

VM Program Overview

August 9, 2021

2021 QC Mileage Productivity

2021 QC Mileage Targets

Month	HFRA & Non-HFRA				HFRA				Non-HFRA			
	Goal	Actual	Plus Delta	% to 8145	Goal	Actual	Plus Delta	% to 6125	Goal	Actual	Plus Delta	% to 2020
January	678.75	755	76.25	9.3	510.4	679	168.6	11.0	168.3	74	94.3	3.6
February	1357.50	1854	496.50	22.7	1020.8	1452	431.2	23.7	336.6	400	63.4	19.8
March	2036.25	2415	378.75	29.6	1531.2	1803	271.8	29.4	504.9	610	105.1	30.2
April	2715.00	3066	351.0	37.6	2041.6	2321	279.4	37.8	673.2	737	63.8	36.4
May	3393.75	4016	622.25	49.3	2552.0	3052	500.0	49.8	841.5	954	112.5	47.2
June	4072.50	4601	528.50	56.4	3062.4	3503	440.6	57.1	1009.8	1065	55.2	52.6
July	4751.25	5238	486.75	64.3	3572.8	4063	490.2	66.4	1178.1	1142	36.0	56.5
August	5430.00				4083.2				1346.4			
September	6108.75				4593.6				1514.7			
October	6787.50				5104.0				1683.0			
November	7466.25				5614.4				1851.3			
December	8145.00				6125.0				2020.0			

- Goal/Actual columns are “cumulative miles”
- 2021 QC Plan mileage target is 8145 circuit miles: $8145 \text{ miles} \div 12 \text{ months} = 678.75 \text{ miles per month}$
- Compliance QC is currently fully staffed at 26 FTE (20 field, 2 QC for verification of remediations, 4 field supervisors)
- $8145 \text{ miles} \div 20 \text{ inspectors} = 407.25 \text{ miles per year per inspector}$, ($407.25 \div 220 \text{ days} = 1.851 \text{ miles per day}$)

RCD / CCD Performance – 2021 3 Months rolling & YTD

RCD CONFORMANCE % – OVERALL VM PROGRAM				
	May	June	July	YTD
T & D	99.35	99.00	98.89	99.22
Transmission	99.04	89.11	97.73	98.16
Distribution	99.35	99.26	99.01	99.28
RCD CONFORMANCE % – PRUNING CONTRACTORS				
T & D	99.41	99.14	98.68	99.17
Transmission	99.07	87.36	97.52	97.43
Distribution	99.41	99.30	98.85	99.24
RCD CONFORMANCE % – INSPECTION CONTRACTORS				
T & D	99.15	99.00	99.37	99.54
Transmission	100.00	89.42	99.58	99.84
Distribution	99.13	99.29	99.36	99.52

RCD = Regulation Clearance Distance NIP = No QC Inspections Performed Transmission RCD incorporates Sag & Sway

CCD CONFORMANCE % – OVERALL VM PROGRAM				
	May	June	July	YTD
T & D	96.41	95.71	96.35	96.16
Transmission	99.68	82.40	97.28	95.38
Distribution	96.39	96.06	96.27	96.21
CCD CONFORMANCE % – PRUNING CONTRACTORS				
T & D	96.37	96.93	96.96	96.50
Transmission	97.20	84.48	97.52	93.14
Distribution	96.37	97.10	96.88	96.64
CCD CONFORMANCE % – INSPECTION CONTRACTORS				
T & D	96.32	95.74	97.23	97.75
Transmission	100.00	82.73	99.38	99.52
Distribution	96.26	96.13	97.13	97.66

QC Tier 1 CCD Metric

AQL RCD = 100%
AQL CCD = 95%

CCD = Compliance Clearance Distance NIP = No QC Inspections Performed Transmission CCD incorporates Sag & Sway

< 90%	90% to < 95%	95% to < 97%	97% to < 98%	98% to < 99%	99% to 100%
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NOTE: RCD and CCD results indicate tree condition clearance at time of QC, not at time of trim

YTD VM Performance – Transmission & Distribution

VM Lead: Bill

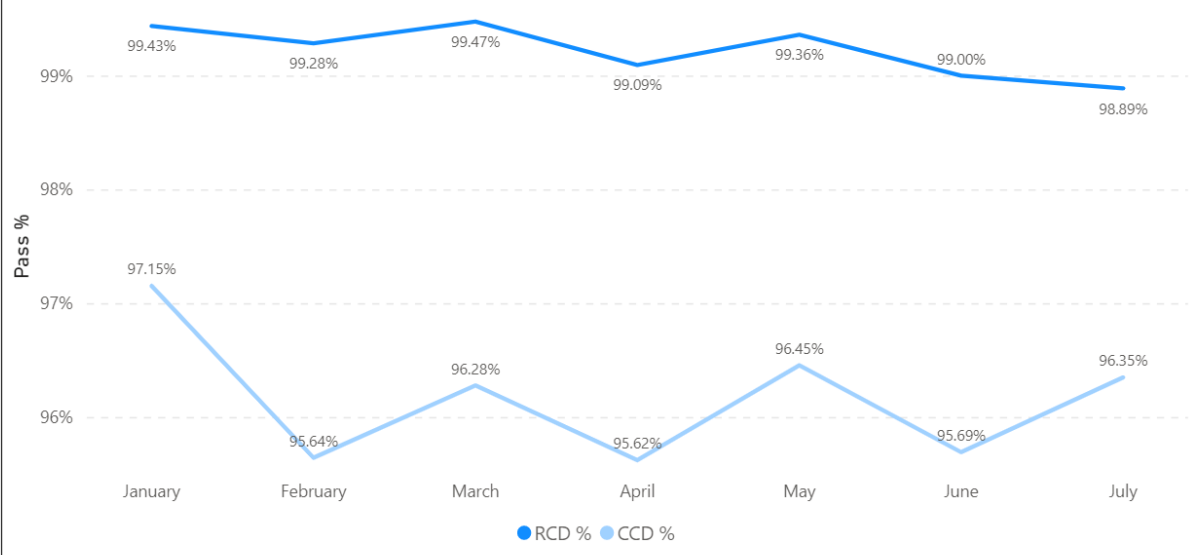
Pass % by District

District	Trees Inspected	RCD Pass %	CCD Pass %
29-Palms	1363	100.00%	99.41%
Big Creek	113	100.00%	100.00%
Fullerton	2017	100.00%	99.31%
Ridgecrest	144	100.00%	100.00%
San Joaquin	1711	100.00%	99.53%
Wildomar	11668	99.97%	99.64%
Whittier	3767	99.87%	98.96%
Huntington Beach	608	99.84%	99.67%
Bishop/Mammoth	6396	99.83%	99.31%
Ontario	8387	99.81%	98.59%
Menifee	12664	99.79%	98.99%
Long Beach	1587	99.75%	96.98%
Tehachapi	1113	99.73%	99.28%
Victorville	2900	99.72%	95.83%
Kernville	9432	99.63%	96.63%
Santa Ana	231	99.57%	98.27%
Antelope Valley	5977	99.56%	96.24%
Montebello	1972	99.49%	96.75%
Covina	11684	99.49%	97.97%
Compton	1107	99.37%	97.92%
Ventura	17299	99.29%	96.36%
Santa Monica	1058	99.15%	96.03%
South Bay	8669	99.05%	95.10%
Arrowhead	23915	99.01%	94.35%
Thousand Oaks	18781	98.84%	95.86%
Monrovia	12985	98.68%	92.03%
Valencia	4882	98.40%	93.71%
Redlands	5306	98.25%	92.29%
Saddleback	2138	98.13%	90.27%
Santa Barbara	4565	97.88%	91.81%

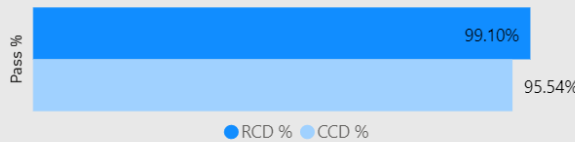
Distribution

Transmission

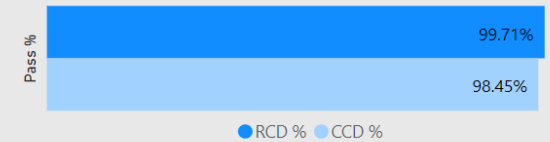
Clearance Pass % by Month



HFRA Clearance Pass %



Non HFRA Clearance Pass %



Total Trees Inspected

192278

Overall RCD Pass %

99.22%

Overall CCD Pass %

96.16%

AQL RCD = 100%
AQL CCD = 95%

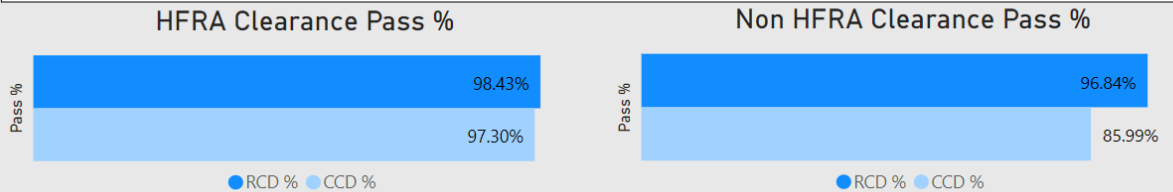
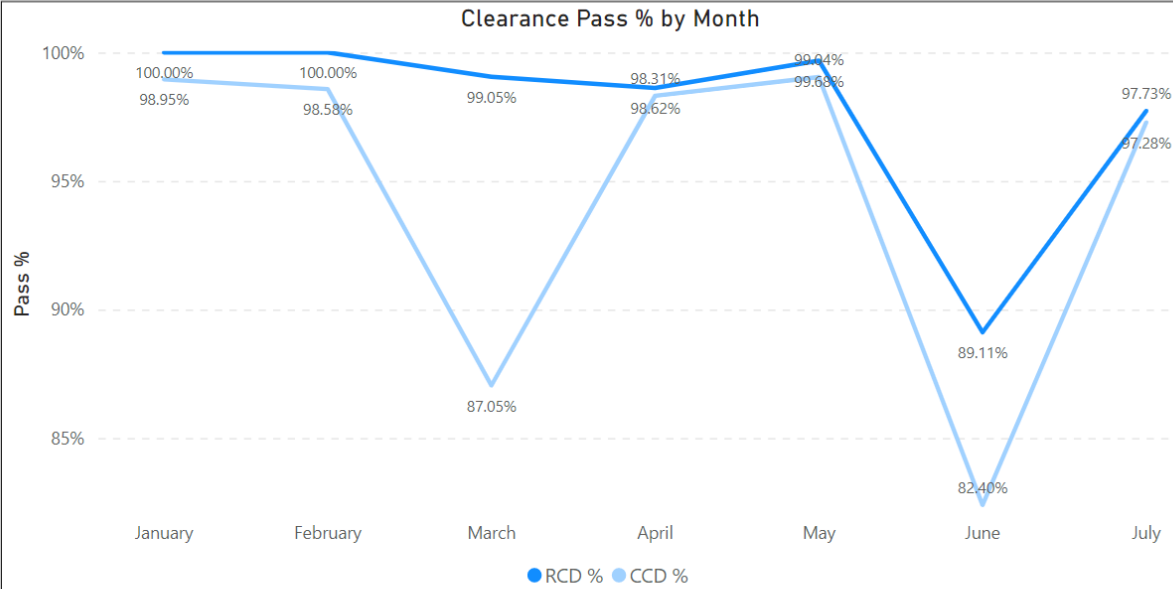
NOTE: RCD & CCD results indicate tree condition clearance at time of QC, not at time of trim

Compliance Zone		HFRA	D	Compliance Zone		HFRA	Non-HFRA
T	RCD = Regulation Clearance Distance	10'		RCD = Regulation Clearance Distance	4'	18"	
	CCD = Compliance Clearance Distance (RCD x 1.5)	15'		CCD = Compliance Clearance Distance (RCD x 1.5)	6'	3'	

YTD VM Performance – Transmission

VM Lead: Bill

Pass % by District			
District	Trees Inspected	RCD Pass %	CCD Pass %
Antelope Valley	1605	100.00%	99.07%
Menifee	134	100.00%	100.00%
Santa Barbara	667	100.00%	100.00%
Ventura	124	100.00%	100.00%
Whittier	107	100.00%	100.00%
Ontario	1005	99.90%	99.80%
Valencia	740	99.73%	98.51%
Monrovia	1327	98.04%	96.99%
Saddleback	1126	96.80%	83.57%
Thousand Oaks	742	88.41%	83.96%



Total Trees Inspected

8376

Overall RCD Pass %

98.16%

Overall CCD Pass %

95.38%

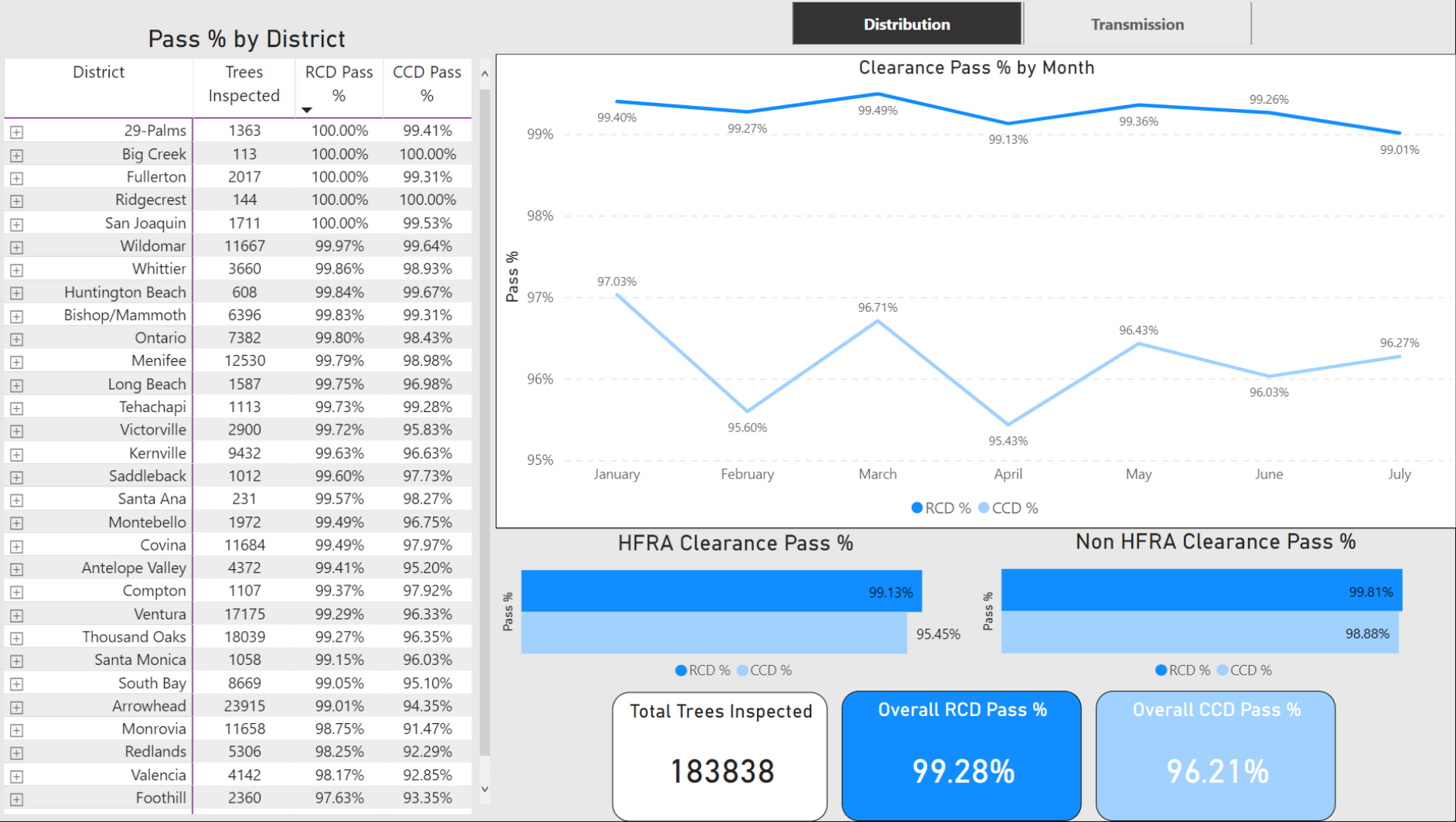
NOTE: RCD & CCD results indicate tree condition clearance at time of QC, not at time of trim

Compliance Zone		HFRA
T	RCD = Regulation Clearance Distance	10'
	CCD = Compliance Clearance Distance (RCD x 1.5)	15'

AQL RCD = 100%
AQL CCD = 95%

YTD VM Performance – Distribution

VM Lead: Bill



NOTE: RCD & CCD results indicate tree condition clearance at time of QC, not at time of trim

D	Compliance Zone	HFRA	Non-HFRA
	RCD = Regulation Clearance Distance	4'	18"
	CCD = Compliance Clearance Distance (RCD x 1.5)	6'	3'

AQL RCD = 100%
AQL CCD = 95%

VM Performance – T & D (Rolling 12 months)

VM Lead: Bill

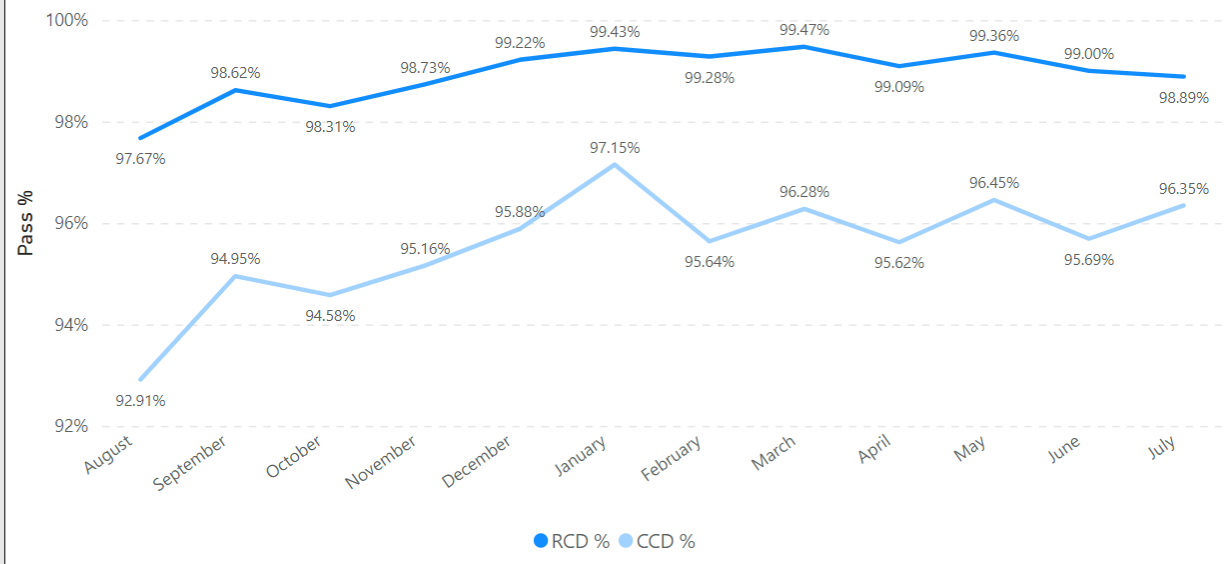
Pass % by District

District	Trees Inspected	RCD Pass %	CCD Pass %
Fullerton	2214	100.00%	99.37%
Ridgecrest	144	100.00%	100.00%
Wildomar	15936	99.96%	99.42%
Big Creek	617	99.84%	99.19%
Huntington Beach	608	99.84%	99.67%
Ontario	12129	99.83%	98.77%
Whittier	5421	99.78%	98.78%
Tehachapi	9880	99.78%	98.66%
29-Palms	3021	99.74%	97.29%
Bishop/Mammoth	7346	99.73%	98.48%
Kernville	15285	99.57%	96.95%
Covina	18245	99.50%	97.93%
Montebello	2530	99.41%	96.72%
Antelope Valley	13473	99.39%	96.39%
Palm Springs	2003	99.30%	96.26%
Ventura	23960	99.11%	95.96%
Arrowhead	48834	99.03%	93.93%
Thousand Oaks	26623	99.01%	96.39%
Menifee	30666	98.90%	95.34%
Santa Ana	1170	98.89%	95.90%
Long Beach	3841	98.85%	96.04%
Victorville	5350	98.82%	94.07%
Valencia	11557	98.67%	94.57%
Compton	1699	98.53%	96.94%
South Bay	14090	98.40%	93.31%
Monrovia	16685	98.32%	92.60%
Santa Monica	2028	98.27%	94.03%
Redlands	16227	98.11%	91.94%
Santa Barbara	12851	97.94%	92.55%
Foothill	2360	97.63%	93.35%
San Joaquin	9731	97.10%	95.57%

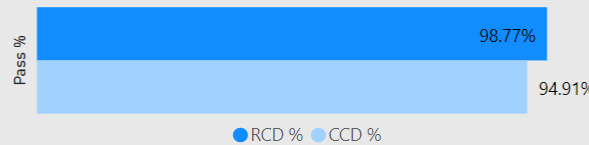
Distribution

Transmission

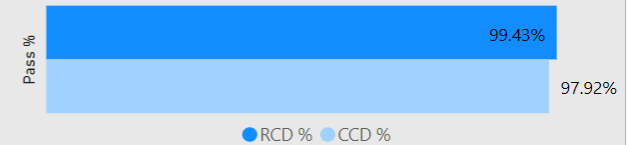
Clearance Pass % by Rolling 12-Month Period (2021)



HFRA Clearance Pass %



Non HFRA Clearance Pass %



Total Trees Inspected

350617

Overall RCD Pass %

98.89%

Overall CCD Pass %

95.48%

NOTE: RCD & CCD results indicate tree condition clearance at time of QC, not at time of trim

Compliance Zone		HFRA	D	Compliance Zone		HFRA	Non-HFRA
T	RCD = Regulation Clearance Distance	10'		RCD = Regulation Clearance Distance	4'	18"	
	CCD = Compliance Clearance Distance (RCD x 1.5)	15'		CCD = Compliance Clearance Distance (RCD x 1.5)	6'	3'	

VM Performance – Transmission (Rolling 12 months)

VM Lead: Bill

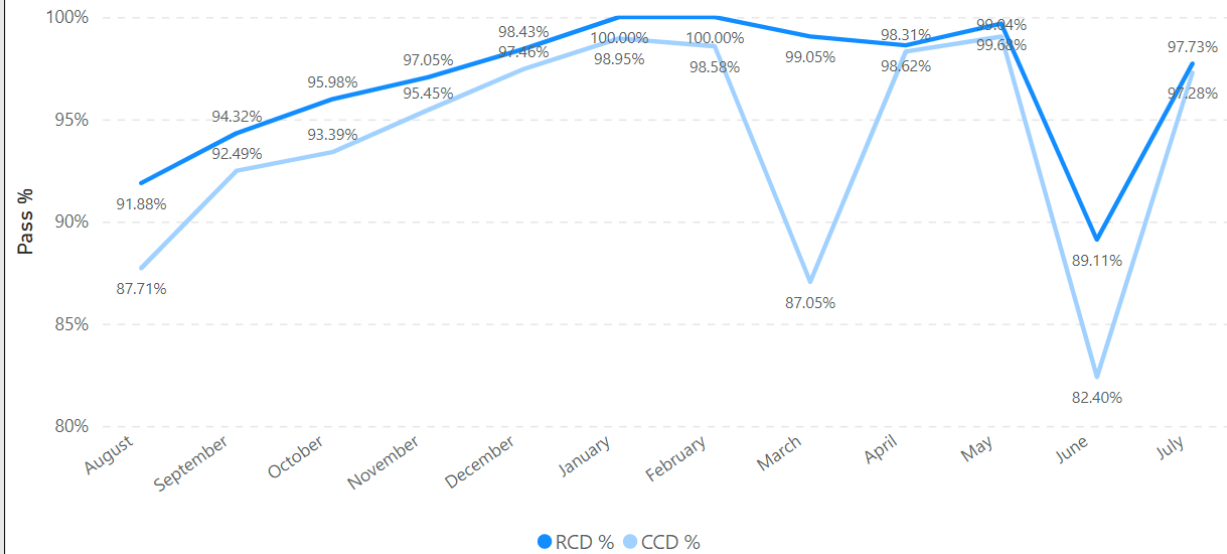
Pass % by District

District	Trees Inspected	RCD Pass %	CCD Pass %
Bishop/Mammoth	561	100.00%	100.00%
Covina	263	100.00%	100.00%
Kernville	193	100.00%	100.00%
Long Beach	194	100.00%	100.00%
Menifee	134	100.00%	100.00%
Whittier	107	100.00%	100.00%
Ontario	2477	99.92%	99.68%
South Bay	426	99.77%	99.77%
Antelope Valley	2620	99.47%	98.17%
Valencia	1813	99.17%	96.91%
Victorville	230	99.13%	93.48%
Santa Barbara	957	98.64%	97.60%
Santa Ana	217	98.16%	96.31%
Monrovia	3921	97.40%	95.89%
Thousand Oaks	1766	95.13%	93.20%
Ventura	344	91.28%	87.50%
San Joaquin	1701	83.95%	77.43%
Saddleback	1690	82.19%	69.59%

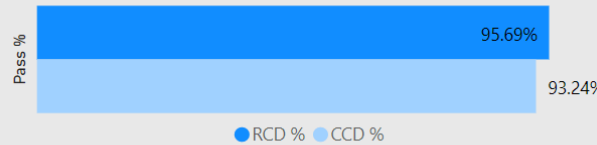
Distribution

Transmission

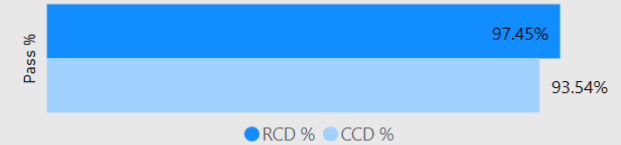
Clearance Pass % by Rolling 12-Month Period (2021)



HFRA Clearance Pass %



Non HFRA Clearance Pass %



Total Trees Inspected

23225

Overall RCD Pass %

96.02%

Overall CCD Pass %

93.30%

NOTE: RCD & CCD results indicate tree condition clearance at time of QC, not at time of trim

T	Compliance Zone	HFRA	D	Compliance Zone	HFRA	Non-HFRA
	RCD = Regulation Clearance Distance	10'		RCD = Regulation Clearance Distance	4'	18"
	CCD = Compliance Clearance Distance (RCD x 1.5)	15'		CCD = Compliance Clearance Distance (RCD x 1.5)	6'	3'

VM Performance – Distribution (Rolling 12 months)

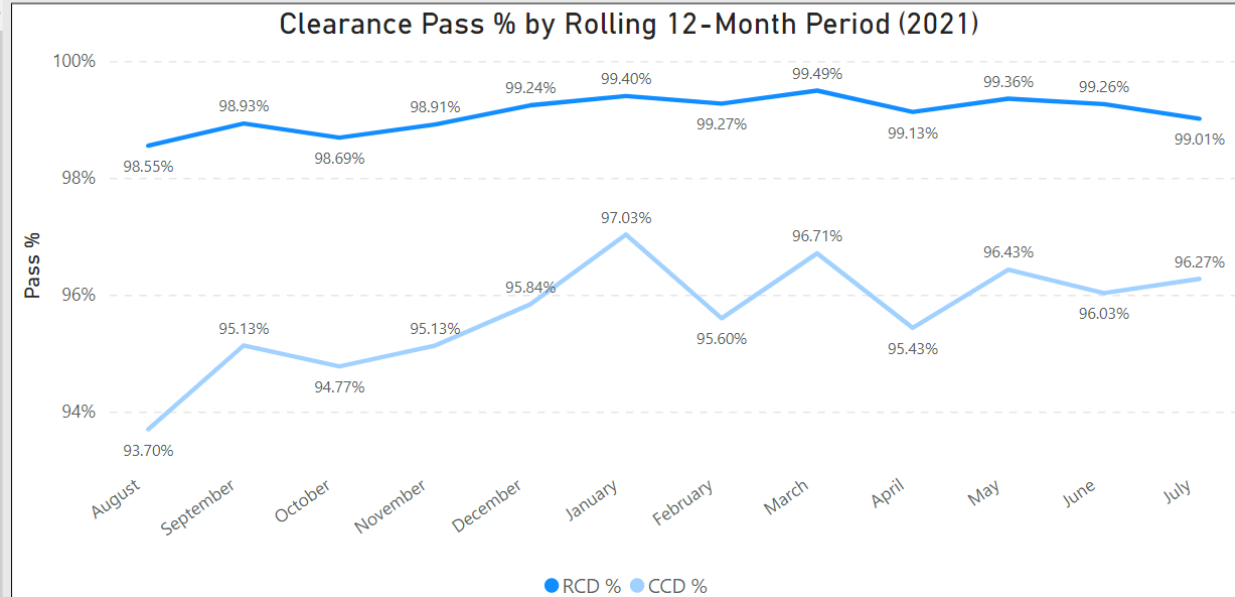
VM Lead: Bill

Pass % by District

District	Trees Inspected	RCD Pass %	CCD Pass %
Fullerton	2212	100.00%	99.37%
Ridgecrest	144	100.00%	100.00%
Wildomar	15935	99.96%	99.42%
San Joaquin	8030	99.89%	99.41%
Big Creek	617	99.84%	99.19%
Huntington Beach	608	99.84%	99.67%
Ontario	9641	99.80%	98.54%
Tehachapi	9880	99.78%	98.66%
Whittier	5258	99.77%	98.74%
29-Palms	3021	99.74%	97.29%
Bishop/Mammoth	6758	99.70%	98.34%
Saddleback	1127	99.65%	97.52%
Kernville	14912	99.56%	96.88%
Covina	17982	99.49%	97.90%
Montebello	2530	99.41%	96.72%
Antelope Valley	10844	99.37%	95.96%
Palm Springs	2003	99.30%	96.26%
Thousand Oaks	24826	99.29%	96.61%
Ventura	23605	99.22%	96.09%
Santa Ana	953	99.06%	95.80%
Arrowhead	48834	99.03%	93.93%
Menifee	30532	98.90%	95.32%
Victorville	5116	98.81%	94.10%
Long Beach	3647	98.79%	95.83%
Monrovia	12665	98.60%	91.57%
Valencia	9722	98.57%	94.12%
Compton	1699	98.53%	96.94%
South Bay	13618	98.36%	93.09%
Santa Monica	2028	98.27%	94.03%
Redlands	16226	98.11%	91.94%
Santa Barbara	11894	97.88%	92.15%

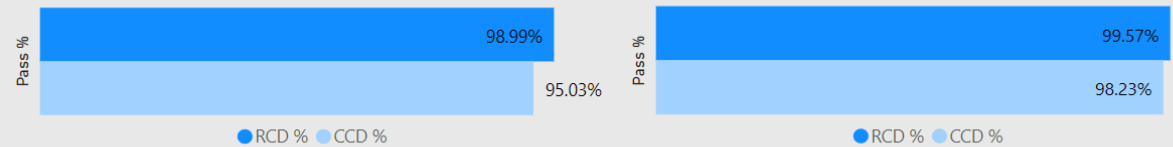
Distribution

Transmission



HFRA Clearance Pass %

Non HFRA Clearance Pass %



Total Trees Inspected

327328

Overall RCD Pass %

99.10%

Overall CCD Pass %

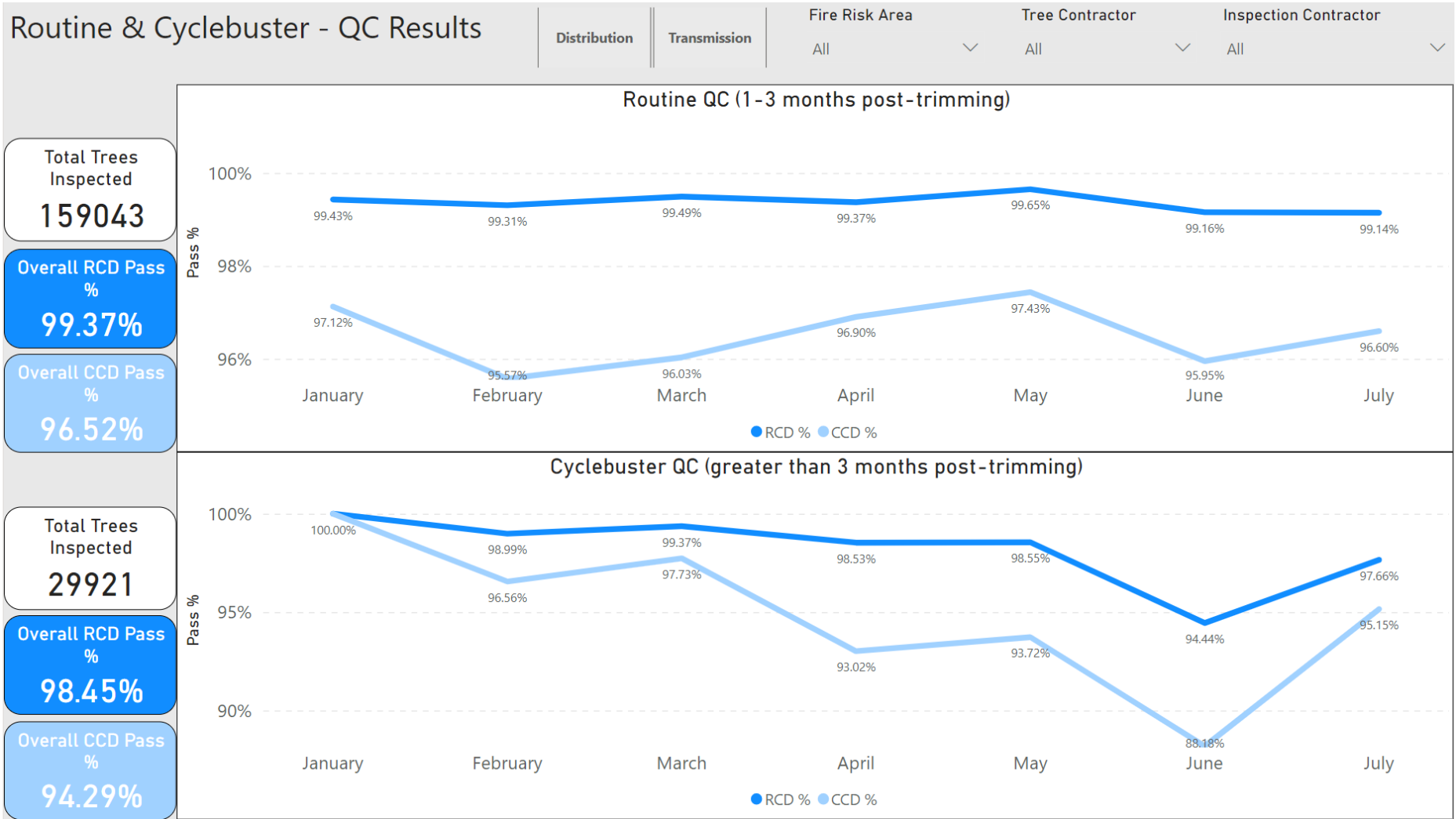
95.64%

NOTE: RCD & CCD results indicate tree condition clearance at time of QC, not at time of trim

Compliance Zone		HFRA	D	Compliance Zone		HFRA	Non-HFRA
T	RCD = Regulation Clearance Distance	10'		RCD = Regulation Clearance Distance	4'	18"	
	CCD = Compliance Clearance Distance (RCD x 1.5)	15'		CCD = Compliance Clearance Distance (RCD x 1.5)	6'	3'	

VM Performance – T & D 80%/20% (Rolling 12 months)

VM Lead: Bill



Other

Audit	VM Actions	Due Date
TEM-1	Finalize Vegetation Management Assessment flowchart	7/30/21
TEM-1	VM will evaluate add-on and scope change data to identify trends	7/30/21
TEM-2	Multiple enhancements to Survey123/Collector have been identified by ESD and prioritized by IT to support increased visibility to VM scopes of work and to facilitate additional data collection in the field. VM will provide a list of enhancements that will be incorporated into S123/Collector with milestones, or those items deferred to ARBORA	7/30/21
TEM-2	Request to add a property line layer in S123; this layer is currently available in Fulcrum and ARBORA. As of April 29, 2021, the ESA layer is defaulting to on; however, functionality is intermittent. IT is exploring bug fixes and expects resolution by July 30, 2021.	7/30/21
TEM-3	Revise UVM -09 “inspection” to provide additional direction/instructions to inspection personnel (PIs/Notification Consultants/Customer Coordinators)	7/30/21
CEM-2	Perform a review of the discrepant invoices identified in the audit	8/27/21
TEM-1	Look for potential probable causes in trend data from add-on/scope changes	8/31/21
TEM-3	Provide training on UVM-09 to all UVM employees and contractors	9/15/21
TEM-4	Evaluate potential enhanced oversight for the invoicing process for add-ons and scope changes	9/24/21
TEM-1	Evaluate the ongoing need to engage ESD prior to all add-ons and scope changes. Additional training will be provided to relevant personnel once the threshold for review and approvals has been determined	10/15/21
TEM-1	Determine additional process changes and training needed based on the results of the add-on/scope change trend evaluation and probable causes	10/15/21
TEM-3	Evaluate process changes needed to address oversight and/or effective review process including the need for additional resources if determined so by Observation 1	10/15/21
TEM-3	Explore/evaluate the best option and review threshold for additional oversight of the add-on and scope change process and will work with Supply Management to strengthen contract language	10/29/21
CEM-1	VM management will work with Supply Management to negotiate reduced rates for stand-by hours used in emergency operations for all its contractors	11/12/21
CEM-1	Contingent on successful negotiation of stand-by rates, VM RPPM will explore opportunities to improve the documentation associated with “start and end” of stand-by rate periods to support more accurate invoice review and approval	11/12/21
CEM-2	VM will explore additional opportunities for the review of T&E invoices and implement recommended changes. Contingent on the successful negotiation of stand-by rates, VM will explore the best approach for performing accurate reviews of invoices related to stand-by rates and implement these processes as soon as practical and the stand-by rates become effective	11/12/21
TEM-1	If ISN badging process cannot be used to verify contractor training records, VM Contract Representatives will review these records upon receipt and follow up with the relevant contractors if the records are incomplete. Process needs to be developed and implemented if ISN process is not feasible	12/15/21
TEM-2	VM will continue to partner with ESD in the development and deployment of the environmental coordination spreadsheet or other ESD-identified app as well as incorporate the ESD review, approval, and field coordination workflows into ARBORA. NOTE: VM does not have control over the development or timeline of tools created by the ESD Consultants but expects integration of these workflows into ARBORA in 4Q21	12/15/21

VM is currently responding to Observations from two ASD audits

APPENDIX – Contractor Performance Trending

2021 YTD

Pruning Contractor – Overall Performance (T&D)

District	Trees Inspected	RCD Pass %	CCD Pass %	ANSI Pass %	Pruning Contractor Performance					Distribution	Transmission
29-Palms	801	100.00%	99.38%	99.88%	Arborworks	Davey Tree Exp...	Mowbrays Tree...	Rolling Green	Utility Tree Ser...		
Big Creek	1	100.00%	100.00%	100.00%							
Blythe	380	100.00%	100.00%	100.00%							
Fullerton	1084	100.00%	99.82%	100.00%							
Huntington Beach	355	100.00%	100.00%	100.00%							
Ridgecrest	87	100.00%	100.00%	100.00%							
San Joaquin	83	100.00%	100.00%	100.00%							
Santa Ana	99	100.00%	98.99%	100.00%							
Tehachapi	469	100.00%	99.57%	94.24%							
Wildomar	8543	99.99%	99.84%	99.91%							
Long Beach	1020	99.90%	99.51%	99.80%							
Menifee	8570	99.89%	99.52%	99.99%							
Victorville	2336	99.83%	98.07%	100.00%							
Whittier	1121	99.82%	99.55%	99.82%							
Kernville	2478	99.80%	95.72%	99.80%							
Ontario	5717	99.79%	98.99%	99.83%							
Bishop/Mammoth	3102	99.71%	99.42%	99.94%							
Covina	8263	99.44%	98.69%	99.77%							
Montebello	1335	99.33%	96.25%	99.10%							
Antelope Valley	2531	99.29%	94.27%	99.88%							
Ventura	9477	99.22%	96.58%	99.82%							
Arrowhead	13798	99.05%	94.48%	99.86%							
Compton	764	98.95%	98.82%	99.35%							
Santa Monica	723	98.89%	96.40%	100.00%							
South Bay	5413	98.80%	96.66%	99.35%							
Thousand Oaks	12106	98.77%	96.55%	99.65%							
Monrovia	8096	98.28%	91.33%	99.81%							
Santa Barbara	1489	98.12%	91.67%	100.00%							
Redlands	2788	97.99%	92.68%	99.93%							
Valencia	2628	97.98%	93.00%	99.47%							
Saddleback	1491	97.52%	87.39%	100.00%							
Foothill	1261	97.22%	94.45%	99.84%							

Clearance Pass % by Month

Month	RCD %	CCD %
January	99.54%	97.42%
February	99.11%	95.41%
March	99.40%	96.03%
April	98.78%	95.06%
May	99.43%	97.45%
June	99.10%	96.83%
July	98.68%	96.96%

HFRA Clearance Pass %

Category	Pass %
RCD %	99.05%
CCD %	95.93%

Non HFRA Clearance Pass %

Category	Pass %
RCD %	99.62%
CCD %	98.57%

ANSI Quality Findings

Category	Count
Stubs	156
Improper_Crown...	28
Stubs, Improper...	18
BarkTearing	18
Improper_Directi...	18
Other	18
StumpsNotTreat...	18
HighStumpLeftO...	18

Total Trees Last Touched

109369

Overall RCD Pass %

99.17%

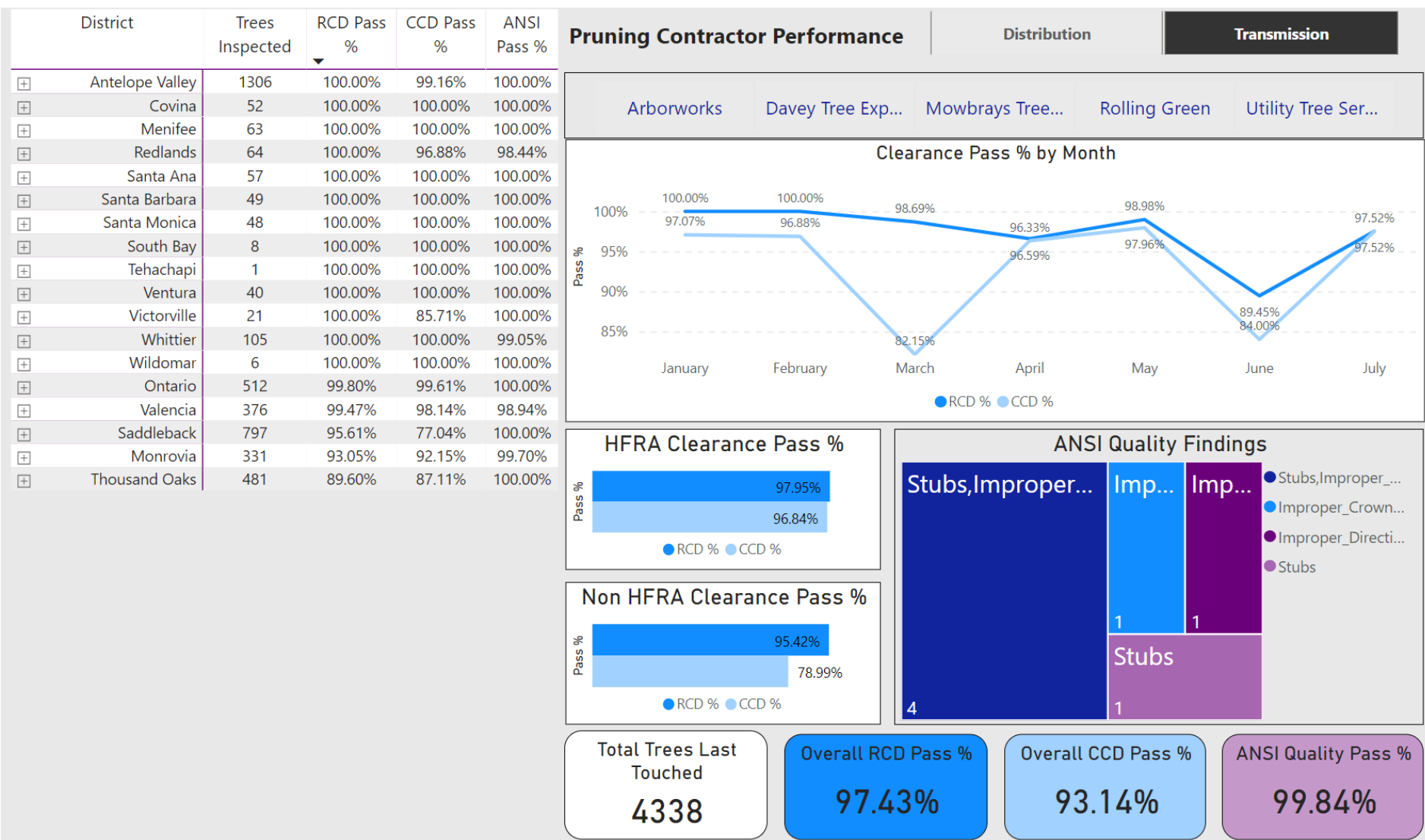
Overall CCD Pass %

96.50%

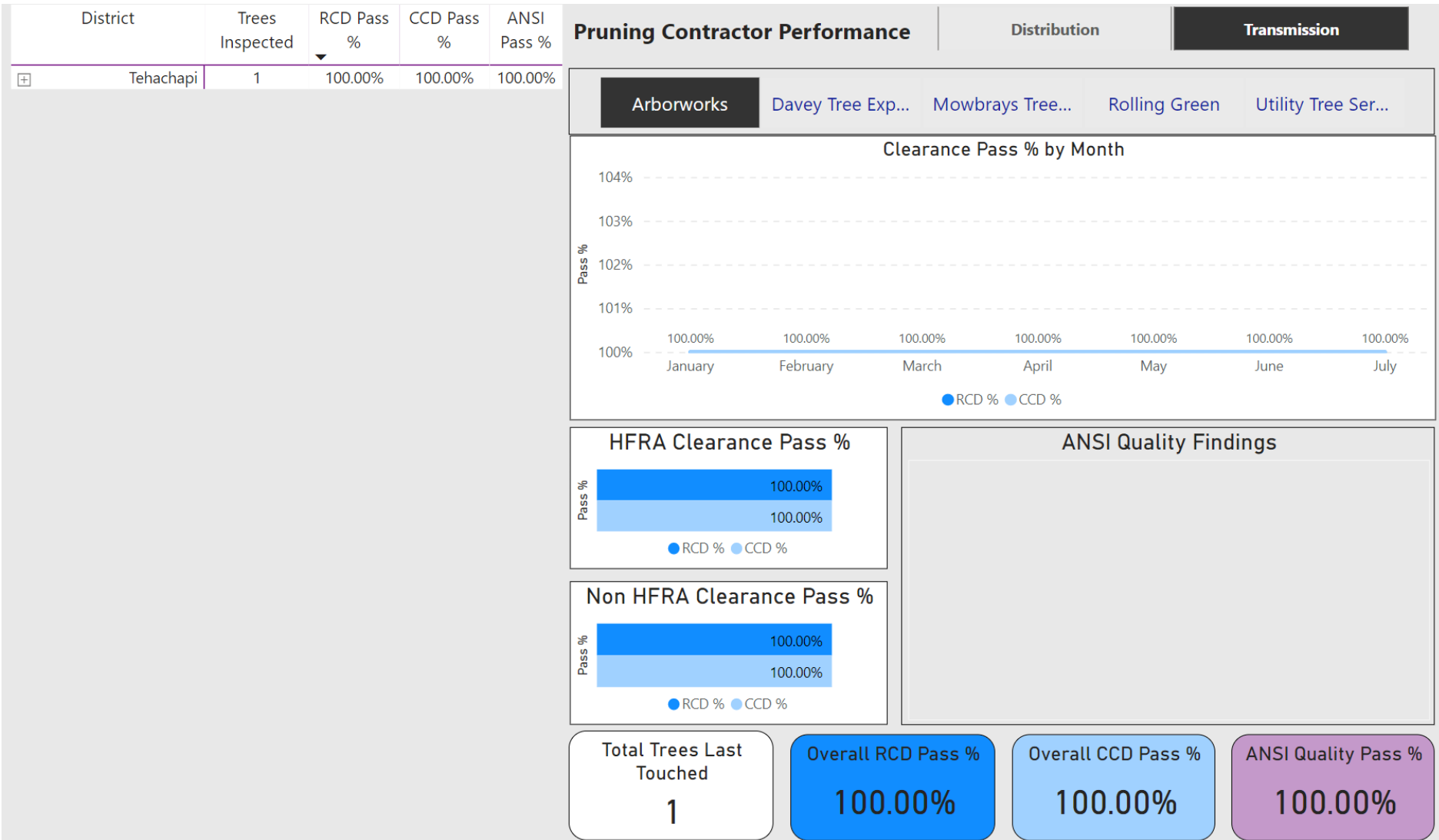
ANSI Quality Pass %

99.78%

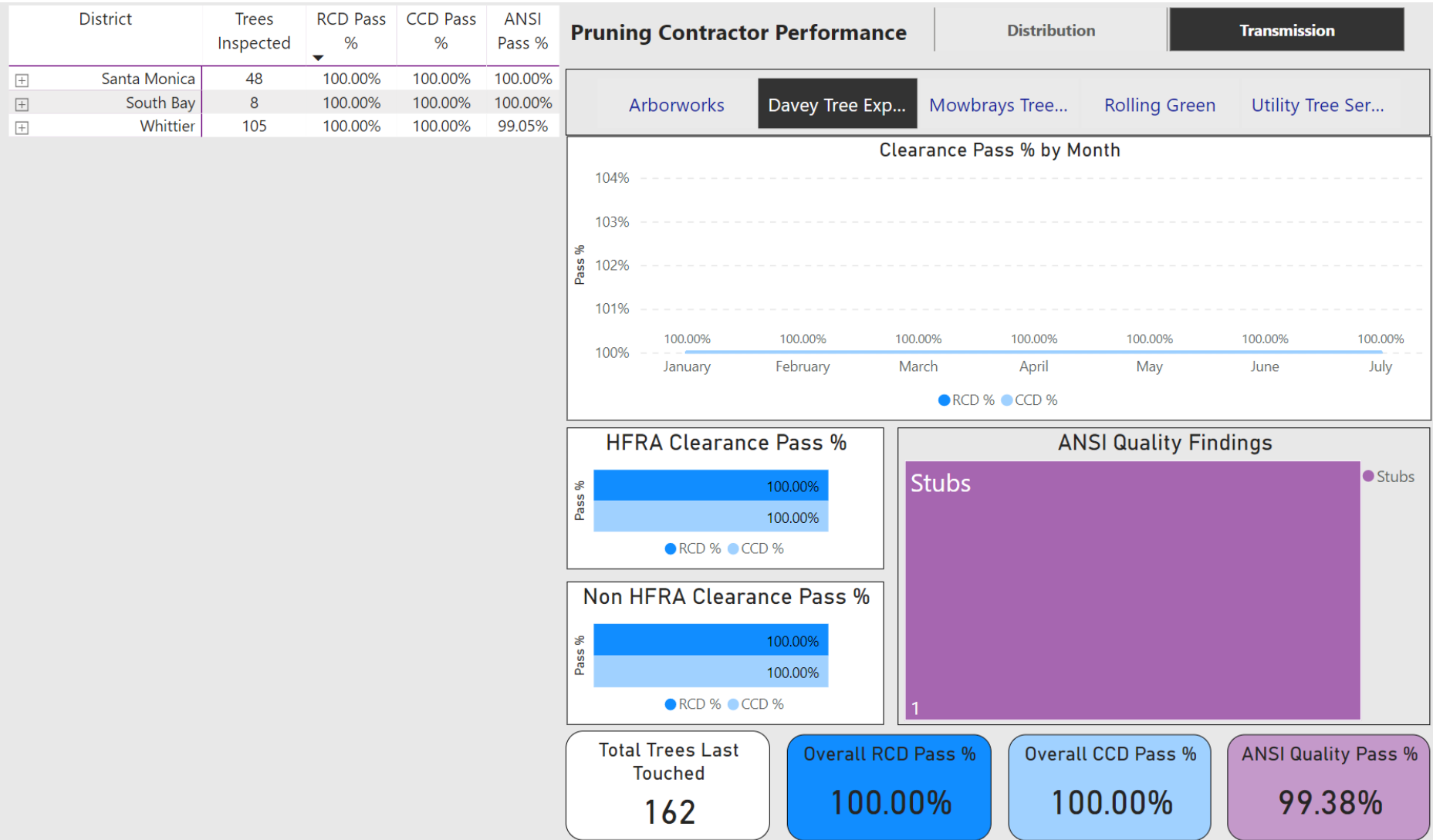
Pruning Contractor – Overall Performance (Transmission)



Pruning Contractor – Arborworks (Transmission)



Pruning Contractor – Davey Tree Experts (Transmission)



Pruning Contractor – Mowbrays Tree Service (Transmission)

District	Trees Inspected	RCD Pass %	CCD Pass %	ANSI Pass %
Antelope Valley	1306	100.00%	99.16%	100.00%
Menifee	63	100.00%	100.00%	100.00%
Redlands	64	100.00%	96.88%	98.44%
Victorville	21	100.00%	85.71%	100.00%
Wildomar	6	100.00%	100.00%	100.00%
Valencia	376	99.47%	98.14%	98.94%
Thousand Oaks	481	89.60%	87.11%	100.00%

Pruning Contractor Performance

Distribution

Transmission

Arborworks

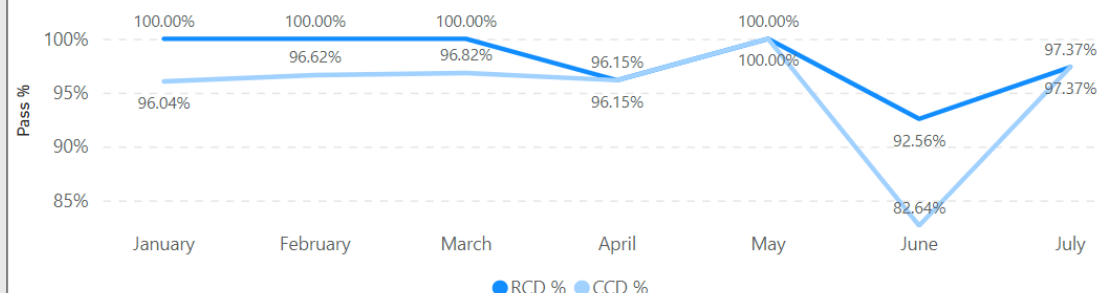
Davey Tree Exp...

Mowbrays Tree...

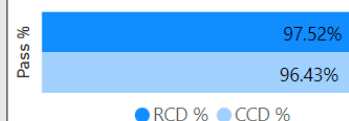
Rolling Green

Utility Tree Ser...

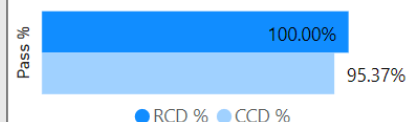
Clearance Pass % by Month



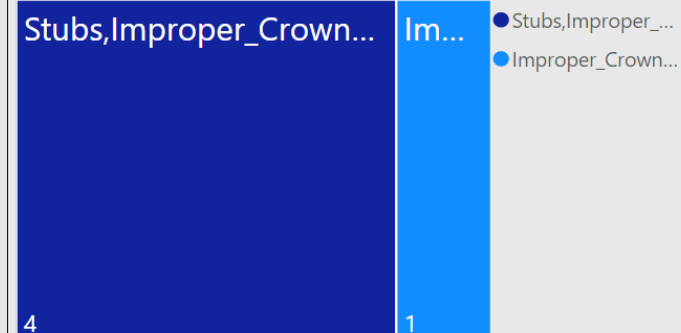
HFRA Clearance Pass %



Non HFRA Clearance Pass %



ANSI Quality Findings



Total Trees Last Touched

2319

Overall RCD Pass %

97.76%

Overall CCD Pass %

96.33%

ANSI Quality Pass %

99.78%

Pruning Contractor – Rolling Green (Transmission)

District	Trees Inspected	RCD Pass %	CCD Pass %	ANSI Pass %
<input type="checkbox"/> Covina	52	100.00%	100.00%	100.00%
<input type="checkbox"/> Ontario	512	99.80%	99.61%	100.00%

Pruning Contractor Performance

Distribution

Transmission

Arborworks

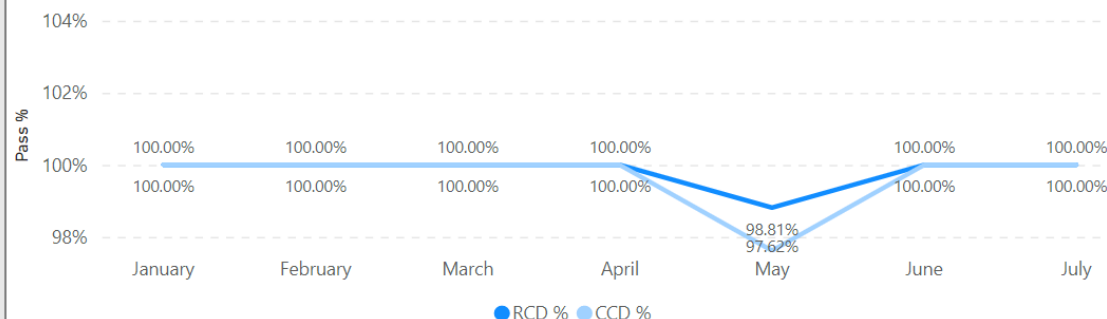
Davey Tree Exp...

Mowbrays Tree...

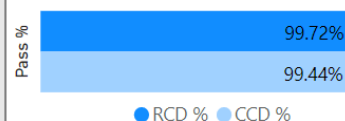
Rolling Green

Utility Tree Ser...

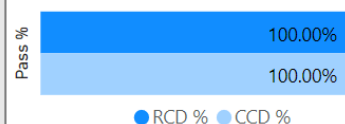
Clearance Pass % by Month



HFRA Clearance Pass %



Non HFRA Clearance Pass %



ANSI Quality Findings

Total Trees Last Touched

565

Overall RCD Pass %

99.82%

Overall CCD Pass %

99.65%

ANSI Quality Pass %

100.00%

Pruning Contractor – Utility Tree Service (Transmission)

District	Trees Inspected	RCD Pass %	CCD Pass %	ANSI Pass %
+ Santa Ana	57	100.00%	100.00%	100.00%
+ Santa Barbara	49	100.00%	100.00%	100.00%
+ Ventura	40	100.00%	100.00%	100.00%
+ Saddleback	797	95.61%	77.04%	100.00%
+ Monrovia	331	93.05%	92.15%	99.70%

Pruning Contractor Performance

Distribution

Transmission

Arborworks

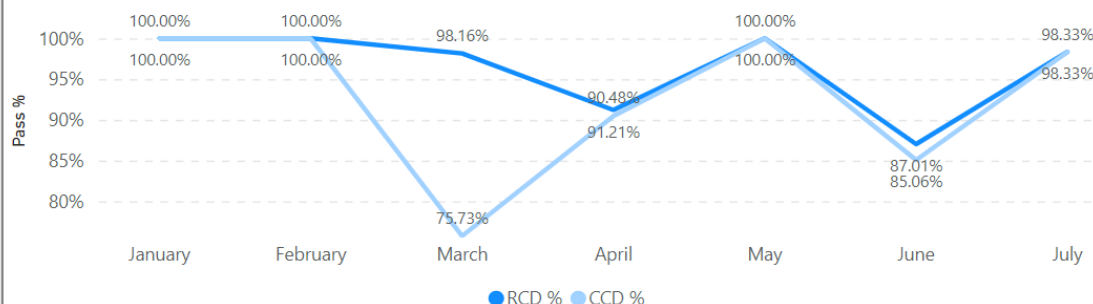
Davey Tree Exp...

Mowbrays Tree...

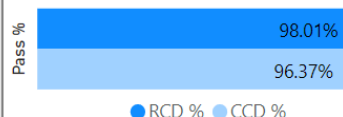
Rolling Green

Utility Tree Ser...

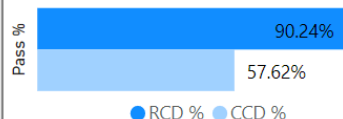
Clearance Pass % by Month



HFRA Clearance Pass %



Non HFRA Clearance Pass %



ANSI Quality Findings

Improper_Directional_Prune

Improper_Directi...

1

Total Trees Last Touched

1291

Overall RCD Pass %

95.45%

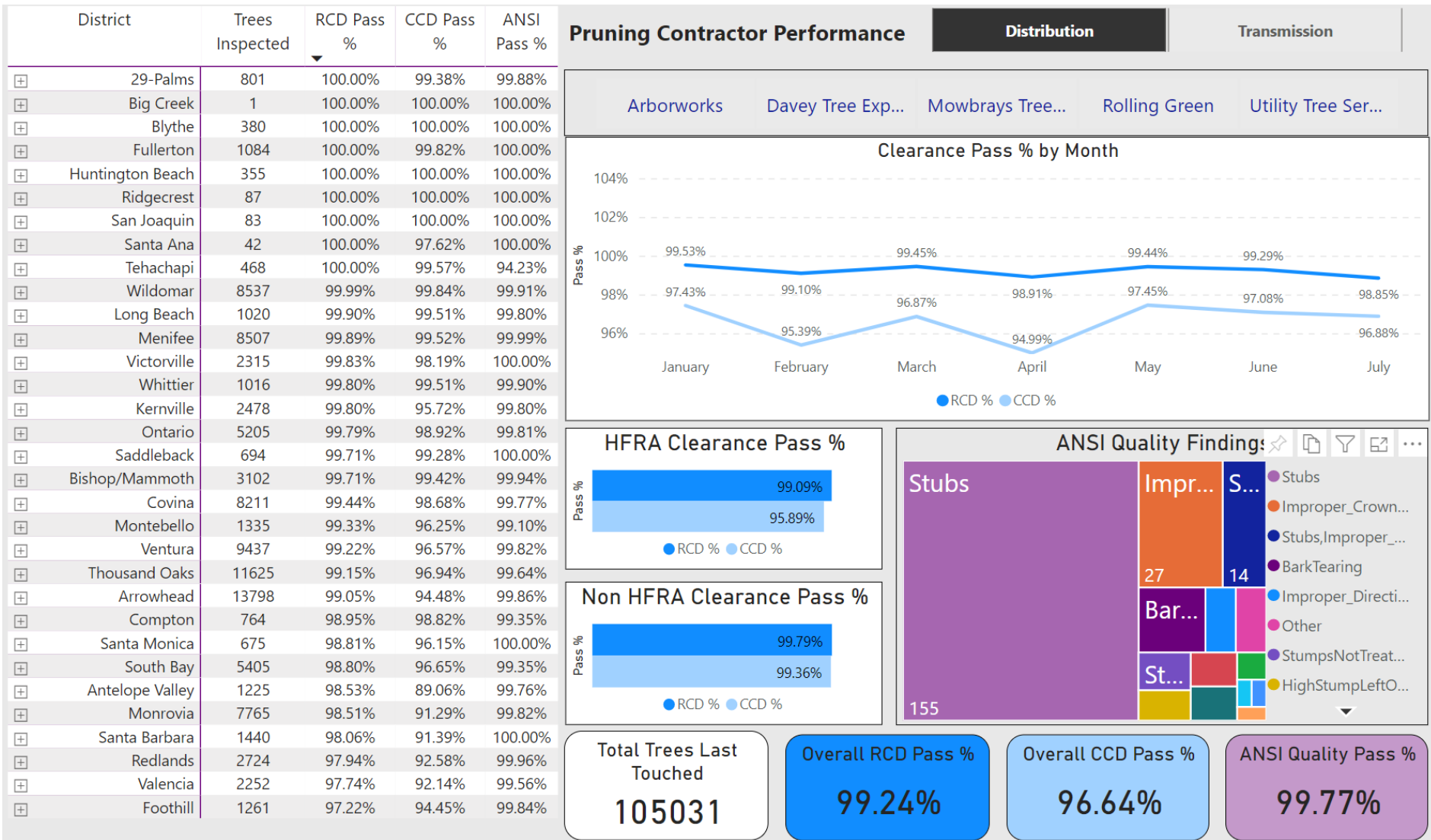
Overall CCD Pass %

83.59%

ANSI Quality Pass %

99.92%

Pruning Contractor – Overall Performance (Distribution)



Pruning Contractor – Arborworks (Distribution)

District	Trees Inspected	RCD Pass %	CCD Pass %	ANSI Pass %
29-Palms	801	100.00%	99.38%	99.88%
Blythe	380	100.00%	100.00%	100.00%
Ridgecrest	87	100.00%	100.00%	100.00%
Tehachapi	468	100.00%	99.57%	94.23%
Kernville	2478	99.80%	95.72%	99.80%
Bishop/Mammoth	3102	99.71%	99.42%	99.94%

Pruning Contractor Performance

Distribution

Transmission

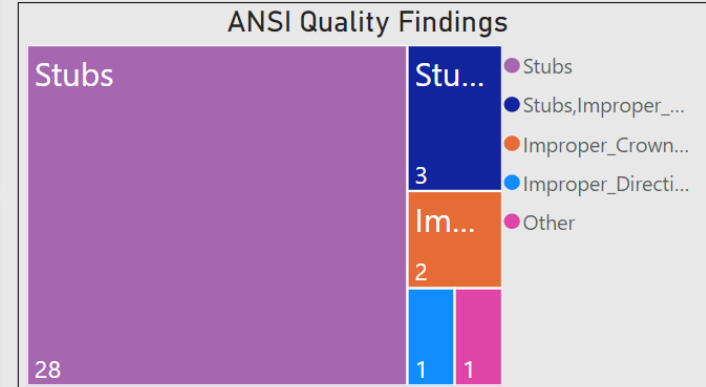
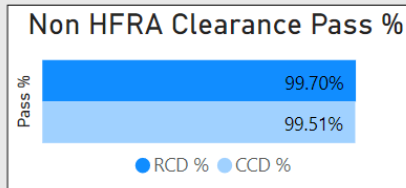
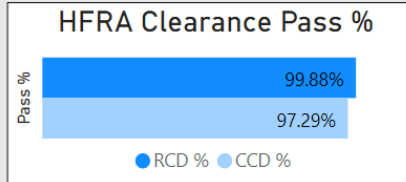
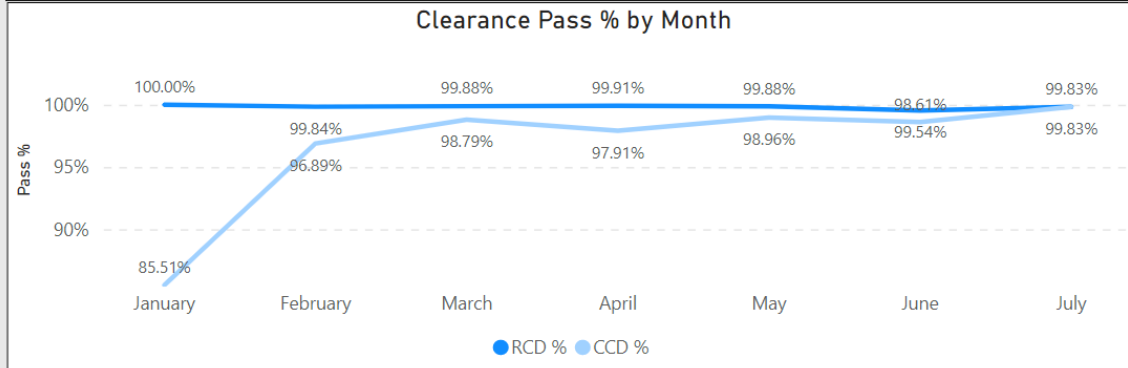
Arborworks

Davey Tree Exp...

Mowbrays Tree...

Rolling Green

Utility Tree Ser...



Total Trees Last Touched
7332

Overall RCD Pass %
99.81%

Overall CCD Pass %
98.21%

ANSI Quality Pass %
99.52%

Pruning Contractor – Davey Tree Experts (Distribution)

District	Trees Inspected	RCD Pass %	CCD Pass %	ANSI Pass %
Long Beach	1020	99.90%	99.51%	99.80%
Whittier	1016	99.80%	99.51%	99.90%
Compton	764	98.95%	98.82%	99.35%
Santa Monica	675	98.81%	96.15%	100.00%
South Bay	5405	98.80%	96.65%	99.35%

Pruning Contractor Performance

Distribution

Transmission

Arborworks

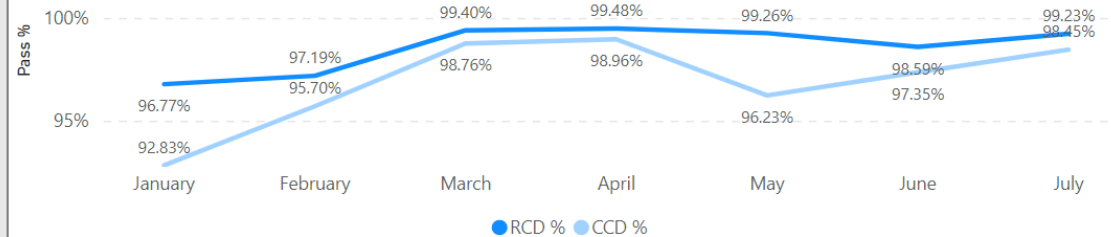
Davey Tree Exp...

Mowbrays Tree...

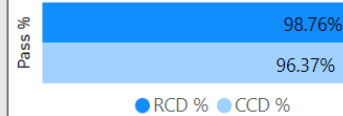
Rolling Green

Utility Tree Ser...

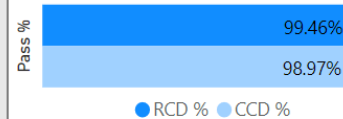
Clearance Pass % by Month



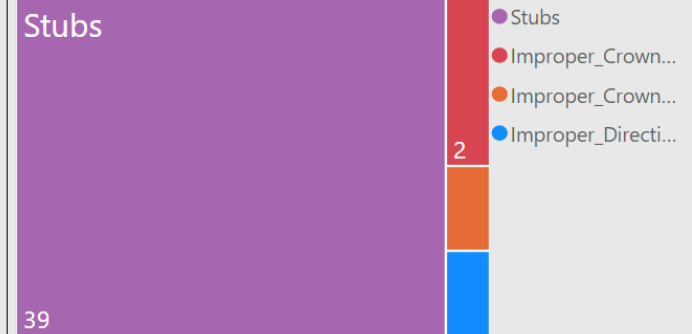
HFRA Clearance Pass %



Non HFRA Clearance Pass %



ANSI Quality Findings



Total Trees Last Touched

8970

Overall RCD Pass %

99.05%

Overall CCD Pass %

97.45%

ANSI Quality Pass %

99.52%

Pruning Contractor – Mowbrays Tree Service (Distribution)

District	Trees Inspected	RCD Pass %	CCD Pass %	ANSI Pass %
Big Creek	1	100.00%	100.00%	100.00%
San Joaquin	83	100.00%	100.00%	100.00%
Wildomar	8537	99.99%	99.84%	99.91%
Menifee	8507	99.89%	99.52%	99.99%
Victorville	2315	99.83%	98.19%	100.00%
Thousand Oaks	11625	99.15%	96.94%	99.64%
Arrowhead	13798	99.05%	94.48%	99.86%
Antelope Valley	1225	98.53%	89.06%	99.76%
Redlands	2724	97.94%	92.58%	99.96%
Valencia	2252	97.74%	92.14%	99.56%
Foothill	1261	97.22%	94.45%	99.84%

Pruning Contractor Performance

Distribution

Transmission

Arborworks

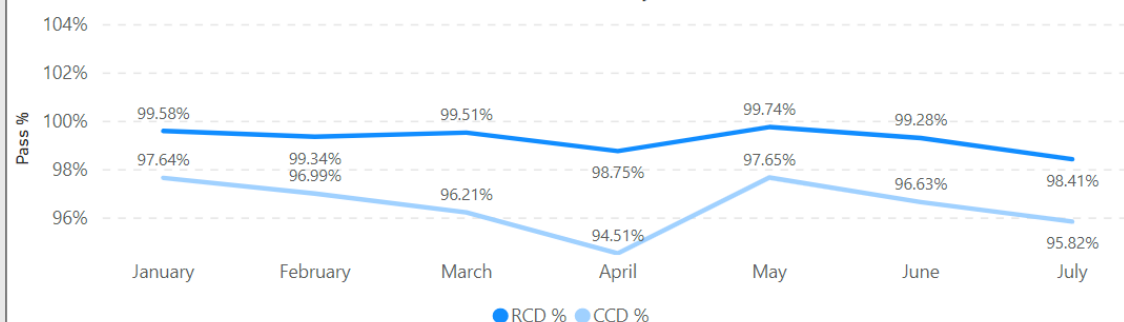
Davey Tree Exp...

Mowbrays Tree...

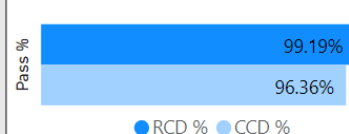
Rolling Green

Utility Tree Ser...

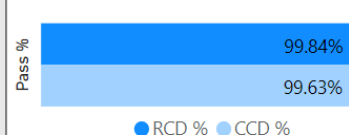
Clearance Pass % by Month



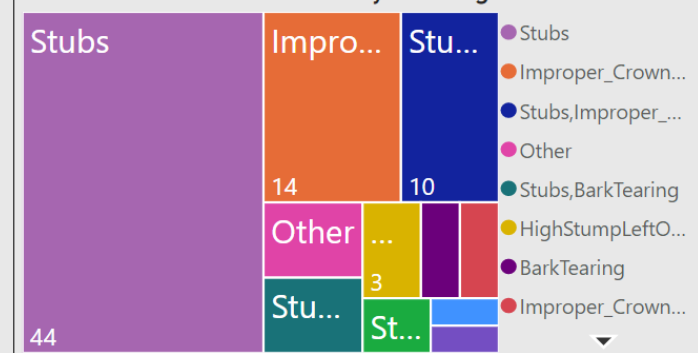
HFRA Clearance Pass %



Non HFRA Clearance Pass %



ANSI Quality Findings



Total Trees Last Touched

52949

Overall RCD Pass %

99.23%

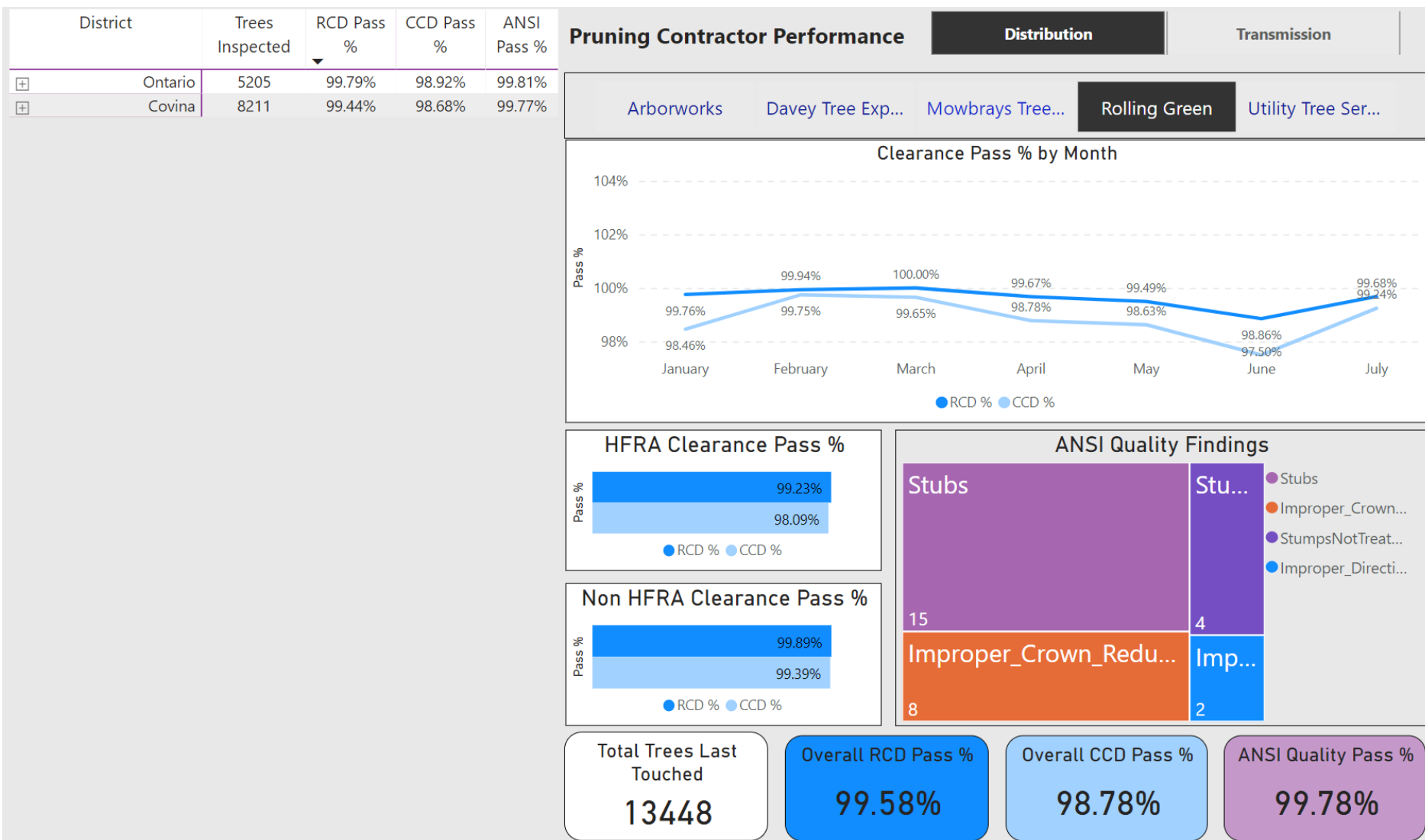
Overall CCD Pass %

96.56%

ANSI Quality Pass %

99.84%

Pruning Contractor – Rolling Green (Distribution)



Pruning Contractor – Utility Tree Service (Distribution)

District	Trees Inspected	RCD Pass %	CCD Pass %	ANSI Pass %
Fullerton	1084	100.00%	99.82%	100.00%
Huntington Beach	355	100.00%	100.00%	100.00%
Santa Ana	42	100.00%	97.62%	100.00%
Saddleback	694	99.71%	99.28%	100.00%
Montebello	1335	99.33%	96.25%	99.10%
Ventura	9437	99.22%	96.57%	99.82%
Monrovia	7765	98.51%	91.29%	99.82%
Santa Barbara	1440	98.06%	91.39%	100.00%

Pruning Contractor Performance

Distribution

Transmission

Arborworks

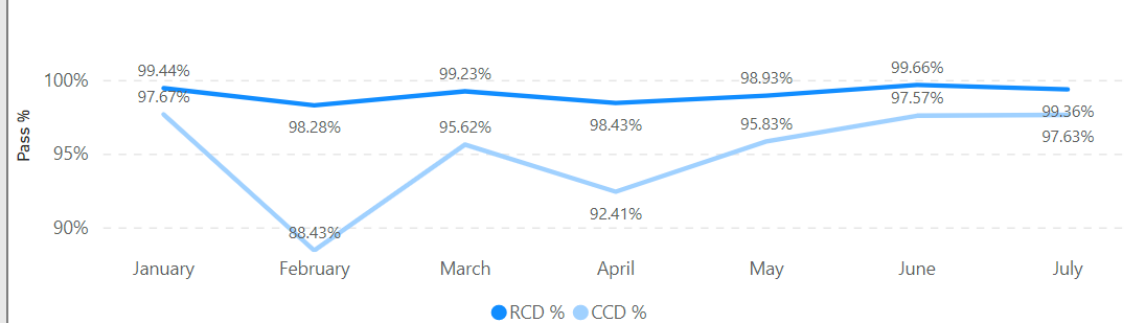
Davey Tree Exp...

Mowbrays Tree...

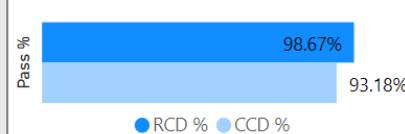
Rolling Green

Utility Tree Ser...

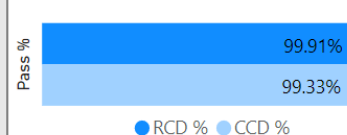
Clearance Pass % by Month



HFRA Clearance Pass %



Non HFRA Clearance Pass %



ANSI Quality Findings



Total Trees Last Touched

22332

Overall RCD Pass %

98.97%

Overall CCD Pass %

94.66%

ANSI Quality Pass %

99.80%

Inspection Contractor – Overall Performance (T&D)

District	Trees Inspected	RCD Failed Trees	RCD Pass %	Missed Tree Qty	Missed Tree Rate
29-Palms	516	0	100.00%	13	2.52%
Antelope Valley	2372	0	100.00%	149	6.28%
Big Creek	112	0	100.00%	0	0.00%
Blythe	206	0	100.00%	0	0.00%
Compton	130	0	100.00%	1	0.77%
Fullerton	790	0	100.00%	0	0.00%
Ridgecrest	42	0	100.00%	0	0.00%
San Joaquin	1646	0	100.00%	7	0.43%
Santa Ana	185	0	100.00%	0	0.00%
Wildomar	2279	0	100.00%	14	0.61%
Bishop/Mammoth	1652	1	99.94%	8	0.48%
Whittier	2455	3	99.88%	2	0.08%
Ontario	1860	3	99.84%	16	0.86%
Saddleback	434	1	99.77%	1	0.23%
Covina	2497	6	99.76%	33	1.32%
Montebello	413	1	99.76%	10	2.42%
South Bay	2713	8	99.71%	24	0.88%
Santa Monica	320	1	99.69%	0	0.00%
Tehachapi	309	1	99.68%	6	1.94%
Thousand Oaks	3688	12	99.67%	110	2.98%
Menifee	3049	10	99.67%	41	1.34%
Monrovia	3448	14	99.59%	105	3.05%
Ventura	5395	22	99.59%	86	1.59%
Huntington Beach	216	1	99.54%	0	0.00%
Kernville	4245	21	99.51%	288	6.78%
Valencia	1114	9	99.19%	73	6.55%
Victorville	418	4	99.04%	185	44.26%
Arrowhead	5112	50	99.02%	519	10.15%
Long Beach	289	3	98.96%	0	0.00%
Redlands	1463	20	98.63%	59	4.03%
Santa Barbara	2843	50	98.24%	31	1.09%

Inspection Contractor Performance

Distribution

Transmission

ACRT

CNUC

Davey

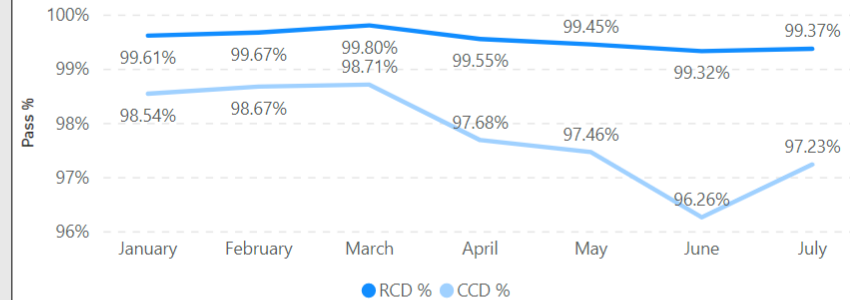
UPE

Total Trees
Last Touched
79721

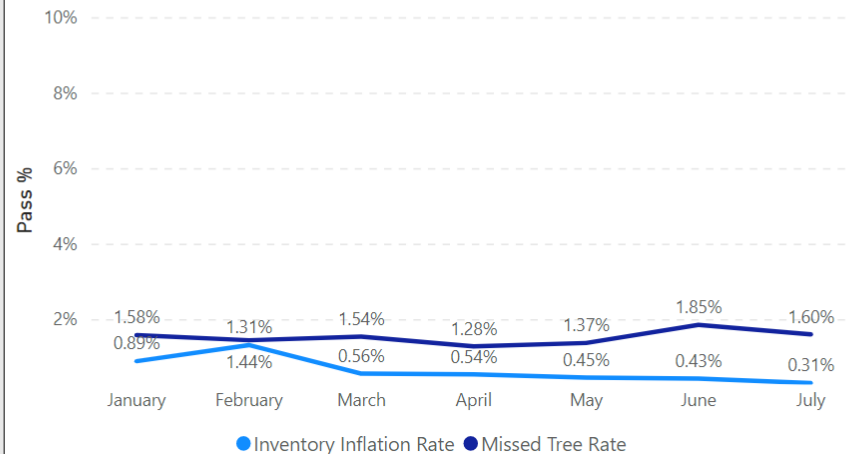
Overall RCD
Pass %
99.54%

Overall CCD
Pass %
97.75%

Clearance Pass % by Month



Inspection Accuracy Rates by Month



Total Trees
QC'd
192324

Missed Rate
1.51%

Inflation Rate
0.62%

Work Type
Accuracy
98.96%

Species ID
99.27%

- Missed Tree Quantity: Amount of trees identified by QC but not listed in VM tree database
- Inventory Inflation Quantity: Amount of trees listed in VM database but not located in the field

Inspection Contractor – YTD Missed Tree Trend (Transmission)

District	Trees Inspected	RCD Failed Trees	RCD Pass %	Missed Tree Qty	Missed Tree Rate
Antelope Valley	220	0	100.00%	0	0.00%
Meniffee	86	0	100.00%	0	0.00%
Ontario	194	0	100.00%	0	0.00%
Santa Barbara	588	0	100.00%	0	0.00%
Thousand Oaks	94	0	100.00%	0	0.00%
Valencia	193	0	100.00%	3	1.55%
Ventura	122	0	100.00%	0	0.00%
Victorville	59	0	100.00%	2	3.39%
Saddleback	238	1	99.58%	0	0.00%
Monrovia	674	3	99.55%	11	1.63%

Inspection Contractor Performance

Distribution

Transmission

ACRT

CNUC

Davey

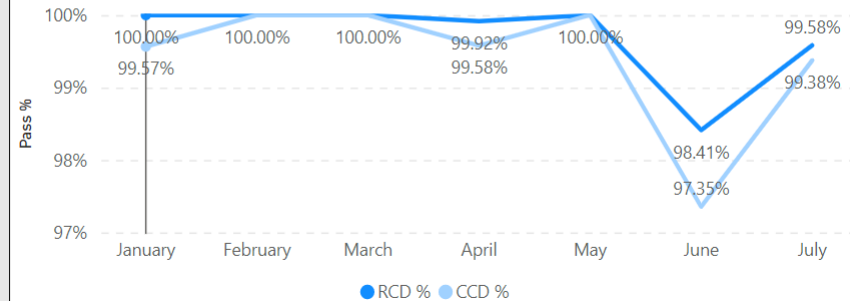
UPE

Total Trees Last Touched
3895

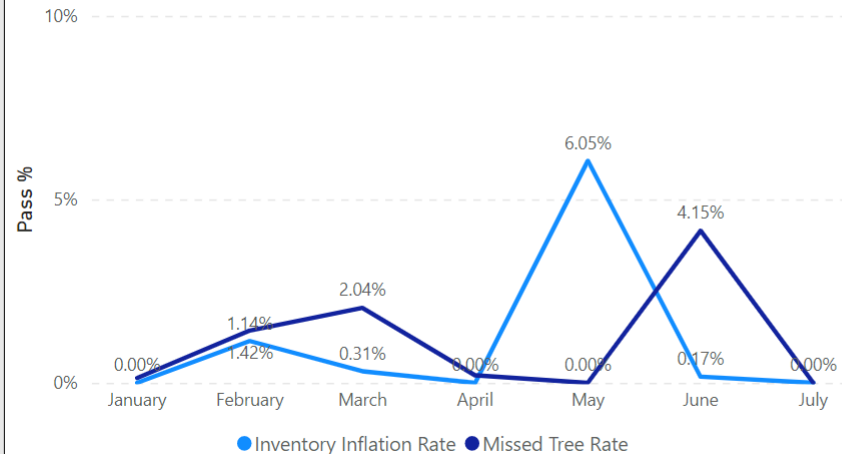
Overall RCD Pass %
99.84%

Overall CCD Pass %
99.52%

Clearance Pass % by Month



Inspection Accuracy Rates by Month



Total Trees QC'd
8376

Missed Rate
0.74%

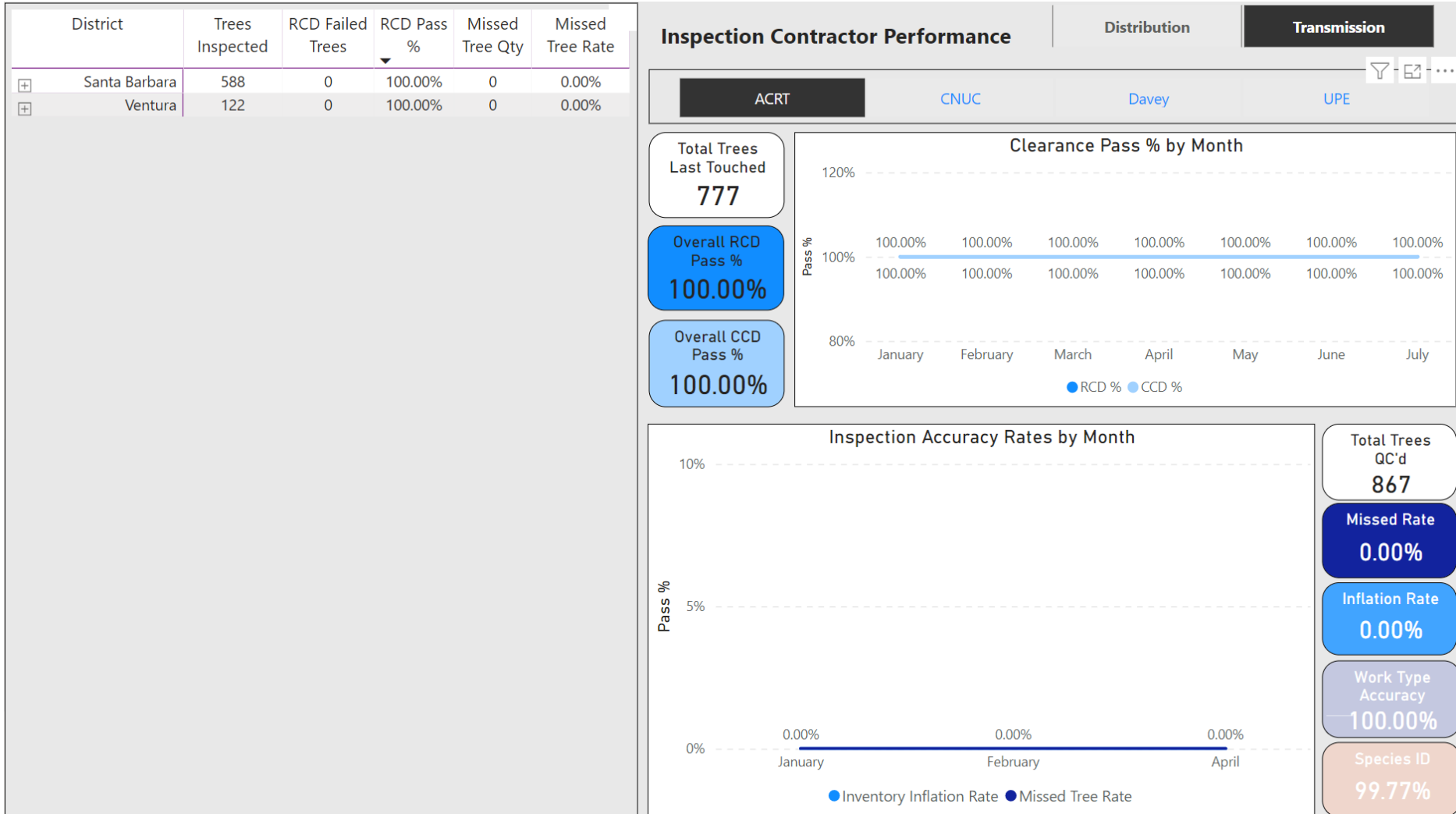
Inflation Rate
0.33%

Work Type Accuracy
99.47%

Species ID
99.76%

- Missed Tree Quantity: Amount of trees identified by QC but not listed in VM tree database
- Inventory Inflation Quantity: Amount of trees listed in VM database but not located in the field

Inspection Contractor – ACRT (Transmission)



- Missed Tree Quantity: Amount of trees identified by QC but not listed in VM tree database
- Inventory Inflation Quantity: Amount of trees listed in VM database but not located in the field

Inspection Contractor – CNUC (Transmission)

District	Trees Inspected	RCD Failed Trees	RCD Pass %	Missed Tree Qty	Missed Tree Rate
Menifee	86	0	100.00%	0	0.00%
Ontario	194	0	100.00%	0	0.00%
Victorville	59	0	100.00%	2	3.39%
Saddleback	238	1	99.58%	0	0.00%
Monrovia	674	3	99.55%	11	1.63%

Inspection Contractor Performance

Distribution

Transmission

ACRT

CNUC

Davey

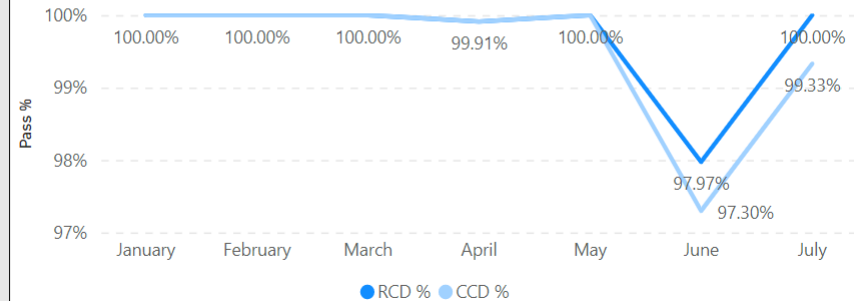
UPE

Total Trees
Last Touched
2083

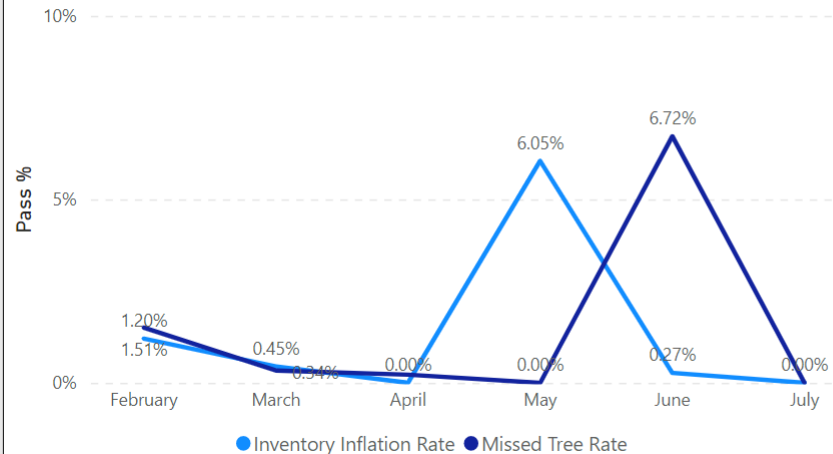
Overall RCD
Pass %
99.81%

Overall CCD
Pass %
99.71%

Clearance Pass % by Month



Inspection Accuracy Rates by Month



Total Trees
QC'd
4051

Missed Rate
0.91%

Inflation Rate
0.69%

Work Type
Accuracy
98.99%

Species ID
99.61%

- Missed Tree Quantity: Amount of trees identified by QC but not listed in VM tree database
- Inventory Inflation Quantity: Amount of trees listed in VM database but not located in the field

Inspection Contractor – Davey (Transmission)

When tree quantity inspected is less than 100, this table is blank

Inspection Contractor Performance

Distribution

Transmission

ACRT

CNUC

Davey

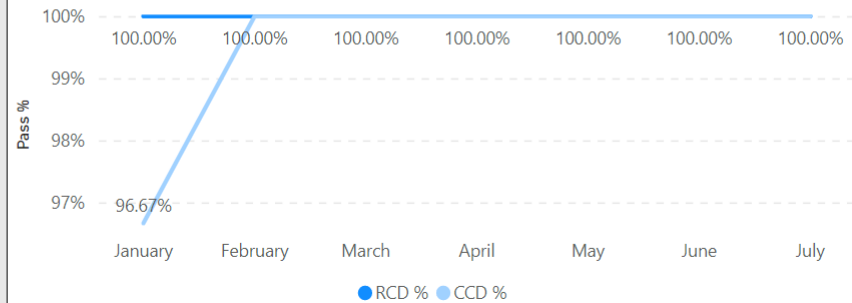
UPE

Total Trees
Last Touched
59

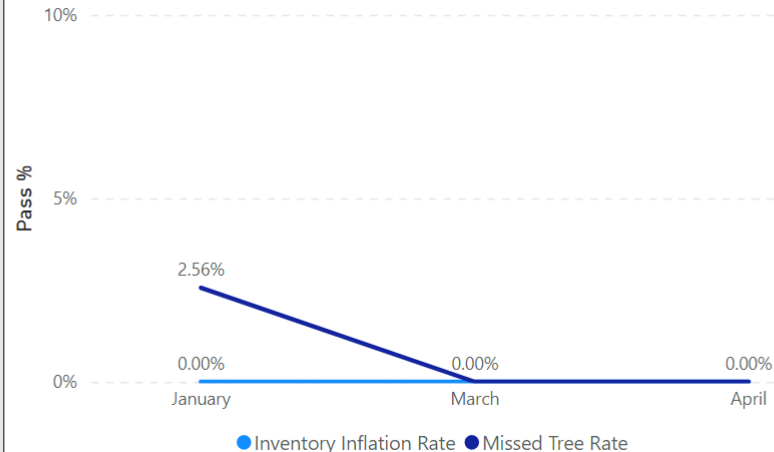
Overall RCD
Pass %
100.00%

Overall CCD
Pass %
98.31%

Clearance Pass % by Month



Inspection Accuracy Rates by Month



Total Trees
QC'd
221

Missed Rate
0.90%

Inflation Rate
0.00%

Work Type
Accuracy
98.64%

Species ID
99.55%

- Missed Tree Quantity: Amount of trees identified by QC but not listed in VM tree database
- Inventory Inflation Quantity: Amount of trees listed in VM database but not located in the field

Inspection Contractor – UPE (Transmission)

District	Trees Inspected	RCD Failed Trees	RCD Pass %	Missed Tree Qty	Missed Tree Rate
Antelope Valley	220	0	100.00%	0	0.00%
Thousand Oaks	94	0	100.00%	0	0.00%
Valencia	193	0	100.00%	3	1.55%

Inspection Contractor Performance

Distribution

Transmission

ACRT

CNUC

Davey

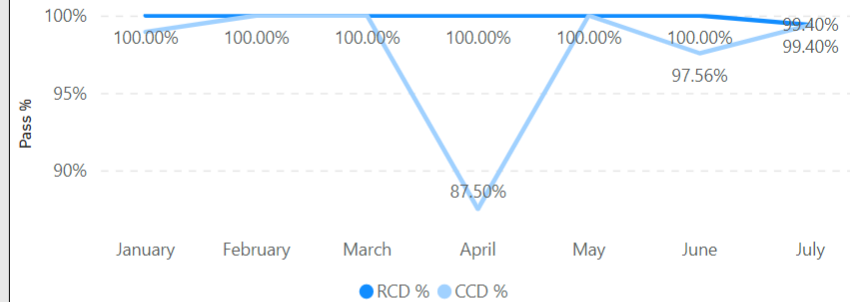
UPE

Total Trees Last Touched
976

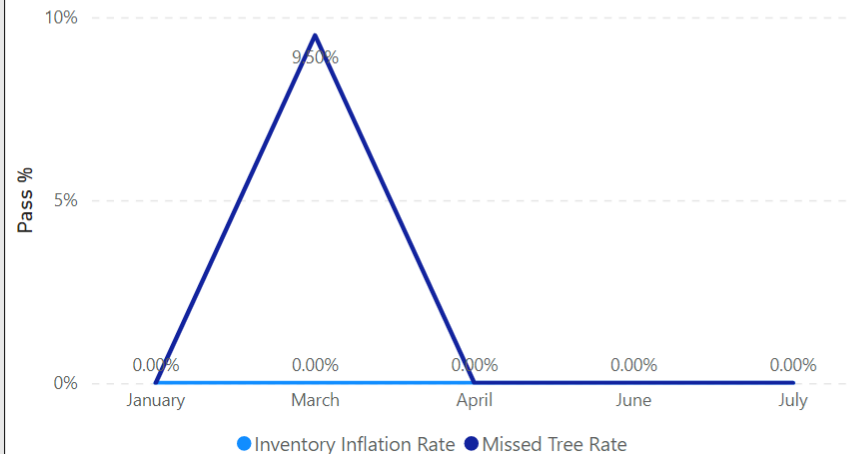
Overall RCD Pass %
99.77%

Overall CCD Pass %
98.74%

Clearance Pass % by Month



Inspection Accuracy Rates by Month



Total Trees QC'd
3237

Missed Rate
0.71%

Inflation Rate
0.00%

Work Type Accuracy
100.00%

Species ID
99.97%

- Missed Tree Quantity: Amount of trees identified by QC but not listed in VM tree database
- Inventory Inflation Quantity: Amount of trees listed in VM database but not located in the field

Inspection Contractor – YTD Missed Tree Trend (Distribution)

District	Trees Inspected	RCD Failed Trees	RCD Pass %	Missed Tree Qty	Missed Tree Rate
29-Palms	516	0	100.00%	13	2.52%
Antelope Valley	2152	0	100.00%	149	6.92%
Big Creek	112	0	100.00%	0	0.00%
Blythe	206	0	100.00%	0	0.00%
Compton	130	0	100.00%	1	0.77%
Fullerton	790	0	100.00%	0	0.00%
Ridgecrest	42	0	100.00%	0	0.00%
Saddleback	196	0	100.00%	1	0.51%
San Joaquin	1646	0	100.00%	7	0.43%
Santa Ana	185	0	100.00%	0	0.00%
Wildomar	2279	0	100.00%	14	0.61%
Bishop/Mammoth	1652	1	99.94%	8	0.48%
Whittier	2455	3	99.88%	2	0.08%
Ontario	1666	3	99.82%	16	0.96%
Covina	2497	6	99.76%	33	1.32%
Montebello	413	1	99.76%	10	2.42%
South Bay	2713	8	99.71%	24	0.88%
Santa Monica	320	1	99.69%	0	0.00%
Tehachapi	309	1	99.68%	6	1.94%
Thousand Oaks	3594	12	99.67%	110	3.06%
Menifee	2963	10	99.66%	41	1.38%
Monrovia	2774	11	99.60%	94	3.39%
Ventura	5273	22	99.58%	86	1.63%
Huntington Beach	216	1	99.54%	0	0.00%
Kernville	4245	21	99.51%	288	6.78%
Valencia	921	9	99.02%	70	7.60%
Arrowhead	5112	50	99.02%	519	10.15%
Long Beach	289	3	98.96%	0	0.00%
Victorville	359	4	98.89%	183	50.97%
Redlands	1463	20	98.63%	59	4.03%
Santa Barbara	2255	50	97.78%	31	1.37%

Inspection Contractor Performance

Distribution

Transmission

ACRT

CNUC

Davey

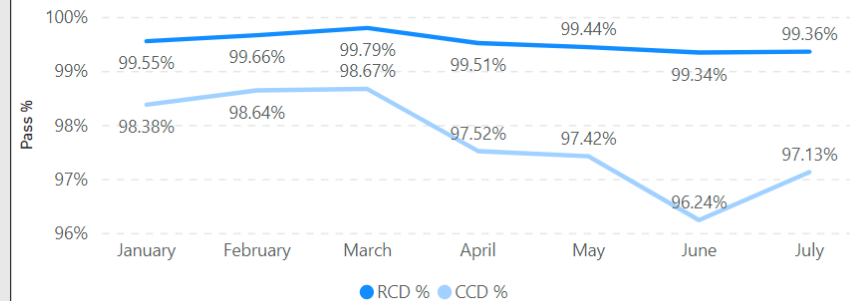
UPE

Total Trees
Last Touched
75716

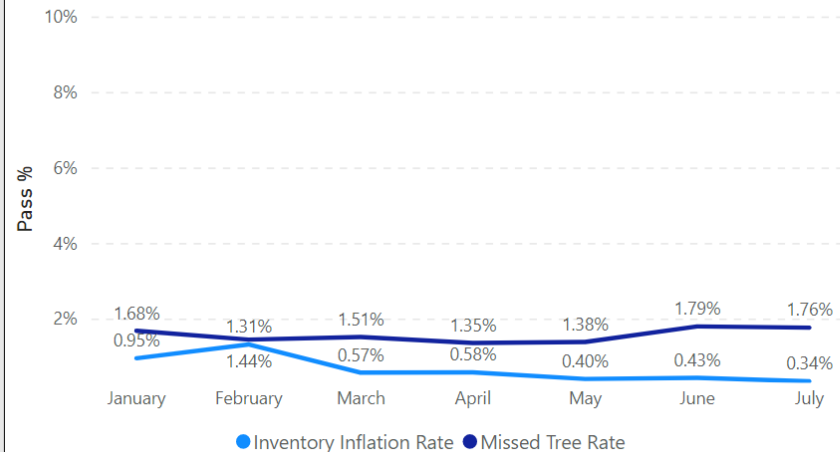
Overall RCD
Pass %
99.52%

Overall CCD
Pass %
97.66%

Clearance Pass % by Month



Inspection Accuracy Rates by Month



Total Trees
QC'd
183838

Missed Rate
1.54%

Inflation Rate
0.63%

Work Type
Accuracy
98.94%

Species ID
99.25%

- Missed Tree Quantity: Amount of trees identified by QC but not listed in VM tree database
- Inventory Inflation Quantity: Amount of trees listed in VM database but not located in the field

Inspection Contractor – ACRT (Distribution)

District	Trees Inspected	RCD Failed Trees	RCD Pass %	Missed Tree Qty	Missed Tree Rate
+ 29-Palms	516	0	100.00%	13	2.52%
+ Big Creek	112	0	100.00%	0	0.00%
+ Blythe	206	0	100.00%	0	0.00%
+ Ridgecrest	42	0	100.00%	0	0.00%
+ San Joaquin	1646	0	100.00%	7	0.43%
+ Bishop/Mammoth	1652	1	99.94%	8	0.48%
+ Tehachapi	309	1	99.68%	6	1.94%
+ Ventura	5273	22	99.58%	86	1.63%
+ Kernville	4245	21	99.51%	288	6.78%
+ Santa Barbara	2255	50	97.78%	31	1.37%

Inspection Contractor Performance

Distribution

Transmission

ACRT

CNUC

Davey

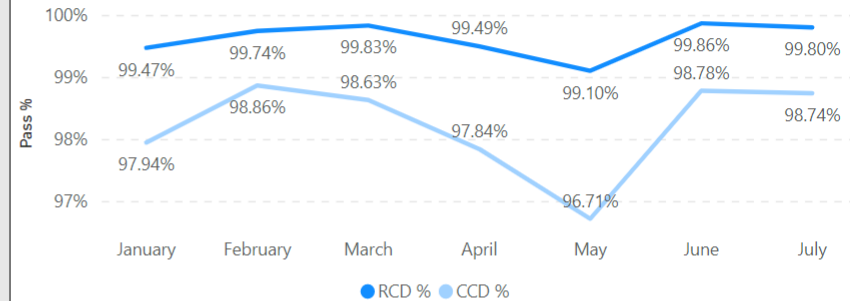
UPE

Total Trees
Last Touched
23485

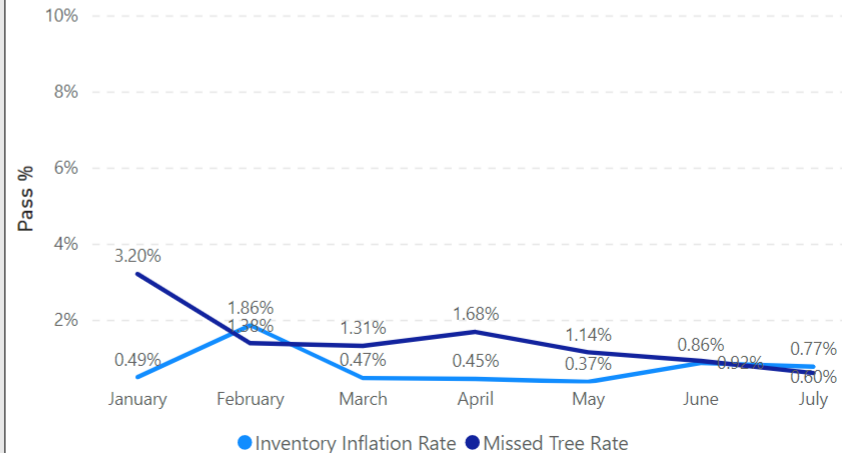
Overall RCD
Pass %
99.55%

Overall CCD
Pass %
98.00%

Clearance Pass % by Month



Inspection Accuracy Rates by Month



Total Trees
QC'd
42579

Missed Rate
1.43%

Inflation Rate
0.63%

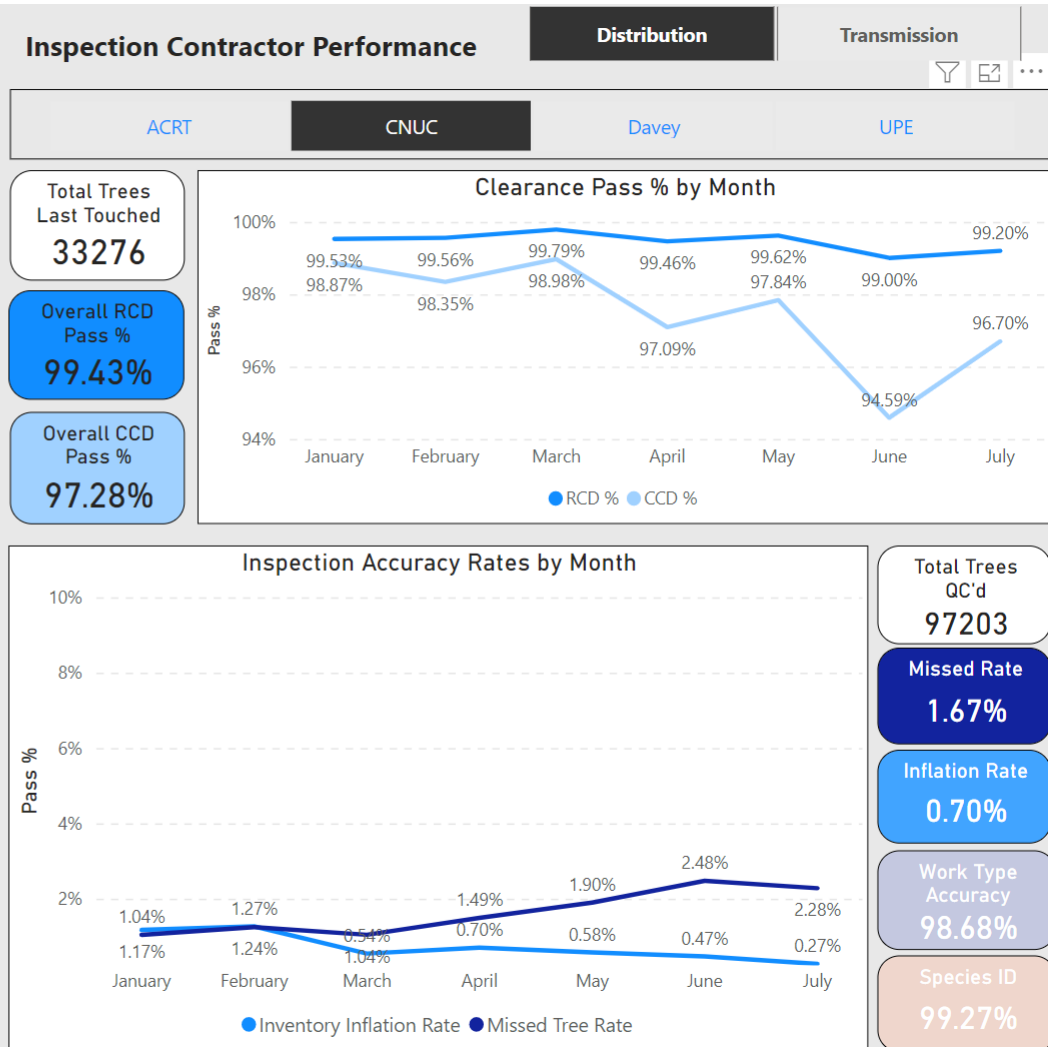
Work Type
Accuracy
99.95%

Species ID
99.55%

- Missed Tree Quantity: Amount of trees identified by QC but not listed in VM tree database
- Inventory Inflation Quantity: Amount of trees listed in VM database but not located in the field

Inspection Contractor – CNUC (Distribution)

District	Trees Inspected	RCD Failed Trees	RCD Pass %	Missed Tree Qty	Missed Tree Rate
Fullerton	790	0	100.00%	0	0.00%
Saddleback	196	0	100.00%	1	0.51%
Santa Ana	185	0	100.00%	0	0.00%
Wildomar	2279	0	100.00%	14	0.61%
Ontario	1666	3	99.82%	16	0.96%
Covina	2497	6	99.76%	33	1.32%
Montebello	413	1	99.76%	10	2.42%
Menifee	2963	10	99.66%	41	1.38%
Monrovia	2774	11	99.60%	94	3.39%
Huntington Beach	216	1	99.54%	0	0.00%
Arrowhead	5112	50	99.02%	519	10.15%
Victorville	359	4	98.89%	183	50.97%
Redlands	1463	20	98.63%	59	4.03%
Foothill	314	8	97.45%	40	12.74%



- Missed Tree Quantity: Amount of trees identified by QC but not listed in VM tree database
- Inventory Inflation Quantity: Amount of trees listed in VM database but not located in the field

Inspection Contractor – Davey (Distribution)

District	Trees Inspected	RCD Failed Trees	RCD Pass %	Missed Tree Qty	Missed Tree Rate
+ Compton	130	0	100.00%	1	0.77%
+ Whittier	2455	3	99.88%	2	0.08%
+ South Bay	2713	8	99.71%	24	0.88%
+ Santa Monica	320	1	99.69%	0	0.00%
+ Long Beach	289	3	98.96%	0	0.00%

Inspection Contractor Performance

Distribution

Transmission

ACRT

CNUC

Davey

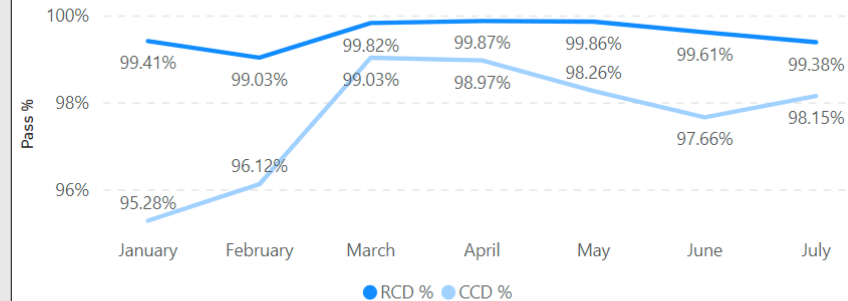
UPE

Total Trees Last Touched
7241

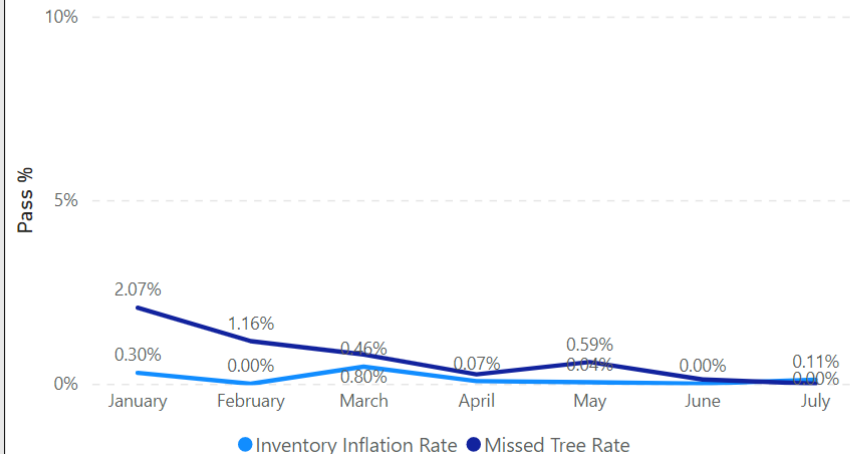
Overall RCD Pass %
99.76%

Overall CCD Pass %
98.42%

Clearance Pass % by Month



Inspection Accuracy Rates by Month



Total Trees QC'd
16605

Missed Rate
0.64%

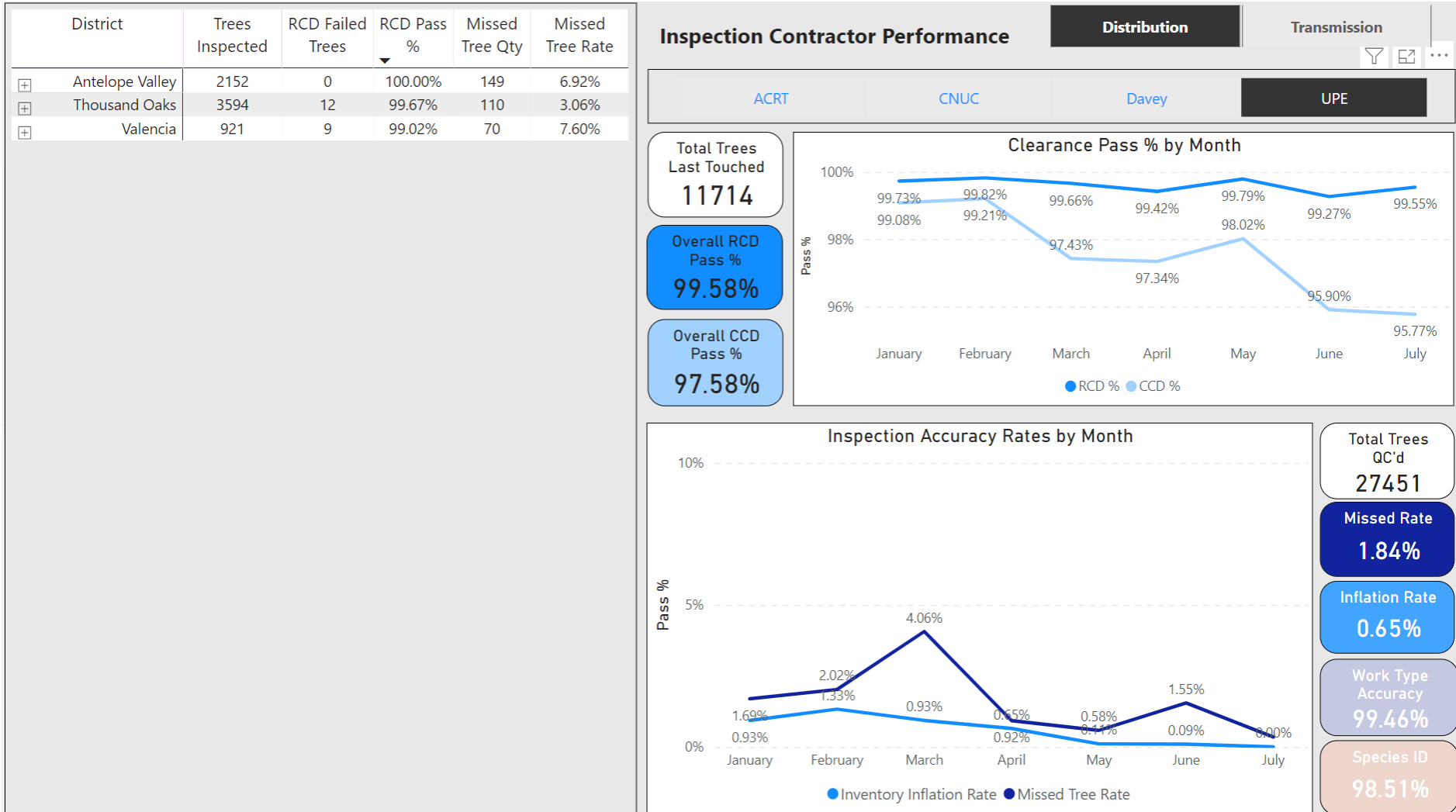
Inflation Rate
0.19%

Work Type Accuracy
97.01%

Species ID
99.57%

- Missed Tree Quantity: Amount of trees identified by QC but not listed in VM tree database
- Inventory Inflation Quantity: Amount of trees listed in VM database but not located in the field

Inspection Contractor – UPE (Distribution)



- Missed Tree Quantity: Amount of trees identified by QC but not listed in VM tree database
- Inventory Inflation Quantity: Amount of trees listed in VM database but not located in the field