

**APPENDIX E**  
**SELECTED PHOTOGRAPHS FROM CAMERA STUDY**

Page Intentionally Left Blank

## **Appendix E.1 Example Photographs from QA/QC Process**

This appendix includes a sample of photographs that were reviewed during the camera study for quality assurance and quality control (QA/QC) purposes. The sample includes photographs where the artificial intelligence (AI) tool correctly identified objects, instances with slight object miscounts by the AI tool, as well as examples of misidentification of objects by the AI tool. Each photograph includes the AI tool output and the updated output after human validation. Section 4.4.4, *Performance Validation*, provides additional information about the data validation and QA/QC process.

**CAMERA 1: JOHNSONDALE BRIDGE RIVER ACCESS**



CEYOMUR 100% 2025/03/07 15:15:00 11C 51F JHNBG

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	1	2	1	0	0	0	1	0
Human Validation	1	3	1	0	0	0	1	0



CEYOMUR 100% 2025/06/11 13:40:00 27C 80F JHNBG

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	0	4	0	0	0	0	0	0
Human Validation	0	5	1	0	0	1	0	0



CEYOMUR 100% 2025/06/11 13:45:00 27C 80F JHNBG

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	5	4	1	0	0	1	0	0
Human Validation	7	5	2	0	0	2	0	0



CEYOMUR 100% 2025/06/11 13:50:00 27C 80F JHNBG

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	7	4	2	0	0	2	0	0
Human Validation	7	4	2	0	0	2	0	0



CEYOMUR 100% 2025/06/11 14:05:00 28C 82F JHNBG

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	12	4	2	0	0	2	0	0
Human Validation	10	4	2	0	0	2	0	0



CEYOMUR 100% 2025/03/08 12:25:00 12C 53F JHNBG

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	3	0	3	1	0	0	2	0
Human Validation	3	10	4	2	0	0	2	0



CEYOMUR 100% 2025/03/08 14:15:00 15C 59F JHNBG

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	1	2	0	0	0	0	0	0
Human Validation	4	10	2	0	0	1	1	0



CEYOMUR 100% 2025/03/08 14:20:00 15C 59F JHNBG

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	12	0	2	0	0	2	0	0
Human Validation	13	8	3	0	0	2	1	0

**CAMERA 2: BRUSH CREEK DISPERSED CAMPING**



CEYOMUR 100% 2025/02/24 17:50:00 16C 60F BRUSH

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	0	7	0	0	0	0	0	0
Human Validation	0	0	0	0	0	0	0	0



CEYOMUR 100% 2025/06/11 12:00:00 31C 87F BRUSH

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	0	2	0	0	0	0	0	0
Human Validation	0	2	0	0	0	0	0	0

**CAMERA 3: WILLOW POINT WHITEWATER TAKE-OUT**



CEYOMJR 100% 2025/03/23 14:50:01 26C 78F WPWW

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	2	5	1	1	0	0	0	0
Human Validation	2	5	2	0	0	0	2	0



CEYOMJR 100% 2025/03/08 15:20:00 16C 60F WPWW

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	0	1	2	0	0	2	0	0
Human Validation	7+	1	2	0	0	2	0	0

**CAMERA 4: UPSTREAM OF ROADS END PICNIC SITE AND WHITEWATER PUT-IN**



CEYOMJR 100% 2025/06/07 14:15:00 33C 91F RDSWW

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	5	3	0	0	0	0	0	0
Human Validation	5	3	0	0	0	0	0	0



CEYOMJR 100% 2025/06/15 12:55:00 33C 91F RDSWW

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	0	1	0	0	0	3	0	0
Human Validation	0	0	0	0	0	0	0	0

**CAMERA 5: ROADS END PICNIC SITE AND WHITEWATER PUT-IN**



	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	4	2	2	1	0	0	1	0
Human Validation	3	2	2	0	2	0	0	0



	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	6	6	3	0	0	0	2	1
Human Validation	5	8	4	0	0	0	0	4



	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	3	5	4	0	0	0	4	0
Human Validation	3	5	6	0	0	0	0	6

**CAMERA 6: CALKINS FLAT DISPERSED CAMPING**



CEYOMUR 100% 2025/04/26 11:45:00 7C 44F CLKNFT

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	2	5	2	2	0	0	0	0
Human Validation	2	7	5	4	0	0	0	0



CEYOMUR 100% 2025/04/26 11:50:00 7C 44F CLKNFT

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	4	5	4	3	0	0	1	0
Human Validation	3	7	5	5	0	0	0	0



CEYOMUR 100% 2025/06/05 12:50:00 27C 80F CLKNFT

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	5	3	4	4	0	0	0	0
Human Validation	5	5	5	5	0	0	0	0



CEYOMUR 100% 2025/06/06 10:00:00 24C 75F CLKNET

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	0	6	0	0	0	0	0	0
Human Validation	0	9	0	0	0	0	0	0



CEYOMUR 100% 2025/09/13 07:00:01 11C 51F CLKNET

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	0	29	2	2	0	0	0	0
Human Validation	0	29	0	0	0	0	0	0

**CAMERA 7: CHAMISE GORGE RUN**



CEYOMUR 100% 2025/05/25 18:55:00 31C 87F CHAMRUN

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	7	0	7	7	0	0	0	0
Human Validation	0	0	0	0	0	0	0	0



CEYOMUR 100% 2025/05/24 12:00:00 25C 77F CHAMRUN

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	0	0	2	2	0	0	0	0
Human Validation	0	0	0	0	0	0	0	0



CEYOMUR 100% 2025/05/24 14:45:00 30C 86F CHAMRUN

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	6	0	6	5	0	0	1	0
Human Validation	6	0	6	5	0	0	1	0



CEYOMUR C 100% 2025/05/24 15:55:00 31C 87F CHAMRUN

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	4	0	4	2	0	0	2	0
Human Validation	4	0	4	3	0	0	1	0

**CAMERA 8: ANT CANYON DISPERSED CAMPING**



CEYOMUR ● 100% 2025/05/17 11:50:00 17C 62F ANT

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	0	3	5	5	0	0	0	0
Human Validation	0	7	3	3	0	0	0	0



CEYOMUR 100% 2025/06/06 12:55:00 29C 84F ANT

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	0	4	2	0	0	0	2	0
Human Validation	4	1	4	0	0	4	0	0



CEYOMUR 100% 2025/09/07 11:55:00 30C 86F ANT

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	0	3	1	0	0	1	0	0
Human Validation	0	3	0	0	0	0	0	0



CEYOMUR 100% 2025/09/30 11:05:00 23C 73F ANT

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	0	2	1	1	0	0	0	0
Human Validation	0	1	0	0	0	0	0	0



CEYOMUR 100% 2025/10/04 09:25:00 23C 73F ANT

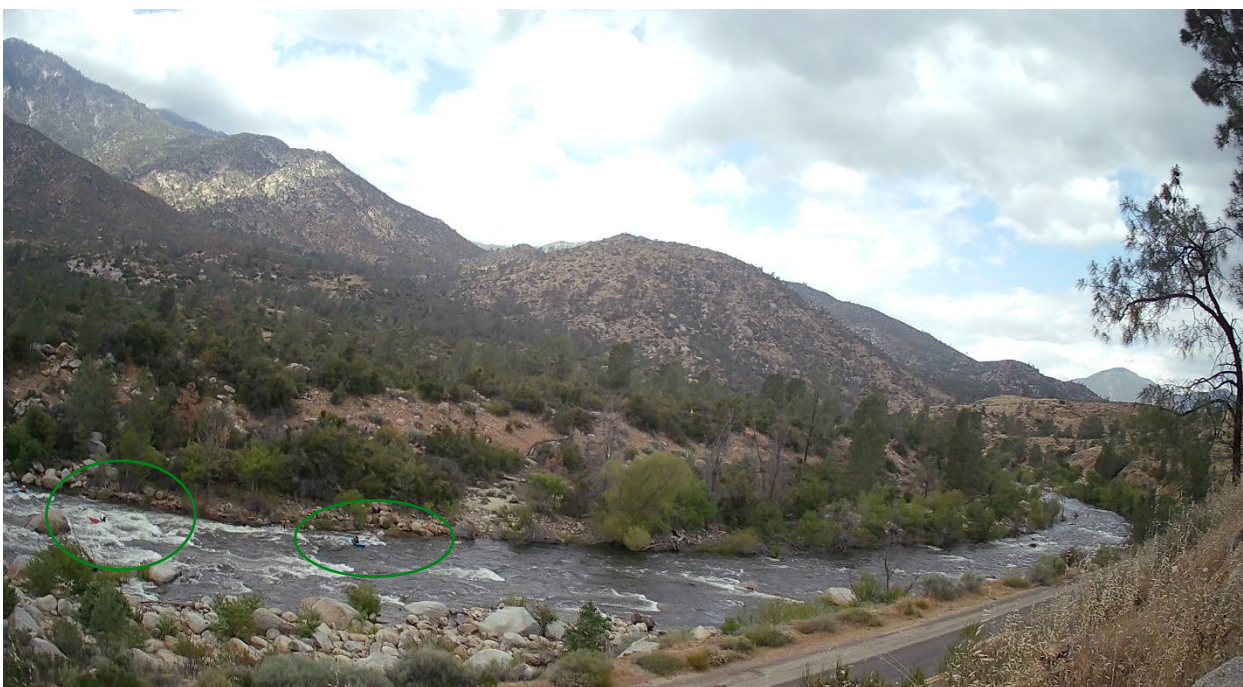
	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	0	2	4	0	0	0	4	0
Human Validation	0	5	0	0	0	0	0	0

**CAMERA 9: NFKR GOLD LEDGE RUN**



CEYOMUR 100% 2025/05/07 15:22:34 29C 84F SPGHLRUN

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	10	0	3	1	0	2	0	0
Human Validation	7	0	4	2	0	1	2	0



CEYOMUR 100% 2025/05/17 12:40:00 16C 60F SPGHLRUN

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	4	0	4	4	0	0	0	0
Human Validation	2	0	2	2	0	0	0	0

**CAMERA 10: CORRAL CREEK PICNIC SITE AND WHITEWATER TAKE-OUT**



CEYOMUR 100% 2025/06/15 14:45:00 36C 96F CRLWW

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg Rafts	Sm. Rafts	Other
AI Tool Output	1	9	0	0	0	0	0	0
Human Validation	0	11	0	0	0	0	0	0



CEYOMUR 100% 2025/05/13 15:53:55 17C 62F CRLWW

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg Rafts	Sm. Rafts	Other
AI Tool Output	2	1	3	3	0	0	0	0
Human Validation	2	1	3	3	0	0	0	0



CEYOMUR 100% 2025/05/13 16:58:55 17C 62F CRLWW

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg Rafts	Sm. Rafts	Other
AI Tool Output	8	2	9	2	0	2	3	2
Human Validation	11	3	9	1	0	5	3	0

**CAMERA 11: THUNDERBIRD WHITEWATER PUT-IN/TAKE-OUT**



CEYOMJR ○ 100% 2025/04/26 12:05:00 9C 48F THBDWW

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	0	3	3	0	0	3	0	0
Human Validation	0	2	4	0	0	4	0	0



CEYOMJR ○ 100% 2025/04/26 12:10:00 8C 46F THBDWW

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	3	1	2	0	0	2	0	0
Human Validation	2	1	3	0	0	3	0	0

**CAMERA 12: CAMP 3 WHITEWATER PUT-IN/TAKE-OUT**



CEYOMUR 100% 2025/06/07 12:35:01 35C 95F CMP3WW

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	3	3	1	0	0	1	0	0
Human Validation	6	3	1	0	0	1	0	0

**CAMERA 13: RIVERKERN BEACH PICNIC SITE**



CEYOMUR 100% 2025/04/26 09:45:00 11C 51F RVKRB

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	3	3	0	0	0	0	0	0
Human Validation	2	1	4	0	0	4	0	0



CEYOMUR 100% 2025/04/26 09:50:00 11C 51F RVKRB

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	6	2	3	0	0	2	0	1
Human Validation	8	1	3	0	0	3	0	0



CEYOMUR 100% 2025/05/24 14:40:00 29C 84F RVKRB

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	10	9	8	2	0	6	0	0
Human Validation	9	13	9	4	0	4	1	0

**CAMERA 14: NFKR ABOVE KR3 POWERHOUSE**



CEYOMUR 100% 2025/06/17 17:35:00 38C 100F KR3PHRUN

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	0	0	2	0	0	0	2	0
Human Validation	3	0	3	1	0	0	2	0



CEYOMUR 100% 2025/04/26 11:55:00 9C 48F KR3PHRUN

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	13	0	2	0	0	2	0	0
Human Validation	13	0	2	0	0	2	0	0



CEYOMUR 100% 2025/04/26 16:25:00 10C 50F KR3PHRUN

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	2	0	2	2	0	0	0	0
Human Validation	2	0	2	2	0	0	0	0



CEYOMUR 100% 2025/08/23 16:00:00 33C 91F KR3PHRUN

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	0	0	2	0	0	0	2	0
Human Validation	2	0	2	0	0	0	2	0

**CAMERA 17: KR3 POWERHOUSE WHITEWATER PUT-IN/TAKE-OUT (NORTH-UPSTREAM VIEW)**



CEYOMUR 100% 2025/06/07 12:20:00 33C 91F KR3PHN2

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	0	4	4	0	0	4	0	0
Human Validation	10+	9	4	0	0	4	0	0



CEYOMUR 100% 2025/08/01 12:20:00 32C 89F KR3PHN2

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	7	5	1	1	0	0	0	0
Human Validation	7	5	15	0	0	0	0	15



CEYOMUR 95% 2025/09/03 10:05:01 28C 82F KR3PHN2

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	0	0	10	0	0	0	10	0
Human Validation	0	0	0	0	0	0	0	0

**CAMERA 18: KR3 POWERHOUSE WHITEWATER PUT-IN/TAKE-OUT (SOUTH-DOWNSTREAM VIEW)**



CEYOMUR 100% 2025/04/26 09:00:00 11C 51F KR3PHS2

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	7	1	0	0	0	0	0	0
Human Validation	5	1	4	0	0	4	0	0



CEYOMUR 100% 2025/04/26 09:10:00 11C 51F KR3PHS2

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	4	2	2	1	0	1	0	0
Human Validation	2	1	3	0	0	3	0	0



CEYOMJR 100% 2025/04/26 15:30:00 11C 51F KR3PHS2

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	2	2	1	0	0	1	0	0
Human Validation	4	2	4	1	0	3	0	0



CEYOMJR 100% 2025/06/07 10:30:00 28C 82F KR3PHS2

	People	Total Vehicles	Total Watercraft	Sm. Kayaks	Lg. Kayaks	Lg. Rafts	Sm. Rafts	Other
AI Tool Output	10	6	4	1	0	3	0	0
Human Validation	12	9	4	0	0	4	0	0