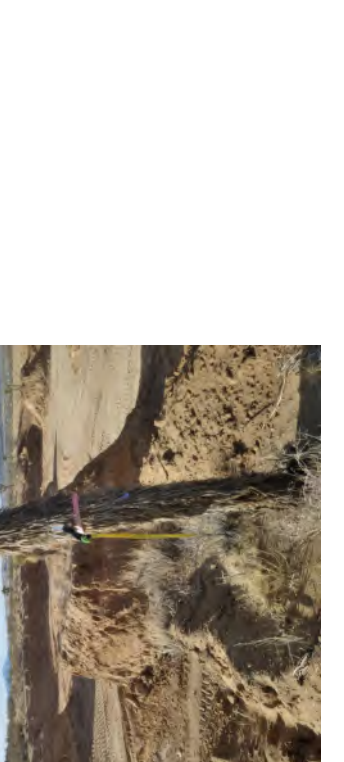
JT

JT 2495		12/11/2023
Joshua Tree	JT 2495	
Location	34.24148730°, -116.37704990° 3176.84 ft	
Latitude (WGS 84)	34.24148730	Longitude (WGS 84) -116.37704990
Elevation (ft)	3176.84	Accuracy (ft) 13.73
Date/Time	12/11/2023	
Height of Tree (meters)	3.3	
Mature Tree (Branched)	Yes	
Flowering or Fruiting Stage (flowers, fruits, or none)	None	
Size Class	B	
Live or Dead	Live	
Attachment		
	2dea3671b70347bf8495bf07e9443763.jpg	e3b1994cd0df49ec9e65003c168d70c0.jpg
Relocation	Not Applicable	
	User Brian Bunyi	


JT

JT 2496	12/11/2023
Joshua Tree JT 2496	Location 34.24144670°, -116.37688350° 3181.76 ft
Latitude (WGS 84) 34.24144670	Longitude (WGS 84) -116.37688350
Elevation (ft) 3181.76	Accuracy (ft) 12.8
Date/Time 12/11/2023	Live or Dead Live
Height of Tree (meters) 1.4	Size Class B
Mature Tree (Branched) No	Flowering or Fruiting Stage (flowers, fruits, or none) None
Attachment	Relocation Not Applicable
	
1608a375966a411ba6c30d6801faccdc.jpg	
User Brian Bunyi	


JT

JT 2497		12/11/2023
Joshua Tree	JT 2497	
Location	34.24156630°, -116.37672600° 3193.24 ft	
Latitude (WGS 84)	34.24156630	
Longitude (WGS 84)	-116.37672600	
Elevation (ft)	3193.24	14.21
Date/Time	12/11/2023	Live
Height of Tree (meters)	2.2	B
Mature Tree (Branched)	Yes	None
Flowering or Fruiting Stage (flowers, fruits, or none)		
Relocation	Not Applicable	
Attachment		
	94eb415f996f4c17ac881533ca7db22d.jpg	
User	Brian Bunyi	

JT

<p>JT 2499</p>	<p>12/11/2023</p>
<p>Joshua Tree JT 2499</p>	<p>Location 34.23763767°, -116.37417750° 3355.97 ft</p>
<p>Latitude (WGS 84) 34.23763767</p>	<p>Longitude (WGS 84) -116.37417750</p>
<p>Elevation (ft) 3355.97</p>	<p>Accuracy (ft) 5.12</p>
<p>Date/Time 12/11/2023</p>	<p>Live or Dead Live</p>
<p>Height of Tree (meters) 2</p>	<p>Size Class B</p>
<p>Mature Tree (Branched) No</p>	<p>Flowering or Fruiting Stage (flowers, fruits, or none) None</p>
<p>Attachment</p>	<p>Relocation Not Applicable</p>
 <p>625e2ef38c96449cb7d654603a8b544e.jpg</p>	
<p>Location within Project Within Nondisturbance Area</p>	<p>User Ryan Hunter</p>


JT

JT 2500		12/11/2023
Joshua Tree JT 2500	Location 34.23766567°, -116.37465000° 3360.89 ft	
Latitude (WGS 84) 34.23766567	Longitude (WGS 84) -116.37465000	
Elevation (ft) 3360.89	Accuracy (ft) 5.84	
Date/Time 12/11/2023	Live or Dead Live	
Height of Tree (meters) 2.1	Size Class B	
Mature Tree (Branched) No	Flowering or Fruiting Stage (flowers, fruits, or none) None	
Attachment		Relocation Not Applicable
	6eb6143aa95a459b9d8afb389d00cfcbb.jpg	
Location within Project	Within Nondisturbance Area	User Ryan Hunter


JT

<p>JT 2501</p>	<p>12/11/2023</p>
<p>Joshua Tree JT 2501</p>	<p>Location 34.23753317°, -116.37446967° 3380.91 ft</p>
<p>Latitude (WGS 84) 34.23753317</p>	<p>Longitude (WGS 84) -116.37446967</p>
<p>Elevation (ft) 3380.91</p>	<p>Accuracy (ft) 5.59</p>
<p>Date/Time 12/11/2023</p>	<p>Live or Dead Live</p>
<p>Height of Tree (meters) 0.6</p>	<p>Size Class A</p>
<p>Mature Tree (Branched) No</p>	<p>Flowering or Fruiting Stage (flowers, fruits, or none) None</p>
<p>Attachment</p>	<div data-bbox="771 1333 1356 1774" data-label="Image"> </div> <p>Relocation Not Applicable</p> <p>241c3b7260514741a27d01c05b063200.jpg</p>
<p>Location within Project Within Nondisturbance Area</p>	<p>User Ryan Hunter</p>


JT

JT 2502		12/11/2023
Joshua Tree	JT 2502	
Location	34.23750417°, -116.37424717° 3367.45 ft	
Latitude (WGS 84)	34.23750417	Longitude (WGS 84) -116.37424717
Elevation (ft)	3367.45	Accuracy (ft) 5.61
Date/Time	12/11/2023	
Height of Tree (meters)	2.7	
Mature Tree (Branched)	No	
Flowering or Fruiting Stage (flowers, fruits, or none)	None	
Relocation	Not Applicable	
Attachment		
	cb5bac88ba6a47eb8d6ac50f7af43a5f.jpg	
Location within Project	Within Nondisturbance Area	
User	Ryan Hunter	

JT


JT 2503			12/11/2023
Joshua Tree	JT 2503	Location 34.23750467°, -116.37357317° 3384.51 ft	
Latitude (WGS 84)	34.23750467	Longitude (WGS 84) -116.37357317	
Elevation (ft)	3384.51	Accuracy (ft) 4.88	
Date/Time	12/11/2023	Live or Dead Live	
Height of Tree (meters)	1.1	Size Class B	
Mature Tree (Branched)	No	Flowering or Fruiting Stage (flowers, fruits, or none) None	
Attachment			Relocation Not Applicable
Location within Project	9dfd5d4691ee40f6b8afc8adb8bb6f97.jpg Within Nondisturbance Area		User Ryan Hunter

JT


JT 2504										12/11/2023
Joshua Tree	JT 2504	Location	34.23614567°, -116.37334883° 3371.06 ft							
Latitude (WGS 84)	34.23614567	Longitude (WGS 84)	-116.37334883							
Elevation (ft)	3371.06	Accuracy (ft)	4.75							
Date/Time	12/11/2023	Live or Dead	Live							
Height of Tree (meters)	0.6	Size Class	A							
Mature Tree (Branched)	No	Flowering or Fruiting Stage (flowers, fruits, or none)	None							
Attachment			Relocation	Not Applicable						
Location within Project	Within Nondisturbance Area		User	Ryan Hunter						

bf35869cb6484a0388051e5397e03580.jpg

JT

JT 2505		12/11/2023
Joshua Tree JT 2505	Location 34.23605117°, -116.37315700° 3365.16 ft	
Latitude (WGS 84) 34.23605117	Longitude (WGS 84) -116.37315700	
Elevation (ft) 3365.16	Accuracy (ft) 5.34	
Date/Time 12/11/2023	Live or Dead Live	
Height of Tree (meters) 0.4	Size Class A	
Mature Tree (Branched) No	Flowering or Fruiting Stage (flowers, fruits, or none) None	
Attachment		Relocation Not Applicable
	6c647c607d5c497a83b78fa007d88602.jpg	
Location within Project	Within Nondisturbance Area	User Ryan Hunter

JT

JT 2506		12/11/2023
Joshua Tree	JT 2506	
Location	34.23527800°, -116.37365967° 3358.92 ft	
Latitude (WGS 84)	34.23527800	Longitude (WGS 84)
Elevation (ft)	3358.92	Accuracy (ft)
Date/Time	12/11/2023	Live or Dead
Height of Tree (meters)	2.1	Size Class
Mature Tree (Branched)	Yes	Flowering or Fruiting Stage (flowers, fruits, or none)
Attachment		
		Relocation
		Not Applicable
Location within Project	Within Nondisturbance Area	
	User	Ryan Hunter




4ef6d1266dc343f3b83c7746e954183d.jpg

JT


JT 2507

12/11/2023

JT

Joshua Tree	JT 2507	Location	34.23523283°; -116.37460417° 3331.36 ft
Latitude (WGS 84)	34.23523283	Longitude (WGS 84)	-116.37460417
Elevation (ft)	3331.36	Accuracy (ft)	5.59
Date/Time	12/11/2023	Live or Dead	Live
Height of Tree (meters)	2.2	Size Class	B
Mature Tree (Branched)	Yes	Flowering or Fruiting Stage (flowers, fruits, or none)	None
Attachment			
Relocation	Not Applicable	Additional Notes	Lower branch 0547ba64edef49289d0b35fb60f4b091.jpg
Location within Project	Within Nondisturbance Area	User	Ryan Hunter

JT


<p>JT 2508</p>	<p style="text-align: right;">12/11/2023</p>
<p>Joshua Tree JT 2508</p>	<p>Location 34.23528600°, -116.37484267° 3326.44 ft</p>
<p>Latitude (WGS 84) 34.23528600</p>	<p>Longitude (WGS 84) -116.37484267</p>
<p>Elevation (ft) 3326.44</p>	<p>Accuracy (ft) 5.34</p>
<p>Date/Time 12/11/2023</p>	<p>Live or Dead Live</p>
<p>Height of Tree (meters) 0.6</p>	<p>Size Class A</p>
<p>Mature Tree (Branched) No</p>	<p>Flowering or Fruiting Stage (flowers, fruits, or none) None</p>
<p>Attachment</p>	<p>Relocation Not Applicable</p>
	
<p>714113b7768b4ba98b9478d28a881094.jpg</p>	
<p>Location within Project Within Nondisturbance Area</p>	<p>User Ryan Hunter</p>

JT


JT 2509

12/11/2023


JT

Joshua Tree	JT 2509	Location	34.23532033° , -116.37479867° 3325.79 ft
Latitude (WGS 84)	34.23532033	Longitude (WGS 84)	-116.37479867
Elevation (ft)	3325.79	Accuracy (ft)	4.88
Date/Time	12/11/2023	Live or Dead	Dead
Height of Tree (meters)	0.4	Size Class	A
Mature Tree (Branched)	No	Flowering or Fruiting Stage (flowers, fruits, or none)	None
Attachment	 <p>Will project activities be within 15 meters of tree</p> <p>No</p>		
Relocation	Not Applicable	Location within Project	Within Nondisturbance Area
User	Ryan Hunter		


JT

JT 2510		12/11/2023
Joshua Tree	JT 2510	
Location	34.23554617°, -116.37461400° 3331.04 ft	
Latitude (WGS 84)	34.23554617	
Longitude (WGS 84)	-116.37461400	
Elevation (ft)	3331.04	
Date/Time	12/11/2023	
Height of Tree (meters)	1.2	
Mature Tree (Branched)	No	
Flowering or Fruiting Stage (flowers, fruits, or none)	None	
Relocation	Not Applicable	
Attachment		
	0ed3d9cc101e4fc5a902bbac1f28704f.jpg	
Location within Project	Within Nondisturbance Area	
User	Ryan Hunter	

JT


JT 2512		12/11/2023
Joshua Tree	JT 2512	
Location	34.23556867°, -116.37475050° 3328.41 ft	
Latitude (WGS 84)	34.23556867	Longitude (WGS 84) -116.37475050
Elevation (ft)	3328.41	Accuracy (ft) 4.59
Date/Time	12/11/2023	Live or Dead Live
Height of Tree (meters)	1.3	Size Class B
Mature Tree (Branched)	No	Flowering or Fruiting Stage (flowers, fruits, or none) None
Attachment		Relocation Not Applicable
	9f26b5a89f434f65996e83cc115c0dad.jpg	
Location within Project	Within Nondisturbance Area	
	User	Ryan Hunter

JT


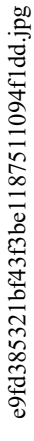
JT 2513		12/11/2023
Joshua Tree	JT 2513	
Location	34.23538550°, -116.37507267° 3313.65 ft	
Latitude (WGS 84)	34.23538550	Longitude (WGS 84) -116.37507267
Elevation (ft)	3313.65	Accuracy (ft) 5.34
Date/Time	12/11/2023	Live or Dead Live
Height of Tree (meters)	0.5	Size Class A
Mature Tree (Branched)	No	Flowering or Fruiting Stage (flowers, fruits, or none) None
Attachment		
		Relocation Not Applicable
Location within Project	Within Nondisturbance Area	
	User	Ryan Hunter

c3d23dc28dab42a3a85241837a801297.jpg


JT

JT 2514		12/11/2023
Joshua Tree JT 2514	Location 34.23551133°, -116.37536433° 3316.6 ft	
Latitude (WGS 84) 34.23551133	Longitude (WGS 84) -116.37536433	
Elevation (ft) 3316.6	Accuracy (ft) 3.88	
Date/Time 12/11/2023	Live or Dead Live	
Height of Tree (meters) 3.8	Size Class B	
Mature Tree (Branched) Yes	Flowering or Fruiting Stage (flowers, fruits, or none) None	
Attachment		Relocation Not Applicable
	9de8d05de08d4698871225428cf5149c.jpg	
Location within Project	Within Nondisturbance Area	User Ryan Hunter


JT

JT 2515		12/11/2023
Joshua Tree	JT 2515	
Location	34.23568650°, -116.37518933° 3324.48 ft	
Latitude (WGS 84)	34.23568650	Longitude (WGS 84) -116.37518933
Elevation (ft)	3324.48	Accuracy (ft) 4.54
Date/Time	12/11/2023	Live or Dead Live
Height of Tree (meters)	3.6	Size Class B
Mature Tree (Branched)	Yes	Flowering or Fruiting Stage (flowers, fruits, or none) None
Attachment		Relocation Not Applicable
Location within Project		
User	Ryan Hunter	

JT

JT 2517			12/11/2023
Joshua Tree	JT 2517	Location 34.23589767°, -116.37578900° 3320.21 ft	
Latitude (WGS 84)	34.23589767	Longitude (WGS 84) -116.37578900	
Elevation (ft)	3320.21	Accuracy (ft) 4.18	
Date/Time	12/11/2023	Live or Dead Live	
Height of Tree (meters)	2.2	Size Class B	
Mature Tree (Branched)	No	Flowering or Fruiting Stage (flowers, fruits, or none) None	
Attachment			
		Relocation Not Applicable	
	7047ab74d4dd247228d86637d69343cec.jpg		
Location within Project	Within Nondisturbance Area		User Ryan Hunter

JT


JT 2518		12/11/2023
Joshua Tree JT 2518	Location 34.23585633°, -116.37602300° 3319.23 ft	
Latitude (WGS 84) 34.23585633	Longitude (WGS 84) -116.37602300	
Elevation (ft) 3319.23	Accuracy (ft) 3.62	
Date/Time 12/11/2023	Live or Dead Live	
Height of Tree (meters) 4.3	Size Class B	
Mature Tree (Branched) Yes	Flowering or Fruiting Stage (flowers, fruits, or none) None	
Attachment		Relocation Not Applicable
	75f69102d8544651a3b4f4f17f519861.jpg	
Location within Project	Within Nondisturbance Area	User Ryan Hunter

JT

JT 2519


12/11/2023

JT

Joshua Tree	JT 2519	Location	34.23609000°, -116.37603783° 3327.43 ft
Latitude (WGS 84)	34.23609000	Longitude (WGS 84)	-116.37603783
Elevation (ft)	3327.43	Accuracy (ft)	3.76
Date/Time	12/11/2023	Live or Dead	Dead
Height of Tree (meters)	1.4	Size Class	B
Mature Tree (Branched)	Yes	Flowering or Fruiting Stage (flowers, fruits, or none)	None
Attachment	 <p>Will project activities be within 15 meters of tree</p>		
Relocation	Not Applicable	Location within Project	Within Nondisturbance Area
User	Ryan Hunter		

ce7c640de2df41939bc60a1f3fee3f4c.jpg

JT

JT 2520		12/11/2023
Joshua Tree JT 2520	Location 34.23603950°, -116.37611967° 3323.82 ft	
Latitude (WGS 84) 34.23603950	Longitude (WGS 84) -116.37611967	
Elevation (ft) 3323.82	Accuracy (ft) 4.26	
Date/Time 12/11/2023	Live or Dead Live	
Height of Tree (meters) 5.6	Size Class C	
Mature Tree (Branched) Yes	Flowering or Fruiting Stage (flowers, fruits, or none) None	
Attachment		Relocation Not Applicable
	8b9b8aa4d5ad48e7997452a370d9f16e.jpg	
Location within Project	Within Nondisturbance Area	User Ryan Hunter

JT

JT 2521

12/11/2023

JT

Joshua Tree JT 2521 **Location** 34.23625333°; -116.37584350°
3324.8 ft


Latitude (WGS 84) 34.23625333 **Longitude (WGS 84)** -116.37584350

Elevation (ft) 3324.8 **Accuracy (ft)** 4.31

Date/Time 12/11/2023 **Live or Dead** Dead

Height of Tree (meters) 0.9 **Size Class** A

Mature Tree (Branched) No **Flowering or Fruiting Stage (flowers, fruits, or none)** None

Attachment  **Will project activities be within 15 meters of tree** No

e73e49c5a1454a9596fa9375a241da4c.jpg

Relocation Not Applicable **Location within Project** Within Nondisturbance Area


User Ryan Hunter

JT

JT 2522

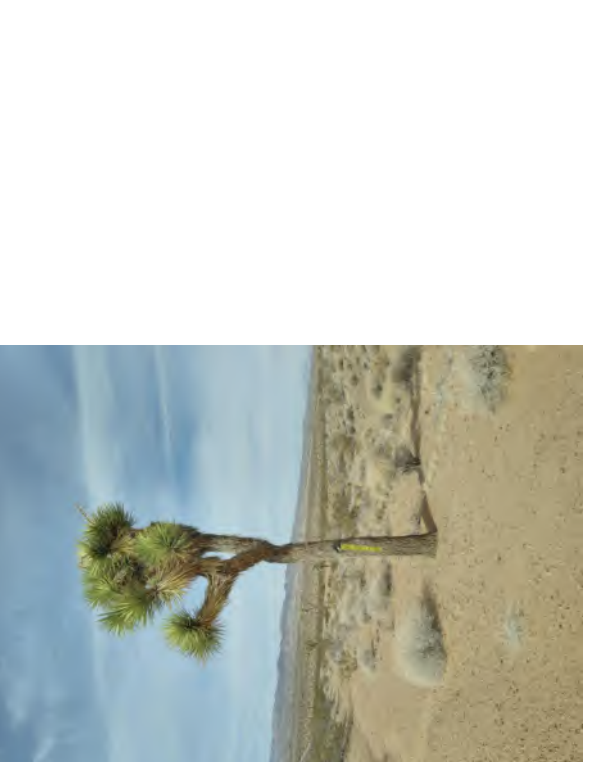
12/11/2023

JT

Joshua Tree	JT 2522	Location	34.23641667°, -116.37599700° 3325.13 ft
Latitude (WGS 84)	34.23641667	Longitude (WGS 84)	-116.37599700
Elevation (ft)	3325.13	Accuracy (ft)	4.64
Date/Time	12/11/2023	Live or Dead	Dead
Height of Tree (meters)	1.8	Size Class	B
Mature Tree (Branched)	Yes	Flowering or Fruiting Stage (flowers, fruits, or none)	None
Attachment	 <p>Will project activities be within 15 meters of tree</p>		
Relocation	Not Applicable	Location within Project	Within Nondisturbance Area
User	Ryan Hunter		

f7337aa848324528bd0b444985b13e6af.jpg

JT


JT 2523		12/11/2023
Joshua Tree	JT 2523	
Location	34.23631883°, -116.37640750° 3319.55 ft	
Latitude (WGS 84)	34.23631883	Longitude (WGS 84) -116.37640750
Elevation (ft)	3319.55	Accuracy (ft) 5.8
Date/Time	12/11/2023	
Height of Tree (meters)	4.3	Live or Dead Live
Mature Tree (Branched)	Yes	
Attachment		
Relocation	Not Applicable	
Flowering or Fruiting Stage (flowers, fruits, or none)	None	
Size Class	B	
Location within Project	Within Nondisturbance Area	
User	Ryan Hunter	
Attachment	9ee64731ea4b4765a94a6214d583f258.jpg	

JT

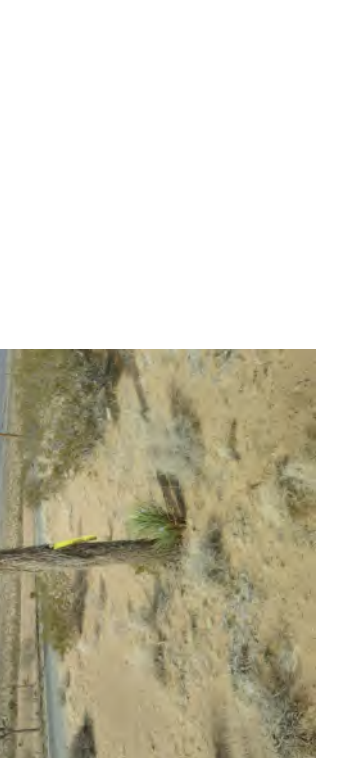
JT 2524

12/11/2023


JT

Joshua Tree	JT 2524	Location	34.23608267° -116.37652067° 3312.99 ft
Latitude (WGS 84)	34.23608267	Longitude (WGS 84)	-116.37652067
Elevation (ft)	3312.99	Accuracy (ft)	5.34
Date/Time	12/11/2023	Live or Dead	Dead
Height of Tree (meters)	2.1	Size Class	B
Mature Tree (Branched)	Yes	Flowering or Fruiting Stage (flowers, fruits, or none)	None
Attachment	 <p>ec275431a8374e2ebfac3c1832934581.jpg</p>		
Relocation	Not Applicable	Location within Project	Within Nondisturbance Area
User	Ryan Hunter		

JT


JT 2525		12/11/2023
Joshua Tree	JT 2525	
Location	34.23599567°, -116.37688383° 3305.12 ft	
Latitude (WGS 84)	34.23599567	Longitude (WGS 84) -116.37688383
Elevation (ft)	3305.12	Accuracy (ft) 5.34
Date/Time	12/11/2023	
Height of Tree (meters)	3.6	
Mature Tree (Branched)	Yes	
Flowering or Fruiting Stage (flowers, fruits, or none)	None	
Relocation	Not Applicable	
Attachment		
	cf00f7ab27d74d7782148a5e7a8b2f6c.jpg	
Location within Project	Within Nondisturbance Area	
User	Ryan Hunter	

JT

JT 2526		12/11/2023
Joshua Tree	JT 2526	
Location	34.23598467°, -116.37688283° 3304.79 ft	
Latitude (WGS 84)	34.23598467	Longitude (WGS 84) -116.37688283
Elevation (ft)	3304.79	Accuracy (ft) 4.64
Date/Time	12/11/2023	Live or Dead Live
Height of Tree (meters)	0.4	Size Class A
Mature Tree (Branched)	No	Flowering or Fruiting Stage (flowers, fruits, or none) None
Attachment		
		Relocation Not Applicable
Location within Project	Within Nondisturbance Area	
		User Ryan Hunter

8ecf89fa98db47c6a9ad82eb0e425b51.jpg

JT

JT 2527			12/11/2023
Joshua Tree	JT 2527	Location 34.23598583°, -116.37688767° 3308.73 ft	
Latitude (WGS 84)	34.23598583	Longitude (WGS 84) -116.37688767	
Elevation (ft)	3308.73	Accuracy (ft) 5.1	
Date/Time	12/11/2023	Live or Dead Live	
Height of Tree (meters)	0.6	Size Class A	
Mature Tree (Branched)	No	Flowering or Fruiting Stage (flowers, fruits, or none) None	
Attachment			Relocation Not Applicable
Location within Project	Within Nondisturbance Area		User Ryan Hunter




6842e28364f2478e9b81274d287e472d.jpg

JT


JT 2528

12/11/2023


JT

Joshua Tree	JT 2528	Location	34.23647067° -116.37707517° 3304.46 ft
Latitude (WGS 84)	34.23647067	Longitude (WGS 84)	-116.37707517
Elevation (ft)	3304.46	Accuracy (ft)	4.79
Date/Time	12/11/2023	Live or Dead	Live
Height of Tree (meters)	3.8	Size Class	B
Mature Tree (Branched)	Yes	Flowering or Fruiting Stage (flowers, fruits, or none)	None
Attachment			
Relocation	Not Applicable	Additional Notes	d09bc682995a4e77bc3c5166cad130be.jpg Lower branch
Location within Project	Within Nondisturbance Area	User	Ryan Hunter

JT


JT 2529		12/11/2023
Joshua Tree	JT 2529	
Location	34.23653350°, -116.37706100° 3294.95 ft	
Latitude (WGS 84)	34.23653350	Longitude (WGS 84) -116.37706100
Elevation (ft)	3294.95	Accuracy (ft) 3.87
Date/Time	12/11/2023	
Height of Tree (meters)	5.6	
Mature Tree (Branched)	Yes	
Flowering or Fruiting Stage (flowers, fruits, or none)	None	
Relocation	Not Applicable	
Attachment		
	e5889227e98042a6b4eed833fa11f31b.jpg	
Location within Project	Within Nondisturbance Area	
User	Ryan Hunter	

JT

JT 2530			12/11/2023
Joshua Tree	JT 2530	Location 34.23651883°, -116.37714117° 3305.77 ft	
Latitude (WGS 84)	34.23651883	Longitude (WGS 84) -116.37714117	
Elevation (ft)	3305.77	Accuracy (ft) 4.06	
Date/Time	12/11/2023	Live or Dead Live	
Height of Tree (meters)	1.2	Size Class B	
Mature Tree (Branched)	No	Flowering or Fruiting Stage (flowers, fruits, or none) None	
Attachment			Relocation Not Applicable
Location within Project	Within Nondisturbance Area		User Ryan Hunter

d8f8b1f245b94c8f9404a846db61f1e4.jpg

JT

JT 2531		12/11/2023
Joshua Tree	JT 2531	
Location	34.23654333°, -116.37709000° 3296.26 ft	
Latitude (WGS 84)	34.23654333	Longitude (WGS 84)
Elevation (ft)	3296.26	Accuracy (ft)
Date/Time	12/11/2023	Live or Dead
Height of Tree (meters)	4.9	Size Class
Mature Tree (Branched)	Yes	Flowering or Fruiting Stage (flowers, fruits, or none)
Attachment		
		Relocation
		Not Applicable
Location within Project	Within Nondisturbance Area	User
		Ryan Hunter

021e3ab0f51a4416a155938c7b0f1c06.jpg

JT

JT 2532

12/11/2023

Joshua Tree JT 2532

Location 34.23662833, -116.37755500°
3298.88 ft

Latitude (WGS 84) 34.23662833

Longitude (WGS 84) -116.37755500

Elevation (ft) 3298.88

Accuracy (ft) 3.71

Date/Time 12/11/2023

Live or Dead Live

Height of Tree (meters) 5.8

Size Class C

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable

ff33e0b605d24933891850ec9cb3b468.jpg

Location within Project Within Nondisturbance Area


User Ryan Hunter

JT


JT 2533

12/11/2023


JT

Joshua Tree	JT 2533	Location	34.23651900°, -116.37770467° 3300.2 ft
Latitude (WGS 84)	34.23651900	Longitude (WGS 84)	-116.37770467
Elevation (ft)	3300.2	Accuracy (ft)	4.34
Date/Time	12/11/2023	Live or Dead	Dead
Height of Tree (meters)	1.6	Size Class	B
Mature Tree (Branched)	No	Flowering or Fruiting Stage (flowers, fruits, or none)	None
Attachment	 <p>2512a01fe0294acd9bda6c8e5268b0de.jpg</p>		
Relocation	Not Applicable	Location within Project	Within Nondisturbance Area
User	Ryan Hunter		

JT

JT 2535		12/11/2023
Joshua Tree JT 2535	Location 34.23665783°, -116.37776583° 3303.81 ft	
Latitude (WGS 84) 34.23665783	Longitude (WGS 84) -116.37776583	
Elevation (ft) 3303.81	Accuracy (ft) 3.78	
Date/Time 12/11/2023	Live or Dead Dead	
Height of Tree (meters) 1.8	Size Class B	
Mature Tree (Branched) Yes	Attachment	
Will project activities be within 15 meters of tree No	Relocation Not Applicable	22b9e854ec8343cf8f0e67b065065349.jpg
Location within Project Within Nondisturbance Area	User Ryan Hunter	

JT

JT 2536		12/11/2023
Joshua Tree JT 2536	Location 34.23704417°, -116.37751683° 3292.32 ft	
Latitude (WGS 84) 34.23704417	Longitude (WGS 84) -116.37751683	
Elevation (ft) 3292.32	Accuracy (ft) 3.48	
Date/Time 12/11/2023	Live or Dead Dead	
Mature Tree (Branched) No	Attachment	
		
		be1a343538bf41cfacc60d12cf888572.jpg
Relocation Not Applicable	User Ryan Hunter	

JT

JT 2537

12/11/2023

Joshua Tree JT 2537

Location 34.23721817°, -116.37719383°
3298.88 ft

Latitude (WGS 84) 34.23721817

Longitude (WGS 84) -116.37719383

Elevation (ft) 3298.88

Accuracy (ft) 4.18

Date/Time 12/11/2023

Live or Dead Live

Height of Tree (meters) 2.4

Size Class B

Mature Tree (Branched) No

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment




Relocation Not Applicable


5980ecfeb5f24643a8fec1ba8920efb4.jpg

User Ryan Hunter


JT

JT 2538		12/11/2023
Joshua Tree JT 2538	Location 34.23738483, -116.37695117° 3306.1 ft	
Latitude (WGS 84) 34.23738483	Longitude (WGS 84) -116.37695117	
Elevation (ft) 3306.1	Accuracy (ft) 4.24	
Date/Time 12/11/2023	Live or Dead Dead	
Mature Tree (Branched) No	Attachment	
		
Relocation Not Applicable	User Ryan Hunter	12a0ae6652d542e5bb5cd52beecce628.jpg

JT

JT 2540		12/11/2023
Joshua Tree	JT 2540	
Location	34.23751083°, -116.37625667° 3323.16 ft	
Latitude (WGS 84)	34.23751083	
Longitude (WGS 84)	-116.37625667	
Elevation (ft)	3323.16	
Accuracy (ft)	5.84	
Date/Time	12/11/2023	
Live or Dead	Live	
Height of Tree (meters)	0.8	
Size Class	A	
Mature Tree (Branched)	No	
Flowering or Fruiting Stage (flowers, fruits, or none)	None	
Relocation	Not Applicable	
Attachment		
	8a627284f9c4496ca60f726a9fb9e6bd.jpg	
Location within Project	Within Nondisturbance Area	
User	Ryan Hunter	

JT


JT 2541										12/11/2023
Joshua Tree	JT 2541	Location	34.23781130°, -116.37605638°							
Latitude (WGS 84)	34.23781130	Longitude (WGS 84)	-116.37605638							
Date/Time	12/11/2023	Live or Dead	Live							
Height of Tree (meters)	2.3	Size Class	B							
Mature Tree (Branched)	No	Flowering or Fruiting Stage (flowers, fruits, or none)	None							
Attachment			Relocation	Not Applicable						
Location within Project	Within Nondisturbance Area		User	Ryan Hunter						

cec77b100b7d4441ac1d19bdd7675880.jpg

JT


JT 2542		12/11/2023
Joshua Tree JT 2542	Location 34.23781833°, -116.37565317° 3343.18 ft	
Latitude (WGS 84) 34.23781833	Longitude (WGS 84) -116.37565317	
Elevation (ft) 3343.18	Accuracy (ft) 4.08	
Date/Time 12/11/2023	Live or Dead Live	
Height of Tree (meters) 3.4	Size Class B	
Mature Tree (Branched) Yes	Flowering or Fruiting Stage (flowers, fruits, or none) None	
Attachment		Relocation Not Applicable
	02c3671e97974290a7ab20cfc0109e38.jpg	
Location within Project	Within Nondisturbance Area	User Ryan Hunter

JT

JT 2543		12/11/2023
Joshua Tree	JT 2543	
Location	34.23766283°, -116.37551567° 3350.72 ft	
Latitude (WGS 84)	34.23766283	Longitude (WGS 84)
Elevation (ft)	3350.72	Accuracy (ft)
Date/Time	12/11/2023	Live or Dead
Height of Tree (meters)	3.6	Size Class
Mature Tree (Branched)	Yes	Flowering or Fruiting Stage (flowers, fruits, or none)
Attachment		
		Relocation
		Not Applicable
Location within Project	Within Nondisturbance Area	
	User	Ryan Hunter


5a3d114d2914947168fd07a01bfe30675.jpg

JT


JT 2545			12/11/2023	
Joshua Tree	JT 2545	Location	34.23777833°, -116.37505933° 3352.03 ft	
Latitude (WGS 84)	34.23777833	Longitude (WGS 84)	-116.37505933	
Elevation (ft)	3352.03	Accuracy (ft)	3.97	
Date/Time	12/11/2023	Live or Dead	Live	
Height of Tree (meters)	2.3	Size Class	B	
Mature Tree (Branched)	No	Flowering or Fruiting Stage (flowers, fruits, or none)	None	
Attachment			Relocation	Not Applicable
Location within Project	Within Nondisturbance Area		User	Ryan Hunter

9a6732e660c7402096e93b080acf441d.jpg


JT

JT 2546		12/11/2023
Joshua Tree JT 2546	Location 34.23857083°, -116.37681883° 3308.07 ft	
Latitude (WGS 84) 34.23857083	Longitude (WGS 84) -116.37681883	
Elevation (ft) 3308.07	Accuracy (ft) 6.56	
Date/Time 12/11/2023	Live or Dead Dead	
Mature Tree (Branched) No	Attachment	
		
		9972138cd0964c878749c6c8eba43ac6.jpg
Relocation Not Applicable	User Ryan Hunter	

JT

JT 2547		12/11/2023
Joshua Tree	JT 2547	
Location	34.23864600°, -116.37708517° 3303.48 ft	
Latitude (WGS 84)	34.23864600	Longitude (WGS 84) -116.37708517
Elevation (ft)	3303.48	Accuracy (ft) 5.84
Date/Time	12/11/2023	
Height of Tree (meters)	2.8	
Mature Tree (Branched)	Yes	
Flowering or Fruiting Stage (flowers, fruits, or none)	None	
Relocation	Not Applicable	
Attachment		
	a64476e66fe04a428df384a2ece46c5f.jpg	
User	Ryan Hunter	

JT

JT 2548		12/11/2023
Joshua Tree JT 2548	Location 34.23873200°, -116.37717117° 3294.95 ft	
Latitude (WGS 84) 34.23873200	Longitude (WGS 84) -116.37717117	
Elevation (ft) 3294.95	Accuracy (ft) 5.34	
Date/Time 12/11/2023	Live or Dead Dead	
Mature Tree (Branched) No	Attachment	
		
Relocation Not Applicable	User Ryan Hunter	23c0dae3ce8c4ac8bd382733ec5604d9.jpg

JT

JT 2549		12/11/2023
Joshua Tree	JT 2549	
Location	34.23855300°, -116.37728350° 3297.24 ft	
Latitude (WGS 84)	34.23855300	
Longitude (WGS 84)	-116.37728350	
Elevation (ft)	3297.24	
Accuracy (ft)	6.27	
Date/Time	12/11/2023	
Live or Dead	Live	
Height of Tree (meters)	2.5	
Size Class	B	
Mature Tree (Branched)	Yes	
Flowering or Fruiting Stage (flowers, fruits, or none)	None	
Relocation	Not Applicable	
Attachment		
	35cc325eb9674ed5877ec8ef23c75ecc.jpg	
User	Ryan Hunter	

JT

JT 2550

12/11/2023

Joshua Tree JT 2550

Location 34.23854533°, -116.37730667°
3295.93 ft

Latitude (WGS 84) 34.23854533

Longitude (WGS 84) -116.37730667

Elevation (ft) 3295.93

Accuracy (ft) 5.59

Date/Time 12/11/2023

Live or Dead Live

Height of Tree (meters) 2.6

Size Class B

Mature Tree (Branched) No

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable

1efcd0d60954206a51e48eb4084c830.jpg

User Ryan Hunter

JT

JT 2551

12/11/2023

Joshua Tree JT 2551

Location 34.23853883, -116.37729800°
3299.87 ft

Latitude (WGS 84) 34.23853883

Longitude (WGS 84) -116.37729800

Elevation (ft) 3299.87

Accuracy (ft) 6.3

Date/Time 12/11/2023

Live or Dead Live

Height of Tree (meters) 0.4

Size Class A

Mature Tree (Branched) No

Flowering or Fruiting Stage (flowers, fruits, or none) None




Attachment

Relocation Not Applicable

d52f8be2e3cf44a6a80d8379cef18723.jpg

User Ryan Hunter

JT

JT 2552		12/11/2023
Joshua Tree	JT 2552	
Location	34.23853850°, -116.37731333° 3297.24 ft	
Latitude (WGS 84)	34.23853850	
Longitude (WGS 84)	-116.37731333	
Elevation (ft)	3297.24	
Accuracy (ft)	5.57	
Date/Time	12/11/2023	
Live or Dead	Live	
Height of Tree (meters)	0.4	
Size Class	A	
Mature Tree (Branched)	No	
Flowering or Fruiting Stage (flowers, fruits, or none)	None	
Relocation	Not Applicable	
Attachment		
	90fb533977984e31b0a0d4a92151e380.jpg	
User	Ryan Hunter	

JT

JT 2553

12/11/2023

Joshua Tree JT 2553

Location 34.23831983°, -116.37688483°
3306.1 ft

Latitude (WGS 84) 34.23831983

Longitude (WGS 84) -116.37688483

Elevation (ft) 3306.1

Accuracy (ft) 6.3

Date/Time 12/11/2023

Live or Dead Live

Height of Tree (meters) 3

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment




Relocation Not Applicable

ded8d60cf86c4b68a0d1c0f2d2e45fb8.jpg

User Ryan Hunter

JT

JT 2554		12/11/2023
Joshua Tree JT 2554	Location 34.23839067°, -116.37669550° 3304.79 ft	
Latitude (WGS 84) 34.23839067	Longitude (WGS 84) -116.37669550	
Elevation (ft) 3304.79	Accuracy (ft) 5.8	
Date/Time 12/11/2023	Live or Dead Dead	
Mature Tree (Branched) No	Attachment	
		
Relocation Not Applicable	User Ryan Hunter	8c7a3cc627d44c258ae15571a49ba305.jpg

JT

JT 2555

12/11/2023

Joshua Tree JT 2555

Location 34.23818550°, -116.37684050°
3303.48 ft

Latitude (WGS 84) 34.23818550

Longitude (WGS 84) -116.37684050

Elevation (ft) 3303.48

Accuracy (ft) 6.56

Date/Time 12/11/2023

Live or Dead Live

Height of Tree (meters) 4.2

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None




Attachment

Relocation Not Applicable

c543c20e7ea14a8dbfd3812a6fa87433.jpg

User Ryan Hunter

JT


JT 2556		12/11/2023
Joshua Tree	JT 2556	
Location	34.23814800°, -116.37680017° 3313.32 ft	
Latitude (WGS 84)	34.23814800	Longitude (WGS 84)
Elevation (ft)	3313.32	Accuracy (ft)
Date/Time	12/11/2023	Live or Dead
Height of Tree (meters)	3.6	Size Class
Mature Tree (Branched)	Yes	Flowering or Fruiting Stage (flowers, fruits, or none)
Attachment		
		Relocation
		Not Applicable
User	Ryan Hunter	

8da77b7287cf4945a5ef35544c08d7f7.jpg


JT

JT 2557		12/11/2023
Joshua Tree JT 2557	Location 34.23806233°, -116.37684117° 3316.27 ft	
Latitude (WGS 84) 34.23806233	Longitude (WGS 84) -116.37684117	
Elevation (ft) 3316.27	Accuracy (ft) 4.44	
Date/Time 12/11/2023	Live or Dead Live	
Height of Tree (meters) 1.3	Size Class B	
Mature Tree (Branched) No	Flowering or Fruiting Stage (flowers, fruits, or none) None	
Attachment		Relocation Not Applicable
	86717ec4d1c842958aec3636f505de3.jpg	
User Ryan Hunter		


JT

JT 2558		12/11/2023
Joshua Tree JT 2558	Location 34.23807933°, -116.37665267° 3314.3 ft	
Latitude (WGS 84) 34.23807933	Longitude (WGS 84) -116.37665267	
Elevation (ft) 3314.3	Accuracy (ft) 3.69	
Date/Time 12/11/2023	Live or Dead Live	
Height of Tree (meters) 4.3	Size Class B	
Mature Tree (Branched) Yes	Flowering or Fruiting Stage (flowers, fruits, or none) None	
Attachment		Relocation Not Applicable
	730d76a4f5e84c718fbbba7d1f27f04.jpg	
User Ryan Hunter		

JT

JT 2559		12/11/2023
Joshua Tree JT 2559	Location 34.23800633°, -116.37670100° 3316.27 ft	
Latitude (WGS 84) 34.23800633	Longitude (WGS 84) -116.37670100	
Elevation (ft) 3316.27	Accuracy (ft) 4.88	
Date/Time 12/11/2023	Live or Dead Dead	
Mature Tree (Branched) No	Attachment	
		
Relocation Not Applicable	User Ryan Hunter	f8207b3de4ab431fbba399f3cc492ac5.jpg

JT

JT 2560		12/11/2023
Joshua Tree JT 2560	Location 34.23785033°, -116.37669000° 3309.06 ft	
Latitude (WGS 84) 34.23785033	Longitude (WGS 84) -116.37669000	
Elevation (ft) 3309.06	Accuracy (ft) 3.25	
Date/Time 12/11/2023	Live or Dead Dead	
Mature Tree (Branched) No	Attachment	
		
		da04705cc0d84c789242b3fd6341d0f6.jpg
Relocation Not Applicable	User Ryan Hunter	

JT

JT 2561

12/11/2023

Joshua Tree JT 2561

Location 34.23787417°, -116.37718667°
3306.43 ft

Latitude (WGS 84) 34.23787417

Longitude (WGS 84) -116.37718667

Elevation (ft) 3306.43

Accuracy (ft) 4.35

Date/Time 12/11/2023

Live or Dead Live

Height of Tree (meters) 4.0

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment




Relocation Not Applicable

62e3872a31d3479db627d5a582948d75.jpg

User Ryan Hunter

JT

JT 2562		12/11/2023
Joshua Tree JT 2562	Location 34.23794150°, -116.37733400° 3302.82 ft	
Latitude (WGS 84) 34.23794150	Longitude (WGS 84) -116.37733400	
Elevation (ft) 3302.82	Accuracy (ft) 3.82	
Date/Time 12/11/2023	Live or Dead Live	
Height of Tree (meters) 1	Size Class B	
Mature Tree (Branched) No	Flowering or Fruiting Stage (flowers, fruits, or none) None	
Attachment		Relocation Not Applicable
	5378950bfa224fc98f14f12e846c6746.jpg	
User Ryan Hunter		

JT

JT 2563

12/11/2023

Joshua Tree JT 2563

Location 34.23802000°, -116.37725917°
3300.52 ft

Latitude (WGS 84) 34.23802000

Longitude (WGS 84) -116.37725917

Elevation (ft) 3300.52

Accuracy (ft) 3.45

Date/Time 12/11/2023

Live or Dead Live

Height of Tree (meters) 3.1

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment




Relocation Not Applicable


f11e052adf2c424a9325b429a444763f.jpg

User Ryan Hunter


JT

JT 2601		12/11/2023
Joshua Tree JT 2601	Location 34.23894660°, -116.37692310° 3196.85 ft	
Latitude (WGS 84) 34.23894660	Longitude (WGS 84) -116.37692310	
Elevation (ft) 3196.85	Accuracy (ft) 12.74	
Date/Time 12/11/2023	Live or Dead Dead	
Mature Tree (Branched) No	Attachment	
		
		2df1603b260449169b99f68a966429f9.jpg
Relocation Not Applicable	User Brian Bunyi	

JT


JT 2602		12/11/2023
Joshua Tree JT 2602	Location 34.23901680°, -116.37683570° 3204.4 ft	
Latitude (WGS 84) 34.23901680	Longitude (WGS 84) -116.37683570	
Elevation (ft) 3204.4	Accuracy (ft) 12.53	
Date/Time 12/11/2023	Live or Dead Dead	
Mature Tree (Branched) No	Attachment	
		
		5e654fde8e7e489bb3d751387fe95.jpg
Relocation Not Applicable	User Brian Bunyi	

JT


JT 2603		12/11/2023
Joshua Tree	JT 2603	
Location	34.23913460°, -116.37688960° 3205.05 ft	
Latitude (WGS 84)	34.23913460	Longitude (WGS 84)
Elevation (ft)	3205.05	Accuracy (ft)
Date/Time	12/11/2023	Live or Dead
Height of Tree (meters)	3.7	Size Class
Mature Tree (Branched)	Yes	Flowering or Fruiting Stage (flowers, fruits, or none)
Attachment		
		Relocation
		Not Applicable
User	Brian Bunyi	

0e03a79fbc35426cb5990e89c82aaa4d.jpg


JT

JT 2604		12/11/2023
Joshua Tree JT 2604	Location 34.23894680°, -116.37646230° 3212.6 ft	
Latitude (WGS 84) 34.23894680	Longitude (WGS 84) -116.37646230	
Elevation (ft) 3212.6	Accuracy (ft) 12.22	
Date/Time 12/11/2023	Live or Dead Dead	
Mature Tree (Branched) No	Attachment	
		
		2d35e2ba106b494f9a48b56fed4a8a56.jpg
Relocation Not Applicable	User Brian Bunyi	


JT

JT 2605		12/11/2023
Joshua Tree JT 2605	Location 34.23858870°, -116.37651120° 3204.72 ft	
Latitude (WGS 84) 34.23858870	Longitude (WGS 84) -116.37651120	
Elevation (ft) 3204.72	Accuracy (ft) 12.4	
Date/Time 12/11/2023	Live or Dead Live	
Height of Tree (meters) 4.1	Size Class B	
Mature Tree (Branched) Yes	Flowering or Fruiting Stage (flowers, fruits, or none) None	
Attachment	Relocation Not Applicable	
		
d5f44be253604d97b3068fb73a67dd19.jpg User Brian Bunyi		


JT

JT 2606		12/11/2023
Joshua Tree JT 2606	Location 34.23868440°, -116.37624300° 3207.02 ft	
Latitude (WGS 84) 34.23868440	Longitude (WGS 84) -116.37624300	
Elevation (ft) 3207.02	Accuracy (ft) 13.03	
Date/Time 12/11/2023	Live or Dead Dead	
Mature Tree (Branched) No	Attachment	
		
		0ec3f9f728c14f1cbf3f67b47454de6a.jpg
Relocation Not Applicable	User Brian Bunyi	


JT

JT 2607		12/11/2023
Joshua Tree JT 2607	Location 34.23915250°, -116.37607720° 3203.74 ft	
Latitude (WGS 84) 34.23915250	Longitude (WGS 84) -116.37607720	
Elevation (ft) 3203.74	Accuracy (ft) 12.82	
Date/Time 12/11/2023	Live or Dead Dead	
Mature Tree (Branched) No	Attachment	
		
		853463477498480fa18b2177d4234913.jpg
Relocation Not Applicable	User Brian Bunyi	

JT

JT 2608			12/11/2023
Joshua Tree	JT 2608	Location	34.23835780°, -116.37594070° 3211.94 ft
Latitude (WGS 84)	34.23835780	Longitude (WGS 84)	-116.37594070
Elevation (ft)	3211.94	Accuracy (ft)	11.51
Date/Time	12/11/2023	Live or Dead	Live
Height of Tree (meters)	4.0	Size Class	B
Mature Tree (Branched)	Yes	Flowering or Fruiting Stage (flowers, fruits, or none)	None
Attachment			Relocation Not Applicable
	<p>8d81d5f852b24bf0885bd39fd0cdbe32.jpg</p>		
User	Brian Bunyi		

JT

JT 2609		12/11/2023
Joshua Tree JT 2609	Location 34.23832970°, -116.37594120° 3207.35 ft	
Latitude (WGS 84) 34.23832970	Longitude (WGS 84) -116.37594120	
Elevation (ft) 3207.35	Accuracy (ft) 12.61	
Date/Time 12/11/2023	Live or Dead Live	
Height of Tree (meters) 0.3	Size Class A	
Mature Tree (Branched) No	Flowering or Fruiting Stage (flowers, fruits, or none) None	
Attachment		Relocation Not Applicable
	94ea7d54a18241e48bd5fc5410065edf.jpg	
User Brian Bunyi		

JT

JT 2610		12/11/2023
Joshua Tree JT 2610	Location 34.23835850°, -116.37594220° 3209.32 ft	
Latitude (WGS 84) 34.23835850	Longitude (WGS 84) -116.37594220	
Elevation (ft) 3209.32	Accuracy (ft) 13.85	
Date/Time 12/11/2023	Live or Dead Live	
Height of Tree (meters) 0.1	Size Class A	
Mature Tree (Branched) No	Flowering or Fruiting Stage (flowers, fruits, or none) None	
Attachment		Relocation Not Applicable
		1ede8ce3d9e949cb906775215348af6d.jpg
User Brian Bunyi		

JT

JT 2611		12/11/2023
Joshua Tree	JT 2611	
Location	34.23835620°, -116.37593310° 3202.43 ft	
Latitude (WGS 84)	34.23835620	Longitude (WGS 84) -116.37593310
Elevation (ft)	3202.43	Accuracy (ft) 13.03
Date/Time	12/11/2023	
Height of Tree (meters)	0.2	
Mature Tree (Branched)	No	
Flowering or Fruiting Stage (flowers, fruits, or none)	None	
Size Class	A	
Live or Dead	Live	
Relocation	Not Applicable	
Attachment		
	8543cccfb51343f7896017909c058b2a.jpg	
User	Brian Bunyi	

JT

JT 2612

12/11/2023

Joshua Tree JT 2612

Location 34.23834700°, -116.37593500°
3212.93 ft

Latitude (WGS 84) 34.23834700

Longitude (WGS 84) -116.37593500

Elevation (ft) 3212.93

Accuracy (ft) 12.8

Date/Time 12/11/2023

Live or Dead Live

Height of Tree (meters) 0.2

Size Class A

Mature Tree (Branched) No

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable


b4c18fa2de2f4a209061f6466c8b3904.jpg

User Brian Bunyi

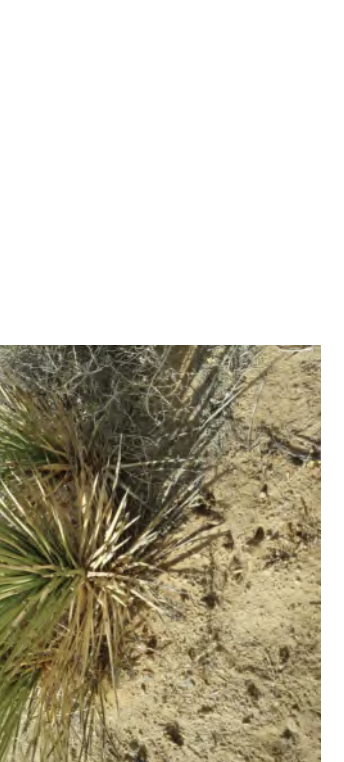
JT

JT 2613		12/11/2023
Joshua Tree JT 2613	Location 34.23836520°, -116.37627690° 3206.69 ft	
Latitude (WGS 84) 34.23836520	Longitude (WGS 84) -116.37627690	
Elevation (ft) 3206.69	Accuracy (ft) 11.9	
Date/Time 12/11/2023	Live or Dead Live	
Height of Tree (meters) 4.1	Size Class B	
Mature Tree (Branched) Yes	Flowering or Fruiting Stage (flowers, fruits, or none) None	
Attachment		Relocation Not Applicable
	c10b6a3686364cc692ccf64537434f4f.jpg	
User Brian Bunyi		


JT

JT 2614		12/11/2023
Joshua Tree JT 2614	Location 34.23838510°, -116.37626660° 3196.85 ft	
Latitude (WGS 84) 34.23838510	Longitude (WGS 84) -116.37626660	
Elevation (ft) 3196.85	Accuracy (ft) 12.8	
Date/Time 12/11/2023	Live or Dead Live	
Height of Tree (meters) 0.5	Size Class A	
Mature Tree (Branched) No	Flowering or Fruiting Stage (flowers, fruits, or none) None	
Attachment		Relocation Not Applicable
	dbd4245c1d87441a9e1500a02c99740c.jpg	
User Brian Bunyi		


JT

JT 2615		12/11/2023
Joshua Tree	JT 2615	
Location	34.23838850°, -116.37623350° 3194.23 ft	
Latitude (WGS 84)	34.23838850	
Longitude (WGS 84)	-116.37623350	
Elevation (ft)	3194.23	12.58
Date/Time	12/11/2023	Live
Live or Dead	Live	
Height of Tree (meters)	0.5	A
Mature Tree (Branched)	No	None
Flowering or Fruiting Stage	(flowers, fruits, or none)	
Relocation	Not Applicable	
Attachment		
	74088af53c724f0f84f5c079ee6d672d.jpg	
User	Brian Bunyi	

JT

JT 2616		12/11/2023
Joshua Tree JT 2616	Location 34.23838810°, -116.37624640° 3200.13 ft	
Latitude (WGS 84) 34.23838810	Longitude (WGS 84) -116.37624640	
Elevation (ft) 3200.13	Accuracy (ft) 13.08	
Date/Time 12/11/2023	Live or Dead Live	
Height of Tree (meters) 0.4	Size Class A	
Mature Tree (Branched) No	Flowering or Fruiting Stage (flowers, fruits, or none) None	
Attachment		Relocation Not Applicable
	0a054f74621c420b92f3fe19f6928d5e.jpg	
User Brian Bunyi		

JT

JT 2617		12/11/2023
Joshua Tree JT 2617	Location 34.23837310°, -116.37625420° 3196.85 ft	
Latitude (WGS 84) 34.23837310	Longitude (WGS 84) -116.37625420	
Elevation (ft) 3196.85	Accuracy (ft) 12.81	
Date/Time 12/11/2023	Live or Dead Live	
Height of Tree (meters) 0.3	Size Class A	
Mature Tree (Branched) No	Flowering or Fruiting Stage (flowers, fruits, or none) None	
Attachment		Relocation Not Applicable
		8efe318f11824063825ecd5ebf7224bf.jpg
User Brian Bunyi		

JT

JT 2618

12/11/2023

Joshua Tree JT 2618

Location 34.23837220°, -116.37625600°
3194.55 ft

Latitude (WGS 84) 34.23837220

Longitude (WGS 84) -116.37625600

Elevation (ft) 3194.55

Accuracy (ft) 12.23

Date/Time 12/11/2023

Live or Dead Live

Height of Tree (meters) 1.0

Size Class B

Mature Tree (Branched) No

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment




Relocation Not Applicable


8a5f9a2c23174371896841e21b8fea74.jpg

User Brian Bunyi


JT

JT 2619		12/11/2023
Joshua Tree JT 2619	Location 34.23838290°, -116.37628340° 3199.48 ft	
Latitude (WGS 84) 34.23838290	Longitude (WGS 84) -116.37628340	
Elevation (ft) 3199.48	Accuracy (ft) 12.8	
Date/Time 12/11/2023	Live or Dead Live	
Height of Tree (meters) 1.2	Size Class B	
Mature Tree (Branched) No	Flowering or Fruiting Stage (flowers, fruits, or none) None	
Attachment		Relocation Not Applicable
	724aa3eb2f344971843de286217f5c20.jpg	
User Brian Bunyi		


JT

JT 2620		12/11/2023
Joshua Tree JT 2620	Location 34.23838340°, -116.37627710° 3195.54 ft	
Latitude (WGS 84) 34.23838340	Longitude (WGS 84) -116.37627710	
Elevation (ft) 3195.54	Accuracy (ft) 13.79	
Date/Time 12/11/2023	Live or Dead Live	
Height of Tree (meters) 0.3	Size Class A	
Mature Tree (Branched) No	Flowering or Fruiting Stage (flowers, fruits, or none) None	
Attachment		Relocation Not Applicable
		3d2f75d3a2304d5eaab32ca8b2111bf5.jpg
User Brian Bunyi		


JT

JT 2621		12/11/2023
Joshua Tree	JT 2621	
Location	34.23838560°, -116.37627500° 3197.83 ft	
Latitude (WGS 84)	34.23838560	Longitude (WGS 84) -116.37627500
Elevation (ft)	3197.83	Accuracy (ft) 13.63
Date/Time	12/11/2023	
Height of Tree (meters)	0.1	
Mature Tree (Branched)	No	
Flowering or Fruiting Stage (flowers, fruits, or none)	None	
Size Class	A	
Live or Dead	Live	
Relocation	Not Applicable	
Attachment		
	12ce05e2ad20496d4885e0373782f8508.jpg	
User	Brian Bunyi	

JT

JT 2622		12/11/2023
Joshua Tree JT 2622	Location 34.23837280°, -116.37628270° 3191.93 ft	
Latitude (WGS 84) 34.23837280	Longitude (WGS 84) -116.37628270	
Elevation (ft) 3191.93	Accuracy (ft) 12.48	
Date/Time 12/11/2023	Live or Dead Live	
Height of Tree (meters) 0.2	Size Class A	
Mature Tree (Branched) No	Flowering or Fruiting Stage (flowers, fruits, or none) None	
Attachment		Relocation Not Applicable
	208c7762fb024993ab17672782db3cd3.jpg	User Brian Bunyi

JT

JT 2623		12/11/2023
Joshua Tree JT 2623	Location 34.23837090°, -116.37628340° 3194.55 ft	
Latitude (WGS 84) 34.23837090	Longitude (WGS 84) -116.37628340	
Elevation (ft) 3194.55	Accuracy (ft) 12.8	
Date/Time 12/11/2023	Live or Dead Live	
Height of Tree (meters) 0.3	Size Class A	
Mature Tree (Branched) No	Flowering or Fruiting Stage (flowers, fruits, or none) None	
Attachment		Relocation Not Applicable
	e5fe7d43729e420ba75e83f5404ace23.jpg	
User Brian Bunyi		

JT

JT 2624

12/11/2023

Joshua Tree JT 2624

Location 34.23837610°, -116.37629220°
3195.21 ft

Latitude (WGS 84) 34.23837610

Longitude (WGS 84) -116.37629220

Elevation (ft) 3195.21

Accuracy (ft) 13.01

Date/Time 12/11/2023

Live or Dead Live

Height of Tree (meters) 0.3

Size Class A

Mature Tree (Branched) No

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable

f33f3dfbd2ea4951bde2063fc540cab2.jpg


User Brian Bunyi

JT

JT 2625	12/11/2023
Joshua Tree JT 2625	Location 34.23836770°, -116.37626700° 3183.73 ft
Latitude (WGS 84) 34.23836770	Longitude (WGS 84) -116.37626700
Elevation (ft) 3183.73	Accuracy (ft) 13.43
Date/Time 12/11/2023	Live or Dead Live
Height of Tree (meters) 0.4	Size Class A
Mature Tree (Branched) No	Flowering or Fruiting Stage (flowers, fruits, or none) None
Attachment	Relocation Not Applicable
	ec780c10b88c43169f8ef4d40a252606.jpg User Brian Bunyi



JT

JT 2626		12/11/2023
Joshua Tree JT 2626	Location 34.23837400°, -116.37627590° 3192.59 ft	
Latitude (WGS 84) 34.23837400	Longitude (WGS 84) -116.37627590	
Elevation (ft) 3192.59	Accuracy (ft) 12.24	
Date/Time 12/11/2023	Live or Dead Live	
Height of Tree (meters) 0.2	Size Class A	
Mature Tree (Branched) No	Flowering or Fruiting Stage (flowers, fruits, or none) None	
Attachment		Relocation Not Applicable
	ea5ea4d799ef40999bc3a2dff9d0743.jpg	
User Brian Bunyi		

JT

JT 2627

12/11/2023

Joshua Tree JT 2627

Location 34.23837230°, -116.37627390°
3192.91 ft

Latitude (WGS 84) 34.23837230

Longitude (WGS 84) -116.37627390

Elevation (ft) 3192.91

Accuracy (ft) 12.8

Date/Time 12/11/2023

Live or Dead Live

Height of Tree (meters) 0.2

Size Class A

Mature Tree (Branched) No

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



7aab1770b7f0416fa38305e0bd8d0c6a.jpg

Relocation Not Applicable

User Brian Bunyi

JT

JT 2628			12/11/2023
Joshua Tree	JT 2628	Location	34.23837390°, -116.37626060° 3184.71 ft
Latitude (WGS 84)	34.23837390	Longitude (WGS 84)	-116.37626060
Elevation (ft)	3184.71	Accuracy (ft)	12.8
Date/Time	12/11/2023	Live or Dead	Live
Height of Tree (meters)	0.3	Size Class	A
Mature Tree (Branched)	No	Flowering or Fruiting Stage (flowers, fruits, or none)	None
Attachment			
		Relocation	Not Applicable
User	Brian Bunyi		

f431c0770cc549f58c8c692ba3532537.jpg

JT

JT 2629

12/11/2023

Joshua Tree JT 2629

Location 34.23837660°, -116.37629110°
3188.65 ft

Latitude (WGS 84) 34.23837660

Longitude (WGS 84) -116.37629110

Elevation (ft) 3188.65

Accuracy (ft) 15.25

Date/Time 12/11/2023

Live or Dead Live

Height of Tree (meters) 0.2

Size Class A

Mature Tree (Branched) No

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment




Relocation Not Applicable


53594b2e0a64c7d96d87dae6d16c316.jpg

User Brian Bunyi


JT

JT 2630	12/11/2023
Joshua Tree JT 2630	Location 34.23836840°, -116.37628290° 3192.26 ft
Latitude (WGS 84) 34.23836840	Longitude (WGS 84) -116.37628290
Elevation (ft) 3192.26	Accuracy (ft) 14.19
Date/Time 12/11/2023	Live or Dead Live
Height of Tree (meters) 0.2	Size Class A
Mature Tree (Branched) No	Flowering or Fruiting Stage (flowers, fruits, or none) None
Attachment	Relocation Not Applicable
	
21341510a93c453f84a74a4c2e0bf916.jpg	
User Brian Bunyi	

JT

JT 2632		12/11/2023
Joshua Tree JT 2632	Location 34.23837830°, -116.37625440° 3179.46 ft	
Latitude (WGS 84) 34.23837830	Longitude (WGS 84) -116.37625440	
Elevation (ft) 3179.46	Accuracy (ft) 12.8	
Date/Time 12/11/2023	Live or Dead Live	
Height of Tree (meters) 0.1	Size Class A	
Mature Tree (Branched) No	Flowering or Fruiting Stage (flowers, fruits, or none) None	
Attachment		Relocation Not Applicable
	3efd85d8ff30407ba59a84da5ff5e4c6.jpg	
User Brian Bunyi		


JT

JT 2633		12/11/2023
Joshua Tree JT 2633	Location 34.23838020°, -116.37625850° 3201.12 ft	
Latitude (WGS 84) 34.23838020	Longitude (WGS 84) -116.37625850	
Elevation (ft) 3201.12	Accuracy (ft) 13.43	
Date/Time 12/11/2023	Live or Dead Live	
Height of Tree (meters) 0.1	Size Class A	
Mature Tree (Branched) No	Flowering or Fruiting Stage (flowers, fruits, or none) None	
Attachment		Relocation Not Applicable
	5ff6dae1255431b86b0289029c3b32f.jpg	
User Brian Bunyi		

JT

JT 2634		12/11/2023
Joshua Tree JT 2634	Location 34.23837800°, -116.37625860° 3183.4 ft	
Latitude (WGS 84) 34.23837800	Longitude (WGS 84) -116.37625860	
Elevation (ft) 3183.4	Accuracy (ft) 12.29	
Date/Time 12/11/2023	Live or Dead Live	
Height of Tree (meters) 0.1	Size Class A	
Mature Tree (Branched) No	Flowering or Fruiting Stage (flowers, fruits, or none) None	
Attachment		Relocation Not Applicable
	489b3cc8d40841a2ade4cd0597be604b.jpg	
User Brian Bunyi		

JT

JT 2635		12/11/2023
Joshua Tree	JT 2635	
Location	34.23837380°, -116.37625630° 3196.85 ft	
Latitude (WGS 84)	34.23837380	
Longitude (WGS 84)	-116.37625630	
Elevation (ft)	3196.85	12.8
Date/Time	12/11/2023	Live
Height of Tree (meters)	0.3	A
Mature Tree (Branched)	No	None
Attachment		Relocation Not Applicable
User	Brian Bunyi	

2d57cf2bd5e44a99ade2c5727a49fa32.jpg

JT

JT 2636

12/11/2023

Joshua Tree JT 2636

Location 34.23850840°, -116.37619300°
3196.85 ft

Latitude (WGS 84) 34.23850840

Longitude (WGS 84) -116.37619300

Elevation (ft) 3196.85

Accuracy (ft) 12.33

Date/Time 12/11/2023

Live or Dead Live

Height of Tree (meters) 1.1

Size Class B

Mature Tree (Branched) No

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment




Relocation Not Applicable

d98f48f391ca431eaf51dbel1fa4a6ce4.jpg

User Brian Bunyi

JT

JT 2637		12/11/2023
Joshua Tree	JT 2637	
Location	34.23824020°, -116.37598950° 3202.1 ft	
Latitude (WGS 84)	34.23824020	
Longitude (WGS 84)	-116.37598950	
Elevation (ft)	3202.1	12.83
Accuracy (ft)	12/11/2023	Dead
Date/Time		
Mature Tree (Branched)	No	
Attachment		03754d303e794bb9130c621a0f9ddec.jpg
Relocation	Not Applicable	User Brian Bunyi

JT

JT 2638										12/11/2023
Joshua Tree	JT 2638	Location	34.23722300°, -116.37782733° 3284.12 ft							
Latitude (WGS 84)	34.23722300	Longitude (WGS 84)	-116.37782733							
Elevation (ft)	3284.12	Accuracy (ft)	6.56							
Date/Time	12/11/2023	Live or Dead	Live							
Height of Tree (meters)	3.2	Size Class	B							
Mature Tree (Branched)	No	Flowering or Fruiting Stage (flowers, fruits, or none)	None							
Attachment			Relocation	Not Applicable						
User	Brian Bunyi									

9873967ecfd8-4ac88aec7f915d533.dfb.jpg

JT

JT 2639

12/11/2023

Joshua Tree JT 2639

Location 34.23724133°, -116.37781717°
3282.15 ft

Latitude (WGS 84) 34.23724133

Longitude (WGS 84) -116.37781717

Elevation (ft) 3282.15

Accuracy (ft) 5.34

Date/Time 12/11/2023

Live or Dead Live

Height of Tree (meters) 1.5

Size Class B

Mature Tree (Branched) No

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable


25e625de8aa14f35a36ecbd2b18fe828.jpg

User Brian Bunyi



JT

JT 2640		12/11/2023
Joshua Tree JT 2640	Location 34.23723500°, -116.37784517° 3285.1 ft	
Latitude (WGS 84) 34.23723500	Longitude (WGS 84) -116.37784517	
Elevation (ft) 3285.1	Accuracy (ft) 6.96	
Date/Time 12/11/2023	Live or Dead Live	
Height of Tree (meters) 2.1	Size Class B	
Mature Tree (Branched) No	Flowering or Fruiting Stage (flowers, fruits, or none) None	
Attachment		Relocation Not Applicable
		11d9cffa4fe44d529b00af220dfbfl5b.jpg
User Brian Bunyi		



JT

JT 2641		12/11/2023
Joshua Tree	JT 2641	
Location	34.23731900°, -116.37779150° 3288.39 ft	
Latitude (WGS 84)	34.23731900	Longitude (WGS 84) -116.37779150
Elevation (ft)	3288.39	Accuracy (ft) 6.56
Date/Time	12/11/2023	
Height of Tree (meters)	3.8	
Mature Tree (Branched)	No	
Flowering or Fruiting Stage (flowers, fruits, or none)	None	
Relocation	Not Applicable	
Attachment		
	ce49bf968e3b44eaa48752159b595dc0.jpg	
User	Brian Bunyi	

JT

JT 2642		12/11/2023
Joshua Tree JT 2642	Location 34.23736617°, -116.37778117° 3283.14 ft	
Latitude (WGS 84) 34.23736617	Longitude (WGS 84) -116.37778117	
Elevation (ft) 3283.14	Accuracy (ft) 6.56	
Date/Time 12/11/2023	Live or Dead Live	
Height of Tree (meters) 2.1	Size Class B	
Mature Tree (Branched) No	Flowering or Fruiting Stage (flowers, fruits, or none) None	
Attachment		
		
	7bb61c9902ef4 48589dc57a384 e339e0.jpg	9e4f1b48dcc34d559769e03e497234a3.jpg
Relocation Not Applicable	User Brian Bunyi	


JT

JT 2643		12/11/2023
Joshua Tree JT 2643	Location 34.23773500°, -116.37776583° 3286.75 ft	
Latitude (WGS 84) 34.23773500	Longitude (WGS 84) -116.37776583	
Elevation (ft) 3286.75	Accuracy (ft) 6.73	
Date/Time 12/11/2023	Live or Dead Dead	
Mature Tree (Branched) No		
Attachment	  09ccf78300a84 2ca85ec862a9b fe59fa.jpg	
Relocation Not Applicable	User Brian Bunyi	

JT

JT 2644		12/11/2023
Joshua Tree JT 2644	Location 34.23775267°, -116.37784200° 3279.2 ft	
Latitude (WGS 84) 34.23775267	Longitude (WGS 84) -116.37784200	
Elevation (ft) 3279.2	Accuracy (ft) 5.1	
Date/Time 12/11/2023	Live or Dead Live	
Height of Tree (meters) 5.1	Size Class C	
Mature Tree (Branched) Yes	Flowering or Fruiting Stage (flowers, fruits, or none) None	
Attachment	Relocation Not Applicable	
		
bf35aa7e849d410ba6b1a1ffcaafddf3.jpg User Brian Bunyi		

JT

JT 2645		12/11/2023
Joshua Tree JT 2645	Location 34.23796267°, -116.37780800° 3285.76 ft	
Latitude (WGS 84) 34.23796267	Longitude (WGS 84) -116.37780800	
Elevation (ft) 3285.76	Accuracy (ft) 6.73	
Date/Time 12/11/2023	Live or Dead Dead	
Mature Tree (Branched) No	Attachment	
		
	e6dca2780ca949788dc41f4c97a3198c.jpg	
Relocation Not Applicable	User Brian Bunyi	

JT

JT 2646

12/11/2023

Joshua Tree JT 2646

Location 34.23825117°, -116.37794950°
3285.76 ft

Latitude (WGS 84) 34.23825117

Longitude (WGS 84) -116.37794950

Elevation (ft) 3285.76

Accuracy (ft) 4.68

Date/Time 12/11/2023

Live or Dead Live

Height of Tree (meters) 3.7

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable

26ecc045cf3d41f6888585ca36004bed.jpg

User Brian Bunyi

JT

JT 2647

12/11/2023

Joshua Tree JT 2647

Location 34.23840000°, -116.37786633°
3286.75 ft

Latitude (WGS 84) 34.23840000

Longitude (WGS 84) -116.37786633

Elevation (ft) 3286.75

Accuracy (ft) 6.05

Date/Time 12/11/2023

Live or Dead Live

Height of Tree (meters) 4.4

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable

1dbf8b11df574bb1a8ab9549b6b33894c.jpg

User Brian Bunyi

JT

JT 2648

12/11/2023

Joshua Tree JT 2648

Location 34.23854633°, -116.37795517°
3283.79 ft

Latitude (WGS 84) 34.23854633

Longitude (WGS 84) -116.37795517

Elevation (ft) 3283.79

Accuracy (ft) 4.84

Date/Time 12/11/2023

Live or Dead Live

Height of Tree (meters) 3.9

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment




Relocation Not Applicable

39461a9a34f0429da3a4575201175977.jpg

User Brian Bunyi


JT

JT 2649		12/11/2023
Joshua Tree	JT 2649	
Location	34.23867267°, -116.37795267° 3286.75 ft	
Latitude (WGS 84)	34.23867267	Longitude (WGS 84) -116.37795267
Elevation (ft)	3286.75	Accuracy (ft) 6.1
Date/Time	12/11/2023	Live or Dead Live
Height of Tree (meters)	4.0	Size Class B
Mature Tree (Branched)	Yes	Flowering or Fruiting Stage (flowers, fruits, or none) None
Attachment		Relocation Not Applicable
	7eb1b81127a14709a68a867e69be7535.jpg	
User	Brian Bunyi	


JT

JT 2650		12/11/2023
Joshua Tree	JT 2650	
Location	34.23873767°, -116.37752783° 3306.1 ft	
Latitude (WGS 84)	34.23873767	
Longitude (WGS 84)	-116.37752783	
Elevation (ft)	3306.1	4.39
Date/Time	12/11/2023	Live
Height of Tree (meters)	2.7	B
Mature Tree (Branched)	Yes	None
Flowering or Fruiting Stage (flowers, fruits, or none)	None	
Relocation	Not Applicable	
Attachment		
	e2f4cceda95371658c134de9.jpg	
User	Brian Bunyi	


JT

JT 2651		12/11/2023
Joshua Tree JT 2651	Location 34.23868683°, -116.37747683° 3299.54 ft	
Latitude (WGS 84) 34.23868683	Longitude (WGS 84) -116.37747683	
Elevation (ft) 3299.54	Accuracy (ft) 3.94	
Date/Time 12/11/2023	Live or Dead Dead	
Mature Tree (Branched) No	Attachment	
		
		197418f9a35a4e1db9e06ace8992f2d.jpg
Relocation Not Applicable	User Brian Bunyi	

JT

JT 2652		12/11/2023
Joshua Tree JT 2652	Location 34.23850333°, -116.37755933° 3302.49 ft	
Latitude (WGS 84) 34.23850333	Longitude (WGS 84) -116.37755933	
Elevation (ft) 3302.49	Accuracy (ft) 4.2	
Date/Time 12/11/2023	Live or Dead Dead	
Mature Tree (Branched) No	Attachment	
		
Relocation Not Applicable	User Brian Bunyi	5c770ac050442e182427a1952ea0e35.jpg

JT

JT 2653		12/11/2023
Joshua Tree JT 2653	Location 34.23851150°, -116.37755100° 3295.28 ft	
Latitude (WGS 84) 34.23851150	Longitude (WGS 84) -116.37755100	
Elevation (ft) 3295.28	Accuracy (ft) 5.38	
Date/Time 12/11/2023	Live or Dead Dead	
Mature Tree (Branched) No	Attachment	
		
	490ea4c3cf894f1f8abf0e2d18d08f41.jpg	
Relocation Not Applicable	User Brian Bunyi	

JT

JT 2654

12/11/2023

Joshua Tree JT 2654

Location 34.23839900°, -116.37751450°
3306.1 ft

Latitude (WGS 84) 34.23839900

Longitude (WGS 84) -116.37751450

Elevation (ft) 3306.1

Accuracy (ft) 5.38

Date/Time 12/11/2023

Live or Dead Live

Height of Tree (meters) 5.0

Size Class C

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable

dd9e68e7cf7e41b5a295017bc064aa3d.jpg

User Brian Bunyi

JT

JT 2655		12/11/2023
Joshua Tree JT 2655	Location 34.23843217°, -116.37748000° 3304.13 ft	
Latitude (WGS 84) 34.23843217	Longitude (WGS 84) -116.37748000	
Elevation (ft) 3304.13	Accuracy (ft) 7.23	
Date/Time 12/11/2023	Live or Dead Live	
Height of Tree (meters) 2.9	Size Class B	
Mature Tree (Branched) Yes	Flowering or Fruiting Stage (flowers, fruits, or none) None	
Attachment		Relocation Not Applicable
	b88b0892634e4b8e905cba1603bacab3.jpg	
User Brian Bunyi		

JT

JT 2656										12/11/2023
Joshua Tree	JT 2656	Location	34.23834733°, -116.37749450° 3308.4 ft							
Latitude (WGS 84)	34.23834733	Longitude (WGS 84)	-116.37749450							
Elevation (ft)	3308.4	Accuracy (ft)	4.34							
Date/Time	12/11/2023	Live or Dead	Live							
Height of Tree (meters)	1.1	Size Class	B							
Mature Tree (Branched)	No	Flowering or Fruiting Stage (flowers, fruits, or none)	None							
Attachment			Relocation	Not Applicable						
	440a83da549f45c58d7e9f44075c4f5b.jpg									
User	Brian Bunyi									

JT

JT 2657

12/11/2023

Joshua Tree JT 2657

Location 34.23834067°, -116.37756800°
3308.07 ft

Latitude (WGS 84) 34.23834067

Longitude (WGS 84) -116.37756800

Elevation (ft) 3308.07

Accuracy (ft) 5.06

Date/Time 12/11/2023

Live or Dead Live

Height of Tree (meters) 4.1

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable

1231f961b286449b8b0934e27a94b830.jpg

User Brian Bunyi

JT

JT 2658

12/11/2023

Joshua Tree JT 2658

Location 34.23834350°, -116.37756867°
3287.73 ft

Latitude (WGS 84) 34.23834350

Longitude (WGS 84) -116.37756867

Elevation (ft) 3287.73

Accuracy (ft) 5.8

Date/Time 12/11/2023

Live or Dead Live

Height of Tree (meters) 2.6

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None




Attachment

Relocation Not Applicable

fcfaecd88b744dfb8a2fea699dcbelb3.jpg


User Brian Bunyi

JT

JT 2659		12/11/2023
Joshua Tree JT 2659	Location 34.23824400°, -116.37753683° 3300.2 ft	
Latitude (WGS 84) 34.23824400	Longitude (WGS 84) -116.37753683	
Elevation (ft) 3300.2	Accuracy (ft) 6.83	
Date/Time 12/11/2023	Live or Dead Live	
Height of Tree (meters) 2.8	Size Class B	
Mature Tree (Branched) Yes	Flowering or Fruiting Stage (flowers, fruits, or none) None	
Attachment		
		
	a6a7bf85f5eb4 843b99fa4f211 c71105.jpg	
Relocation Not Applicable	User Brian Bunyi	

590857251b654b5ea4514bb2df75f00a.jpg

JT

JT 2660		12/11/2023
Joshua Tree JT 2660	Location 34.23817767°, -116.37751917° 3292.32 ft	
Latitude (WGS 84) 34.23817767	Longitude (WGS 84) -116.37751917	
Elevation (ft) 3292.32	Accuracy (ft) 6.3	
Date/Time 12/11/2023	Live or Dead Live	
Height of Tree (meters) 5.1	Size Class C	
Mature Tree (Branched) Yes	Flowering or Fruiting Stage (flowers, fruits, or none) None	
Attachment		Relocation Not Applicable
	09af5c423a7a4823912447a69efb2753.jpg	
User Brian Bunyi		

JT

JT 2661

12/11/2023

Joshua Tree JT 2661

Location 34.23816150°, -116.37735800°
3291.34 ft

Latitude (WGS 84) 34.23816150

Longitude (WGS 84) -116.37735800

Elevation (ft) 3291.34

Accuracy (ft) 9.54

Date/Time 12/11/2023

Live or Dead Live

Height of Tree (meters) 3.6

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment




Relocation Not Applicable

03b375aa78094193b97935780967ab22.jpg

User Brian Bunyi

JT

JT 2662		12/11/2023
Joshua Tree JT 2662	Location 34.23803650°, -116.37755267° 3298.56 ft	
Latitude (WGS 84) 34.23803650	Longitude (WGS 84) -116.37755267	
Elevation (ft) 3298.56	Accuracy (ft) 9.58	
Date/Time 12/11/2023	Live or Dead Live	
Height of Tree (meters) 4.4	Size Class B	
Mature Tree (Branched) Yes	Flowering or Fruiting Stage (flowers, fruits, or none) None	
Attachment	Relocation Not Applicable	
		
2e35398f059a4280b3a304c7c75d6f78.jpg User Brian Bunyi		

JT

JT 2663

12/11/2023

Joshua Tree JT 2663

Location 34.23795717°, -116.37750533°
3301.18 ft

Latitude (WGS 84) 34.23795717

Longitude (WGS 84) -116.37750533

Elevation (ft) 3301.18

Accuracy (ft) 5.26

Date/Time 12/11/2023

Live or Dead Live

Height of Tree (meters) 3.1

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable

abc7030d65914b6785c1f11abee0e04b.jpg

User Brian Bunyi

JT

JT 2664

12/11/2023

Joshua Tree JT 2664

Location 34.23764850°, -116.37755333°
3298.56 ft

Latitude (WGS 84) 34.23764850

Longitude (WGS 84) -116.37755333

Elevation (ft) 3298.56

Accuracy (ft) 6.05

Date/Time 12/11/2023

Live or Dead Live

Height of Tree (meters) 5

Size Class C

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



548f96d7d75943e1984b88919a0f133e.jpg


8a5436bc82694e38bce93f9426551990.jpg

Relocation Not Applicable

Additional Notes Lower branch

User Brian Bunyi

JT

JT 2665		12/11/2023
Joshua Tree	JT 2665	
Location	34.23763150°, -116.37754733° 3303.48 ft	
Latitude (WGS 84)	34.23763150	Longitude (WGS 84)
Elevation (ft)	3303.48	Accuracy (ft)
Date/Time	12/11/2023	Live or Dead
Height of Tree (meters)	0.9	Size Class
Mature Tree (Branched)	No	Flowering or Fruiting Stage (flowers, fruits, or none)
Attachment		
		Relocation
		Not Applicable
User	Brian Bunyi	

6dd254b5ca6d4f50917ed2b7ac5618f2.jpg

JT

JT 2666

12/11/2023

Joshua Tree JT 2666

Location 34.23762783°, -116.37755583°
3302.82 ft

Latitude (WGS 84) 34.23762783

Longitude (WGS 84) -116.37755583

Elevation (ft) 3302.82

Accuracy (ft) 4.1

Date/Time 12/11/2023

Live or Dead Live

Height of Tree (meters) 0.4

Size Class A

Mature Tree (Branched) No

Flowering or Fruiting Stage (flowers, fruits, or none) None



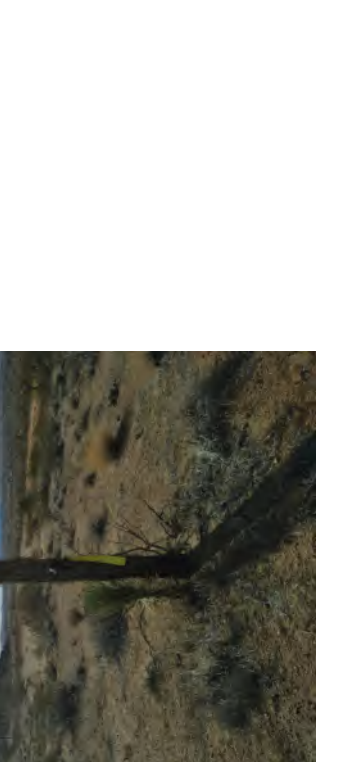
Attachment

Relocation Not Applicable


5781bf27eb254d669092f5305b27e14e.jpg

User Brian Bunyi


JT

JT 2667		12/11/2023
Joshua Tree	JT 2667	
Location	34.23752533°, -116.37746300° 3289.37 ft	
Latitude (WGS 84)	34.23752533	Longitude (WGS 84) -116.37746300
Elevation (ft)	3289.37	Accuracy (ft) 5.12
Date/Time	12/11/2023	
Height of Tree (meters)	4.0	
Mature Tree (Branched)	Yes	
Flowering or Fruiting Stage (flowers, fruits, or none)	None	
Relocation	Not Applicable	
Attachment		
	4ffaf47d1c26404dba6338557d0f66ae.jpg	
User	Brian Bunyi	

JT

JT 2668		12/11/2023
Joshua Tree JT 2668	Location 34.23752083, -116.37745617° 3288.71 ft	
Latitude (WGS 84) 34.23752083	Longitude (WGS 84) -116.37745617	
Elevation (ft) 3288.71	Accuracy (ft) 5.34	
Date/Time 12/11/2023	Live or Dead Live	
Height of Tree (meters) 1.1	Size Class B	
Mature Tree (Branched) No	Flowering or Fruiting Stage (flowers, fruits, or none) None	
Attachment		Relocation Not Applicable
	dc894abf4dffa41639e10360cabfca412.jpg	
User Brian Bunyi		

JT

JT 2669		12/11/2023
Joshua Tree JT 2669	Location 34.23758733°, -116.37745867° 3292.98 ft	
Latitude (WGS 84) 34.23758733	Longitude (WGS 84) -116.37745867	
Elevation (ft) 3292.98	Accuracy (ft) 6.05	
Date/Time 12/11/2023	Live or Dead Dead	
Mature Tree (Branched) No	Attachment	
		
		29b9a8fa37504c5e8865c4b781593c82.jpg
Relocation Not Applicable	User Brian Bunyi	

JT

JT 2670

12/11/2023

Joshua Tree JT 2670

Location 34.23758783°, -116.37744900°
3297.24 ft

Latitude (WGS 84) 34.23758783

Longitude (WGS 84) -116.37744900

Elevation (ft) 3297.24

Accuracy (ft) 6.73

Date/Time 12/11/2023

Live or Dead Live

Height of Tree (meters) 4.3

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable

086a9ade419a402ea6844d144181a15c.jpg

User Brian Bunyi

JT

JT 2671

12/11/2023

Joshua Tree JT 2671

Location 34.23760033°, -116.37744733°
3283.46 ft

Latitude (WGS 84) 34.23760033

Longitude (WGS 84) -116.37744733

Elevation (ft) 3283.46

Accuracy (ft) 5.34

Date/Time 12/11/2023

Live or Dead Live

Height of Tree (meters) 1.8

Size Class B

Mature Tree (Branched) No

Flowering or Fruiting Stage (flowers, fruits, or none) None



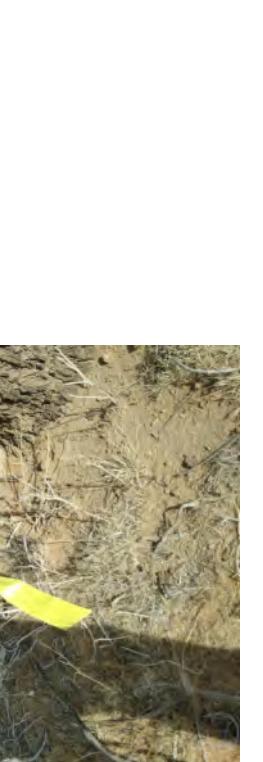
Attachment

Relocation Not Applicable

e98e50f9fc214ca7a3b820a0fc842aab.jpg

User Brian Bunyi

JT

JT 2672		12/11/2023
Joshua Tree	JT 2672	
Location	34.23758817°, -116.37746783° 3292.32 ft	
Latitude (WGS 84)	34.23758817	Longitude (WGS 84) -116.37746783
Elevation (ft)	3292.32	Accuracy (ft) 5.38
Date/Time	12/11/2023	
Height of Tree (meters)	0.4	
Mature Tree (Branched)	No	
Flowering or Fruiting Stage (flowers, fruits, or none)	None	
Size Class	A	
Live or Dead	Live	
Relocation	Not Applicable	
Attachment		
	dfb07befbb1f433b91d70d0cc7585cb2.jpg	
User	Brian Bunyi	

Nondisturbance Area

Name	Area	Date/Time	User
Nondisturbance Area	area: 29.6 acres perimeter: 1.0 mi	4/25/2024 1:13 PM	Brian Bunyi

Offsite JT

Offsite JT 790

12/7/2023

Joshua Tree Offsite JT 790

Location 34.24020531°, -116.37802128°

Latitude (WGS 84) 34.24020531

Longitude (WGS 84) -116.37802128

Date/Time 12/7/2023 9:24 AM

Live or Dead Live

Height of Tree (meters) 3.3

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable

97be93679bd44980b1beb71456946261.jpg

User Brian Bunyi

Offsite JT

Offsite JT 794

12/7/2023

Joshua Tree Offsite JT 794

Location 34.24258783°, -116.37808733°
3244.75 ft

Latitude (WGS 84) 34.24258783

Longitude (WGS 84) -116.37808733

Elevation (ft) 3244.75

Accuracy (ft) 6.73

Date/Time 12/7/2023 2:38 PM

Live or Dead Live

Height of Tree (meters) 2.5

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



Relocation Not Applicable

7ff2c1ccf6814aebbc8ff4e4d6d827f7.jpg

User Ryan Hunter

Offsite JT

Offsite JT 795

12/7/2023

Joshua Tree Offsite JT 795

Location 34.24332667°, -116.37800550°
3265.09 ft

Latitude (WGS 84) 34.24332667

Longitude (WGS 84) -116.37800550

Elevation (ft) 3265.09

Accuracy (ft) 4.07

Date/Time 12/7/2023 9:27 AM

Live or Dead Dead

Attachment



Relocation Not Applicable

af0ff4da8da14175a561b7616f25b92d.jpg

User Brian Bunyi

Offsite JT

Offsite JT 2498

4/26/2024

Joshua Tree Offsite JT 2498

Location 34.23783412°, -116.37404067°
0 ft

Latitude (WGS 84) 34.23783412

Longitude (WGS 84) -116.37404067

Elevation (ft) 0

Date/Time 4/26/2024 9:44 AM

Live or Dead Live

Height of Tree (meters) 3.1

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment




c18fd74a6425420fb4c8418f17046a60.jpg

Relocation Not Applicable

User Brian Bunyi

Offsite JT

Offsite JT 2534		4/24/2024
Joshua Tree	Offsite JT 2534	
Location	34.23676967°, -116.37744500° 3301.84 ft	
Latitude (WGS 84)	34.23676967	
Longitude (WGS 84)	-116.37744500	
Elevation (ft)	3301.84	
Date/Time	4/24/2024 2:14 PM	
Live or Dead	Live	
Height of Tree (meters)	4.9	
Size Class	B	
Mature Tree (Branched)	Yes	
Flowering or Fruiting Stage (flowers, fruits, or none)	None	
Impact to Tree (removal, trim, relocation, other or none)	34.23676967°, -116.37744500° 3301.84 ft Not Applicable	
Attachment		
Relocation	Not Applicable	
User	Brian Bunyi	

0a66351732ef4d1f8b3d0a513f3d56bc.jpg

Offsite JT

Offsite JT 2539

4/26/2024

Joshua Tree Offsite JT 2539

Location 34.23758946°, -116.37689154°
0 ft

Latitude (WGS 84) 34.23758946

Longitude (WGS 84) -116.37689154

Elevation (ft) 0

Date/Time 4/26/2024 9:40 AM

Live or Dead Live

Height of Tree (meters) 3.7

Size Class B

Mature Tree (Branched) Yes

Flowering or Fruiting Stage (flowers, fruits, or none) None

Attachment



f3c09a0454a74bfb6bd2b683661e7618.jpg




0a351593484943108f6e58e3c4831819.jpg

Relocation Not Applicable

User Brian Bunyi

Offsite JT

Offsite JT 2544		4/26/2024
Joshua Tree	Offsite JT 2544	
Location	34.23792126°, -116.37529527° 0 ft	
Latitude (WGS 84)	34.23792126	
Longitude (WGS 84)	-116.37529527	
Elevation (ft)	0	4/26/2024 9:42 AM
Date/Time		
Live or Dead	Dead	1.9
Height of Tree (meters)		
Size Class	B	Mature Tree (Branched)
		Yes
Flowering or Fruiting Stage (flowers, fruits, or none)	None	Attachment
		
		78a46c09c2324f70aa3cb8b92c7dbf8b.jpg
Relocation	Not Applicable	User Brian Bunyi

Point

Name	Latitude (WGS 84)	Longitude (WGS...	Elevation (ft)	Date/Time	User
NE Corner	34.24432581	-116.37226205	0	12/26/2023 11:42 AM	Brian Bunyi
NW Corner	34.24421022	-116.37794297	0	12/26/2023 11:42 AM	Brian Bunyi
SE Corner	34.23745378	-116.37185637		12/26/2023 11:45 AM	Brian Bunyi
SW Corner	34.23683991	-116.37800815		12/26/2023 11:44 AM	Brian Bunyi

Project Boundary

Name	Area	Date/Time	User
Project Boundary	area: 98.5 acres perimeter: 1.9 mi	12/7/2023 2:07 PM	Brian Bunyi

APPENDIX C

**California Department of Fish and Game
Code (1927)**

Chapter 11.5 (commencing with Section 1927) is added to Division 2 of the Fish and Game Code, to read:

CHAPTER 11.5. Western Joshua Tree Conservation Act

1927. This chapter shall be known, and may be cited as, the Western Joshua Tree Conservation Act.

1927.1. For purposes of this chapter, the following definitions apply:

(a) "Accessory structure" means a subordinate structure, the use of which is incidental to an existing or contemporaneously constructed single-family residence, including, an accessory dwelling unit, addition to an existing single-family residence, garage, carport, swimming pool, patio, greenhouse, storage shed, gazebo, septic tank, sewer connection, solar panels, fence, or gravel or paved driveway.

(b) "California Endangered Species Act" means the act established pursuant to Chapter 1.5 (commencing with Section 2050) of Division 3.

(c) "Conserve" or "conservation" means to use, and the use of, methods and procedures that are necessary to bring species listed pursuant to Chapter 1.5 (commencing with Section 2050) of Division 3 to the point at which the measures provided pursuant to Chapter 1.5 (commencing with Section 2050) of Division 3 are no longer necessary, and for species that are not listed to maintain or enhance the condition of the species so that listing will not become necessary.

(d) "Dead western Joshua tree" means a western Joshua tree that meets at least one of the following criteria:

(1) Has not burned and has no green leaves, no new growth on the main stem, and no basal sprouts.

(2) Has partially or fully burned at least 18 months prior and otherwise satisfies paragraph (1).

(3) Has fallen and is completely detached from its roots or has fallen and its roots are no longer in contact with the soil.

(e) "Desert native plant specialist" means an arborist certified by the International Society of Arborists, or an individual with at least five years of professional experience with relocation or restoration of native California desert vegetation.

(f) "Fee" means the elective fee described in subdivisions (d) and (e) of Section

1927.3, which is to be deposited into the fund.

(g) "Fund" means the Western Joshua Tree Conservation Fund as described in Section 1927.5.

(h) "Multifamily residence" means an apartment building, rowhouse, town house, condominium, or manufactured building that consists of two or more attached dwelling units designed for occupancy by two or more families living independently of one another.

(i) "Public works project" means a project involving the erection, construction, alteration, repair, or improvement of any public structure, building, road, or other public improvement of any kind.

(j) "Relocated" or "relocation" means the removal of a living western Joshua tree and a sufficient portion of its root mass from the ground and transplanting it.

(k) "Single-family residence" means a single detached building that has been, or will be, constructed and used as living facilities, including provisions for sleeping, eating, cooking, and sanitation, as required by the California Building Standards Code, for not more than one household.

(l) "Western Joshua tree" means *Yucca brevifolia*, an evergreen, tree-like plant that has been treated as a member of the asparagus family (Asparagaceae).

1927.2. (a) No person or public agency shall import into this state, export out of this state, or take, possess, purchase, or sell within this state, a western Joshua tree or any part or product of the tree, except as authorized pursuant to any of the following, as applicable:

(1) This chapter.

(2) The California Endangered Species Act.

(3) The Natural Community Conservation Planning Act (Chapter 10 (commencing with Section 2800) of Division 3).

(b) During any period in which the western Joshua tree has been designated by the commission as a candidate for listing under the California Endangered Species Act, any person or public agency seeking a take authorization for the western Joshua tree may obtain a take authorization as provided by the California Endangered Species Act or by electing to pay the fees set forth in Section 1927.3.

(c) (1) This chapter is a change in state law, within the meaning of paragraph (1) of subdivision (c) of Section 2075.5, that has a direct and significant impact on the commission's determination as to whether the petitioned action is warranted. Pursuant to subdivision (c) of Section 2075.5, the commission shall reopen the administrative record for the commission's determination for the purpose of assessing the impact of the conservation program established by this chapter.

(2) In making the assessment described in paragraph (1), the commission shall consider all of the following:

(A) The effectiveness of any conservation measures funded through expenditures of fees by the department pursuant to Section 1927.5.

(B) The conservation plan developed by the department and approved by the commission pursuant to Section 1927.6.

(C) Any annual reports submitted to the commission by the department pursuant to Section 1927.7.

(D) Any recommendations submitted to the commission by the department pursuant to subdivision (a) of Section 1927.8.

(E) The fee adjustments, if any, adopted by the department pursuant to subdivision (b) of Section 1927.8.

(F) An updated status review to be submitted to the commission by the department no later than January 1, 2033, unless the commission directs the department to submit the updated status review sooner.

(d) If the commission determines that listing the western Joshua tree as endangered or threatened pursuant to the California Endangered Species Act is not warranted, this chapter shall remain operative and the authorization of take of a western Joshua tree shall be pursuant to this chapter.

(e) If the commission determines that listing the western Joshua tree as endangered or threatened pursuant to the California Endangered Species Act is warranted, this chapter shall become inoperative and the authorization of take of a western Joshua tree shall only be pursuant to Chapter 1.5 (commencing with Section 2050) of Division 3 or pursuant to the Natural Community Conservation Planning Act (Chapter 10 (commencing with Section 2800) of Division 3).

(f) Upon the approval of a natural community conservation plan that provides for

the conservation of the western Joshua tree as a covered species, the authorization of take of a western Joshua tree for any project or activity covered by the plan shall only be pursuant to Chapter 10 (commencing with Section 2800) of Division 3.

(g) The provisions of the Native Plant Protection Act (Chapter 10 (commencing with Section 1900)), and the California Desert Native Plants Act (Division 23 (commencing with Section 80001) of the Food and Agricultural Code), shall not apply to the western Joshua tree.

(h) This section shall not preclude the department from authorizing, by permit or memorandum of understanding, the taking, possession, purchase, or sale within the state of a western Joshua tree to aid the conservation and recovery of the western Joshua tree, or entering into memoranda of understanding with California Native American tribes to provide for the taking and possession of western Joshua trees for tribal cultural purposes, or as otherwise required by applicable law.

(i) Any authorization issued by the department pursuant to Section 2081 or 2084, before the enactment of this chapter, to import, export, take, possess, purchase, or sell a western Joshua tree shall be valid and remain in effect after the enactment of this chapter pursuant to the terms of the authorization.

1927.3. (a) The department may authorize, by permit, the taking of a western Joshua tree if all of the following conditions are met:

(1) The permittee submits to the department for its approval a census of all western Joshua trees on the project site, including size information and photographs, that categorize the western Joshua trees according to the following size classes:

(A) Less than one meter in height.

(B) One meter or greater but less than five meters in height.

(C) Five meters or greater in height.

(2) The permittee avoids and minimizes impacts to, and the taking of, the western Joshua tree to the maximum extent practicable. Minimization may include trimming, encroachment on root systems, relocation, or other actions that result in detrimental but nonlethal impacts to a western Joshua tree.

(3) The permittee mitigates all impacts to, and taking of, the western Joshua tree. The measures required to meet this obligation shall be roughly proportional in extent to the impact of the authorized taking of the species. When various measures are

available to meet this obligation, the measures required shall maintain the permittee's objectives to the greatest extent possible. All required measures shall be capable of successful implementation. The permittee shall ensure adequate funding to implement the mitigation measures. In lieu of completing the mitigation obligation on its own, the permittee may elect to satisfy this mitigation obligation by paying fees, pursuant to the fee schedule in subdivision (d) or (e), for deposit into the fund.

(4) (A) The department may include permit conditions that require the permittee to relocate one or more of the western Joshua trees. If relocation is required, the permittee shall implement measures to assist the survival of relocated trees, and to comply with any other reasonable measures required by the department to facilitate the successful relocation and survival of the western Joshua trees. These relocation measures shall include, but are not limited to, all of the following:

(i) A requirement that the relocated western Joshua tree is placed in a location and with proper orientation to improve its survival.

(ii) A requirement that western Joshua trees are relocated at a time that maximizes their survival when feasible.

(iii) A requirement that a desert native plant specialist be onsite to oversee relocation.

(B) The department may limit relocation to certain size classes of trees.

(C) By July 1, 2024, the department shall adopt guidelines and relocation protocols, based on the best available science, to relocate western Joshua trees successfully. The department shall consult with desert native plant specialists as part of the development of these guidelines and relocation protocols. Chapter 3.5 (commencing with Section 11340) of Part 1 of Division 3 of Title 2 of the Government Code shall not apply to the development, adoption, or amendment of guidelines and relocation protocols pursuant to this subparagraph.

(b) For purposes of this section, each western Joshua tree stem or trunk arising from the ground shall be considered an individual tree requiring mitigation, regardless of its proximity to any other western Joshua tree stem or trunk.

(c) The department may enter into an agreement with any county or city to delegate to the county or city the ability to authorize the taking of a western Joshua tree associated with developing single-family residences, multifamily

residences, accessory structures, and public works projects concurrent with its approval of the project, if all of the following conditions are met:

(1) The county or city adopts an ordinance that requires as a condition of any approval or permit issued under the authority of an agreement entered into pursuant to this subdivision satisfaction of the requirements of this chapter.

(2) Except as provided otherwise in this subdivision, the county or city ensures that the permittee satisfies all of the requirements of subdivision (a) of this section.

(3) The project will take no more than 10 individual western Joshua trees on the project site where the project proponent proposes to construct a single-family residence, multifamily residence, or accessory structure, or no more than 40 individual western Joshua trees on the project site on which a public agency proposes to undertake a public works project. Before authorizing the take of more than 20, but no more than 40, individual western Joshua trees for a public works project, the county or city shall obtain the department's written concurrence that the project has avoided and minimized the take of western Joshua trees to the maximum extent practicable.

(4) The county or city shall collect any fees for permits issued and remit them quarterly to the fund as directed by the department.

(5) The county or city entering into an agreement pursuant to this subdivision may impose a reasonable fee to cover the administrative costs of issuing the permit.

(6) (A) The department retains express authority to suspend or revoke the county or city's take authorization in the event the department determines the county or city has violated the terms of the agreement, or this chapter, the county or city fails to implement or enforce the terms of the agreement or this chapter, or the department determines that the local population of western Joshua trees within, or in the vicinity of, that county or city needs further protection. The county or city shall conduct an annual assessment of the status of the local population within the county or city and submit the assessment to the department. The department shall determine if the population needs further protection to provide for the conservation of the species.

(B) The department shall adopt standardized survey and assessment methods for the annual assessment required pursuant to subparagraph (A), including requiring that a desert native plant specialist conduct the assessment. Chapter 3.5 (commencing with Section 11340) of Part 1 of Division 3 of Title 2 of the Government

Code shall not apply to the development, adoption, or amendment of standardized survey and assessment methods pursuant to this subparagraph.

(7) The county or city shall be required to submit to the department quarterly reports documenting the number of permits issued, photographs and other evidence demonstrating that take and other impacts were avoided and minimized to the maximum extent practicable, the number and size class of western Joshua trees authorized to be taken, the number of western Joshua trees encroached upon, the number of western Joshua trees lethally removed, the number and location of western Joshua trees relocated, the amount of fees collected, and other information required by the department in the agreement.

(d) Any person or public agency receiving a take authorization pursuant to this chapter for a project that meets the criteria set forth in paragraph (1) may elect, in lieu of satisfying the mitigation obligation provided for in paragraph (3) of subdivision (a), to pay fees in the amounts provided in paragraph (2) for deposit into the fund.

(1) (A) Any project in the area bounded by the intersection of Highway 99 and Highway 58, then east along Highway 58 to the intersection of Interstate 15, then north along Interstate 15 to the intersection of Highway 247, then south along Highway 247 to the intersection of Highway 18, then west along Highway 18 to the intersection of Highway 138, then west and north along Highway 138 to the intersection of Interstate 5, then north along Interstate 5 to the intersection of Highway 99, then north along Highway 99 to Highway 58.

(B) Any project receiving a permit issued by a county or city pursuant to an agreement with the department pursuant to subdivision (c), regardless of location.

(2) (A) One thousand dollars (\$1,000) for each western Joshua tree five meters or greater in height.

(B) Two hundred dollars (\$200) for each western Joshua tree one meter or greater but less than five meters in height.

(C) One hundred fifty dollars (\$150) for each western Joshua tree less than one meter in height.

(e) Any person or public agency receiving a take authorization pursuant to this chapter for a project that meets the criteria set forth in paragraph (1) may elect, in lieu of satisfying the mitigation obligation provided for in paragraph (3) of

subdivision (a), to pay fees in the amounts provided in paragraph (2) for deposit into the fund.

(1) (A) Notwithstanding paragraph (1) of subdivision (d), any project within two miles of Joshua Tree National Park, or any unit of the state park system.

(B) Any project that does not meet the criteria set forth in paragraph (1) of subdivision (d).

(2) (A) Two thousand five hundred dollars (\$2,500) for each western Joshua tree five meters or greater in height.

(B) Five hundred dollars (\$500) for each western Joshua tree one meter or greater but less than five meters in height.

(C) Three hundred forty dollars (\$340) for each western Joshua tree less than one meter in height.

(f) Upon request, the department may authorize a reduction in the amount of the fees prescribed by subdivisions (d) and (e) for any western Joshua tree conserved by a project proponent through the acquisition of compensatory habitat mitigation land otherwise required by law for the project.

(g) (1) The permittee shall bear responsibility for implementing measures to assist the survival of western Joshua trees relocated pursuant to paragraph (4) of subdivision (a).

(2) Unless specifically required by written agreement, a landowner that agrees in writing to allow western Joshua trees to be relocated onto land it owns shall not be liable for the continued survival of the western Joshua trees, shall not be required to manage or maintain the translocated western Joshua trees, and shall not be required to change existing land use practices, provided that the land use practices do not result in the taking, possession, sale, or further translocation of the western Joshua trees.

1927.4. (a) The department may issue a permit to authorize either the removal or trimming of dead western Joshua trees or the trimming of live western Joshua trees.

(1) Upon receipt of a permit and payment of any applicable administrative fees, a property owner or its agent may remove a detached dead western Joshua tree or the detached limb of a western Joshua tree. All other removals and all trimming of western Joshua trees authorized by permits issued pursuant to this subdivision shall

be completed by a desert native plant specialist.

(2) The department may issue permits pursuant to this section, without payment of fees or other mitigation, provided that the dead western Joshua trees or any limbs to be removed meet one of the following:

(A) Have fallen over and are within 30 feet of a structure.

(B) Are leaning against an existing structure.

(C) Create an imminent threat to public health or safety.

(3) A property owner seeking a permit pursuant to this subdivision shall submit a permit request to the department on a form to be provided by the department that requires the following information:

(A) The name, telephone number, mailing address, and email address of the property owner seeking the permit.

(B) The street address of the property on which the western Joshua trees to be removed or trimmed are located. If no street address is available, the property owner shall include the assessor's parcel number.

(C) Photographs of the western Joshua trees that visually depict the dead trees or the trees to be trimmed and that demonstrate that the western Joshua tree meets one or more of the requirements of paragraph (2).

(D) A signed attestation from the property owner or signed certification by a desert native plant specialist that the tree meets the definition of a dead western Joshua tree.

(4) (A) Within 30 days of receipt of a request for a permit pursuant to subparagraph (A) or (B) of paragraph (2), the department shall either issue a permit allowing for the removal or trimming, or deny the request if the request does not demonstrate a permit can be issued pursuant to this section.

(B) Within 10 days of receipt of a request for a permit pursuant to subparagraph (C) of paragraph (2), the department shall either issue a permit allowing for the removal or trimming, or deny the request if the request does not demonstrate a permit can be issued pursuant to this section.

(C) If the department issues a permit, it shall provide the property owner 60 days in which to complete the removal or trimming. The department may extend this 60-

day period in writing at its discretion.

(D) If the department denies the permit request, the property owner may resubmit the request with additional information and photographs. Resubmissions pursuant to this subdivision shall be processed as new permit requests.

(5) Within 30 days of completing the removal or trimming of one or more western Joshua trees in accordance with a permit issued pursuant to this section, the property owner shall submit, by mail or email, photographs of the site at which the western Joshua trees were removed or trimmed pursuant to the permit.

(b) The department may enter into an agreement with any county or city to delegate to the county or city the ability to authorize the removal or trimming of dead western Joshua trees or the trimming of live western Joshua trees, provided that the county or city ensures that all permits issued satisfy the requirements of subdivision (a). The county or city shall be required to submit to the department quarterly reports documenting the number of permits issued, the number and size class of western Joshua trees authorized to be removed or trimmed, and any other information specified in the agreement with the department. A county or city entering into an agreement pursuant to this subdivision may impose a reasonable fee to cover the administrative costs of issuing the permit.

(c) (1) The department retains express authority to suspend or revoke an agreement with any county or city to delegate to the county or city the ability to authorize the removal or trimming of dead western Joshua trees or the trimming of live western Joshua trees in the event the department determines the county or city has violated the terms of the agreement or this chapter, the county or city fails to implement or enforce the terms of the agreement or this chapter, or the local population of western Joshua trees within, or in the vicinity of, that county or city needs further protection. A county or city that has entered into an agreement with the department shall conduct an annual assessment of the status of the local population of western Joshua trees within the county or city and submit the assessment to the department. The department shall determine if the population needs further protection to provide for the conservation of the species.

(2) The department shall adopt standardized survey and assessment methods for the annual assessment required pursuant to paragraph (1), including requiring that a desert native plant specialist conduct the assessment. Chapter 3.5 (commencing with Section 11340) of Part 1 of Division 3 of Title 2 of the Government Code shall not apply to the development, adoption, or amendment of standardized survey and

assessment methods pursuant to this paragraph.

1927.5. (a) The Western Joshua Tree Mitigation Fund, created by the commission pursuant to Section 749.10 of Title 14 of the California Code of Regulations, is hereby continued in existence by this chapter, and is renamed the Western Joshua Tree Conservation Fund. Notwithstanding Section 13340 of the Government Code, any moneys in the fund are continuously appropriated to the department solely for the purposes of acquiring, conserving, and managing western Joshua tree conservation lands and completing other activities to conserve the western Joshua tree.

(b) All fees remitted to the department pursuant to this chapter shall be deposited into the fund.

(c) The fund may also receive other funding to support the conservation of the western Joshua tree.

1927.6. (a) The department shall develop and implement a western Joshua tree conservation plan in collaboration with the commission, governmental agencies, California Native American tribes, and the public. The conservation plan shall incorporate a description of management actions necessary to conserve the western Joshua tree and objective, measurable criteria to assess the effectiveness of such actions. The conservation plan shall also include guidance for the avoidance and minimization of impacts to western Joshua trees and protocols for the successful relocation of western Joshua trees. The department shall present a complete draft conservation plan at a public meeting of the commission, for its review and approval, by December 31, 2024. The commission shall take final action on the conservation plan by June 30, 2025. The department and commission shall, if necessary, periodically update the conservation plan to ensure the conservation of the species.

(b) When developing the conservation plan, the department shall consult with California Native American tribes, include co-management principles in the plan, provide for the relocation of western Joshua trees to tribal lands upon a request from a tribe, and ensure traditional ecological knowledge is incorporated into the plan.

(c) The department, pursuant to Section 1927.5, shall use any fees deposited into the fund for the purpose of addressing threats to the western Joshua tree, including, but not limited to, acquiring, conserving, and managing western Joshua tree

conservation lands. Acceptable expenditures from the fund may include, but are not limited to, land acquisition or conservation easement costs, monitoring costs, restoration costs, transaction costs, costs of endowments for land management or easement stewardship consistent with Chapter 4.6 (commencing with Section 65965) of Division 1 of Title 7 of the Government Code and Part 7 (commencing with Section 18501) of Division 9 of the Probate Code, and other reasonable expenditures to implement the conservation plan. The department shall prioritize actions and acquiring and managing lands that are identified as appropriate for western Joshua tree conservation in any department-approved conservation plan, including, but not limited to, the conservation plan required by subdivision (a), a regional conservation assessment, a regional conservation investment strategy, or a conceptual area protection plan.

(d) (1) The department may retain one or more consultants to assist in locating, acquiring, conserving, and managing conservation lands and completing other mitigation actions to implement subdivision (c).

(2) Chapter 1 (commencing with Section 10100) of Part 2 of Division 2 of the Public Contract Code, Chapter 2 (commencing with Section 10290) of Part 2 of Division 2 of the Public Contract Code, Chapter 10 (commencing with Section 4525) of Division 5 of Title 1 of the Government Code, Part 5.5 (commencing with Section 14600) of Division 3 of Title 2 of the Government Code, and Division 13 (commencing with Section 21000) of the Public Resources Code shall not apply to any action by the department to implement subdivision (c).

1927.7. (a) Beginning in 2025, by January 31 of each calendar year, the department shall submit an annual report to the commission and the Legislature assessing the conservation status of the western Joshua tree, including, but not limited to, by detailing the number of permits issued, the number and size class of western Joshua trees authorized to be taken, the number of western Joshua trees lethally removed, the number and location of western Joshua trees relocated, the number and location of acres of western Joshua tree woodlands developed, the type, scope, and scale of mitigation measures undertaken by permittees, the number and location of acres of western Joshua tree woodlands conserved, the quality of the acres conserved, the amount of fees paid, the amount of all expenditures from the fund, the projects and actions funded by expenditures from the fund, the adequacy of the fees to conserve the western Joshua tree, actions taken pursuant to the conservation plan, and other relevant information. The department's annual report shall summarize the information provided by counties and cities pursuant to

agreements entered into pursuant to subdivision (c) of Section 1927.3 and subdivision (b) of Section 1927.4.

(b) The report to the Legislature pursuant to subdivision (a) shall be submitted in accordance with Section 9795 of the Government Code.

1927.8. (a) Beginning in 2026, and at least every two years thereafter, the commission shall review the status of the western Joshua tree and the effectiveness of the conservation plan in conserving the species at a public meeting to be held prior to August 31. Concurrent with each review conducted pursuant to this section, the department shall make recommendations to the commission, as necessary, for amendments to the conservation plan to ensure the conservation of the western Joshua tree.

(b) The department shall annually adjust the fees provided for in Section 1927.3 pursuant to Section 713. By December 31, 2026, and every three years thereafter, the department shall adopt and subsequently amend regulations pursuant to Section 702 adjusting the fees as necessary to ensure the conservation of the species. The department shall utilize total cost accounting when determining the adequacy of the fees for ensuring conservation of the species, including ensuring sufficient funds for land acquisition or conservation easement costs, monitoring costs, restoration costs, transaction costs, and the amount of endowments for land management or easement stewardship costs consistent with Chapter 4.6 (commencing with Section 65965) of Division 1 of Title 7 of the Government Code and Part 7 (commencing with Section 18501) of Division 9 of the Probate Code.

1927.9. No later than January 1, 2033, the department shall submit to the commission an update to the status review previously submitted pursuant to Section 2074.6 for the western Joshua tree that incorporates any new scientific information relevant to the status of the species and includes an evaluation of the impact of the conservation and management efforts pursuant to this chapter. The commission shall consider the updated status review in making its findings pursuant to subdivision (e) of Section 2075.5.

1927.10. This chapter is not intended to be construed as, or to be, a general project approval. It shall be the responsibility of each project proponent receiving approval from the department under this chapter to obtain all necessary permits and approvals and to comply with all applicable federal, state, and local laws.

1927.11. This chapter does not preclude a county or city from adopting and

enforcing ordinances that require as a condition of approving a project more protective measures designed to conserve the western Joshua tree.

1927.12. The provisions of this chapter are severable. If any provision of this chapter or its application is held invalid, that invalidity shall not affect other provisions or applications that can be given effect without the invalid provision or application.



State of California – Natural Resources Agency

DEPARTMENT OF FISH AND WILDLIFE
3602 Inland Empire Blvd., Suite C-220
Ontario, CA 91764

GAVIN NEWSOM, Governor
CHARLTON H. BONHAM, Director



www.wildlife.ca.gov

Western Joshua Tree Conservation Act Incidental Take Permit Mitigation Fee Invoice Effective January 1, 2025

Invoice Date: 10/27/2025 (Due December 20, 2025*)

Permit Number: 1927-ITP-2025 - 007 -06

Project Name: Landers Sanitary Landfill

Project Type: (e.g., Renewable Energy, Utility, Commercial, Public Works, Transportation,
Multi-Family Residence, Single Family Residence, Accessory Structure, Other)
Public Works

Applicant Name: Darren Meeka

Applicant Phone Number: 909-387-1865

Business Name (if applicable): San Bernardino County Department of Public Wo

Primary County: San Bernardino

Reduced Fee Area Defined: The reduced fees apply to any project in the area bounded by the intersection of Highway 99 and Highway 58, then following east along Highway 58 to the intersection with Interstate 15, then north along Interstate 15 to the intersection of Highway 247, then south along Highway 247 to the intersection of Highway 18, then west along Highway 18 to the intersection of Highway 138, then west and north along Highway 138 to the intersection of Interstate 5, then north along Interstate 5 to the intersection of Highway 99, then north along Highway 99 to Highway 58.

Standard Fee Area Defined: The standard fees apply to any project not in the Reduced Fee Area and those within two miles of Joshua Tree National Park or any unit of the state park system regardless of whether they are in the Reduced Fee Area or the Standard Fee Area.

Fees by Area and Total Fees: Both live and dead Western Joshua Trees must be censused and require mitigation fees.

*Payment must be received at CDFW by December 20th following the Invoice Date or the applicant will be subject to the fee increase effective January 1st and a new invoice will be generated.

1927-ITP-20 25 -007 -06

Project Name: Landers Sanitary Landfill

Invoice Date: 10/27/2025

Page 2 of 3

Fee Area	Size Class (in height)	Fee (per tree)	Number of Trees*	Total Fees
Reduced	5 meters or greater	\$ 1,017.75	0	\$0.00
Reduced	1 meter to less than 5 meters	\$ 203.50	0	\$0.00
Reduced	Less than 1 meter	\$ 152.75	0	\$0.00
Reduced Area Subtotal				\$0.00
Standard	5 meters or greater	\$ 2,544.75	10	\$25,447.50
Standard	1 meter to less than 5 meters	\$ 509.00	175	\$89,075.00
Standard	Less than 1 meter	\$ 346.00	54	\$18,684.00
Standard Area Subtotal				\$133,206.50
Grand Total**				\$133,206.50

**Each western Joshua tree stem or trunk arising from the ground is considered an individual tree requiring mitigation, regardless of its proximity to any other western Joshua tree stem or trunk.

Send total fees to CDFW by check or money order made payable to:
California Department of Fish and Wildlife

Please write the permit number on the check/money order.

Mail check/money order with a copy of this invoice to:

California Department of Fish and Wildlife
Attn: Western Joshua Tree Fund
3602 Inland Empire Blvd., Suite C-220
Ontario, CA 91764

If you have any questions, please contact Steven Recinos
at Steven.Recinos@wildlife.ca.gov or 909-731-5954

1927-ITP-20 25 -007 -06

Project Name: Landers Sanitary Landfill

Invoice Date: 10/27/2025

Page 3 of 3

FOR CDFW ADMIN USE ONLY

Check Number	60485	Check Amount	\$133,206.50
Date Check Received	11/4/2025	Date Receipt Issued	11/20/2025
Comments			
Signature	Alderete, Toni@Wildlife		

Digitally signed by Alderete, Toni@Wildlife
DN: DC=Gov, DC=Ca, DC=Dfg, DC=AD, OU=Dfg Divisions, OU=(6) IDR, OU=Users, CN="Alderete, Toni@Wildlife"
Reason: I am the author of this document
Location:
Date: 2025.11.20 07:27:40-0800
Foxit PDF Editor Version: 13.1.6



Department of Fish and Wildlife

BIOLOGIST RESUME FORM

Date 06.10.2021

SECTION 1. NAME AND CONTACT INFORMATION

Name:		Title:	
Company Name & Address:		Phone:	
		Email:	

SECTION 2. EDUCATION

College/University & Degree Type Related to Natural Resource Science:	
Other Relevant Workshops & Training:	

SECTION 3. ROLE(S) AND PERMIT REQUIREMENTS

Requested Role(s):	
Relevant LSA Agreement Measures or ITP Conditions²:	

SECTION 4. SPECIES AND RESOURCE EXPERIENCE – SUMMARY

LSA Agreement/ITP Special Status Species & Other Sensitive Resources				
<i>This section summarizes experience for species and other resource. Use one line for: 1) each species or other resource where surveys or special protections are required in the LSA Agreement/ITP for which the biologist is requesting approval.³ If more space is needed, add rows to this table. Provide details in Section 5.</i>				
Species or Resource	Number of Field Seasons & Hours, Life Stages Observed <i>Provide project details in Section 5</i>	Life History Knowledge <i>Describe formal workshops & training with dates, or informal training details</i>	CDFW SCP, MOU, & USFWS 10a1a Authorization Number & Authorized Activities <i>This form does not fulfill SCP, MOU, & USFWS 10a1a reporting requirements</i>	
Insert Species or Resource 1	Field seasons: Hours: Life Stages:			Issued to: Expiration: Agency contact:
Insert Species or Resource 2	Field seasons: Hours: Life Stages:			Issued to: Expiration: Agency contact:
Insert Species or Resource 3	Field seasons: Hours: Life Stages:			Issued to: Expiration: Agency contact:
Insert Species or Resource 4	Field seasons: Hours: Life Stages:			Issued to: Expiration: Agency contact:

² List all measures and conditions from the LSA Agreement or ITP requiring biological staff (i.e., Qualified Biologist, Designated Biologist, or Biological Monitor).

³ Often LSA Agreements/ITPs require surveys and other protections for multiple species and other resources. Include only those for which the biologist has experience and is requesting approval.

SECTION 5. SPECIES AND RESOURCE EXPERIENCE – DETAILS

This section provides detailed experience from the three most recent and relevant projects for each species and resource identified in Section 4. If more space is needed, attach additional pages in the same table format (i.e., copy/paste format).

Insert Species or Resource 1			
Project 1 Name & Location:		Project Start & End Dates:	
LSA Agreement, ITP, or Other Agency Permit Number:		Role(s)⁴:	
Survey Type(s)⁵:		Construction Monitoring⁶:	Days: Activities:
Species Life Stages Observed & Handled, Number of Each:	Life Stage: Number Observed: Number Handled: Reported to CNDDDB ⁷ (Y/N):	Company Name, Professional Reference Name, Phone, Email:	
If <u>not</u> reported to CNDDDB, why:			
CDFW and Other Agency Email:			
Project 2 Name & Location:		Project Start & End Dates:	
LSA Agreement, ITP, or Other Agency Permit Number:		Role(s):	
Survey Type(s):		Construction Monitoring:	Days: Activities:
Species Life Stages Observed & Handled, Number of Each:	Life Stage: Number Observed: Number Handled: Reported to CNDDDB (Y/N):	Company Name, Professional Reference Name, Phone, Email:	
If <u>not</u> reported to CNDDDB, why:			
CDFW and Other Agency Email:			
Project 3 Name & Location:		Project Start & End Dates:	
LSA Agreement, ITP, or Other Agency Permit Number:		Role(s):	
Survey Type(s):		Construction Monitoring:	Days: Activities:
Species Life Stages Observed & Handled, Number of Each:	Life Stage: Number Observed: Number Handled: Reported to CNDDDB (Y/N):	Company Name, Professional Reference Name, Phone, Email:	
If <u>not</u> reported to CNDDDB, why:			

⁴ Insert the role as described in the associated LSA Agreement, ITP or other agency permit. If these permits were not issued, describe the role based on the duties, e.g., “lead biologist with handling authorization” or “biological monitor.”

⁵ For example, pre-construction survey or description of the protocol or guideline followed.

⁶ Include the number of days and describe the types of activities monitored (e.g., heavy equipment operation).

⁷ CNDDDB is the abbreviation for California Natural Diversity Database.

**Project Name:
LSA Agreement/ITP Number(s):**

CDFW and Other Agency Email:			
Additional Information:			
Insert Species or Resource 2			
Project 1 Name & Location:		Project Start & End Dates:	
LSA Agreement, ITP, or Other Agency Permit Number:		Role(s):	
Survey Type(s):		Construction Monitoring:	Days: Activities:
Species Life Stages Observed & Handled, Number of Each:	Life Stage: Number Observed: Number Handled: Reported to CNDDDB (Y/N):	Company Name, Professional Reference Name, Phone, Email:	
If <u>not</u> reported to CNDDDB, why:			
CDFW and Other Agency Email:			
Project 2 Name & Location:		Project Start & End Dates:	
LSA Agreement, ITP, or Other Agency Permit Number:		Role(s):	
Survey Type(s):		Construction Monitoring:	Days: Activities:
Species Life Stages Observed & Handled, Number of Each:	Life Stage: Number Observed: Number Handled: Reported to CNDDDB (Y/N):	Company Name, Professional Reference Name, Phone, Email:	
If <u>not</u> reported to CNDDDB, why:			
CDFW and Other Agency Email:			
Project 3 Name & Location:		Project Start & End Dates:	
LSA Agreement, ITP, or Other Agency Permit Number:		Role(s):	
Survey Type(s):		Construction Monitoring:	Days: Activities:
Species Life Stages Observed & Handled, Number of Each:	Life Stage: Number Observed: Number Handled: Reported to CNDDDB (Y/N):	Company Name, Professional Reference Name, Phone, Email:	
If <u>not</u> reported to CNDDDB, why:			
CDFW and Other Agency Email:			
Additional Information:			
Insert Species or Resource 3			
Project 1 Name & Location:		Project Start & End Dates:	

Project Name:
LSA Agreement/ITP Number(s):

LSA Agreement, ITP, or Other Agency Permit Number:		Role(s):	
Survey Type(s):		Construction Monitoring:	Days: Activities:
Species Life Stages Observed & Handled, Number of Each:	Life Stage: Number Observed: Number Handled: Reported to CNDDDB (Y/N):	Company Name, Professional Reference Name, Phone, Email:	
If <u>not</u> reported to CNDDDB, why:			
CDFW and Other Agency Email:			
Project 2 Name & Location:		Project Start & End Dates:	
LSA Agreement, ITP, or Other Agency Permit Number:		Role(s):	
Survey Type(s):		Construction Monitoring:	Days: Activities:
Species Life Stages Observed & Handled, Number of Each:	Life Stage: Number Observed: Number Handled: Reported to CNDDDB (Y/N):	Company Name, Professional Reference Name, Phone, Email:	
If <u>not</u> reported to CNDDDB, why:			
CDFW and Other Agency Email:			
Project 3 Name & Location:		Project Start & End Dates:	
LSA Agreement, ITP, or Other Agency Permit Number:		Role(s):	
Survey Type(s):		Construction Monitoring:	Days: Activities:
Species Life Stages Observed & Handled, Number of Each:	Life Stage: Number Observed: Number Handled: Reported to CNDDDB (Y/N):	Company Name, Professional Reference Name, Phone, Email:	
If <u>not</u> reported to CNDDDB, why:			
CDFW and Other Agency Email:			
Additional Information:			
Insert Species or Resource 4			
Project 1 Name & Location:		Project Start & End Dates:	
LSA Agreement, ITP, or Other Agency Permit Number:		Role(s):	
Survey Type(s):		Construction Monitoring:	Days: Activities:

Project Name:
LSA Agreement/ITP Number(s):

Species Life Stages Observed & Handled, Number of Each:	Life Stage: Number Observed: Number Handled: Reported to CNDDDB (Y/N):	Company Name, Professional Reference Name, Phone, Email:	
If <u>not</u> reported to CNDDDB, why:			
CDFW and Other Agency Email:			
Project 2 Name & Location:		Project Start & End Dates:	
LSA Agreement, ITP, or Other Agency Permit Number:		Role(s):	
Survey Type(s):		Construction Monitoring:	Days: Activities:
Species Life Stages Observed & Handled, Number of Each:	Life Stage: Number Observed: Number Handled: Reported to CNDDDB (Y/N):	Company Name, Professional Reference Name, Phone, Email:	
If <u>not</u> reported to CNDDDB, why:			
CDFW and Other Agency Email:			
Project 3 Name & Location:		Project Start & End Dates:	
LSA Agreement, ITP, or Other Agency Permit Number::		Role(s):	
Survey Type(s):		Construction Monitoring:	Days: Activities:
Species Life Stages Observed & Handled, Number of Each:	Life Stage: Number Observed: Number Handled: Reported to CNDDDB (Y/N):	Company Name, Professional Reference Name, Phone, Email:	
If <u>not</u> reported to CNDDDB, why:			
CDFW and Other Agency Email:			
Additional Information:			



Legend

- Relocation Point
- JT

FIGURE 2

	#2023-48 JT Landers Landfill (Impact Area)	Date 10/1/2025 PROPOSED RELOCATION AREA
--	--	--



Department of Fish and Wildlife

Western Joshua Tree Relocation Plan

Completion and submission of this form is voluntary. This form requests information about the qualifications of the desert native specialist and the Western Joshua tree relocation plan specified in the Western Joshua Tree Conservation Act permit issued by California Department of Fish and Wildlife (CDFW).

SECTION I. NAME OF APPLICANT AND CONTACT INFORMATION

Name:	Marc Rodabaugh, San Bernardino County Department of Public Works Solid Waste Management Division	Phone:	(909) 386-8775. Marc Rodabaugh
Project Name:	Landers Sanitary Landfill	Email:	Marc.rodabaugh@dpw.sbcounty.gov
Project Address:	59200 Winters Rd, Landers, CA 92285	APN(s):	0631-071-38 & 0631-091-77

SECTION II. NAME OF DESERT NATIVE PLANT SPECIALIST OVERSEEING RELOCATION

Name(s):	Dillon Reynolds	Title(s):	ISA Certified Arborist #WE9690A Since 2012
Company Name(s):	The Landscape Center	Phone(s):	(909) 208-7212
Company Address(es):	PO Box 7308 Riverside, CA 92513	Email(s):	dillon@tlcnurseries.com

SECTION III. QUALIFICATIONS OF DESERT NATIVE PLANT SPECIALIST

Certification by the International Society of Arboriculture (ISA):	Dillon Reynolds The Landscape Center (WE-9690 A) with the Society of Arboriculture (ISA)
Number of Years Experience with Relocation or Restoration of Native California Desert Vegetation:	Desert Native Plant Specialist Overseeing Relocation: Dillon Reynolds The Landscape Center PO Box 7308 Riverside, CA 92513 909-208-7212

Project Name: Landers Sanitary Landfill
WJTCA ITP permit number: 1927-ITP-2025-007-06

dillon@tlcnurseries.com

- Project Manager
- ISA Certified Arborist #WE9690A since 2012 QAL 127580
- 19 years of experience in the relocation of Western Joshua trees
- Project sizes ranging from 1 WJT to over 1000+ WJT
- Project locations throughout the WJT range
- Providing the relocation and aftercare of WJT
- Main method of relocation is Tree Spade.
- When site conditions are not conducive to Tree Spade then bare root method is used.

Biologists:

The following biologists, who conducted the WJTCA census survey on the project site will provide assistance to Mr. Reynolds on an as needed basis and during the monitoring of the relocation activities.

Ryan D. Hunter (Desert Native Plant Specialist): BA in Environmental Studies, Cal State University of San Bernardino. MPS in Wildlife Conservation & Management (focus in wildlife biology), Unity Environmental University. Over 6-years' experience conducting biological surveys in the Mojave Desert, including Western Joshua tree surveys, baseline biological surveys and protocol surveys for desert tortoise and many other species of concern. Have conducted over 250 surveys for Western Joshua trees on projects ranging from a few acres up to 1500-acres and number of trees ranging from a few trees to over 5000 trees. Has over 6 years of experience overseeing the relocation and restoration of native California desert vegetation. Some key jobs included removal, relocation, salvaging, and transplanting Western Joshua trees. Certification: Desert tortoise surveying, handling and monitoring.

Brian S. Bunyi (Desert Native Plant Specialist): BA in Biology, Cal State University of San Bernardino. 5 years of experience conducting baseline biological surveys, Western Joshua tree surveys and protocol surveys for the desert tortoise. Has conducted over 150 surveys for Western Joshua

	trees in the Mojave Desert ranging from projects less than an acre for residential developments to over 300-acres for commercial buildout. Has 5 years of experience overseeing the relocation and restoration of native California desert vegetation. Some key jobs included removal, relocation, salvaging, and transplanting Western Joshua trees. Certification: Desert tortoise surveying, handling and monitoring.
Other Relevant Qualifications, Workshops, & Training:	Numerous years conducting biological surveys in the desert regions of the southwest. In addition, participated in seminars in desert tortoise survey methodology and wetland delineation methodology.

SECTION IV. RELOCATION AREA DETAILS

This section details the location information where relocations of western Joshua trees will be transplanted, and unique identifiers for each tree.

The 12 Western Joshua trees to be relocated as part of the mitigation for the project will be transplanted onsite in an area that will not be developed. Figure 1 Proposed Relocation Areas (See attached exhibits.) show the proposed permanent locations of the Western Joshua trees. The proposed relocation area is in an area where no grading or soil compaction is proposed. Data on each tree is provided in the Section VII Spreadsheet. **NOTE: The site is semi flat with small rolling hills. The elevation of the parcel is 3,323 feet (1,013 m) according to Google Earth. Therefore, all the Western Joshua trees that will be relocated will be placed at a permanent location very similar to their original elevation.**

The following provides details on the proposed relocation.

Pre-Relocation Tasks

1. The Western Joshua trees to be relocated will be marked on the northside of the tree with water-based paint once CDFW has approved the Relocation Plan and the specific trees that have been selected for relocation.
2. Removal and relocation will occur after a 7-day notification to CDFW is approved and a start date is given. Relocation will occur during the months of November & December of 2025 where trees will be placed in their permanent locations. To ensure minimization of stress to the trees and other species, a biologist will be present to monitor during removal activities.
3. Preparation of the chosen trees and receptor sites will be prepped and pre watered 24-48 hours prior to relocation commencing.

4. A tree spade will be utilized for removal of all Western Joshua trees. The method of relocation for tree spade will adhere to the protocols contained in the Western Joshua Tree Relocation Guidelines and Protocols (CDFW, June 2025).

Relocation Tasks

5. A berm will be prepared around each Western Joshua tree and receptor sites. Both receptor sites and chosen trees will be pre-watered 24-48 hours prior to removal. The berm will be slightly wider than the tree spade width which will be used for removal.
6. Once trees have been relocated, they will be marked with a tag on the south side of the tree expressing the tree's number and date of relocation. Photographs of all trees in their new locations will be taken for use in the post relocation report.
7. A report will be submitted to CDFW no later than 30 days after the Western Joshua trees have been removed from the ground and planted in their permanent transplant location or storage crates if needed and kept on site as required by the protocol and guidelines.
8. To prevent the spread of any invasive species, the spade will be cleaned and sanitized with a 10 percent bleach solution prior to arrival on the site.
9. A tree spade will be utilized for the removal of all the Western Joshua trees. The desert native plant specialist & Biologist will evaluate each Western Joshua tree to be removed by spade to determine if it is suitable. If it is not suitable due to unforeseen issues, another Western Joshua tree may be chosen in better health and similar stature from the contingency list provided in section VIII. All four class A trees have class B tree contingency trees due to there not being enough standalone class A trees suitable for relocation. The methods of relocation using a tree spade will adhere to the protocols contained in the Western Joshua Tree Relocation Guideline and Protocols (CDFW, June 2025). As noted in Section III, Mr. Dillon Reynolds will be responsible for all relocation activities and post relocation tasks.
10. Once the trees have been removed, they will be placed in the ground in the permanent transplant area in November-December of 2025. The trees will be placed in the areas depicted on the attached Exhibit (Transplant Area marked in blue.). A tag with the date of removal from the ground will be loosely fixed to the trunk.

- 11. The proposed permanent locations for each Western Joshua tree will be staked and will have a number that matches the tag number on each tree. The spacing between the Western Joshua trees will be a minimum of 15 feet.**
- 12. Stabilization material will be installed for trees that may need it post relocation due to canopy being less than 3 meters and having a 2:1 Canopy to height ratio, or anything over 3 meters.**
- 13. A berm at least 4 inches in height will be created around each of the relocated trees and the trees will be watered during each site visit as needed and based on local rainfall events.**

Monitoring Tasks

- 14. Site visits will be conducted as follows: Year 1 - Every two weeks for months 0 to 3 and one visit per month during months 4 – 12. Year 2 – Every other month for months 13 – 24. Year 3 – Every other month during months 25 – 36 for any trees that are showing signs of declining health. At the end of Year 3 all trees will receive a final assessment.**
- 15. Invasive plants will be removed from around the Western Joshua trees as needed during each site visit.**
- 16. A post-relocation report will be submitted to CDFW no later than 30 days after the Western Joshua trees have been removed from the ground and placed in permanent locations or in temporary planter boxes. Annual reports will also be submitted detailing the 1-year, 2-year and 3-year maintenance periods.**
- 17. A completion report will be submitted to CDFW no later than 30 days after the end of the 3-year maintenance period.**

Relocation Area Landowner Name:	San Bernardino County Department of Public Works Solid Waste Management Division	Relocation Area Address(es):	N/A
Relocation Area Name:	Project site at Landers Sanitary Landfill, Landers, CA	Relocation Area APN(s):	0631-071-38 & 0631-091-77

Distance from Original Tree Location (approximate):	N/A	Elevational Difference from Original Tree Location:	± 25 Feet
---	-----	---	-----------

Describe Previous Impacts to Relocation Area (e.g., wildfire, human activity)

The site does not have any signs of past wildfires; however, the site has been impacted due to human activities such as foot traffic and vehicle traffic. There are several dirt roads that have been frequently used by local workers of the landfill.

SECTION V. SALVAGE TREE INFORMATION

*This section details the number of trees expected to be lethally taken, the planned number of bare root relocations, and the planned number of tree spade relocations. Please use **SECTION VII. TREE RELOCATION SPREADSHEET** or the [WJT Relocation Spreadsheet.xlsx](#) to include the details of each specific tree planned to be relocated.*

	Trees Lethally Taken	Bare Root Relocation	Tree Spade Relocation
Size Class A	49 (Live Western Joshua trees)	0	4
Size Class B	123 (Live Western Joshua trees)	0	7
Size Class C	10 (Live Western Joshua tree)	0	1

SECTION VI. LANDOWNER STATEMENT AND SIGNATURE

If salvage trees will be relocated outside of the project area, provide a signed statement from the landowner for each relocation area granting the applicant permission to relocate salvage trees to their land, provide access to implement the maintenance and monitoring measures required under your WTJCA incidental take permit, and allow CDFW staff to access the property to conduct compliance inspections.

Project Name: Landers Sanitary Landfill
WJTCA ITP permit number: 1927-ITP-2025-007-06

Landowner Statement:	Not applicable All Western Joshua trees will be relocated on the project site. No off-site relocation will occur.
----------------------	--

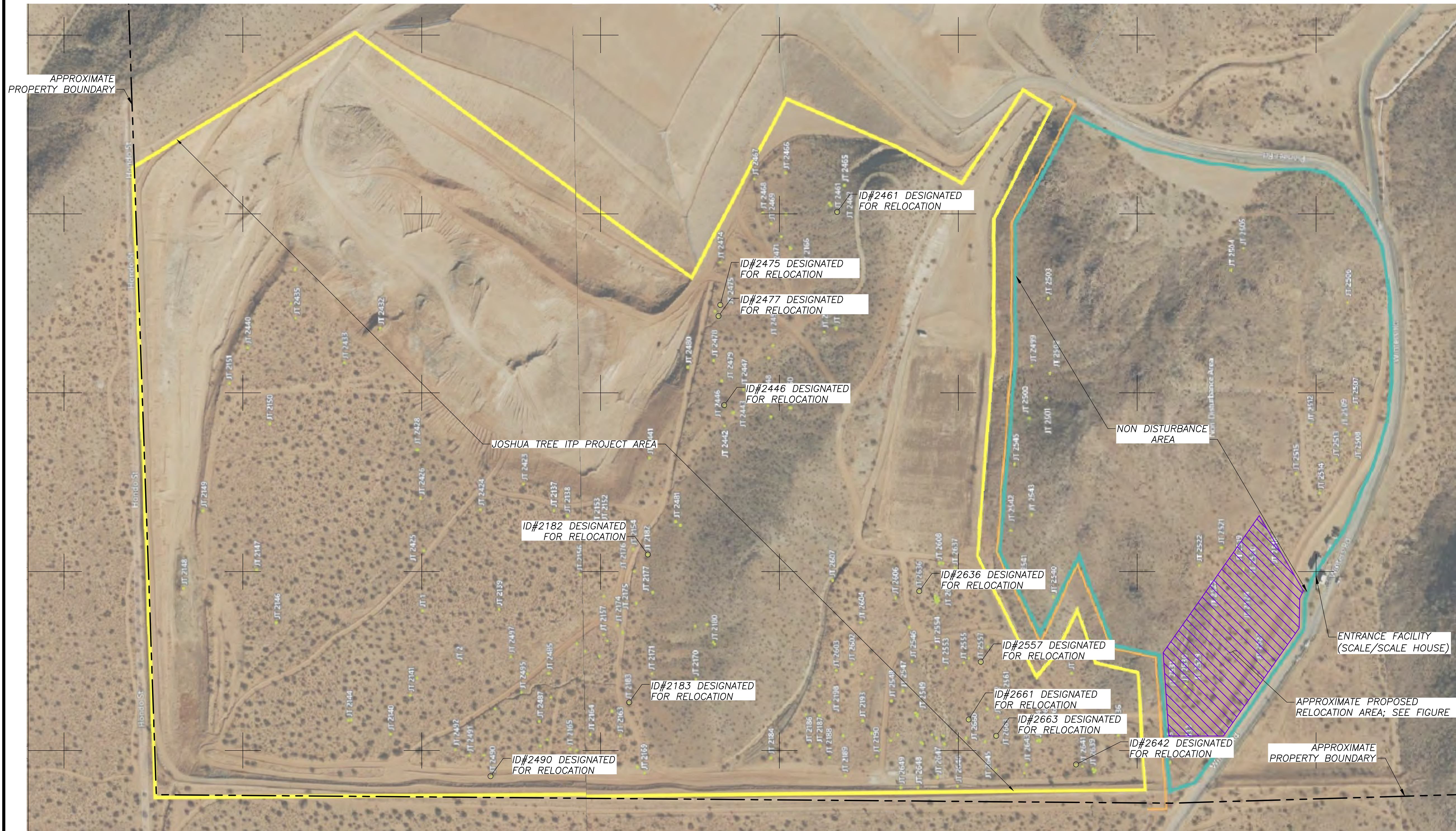
Landowner Signature:	N/A	Date:	N/A
Applicant Signature:		Date:	

SECTION VII. TREE RELOCATION SPREADSHEET

WJT Unique Identifier (Tree ID)	Size Class (A,B,C)	Current tree coordinates (Lat/Long)	Recipient Site GPS Coordinates (Lat/Long)	Relocation Area Name	Anticipated removal date	Anticipated Replanting Date (if stored)	Relocation Method (Bare root/Tree spade)	Will WJT be temporarily stored? (Y, in ground/Yes, in container/No)	Overall Tree Health (signs of pest/human damage/etc.)	Any other Pertinent Information
2183	A	34.24068580° -116.37714880°	34.23641077° -116.37725633°	On-site	Nov-Dec 2025	N/A	Spade	No	Healthy	N/A
2446	A	34.23993200° -116.37448983°	34.23636229° -116.37712439°	On-site	Nov-Dec 2025	N/A	Space	No	Healthy	N/A
2182	A	34.24052640° -116.37581790°	34.23636042° -116.37696763°	On-site	Nov-Dec 2025	N/A	Spade	No	Healthy	N/A
2461	A	34.23907367° -116.37276700°	34.23624761° -116.37692704°	On-site	Nov-Dec 2025	N/A	Spade	No	Healthy	N/A
2636	B	34.51893327 -117.32852577	34.23631847° -116.37676690°	On-site	Nov-Dec 2025	N/A	Spade	No	Healthy	N/A
2557	B	34.23806233° -116.37684117°	34.23618981° -116.37674547°	On-site	Nov-Dec 2025	N/A	Spade	No	Healthy	N/A
2663	B	34.23795717° -116.37750533°	34.23624108° -116.37662480°	On-site	Nov-Dec 2025	N/A	Spade	No	Healthy	N/A
2661	B	34.23816150° -116.37735800°	34.23613107° -116.37664172°	On-site	Nov-Dec 2025	N/A	Spade	No	Healthy	N/A
2642	B	34.23736617° -116.37778117°	34.23618048° -116.37651316°	On-site	Nov-Dec 2025	N/A	Spade	No	Healthy	N/A
2475	B	34.23995283° -116.37358300°	34.23617582° -116.37638347°	On-site	Nov-Dec 2025	N/A	Spade	No	Healthy	N/A
2477	B	34.23996883° -116.37368550°	34.23606394° -116.37628761°	On-site	Nov-Dec 2025	N/A	Spade	No	Healthy	N/A
2490	C	34.24172140° -116.37780800°	34.23599682° -116.37641392°	On-site	Nov-Dec 2025	N/A	Spade	No	Healthy	N/A

SECTION VIII. CONTINGENCY TREE SPREADSHEET

WJT Unique Identifier (Tree ID)	Size Class (A,B,C)	Current tree coordinates (Lat/Long)	Recipient Site GPS Coordinates (Lat/Long)	Relocation Area Name	Anticipated removal date	Anticipated Replanting Date (if stored)	Relocation Method (Bare root/Tree spade)	Will WJT be temporarily stored? (Y, in ground/Yes, in container/No)	Overall Tree Health (signs of pest/human damage/etc.)	Any other Pertinent Information
2145	A to B	34.24278617° -116.37710517°	34.23641077° -116.37725633°	On-site	Nov-Dec 2025	N/A	Spade	No	Healthy	N/A
2167	A to B	34.24108467° -116.37769300°	34.23636229° -116.37712439°	On-site	Nov-Dec 2025	N/A	Space	No	Healthy	N/A
2641	A to B	34.23731900° -116.37779150°	34.23636042° -116.37696763°	On-site	Nov-Dec 2025	N/A	Spade	No	Healthy	N/A
2656	A to B	34.23834733° -116.37749450°	34.23624761° -116.37692704°	On-site	Nov-Dec 2025	N/A	Spade	No	Healthy	N/A
2537	B	34.23721817° -116.37719383°	34.23631847° -116.37676690°	On-site	Nov-Dec 2025	N/A	Spade	No	Healthy	N/A
2562	B	34.23794150° -116.37733400°	34.23618981° -116.37674547°	On-site	Nov-Dec 2025	N/A	Spade	No	Healthy	N/A
2662	B	34.23803650° -116.37755267°	34.23624108° -116.37662480°	On-site	Nov-Dec 2025	N/A	Spade	No	Healthy	N/A
2558	B	34.23807933° -116.37665267°	34.23613107° -116.37664172°	On-site	Nov-Dec 2025	N/A	Spade	No	Healthy	N/A
2553	B	34.23831983° -116.37688483°	34.23618048° -116.37651316°	On-site	Nov-Dec 2025	N/A	Spade	No	Healthy	N/A
2547	B	34.23864600° -116.37708517°	34.23617582° -116.37638347°	On-site	Nov-Dec 2025	N/A	Spade	No	Healthy	N/A
2650	B	34.23873767° -116.37752783°	34.23606394° -116.37628761°	On-site	Nov-Dec 2025	N/A	Spade	No	Healthy	N/A
2644	C	34.23775267° -116.37784200°	34.23599682° -116.37641392°	On-site	Nov-Dec 2025	N/A	Spade	No	Healthy	N/A



LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- DISTURBANCE AREA
- NONDISTURBANCE AREA
- JT 2423 JOSHUA TREE ID#
- RELOCATION AREA

NOTES:

1. JOSHUA TREES DESIGNATED FOR RELOCATION ARE PER LANDERS SANITARY LANDFILL WESTERN JOSHUA TREE RELOCATION PLAN (2025); REFER TO SECTION VII OF THE PLAN FOR COORDINATE LOCATIONS.

PREPARED BY:



800-C ROCHESTER AVE.
ONTARIO, CALIFORNIA. 91761

IMAGE SOURCE: WESTERN JOSHUA TREE CENSUS: LANDERS, CALIFORNIA BY RCA ASSOCIATES INC. (2024, APRIL 26).

FIGURE 1

SAN BERNARDINO COUNTY SWMD
LANDERS SANITARY LANDFILL
JOSHUA TREE LOCATION MAP

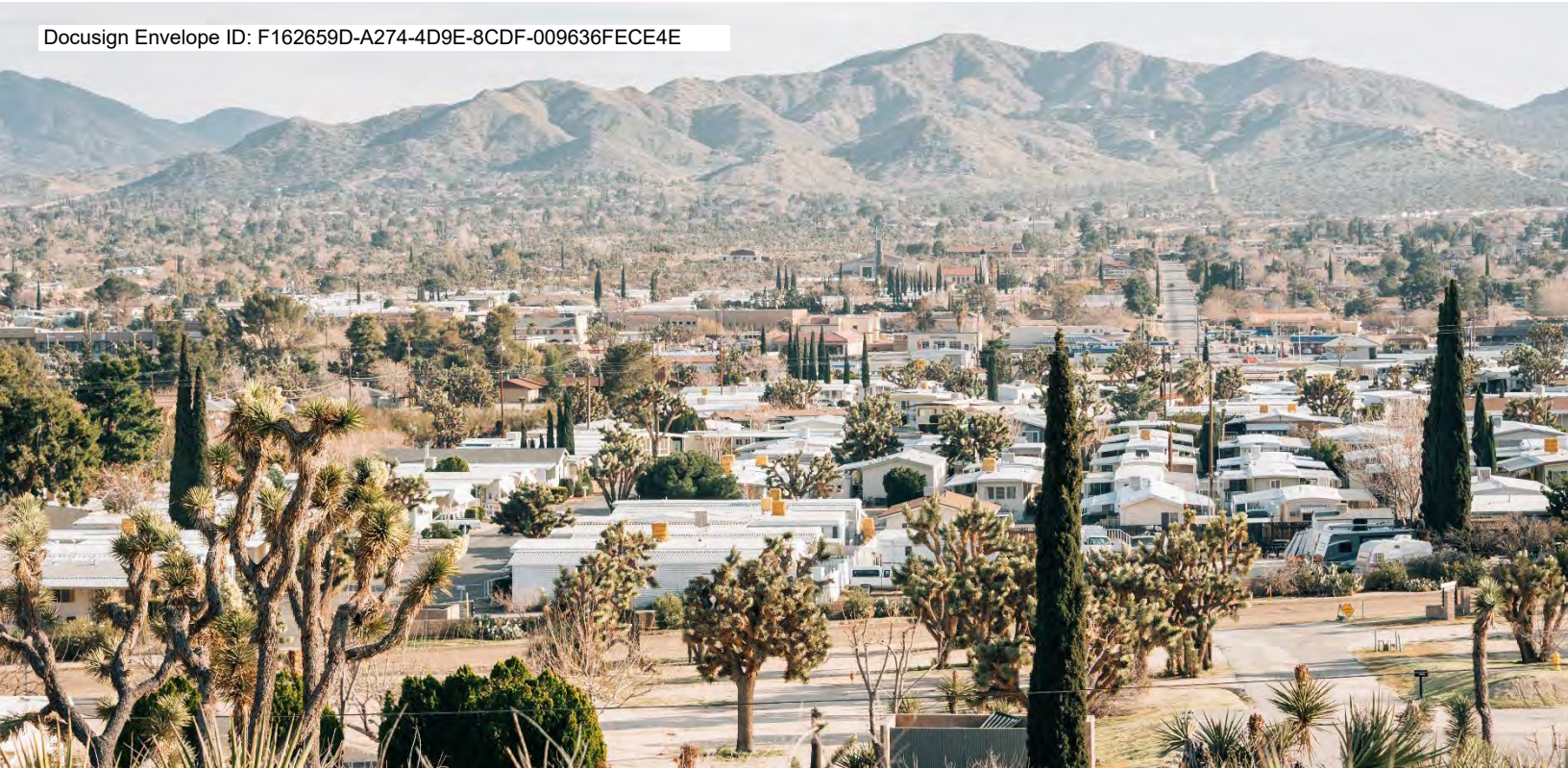


Legend

- Relocation Point
- JT

FIGURE 2

	#2023-48 JT Landers Landfill (Impact Area)	Date 10/1/2025 PROPOSED RELOCATION AREA
--	--	---



Western Joshua Tree Relocation Guidelines and Protocols

August 2025



State of California
Natural Resources Agency
Department of Fish and Wildlife

Western Joshua Tree Relocation Guidelines and Protocols
California Department of Fish and Wildlife
August 2025

Contents

Introduction	4
Western Joshua Tree Conservation Act Relocation Provisions	5
Definitions.....	7
Best Available Science on Relocation	8
Guidelines	9
When Will a Project Need to Relocate Western Joshua Trees?	10
How Many Western Joshua Trees Will a Project Have to Relocate?	11
Relocation Sites.....	14
Relocation Plan.....	15
Protocols.....	16
Pre-Relocation	16
Selecting Trees for Relocation	16
Siting.....	16
Timing.....	16
Pre-Relocation Watering	17
Orientation	17
Other Pre-Relocation Precautions	18
Relocation	18
Digging/Tree Removal.....	18
Transporting Trees.....	21
Planting Methods	21
Storage	22
Post-Relocation.....	23
Water Basins.....	23
Stabilization	23
Identification.....	23
Recordation.....	24
Maintenance and Monitoring.....	24

Western Joshua Tree Relocation Guidelines and Protocols
California Department of Fish and Wildlife
August 2025

Site Visits 24
Watering 25
Tree Health 25
Invasive Plant Removal 25
Maintenance of Berms, Stabilization Supports, and Identification Markers..... 26
Completion Activities 26
Reporting..... 26
 Post-Relocation Reporting..... 26
 Maintenance Reports 27
 Completion Report..... 28
Literature 28
Personal Communications..... 29

Western Joshua Tree Relocation Guidelines and Protocols
California Department of Fish and Wildlife
August 2025

Introduction

Salvage and relocation of western Joshua trees can be an important part of saving the species from the threat of extinction. The Western Joshua Tree Conservation Act (WJTCA) requires permittees to minimize (and avoid) impacts to the maximum extent practicable and specifically calls out relocation as a minimization action. Relocation is deemed a method to minimize impacts to the western Joshua tree populations, rather than a substitution for mitigation through payment of fees. The WJTCA also states that the California Department of Fish and Wildlife (CDFW) may require relocation.

The operative word under the WJTCA is “may.” CDFW will determine, on a case-by-case basis, whether relocation will be required under a WJTCA incidental take permit (ITP) during the permit application review process. If relocation is required, CDFW will also determine how many western Joshua trees will need to be relocated. If the permittee believes relocation of WJT is wholly impracticable or that the number of trees to be relocated is impracticable, the permittee should discuss their limitations with CDFW staff to find alternative solutions.

CDFW acknowledges there are both costs and practical difficulties associated with relocation. The most significant obstacle to relocation can be the availability of sites to receive the relocated western Joshua trees. To avoid having relocation become a de facto mitigation measure, rather than a minimization measure as contemplated by the WJTCA, CDFW will not require relocation if it would necessitate the permittee acquiring land for that purpose. The availability of relocation sites is anticipated to increase over time, as CDFW works with federal, state, and local agencies, as well as its partners in the non-profit community, regulated community and the public, and as conservation land for western Joshua tree is acquired or restored through expenditures from the Western Joshua Tree Conservation Fund. As the availability of relocation sites increases, the instances in which relocation will be required may increase. Until such time, these Guidelines will take an incremental approach to relocation with the hope of increasing relocation over time to better facilitate conservation of the species.

The Guidelines section of this document discusses the circumstances in which CDFW may include permit conditions requiring relocation of one or more western Joshua trees as a minimization measure and how permittees may engage with that process.

Western Joshua Tree Relocation Guidelines and Protocols
California Department of Fish and Wildlife
August 2025

The Protocol section of this document provides a summary of best practices for relocating western Joshua trees and increasing the survival rate of relocated (salvage) western Joshua trees. Information on post-relocation maintenance, monitoring, and reporting is also provided.

This document is a “living” document and will be updated as needed based on the best scientific information available and lessons learned from implementation.

Western Joshua Tree Conservation Act Relocation Provisions

Section 1927.3, subdivision (a) of the California Fish and Game Code gives CDFW authority to issue ITPs pursuant to the WJTCA so long as certain conditions are satisfied. Among other conditions, Section 1927.3, subdivision (a)(2) requires that a permittee “avoids and minimizes impacts to, and the taking of, the western Joshua tree to the maximum extent practicable.” Section 1927.3, subdivision (a)(2) expressly authorizes CDFW to include minimization measures in a WJTCA ITP, which may include the requirement to relocate one or more western Joshua trees. Importantly, this subdivision and Section 1927.3, subdivision (a)(4)(A), provide CDFW the discretion to require relocation as a minimization measure. The WJTCA does not mandate relocation as a condition in all WJTCA ITPs.

Pursuant to Section 1927.3, subdivision (a)(4)(A), where relocation is required as a minimization measure, permittees must implement reasonable measures required by CDFW to facilitate the successful relocation and survival of salvage trees. According to the WJTCA, the relocation measures shall include but are not limited to the following conditions:

1. Salvage trees are placed in locations and with proper orientation to improve their chances of survival.
2. Salvage trees are relocated at a time that maximizes their chances of survival, when feasible.
3. A desert native plant specialist be onsite to oversee relocation.

In addition, section 1927.3, subdivision (a)(4)(B) states that CDFW may limit relocation requirements to certain size classes of trees.

Pursuant to Section 1927.3, subdivision (g)(1), the permittee shall bear responsibility for implementing measures to assist the survival of western Joshua trees relocated pursuant to a WJTCA ITP condition. Thus, the text of the WJTCA

Western Joshua Tree Relocation Guidelines and Protocols
California Department of Fish and Wildlife
August 2025

itself imposes the obligation for a permittee to be legally and financially responsible for implementing relocation conditions as well as any other minimization measures required in a WJTCA ITP. The permittee may, however, contract with the landowner of the relocation site(s) to conduct the post-relocation maintenance and monitoring activities required under its WJTCA ITP, when available as an option.

Subdivision (g)(2) of that section further states, “[u]nless specifically required by written agreement, a landowner that agrees in writing to allow western Joshua trees to be relocated onto land it owns shall not be liable for the continued survival of the western Joshua trees, shall not be required to manage or maintain the translocated western Joshua trees, and shall not be required to change existing land use practices, provided that the land use practices do not result in the taking, possession, sale, or further translocation of the western Joshua trees.” While landowners accepting salvage trees are not responsible for maintaining the trees or otherwise ensuring the trees’ continued survival, it is important to note that salvage trees receive the full protection afforded to all western Joshua trees pursuant to the WJTCA and CESA and that import, export, take, possession, purchase, and sale of salvage trees or any part or product thereof, is prohibited, except as authorized pursuant to the WJTCA or CESA.

The WJTCA requires CDFW, by December 31, 2024, to prepare a Western Joshua Tree Conservation Plan for review and approval by the Fish and Game Commission that incorporates, among other provisions, protocols for the successful relocation of western Joshua trees. The “Protocol” section of this document must be included as an appendix to the Conservation Plan. To create greater transparency, and to increase information and planning certainty for project proponents, CDFW has elected to also include the “Guidelines” section of this document as an appendix to the Conservation Plan. As such, these guidelines and protocols will be incorporated by reference into the Western Joshua Tree Conservation Plan, even though the Conservation Plan itself is not a regulatory document and does not govern permit conditions to require relocation.

Western Joshua Tree Relocation Guidelines and Protocols
California Department of Fish and Wildlife
August 2025

Definitions

The following definitions are used in this document:

Bare root relocation – method for relocating a living western Joshua tree by excavating around the root ball of the tree to dislodge the tree from the ground. Any relocation method other than tree spade relocation (defined below) is considered bare root relocation for the purposes of this document.

Containerize – to place a salvage tree into a container, such as a plastic pot or tree box, for temporary storage.

Project site – the area(s) where project activities are expected to occur (e.g., access, staging, construction, etc.)

Recipient site – a salvage tree’s (defined below) final planting location.

Relocation – the removal of a living western Joshua tree from the ground and transplantation back into the ground at another location (referred to as a recipient site).

Relocation site – an area with one or several recipient sites.

Retained tree – a living western Joshua tree that is located within the project site that is being or has been avoided or, minimally impacted by the project and will not be relocated.

Root ball – a mass of soil that contains concentrated roots growing from the base of the stem of a western Joshua tree.

Salvage tree – a living western Joshua tree that is being, or has been, relocated. Each western Joshua tree stem or trunk arising from the ground shall be considered an individual tree, regardless of its proximity to any other western Joshua tree stem or trunk.

Size Class A – a western Joshua tree that is less than one meter in height.

Size Class B – a western Joshua tree that is one meter or greater, but less than five meters in height.

Size Class C – a western Joshua tree that is five meters or greater in height.

Tree spade – a specialized piece of heavy equipment that consists of hydraulically controlled spade blades that can encapsulate the root ball of a salvage tree, as well as adjacent soil.

Western Joshua Tree Relocation Guidelines and Protocols
California Department of Fish and Wildlife
August 2025

Tree spade relocation – method for relocating a living western Joshua tree by using a tree spade to dig, transport, and replant a western Joshua tree and its root ball.

Best Available Science on Relocation

There are many accounts of successful western Joshua tree relocation (i.e., stable or increasing signs of tree health without any supplemental care after a period of maintenance), but little scientific research has been done to compare the relative success rates for different relocation techniques. Rather, most relocation efforts that monitor salvage western Joshua tree survivorship evaluate only one method of relocation (i.e., using hand tools for small trees and/or excavators or tree spade for large trees) (Wagner 2018, Balogh 2019, City of Palmdale 2024). The best available scientific information on how to achieve success when relocating western Joshua trees therefore comes from the experience of experts working in the field of restoration and Joshua tree relocation. In Bainbridge (2007), the author offers advice on relocating Joshua trees and other salvaged succulents, such as cacti and shrubs, based on their expertise and knowledge. The National Park Service (NPS) (Goodwin 2024) and a tree transplanting expert (Reynolds 2024) also provided CDFW with information relevant to the development of this document.

In addition, CDFW reviewed the results of known relocation projects. Bainbridge (2007) states that “Joshua trees often transplant well but require intensive aftercare and irrigation[.]” Bainbridge suggests that relocation is best done with machinery, but hand tools can also be used. Front loaders, excavators, and hydraulic tree spades are useful. Tree spades work best in silty or sandy soils but using them is difficult in rocky soils. Salvaged trees can be placed in containers or immediately replanted but should be protected as much as possible from drying winds, heat, and sun. Bainbridge (2007) also mentions that yucca, such as western Joshua trees, seem to survive better if replanted in the same orientation they grew. Overall, Bainbridge (2007) shows the survival rates for salvage trees can be improved if the relocation work is timed carefully, the trees are handled gently, and there is good aftercare and irrigation in a holding facility or at the recipient site. Goodwin (2024) and Reynolds (2024) suggest that minimizing disturbance to the root ball and adequate care after trees have been relocated are the most important factors for successful relocation. Tree spade relocation of western Joshua tree minimizes impacts to roots and can have a success rate of greater than 90% with sufficient aftercare (City of Palmdale 2024,

Western Joshua Tree Relocation Guidelines and Protocols
California Department of Fish and Wildlife
August 2025

(Goodwin 2024, Reynolds 2024). Bare root relocation of western Joshua tree causes more damage to roots and is reported to have a success rate of approximately 50-90% even with sufficient aftercare, based on preliminary findings of a monitoring period of 1-3 years (Goodwin 2024, Reynolds 2024). Beyond the initial 3-year monitoring period, however, success rates can decline (Graver 2024). This document describes additional methods that can be used to aid long-term survival and improve chances of reproduction events. However, there is no foolproof method that guarantees relocation success, and some mortality is always expected to result. Therefore, relocation is considered a method to minimize impacts to western Joshua tree populations, rather than a substitution for mitigation through the payment of fees.

The size and growth pattern of a western Joshua tree may also present additional challenges. Small trees, especially those salvaged through the bare root method, experience higher rates of mortality even with sufficient aftercare (Goodwin 2024). And, though it may be possible to relocate western Joshua trees over 7 meters in height, tree spades may be unable to sufficiently encapsulate the root ball for trees of this size (Reynolds 2024). These trees may also be difficult to stabilize to withstand high wind speeds after being relocated. Dense, clonal reproduction can also affect relocation success. Separating smaller trees from larger, parent trees that are connected through rhizomes below ground can result in higher mortality rates for those smaller trees (Goodwin 2024, Graver 2024).

Guidelines

The WJTCA requires that a permittee “avoids and minimizes impacts to, and the taking of, the western Joshua tree to the maximum extent practicable.” As such, CDFW may require relocation of one or more western Joshua trees as a WJTCA ITP minimization measure. CDFW will determine whether relocation will be required under an WJTCA ITP during the permit application review process, including evaluation of the site and proposed activities.

As explained in more detail below, this will involve a two-step process. First, CDFW will determine whether relocation will be required for a project and notify the permittee of its decision. If the permittee believes relocation is wholly impracticable, it may provide CDFW with information to support its contention. After considering the permittee’s information, CDFW will make a final determination as to whether relocation is required. Second, if the permittee does not provide CDFW with such information or if CDFW ultimately determines

Western Joshua Tree Relocation Guidelines and Protocols
California Department of Fish and Wildlife
August 2025

that some relocation is practicable, CDFW will inform the permittee of the number of western Joshua trees, by size class, that it must relocate. If the permittee believes it is impracticable to relocate that total number of trees, it may provide CDFW with information to support its contention. CDFW will meet with the permittee as needed to discuss and then make a final determination as to how many trees must be relocated.

When Will a Project Need to Relocate Western Joshua Trees?

In step one of this process, CDFW will make its initial determination as to whether relocation will be required. CDFW will not require relocation for any project that:

- Will lethally take fewer than 75 western Joshua trees; and
- Will impact less than 10 acres of western Joshua tree habitat.

An applicant may not divide its project into multiple project applications for the purpose of avoiding these requirements. If CDFW determines that an applicant has done so, CDFW may consider the applications collectively for purposes of determining whether the project meets the 75 tree or 10-acre threshold to require relocation.

For projects that will lethally take 75 or more western Joshua trees or impact 10 or more acres of western Joshua tree habitat, CDFW will consider the following additional factors in determining whether relocation will be required:

- CDFW is more likely to require relocation if the project is within predicted climate refugia for western Joshua tree.
- CDFW is less likely to require relocation or may require a lower number of trees to be salvaged if, for example:
 - The project is able to avoid lethal take of western Joshua trees.
 - The project can implement other minimization measures, such as only trimming western Joshua trees in lieu of removing them.
 - The project proponent allows existing land to be a receiver site for salvaged trees from other projects.

Once CDFW has made its determination that relocation will be required for a project, it will notify the permittee in writing of its decision. Upon receipt of notice that relocation will be required, the permittee may elect to submit information to demonstrate that relocating any western Joshua trees is wholly impracticable. CDFW will evaluate the information provided, meet with the permittee as

Western Joshua Tree Relocation Guidelines and Protocols
California Department of Fish and Wildlife
August 2025

needed, and make a final determination as to whether relocation will be required.

Whether relocation is wholly impracticable will be determined by CDFW on a case-by-case basis in consideration of several factors including whether one of the following limitations exists:

1. Legal Impossibility: A statutory or regulatory limitation to relocating western Joshua trees exists such that compliance with the relocation requirement is legally impossible or would necessarily result in fundamental changes to the project that make it impossible to fulfill the project's objectives. For example, a requirement to relocate trees may be legally impossible if compliance with the relocation requirement would clearly cause the project proponent to violate another permit issued for the project.
2. Technical or Technological Obstacle Impossibility: A significant technical or technological limitation to relocating western Joshua trees exists such that compliance with the relocation requirement is impossible. For example, a requirement to relocate western Joshua trees may be very difficult or impossible if the grade of the project site's landscape precludes use of heavy equipment to access trees.
3. Lack of Availability of Relocation Sites: If the permittee can demonstrate that relocation on site is impossible, that it does not own land suitable to be used as a relocation site, and that it has been unable—after a reasonable, good-faith search completed by the permittee—to locate a suitable relocation site without purchasing land, relocation will not be required. However, if CDFW is able to identify a suitable site, relocation may still be required.

How Many Western Joshua Trees Will a Project Have to Relocate?

When CDFW makes a final determination that relocation of western Joshua trees will be required as a minimization measure, CDFW shall provide the permittee with a second written notice that includes the number of trees, by size class, that must be relocated for the Project.

The number of western Joshua trees that will need to be relocated will be based upon the following three factors: (1) the number of living trees that will be

Western Joshua Tree Relocation Guidelines and Protocols
 California Department of Fish and Wildlife
 August 2025

lethally taken as confirmed by the approved census and project activities; and (2) the size classes of the trees that will be lethally taken.

The number of trees to be relocated will be based on the expected rate of relocation success for each method used (bare root¹ or tree spade²).

	Bare Root Relocation	Tree Spade Relocation
Size Class A (<1 m)	18%	9%
Size Class B (≥1m and <5)	12%	6%
Size Class C (≥5m)	6%	3%

Table 1. Western Joshua Tree Relocation Percentages

Based on the percentages above the "[WJT Salvage Requirement Calculator spreadsheet](#)" is used to help determine the number of trees likely required to be relocated based on the number of trees that will be lethally taken. The WJT Salvage Requirement Calculator can also be used to determine the number of trees per relocation method, should a combination of both tree spade and bare root be used.

Once CDFW has made its determination of the number of western Joshua trees that must be relocated for a project, it will notify the permittee in writing of its decision. Upon receipt of the notice, the permittee may elect to submit information to demonstrate that relocating that number of western Joshua trees is impracticable or that the permittee will undertake other significant avoidance and minimization measures sufficient to justify a reduction in the number of trees to be relocated. Along with this information, the permittee shall include its alternative proposed number of trees to relocate, by size class.

¹ When conducted in accordance with this document, the expected success rate of bare root relocation is between 50 and 90 percent (Goodwin, J. 2024. Joshua Tree National Park. Discussion with J. Goodwin, Vegetation Branch Manager. *in.*; Reynolds, D. 2024. The Landscape Center. Discussion with D. Reynolds, Project Manger/ISA Certified Arborist. *in.*).

² When conducted in accordance with this document, the expected success rate of tree spade relocation is greater than 90 percent (Goodwin, J. 2024. Joshua Tree National Park. Discussion with J. Goodwin, Vegetation Branch Manager. *in.*; Reynolds, D. 2024. The Landscape Center. Discussion with D. Reynolds, Project Manger/ISA Certified Arborist. *in.*; City of Palmdale. 2024. Report of the City of Palmdale Joshua tree preservation program.).

Western Joshua Tree Relocation Guidelines and Protocols
California Department of Fish and Wildlife
August 2025

CDFW will evaluate the information provided by the permittee. If CDFW agrees with the permittee's alternative proposal, it will notify the permittee in writing. If CDFW disagrees with the permittee's alternative proposal, CDFW will schedule a meeting with the permittee to discuss possible resolutions. Following the meeting, CDFW will make a final written determination as to how many western Joshua trees of each size class the permittee will be required to relocate.

Whether relocating the number of trees identified is impracticable will be determined by CDFW on a case-by-case basis in consideration of several factors including whether one of the following limitations exists:

1. Legal Impracticability: A statutory or regulatory limitation to relocating western Joshua trees exists such that relocating the required number of trees would necessarily result in changes to the project that make it significantly more difficult to fulfill the project's objectives. For example, a requirement to relocate a particular number of trees may be legally impracticable if it would require the permittee to seek changes to another permit issued for the project.
2. Technical or Technological Impracticability: A significant technical or technological limitation to relocating western Joshua trees exists such that relocating the required number of trees is. For example, a requirement to relocate mature western Joshua trees may be very difficult if the relocation site is not located sufficiently close to the project site or if the grade of the landscape precludes the use of heavy equipment for some of the trees to be relocated.

CDFW will also consider the extent to which the project is able to avoid take of western Joshua trees and/or the presence of other minimization measures, such as making land available as a relocation site or trimming western Joshua trees in lieu of removing them. The greater the avoidance and other minimization measures the permittee will undertake, the more appropriate a reduction in the number of trees to relocate will be.

CDFW recommends that permittees identify contingency trees that could be relocated if a problem arises with the primary trees targeted for relocation in the Relocation Plan. For example, if tree spade relocation is proposed, additional trees may be needed for relocation as a contingency in case the tree spade relocation method is impractical due to rocky terrain or other issues.

Western Joshua Tree Relocation Guidelines and Protocols
California Department of Fish and Wildlife
August 2025

Relocation Sites

The permittee should identify one or more relocation sites in the proposed Relocation Plan it submits to CDFW for approval. The permittee should first evaluate if salvage trees can be relocated on the project site and if any project design or phasing modifications can be made to accommodate salvage trees on site.

If salvage trees cannot be relocated on the project site, the permittee must propose one or more off-site relocation sites that can accept trees designated for relocation. If available, permittees should prioritize off-site relocation sites that have been degraded by impacts (e.g., fire, restoration areas). Relocation sites located within local preserves, parks, land trusts, and conservancies should also be considered. Relocation of salvage trees must be conducted in compliance with all applicable federal, state, and local laws.

Efforts should be made to relocate each salvage tree as close to its original location as is possible. Relocation sites that do not meet the criteria listed below may be approved by CDFW on a case-by-case basis. Criteria for selecting off-site relocation sites include:

- In a natural vegetation community that supports western Joshua trees;
- Prioritize locations within 16 kilometers of the salvage tree's original location, but no more than 50 kilometers from the salvage tree's original location; and
- Within 200 meters of the salvage tree's original elevation.

This document does not provide guidance regarding how to implement or support the assisted migration of western Joshua tree. At this time there is insufficient research published on the geographic boundaries of genetically distinct populations and/or climate adaptive traits within populations that may be suited for long distance (2.5 kilometers or greater from occupied habitat) assisted migration to expand western Joshua's tree's range or assisted geneflow to enhance a population's ability to adapt to climate change impacts. Opportunities for short distance (less than 2.5 kilometers from occupied habitat) assisted migration of western Joshua tree may be approved on a case-by-case basis. Assisted migration, assisted geneflow, and/or boundaries of genetically distinct populations may be discussed in future amendments to this document.

Western Joshua Tree Relocation Guidelines and Protocols
California Department of Fish and Wildlife
August 2025

Relocation Plan

Where relocation is required, a Relocation Plan must be prepared by the permittee and approved by CDFW prior to the issuance of an WJTCA ITP. The Relocation Plan may combine bare root and tree spade relocation methods and must include the following information:

- The contact information and qualifications of the desert native plant specialist(s) overseeing relocation;
- The date range when trees will be relocated. If salvage trees will be temporarily stored in containers, the plan must indicate when the trees will be replanted;
- The landowner's name, location name, and address or APN for each relocation site property;
- If salvage trees will be relocated outside of the project site, written confirmation from the owner of each relocation site granting the permittee permission to relocate salvage trees to the relocation site property, granting access to implement any maintenance and monitoring measures, and authorizing CDFW staff to access the property to conduct compliance inspections with appropriate advance notification;
- The unique identifier, size class, planned and contingency relocation methods, current and recipient site GPS coordinates (latitude/longitude in decimal degrees), overall health, description of any pest/human damage, and photo for each tree to be relocated (see the [census instructions](#) for submitting photographs);
- If utilizing multiple relocation sites, the permittee must document the relocation site where each tree will be relocated using the unique identifier and recipient site coordinates;
- The number of contingency trees be identified for relocation including the information described for each additional contingency tree; and
- Any other pertinent information regarding relocation operations.

Each permittee may, but is not required to, use [CDFW's Relocation Plan template](#) and [spreadsheet](#), so long as the permittee's proposed Relocation Plan contains all the required information set forth above. Any questions regarding the development of the Relocation Plan should be discussed with CDFW staff prior to submittal to avoid project delays.

Western Joshua Tree Relocation Guidelines and Protocols
California Department of Fish and Wildlife
August 2025

Protocols

Pre-Relocation

Selecting Trees for Relocation

Western Joshua trees that are in good health should be prioritized for relocation. Indications that a tree is in good health include where 60% or more of the tree's branches are living; minimal pest damage (no or few bore holes and/or less than 25% periderm [bark] stripping); recent signs of unrestricted hard growth; recent signs of flowering events, and/or strong vigor. Where a tree is greater than 7 meters in height, its size may limit its ability to be successfully relocated. Therefore, healthy salvage trees between 5-7 meters in height should be prioritized within Size Class C.

Siting

Trees identified for relocation should be clearly flagged or marked with a unique identifier and the recipient site should be identified before tree removal begins. Preferred and contingency methods for each relocation should also be identified (e.g., bare root relocation versus tree spade relocation) in advance. Each recipient site should be compatible with the corresponding salvage tree's relocation method (see Tree Spade Relocation under Digging/Tree Removal section below). The recipient site location should also be recorded using a Global Positioning System (GPS) unit and marked with pin flags or wood stakes that are clearly labeled with the unique identifier of the corresponding salvage tree. The permittee should identify a recipient site for each salvage tree that is: accessible for relocation and irrigation equipment, such as water trucks or trailers; provides or enhances connectivity corridors; mimics the density of the surrounding WJT population; and is located at least 4.5 meters from the nearest relocated western Joshua tree and 15 meters from a previously existing western Joshua tree. If possible, recipient site locations should be chosen at random and be spatially balanced throughout the relocation site. Geographic Information System (GIS) tools can assist with this process.

Timing

When feasible, western Joshua trees should be relocated at a time that maximizes their chance of survival. (Fish & G. Code, § 1927.3, subd. (a)(4)(A)(ii).) The optimal time to relocate trees occurs in the fall when heat/drought stress is

Western Joshua Tree Relocation Guidelines and Protocols
 California Department of Fish and Wildlife
 August 2025

low, and roots have adequate time to reestablish before the onset of hot, dry summer conditions. For bare root relocation, winter is a suboptimal but acceptable time to relocate trees but provides less time for roots to re-establish and may result in lower rates of survival. For tree spade relocation, there is a wider range of suboptimal but acceptable times to relocate trees because this method results in less root exposure and potential water loss through evapotranspiration as compared to bare root relocation. Relocating when trees are exposed to hot conditions for an extended period, should be avoided.

Bare Root Relocations

Winter	Spring	Summer	Fall
OK	Avoid	Avoid	Preferred

Tree Spade Relocations

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
OK	OK	OK	OK	Avoid	Avoid	Avoid	OK	OK	Prefer	Prefer	Prefer

Pre-Relocation Watering

In preparing for relocation, both the salvage trees and the recipient sites should be watered 24-48 hours in advance. An earthen berm 4-6 inches in height should be created around the trees and recipient sites to create water basins that ensure water saturates the soil around the root ball and recipient site. For bare root relocations, the perimeter of the berm should be no less than 24 inches from the base of the trunk. For tree spade relocations, the size of the berm should be slightly wider than the width of the tree spade to be used on that individual. The water basins should be filled with water to just below the top of the berm twice and allowed to fully drain between fillings. Root stimulant additives such as vitamin B1 and rooting hormone may assist in root regeneration but are not required. Root stimulant additives should be utilized according to product label recommendations.

Orientation

Prior to relocation, using a compass set to the correct declination, mark the north side of the tree identified for relocation with a water-based tree marking paint or other CDFW-approved means in a place that will not be impacted or obscured during relocation operations (e.g., a small paint mark on the trunk 12 inches above ground level or ribbon tape tied to one of the branches on the north side of the tree). When setting a salvage tree in a recipient site, best efforts

Western Joshua Tree Relocation Guidelines and Protocols
California Department of Fish and Wildlife
August 2025

should be made to place the tree in its original orientation; however, this may be not be possible based on the terrain of the recipient site.

Other Pre-Relocation Precautions

- Relocation operations should adhere to the American National Standards Institute Z133 Safety Requirements for Arboricultural Operations.
- Permittees should obtain all information necessary to avoid existing underground infrastructure at salvage and recipient sites prior to relocation (see [Underground Service Alert of Southern California \(DigAlert\)](#)).
- To prevent the spread of invasive species and pathogens, digging equipment should be clean and free from dirt and debris and sanitized with a 10% bleach solution prior to arriving at the site where trees will be salvaged.
- Depending on the method used, tree limbs may need to be trimmed to facilitate relocation. Limbs should only be trimmed as necessary to facilitate relocation.

Relocation

Digging/Tree Removal

If trees are in close proximity to each other (less than 18 inches apart at the bases of their trunks), all efforts should be attempted to relocate the trees together to avoid separation of trees that are connected through rhizomes below ground.

Bare root removal by hand – Relocations using only hand tools should only be done for trees that are less than 1 meter in height. The root ball and surrounding soil should be salvaged in a way that keeps the root ball as intact as possible. This can be accomplished by excavating a circular trench 10-12 inches deep, 1-2 feet from the base of the trunk. Once the trench is complete, hand tools should be used to undercut the root ball and sever the roots below. Only apply as much lateral pressure to the tree as necessary to expose roots for severing with hand tools. The cut surfaces on roots should be kept small to minimize root dieback and exposure to soil-borne pathogens.

Bare root removal by (non-tree spade) heavy equipment/excavator – As with bare root removal by hand, the root ball and surrounding soil should be

Western Joshua Tree Relocation Guidelines and Protocols
California Department of Fish and Wildlife
August 2025

salvaged in a way that keeps the root ball as intact as possible. There are different ways to accomplish this using an excavator, depending on the tree's size, soil conditions, and other factors. For trees that are less than 1 meter in height, an excavator with a bucket attachment at least 24 inches in width can be used to extract the tree and root ball in one scooping motion. The equipment operator should minimize incidental damage to the aboveground portion of the tree to the greatest extent possible. Root balls should be handled with care when they are unloaded from the bucket. For trees that are 1 meter or greater in height, a trench 18-24 inches deep should be excavated 2 feet from the base of the trunk. If the soil around the root ball stays intact and does not show signs of fracturing, the tree should be firmly rigged to the rounded exterior of the bucket using nylon straps at least 4 inches in width (Figure 1). Additional cloth padding may be placed around the straps to prevent damage to the periderm. Straps should be rigged at multiple points along the main trunk of the tree to prevent excessive swinging once freed from the soil. Once firmly rigged, the root ball should be undercut using hand tools as safely as possible until all or most of the roots are severed. Snapping roots should be minimized, as much as possible.

If the soil around the root ball does not hold together and shows signs of fracturing and instability when excavating the trench, as is common in sandy soils, the excavator should be used to undercut the root ball as much as possible without causing the tree to fall freely to the ground.

The tree should then be rigged to the bucket attachment using the methods described above and gentle but increasing lateral pressure should be applied to the tree to dislodge the root ball and lay the tree down. Once the tree is resting on the ground, the straps may need to be adjusted in order for the tree to be picked up by the excavator.

Trees removed from the ground using the bare root method should be replanted or containerized within 24 hours of removal.

Western Joshua Tree Relocation Guidelines and Protocols
 California Department of Fish and Wildlife
 August 2025



Figure 1 – Bare Root Removal: Removing soil around the root ball of a salvage tree using hand tools (left). Salvage tree being removed from the ground by an excavator (right). (Photo credit: National Park Service)

Tree spade relocation – Tree spades come in different sizes based on the width of the soil surface that they can encapsulate (Figure 2). Tree spades can be used to relocate trees of most sizes. However, they are not recommended for trees over 7 meters in height due to stabilization issues during high-speed wind events after relocation.

The following steps must be carried out sequentially, in a timely manner, and thoughtfully. Each western Joshua tree and corresponding recipient site should be evaluated for tree spade acceptability prior to digging. The desert native plant specialist should evaluate soil conditions to assess whether large rocks or boulders may prevent tree spade blades from fully encapsulating the root ball. This may be apparent by scanning the surface of the surrounding area or reviewing existing soil maps (see “Shallow Excavation Ratings” on NRCS Web Soil Survey: <https://websoilsurvey.nrcs.usda.gov/app>). Tree limbs may be trimmed only where necessary to allow the tree spade blades to fully close around the tree. The tree spade size should be selected to ensure the blades do not come within 18 inches of the base of the trunk at ground level. Recipient sites should be dug immediately before, or no more than 4 hours prior to, tree extraction to prevent the soil from drying out and collapsing. Excavated recipient site dirt should be used to backfill the tree removal site where available. Open pits

Western Joshua Tree Relocation Guidelines and Protocols
California Department of Fish and Wildlife
August 2025

should be flagged with stakes and high-visibility ribbon tape and temporary fencing should be installed around any unattended open pits to prevent people or animals from falling in.

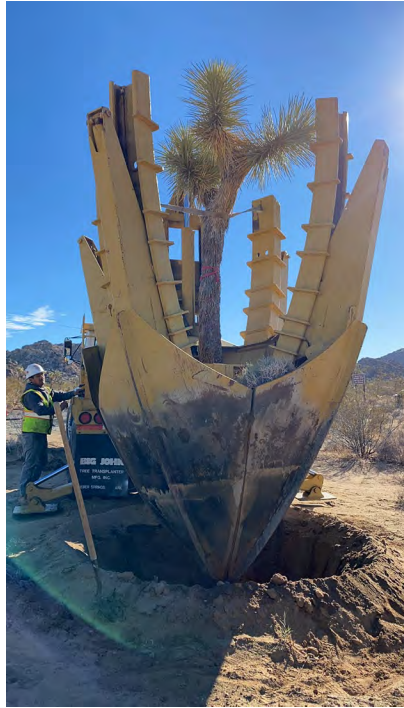


Figure 2. A salvage tree being removed from the ground using a tree spade (Photo credit: National Park Service).

Transporting Trees

If salvage trees are not going to be transported to recipient sites by hand or by the equipment used to extract the tree (e.g., by truck or trailer), precautions must be taken to avoid damage to the tree and root ball. Root balls should be loosely wrapped in burlap and kept moist during transport. Salvage trees should be supported at all times and not dropped or thrown. Salvage trees should be securely transported upright or at a slight angle. Salvage trees may touch other salvage trees during transport, but they should not be stacked or otherwise fully supported by other salvage trees. Salvage trees should be positioned in transport vehicles in a way that minimizes branch entanglement.

Planting Methods

Bare root relocations - The width of each recipient site hole should be approximately 12 inches greater than the width of the root ball. Root balls should

Western Joshua Tree Relocation Guidelines and Protocols
California Department of Fish and Wildlife
August 2025

fit snugly within their recipient holes to avoid stabilization issues. The depth of recipient sites holes should be 2-4 inches less than the height of the root ball to account for settling. If recipient site holes are dug too deep, they should be backfilled and compacted by foot or using hand tools. Salvage trees should be placed as close to their original orientation as the terrain will allow. Salvage trees should be supported when lowered into holes. Holes should be simultaneously backfilled with soil and water to eliminate air pockets and voids. Soil should be lightly compacted by foot or using hand tools.

Tree spade relocations - The salvage trees should be placed as close to their original orientation as the terrain will allow. If needed, soil should be backfilled and lightly compacted by foot or using hand tools to meet the grade of the surrounding soil surface.

Storage

If salvage trees need to be stored for later replanting, in-ground storage is preferred over containerizing. In-ground storage procedures should follow the pre-relocation water berm, planting, post-relocation water berm, and stabilization methods described herein. Salvage trees stored in-ground should be flagged for avoidance and/or fenced off.

If in-ground storage is not possible, each salvage tree should be placed in a container that is at least twice the size of the unrestricted root ball and includes drainage holes. The containers should be sanitized with a 10% bleach solution. The container should be filled using soil from the removal site if the salvage tree is being stored for less than 6 months or with a soil mix ratio of 100 parts organic potting soil to 160 parts coarse perlite to 200 parts washed concrete sand to 1 part "13-13-13" fertilizer (Goodwin 2024) if the salvage tree is being stored for longer than 6 months. The bottom one third of the container should be filled with soil mixture before placing the root ball into the container. Once the root ball is placed into the container, the remaining volume of the container should be filled with soil and water simultaneously to eliminate air pockets and voids. Salvage trees should not be stored in containers for longer than 2 years unless approved by CDFW. Containerized salvage trees should be stored either upright or at a slight angle to improve drainage and prevent root rot. If weather forecasts predict wind gusts over 60 mph, containerized trees should be closely grouped and tied together 24 hours in advance for added stability. If containerized salvage trees are pushed over, they should be promptly righted and stabilized using the methods described below for the duration of the

Western Joshua Tree Relocation Guidelines and Protocols
California Department of Fish and Wildlife
August 2025

storage period. Containerized salvage trees should be maintained and monitored following the methods described below. If trees show signs of drought stress, watering frequency may need to be increased. Containerized soil should always be allowed to thoroughly dry out before rewatering. Containerizing a salvage tree that has been removed from the ground using the tree spade method in a container would eliminate the benefits from this relocation method; therefore, salvage trees removed from the ground using the tree spade method should always be stored in the ground.

Post-Relocation

Water Basins

An earthen berm at least 4 inches in height should be created around each salvage tree following relocation. The top of the berm should be level. For bare root relocations, the perimeter of the berm should be no less than 24 inches from the base of the trunk. For tree spade relocations, the perimeter of the berm should be the width of the tree spade.

Stabilization

Stabilization material should be installed for salvage trees that are greater than 3 meters in height and for trees that are less than 3 meters in height with a tree height to canopy width ratio that exceeds 2:1. For example, a 2-meter-tall tree with a canopy width greater than 1 meter should have stabilization material installed. Non-abrasive guying materials, such as Arbor Ties, should be attached to three equidistant lateral ground-point anchors outside of the water basin. Guys should be taut but allow for some movement so they do not cause friction in light to moderate wind conditions.

Identification

Each salvage tree should be clearly flagged with tape ribbon or a metal tree tag, and labeled with a unique identifier (e.g., #1, #2, #3) and the relocation date (or the date when first removed from the ground for containerized salvage trees) in the following format: MM/DD/YYYY. Each tree tag should be loosely secured to the main trunk of the tree, rather than nailed directly into hard growth, and should be visible from the south. Each western Joshua tree stem or trunk arising from the ground shall be considered an individual tree requiring

Western Joshua Tree Relocation Guidelines and Protocols
California Department of Fish and Wildlife
August 2025

flagging, regardless of its proximity to any other western Joshua tree stem or trunk.

Recordation

A GPS unit should be used to record the location of each salvage tree's recipient site. The relocation method (bare root – hand, bare root – excavator, or tree spade) should also be recorded, along with a color photo of each tree taken from the south of the tree facing north. The picture should include the entire tree.

Maintenance and Monitoring

Where relocation is required under a WJTCA ITP, it is the permittee's responsibility to ensure the maintenance and monitoring measures set forth below are implemented and as required in the permittee's WJTCA ITP. Relocation is considered successful when the health of a salvaged western Joshua tree is stable or improving without any supplemental care after the post-relocation maintenance period.

Site Visits

Site visits should be conducted by a technician with relevant experience in assessing the signs of western Joshua tree health to determine maintenance needs for relocated trees according to the following schedule:

Year 1

- Months 0-3, once every two weeks.
- Months 4-12, once per month.

Year 2

- Months 13-24, every other month.

Year 3

- Months 25-36, every other month only for trees showing signs of declining health. At the end of the 3-year maintenance period, all trees should receive a final site visit and be assessed according to the Completion Report section below.

Western Joshua Tree Relocation Guidelines and Protocols California Department of Fish and Wildlife August 2025

During site visits, technicians should assess and record maintenance needs for each salvage tree. They should also have a site map showing the locations of all salvage trees, a GPS device to confirm salvage tree locations, and notes and photos from previous visits, and they should be prepared to address maintenance needs during site visit or shortly thereafter.

Watering

During the months of May to September, salvage trees should only be watered during site visits if the total rainfall (or snowfall equivalent) for the region within which the recipient site is located is less than 0.4 inches within the previous 7 days. During the months of October to April, salvage trees should only be watered during site visits if the total rainfall (or snowfall equivalent) for the region within which the recipient site is located is less than 0.3 inches within the previous 7 days. Regional precipitation models may be used in determining rainfall amounts; however, rain gauges within, or adjacent to, relocation sites provide the best indicator of precipitation totals. Water basins should be filled to the top of the berm, but not allowed to overtop the berm. A technician with relevant experience in assessing the signs of western Joshua tree health is not needed to water salvaged trees.

Tree Health

Tree health should be assessed by a technician and recorded for each salvage tree during site visits. Tree health should consider signs of new leaf growth, branch loss, signs of flowering/fruitletting, signs of pest/human-caused damage, leaf discoloration, restricted hard growth, overall vigor, and other indicators worth noting. If salvage trees are showing signs of increasing health after two years of maintenance, they do not need to be visited during the third year (see reporting requirements below), except for the final site visit.

Invasive Plant Removal

Invasive plants should be controlled and removed within the water basin. Removal should occur before invasive plant seeds reach maturity. Invasive plants should be removed through mechanical methods and hand pulling or with hand tools, rather than by chemical means, and appropriately disposed of. In removing invasive plants, care should be taken to not damage salvage tree roots. A list of common invasive plant species can be found on the California

Western Joshua Tree Relocation Guidelines and Protocols
California Department of Fish and Wildlife
August 2025

Invasive Plant Council Invasive Plant Inventory (Cal IPC Inventory) website at: <https://www.cal-ipc.org/plants/inventory/>. Native plants should be retained where possible.

Maintenance of Berms, Stabilization Supports, and Identification Markers

During site visits, berms should be checked for height and any breaks that would allow water to escape from the water basin. Stabilization supports should be checked for damage and tightness. If relocated trees are showing signs of leaning, stabilization supports should be added or adjusted. Identification markers should also be checked for intactness, legibility, and maintenance needs.

Completion Activities

During the final site visit at the end of the 3-year maintenance period, berms, stabilization supports, and identification markers must be removed from the relocation site.

Reporting

Where relocation is required under a WJTCA ITP, it is the permittee's responsibility to ensure the reporting measures set forth below are implemented. Where relocation is voluntary, CDFW requests that the permittee provides the same reporting information to CDFW to better inform updates to these guidelines and relocation protocols.

Post-Relocation Reporting

When a WJTCA ITP requires relocation of western Joshua trees, the permittee must submit a post-relocation report to CDFW no more than 30 days after relocations are completed. The post-relocation report should include the following:

- The date range when relocation operations occurred; and
- For each salvage tree:
 - The unique identifier and recipient site coordinates;
 - The final recipient site, including GPS coordinates (latitude/longitude in decimal degrees);

Western Joshua Tree Relocation Guidelines and Protocols
California Department of Fish and Wildlife
August 2025

- The relocation method used;
- The height and diameter of the post-relocation water basin constructed;
- Any stabilization supports installed;
- Any major damage, including any necessary limb trimming, that occurred during relocation;
- Any deviation from the tree's original orientation;
- Any root stimulant additives used in pre- or post-relocation irrigations; and
- A photo of the tree facing north, with the unique identifier in each file name.

Maintenance Reports

When a WJTCA ITP requires relocation of western Joshua trees, the permittee must submit annual reports detailing the 1-year and 2-year maintenance periods, as appropriate, to CDFW. Maintenance reports should include the following information:

- The date(s) when site visit(s) occurred;
- The contact information and relevant experience of the technician(s) performing tree assessments; and
- Information for each salvage tree regarding the following:
 - The unique identifier and recipient site coordinates;
 - Whether the tree is alive or dead;
 - Dates of supplemental waterings;
 - Identity and estimated number of invasive plants observed/controlled and the methods used;
 - Any signs of pest/human damage;
 - Any signs of declining tree health;
 - Any maintenance conducted to repair, replace, add, or adjust berm, stabilization supports, and/or identification markers;
 - A photo of the tree facing north, with the unique identifier in each file name; and
 - At the end of the 2-year period, the reasons for discontinuing maintenance on trees showing stable or increasing health, such as new leaf growth, flowering/fruitleting, good leaf color, no signs of pest/human damage, and/or unrestricted hard growth.

Western Joshua Tree Relocation Guidelines and Protocols
California Department of Fish and Wildlife
August 2025

Completion Report

A completion report must be submitted to CDFW no more than 30 days after the end of the 3-year maintenance period. The completion report must contain the following:

- The date when the final site visit occurred;
- The date when berm/stabilization materials/identification markers were removed;
- The contact information and qualifications of the technician(s) performing the final assessment; and
- Information for each salvage tree regarding the following:
 - Whether the tree is alive or dead;
 - Any damage that occurred during or after relocation;
 - Any signs of declining health;
 - Any signs of pest damage; and
 - A photo of the tree facing north, after berm, stabilization materials, and identification markers are removed, with the tree's unique identifier in each file name; and
 - Any recommendations that may help to improve tree relocation methods.

Literature

Bainbridge, D. 2007. A guide for desert and dryland restoration: New hope for arid lands. Island Press, Washington D.C. 20009, USA.

Balogh, M. A. 2019. Mojave Desert ecosystem recovery: Potency of biotic and abiotic restoration methods in low elevation plant communities. University of Nevada, Las Vegas, Thesis, Las Vegas, Nevada, USA.

City of Palmdale. 2024. Report of the City of Palmdale Joshua tree preservation program.

Wagner, M. L. 2018. Factors influencing revegetation efforts in the Mojave Desert: Field studies and meta-analysis of the Morongo Basin and Joshua Tree National Forest. California State Polytechnic University, Thesis, Pomona, California, USA.

Western Joshua Tree Relocation Guidelines and Protocols
California Department of Fish and Wildlife
August 2025

Personal Communications

Goodwin, J. 2024. Joshua Tree National Park. Discussion with J. Goodwin, Vegetation Branch Manager. [22 Mar 2024].

Graver, N. 2024. Joshua Tree National Park. Desert Native Plant Specialist Review of "Western Joshua Tree Relocation Protocol". [10 June 2024].

Reynolds, D. 2024. The Landscape Center. Discussion with D. Reynolds, Project Manger/ISA Certified Arborist. [1 May 2024].