

APPENDIX L

SEDIMENT QUALITY OBJECTIVE ASSESSMENT SCORES

2023 RHMP SQO Assessment Score Summary Table

Table L-1.
2023 RHMP Sediment Quality Objectives (SQO) Assessment
Integrated SQO Scores

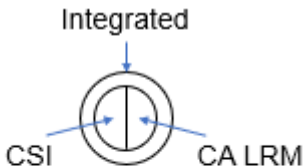
Harbor	Strata	Station	Sediment Chemistry Exposure	Sediment Toxicity	Benthic Community Condition	Integrated Station Assessment
Dana Point Harbor	Marina	B23-12063	Low Exposure	Nontoxic	Low Disturbance	Unimpacted
Dana Point Harbor	Deep	B23-12064	Minimal Exposure	Nontoxic	Low Disturbance	Unimpacted
Dana Point Harbor	Marina	B23-12065	Moderate Exposure	Nontoxic	Moderate Disturbance	Possibly impacted
Dana Point Harbor	Marina	B23-12066	Low Exposure	Nontoxic	Moderate Disturbance	Likely unimpacted
Oceanside Harbor	Marina	B23-12059	Low Exposure	Nontoxic	Reference	Unimpacted
Oceanside Harbor	Deep	B23-12060	Low Exposure	Low Toxicity	Low Disturbance	Likely unimpacted
Oceanside Harbor	FW-Influenced	B23-12061	Low Exposure	Nontoxic	Low Disturbance	Unimpacted
Oceanside Harbor	Marina	B23-12062	Moderate Exposure	Nontoxic	Moderate Disturbance	Possibly impacted
Mission Bay	Deep	B23-12022	Minimal Exposure	Nontoxic	High Disturbance	Likely unimpacted
Mission Bay	Shallow	B23-12023	Minimal Exposure	Nontoxic	Low Disturbance	Unimpacted
Mission Bay	Shallow	B23-12024	Low Exposure	Low Toxicity	Moderate Disturbance	Possibly impacted
Mission Bay	FW-Influenced	B23-12025	Moderate Exposure	Low Toxicity	Moderate Disturbance	Likely impacted
Mission Bay	FW-Influenced	B23-12026	Low Exposure	Low Toxicity	Low Disturbance	Likely unimpacted
Mission Bay	Deep	B23-12055	Moderate Exposure	Low Toxicity	Reference	Likely unimpacted
Mission Bay	Marina	B23-12056	Moderate Exposure	Nontoxic	Low Disturbance	Unimpacted
Mission Bay	Marina	B23-12057	Low Exposure	Nontoxic	Reference	Unimpacted
Mission Bay	Shallow	B23-12058	Low Exposure	Nontoxic	Low Disturbance	Unimpacted
North San Diego Bay	Deep	B23-12014	Minimal Exposure	Nontoxic	Moderate Disturbance	Likely unimpacted
North San Diego Bay	Deep	B23-12019	Low Exposure	Nontoxic	Reference	Unimpacted
North San Diego Bay	Deep	B23-12020	Low Exposure	Low Toxicity	Reference	Unimpacted
North San Diego Bay	Deep	B23-12021	Low Exposure	Nontoxic	Reference	Unimpacted
North San Diego Bay	Marina	B23-12047	Moderate Exposure	Low Toxicity	Reference	Likely unimpacted
North San Diego Bay	Marina	B23-12048	Moderate Exposure	Nontoxic	Moderate Disturbance	Possibly impacted
North San Diego Bay	Marina	B23-12049	Moderate Exposure	Low Toxicity	Moderate Disturbance	Likely impacted
North San Diego Bay	Marina	B23-12050	Moderate Exposure	Low Toxicity	Moderate Disturbance	Likely impacted
North San Diego Bay	Marina	B23-12051	Moderate Exposure	Low Toxicity	Moderate Disturbance	Likely impacted
North San Diego Bay	Shallow	B23-12052	Low Exposure	Nontoxic	Reference	Unimpacted
North San Diego Bay	Marina	B23-12053	Moderate Exposure	Moderate Toxicity	Low Disturbance	Possibly impacted
North San Diego Bay	Shallow	B23-12054	Moderate Exposure	Low Toxicity	Low Disturbance	Possibly impacted
North San Diego Bay	Deep	B23-12116	Low Exposure	Nontoxic	Low Disturbance	Unimpacted
North San Diego Bay	Deep	B23-12117	Minimal Exposure	Nontoxic	Reference	Unimpacted
North San Diego Bay	Industrial/Port	B23-12118	Moderate Exposure	Low Toxicity	Low Disturbance	Possibly impacted
North San Diego Bay	Industrial/Port	B23-12119	Low Exposure	Low Toxicity	Reference	Unimpacted
North San Diego Bay	Industrial/Port	B23-12120	Moderate Exposure	Low Toxicity	Low Disturbance	Possibly impacted
North San Diego Bay	Shallow	B23-12121	Low Exposure	Low Toxicity	Low Disturbance	Likely unimpacted
North San Diego Bay	Deep	B23-12122	Minimal Exposure	Low Toxicity	Reference	Unimpacted
North San Diego Bay	Deep	B23-12123	Moderate Exposure	Nontoxic	Reference	Unimpacted
North San Diego Bay	Deep	B23-12124	Low Exposure	Low Toxicity	Low Disturbance	Likely unimpacted
North San Diego Bay	Marina	B23-12841	Moderate Exposure	Low Toxicity	Low Disturbance	Possibly impacted
Central San Diego Bay	Shallow	B23-12009	Low Exposure	Low Toxicity	Low Disturbance	Likely unimpacted
Central San Diego Bay	Shallow	B23-12010	Low Exposure	Low Toxicity	Low Disturbance	Likely unimpacted
Central San Diego Bay	Shallow	B23-12011	Low Exposure	Low Toxicity	Moderate Disturbance	Possibly impacted
Central San Diego Bay	Deep	B23-12012	Low Exposure	Nontoxic	Low Disturbance	Unimpacted
Central San Diego Bay	Deep	B23-12089	Low Exposure	Nontoxic	Low Disturbance	Unimpacted
Central San Diego Bay	Industrial/Port	B23-12090	Minimal Exposure	Nontoxic	Low Disturbance	Unimpacted
Central San Diego Bay	Industrial/Port	B23-12091	Moderate Exposure	Moderate Toxicity	Low Disturbance	Possibly impacted
Central San Diego Bay	Industrial/Port	B23-12093	Low Exposure	Low Toxicity	Low Disturbance	Likely unimpacted
Central San Diego Bay	Industrial/Port	B23-12095	Moderate Exposure	Low Toxicity	Low Disturbance	Possibly impacted
Central San Diego Bay	Industrial/Port	B23-12096	Moderate Exposure	Low Toxicity	High Disturbance	Likely impacted
Central San Diego Bay	Industrial/Port	B23-12097	Moderate Exposure	Low Toxicity	Moderate Disturbance	Likely impacted
Central San Diego Bay	Industrial/Port	B23-12098	Moderate Exposure	Low Toxicity	High Disturbance	Likely impacted
Central San Diego Bay	Industrial/Port	B23-12099	Moderate Exposure	Low Toxicity	High Disturbance	Likely impacted
Central San Diego Bay	FW-Influenced	B23-12102	High Exposure	Low Toxicity	Moderate Disturbance	Likely impacted
Central San Diego Bay	Industrial/Port	B23-12103	Moderate Exposure	Moderate Toxicity	Low Disturbance	Possibly impacted
Central San Diego Bay	Industrial/Port	B23-12107	High Exposure	Low Toxicity	Moderate Disturbance	Likely impacted
Central San Diego Bay	FW-Influenced	B23-12109	High Exposure	Low Toxicity	Reference	Likely unimpacted
Central San Diego Bay	FW-Influenced	B23-12110	High Exposure	Low Toxicity	Low Disturbance	Possibly impacted
Central San Diego Bay	Industrial/Port	B23-12114	Moderate Exposure	Low Toxicity	Low Disturbance	Possibly impacted
Central San Diego Bay	Industrial/Port	B23-12115	Moderate Exposure	Low Toxicity	Moderate Disturbance	Likely impacted
Central San Diego Bay	FW-Influenced	B23-12155	High Exposure	Moderate Toxicity	High Disturbance	Clearly impacted
South San Diego Bay	Shallow	B23-12000	Low Exposure	Nontoxic	Moderate Disturbance	Likely unimpacted
South San Diego Bay	Shallow	B23-12001	Low Exposure	Nontoxic	Moderate Disturbance	Likely unimpacted
South San Diego Bay	Shallow	B23-12002	Low Exposure	Low Toxicity	Moderate Disturbance	Possibly impacted
South San Diego Bay	Shallow	B23-12003	Low Exposure	Low Toxicity	Moderate Disturbance	Possibly impacted
South San Diego Bay	Shallow	B23-12004	Moderate Exposure	Low Toxicity	Low Disturbance	Possibly impacted
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South San Diego Bay	FW-Influenced	B23-12006	Moderate Exposure	Nontoxic	Moderate Disturbance	Possibly impacted
South San Diego Bay	FW-Influenced	B23-12007	Minimal Exposure	Nontoxic	Low Disturbance	Unimpacted
South San Diego Bay	FW-Influenced	B23-12008	Low Exposure	Nontoxic	Low Disturbance	Unimpacted
South San Diego Bay	Shallow	B23-12045	Moderate Exposure	Low Toxicity	Moderate Disturbance	Likely impacted
South San Diego Bay	Marina	B23-12046	Low Exposure	Low Toxicity	Moderate Disturbance	Possibly impacted
South San Diego Bay	FW-Influenced	B23-12148	Low Exposure	Low Toxicity	Moderate Disturbance	Possibly impacted
South San Diego Bay	FW-Influenced	B23-12150	Low Exposure	Nontoxic	Moderate Disturbance	Likely unimpacted
South San Diego Bay	FW-Influenced	B23-12151	Low Exposure	Low Toxicity	Reference	Unimpacted
South San Diego Bay	FW-Influenced	B23-12152	Low Exposure	Nontoxic	Moderate Disturbance	Likely unimpacted

**2023 RHMP SQO Assessment Score Maps –
Sediment Chemistry SQO LOE**

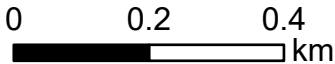
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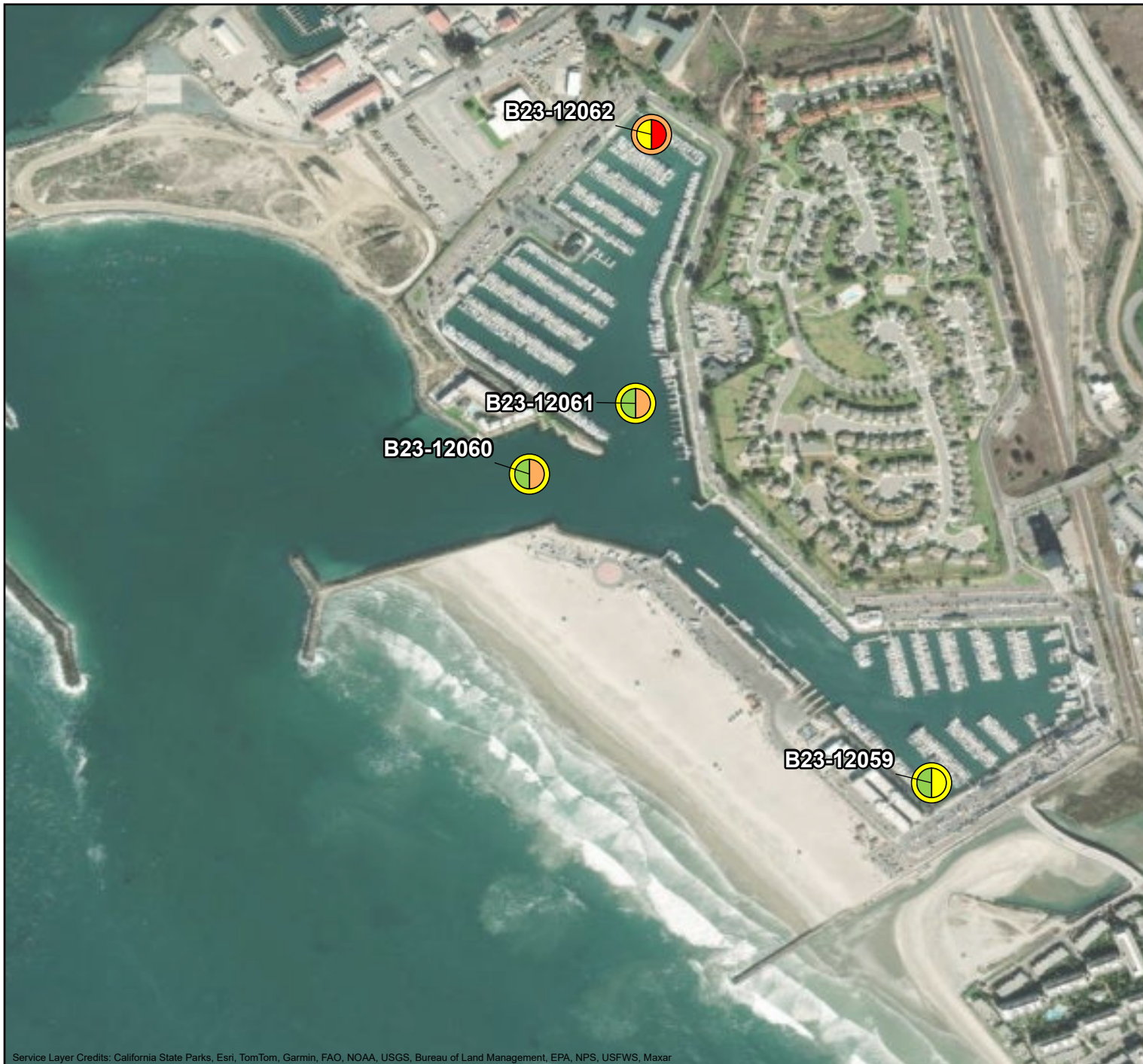
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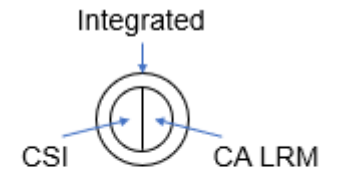
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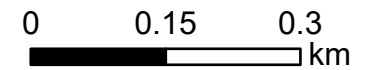
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2023 RHMP SQO Chemistry LOE



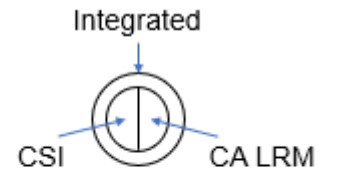
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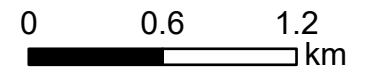
Mission Bay



2023 RHMP SQO Chemistry LOE



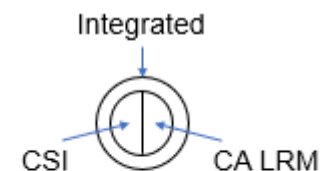
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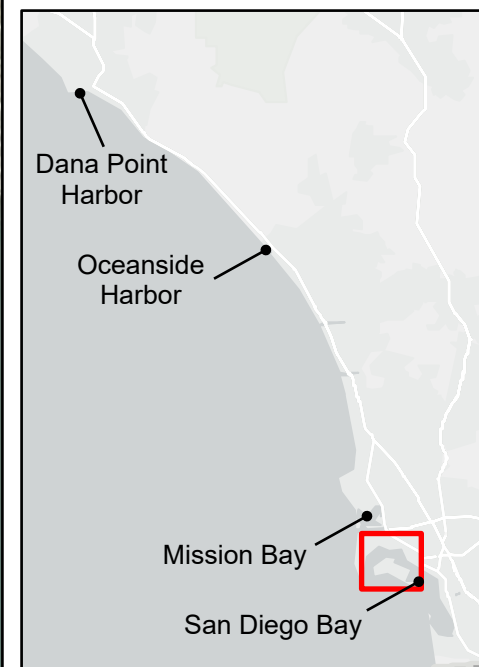
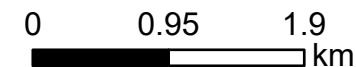
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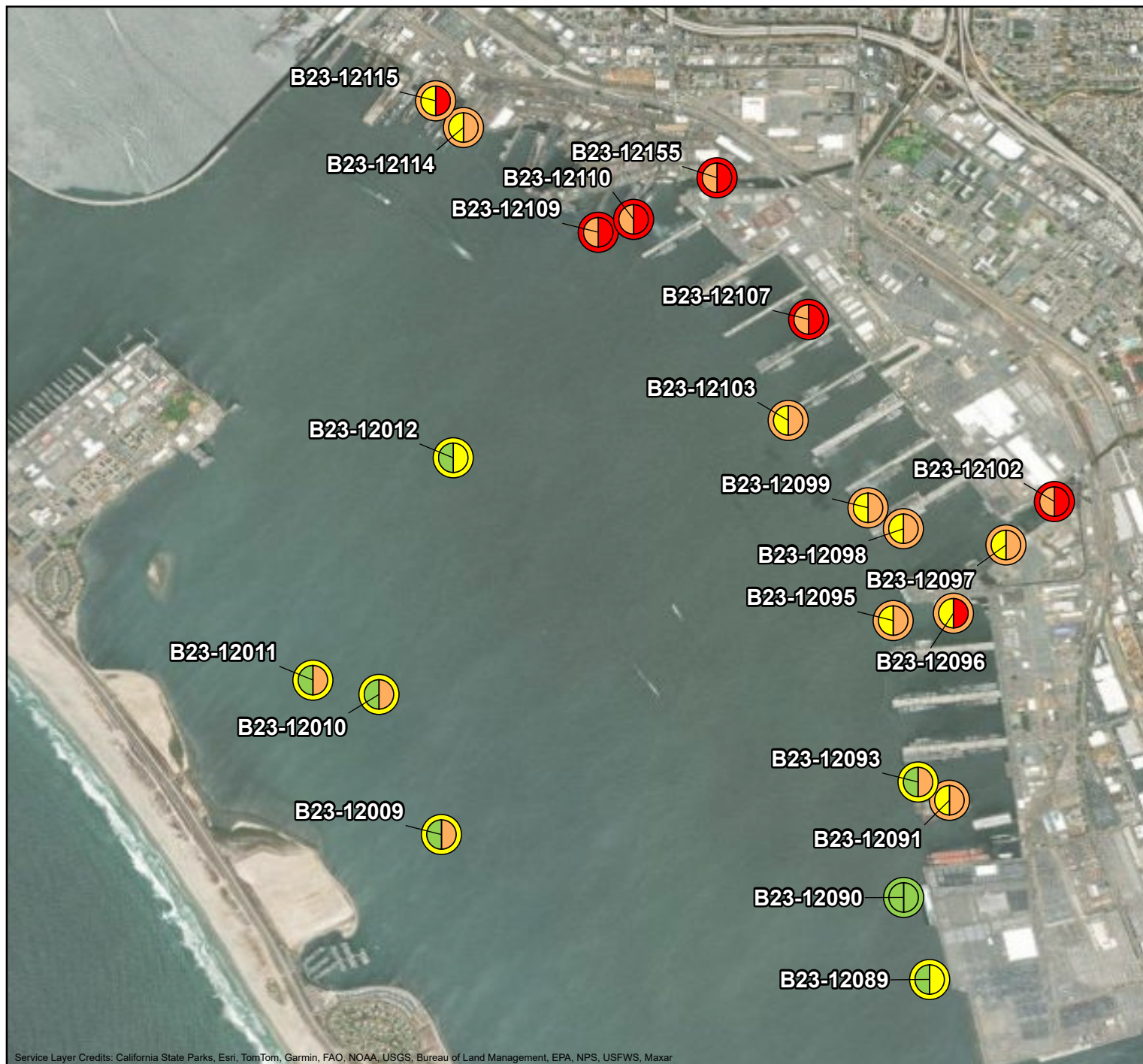
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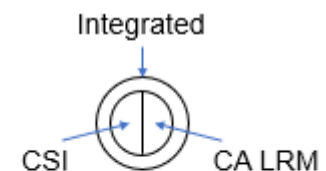
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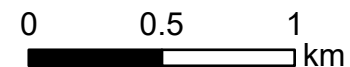
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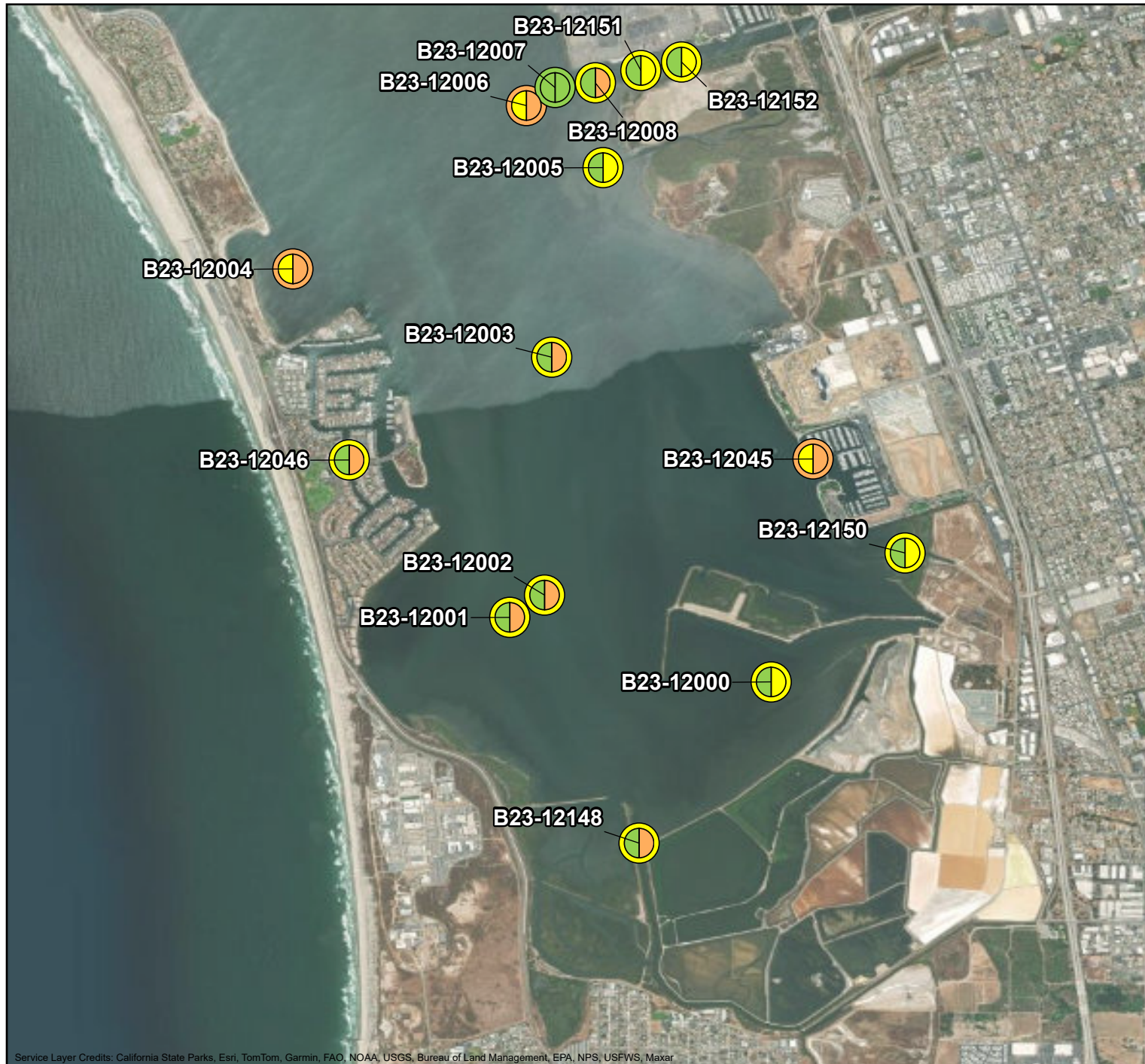
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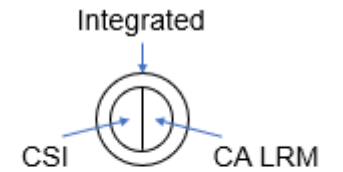
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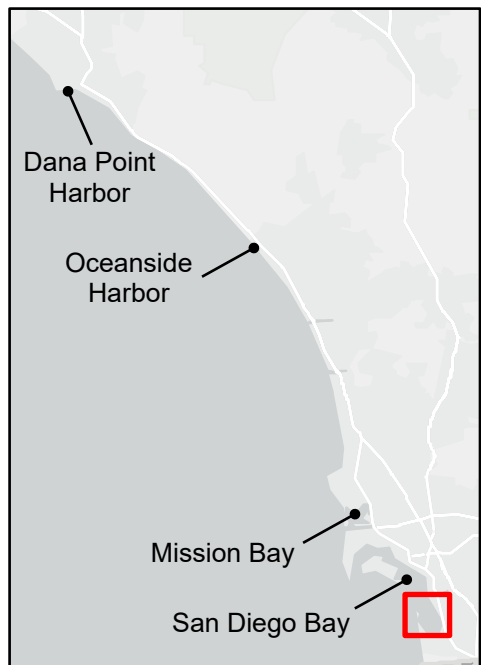
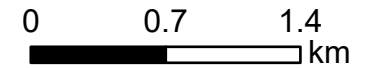
South San Diego Bay



2023 RHMP SQO Chemistry LOE



Exposure Category

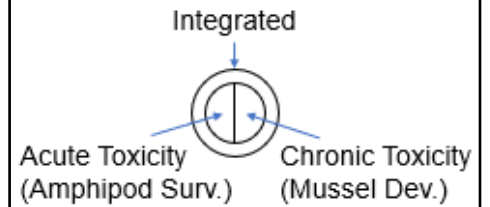


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Sediment Toxicity SQO LOE**

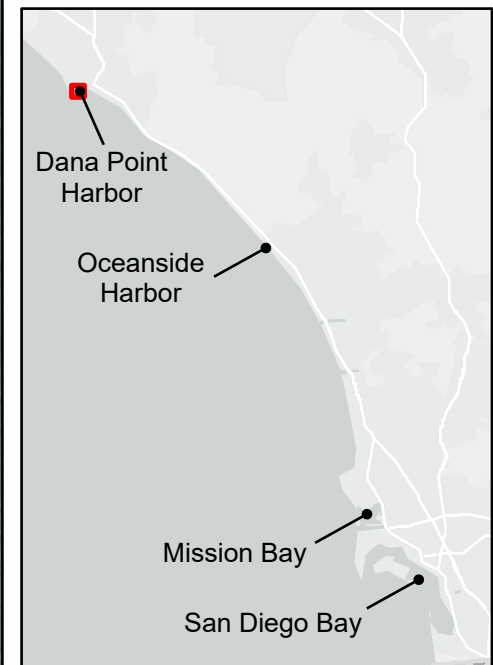
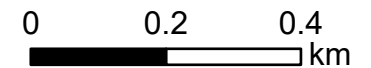
Dana Point Harbor



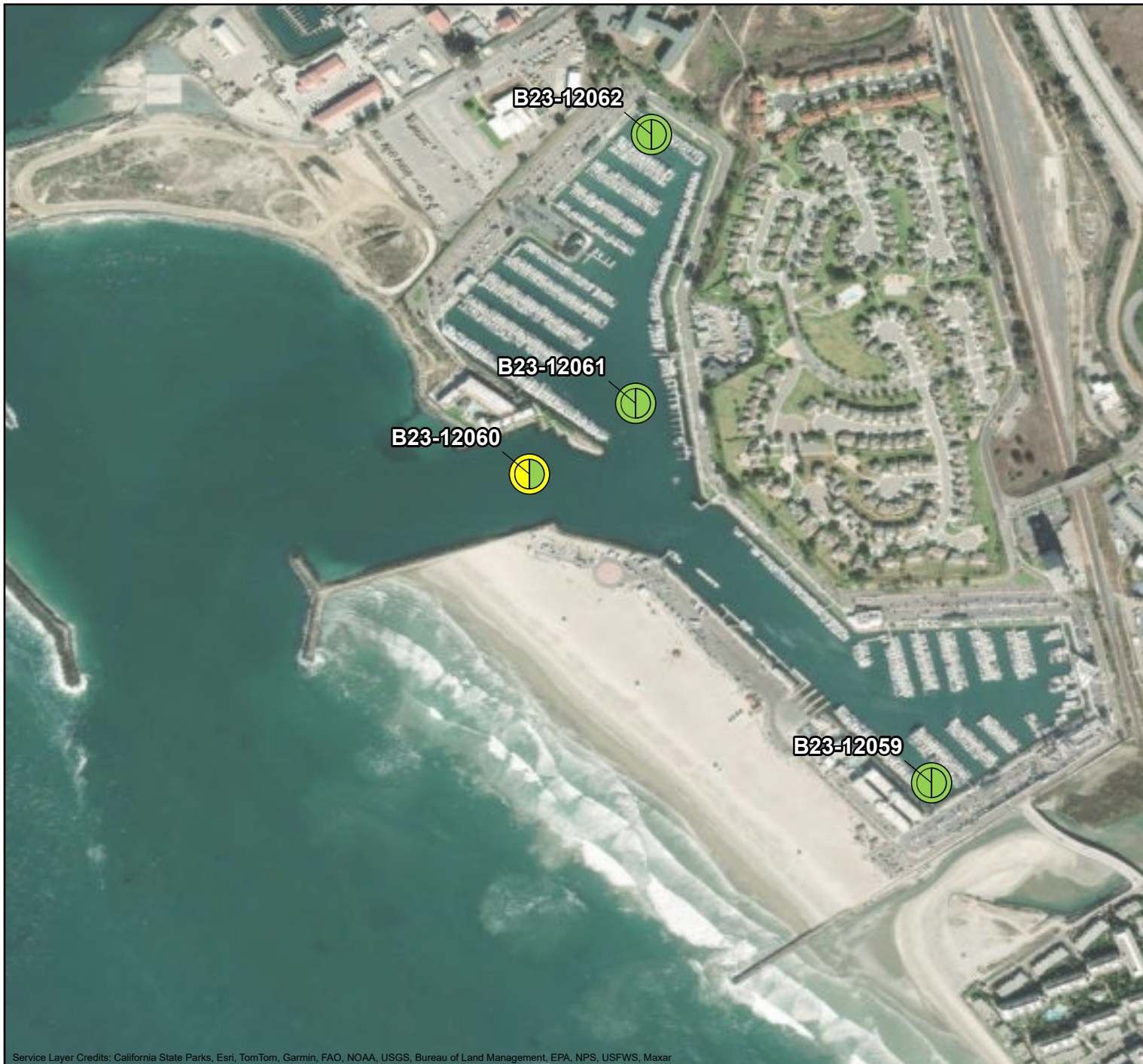
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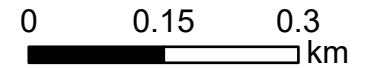
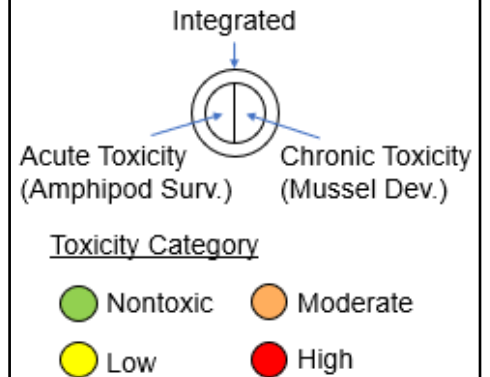
Toxicity Category



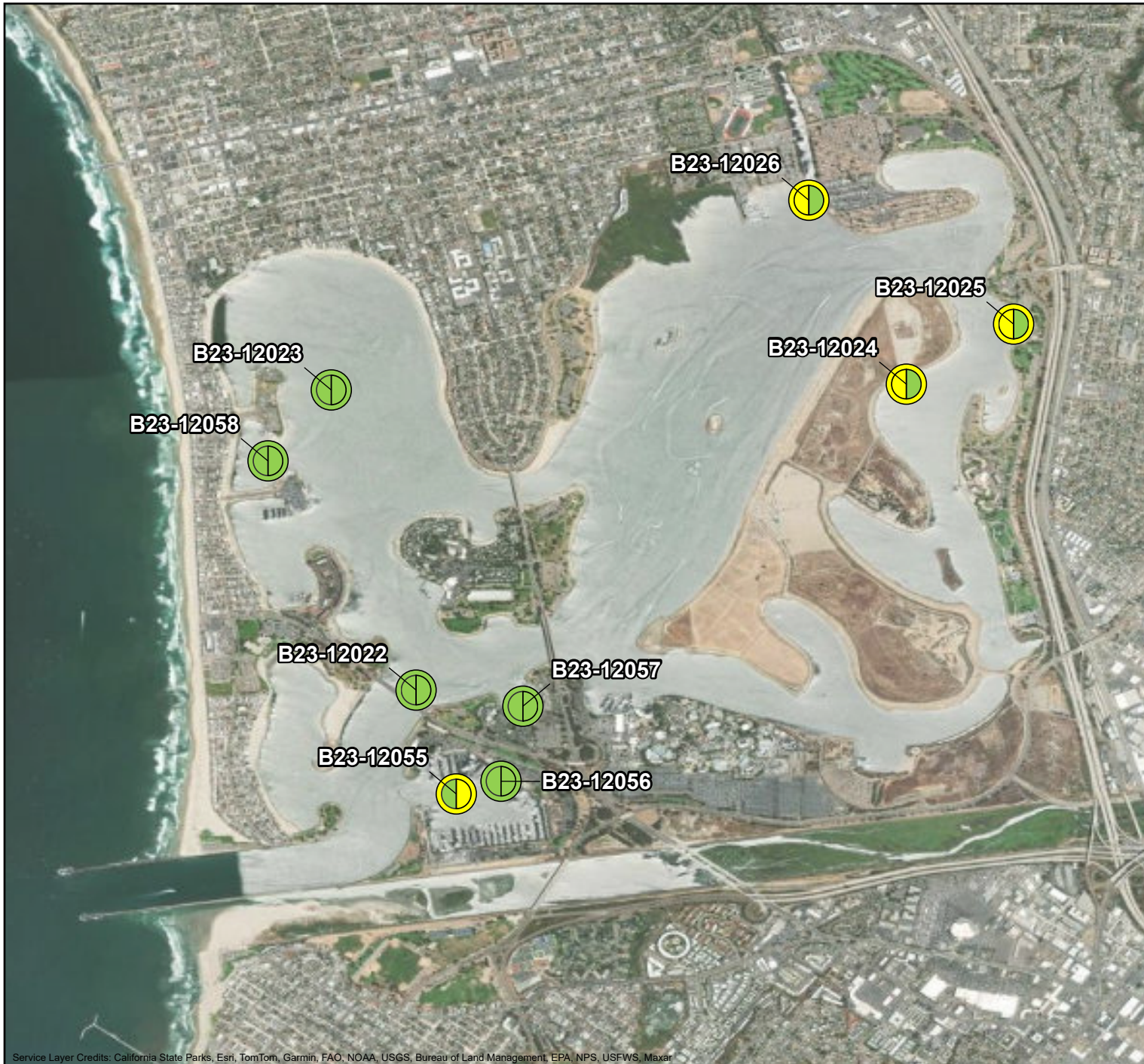
Oceanside Harbor



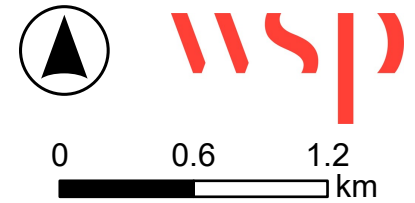
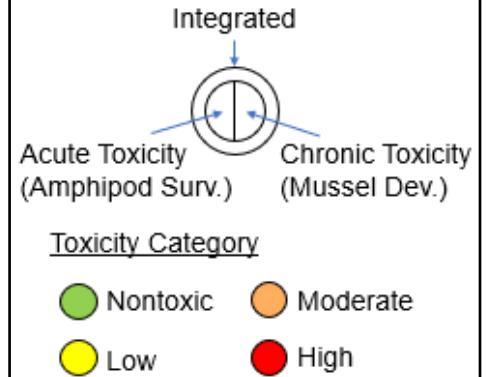
2023 RHMP SQO Toxicity LOE



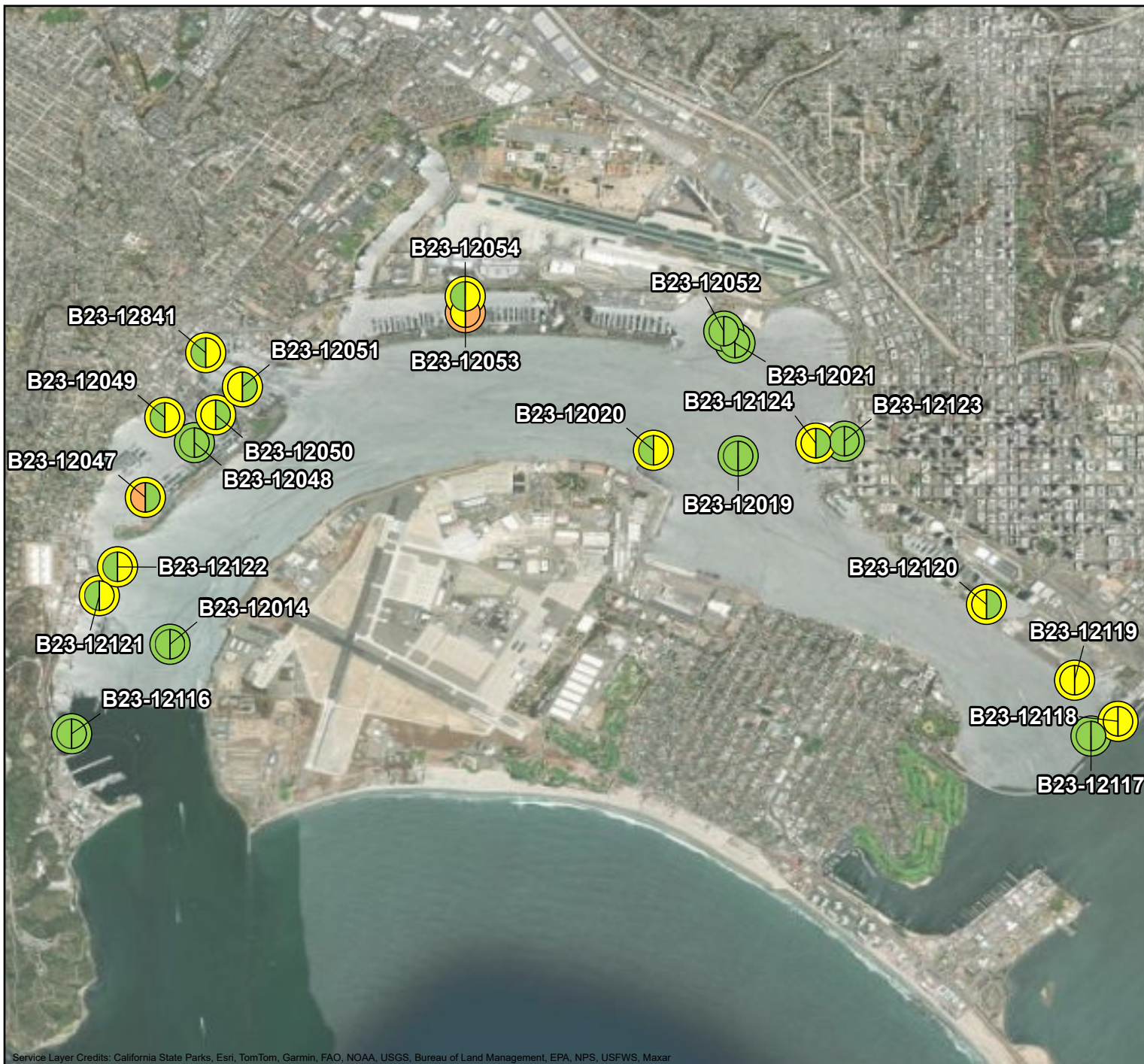
Mission Bay



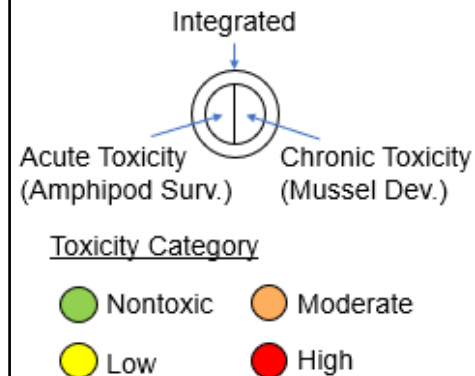
2023 RHMP SQO Toxicity LOE



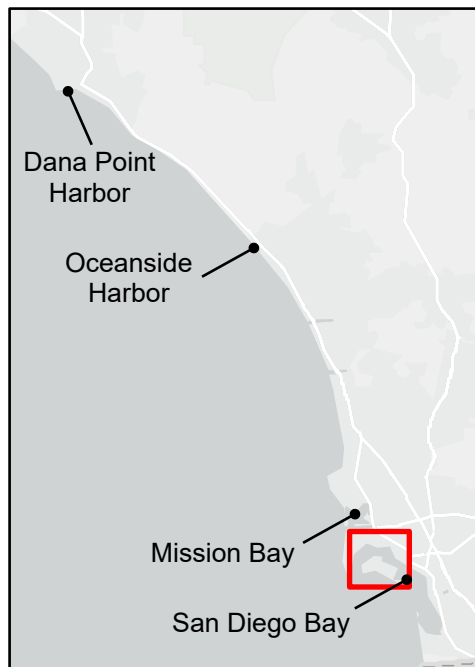
North San Diego Bay



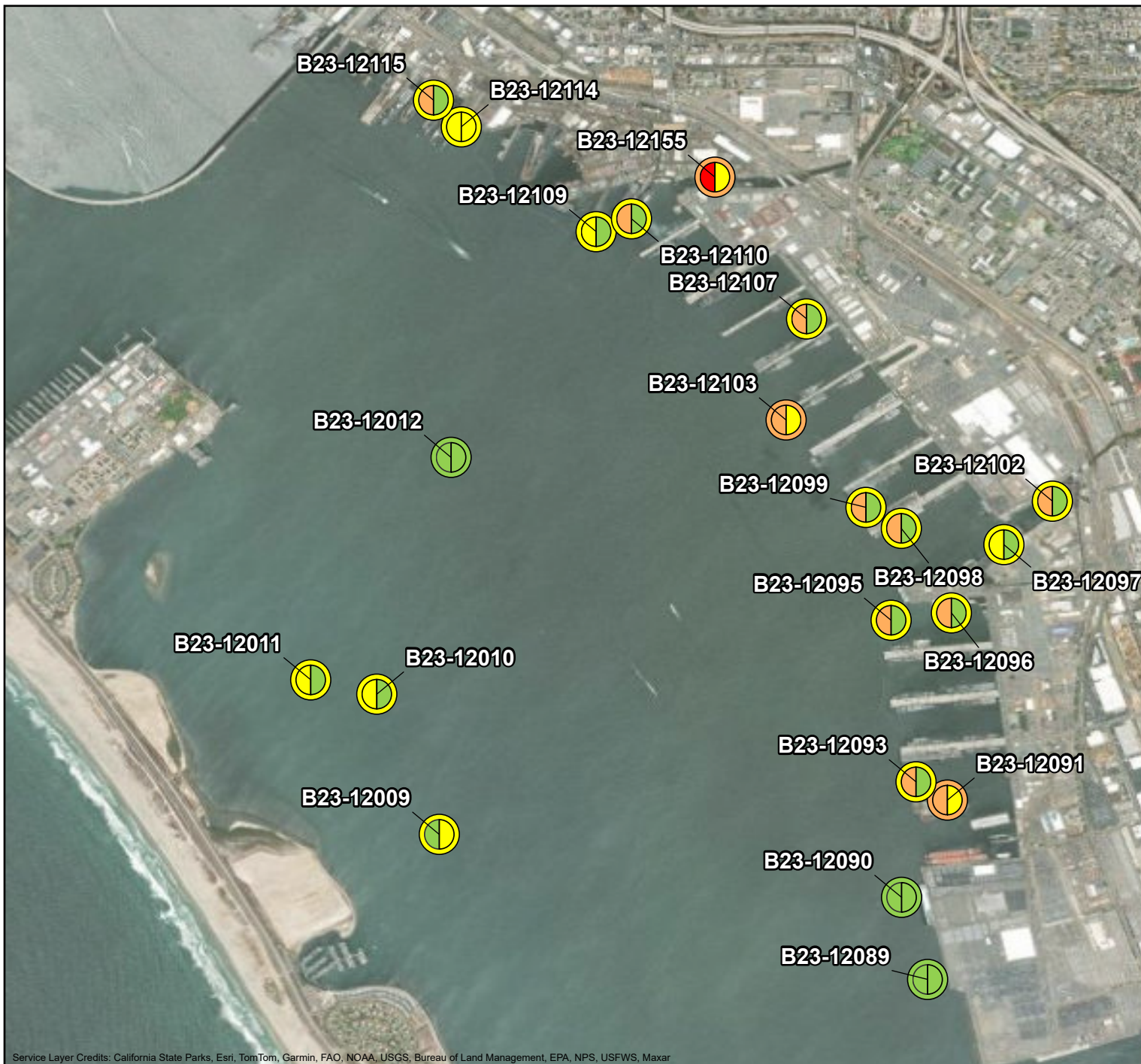
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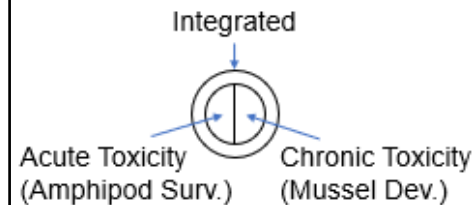
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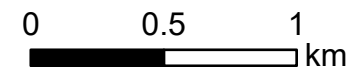
Central San Diego Bay



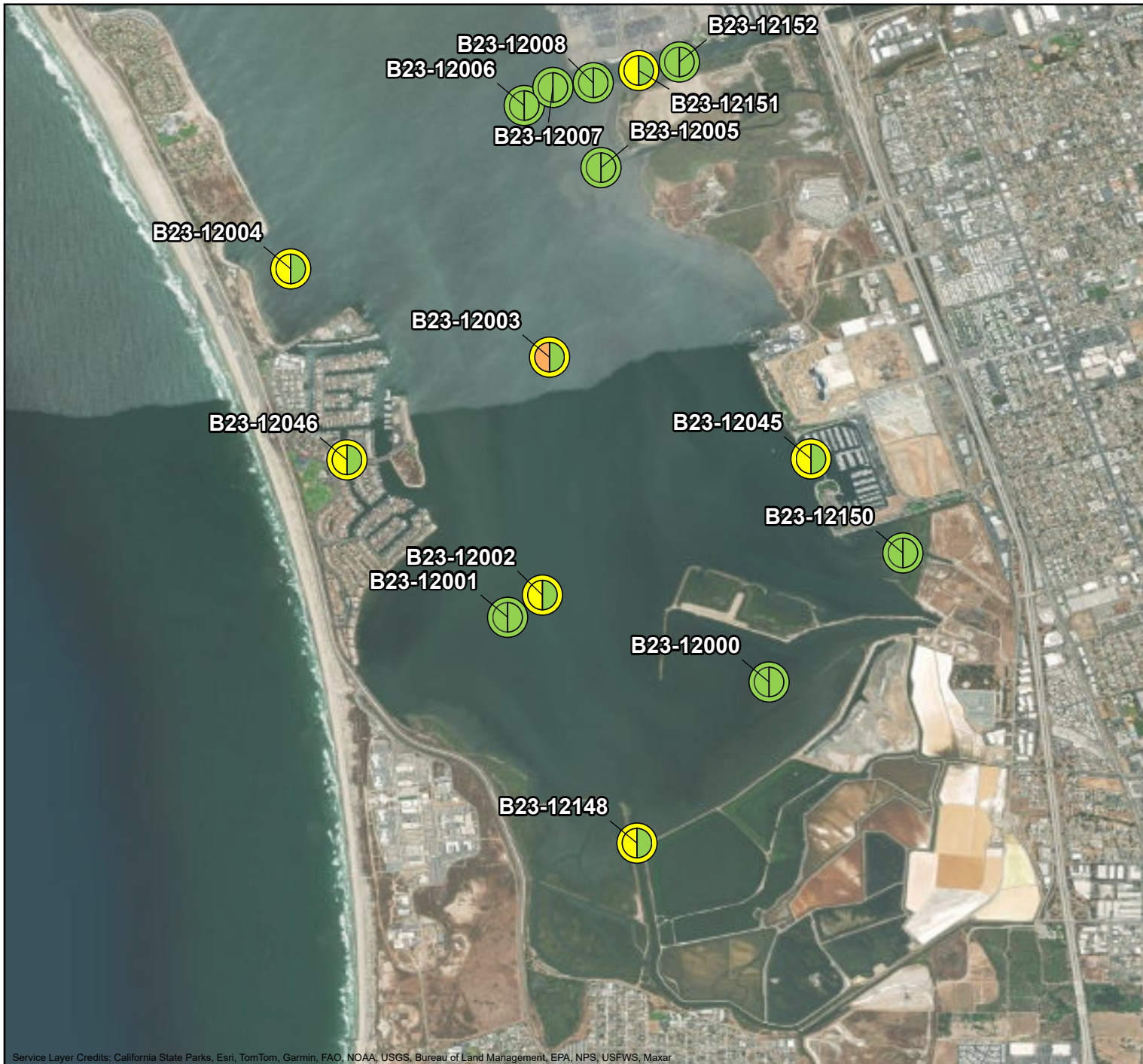
2023 RHMP SQO Toxicity LOE



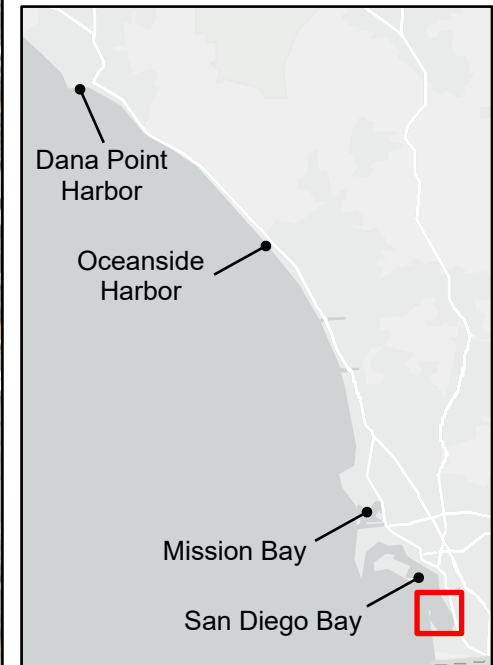
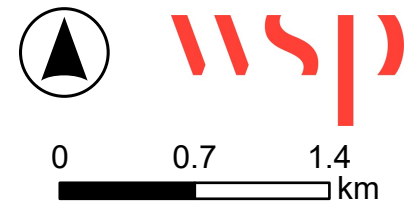
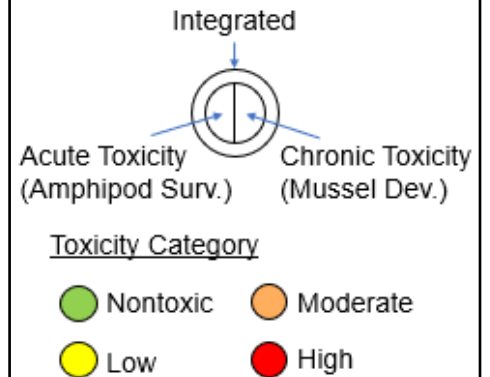
Toxicity Category



South San Diego Bay



2023 RHMP SQO Toxicity LOE

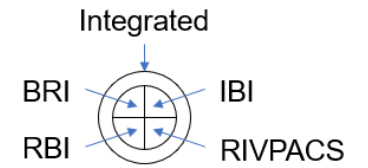


**2023 RHMP SQO Assessment Score Maps –
Benthic Infauna Community SQO LOE**

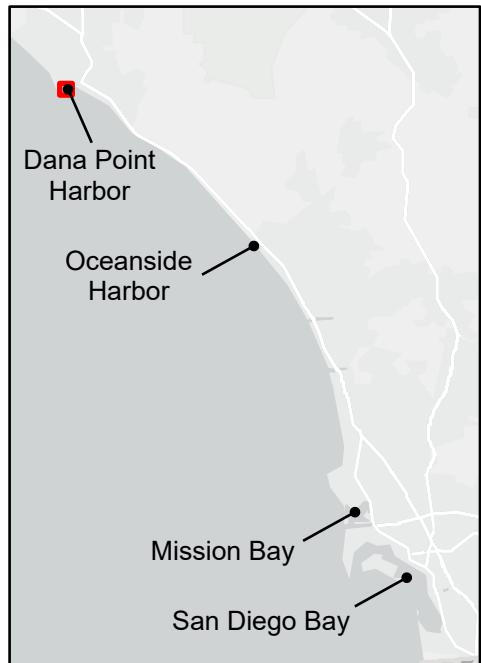
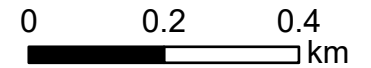
Dana Point Harbor



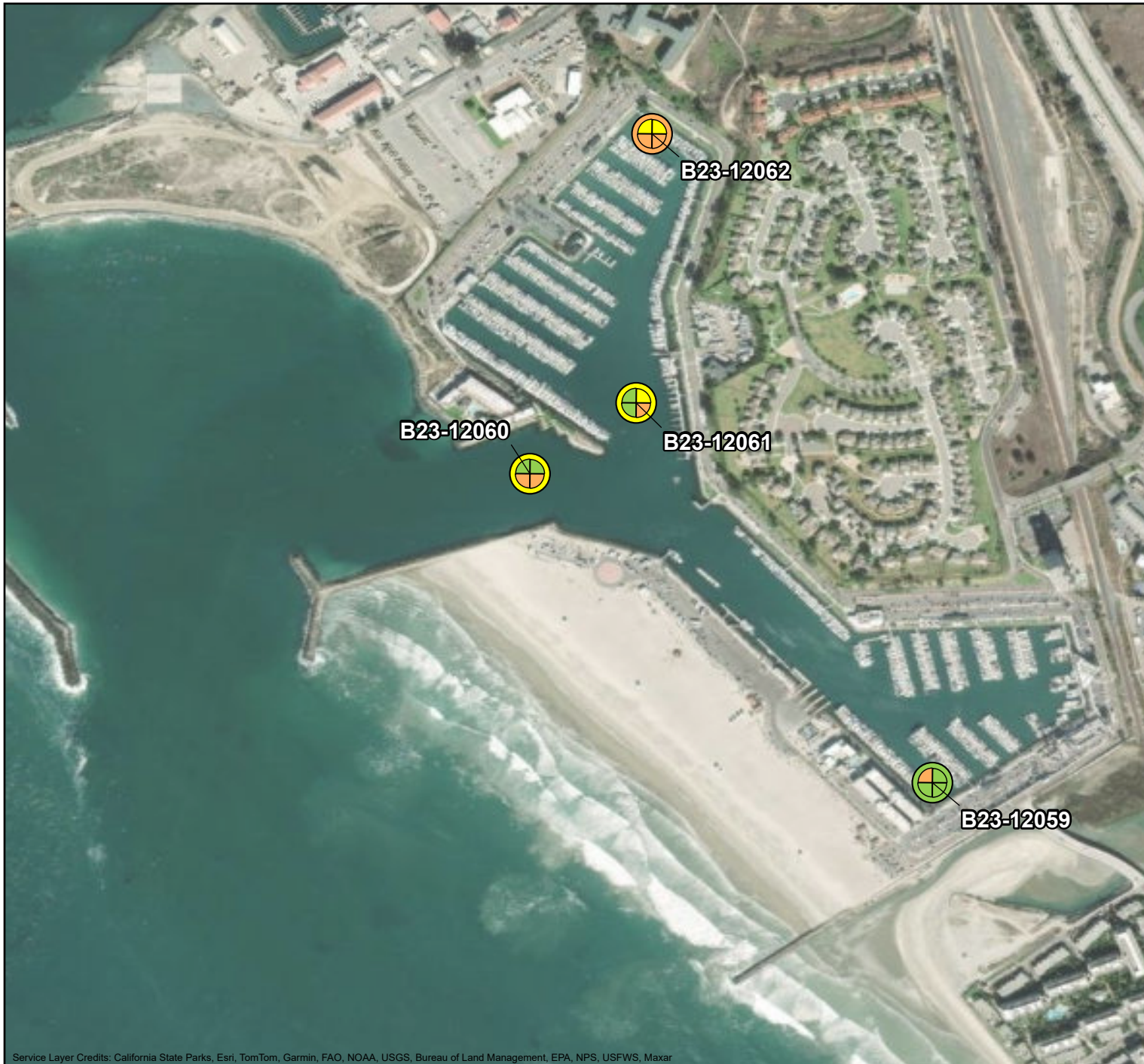
2023 RHMP SQO Benthic Community LOE



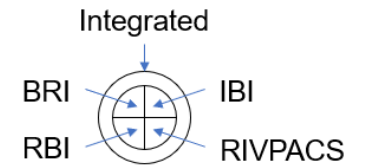
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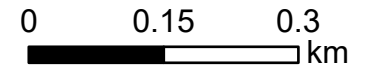
Oceanside Harbor



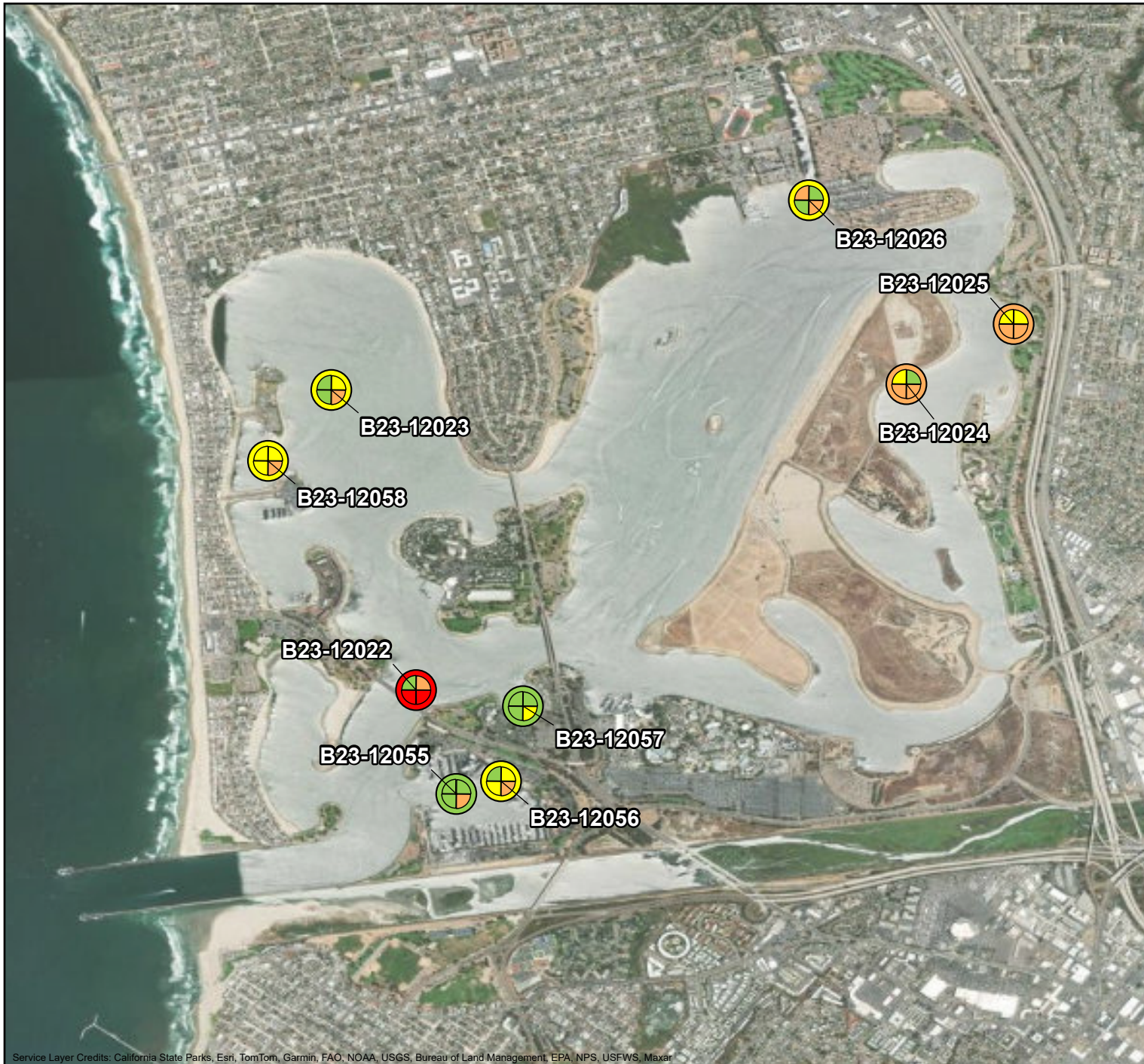
2023 RHMP SQO Benthic Community LOE



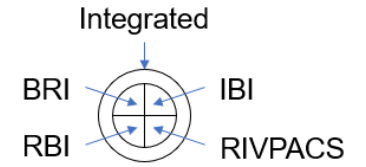
Disturbance Category



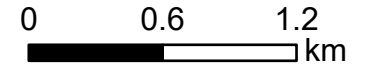
Mission Bay



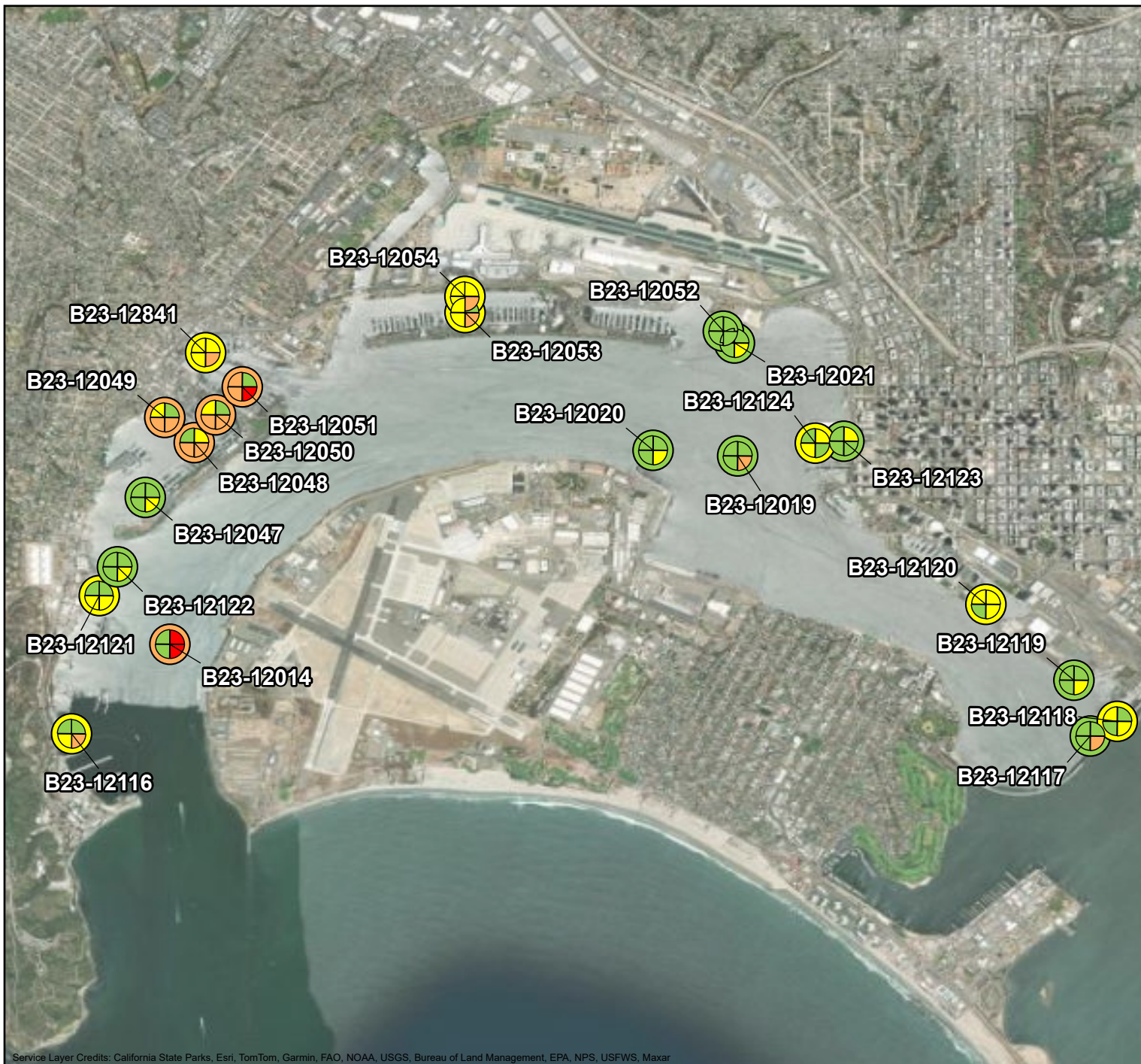
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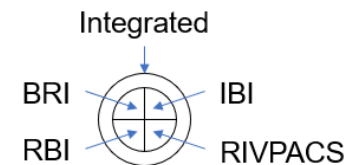
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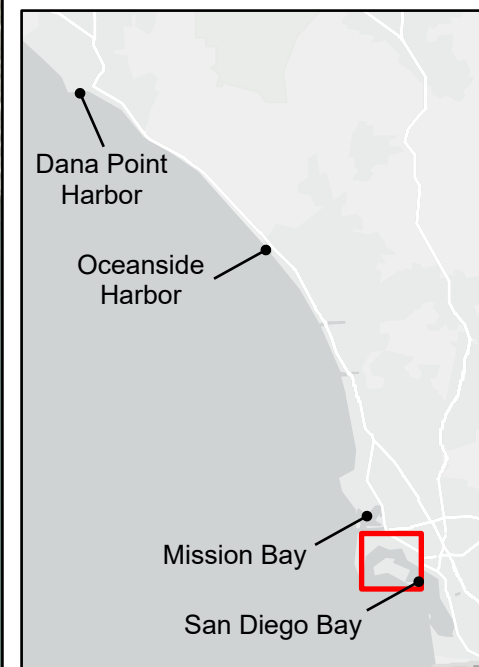
North San Diego Bay



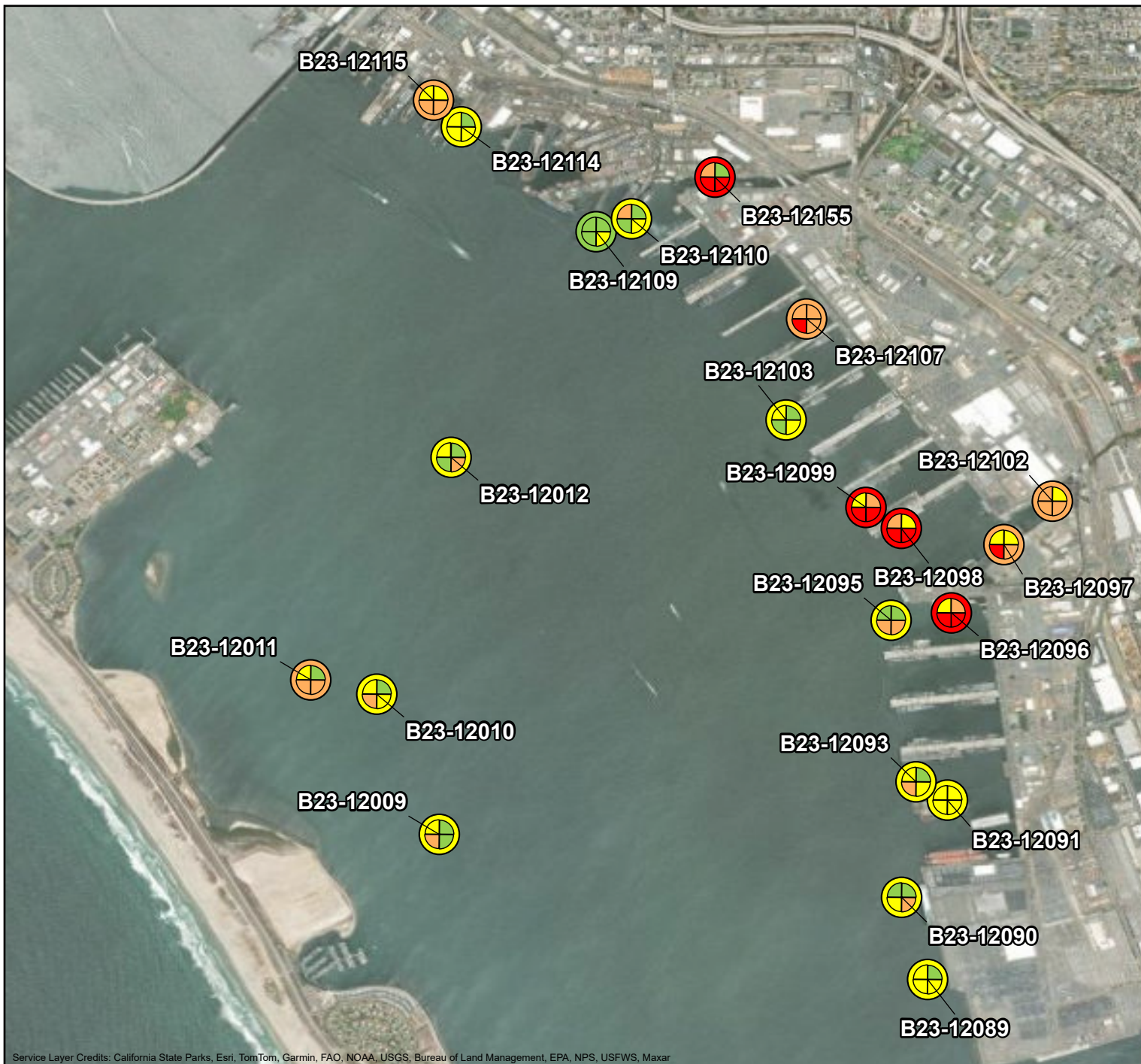
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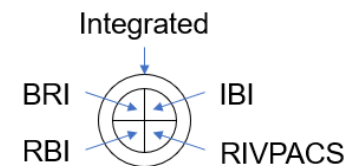
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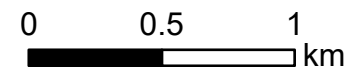
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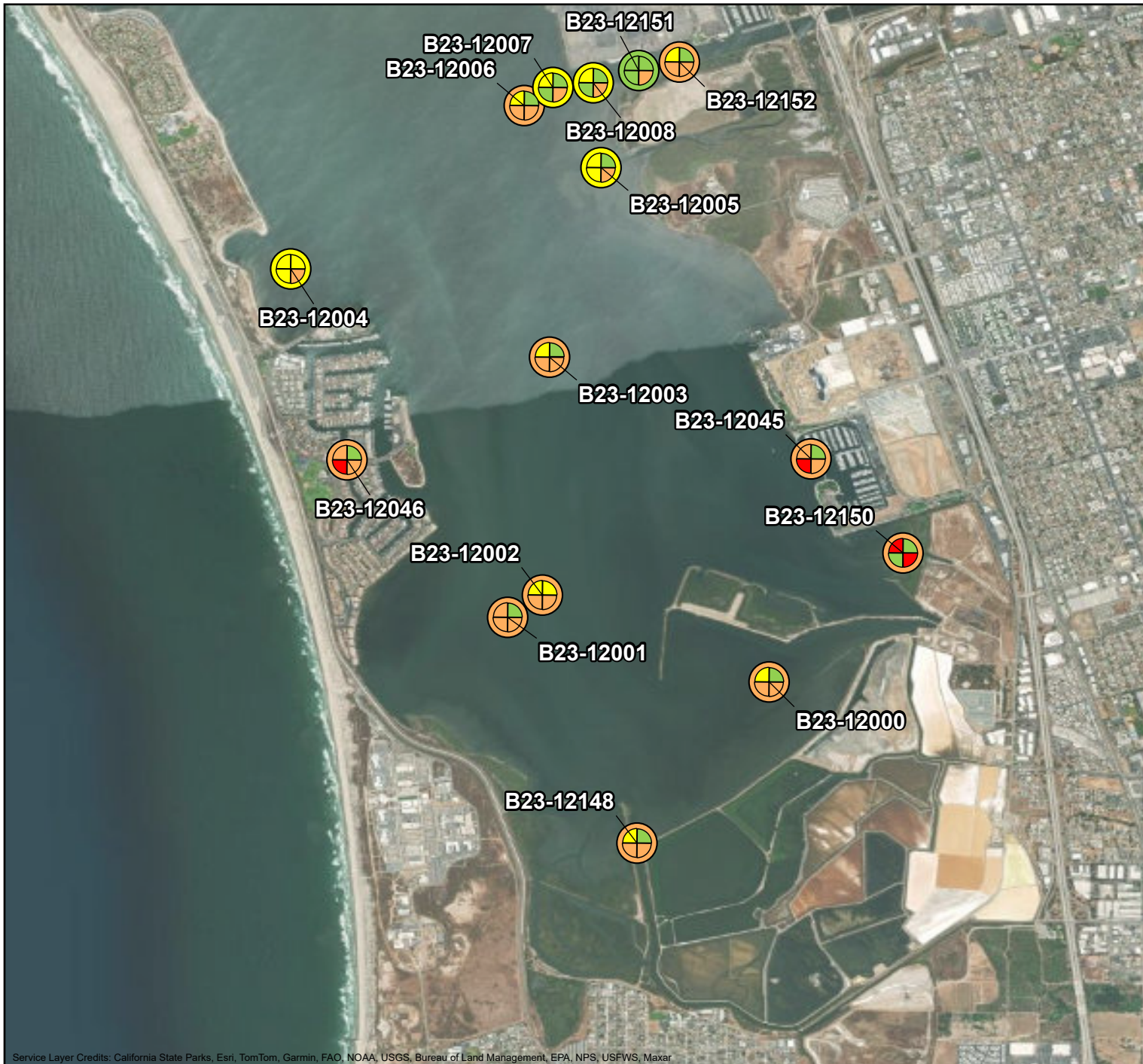
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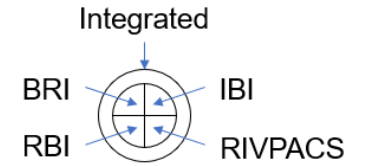
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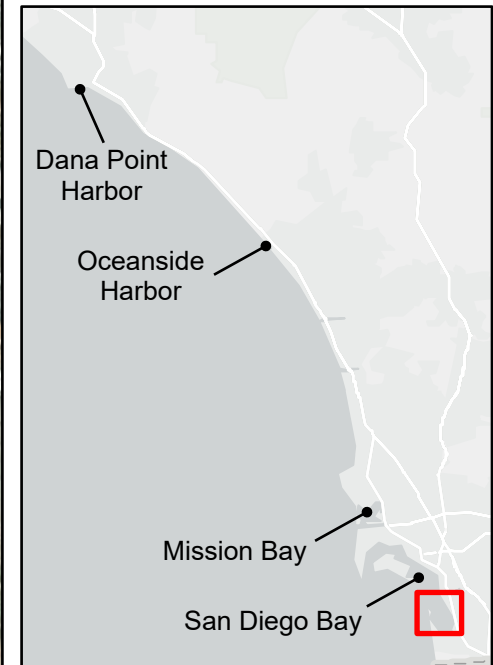
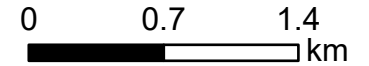
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2023 RHMP SQO Benthic Community LOE

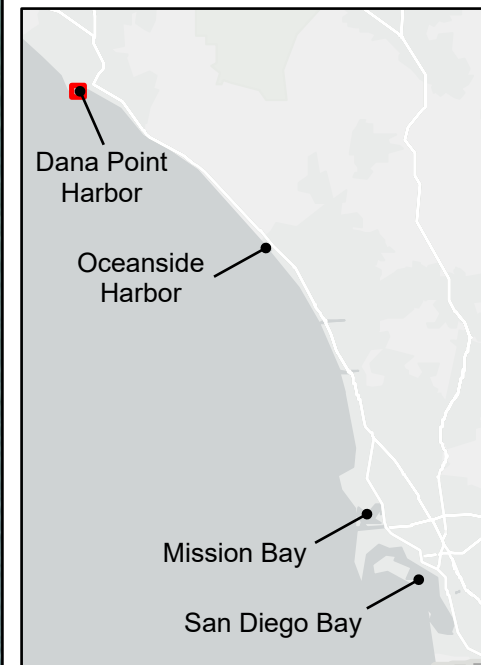
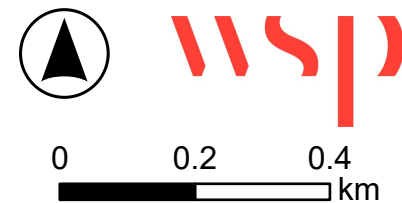
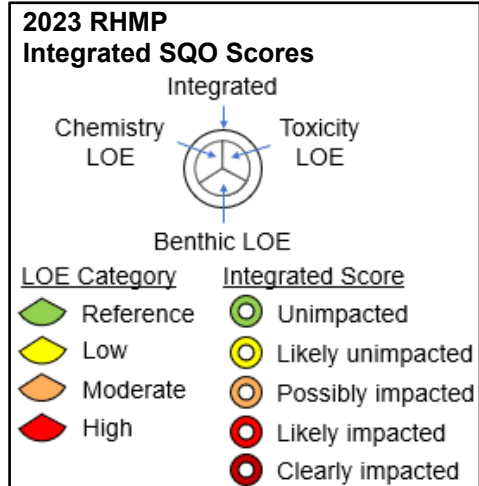


Disturbance Category

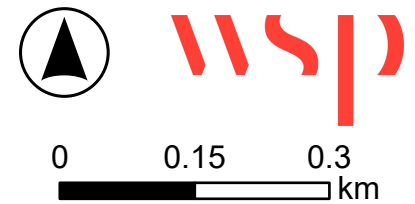
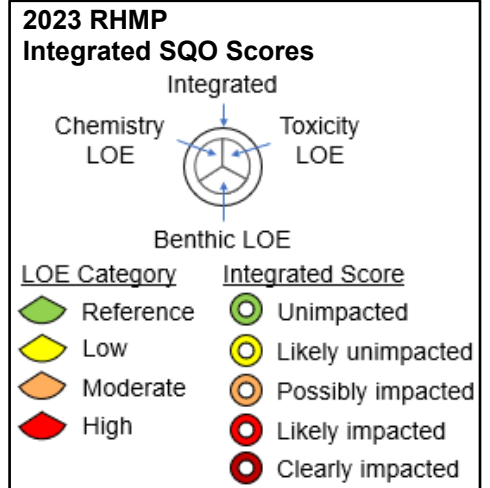


2023 RHMP SQO Assessment Score Maps – Integrated SQO Scores

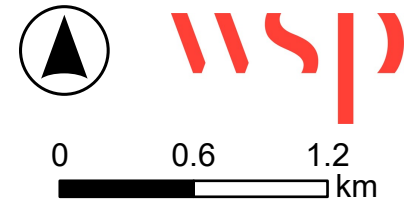
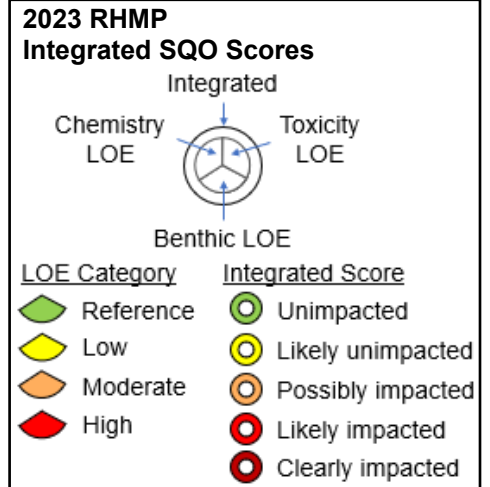
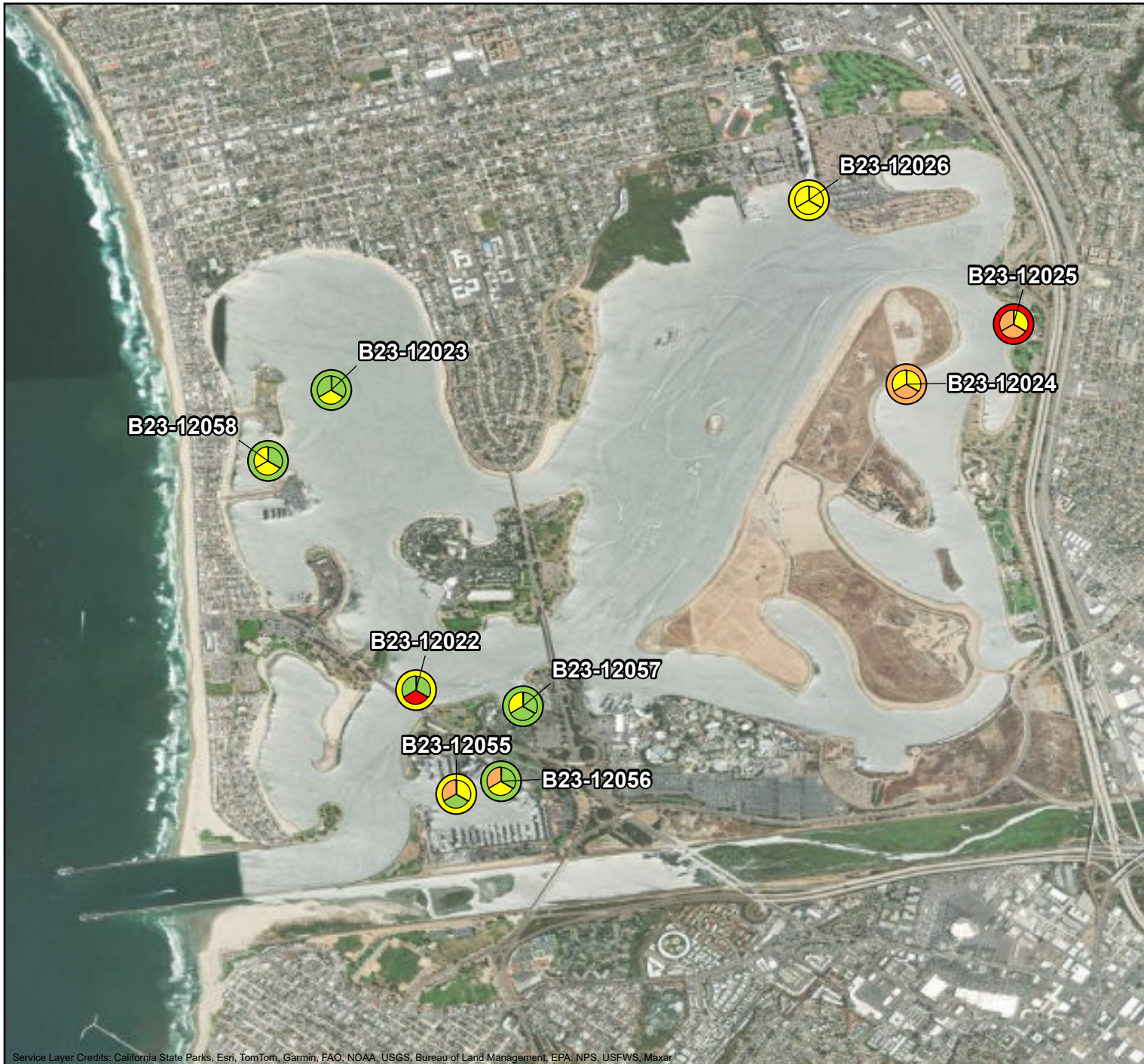
Dana Point Harbor



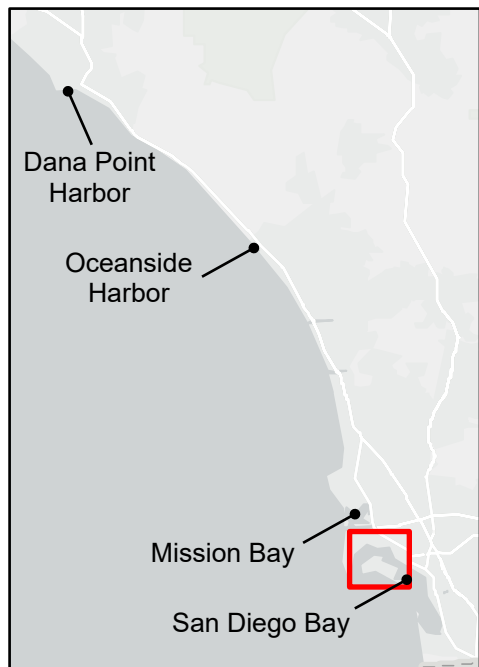
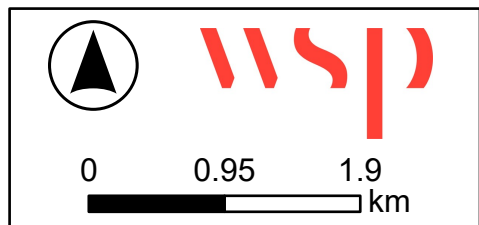
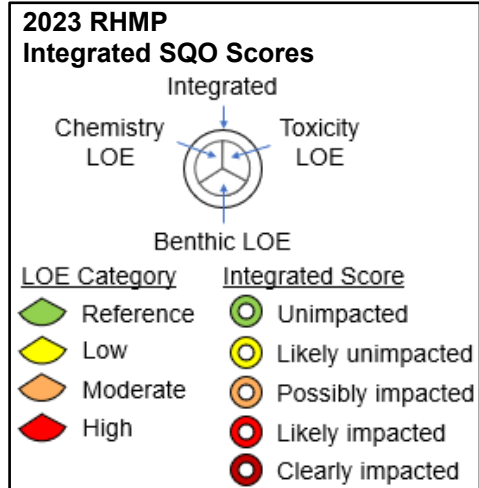
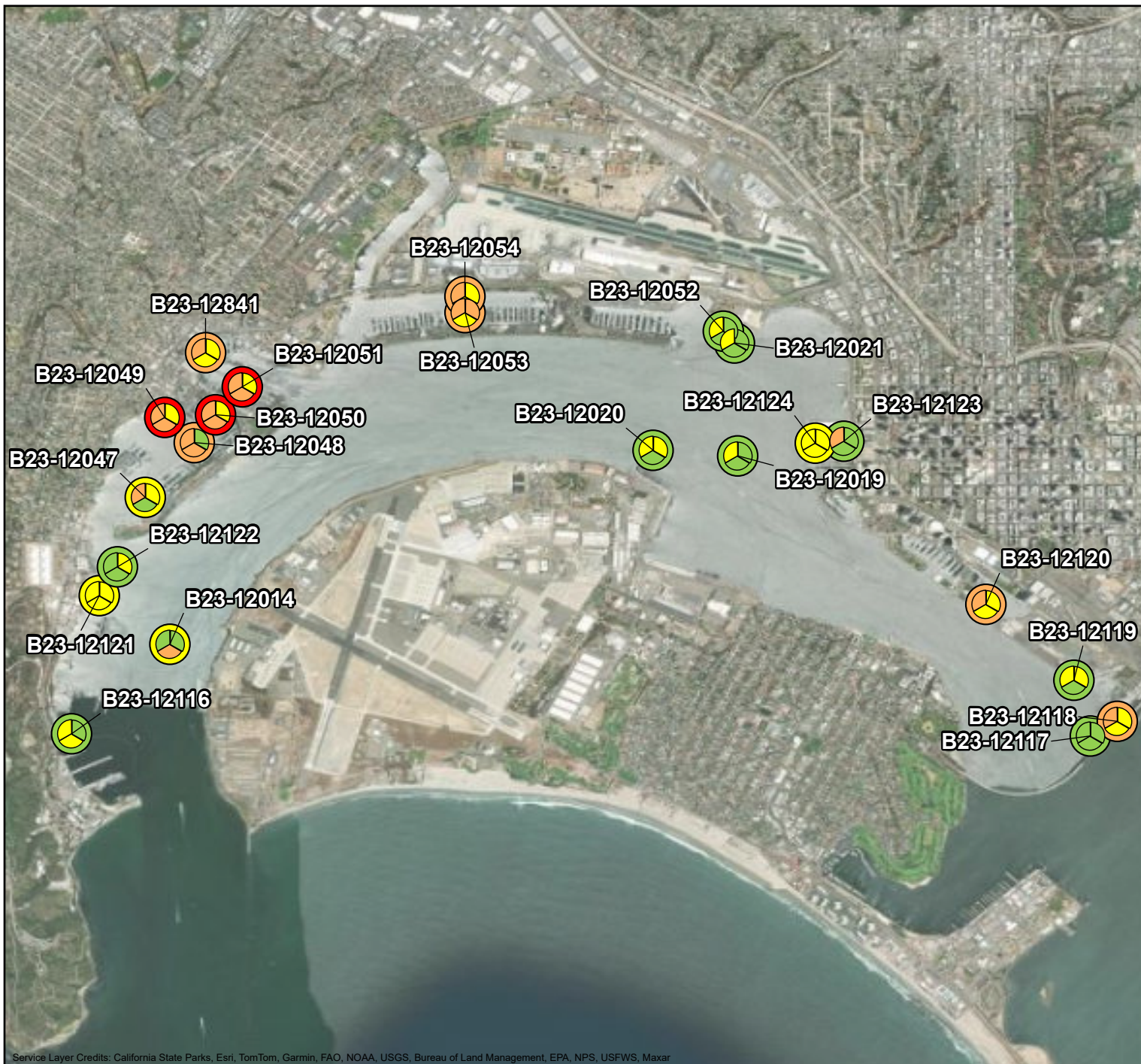
Oceanside Harbor



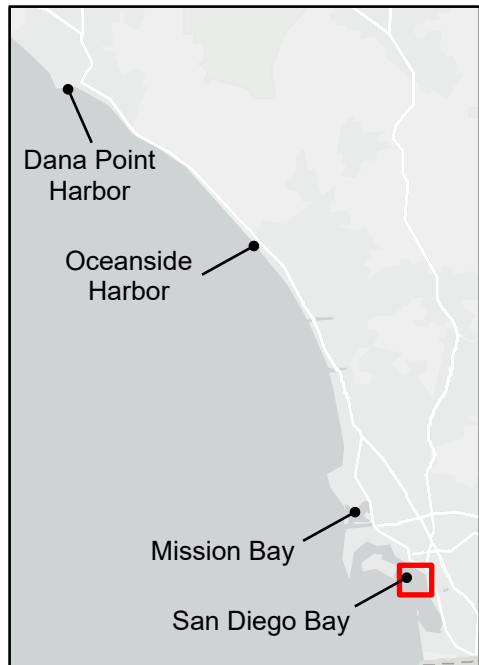
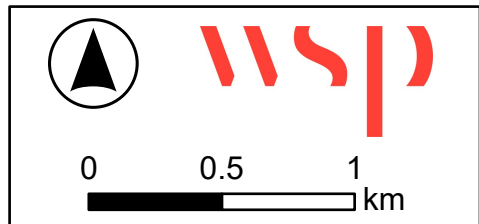
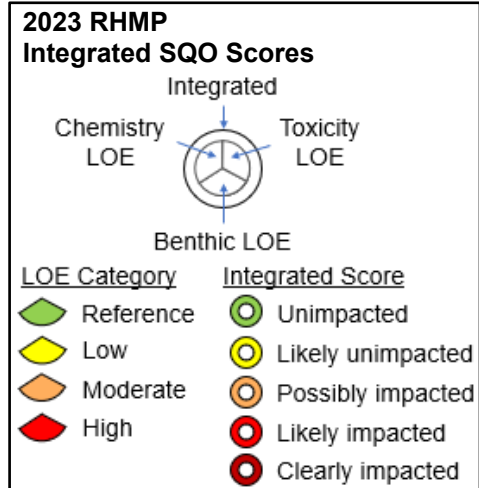
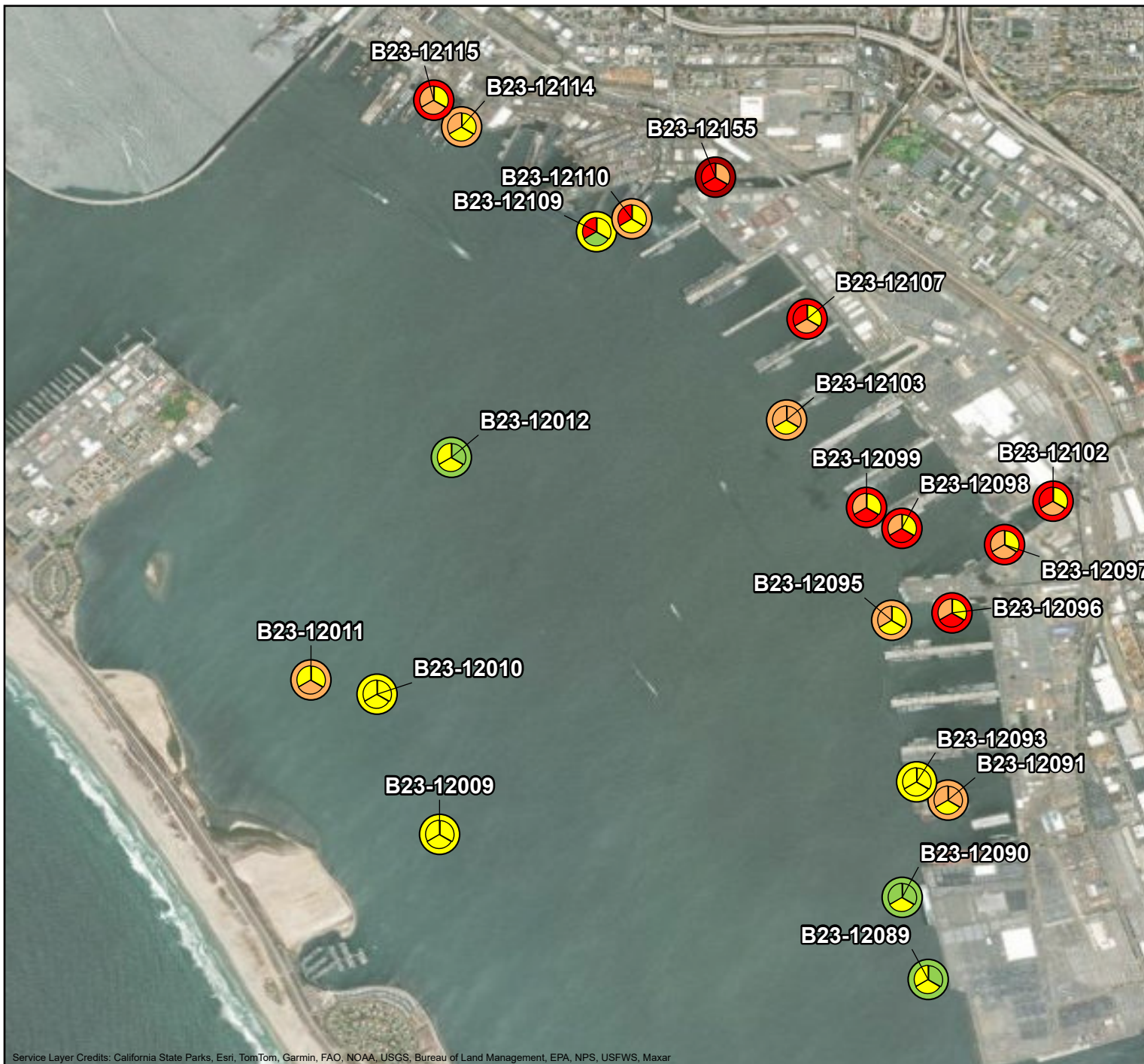
Mission Bay



North San Diego Bay



Central San Diego Bay



South San Diego Bay

