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Laboratory and Ocean Monitoring Division

Mission Statement

To ensure safe recreational and environmental protection; perform sampling, analysis and reporting to document OC San's exemplary regulatory compliance, inclusive of air, biosolids, water recycling and ocean discharge





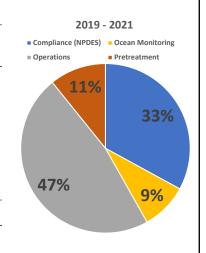


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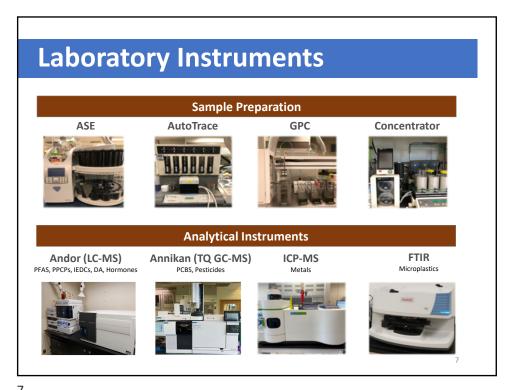
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Laboratory Tests

No. of Laboratory Tests 2019 2020 2021 **Sample Type** General Chemistry 56,274 58,324 58,742 Metals 10,517 10,101 9,981 Microbiology 23,377 23,188 22,063 Organic Chemistry 6,140 6,160 5,422 Toxicology 64 60 70 Total 96,372 97,833 96,278

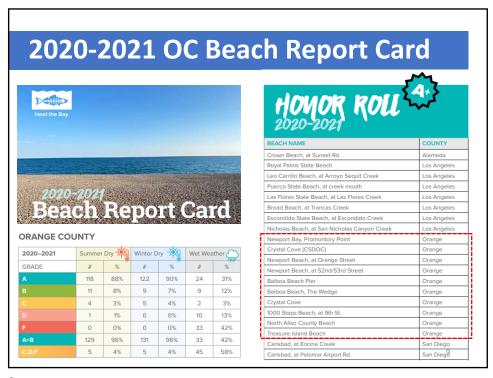


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9





From Left to Right

Staff

Dr. Jeff Armstrong (Retired)

Laura Terriquez

Former Directors

Keith Curry

Bob Kiley

10

Looking Forward (Research and Innovation)

Strategic Process Studies (SPS)

- · Plume modeling
- Changes in discharge footprint using LABs
- Meiofauna baseline assessment
- Use of bioassays for biological response
- Microplastics characterization

Regional Monitoring

- Leverage resources to address regional issues such as:
 - Ocean acidification and Hypoxia (OAH)
 - · Persistent contaminants

Innovation and Research

- Method development PFAS, Microplastics, Domoic Acid
- · Explore cutting edge technologies

COVID-19 Wastewater Surveillance

11

11

OC San Partners CPublic Works Water Environment Federation the water quality people UNIVERSITY of CALIFORNIA - IRVNE UNIVERSITY of CALIFORNIA - IRVNE UNIVERSITY of CALIFORNIA - IRVNE 12

Serving the Community

Protect Public Health and the Environment

Water Quality: Safe to Swim
Sediment Quality: Health Ecosystem

Fish Health: Safe to Eat

Public Outreach

Laboratory Tours (including virtual) Open House Science Fairs

Children's Water Festival



Technical/Professional Organizations

SCAMIT TNI Committee SCAS
SETAC Standard Methods SCAITE
ELTAC CSEA SCUM

ASM CWEA

13

13

Questions



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