Upcoming GCDAMP Monitoring and Research Trips

JANUARY

Sun	Mon	Tues	Wed	Thur	Fri	Sat
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
				TRGD 26-I		
25	26	27	28	29	30	31
TRGD 26-I						

FEBRUARY

Sun	Mon	Tues	Wed	Thur	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
			FGS 26-I			
15	16	17	18	19	20	21
FGS 26-I						
22	23	24	25	26	27	28
FGS 26-I						

MARCH

Sun	Mon	Tues	Wed	Thur	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
			TRGD 26-II			
29	30	31				
TRGD 26-II						

APRIL

Sun	Mon	Tues	Wed	Thur	Fri	Sat
			1	2	3	4
				SCN 26-I		
5	6	7	8	9	10	11
SCN 26-I						
12	13	14	15	16	17	18
SCN 26-I						
		LCR-HBC 26-II				
				MSF 26-I		
						Hopi 2026
19	20	21	22	23	24	25
SCN 26-I						
LCR-HBC 26-II						
MSF 26-I						
Hopi 2026						
				CRM 26-I		
26	27	28	29	30		
MSF 26-I						
Hopi 2026						
CRM 26-I						

MAY

Sun	Mon	Tues	Wed	Thur	Fri	Sat
					1	2
					CRM 26-I	
					Hualapai Nation 26-I	
3	4	5	6	7	8	9
CRM 26-I						
Hualapai Nation 26-I						
					JCM 26-I	
10	11	12	13	14	15	16
Hualapai Nation 26-I						
JCM 26-I						
		LCR-HBC 26-II				
17	18	19	20	21	22	23
JCM 26-I						
LCR-HBC 26-II						
			Pueblo of Zuni 2026			
24	25	26	27	28	29	30
Pueblo of Zuni 2026						

TRGD - Lees Ferry trout population monitoring

FGS - Quality of Water/fine grain sediment monitoring

SCN - Survey Control Network/Channel Mapping

LCR-HBC - camps at three locations on Little Colorado River

MSF - System wide fish monitoring-AZGFD

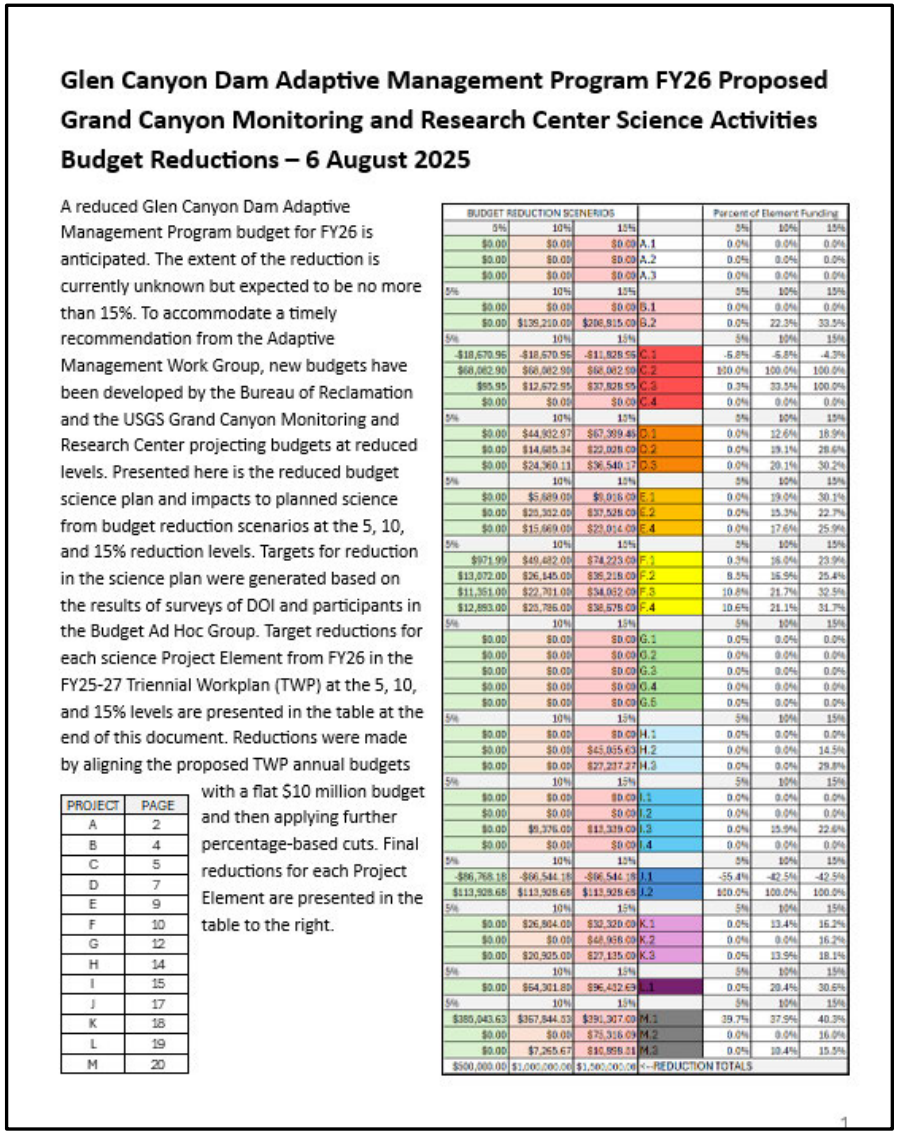
CRM - Cultural Resource Monitoring

JCM - Juvenile HBC monitoring

Proposed Scenarios

FY26 GCMRC Budget Scenarios →

- **Document presents the reduction scenarios with impacts to science**
- **Brief discussion included for each project**
- **Impacts to science are minimized in the planning but significant at 10% and especially 15%**



Glen Canyon Dam Adaptive Management Program FY26 Proposed Grand Canyon Monitoring and Research Center Science Activities Budget Reductions – 6 August 2025

A reduced Glen Canyon Dam Adaptive Management Program budget for FY26 is anticipated. The extent of the reduction is currently unknown but expected to be no more than 15%. To accommodate a timely recommendation from the Adaptive Management Work Group, new budgets have been developed by the Bureau of Reclamation and the USGS Grand Canyon Monitoring and Research Center projecting budgets at reduced levels. Presented here is the reduced budget science plan and impacts to planned science from budget reduction scenarios at the 5, 10, and 15% reduction levels. Targets for reduction in the science plan were generated based on the results of surveys of DOI and participants in the Budget Ad Hoc Group. Target reductions for each science Project Element from FY26 in the FY25-27 Triennial Workplan (TWP) at the 5, 10, and 15% levels are presented in the table at the end of this document. Reductions were made by aligning the proposed TWP annual budgets with a flat $10 million budget and then applying further percentage-based cuts. Final reductions for each Project Element are presented in the table to the right.

PROJECT	PAGE
A	2
B	4
C	5
D	7
E	9
F	10
G	12
H	14
I	15
J	17
K	18
L	19
M	20

BUDGET REDUCTION SCENERIOS				Percent of Element Funding		
5%	10%	15%		5%	10%	15%
$0.00	$0.00	$0.00	A.1	0.0%	0.0%	0.0%
$0.00	$0.00	$0.00	A.2	0.0%	0.0%	0.0%
$0.00	$0.00	$0.00	A.3	0.0%	0.0%	0.0%
5%	10%	15%		5%	10%	15%
$0.00	$0.00	$0.00	B.1	0.0%	0.0%	0.0%
$0.00	$139,210.00	$208,815.00	B.2	0.0%	22.3%	33.5%
5%	10%	15%		5%	10%	15%
-$18,670.95	-$18,670.95	-$11,828.55	C.1	-5.8%	-5.8%	-4.3%
$68,082.90	$68,082.90	$68,082.90	C.2	100.0%	100.0%	100.0%
$95.95	$12,672.95	$37,828.55	C.3	0.3%	33.5%	100.0%
$0.00	$0.00	$0.00	C.4	0.0%	0.0%	0.0%
5%	10%	15%		5%	10%	15%
$0.00	$44,902.97	$67,999.46	D.1	0.0%	12.6%	18.9%
$0.00	$14,685.34	$22,028.00	D.2	0.0%	19.1%	28.6%
$0.00	$24,360.11	$36,540.17	D.3	0.0%	20.1%	30.2%
5%	10%	15%		5%	10%	15%
$0.00	$5,689.00	$8,016.00	E.1	0.0%	19.0%	30.1%
$0.00	$20,302.05	$37,528.00	E.2	0.0%	15.3%	22.7%
$0.00	$15,669.00	$23,014.00	E.4	0.0%	17.6%	25.9%
5%	10%	15%		5%	10%	15%
$971.99	$49,682.00	$74,223.00	F.1	0.3%	16.0%	23.9%
$13,072.00	$26,145.00	$35,218.00	F.2	8.5%	16.9%	25.4%
$11,351.00	$22,701.00	$34,052.00	F.3	10.8%	21.7%	32.5%
$12,893.00	$25,786.00	$38,678.00	F.4	10.6%	21.1%	31.7%
5%	10%	15%		5%	10%	15%
$0.00	$0.00	$0.00	G.1	0.0%	0.0%	0.0%
$0.00	$0.00	$0.00	G.2	0.0%	0.0%	0.0%
$0.00	$0.00	$0.00	G.3	0.0%	0.0%	0.0%
$0.00	$0.00	$0.00	G.4	0.0%	0.0%	0.0%
$0.00	$0.00	$0.00	G.5	0.0%	0.0%	0.0%
5%	10%	15%		5%	10%	15%
$0.00	$0.00	$0.00	H.1	0.0%	0.0%	0.0%
$0.00	$0.00	$45,055.63	H.2	0.0%	0.0%	14.5%
$0.00	$0.00	$27,237.27	H.3	0.0%	0.0%	29.8%
5%	10%	15%		5%	10%	15%
$0.00	$0.00	$0.00	I.1	0.0%	0.0%	0.0%
$0.00	$0.00	$0.00	I.2	0.0%	0.0%	0.0%
$0.00	$9,376.00	$13,339.00	I.3	0.0%	15.9%	22.6%
$0.00	$0.00	$0.00	I.4	0.0%	0.0%	0.0%
5%	10%	15%		5%	10%	15%
-$66,768.18	-$66,544.18	-$66,544.18	J.1	-55.4%	-42.5%	-42.5%
$113,928.68	$113,928.68	$113,928.68	J.2	100.0%	100.0%	100.0%
5%	10%	15%		5%	10%	15%
$0.00	$26,804.00	$32,320.00	K.1	0.0%	13.4%	16.2%
$0.00	$0.00	$48,936.00	K.2	0.0%	0.0%	16.2%
$0.00	$20,925.00	$27,135.00	K.3	0.0%	13.9%	18.1%
5%	10%	15%		5%	10%	15%
$0.00	$64,301.80	$96,432.69	L.1	0.0%	20.4%	30.6%
5%	10%	15%		5%	10%	15%
$385,043.63	$357,844.33	$391,307.00	M.1	39.7%	37.5%	40.3%
$0.00	$0.00	$73,316.00	M.2	0.0%	0.0%	16.0%
$0.00	$7,265.67	$10,998.31	M.3	0.0%	10.4%	15.5%
$500,000.00	$1,000,000.00	$1,500,000.00	<--REDUCTION TOTALS			

1

FY26 Impacts to Science (cumulative)

5% Scenario

- Greenhouse experiment paused
- Invertebrate sample processing slowed
- Recreation modeling paused
- Stressed management (product delays)

IMPACTS

10% Scenario

- No channel mapping FY26
- Streamflow and sediment modeling paused, and capability reduced
- Predictive vegetation modeling effort paused
- Reduced archeological site monitoring
- Fewer historic photos matched
- Experimental vegetation treatment not evaluated
- Cultural resource collaborations paused
- Reduced products on ecosystem productivity
- Less progress understanding flannelmouth sucker metabolism and Little Colorado River diatoms.
- Reduced effort on invertebrates (sampling, analysis, and reporting)
- Reduced progress on eDNA analysis
- Threatened ability to report LTEMP Performance Metric 7.3 High Elevation Sand
- IT and data management risks increased

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Upcoming GCDAMP Monitoring and Research Trips

JANUARY

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				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
				TRGD 26-I		
25	26	27	28	29	30	31
TRGD 26-I						

FEBRUARY

Sun	Mon	Tues	Wed	Thur	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
			FGS 26-I			
15	16	17	18	19	20	21
FGS 26-I						
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FGS 26-I						

MARCH

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15	16	17	18	19	20	21
22	23	24	25	26	27	28
			TRGD 26-II			
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TRGD 26-II						

APRIL

			1	2	3	4
				SCN 26-I		
5	6	7	8	9	10	11
SCN 26-I						
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SCN 26-I						
		LCR-HBC 26-II				
				MSF 26-I		
						Hopi 2026
19	20	21	22	23	24	25
SCN 26-I						
LCR-HBC 26-II						
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Hopi 2026						
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MSF 26-I						
Hopi 2026						
CRM 26-I						

MAY

Sun	Mon	Tues	Wed	Thur	Fri	Sat
					1	2
					CRM 26-I	
					Hualapai Nation 26-I	
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CRM 26-I						
Hualapai Nation 26-I						
					JCM 26-I	
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Hualapai Nation 26-I						
JCM 26-I						
		LCR-HBC 26-II				
17	18	19	20	21	22	23
JCM 26-I						
LCR-HBC 26-II						
			Pueblo of Zuni 2026			
24	25	26	27	28	29	30
Pueblo of Zuni 2026						

TRGD - Lees Ferry trout population monitoring

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				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
				TRGD 26-I		
25	26	27	28	29	30	31
TRGD 26-I						

FEBRUARY

Sun	Mon	Tues	Wed	Thur	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
			FGS 26-I			
15	16	17	18	19	20	21
FGS 26-I						
22	23	24	25	26	27	28
FGS 26-I						

MARCH

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
			TRGD 26-II			
29	30	31				
TRGD 26-II						

APRIL

			1	2	3	4
				PAUSED SCN 26-I		
5	6	7	8	9	10	11
SCN 26-I PAUSED						
12	13	14	15	16	17	18
SCN 26-I PAUSED						
		LCR-HBC 26-II				
				MSF 26-I		
						Hopi 2026
19	20	21	22	23	24	25
SCN 26-I PAUSED						
LCR-HBC 26-II						
MSF 26-I						
Hopi 2026						
				CRM 26-I REDUCED		
26	27	28	29	30		
MSF 26-I						
Hopi 2026						
CRM 26-I REDUCED						

MAY

Sun	Mon	Tues	Wed	Thur	Fri	Sat
					1	2
					CRM 26-I REDUCED	
					Hualapai Nation 26-I	
3	4	5	6	7	8	9
CRM 26-I REDUCED						
Hualapai Nation 26-I						
					JCM 26-I	
10	11	12	13	14	15	16
Hualapai Nation 26-I						
JCM 26-I						
		LCR-HBC 26-II				
17	18	19	20	21	22	23
JCM 26-I						
LCR-HBC 26-II						
			Pueblo of Zuni 2026			
24	25	26	27	28	29	30
Pueblo of Zuni 2026						

10% Reduction

TRGD - Lees Ferry trout population monitoring

FGS - Quality of Water/fine grain sediment monitoring

PAUSED Survey Control Network/Channel Mapping

LCR-HBC - camps at three locations on Little Colorado River

MSF - System wide fish monitoring-AZGFD

REDUCED - Cultural Resource Monitoring

JCM - Juvenile HBC monitoring

10% - No channel mapping FY26

10% - Reduced archeological site monitoring

10% - Fewer historic photos matched

FY26 Impacts to Science (cumulative)

5% Scenario

- Greenhouse experiment paused
- Invertebrate sample processing slowed
- Recreation modeling paused
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IMPACTS

10% Scenario

- No channel mapping FY26
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- Reduced products on ecosystem productivity
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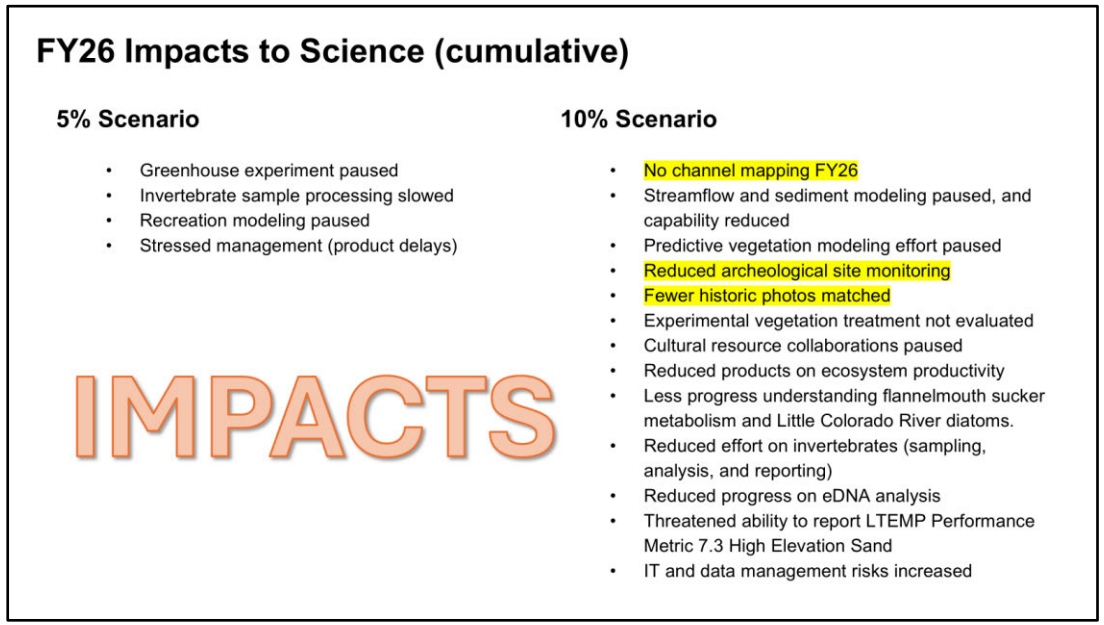
- Reduced effort on invertebrates (sampling, analysis, and reporting)
- Reduced progress on eDNA analysis
- Threatened ability to report LTEMP Performance Metric 7.3 High Elevation Sand
- IT and data management risks increased

FY26 Impacts to Science (cumulative)

15% Scenario

- Streamflow and sediment modeling capability further reduced
- Vegetation monitoring data not available
- Vegetation and flow modeling paused in FY26
- No archeological site impact monitoring
- No historical photos matched
- No information on gross primary productivity or Little Colorado River diatoms in FY26
- Products on ecosystem productivity further delayed
- No new information on invertebrates in FY26
- Fish and Lake Powell databases threatened
- 2 TRGD trips lost, increased uncertainty, seasonal estimates impacted



- Reduced or paused Lees Ferry creel surveys
- Progress on eDNA analysis further delayed
- Data management threatened generally
- Unable to report LTEMP Performance Metric 7.3 High Elevation Sand
- Logistical functions threatened

FY26 Impacts to Science (cumulative)

15% Scenario

- Streamflow and sediment modeling capability further reduced
- Vegetation monitoring data not available
- Vegetation and flow modeling paused in FY26
- No archeological site impact monitoring
- No historical photos matched
- No information on gross primary productivity or Little Colorado River diatoms in FY26
- Products on ecosystem productivity further delayed
- No new information on invertebrates in FY26
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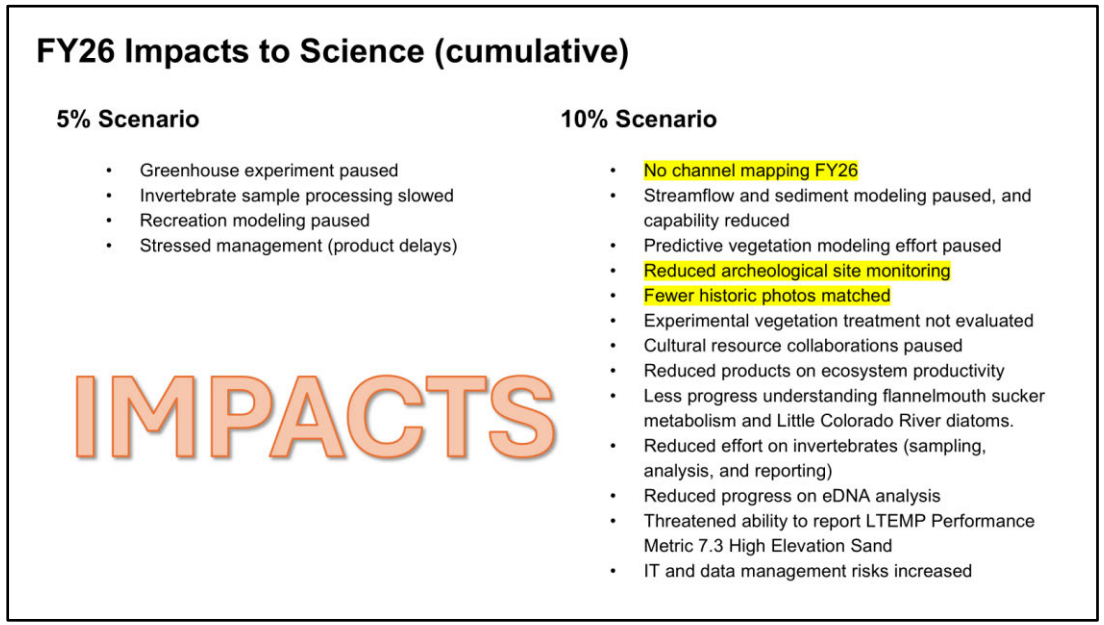

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Upcoming GCDAMP Monitoring and Research Trips

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4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
				TRGD 26-I		
25	26	27	28	29	30	31
TRGD 26-I						

FEBRUARY

Sun	Mon	Tues	Wed	Thur	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
			FGS 26-I			
15	16	17	18	19	20	21
FGS 26-I						
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FGS 26-I						

MARCH

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8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
			TRGD 26-II			
29	30	31				
TRGD 26-II						

APRIL

			1	2	3	4
				PAUSED SCN 26-I		
5	6	7	8	9	10	11
SCN 26-I PAUSED						
12	13	14	15	16	17	18
SCN 26-I PAUSED						
		LCR-HBC 26-II				
				MSF 26-I		
						Hopi 2026
19	20	21	22	23	24	25
SCN 26-I PAUSED						
LCR-HBC 26-II						
MSF 26-I						
Hopi 2026						
				CRM 26-I REDUCED		
26	27	28	29	30		
MSF 26-I						
Hopi 2026						
CRM 26-I REDUCED						

MAY

Sun	Mon	Tues	Wed	Thur	Fri	Sat
					1	2
					CRM 26-I REDUCED	
					Hualapai Nation 26-I	
3	4	5	6	7	8	9
CRM 26-I REDUCED						
Hualapai Nation 26-I						
					JCM 26-I	
10	11	12	13	14	15	16
Hualapai Nation 26-I						
JCM 26-I						
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JCM 26-I						
LCR-HBC 26-II						
			Pueblo of Zuni 2026			
24	25	26	27	28	29	30
Pueblo of Zuni 2026						

10% Reduction

TRGD - Lees Ferry trout population monitoring

FGS - Quality of Water/fine grain sediment monitoring

PAUSED **SCN** - Survey Control Network/Channel Mapping

LCR-HBC - camps at three locations on Little Colorado River

MSF - System wide fish monitoring-AZGFD

REDUCED **CRM** - Cultural Resource Monitoring

JCM - Juvenile HBC monitoring

10% - No channel mapping FY26

10% - No archeological site impact monitoring

10% - Reduced archeological site monitoring

10% - Lees Ferry photos matched

Upcoming GCDAMP Monitoring and Research Trips

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Sun	Mon	Tues	Wed	Thur	Fri	Sat
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
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MARCH

1	2	3	4	5	6	7
8	9	10	11	12	13	14
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22	23	24	25	26	27	28
				TRGD 26-II PAUSED		
29	30	31				
TRGD PAUSED						

15% Reduction

REDUCED - Lees Ferry trout population monitoring

FGS - Quality of Water/fine grain sediment monitoring

PAUSED - Survey Control Network/Channel Mapping

LCR-HBC - camps at three locations on Little Colorado River

MSF - System wide fish monitoring-AZGFD

PAUSED - Cultural Resource Monitoring

JCM - Juvenile HBC monitoring

10% - No channel mapping FY26

15% - No archeological site impact monitoring

15% - No historical photos matched

15% - 2 TRGD trips lost

APRIL

			1	2	3	4
				PAUSED SCN 26-I		
5	6	7	8	9	10	11
SCN 26-I PAUSED						
12	13	14	15	16	17	18
SCN 26-I PAUSED						
		LCR-HBC 26-II				
				MSF 26-I		
						Hopi 2026
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Hopi 2026						
				CRM 26-I PAUSED		
26	27	28	29	30		
MSF 26-I						
Hopi 2026						
CRM 26-I PAUSED						

MAY

Sun	Mon	Tues	Wed	Thur	Fri	Sat
					1	2
					CRM 26-I PAUSED	
					Hualapai Nation 26-I	
3	4	5	6	7	8	9
CRM 26-I PAUSED						
Hualapai Nation 26-I						
					JCM 26-I	
10	11	12	13	14	15	16
Hualapai Nation 26-I						
JCM 26-I						
		LCR-HBC 26-II				
17	18	19	20	21	22	23
JCM 26-I						
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TRGD 26-I						

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Sun	Mon	Tues	Wed	Thur	Fri	Sat
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			FGS 26-I			
15	16	17	18	19	20	21
FGS 26-I						
22	23	24	25	26	27	28
FGS 26-I						

MARCH

Sun	Mon	Tues	Wed	Thur	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
			TRGD 26-II			
29	30	31				
TRGD 26-II						

APRIL

Sun	Mon	Tues	Wed	Thur	Fri	Sat
			1	2	3	4
				SCN 26-I		
5	6	7	8	9	10	11
SCN 26-I						
12	13	14	15	16	17	18
SCN 26-I						
		LCR-HBC 26-II				
				MSF 26-I		
						Hopi 2026
19	20	21	22	23	24	25
SCN 26-I						
LCR-HBC 26-II						
MSF 26-I						
Hopi 2026						
				CRM 26-I		
26	27	28	29	30		
MSF 26-I						
Hopi 2026						
CRM 26-I						

MAY

Sun	Mon	Tues	Wed	Thur	Fri	Sat
					1	2
					CRM 26-I	
					Hualapai Nation 26-I	
3	4	5	6	7	8	9
CRM 26-I						
Hualapai Nation 26-I						
					JCM 26-I	
10	11	12	13	14	15	16
Hualapai Nation 26-I						
JCM 26-I						
		LCR-HBC 26-II				
17	18	19	20	21	22	23
JCM 26-I						
LCR-HBC 26-II						
			Pueblo of Zuni 2026			
24	25	26	27	28	29	30
Pueblo of Zuni 2026						

TRGD - Lees Ferry trout population monitoring

FGS - Quality of Water/fine grain sediment monitoring

SCN - Survey Control Network/Channel Mapping

LCR-HBC - camps at three locations on Little Colorado River

MSF - System wide fish monitoring-AZGFD

CRM - Cultural Resource Monitoring

JCM - Juvenile HBC monitoring