

Benthic Macroinvertebrate Survey of the Feather River Canyon in 2017

Metrics	Spanish Creek above Gilson Creek	Feather River, MF above Blairsden-Graeagle Rd.	Indian Creek ~0.7mi below Dixie Cr.	Feather River, NF above Paxton Rd.	Feather River, NF ~0.7mi above Flea Valley Cr.	Feather River, MF above Grizzly Creek	Greenhorn Creek above American Valley
ProtocolCode	SWAMP_2016_WS	SWAMP_2016_WS	SWAMP_2016_WS	SWAMP_2016_WS	SWAMP_2016_WS	SWAMP_2016_WS	SWAMP_2016_WS
ProjectCode	NRDA_FR_2017	NRDA_FR_2017	NRDA_FR_2017	NRDA_FR_2017	NRDA_FR_2017	NRDA_FR_2017	NRDA_FR_2017
ProjectName	NRDA Feather River 2017	NRDA Feather River 2017	NRDA Feather River 2017	NRDA Feather River 2017	NRDA Feather River 2017	NRDA Feather River 2017	NRDA Feather River 2017
SampleAgencyCode	DFG-ABL	DFG-ABL	DFG-ABL	DFG-ABL	DFG-ABL	DFG-ABL	DFG-ABL
StationCode	518CE0015	518FRBLAR	518FRICAF	518FRPAXT	518FRPOED	518FRTRAGC	518GHCAAV
Year	2017	2017	2017	2017	2017	2017	2017
SampleDate	10/17/2017	10/17/2017	10/17/2017	10/18/2017	10/18/2017	10/18/2017	10/17/2017
LocationCode	X	X	X	X	X	X	X
CollectionTime	12:00:00	15:20:00	10:30:00	9:30:00	12:40:00	9:00:00	13:45:00
CollectionMethodCode	BMI_RWB	BMI_RWB	BMI_RWB	BMI_RWB	BMI_RWB	BMI_RWB	BMI_RWB
SampleTypeCode	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
CollectionDeviceDescr	D-Frame Kick Net	D-Frame Kick Net	D-Frame Kick Net	D-Frame Kick Net	D-Frame Kick Net	D-Frame Kick Net	D-Frame Kick Net
CollectionDepth	-88	-88	-88	-88	-88	-88	-88
UnitCollectionDepth	M	M	M	M	M	M	M
SieveSize	0.5mm	0.5mm	0.5mm	0.5mm	0.5mm	0.5mm	0.5mm
Replicate	1	1	1	1	1	1	1
OriginalSumIndividuals	598	629	599	581	589	560	618
LabSampleID	22619	22620	22621	22622	22623	22624	22625
EPT Index (%)	76	44	58	47	53	40	76
EPT Taxa	19	19	15	16	19	11	24
ET Taxa Richness	14	15	12	15	15	10	17
Number Acari Taxa	3	2	6	5	5	3	3
Number CF + CG Taxa	17	20	21	22	27	21	18
Number Chironomidae Taxa	7	13	11	14	17	15	12
Number Chironominae Taxa	5	6	5	9	7	8	5
Number Coleoptera Individuals	12	12	112	3	8	9	13
Number Coleoptera Taxa	3	2	4	1	2	2	2
Number Collector Filterer Taxa	7	10	8	8	9	7	5
Number Collector Gatherer Taxa	10	10	13	14	18	14	13
Number Diptera Taxa	11	15	15	18	20	17	17
Number Elmidae Taxa	2	2	3	1	2	2	2
Number Ephemerellidae Taxa	1	1	1	0	1	0	2
Number Ephemeroptera Taxa	8	6	7	7	7	5	9
Number Hydropsychidae Taxa	2	2	2	2	2	2	1
Number Individuals	598	629	599	581	589	560	618
Number Intolerant EPT Taxa	11	10	8	5	7	2	17
Number Intolerant Taxa	11	11	9	7	9	4	20
Number Mollusca Taxa	2	1	1	0	2	1	1
Number Non-insect Taxa	6	5	9	8	8	7	6
Number Oligochaeta Taxa	1	1	1	1	1	1	1
Number Orthocladinae Taxa	2	4	6	5	7	4	5
Number Other FFG Taxa	4	4	5	3	4	4	3
Number Plecoptera Taxa	5	4	3	1	4	1	7
Number Predator Taxa	8	9	14	12	13	12	17
Number Scraper Taxa	7	7	4	7	6	2	7
Number Shredder Taxa	3	1	0	0	0	0	6
Number Trichoptera Taxa	6	9	5	8	8	5	8
Percent Amphipoda	0	0	0	0	0	0	0
Percent Baetidae	34	8	6	3	4	3	1
Percent Burrowers	3	2	3	22	3	2	2
Percent CF + CG Individuals	78	71	63	68	78	90	28
Percent CF + CG Taxa	44	49	48	50	54	54	35
Percent CF Taxa	18	24	18	18	18	18	10
Percent CG Taxa	26	24	30	32	36	36	25
Percent Chironomidae	8	34	27	24	28	44	14
Percent Chironomidae Taxa	18	32	25	32	34	38	24
Percent Chironominae Taxa	13	15	11	20	14	21	10
Percent Clinger Taxa	61	64	59	55	56	48	56
Percent Coleoptera	2	2	19	1	1	2	2
Percent Coleoptera Taxa	8	5	9	2	4	5	4
Percent Collector-Filterers	36	15	24	28	49	42	7
Percent Collectors Gatherers	42	56	39	40	30	47	21
Percent Corbicula	0	0	3	0	0	0	0
Percent Crustacea	0	0	0	0	0	0	0
Percent Diptera	20	37	31	25	29	46	17
Percent Diptera Taxa	28	37	34	41	40	44	33
Percent Dominant 3 Taxa	52.3	42.8	38.2	40.3	47	60.4	57.9

Percent Dominant Taxon	25.1	16.9	16.7	17.6	21.6	26.4	46
Percent Elmidae	2	2	18	1	1	2	2
Percent Ephemeroptera	47	29	8	14	11	33	16
Percent Ephemeroptera Taxa	21	15	16	16	14	13	18
Percent EPT Taxa	49	46	34	36	38	28	47
Percent Gastropoda	0	0	0	0	0	0	0
Percent Glossosomatidae	0	3	0	0	0	0	0
Percent Hydropsychidae	22	9	16	23	36	5	4
Percent Hydroptilidae	0	1	1	2	2	0	0
Percent Intolerant	15	43	17	6	5	2	70
Percent Intolerant Diptera	0	5	0	0	2	0	1
Percent Intolerant Ephemeroptera	10	19	1	0	1	0	12
Percent Intolerant Scrapers	9	5	0	1	0	0	6
Percent Intolerant Taxa (0-2)	28	27	21	16	18	10	39
Percent Intolerant Trichoptera	3	6	1	1	0	0	49
Percent Mollusca	1	0	3	0	0	0	0
Percent Non Baetis Fallceon Ephemeroptera	13	21	3	12	8	30	15
Percent Non Hydro Cheumatop Trichoptera	3	7	1	4	4	1	49
Percent Non-Gastropoda Scrapers	13	7	2	4	5	0	9
Percent Non-Hydropsyche Hydropsychidae	7	6	6	18	15	4	0
Percent Non-Insecta Taxa	15	12	20	18	16	18	12
Percent of Ephemeroptera that are Intolerant	20	66	15	2	11	0	79
Percent of Trichoptera that are Intolerant	11	36	3	2	0	3	92
Percent Oligochaeta	1	2	1	7	5	7	1
Percent Oligochaeta Taxa	3	2	2	2	2	3	2
Percent Omnivore Taxa	5.1	4.9	6.8	4.5	6	10.3	3.9
Percent Orthoclaadiinae Taxa	5	10	14	11	14	10	10
Percent Other FFG	4	5	13	3	3	2	47
Percent Other FFG Taxa	10	10	11	7	8	10	6
Percent Perlodidae	1	11	12	5	1	0	1
Percent Philopotamidae	0	0	0	0	0	0	0
Percent Plecoptera	3	13	19	5	2	2	7
Percent Plecoptera Taxa	13	10	7	2	8	3	14
Percent Predator Taxa	21	22	32	27	26	31	33
Percent Predators	5	14	22	26	13	8	12
Percent Rhyacophiidae	2	0	0	0	0	0	1
Percent Scraper Taxa	18	17	9	16	12	5	14
Percent Scrapers	13	7	2	4	6	0	9
Percent Shredder Taxa	8	2	0	0	0	0	12
Percent Shredders	1	3	0	0	0	0	4
Percent Simuliidae	12	1	1	0	1	2	1
Percent Tolerant	5	3	15	32	9	5	1
Percent Tolerant Taxa (7-10)	13	12	14	18	10	23	6
Percent Tolerant Taxa (8-10)	13	12	14	18	10	23	6
Percent Trichoptera	25	16	17	27	40	5	53
Percent Trichoptera Taxa	15	22	11	18	16	13	16
Sensitive EPT index (%)	15	38	17	6	4	2	71
Shannon Diversity	2.67	2.88	2.71	2.82	2.7	2.37	2.4
Simpsons Index	0.11	0.09	0.11	0.09	0.12	0.17	0.24
Taxonomic Richness	39	41	44	44	50	39	51
Tolerance Value	4.52	3.76	4.75	5.65	5.06	5.35	2.14