

TIJUANA RIVER NEEDS AND OPPORTUNITIES ASSESSMENT - ALTERNATIVE EVALUATION MATRIX (DRAFT) - 10/24/19													
Alternative	Projects	Description	Metrics										
					Implementation and O&M			Environmental		Community/Societal			
			Estimated Cost <sup>1</sup>	Avg. Trans-boundary Flows <sup>2</sup> (baseline of 138 days/yr <sup>3</sup> )	Technical Feasibility	Operating Complexity	Sustainability (i.e., energy usage)	Impact to Habitat (River Valley)	Impact to Habitat (Ocean)	Environmental Justice	Ancillary Community Benefits	Community Disruption	Public Support
Ratings													
A	3a/4a	Diversion of up to 35 mgd to New SBIWTP for Primary Treatment and Discharge to Deep Ocean through SBOO	Implementation: \$78M Annual O&M: \$1.9M/yr Env. Monitoring: \$10M	56 days (61%)	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
B	3b/4b	Diversion of up to 100 mgd to New SBIWTP for Primary Treatment and Discharge to Deep Ocean through SBOO	Implementation: \$167M Annual O&M: \$2.9M/yr Env. Monitoring: \$10M	20 days (84%)	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
C	3c/4c	Diversion of up to 163 mgd to New SBIWTP for Primary Treatment and Discharge to Deep Ocean through SBOO	Implementation: \$246M Annual O&M: \$4.5M/yr Env. Monitoring: \$10M	12 days (91%)	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
D	3c/4d	Diversion of up to 163 mgd to New SBIWTP for Primary Treatment and Discharge to Deep Ocean through SBOO, plus Additional Storage at New San Ysidro Basin	Implementation: \$408M Annual O&M: \$4.8M/yr Env. Monitoring: \$10M	12 days (91%)	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
E	3a/4e	Diversion of up to 35 mgd to Existing SBIWTP for Primary Treatment and Discharge to Deep Ocean through SBOO (per NADB Tijuana River Diversion Study Alternative 4B)	Implementation: \$52M Annual O&M: \$7M/yr Env. Monitoring: \$10M	56 days (61%)	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
F	5a/6a	Diversion of up to 20 mgd to Existing SBWRP and Discharge to Deep Ocean through SBOO	Implementation: \$47M Annual O&M: \$1M/yr Env. Monitoring: \$10M	75 days (46%)	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
G	5b/6b	Diversion of up to 50 mgd to Existing SBWRP and Discharge to Deep Ocean through SBOO	Implementation: \$83M Annual O&M: \$1.5M/yr Env. Monitoring: \$10M	41 days (70%)	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
H	7	Pumped Direct Discharge of up to 193 mgd to SBOO without Treatment	Implementation: \$22M Annual O&M: \$1.6M/yr Env. Monitoring: \$10M	9 days (93%)	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
I	8	Gravity Flow Direct Discharge of up to 193 mgd to SBOO without Treatment	Implementation: \$87M Annual O&M: \$125K/yr Env. Monitoring: \$10M	9 days (93%)	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
J	9	Tijuana River In-Stream Water Quality Detention Basin - 20 mgd	Implementation: \$75M Annual O&M: \$200K/yr Env. Monitoring: \$10M	75 days (46%)	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
<div><div><div><div><div><sup>1</sup> Includes \$4M for environmental permitting and \$1M/yr for 10 years for environmental monitoring; environmental mitigation is excluded.</div><div><sup>2</sup> This column includes the number of transboundary flow days per year estimated to remain unaddressed after implementation of the projects in each alternative. The percentage reflects estimated reduction in transboundary flow days/year from baseline.</div><div><sup>3</sup> Per EPA's Tijuana River Diversion Study</div></div></div><div><div><div><div><div></div><div>Positive Impact</div></div><div><div></div><div>Moderate Impact</div></div><div><div></div><div>Negative Impact</div></div></div></div></div></div></div>													



