



January 2017 Storm Update and Staff Response

Napa Sanitation District
Board of Directors Meeting
February 1, 2017



Rainfall Data

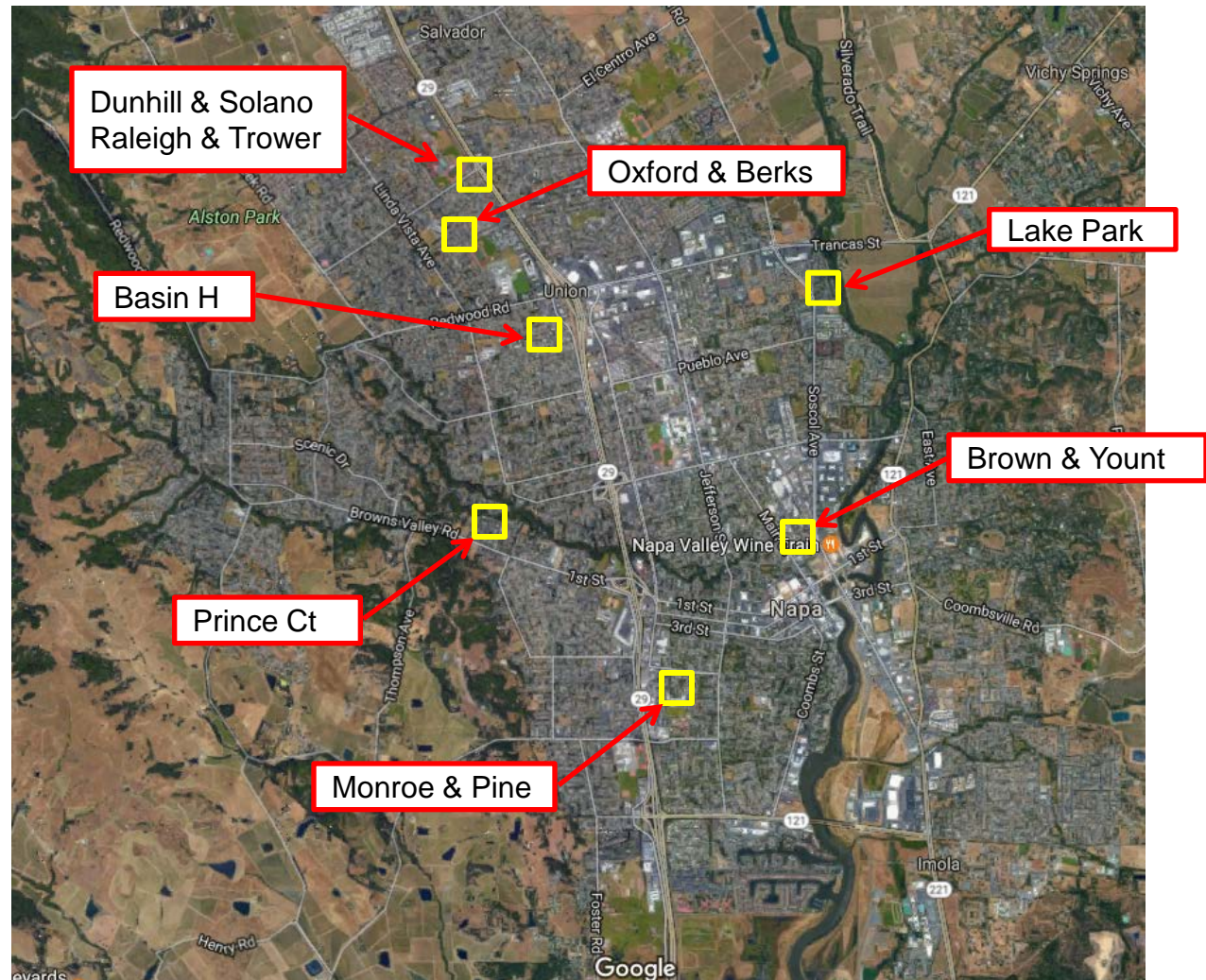
Date	Rainfall (in.)	Flow Bypassed (gal.)	Overflows (gal.)	Over- time (hrs)	Plant IPS PEAK Flow (mgd)	Plant IPS AVG Flow (mgd)
Jan 2	0.32				11.7	8.4
Jan 3	0.55				37.3	12.5
Jan 4	1.14				34.8	25.5
Jan 5	0.04				21.4	17.5
Jan 7	0.52				36.8	17.6
Jan 8	2.00	130,000	19,300	160	54.9	43.2
Jan 9	0.48				51.0	36.5
Jan 10	2.30	393,000	295,200	140*	55.0	47.6
Jan 11	0.97				54.4	43.6
Jan 12	0.47				41.7	33.6
Jan 18	0.75	93,000	100	60*	49.0	21.9
Jan 19	1.21				45.9	33.0
Jan 20	0.75	94,000		60	43.4	35.6
Jan 21	0.42				36.5	31.8
Jan 22	1.32	300,000		160	49.3	41.7
Jan 23	0.36				40.1	30.8
Total	13.6 (normal = 5.13)	1,010,000	314,600			



Collection System Effort

- Overflow volume: 314,600 gallons
- Prevention: 1,010,000 gallons
- Staff effort: 580 hours of OT
- No overflows Jan 19-23
 - 220 hours of OT

Problem Areas





Plant Status

- Influent flow rates
 - 50+ mgd at IPS (*dry weather = 6 mgd*)
 - 20 mgd maximum river discharge
- Pond level
 - 90" (*as of Jan 23*) (*96" = full*)
 - 60 million gal of remaining storage

Corrective Action

- Flow Monitoring
- Nighttime Recon
- Proposed Projects:
 - 2017 Project 2017
 - Basin H project 2017
 - Browns Valley Trunk 2018-19
 - Oxford Street (Northwood) 2018
 - Lake Park (Pear Tree) 2019-20
 - Raleigh & Trower 2019-20



Questions?