



OmniEarth



EAGLEVIEW[®]
TECHNOLOGIES

Technology for Resilience

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Resilience = Adaptability

+ *Dynamic toolsets that can accommodate variability*

+ *Adaptive means not being reactive*

Scaling Technology for Climate Preparedness



Aerial Imagery | Land Cover Analysis | Water Budgets | Inefficient User Identification

Standard Land Cover



Identifying Inefficiency

Water Use by Parcel

No Filter

MAP Export

Search

Legend Layers Satellite

APN: 609091009
 Address: 78680 RUNAWAY BAY DR INDIO CA 92203
 Land Use: Single-Family
 Area (sq ft): 10,945.2
[Aerial Image](#)

Mapbox © OpenStreetMap Improve this map © DigitalGlobe

PARCEL INFORMATION Actions

Addr...	Curr...	Irrig...	Irrig...	Irrig...	Irrig...	12M...	Irrig...	Irrig...	Irrig...	Irrig...
7868...	3,26...	1,70...	2,81...	-1,55...	-445.1	509,...	164,...	260,...	-345,...	-248,...
7939...	9,93...	16,3...	18,3...	6,38...	8,45...	283,...	163,...	182,...	-119,...	-100,...
7942...	1,01...	4,74...	4,85...	3,73...	3,84...	23,4...	58,4...	59,4...	35,0...	36,0...
4343...	23,4...	20,0...	22,2...	-3,39...	-1,12...	455,...	197,...	218,...	-258,...	-237,...
4159...	10,1...	8,11...	10,6...	-2,01...	548.0	98,8...	77,6...	99,5...	-21,2...	636.8

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WATER USE BY PARCEL Actions

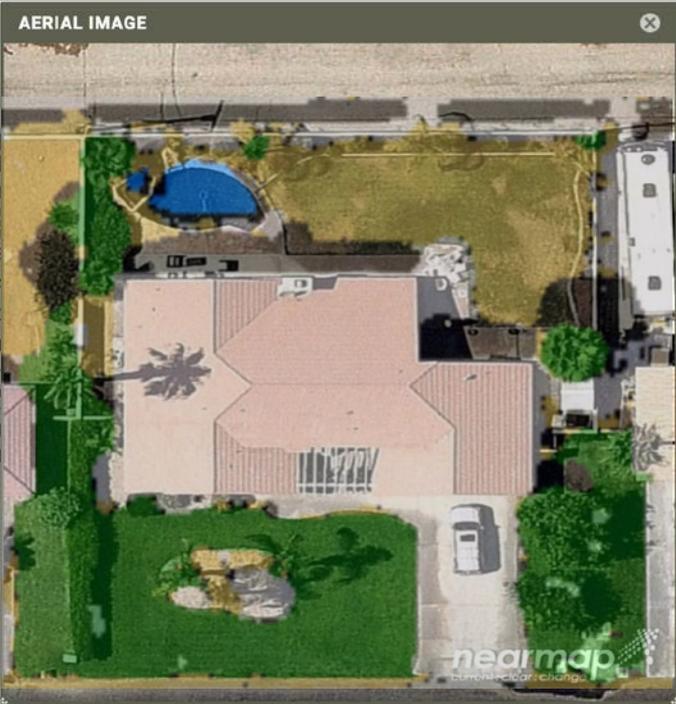
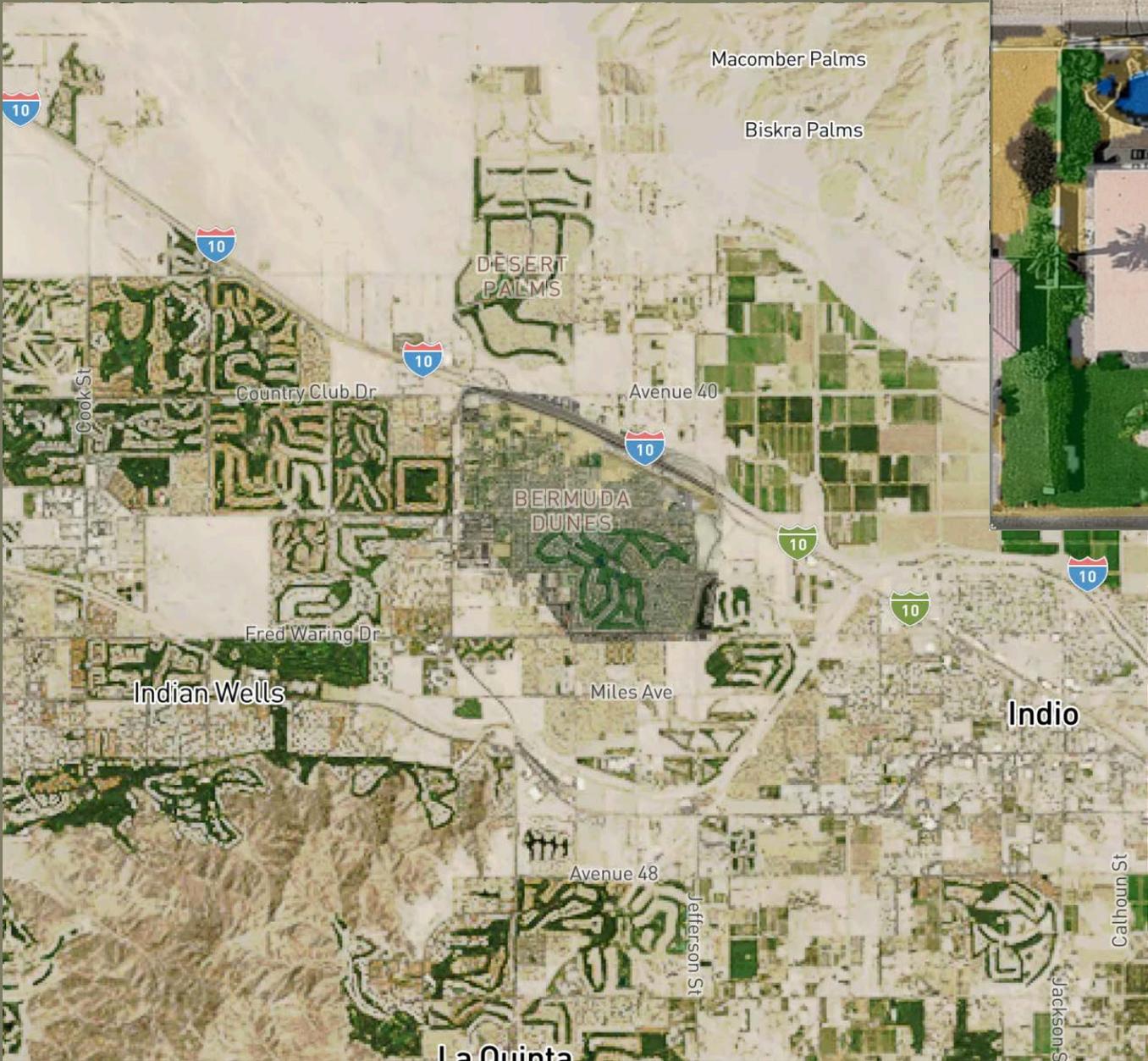
Meter ...	Billed ...	Irrigate...	Irrigabl...	2013 B...	Total U...	Irrigate...	Irrigabl...	2013 E...
01/08/...	29	7,736.1	10,717.0	23,538.1	43,300.2	-459.7	-304.0	-84.0
02/12/...	35	10,588.9	15,295.7	23,730.5	39,793.9	-275.8	-160.2	-67.7
03/12/...	28	10,286.9	15,660.4	28,561.7	30,033.7	-192.0	-91.8	-5.2
04/08/...	27	12,704.8	20,353.3	31,146.6	33,391.9	-162.8	-64.1	-7.2
05/09/...	31	16,835.7	27,609.1	43,587.8	42,323.4	-151.4	-53.3	2.9
06/10/...	32	19,466.5	32,436.3	38,365.7	62,632.0	-221.7	-93.1	-63.2
07/08/...	28	17,682.7	28,606.6	50,362.8	75,536.0	-327.2	-155.1	-50.0



Accounting for Variability

- Climate
- Slope
- Weather/ET
- Demographics
- Parcels
- Landscape





Scale

Relevant Industry Advances



Cloud Computing

Proliferation of Satellite and Aerial Imagery

Democratization of Geospatial Platforms

Data Visualization Techniques on the Rise



Challenges



Size/Amount of Data
Standardization
Data Security Challenges
Data ROI Forgotten



Resilience = Adaptability

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- + *Technology can account for variability AND scale*
 - + *One-size-fits-all has been reincarnated*
 - + *Must try to end data paralysis*