Matrix for Calfed

CALFED Alternatives evaluation for striped bass -page 1

Diversion Effects on Striped Bass-Existing conditions assumes Delta Accord

| Effects | wt. | Oct-Nov | Dec- Mar | Apr | May | June | July | Aug | Sep | sum | comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Entrainment | 10 | -1 | -1 | -2 | -3 | -3 | -4 | -2 | -1 | | June to Aug more predation on juveniles. |
| Predation mortality-CCF + return | | | | | | | | | | | |
| Entrainment losses | | | | | | | | | | | |
| Handling mortality | | | | | | | | | | | |
| Food supply | 3 | 0 | 0 | 0 | 0 | -1 | -1 | -1 | 0 | | Diversion effects on zooplankton appear small |
| Shallow/inshore habitat- offsetting div. | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Water quality (toxics) | 1 | 0 | 0 | 0 | 0 | -1 | 0 | 0 | 0 | | |
| WQ (salinity) affecting SJR spawning | 1 | 0 | 0 | -1 | -1 | 0 | 0 | 0 | 0 | | |
| Agricultural diversions | 3 | 0 | 0 | -1 | -2 | -2 | -1 | 0 | 0 | | Diversions vary with water year type. |
| Hydrodynamics-Sacramento R. trans | 3 | 0 | 0 | -1 | -1 | -1 | 0 | 0 | 0 | | |
| Hydrodynamics-San Joaquin flow | 3 | 0 | 0 | -1 | -1 | -2 | -2 | -2 | -1 | | Diversions vary with water year type. |
| Hydrodynamic- Xdel fl- G. sl and 3 mi. | 3 | 0 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | | |
| Unweighted total | | -1 | -1 | -7 | -9 | -11 | -8 | -6 | -2 | -45 | |
| life stage | | juv | juv | e & l | e & l | e & l, juv | l & juv | juv | juv | | |

Diversion Effects on Striped Bass- No Action

| Effects | | Oct-Nov | Dec- Mar | Apr | May | June | July | Aug | Sep | | comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Entrainment | 10 | -1 | -2 | -2 | -3 | -3 | -4 | -2 | -1 | | shaded cells indicate change from existing conditions |
| Predation mortality-CCF | | | | | | | | | | | |
| Entrainment losses | | | | | | | | | | | |
| Handling mortality | | | | | | | | | | | |
| Food supply | 3 | 0 | 0 | 0 | 0 | -1 | -1 | -1 | 0 | | |
| Shallow/ nearshore habitat | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Water quality (toxics) | 1 | 0 | 0 | 0 | 0 | -1 | 0 | 0 | 0 | | |
| WQ (salinity) affecting SJR spawning | 1 | 0 | 0 | -1 | -1 | 0 | 0 | 0 | 0 | | |
| Agricultural diversions | 3 | 0 | 0 | -1 | -2 | -2 | -1 | 0 | 0 | | |
| Hydrodynamics-Sacramento R. trans | 3 | 0 | 0 | -1 | -1 | -1 | 0 | 0 | 0 | | |
| Hydrodynamics-San Joaquin flow | 3 | 0 | 0 | -1 | -1 | -2 | -2 | -2 | -1 | | |
| Hydrodynamic- Xdel fl- G. sl and 3 mi. | 3 | 0 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | | |
| Unweighted total | | -1 | -2 | -7 | -9 | -11 | -8 | -6 | -2 | -46 | |
| life stage | | juv | juv | e & l | e & l | e & l, juv | l & juv | juv | juv | | |

CALFED Alternatives evaluation for striped bass -page 2

Diversion Effects on Striped Bass-common programs

| Effects | wt. | Oct-Nov | Dec- Mar | Apr | May | June | July | Aug | Sep | | comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Entrainment | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Predation mortality-CCF | | | | | | | | | | | |
| Entrainment losses | | | | | | | | | | | |
| Handling mortality | | | | | | | | | | | |
| Food supply | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Shallow/inshore habitat- offsetting div. | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | difficult to assess for striped bass/ need more info. |
| Water quality (toxics and nutrients) | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | water quality for drinking water not necessarily good for fish |
| WQ (salinity) affecting SJR spawning | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Agricultural diversions | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Hydrodynamics-Sacramento R. trans | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Hydrodynamics-San Joaquin flow | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Hydrodynamic- Xdel fl- G. sl and 3 mi. | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Unweighted total | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| life stage | | juv | juv | e & l | e & l | e & l, juv | l & juv | juv | juv | | |

Diversion Effects on Striped Bass- Alternative 1

| Effects | | Oct-Nov | Dec- Mar | Apr | May | June | July | Aug | Sep | | comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Entrainment | 10 | -1 | -1 | -2 | -3 | -2 | -3 | -1 | -1 | | shaded cells indicate change from existing conditions |
| Predation mortality-CCF | | | | | | | | | | | |
| Entrainment losses | | | | | | | | | | | |
| Handling mortality | | | | | | | | | | | |
| Food supply | 3 | 0 | 0 | 0 | 0 | -1 | -1 | -1 | 0 | | |
| Shallow/ nearshore habitat | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Water quality (toxics) | 1 | 0 | 0 | 0 | 0 | -1 | 0 | 0 | 0 | | |
| WQ (salinity) affecting SJR spawning | 1 | 0 | 0 | -1 | -1 | 0 | 0 | 0 | 0 | | |
| Agricultural diversions | 3 | 0 | 0 | -1 | -2 | -2 | -1 | 0 | 0 | | |
| Hydrodynamics-Sacramento R. trans | 3 | 0 | 0 | -1 | -1 | -1 | 0 | 0 | 0 | | |
| Hydrodynamics-San Joaquin flow | 3 | 0 | 0 | -1 | -1 | -2 | -2 | 0 | 0 | | |
| Hydrodynamic- Xdel fl- G. sl and 3 mi. | 3 | 0 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | | |
| Unweighted total | | -1 | -1 | -7 | -9 | -10 | -7 | -3 | -1 | -39 | |
| life stage | | juv | juv | e & l | e & l | e & l, juv | l & juv | juv | juv | | |

CALFED Alternatives evaluation for striped bass -page 3

Diversion Effects on Striped Bass-Alternative 2

| Effects | wt. | Oct-Nov | Dec- Mar | Apr | May | June | July | Aug | Sep | | comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Entrainment | 10 | -1 | -1 | -3 | -4 | -2 | -4 | -1 | -1 | | Losses due to Mokelumne spawning location |
| Predation mortality-CCF & release | | | | | | | | | | | shaded cells indicate change from existing conditions |
| Entrainment losses | | | | | | | | | | | |
| Handling mortality | | | | | | | | | | | |
| Food supply | 3 | 0 | 0 | 0 | 0 | -1 | -1 | -1 | 0 | | |
| Shallow/inshore habitat- offsetting div. | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | No effect on striped bass predicted. High uncertainty. |
| Water quality (toxics) | 1 | 0 | 0 | 0 | 0 | -1 | 0 | 0 | 0 | | |
| WQ (salinity) affecting SJR spawning | 1 | 0 | 0 | -1 | -1 | 0 | 0 | 0 | 0 | | |
| Agricultural diversions | 3 | 0 | 0 | -1 | -2 | -2 | -1 | 0 | 0 | | |
| Hydrodynamics-Sacramento R. trans | 3 | 0 | 0 | -2 | -4 | -3 | 0 | 0 | 0 | | |
| Hydrodynamics-San Joaquin flow | 3 | 0 | 0 | -2 | -1 | -1 | -1 | -1 | 0 | | Positive downstream flows April-July; Lower flows in July-Aug |
| Hydrodynamic- Xdel fl- G. sl and 3 mi. | 3 | 0 | 0 | -3 | -3 | -3 | 0 | -1 | 0 | | adults spawning in Mokelumne River |
| Unweighted total | | -1 | -1 | -8 | -13 | -11 | -7 | -4 | -1 | -46 | |
| life stage | | juv | juv | e & l | e & l | e & l, juv | l & juv | juv | juv | | adults affected by screen barrier to spawning areas |

Diversion Effects on Striped Bass- Alternative 3.

| Effects | | Oct-Nov | Dec- Mar | Apr | May | June | July | Aug | Sep | | comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Entrainment | 10 | -2 | -2 | -3 | -3 | -1 | -4 | -3 | -2 | | shaded cells indicate change from existing conditions |
| Predation mortality-CCF & release | | | | | | | | | | | |
| Entrainment losses | | | | | | | | | | | |
| Handling mortality | | | | | | | | | | | |
| Food supply | 3 | 0 | 0 | 0 | 0 | -1 | -1 | -1 | 0 | | |
| Shallow/ nearshore habitat | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Water quality (toxics) | 1 | 0 | 0 | 0 | 0 | -1 | 0 | 0 | 0 | | |
| WQ (salinity) affecting SJR spawning | 1 | 0 | 0 | -1 | -1 | 0 | 0 | 0 | 0 | | |
| Agricultural diversions | 3 | 0 | 0 | -1 | -2 | -2 | -1 | 0 | 0 | | |
| Hydrodynamics-Sacramento R. trans | 3 | 0 | 0 | -2 | -4 | -3 | 0 | 0 | 0 | | |
| Hydrodynamics-San Joaquin flow | 3 | 0 | 0 | -2 | -1 | -1 | -1 | -1 | 0 | | |
| Hydrodynamic- Xdel fl- G. sl and 3 mi. | 3 | 0 | 0 | -3 | -3 | -3 | 0 | 0 | 0 | | |
| Unweighted total | | 2 | 2 | -2 | -8 | -6 | 3 | 3 | 2 | -4 | |
| life stage | | juv | juv | e & l | e & l | e & l, juv | l & juv | juv | juv | | |

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D-055667

CALFED Alternatives evaluation for striped bass -page 4

Diversion Effects on Striped Bass - Restoration conditions

| Effects | wt. | Oct-Nov | Dec- Mar | Apr | May | June | July | Aug | Sep | | comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Entrainment | 10 | -2 | -2 | -6 | -5 | -5 | -5 | -4 | -8 | | June to Aug more predation on juveniles. |
| Predation mortality-CCF + return | | | | | | | | | | | shaded cells indicate change from existing conditions |
| Entrainment losses | | | | | | | | | | | |
| Handling mortality | | | | | | | | | | | |
| Food supply | 3 | -1 | 0 | -2 | -2 | -2 | -2 | -2 | -1 | | |
| Shallow/inshore habitat- offsetting div. | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Water quality (toxics) | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | |
| WQ (salinity) affecting SJR spawning | 1 | 0 | 0 | -1 | -1 | -1 | 0 | 0 | 0 | | |
| Agricultural diversions | 3 | 0 | 0 | -1 | -2 | -2 | -1 | 0 | 0 | | |
| Hydrodynamics-Sacramento R. trans | 3 | 0 | 0 | -3 | -3 | -3 | 0 | 0 | 0 | | |
| Hydrodynamics-San Joaquin flow | 3 | 0 | 0 | -2 | -2 | -2 | -2 | -2 | 0 | | |
| Hydrodynamic- Xdel fl- G. sl and 3 mi. | 3 | 0 | 0 | -1 | -1 | -1 | 0 | 0 | 0 | | |
| Unweighted total | | -4 | -3 | -14 | -13 | -13 | -9 | -9 | -5 | 70 | |
| life stage | | juv | juv | e & l | e & l | e & l, juv | l & juv | juv | juv | | |

D—055668

D-055668

Matrix for Calfed

CALFED Alternatives evaluation for striped bass -page 5--Weighted Results

Diversion Effects on Striped Bass-Existing conditions assumes Delta Accord

| Effects | wt. | Oct-Nov | Dec- Mar | Apr | May | June | July | Aug | Sep | sum | comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Entrainment | 10 | -10 | -10 | -20 | -30 | -30 | -40 | -20 | -10 | -170 | June to Aug more predation on juveniles. |
| Predation mortality-CCF + return | | | | | | | | | | | |
| Entrainment losses | | | | | | | | | | | |
| Handling mortality | | | | | | | | | | | |
| Food supply | 3 | 0 | 0 | 0 | 0 | -3 | -3 | -3 | 0 | -9 | Diversion effects on zooplankton appear small |
| Shallow/inshore habitat- offsetting div. | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Water quality (toxics) | 1 | 0 | 0 | 0 | 0 | -1 | 0 | 0 | 0 | -1 | |
| WQ (salinity) affecting SJR spawning | 1 | 0 | 0 | -1 | -1 | 0 | 0 | 0 | 0 | -2 | |
| Agricultural diversions | 3 | 0 | 0 | -3 | -6 | -6 | -3 | 0 | 0 | -18 | Diversions vary with water year type. |
| Hydrodynamics-Sacramento R. trans | 3 | 0 | 0 | -3 | -3 | -3 | 0 | 0 | 0 | -9 | |
| Hydrodynamics-San Joaquin flow | 3 | 0 | 0 | -3 | -3 | -6 | -6 | -6 | -3 | -27 | Diversions vary with water year type. |
| Hydrodynamic- Xdel fl- G. sl and 3 mi. | 3 | 0 | 0 | -3 | -3 | -3 | 0 | -3 | 0 | -12 | |
| Weighted total | | -10 | -10 | -33 | -46 | -52 | -52 | -32 | -13 | -248 | |
| life stage | | juv | juv | e & l | e & l | e & l, juv | l & juv | juv | juv | | |

Diversion Effects on Striped Bass- No Action--Weighted Results

| Effects | | Oct-Nov | Dec- Mar | Apr | May | June | July | Aug | Sep | sum | comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Entrainment | 10 | -10 | -20 | -20 | -30 | -30 | -40 | -20 | -10 | -180 | shaded cells indicate change from existing conditions |
| Predation mortality-CCF | | | | | | | | | | | |
| Entrainment losses | | | | | | | | | | | |
| Handling mortality | | | | | | | | | | | |
| Food supply | 3 | 0 | 0 | 0 | 0 | -3 | -3 | -3 | 0 | -9 | |
| Shallow/ nearshore habitat | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Water quality (toxics) | 1 | 0 | 0 | 0 | 0 | -1 | 0 | 0 | 0 | -1 | |
| WQ (salinity) affecting SJR spawning | 1 | 0 | 0 | -1 | -1 | 0 | 0 | 0 | 0 | -2 | |
| Agricultural diversions | 3 | 0 | 0 | -3 | -6 | -6 | -3 | 0 | 0 | -18 | |
| Hydrodynamics-Sacramento R. trans | 3 | 0 | 0 | -3 | -3 | -3 | 0 | 0 | 0 | -9 | |
| Hydrodynamics-San Joaquin flow | 3 | 0 | 0 | -3 | -3 | -6 | -6 | -6 | -3 | -27 | |
| Hydrodynamic- Xdel fl- G. sl and 3 mi. | 3 | 0 | 0 | -3 | -3 | -3 | 0 | -3 | 0 | -12 | |
| Weighted total | | -10 | -20 | -33 | -46 | -52 | -52 | -32 | -13 | -258 | |
| life stage | | juv | juv | e & l | e & l | e & l, juv | l & juv | juv | juv | | |

CALFED Alternatives evaluation for striped bass -page 6.

Diversion Effects on Striped Bass-common programs --Weighted Results

| Effects | wt. | Oct-Nov | Dec- Mar | Apr | May | June | July | Aug | Sep | sum | comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Entrainment | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | shaded cells indicate change from existing conditions |
| Predation mortality-CCF | | | | | | | | | | | |
| Entrainment losses | | | | | | | | | | | |
| Handling mortality | | | | | | | | | | | |
| Food supply | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Shallow/inshore habitat- offsetting div. | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | difficult to assess for striped bass/ need more info. |
| Water quality (toxics and nutrients) | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | water quality for drinking water not necessarily good for fish |
| WQ (salinity) affecting SJR spawning | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Agricultural diversions | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Hydrodynamics-Sacramento R. trans | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Hydrodynamics-San Joaquin flow | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Hydrodynamic- Xdel fl- G. sl and 3 mi. | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Weighted total | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| life stage | | juv | juv | e & l | e & l | e & l, juv | l & juv | juv | juv | | |

Diversion Effects on Striped Bass- Alternative 1--Weighted Results

| Effects | | Oct-Nov | Dec- Mar | Apr | May | June | July | Aug | Sep | sum | comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Entrainment | 10 | -10 | -10 | -20 | -30 | -20 | -30 | -10 | -10 | -140 | shaded cells indicate change from existing conditions |
| Predation mortality-CCF | | | | | | | | | | | |
| Entrainment losses | | | | | | | | | | | |
| Handling mortality | | | | | | | | | | | |
| Food supply | 3 | 0 | 0 | 0 | 0 | -3 | -3 | -3 | 0 | -9 | |
| Shallow/ nearshore habitat | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Water quality (toxics) | 1 | 0 | 0 | 0 | 0 | -1 | 0 | 0 | 0 | -1 | |
| WQ (salinity) affecting SJR spawning | 1 | 0 | 0 | -1 | -1 | 0 | 0 | 0 | 0 | -2 | |
| Agricultural diversions | 3 | 0 | 0 | -3 | -6 | -6 | -3 | 0 | 0 | -18 | |
| Hydrodynamics-Sacramento R. trans | 3 | 0 | 0 | -3 | -3 | -3 | 0 | 0 | 0 | -9 | |
| Hydrodynamics-San Joaquin flow | 3 | 0 | 0 | -3 | -3 | -6 | -6 | 0 | 0 | -18 | |
| Hydrodynamic- Xdel fl- G. sl and 3 mi. | 3 | 0 | 0 | -3 | -3 | -3 | 0 | -3 | 0 | -12 | |
| Weighted total | | -10 | -10 | -33 | -46 | -42 | -42 | -16 | -10 | -209 | |
| life stage | | juv | juv | e & l | e & l | e & l, juv | l & juv | juv | juv | | |



D-055670

CALFED Alternatives evaluation for striped bass -page 7

Diversion Effects on Striped Bass-Alternative 2 --Weighted Results

| Effects | wt. | Oct-Nov | Dec- Mar | Apr | May | June | July | Aug | Sep | sum | comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Entrainment | 10 | -10 | -10 | -30 | -40 | -20 | -40 | -10 | -10 | -170 | June to Aug more predation on juveniles. |
| Predation mortality-CCF & release | | | | | | | | | | | shaded cells indicate change from existing conditions |
| Entrainment losses | | | | | | | | | | | |
| Handling mortality | | | | | | | | | | | |
| Food supply | 3 | 0 | 0 | 0 | 0 | -3 | -3 | -3 | 0 | -9 | |
| Shallow/inshore habitat- offsetting div. | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | No effect on striped bass predicted. High uncertainty. |
| Water quality (toxics) | 1 | 0 | 0 | 0 | 0 | -1 | 0 | 0 | 0 | -1 | |
| WQ (salinity) affecting SJR spawning | 1 | 0 | 0 | -1 | -1 | 0 | 0 | 0 | 0 | -2 | |
| Agricultural diversions | 3 | 0 | 0 | -3 | -6 | -6 | -3 | 0 | 0 | -18 | |
| Hydrodynamics-Sacramento R. trans | 3 | 0 | 0 | -6 | -12 | -9 | 0 | 0 | 0 | -27 | |
| Hydrodynamics-San Joaquin flow | 3 | 0 | 0 | -6 | -3 | -3 | -3 | -3 | 0 | 6 | Positive downstream flows April-July;+K22 Lower flows in July- |
| Hydrodynamic- Xdel fl- G. sl and 3 mi. | 3 | 0 | 0 | -9 | -9 | -9 | 0 | -3 | 0 | -30 | adults spawning in Mokelumne River |
| Weighted total | | -10 | -10 | -43 | -65 | -45 | -49 | -19 | -10 | -251 | |
| life stage | | juv | juv | e & l | e & l | e & l, juv | l & juv | juv | juv | | adults affected by screen barrier to spawning areas |

Diversion Effects on Striped Bass- Alternative 3 --Weighted Results

| Effects | | Oct-Nov | Dec- Mar | Apr | May | June | July | Aug | Sep | sum | comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Entrainment | 10 | 20 | 20 | -10 | -30 | -10 | 40 | 30 | 20 | 80 | shaded cells indicate change from existing conditions |
| Predation mortality-CCF & release | | | | | | | | | | | |
| Entrainment losses | | | | | | | | | | | |
| Handling mortality | | | | | | | | | | | |
| Food supply | 3 | 0 | 0 | 0 | 0 | -3 | -3 | -3 | 0 | -9 | |
| Shallow/ nearshore habitat | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Water quality (toxics) | 1 | 0 | 0 | 0 | 0 | -1 | 0 | 0 | 0 | -1 | |
| WQ (salinity) affecting SJR spawning | 1 | 0 | 0 | -1 | -1 | 0 | 0 | 0 | 0 | -2 | |
| Agricultural diversions | 3 | 0 | 0 | -3 | -6 | -6 | -3 | 0 | 0 | -18 | |
| Hydrodynamics-Sacramento R. trans | 3 | 0 | 0 | -6 | -12 | -9 | 0 | 0 | 0 | -27 | |
| Hydrodynamics-San Joaquin flow | 3 | 0 | 0 | 0 | 3 | 3 | 3 | 3 | 0 | 18 | |
| Hydrodynamic- Xdel fl- G. sl and 3 mi. | 3 | 0 | 0 | 3 | 3 | 3 | 0 | 0 | 0 | 9 | |
| Weighted total | | 20 | 20 | -11 | -43 | -23 | 37 | 30 | 20 | 50 | |
| life stage | | juv | juv | e & l | e & l | e & l, juv | l & juv | juv | juv | | |

D-055671

D-055671

CALFED Alternatives evaluation for striped bass -page 8.

Diversion Effects on Striped Bass - Restoration conditions --Weighted Results

| Effects | wt. | Oct-Nov | Dec- Mar | Apr | May | June | July | Aug | Sep | sum | comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Entrainment | 10 | 20 | 20 | 50 | 50 | 50 | 50 | 40 | 30 | 310 | June to Aug more predation on juveniles. |
| Predation mortality-CCF + return | | | | | | | | | | | shaded cells indicate change from existing conditions |
| Entrainment losses | | | | | | | | | | | |
| Handling mortality | | | | | | | | | | | |
| Food supply | 3 | 3 | 0 | 6 | 6 | 6 | 6 | 6 | 3 | 36 | |
| Shallow/inshore habitat- offsetting div. | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Water quality (toxics) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 8 | |
| WQ (salinity) affecting SJR spawning | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 3 | |
| Agricultural diversions | 3 | 0 | 0 | 3 | 6 | 6 | 3 | 0 | 0 | -18 | |
| Hydrodynamics-Sacramento R. trans | 3 | 0 | 0 | 9 | 9 | 9 | 0 | 0 | 0 | 27 | |
| Hydrodynamics-San Joaquin flow | 3 | 0 | 0 | 6 | 6 | 6 | 6 | 6 | 0 | 30 | |
| Hydrodynamic- Xdel fl- G. sl and 3 mi. | 3 | 0 | 0 | 3 | 3 | 3 | 0 | 0 | 0 | 9 | |
| Weighted total | | 24 | 21 | 73 | 70 | 70 | 60 | 53 | 34 | 405 | |
| life stage | | juv | juv | e & l | e & l | e & l, juv | l & juv | juv | juv | | |

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