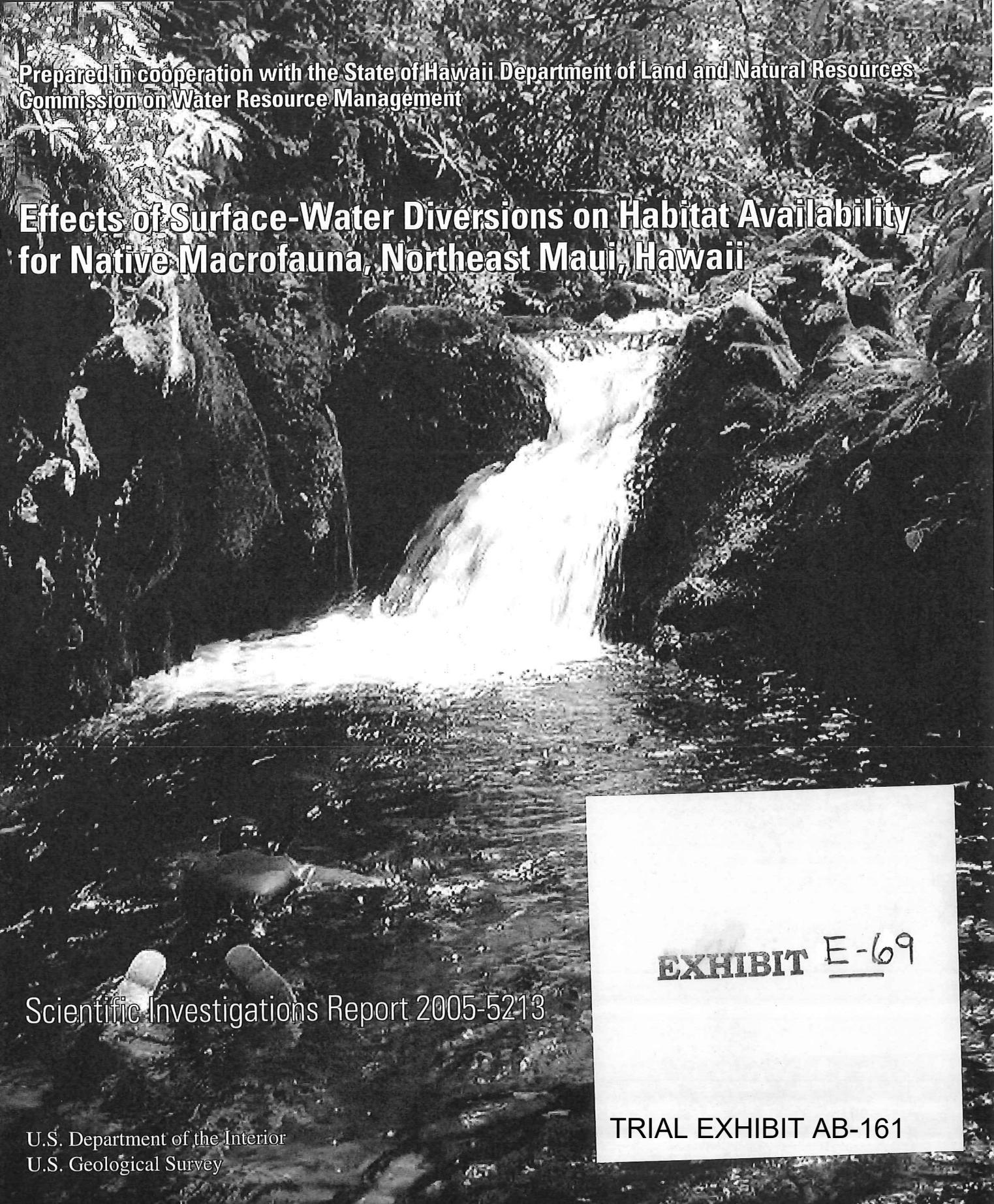


Prepared in cooperation with the State of Hawaii Department of Land and Natural Resources
Commission on Water Resource Management

Effects of Surface-Water Diversions on Habitat Availability for Native Macrofauna, Northeast Maui, Hawaii



Scientific Investigations Report 2005-5213

EXHIBIT E-69

TRIAL EXHIBIT AB-161

Table 8. Summary of PHABSIM modeled habitat for intensively studied diverted stream sites, northeast Maui, Hawaii.

[ft³/s, cubic foot per second; ft², square feet; values shown represent a range of results for all aquatic species except opae using riffle models A and B; NA, not applicable]

Stream site	Median base flow remaining in stream (ft ³ /s)		Habitat available at diverted median base-flow conditions relative to habitat available at natural median base-flow condition		Flow needed to produce habitat relative to habitat available at natural median base-flow conditions (ft ³ /s)		Amount of habitat relative to habitat available at natural median base-flow conditions with flow at percentage of natural base flow	
	Diverted conditions	Natural (undiverted) conditions	(percent of natural habitat)	(percent of natural habitat)	50 percent of natural habitat	90 percent of natural habitat	50 percent of natural base flow	90 percent of natural base flow
Hanawi lower	21	26	99 – 101	NA	NA	NA	NA	99 – 101
Hanawi middle	11	16	99 – 101	NA	NA	NA	NA	100 – 101
Kopiliula lower	2.8	9.5	51 – 53	2.6 – 2.7	7.6 – 7.7	70 – 71	94 – 95	94 – 95
Kopiliula middle	1.2	6.5	51 – 52	1.1 – 1.2	4.8	77 – 78	96 – 97	96 – 97
Wailauui lower	1.1	6.7	51 – 52	1 – 1.1	4.2 – 4.4	83 – 84	97	97
Wailauui middle	1.0	6.1	50 – 54	.66 – 1	4.7 – 4.9	73 – 75	95 – 96	95 – 96
Honomanu lower	0	9.0	0	.94 – 1	4 – 4.5	90 – 92	99 – 100	99 – 100
Waikamoi middle-lower	.20	6.7	27 – 46	.13 – 1.1	4.9 – 5.1	78 – 82	96	96
Waikamoi middle-upper	1.6	6.6	56 – 57	1.2	3.8 – 4.1	81 – 84	99	99

Table 9. Summary of PHABSIM modeled opae habitat for intensively studied diverted middle stream sites, northeast Maui, Hawaii.

[ft³/s, cubic foot per second; ft², square feet; values shown represent a range of results using riffle models A and B; NA, not applicable]

Stream site	Median base flow remaining in stream (ft ³ /s)		Habitat available at diverted median base-flow conditions relative to habitat available at natural median base-flow condition		Flow needed to produce habitat relative to habitat available at natural median base-flow conditions (ft ³ /s)		Amount of habitat relative to habitat available at natural median base-flow conditions with flow at percentage of natural base flow	
	Diverted conditions	Natural (undiverted) conditions	(percent of natural habitat)	(percent of natural habitat)	50 percent of natural habitat	90 percent of natural habitat	50 percent of natural base flow	90 percent of natural base flow
Hanawi middle	11	16	94 – 95	NA	NA	NA	NA	98 – 99
Kopiliula middle	1.2	6.5	65 – 66	NA	4.4 – 4.5	82 – 83	97	97
Wailauui middle	1.0	6.1	64 – 70	NA	4.1 – 4.4	82 – 84	97	97
Waikamoi middle-lower	.20	6.7	40 – 64	.61	2.4 – 4.4	84 – 92	97 – 98	97 – 98
Waikamoi middle-upper	1.6	6.6	70	NA	3.7 – 3.8	86 – 87	98	98

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Waikamoi Stream & Waterfalls

Last Updated 18 May 2013 by Maui Guidebook & Bright. 141 of 16 Maui Islands Road to Hana, Maui, Hawaii Waterfalls



A visitor stands at the top of Waikamoi Stream's first waterfall, just a few steps from the road

Rating: ★★★★☆

In a nutshell: A drive-up stop, one waterfall and pool are right next to the road. The second, larger waterfall and pool just upstream are impressively beautiful, and *tropical* (unnoted by other guidebooks).

Minutes: Unpredictable flow; also unpredictable visitor count (can be packed or empty, with no rhyme or reason.)

Sound-bite: "This is all I wanted to do in Hawaii."

DETAILS:

A popular, user-friendly (but frequently under-rated) stop on the Road to Hana. The reason this is so under-rated by the other guidebooks is that they came to see it on the wrong day. The water course is heavily impeded and diverted above and these falls can be essentially "turned off" by 100+ local sugar plantations. You can tell if this is worth a stop by looking at the waterfall closest to the road. If it is flowing, then you're in for a treat.

The first waterfall is literally steps from the road, and has a beautiful pool tailor-made for swimming. The bigger second waterfall has multiple places to sit at the bottom and let the water fall on you. The last time I was there, a family was sitting under the waterfall, and I overheard the father gleefully claim "this is all I ever wanted to do in Hawaii." I don't know if I personally would be satisfied with just Waikamoi - but it is a really sweet place, that is so easily accessible without any serious driving, that for someone doing an unplanned drive-thru, it could be the nicest waterfall they seem in.

Getting to the second fall requires a scramble up a (usually) mostly-dry stream bed - but unless the water is raging, it is pretty easy (and if the water is raging, don't even try it).

Key Info:

Mile Marker: 69.3 Hana Hwy, aka Hwy 360

GPS Coordinates: 20.972356,-156.107346

Facilities: No facilities

[Get directions](#)



A couple enjoys swimming under the larger falls at Waikamoi

Non-Touristy VR Oasis

[MauiGuidebook.com](#)



Tao Valley Inn
\$149 - \$249

Guests rave

about the two B&B rooms and a private cottage on 10+ acres nestled at the base of the mountain of sacred Tao Valley.

Private cottage price:
B&B price



7288 Hana
style retreats
Hana
\$699 - \$1099

Green and off the grid, built over a koi pond. Central location for beach & adventures.

[MauiGuidebook.com](#) photo



5228 Luxury
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Estate
\$499 - \$1099

One-of-a-kind, 3,700 SqFt private luxury boutique estate nestled in quiet

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Maui Guidebook

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Maui Guidebook
December 17 at 1:00pm

Maui winter means rainbows everyday!!

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