RIVERPARK
RECLAMATION & RECHARGE
JOINT POWERS AUTHORITY

UNITED WATER CONSERVATION DISTRICT

Regular Meeting

Library Meeting Room B - 215 South "A" Street

(Please enter from "A" Street, between Second and Third Streets)

Wednesday, April 20, 2016 - 5:00 p.m. – 7:30 p.m.

A. ROLL CALL

B. APPROVAL OF MINUTES

Minutes from June 15, 2011, October 28, 2015, November 10, 2015, and December 16, 2015 Meetings.

C. PUBLIC COMMENTS

A person may address the Board only on matters within the subject matter jurisdiction of the Authority. The presiding officer shall limit public comments to three minutes. The Board cannot enter into detailed discussion or take action on any item presented during public comments that is not on the agenda. Such item may only be referred to the Executive Director for administrative action or scheduled on a subsequent agenda for discussion. Unless otherwise approved by the Board, persons wishing to speak on items on this agenda should do so during public comments.

D. AUTHORITY BUSINESS

1. Reclamation Status Report. The Board will receive status reports on the following matters:
   a. Geotechnical Improvements Follow-up (L. Berry, S. Moors)
   b. Storm Drainage Improvements Follow-up (T. Talamante, R. Hearne)
   c. Environmental Assessments Summary (J. Hecht)
   d. Revised Erosion Control and Maintenance Guidelines Review and Costs Estimates (T. Talamante)
2. Upcoming Actions and Schedule
   a. Discuss the Schedule for Adoption of Erosion Control and Maintenance Guidelines

E. NEXT MEETING

May 18, 2016

F. ADJOURNMENT

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in a meeting, you should contact Ofelia Leon at 805-525.4431. Notification 72 hours prior to the meeting will enable the Authority to make reasonable accommodations to assure accessibility to the meeting.

Written materials relating to an item on this agenda that are distributed to the RiverPark Reclamation & Recharge Joint Powers Authority Board within 72 hours before the item is to be considered at its regularly scheduled meeting will be made available for public inspection at United Water Conservation District office, 106 N. 8th Street, Santa Paula, during customary business hours.

Minutes of Special Meeting of October 28, 2015

The Board of Directors of the RiverPark Reclamation and Recharge Joint Powers Authority (JPA) convened a Special Meeting on Wednesday, October 28, 2015, at 5:05 p.m. at the City of Oxnard Human Resources Activity Room, Oxnard, California.

Board Members Present: Sheldon Berger, Chair, Tim Flynn, Board Member, Daniel Naumann, Board Member, Bert Perello, Board Member

Counsel Present: Stephen Fischer, General Counsel, Interim City Attorney, City of Oxnard, Anthony Trembley, District Counsel, United Water Conservation District

Others Present: Mauricio Guardado, Jr., General Manager, United Water Conservation District (UWCD), Scott Whitney, Assistant City Manager, City of Oxnard, Tony Talamante, RiverPark Legacy LLC (RiverPark), John VanderVelde, RiverPark, Joseph Lillio, Chief Financial Officer, City of Oxnard, Daniel Rydberg, Interim Public Works Director, City of Oxnard, Ashley Golden, Development Services Director, City of Oxnard, Anthony Emmert, Deputy General Manager, UWCD, Jim Grisham, Engineering Manager, UWCD, Robert Hearne, Senior Civil Engineer, City of Oxnard, John Hecht, Sespe Consulting, Inc., Doug Mason, Sespe Consulting, Inc., Steve Nash, Oxnard Resident.

Chair Berger called the meeting to order at 5:05 p.m.

A. Roll Call.

B. Approval of Minutes. Anthony Emmert informed the Board that staff was still researching minutes from the last meeting of the Board on June 15, 2011, and that they would not be available for adoption until the next regular meeting.

C. Public Comments. No member of the public commented.

D. Authority Business.

1. **Election of Officers for 2015 and Selection of Executive Officer and Counsel.** On motion by Board Member Naumann, seconded by Board Member Perello, the Board unanimously elected Sheldon Berger as Chair for 2015. On motion by Board Member Naumann, seconded by Board Member Flynn, the Board unanimously elected Board Member Perello as Vice Chair for 2015. On motion by Board Member Flynn, seconded by Board Member Naumann, the Board unanimously appointed Mr. Emmert as Executive Director/Secretary, Stephen Fischer as General Counsel, and Joseph Lillio as Treasurer/Auditor for 2015.

2. **RiverPark Joint Powers Authority History and Purpose.** As the Board had not met for over four years, Mr. Emmert and Tony Talamante, RiverPark, provided the Board with an overview of the purpose and history of the RiverPark Joint Powers Authority, the Four-Party Agreement, reclamation of the former gravel mining pits, past projects to improve groundwater recharge, grant funding received, and potential future projects to improve to groundwater recharge.

3. **Financial Report.** Joseph Lillio, Chief Financial Officer, City of Oxnard, and RiverPark JPA Treasurer/Auditor, provided the Board with the Audited Financial Statement for the year ended June 30, 2014, with an ending balance of $1,035,903. Mr. Lillio stated that the only expenditure during that fiscal year was $1,820 for the required audit. Mr. Lillio also provided the Board with the preliminary unaudited balance sheet for the fiscal year ended June 30, 2015,

with an ending fund balance of $1,040,278. He stated that he would bring to the Board the audited financial statement during the December 2015 or January 2016 meeting.

4. **Reclamation Status Report.** Tony Talamante provided the Board with a status report on the reclamation work, being completed by RiverPark Legacy LLC, including the history, current status, and upcoming tasks. He reported that reclamation work on the Small Woolsey/Vickers/Brigham pit had been completed, and that the reclamation work on the Large Woolsey pit is nearly completed, with the construction of drainage piping along the south edge as the only pending item. He described the recent addition of rock rip-rap material in specific locations to protect the engineered slopes from wind-driven wave erosion. Mr. Talamante explained that RiverPark is currently in the process of receiving approval from the City, as the local Surface Mining and Reclamation Act-authority, as well as review by the California Office of Mine Reclamation. Mr. Talamante explained that the Four-Party Agreement details the process by which RiverPark Legacy turns the pits over to the RiverPark Joint Powers Authority, upon completion of the reclamation work and approval by the City, and funds a five-year maintenance period. He stated that the maintenance funding to cover the five-year period is approximately $705,000. Mr. Talamante stated that RiverPark expects to be ready to turn over the pits to the JPA within the next two months. The Board expressed a desire to hold an early morning special meeting in the very near future to tour the site, in order to observe the status of the reclamation work, and directed staff to arrange the meeting.

5. **Future Agenda Items.** Mr. Emmert and Mr. Talamante briefed the Board on upcoming agenda items, including: reviewing and adopting the Erosion Control and Maintenance Guidelines, reviewing the Four-Party Agreement, consideration of the JPA receiving the properties from RiverPark Legacy LLC, and potential modified projects to achieve improved groundwater recharge and open space goals.

6. **Meeting Schedule** – On motion by Board Member Flynn, seconded by Vice Chair Perello, the Board unanimously decided to meet every third Wednesday of each month, at 5:00 p.m., with the location to remain in Oxnard.

E. Next Meeting. The next regular meeting will be November 18, 2015, at 5:00 p.m., in the City of Oxnard Human Resources Activity Room.

F. Adjournment. Chair Berger adjourned the meeting at approximately 6:42 p.m.

RIVERPARK RECLAMATION AND RECHARGE AUTHORITY

FINANCIAL STATEMENTS

WITH REPORT ON AUDIT
BY INDEPENDENT
CERTIFIED PUBLIC ACCOUNTANTS

FOR THE YEAR ENDED JUNE 30, 2014

RIVERPARK RECLAMATION AND RECHARGE AUTHORITY

TABLE OF CONTENTS

June 30, 2014

INDEPENDENT AUDITORS' REPORT

The Board of Directors
Riverpark Reclamation and Recharge Authority
Oxnard, California

Report on the Financial Statements

We have audited the accompanying financial statements of the governmental activity and general fund of the Riverpark Reclamation and Recharge Authority (the Authority) as of and for the year ended June 30, 2014, and the related notes to the financial statements, which collectively comprise the Authority's basic financial statements as listed in the table of contents.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of the financial statements that are free from material misstatement, whether due to fraud or error.

Auditors' Responsibility

Our responsibility is to express opinions on the financial statements based on our audit. We conducted our audit in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditors' judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditors consider internal control relevant to the Authority's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Authority 's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinions.

Opinions

In our opinion, the financial statements referred to above present fairly, in all material respects, the respective financial position of the governmental activity and the general fund of the Riverpark Reclamation and Recharge Authority as of June 30, 2014, and the respective changes in financial position thereof for the year then ended in accordance with accounting principles generally accepted in the United States of America.

Other Matters

Required Supplementary Information

Management has omitted the management's discussion and analysis that accounting principles generally accepted in the United States of America require to be presented to supplement the basic financial statements. Such missing information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board, who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. Our opinion is not modified with respect to this matter.

White Nelson Diehl Evans LLP

Irvine, California
February 16, 2015

RIVERPARK RECLAMATION AND RECHARGE AUTHORITY

GENERAL FUND BALANCE SHEET AND STATEMENT OF NET POSITION

June 30, 2014

	General Fund	Statement of Net Position
ASSETS:		
Current Assets:		
Cash and investments	$ 1,035,903	$ 1,035,903
FUND BALANCE:		
Unassigned	$ 1,035,903	-
NET POSITION:		
Unrestricted		$ 1,035,903

See independent auditors' report and notes to financial statements.

RIVERPARK RECLAMATION AND RECHARGE AUTHORITY

STATEMENT OF GENERAL FUND REVENUES, EXPENDITURES AND CHANGES IN FUND BALANCE AND STATEMENT OF ACTIVITIES

For the year ended June 30, 2014

	General Fund	Statement of Activities
EXPENDITURES/EXPENSES:		
Cost of services	$ 1,820	$ 1,820
GENERAL REVENUES:		
Interest income	9,547	9,547
CHANGE IN FUND BALANCE/NET POSITION	7,727	7,727
FUND BALANCE/NET POSITION:		
BEGINNING OF YEAR	1,028,176	1,028,176
END OF YEAR	$ 1,035,903	$ 1,035,903

See independent auditors' report and notes to financial statements.

1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES:

A. Description of the Reporting Entity:

The Riverpark Reclamation and Recharge Authority (the Authority) was established on September 17, 2002 pursuant to a Joint Exercise of Powers agreement between the City of Oxnard (the City) and the United Water Conservation District (UWCD) for the purpose of joint ownership, financing and administration of the development of land located within the City; and for the purpose of creating a public entity to secure grant funding and other public and private funding to reclaim mining pits for water recharge purposes to implement the Recharge Program and Reclamation Plan, and to undertake other groundwater recharge, groundwater quality, and water supply programs as the Board of Directors may find to be within the public interest.

The Authority is controlled by a four member board consisting of two representatives from the City and UWCD. None of the member entities exercise specific control over the budgeting and financing of the Authority's activities beyond their representation on the Board. Accounting services are provided by the City.

B. Financial Statement Presentation:

Governmental entities are required to report information on a government-wide basis and on a fund basis (with emphasis placed on major funds of the entity). The government-wide financial statements (i.e. the statement of net position and the statement of activities) report information on all of the nonfiduciary activities of the primary government and its component units. The governmental fund financial statements (i.e. the balance sheet and the statement of revenues, expenditures and changes in fund balance) report information on individual funds of the government. A fund is considered to be a separate accounting entity with a self-balancing set of accounts.

Since the Authority is engaged in a single governmental activity and has no component units, the government-wide and governmental fund financial statements have been combined on the same statement. The government-wide financial statements are reported in the "Statement of Net Position" and the "Statement of Activities" columns. The governmental fund financial statements are reported in the "General Fund" column.

1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (CONTINUED):

B. Financial Statement Presentation (Continued):

All of the Authority's activities are considered governmental in nature; therefore, the Authority does not report any business-type activities. The Authority has no capital assets or long-term liabilities, and has no employees as all the operations are conducted by the City. As a result, the current financial resources of the General Fund do not differ from the long-term economic resources of the Authority. Therefore, there are no adjustments for differences in the basis of accounting between the governmental fund (General Fund) and the government-wide financial statements.

C. Measurement Focus and Basis of Accounting:

The government-wide financial statements are reported using the economic resources measurement focus and the accrual basis of accounting. Revenues are recorded when earned and expenses are recorded at the time liabilities are incurred, regardless of when the related cash flows take place.

Governmental fund financial statements are reported using the current financial resources measurement focus and the modified accrual basis of accounting. Under this method, revenues are recognized when measurable and available. The Authority considers all revenues reported in the governmental funds to be available if the revenues are collected within sixty days after year-end. Interest associated with the current fiscal period is considered to be susceptible to accrual and so has been recognized as revenue of the current fiscal period. All other revenue items are considered to be measurable and available only when cash is received by the government. Expenditures are recorded when the related fund liability is incurred.

The Authority is not legally required to adopt a budget for its general fund; therefore, a budgetary comparison schedule is not included.

When both restricted and unrestricted net position is available, unrestricted resources are used only after restricted resources have been depleted.

1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (CONTINUED):

D. Assets, Liabilities, Net Position, and Fund Balance:

Investments - Investments are stated at fair value.

Net position - The statement of net position utilizes a net position presentation. Net position is categorized as unrestricted. This category represents net position of the Authority not restricted for any project or other purpose.

Fund Balance - The General Fund classifies its fund balance as unassigned fund balance. Unassigned fund balance includes all amounts not included in other classifications such as nonspendable, restricted, committed, or assigned fund balance.

When an expenditure is incurred for purposes for which both restricted and unrestricted fund balance is available, the Authority considers restricted funds to have been spent first. When an expenditure is incurred for which committed, assigned, or unassigned fund balance are available, the Authority considers amounts to have been spent first out of committed funds, then assigned funds, and finally unassigned funds, as needed, unless the governing board has provided otherwise in its commitment or assignment actions.

E. Use of Estimates:

The preparation of financial statements in accordance with accounting principles generally accepted in the United States of America requires management to make estimates and assumption that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenditures during the reporting period. Actual results could differ from those estimates.

2. CASH AND INVESTMENTS:

Equity in Cash and Investment Pool of the City of Oxnard:

The Authority does not have a separate bank account; however, the Authority's cash and investments are maintained in an investment pool managed by the City of Oxnard. The Authority is a voluntary participant in that pool. This pool is governed by and under the regulatory oversight of the Investment Policy adopted by the City Council of the City of Oxnard. The Authority has not adopted an investment policy separate from that of the City of Oxnard. The fair value of the Authority's investment in this pool is reported in the accompanying financial statements at amounts based upon the Authority's pro-rata share of the fair value calculated by the City for the entire City portfolio. The balance available for withdrawal is based on the accounting records maintained by the City, which are recorded on an original cost basis.

2. CASH AND INVESTMENTS (CONTINUED):

Disclosures Relating to Interest Rate Risk:

Interest rate risk is the risk that changes in market interest rates will adversely affect the fair value of an investment. Generally, the longer the maturity of an investment is, the greater the sensitivity of its fair value to changes in market interest rates. One of the ways that the City of Oxnard manages its exposure to interest rate risk is by purchasing a combination of shorter term and longer term investments and by timing cash flows from maturities so that a portion of the portfolio is maturing or coming close to maturity evenly over time as necessary to provide the cash flow.

Information about the Authority's exposure to interest rate risk as a result of its equity in the cash and investment pool of the City of Oxnard is provided by disclosures in the notes to the basic financial statements of the City of Oxnard that shows the distribution of the City's investments by maturity.

Disclosures Relating to Credit Risk:

Generally, credit risk is the risk that an issuer of an investment will not fulfill its obligation to the holder of the investment. This is measured by the assignment of a rating by a nationally recognized statistical rating organization. Minimum ratings required by (where applicable) the California Government Code and the City of Oxnard's Investment Policy and the actual ratings as of year-end for each investment type are provided by disclosures in the notes to the basic financial statements of the City of Oxnard.

Concentration of Credit Risk:

Investments in any one issuer (other than U.S. Treasury securities, mutual funds and investment pools) that represent 5% or more of total investments for the entire entity (or for each separate major fund or for other governmental funds in the aggregate) are disclosed in the notes to the basic financial statements of the City of Oxnard.

Custodial Credit Risk:

The Authority does not have any significant certificates of deposit or demand accounts that are subject to custodial credit risk disclosure.

3. RELATED PARTY AGREEMENTS:

On October 9, 2002, the Authority entered into an agreement with the City to implement the Oxnard Plan Groundwater Recharge Program. The funds of the Authority are managed by the City and payments are to be paid by the City to the United Water Conservation District as costs are incurred. There were no payments made to UWCD for the year ended June 30, 2014.

4. SUBSEQUENT EVENTS:

In preparing these financial statements, the Authority has evaluated events and transactions for potential recognition or disclosure through February 16, 2015, the date the financial statements were available to be issued.

RIVERPARK RECLAMATION AND RECHARGE AUTHORITY

GENERAL FUND BALANCE SHEET AND STATEMENT OF NET POSITION
Preliminary Unaudited
June 30, 2015

	General Fund	Statement of Net Position
ASSETS:		
Current Assets:		
Cash and investments	$ 1,040,278	$ 1,040,278
FUND BALANCE:		
Unassigned	$ 1,040,278	-
NET POSITION:		
Unrestricted		$ 1,040,278

RIVERPARK RECLAMATION AND RECHARGE AUTHORITY

STATEMENT OF GENERAL FUND REVENUES, EXPENDITURES AND CHANGES IN FUND BALANCE AND STATEMENT OF ACTIVITIES
Preliminary Unaudited
For the year ended June 30, 2015

	General Fund	Statement of Activities
EXPENDITURES/EXPENSES:		
Cost of services (Audit)	$ 1,875	$ 1,875
GENERAL REVENUES:		
Interest income	6,250	6,250
CHANGE IN FUND BALANCE/NET POSITION	4,375	4,375
FUND BALANCE/NET POSITION:		
BEGINNING OF YEAR	1,035,903	1,035,903
END OF YEAR	$ 1,040,278	$ 1,040,278

Minutes of Special Meeting of November 10, 2015

The Board of Directors of the RiverPark Reclamation and Recharge Joint Powers Authority (JPA) convened a Special Meeting on Tuesday, November 10, 2015, at 7:01 a.m. at the RiverPark Field Office, 3098 Turnout Park Circle, Oxnard, California.

Board Members Present: Sheldon Berger, Chair, Bert Perello, Vice Chair, Tim Flynn, Board Member, Daniel Naumann, Board Member

Counsel Present: Anthony Trembley, District Counsel, United Water Conservation District

Others Present: Mauricio Guardado, Jr., General Manager, United Water Conservation District (UWCD), Scott Whitney, Assistant City Manager, City of Oxnard, Tony Talamante, RiverPark Legacy LLC (RiverPark), Daniel Rydberg, Interim Public Works Director, City of Oxnard, Anthony Emmert, Deputy General Manager, UWCD, Jim Grisham, Engineering Manager, UWCD, Robert Hearne, Senior Civil Engineer, City of Oxnard, John Hecht, Sespe Consulting, Inc., Scott Moors, NV5, Tony Marro, RiverPark Legacy/Shea Homes, Steve Nash, Oxnard Resident.

Chair Berger called the meeting to order at 7:01 a.m.

A. Roll Call.

B. Public Comments. Steve Nash, Oxnard resident, expressed several concerns regarding the reclaimed RiverPark basins, including: concern over liability to the Joint Powers Agency, United Water Conservation District, and the City should slope failures occur in the future; concern over potential structural instability to the Ventura County Watershed Protection District's Santa Clara River levee due to the Large Woolsey Basin's proximity to the levee; and concern over future groundwater quality problems caused by contaminated runoff.

C. Authority Business.

1. **Field Observation of the RiverPark Basins Slopes.** The Board toured the Small Woolsey/Vickers/Brigham Basin, the Large Woolsey Basin, and the North Detention Basin.

D. Next Meeting. The next regular meeting will be November 18, 2015, at 5:00 p.m., in the City of Oxnard Human Resources Activity Room.

E. Adjournment. Chair Berger adjourned the meeting at approximately 8:05 a.m.

Minutes of Special Meeting of December 16, 2015

The Board of Directors of the RiverPark Reclamation and Recharge Joint Powers Authority (JPA) convened a Special Meeting on Wednesday, December 16, 2015, at 5:05 p.m. at the Oxnard Main Library, 215 South A Street, Oxnard, California.

Board Members Present: Sheldon Berger, Chair, Bert Perello, Vice Chair, Tim Flynn, Director

Board Members Absent: Daniel Naumann, Director

Counsel Present: Stephen Fischer, General Counsel, RiverPark JPA, City Attorney, City of Oxnard

Others Present: Mauricio Guardado, Jr., General Manager, United Water Conservation District (UWCD), Scott Whitney, Assistant City Manager, City of Oxnard, Anthony Trembley, District Counsel, UWCD, Tony Talamante, RiverPark Legacy LLC (RiverPark), Daniel Rydberg, Interim Public Works Director, City of Oxnard, Anthony Emmert, Deputy General Manager, UWCD, Loree Berry, Senior Engineer, Fugro Consultants, Inc., John Hecht, President, Sespe Consulting, Inc., Scott Moors, Vice President, NV5 West, Inc., Janis Synnes, City of Oxnard, Steve Nash, Oxnard Resident, Barbara Pinedo, Oxnard Resident, Daniel Pinedo, Oxnard Resident.

Chair Berger called the meeting to order at 5:05 p.m.

A. Roll Call.

B. Approval of Minutes. Vice Chair Perello stated that he could not support adoption of the minutes of the October 28, 2015 meeting, as he did not have confidence in the financial statement presented to the Board. On motion by Chair Berger, seconded by Board Member Flynn, the Board voted 2-0, with Vice Chair Perello abstaining, on adoption of the minutes of the three meetings. The vote did not carry, as there was not a quorum.

C. Public Comments. None.

D. Authority Business.

1. Reclamation Status Report.

a. Geotechnical Improvements Summary. Loree Berry, Senior Engineer, with Fugro Consultants, Inc. (Fugro), the firm that provided geotechnical engineering, and Scott Moors, Vice President, with NV5 West, Inc., the firm that is providing geotechnical oversight on behalf of the City of Oxnard, provided an overview of the history of the gravel mining operations of the RiverPark site, the geotechnical challenges encountered with the project, the process of designing modifications to both the cut slopes and fill slopes to achieve long-term stability, as represented by the 2002 slope mitigation plan, the challenges to achieving and maintaining long-term surficial/erosional stability, the steps that have been taken to achieve surficial stability/erosion mitigation, and the 2015 reclaimed slopes. The Board members asked numerous questions of the geotechnical experts.

b. Storm Drainage Improvements Summary. Marc Haslinger, Vice President, with Huitt-Zollars, Inc., provided an overview of the design of the RiverPark Project storm drainage system, designed to mitigate water quality challenge that existed prior to the project. Mr. Haslinger stated that the system was designed to utilize wet detention basins, where feasible, in order to treat potential stormwater contaminants by ecologically-based means, as well as catch basin insert filtration units to remove stormwater contaminants that originate from the developed lots, streets and open areas of the project. He stated that, prior to the project, the majority of stormwater in the surrounding area drained into the gravel mining pits, with no treatment, but that the construction of the project has led to treatment of all stormwater, thereby improving water quality. Mr. Haslinger and Tony Talamante stated that the maintenance of the detention basins, overflow weirs, and catch basin insert filtration units is funded in perpetuity by the Community Facilities District (CFD), paid into by the property owners and managed by the City. Mr. Haslinger stated that his firm designed the stormwater treatment system to accommodate the water quality goals of a potential groundwater recharge project planned for the site by UWCD. Vice Chair Perello asked if UWCD was moving forward with development of such a recharge project. Anthony Emmert, with United Water Conservation District, answered that the originally-conceived project that would have delivered untreated Santa Clara River water to the reclaimed RiverPark basins was not feasible, due to the depth of the basins, the high transmissivity of the groundwater aquifer formation, and the proximity of several drinking water wells, making it difficult to ensure consistent compliance with California statutes and regulations regarding drinking water quality. Mr. Emmert stated that UWCD is working with the City to explore alternative water resources uses for the pits. He stated that discussion of this issue will be an agenda item for an upcoming meeting.

c. **Environmental Assessments Summary.** The Board directed review of this item to be brought back at the next regularly-scheduled meeting of January 20, 2016.

d. **Revised Erosion Control and Maintenance Guidelines Review and Cost Estimate.** The Board directed review of this item to be brought back at the next regularly-scheduled meeting of January 20, 2016.

2. **Four-Party Agreement Review.** The Board directed review of this item to be brought back at the next regularly-scheduled meeting of January 20, 2016.

E. Next Meeting. The next regular meeting will be January 20, 2016, at 5:00 p.m., in the City of Oxnard Main Library, Room B.

F. Adjournment. Chair Berger adjourned the meeting at approximately 6:26 p.m.

RiverPark Reclamation and Recharge Joint Powers Authority

16 December 2015 5:00 p.m.

City of Oxnard Civic Center,

Human Resources Activity room

RiverPark Reclamation Program
Reclamation Status Report

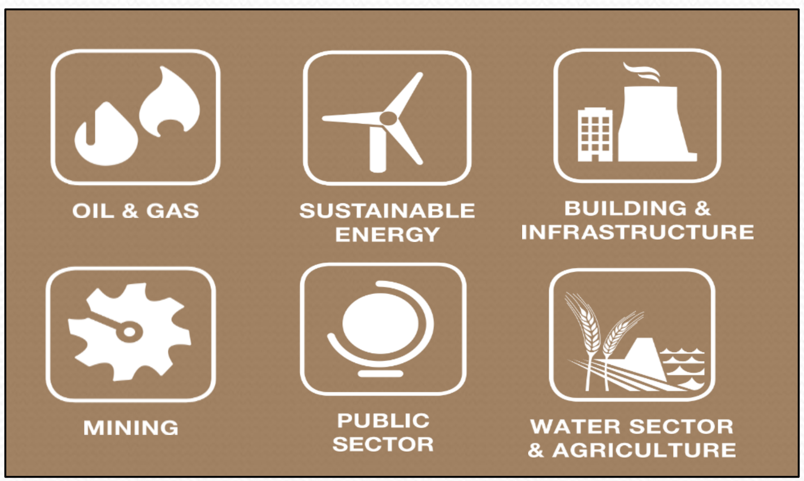
- Geotechnical Overview
- Storm Drainage and Water Quality Design
- Environmental Setting, Assessment and Report
- Erosion Control and Maintenance Guidelines
- Forecast Basin Maintenance Costs
- Four Party Agreement Tender

RiverPark April 2013

Fugro Consultants, Inc.

COMPANY PROFILE

- Employs over **12,500** people in over 60 countries, specializing geotechnical engineering, onshore & offshore exploration and survey, subsea exploration and geophysics



ROLE IN RIVERPARK DEVELOPMENT

- Geotechnical Consultant for Shea Homes since 1999 on RiverPark Development project.
- Geotechnical Investigations, Slope Stability/Basin Reclamation, and Mass Grading Observation and Testing
- Supported by Ventura, CA:
- Ventura's main market sector is local capital improvement and infrastructure projects
- Geotechnical reviewers for multiple government agencies

NV5 West, Inc.

COMPANY PROFILE

- NV5 is an engineering consulting firm with more that 30 offices and 1000 employees nationwide with >450 employees in California.
- BTC LABS established in 1959 in Ventura, acquired by NV5 2010.
- NV5's Five Service-Line 'Verticals'

Construction Quality Assurance | Infrastructure | Energy Services | Program Management | Environmental

ROLE IN RIVERPARK DEVELOPMENT

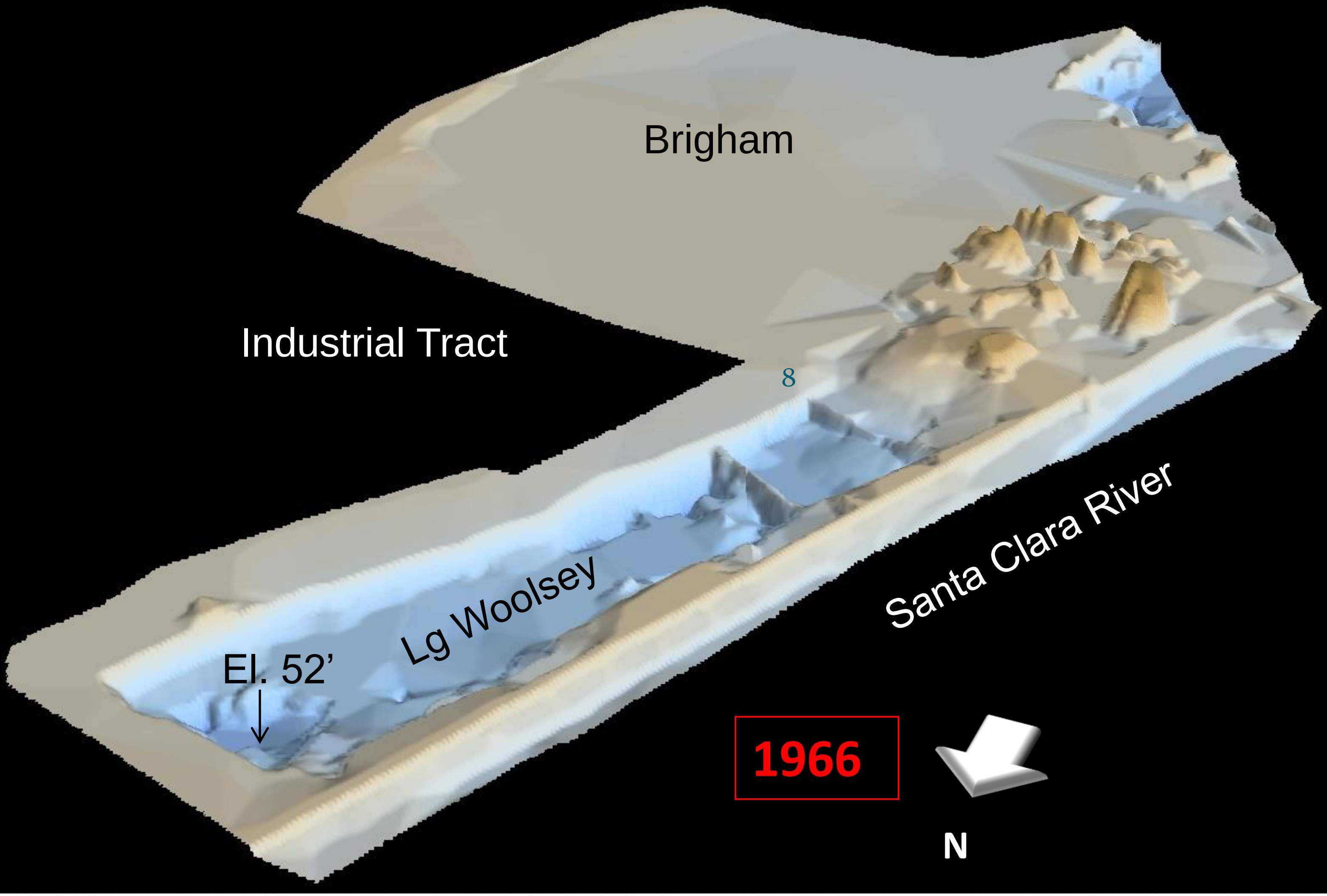
- Geotechnical & SMARA Reviewer for the City of Oxnard
- Scott Moors served as technical review consultant for Oxnard since submittal of original 2002 Reclamation Plan.
- 25+ years Geotechnical Experience; served as geotechnical reviewer for 15 local municipalities.
- Served as SMARA consultant on similar projects for developer.

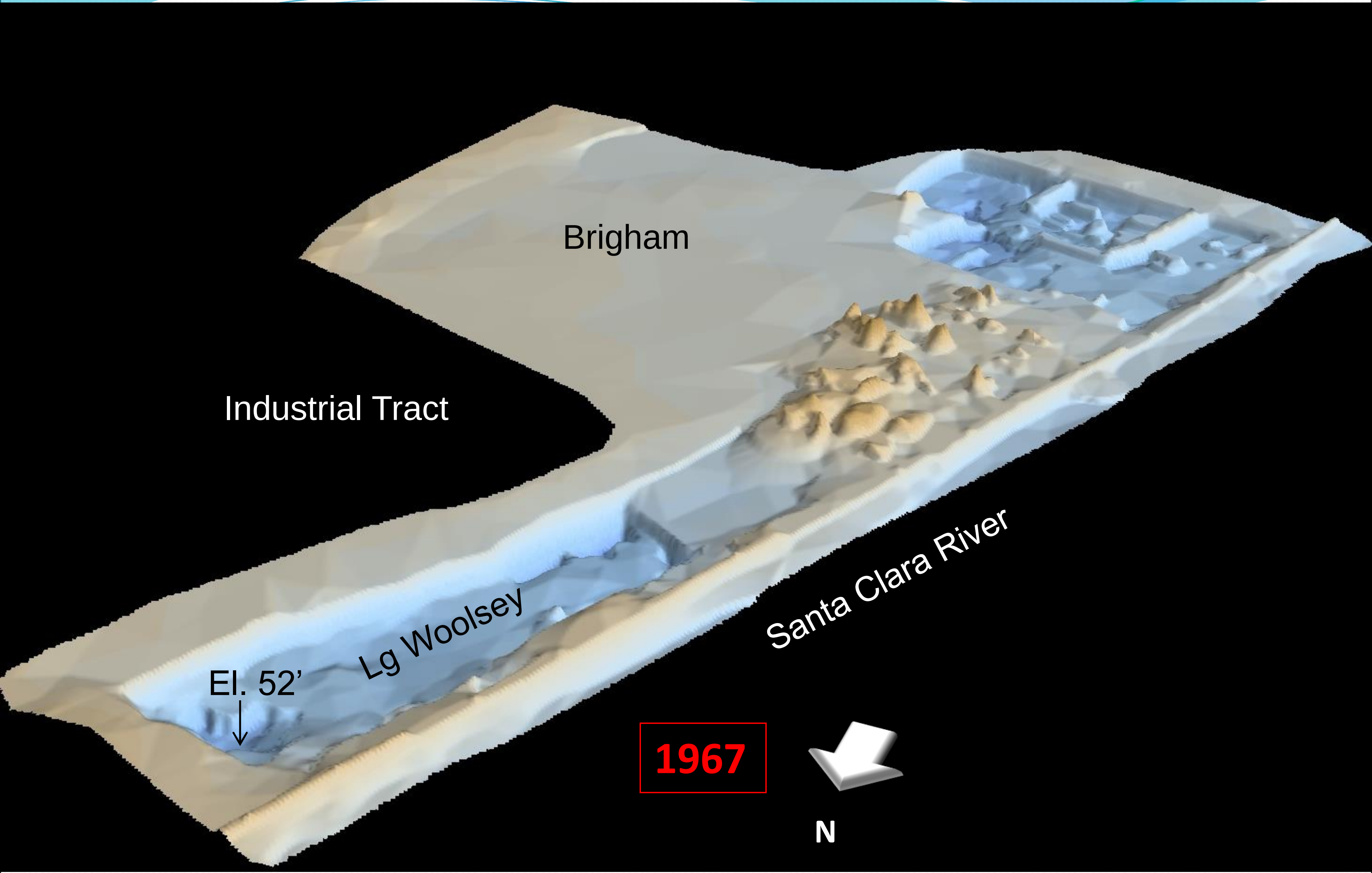
Basin Geotechnical History

- Basin Overview & Mining History
- Geotechnical Challenges
- 2002 Proposed Slope Mitigations
- Slope Stability
- Challenges to Long-term Surficial/Erosional Stability
- Surficial Stability/Erosion Mitigation
- 2015 Reclaimed Basin Slopes

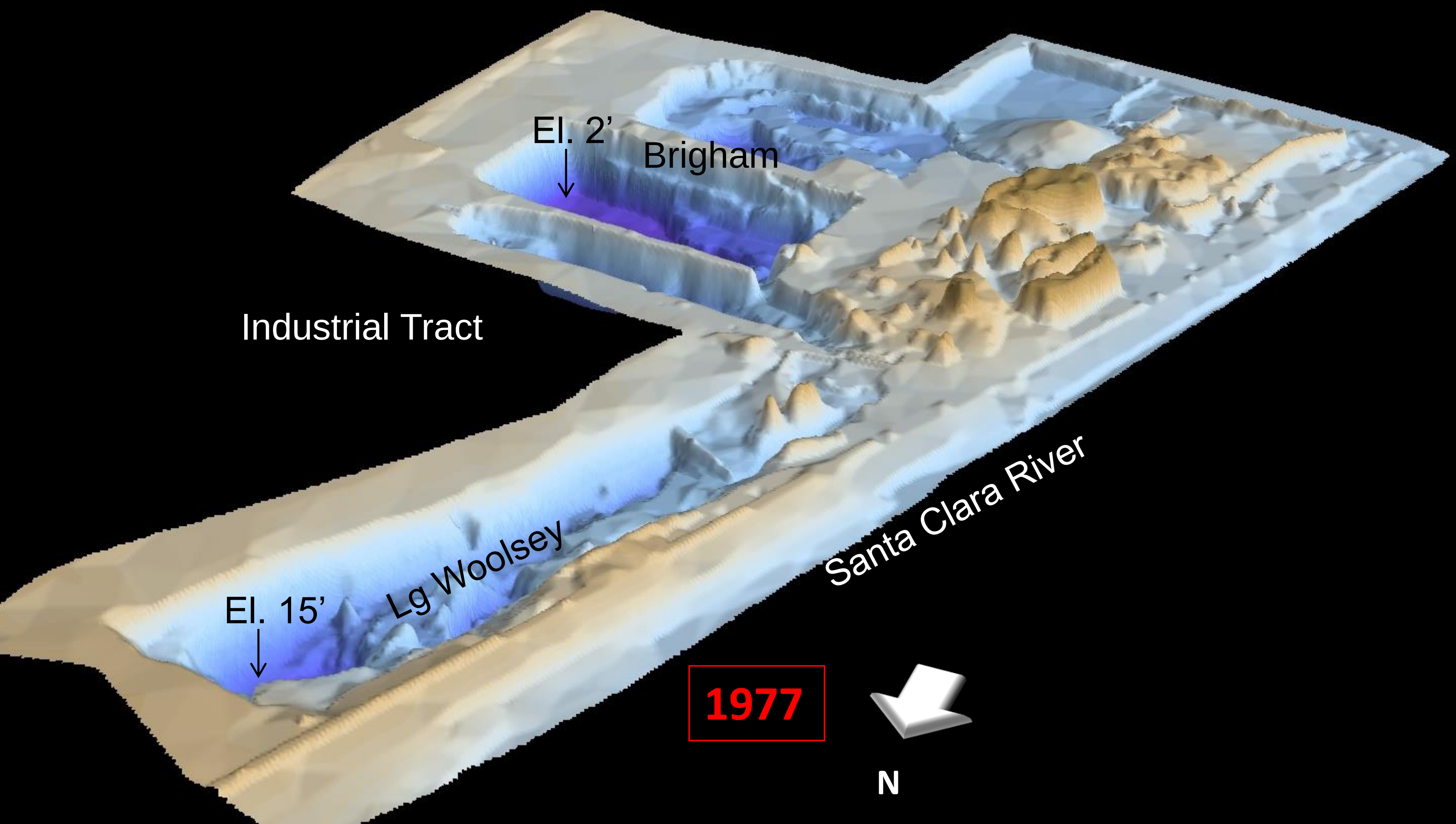
Basin Overview and Mining

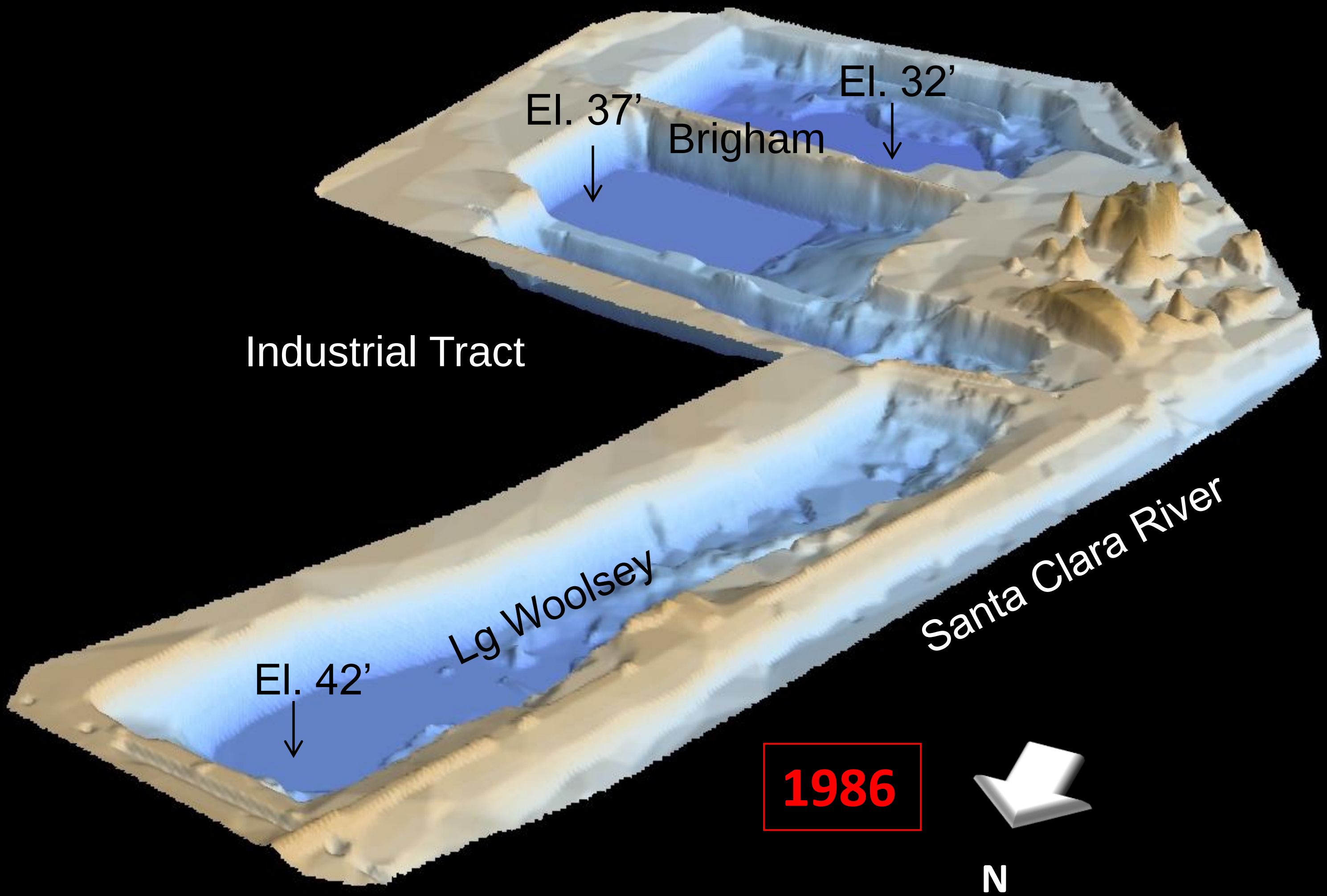
- Mining began mid-1940's by S.P. Milling
- Basin mining: 1960's to late 1990's
- Slope gradients: 2h:1v to 1h:1v
- Historical depths > 100 feet

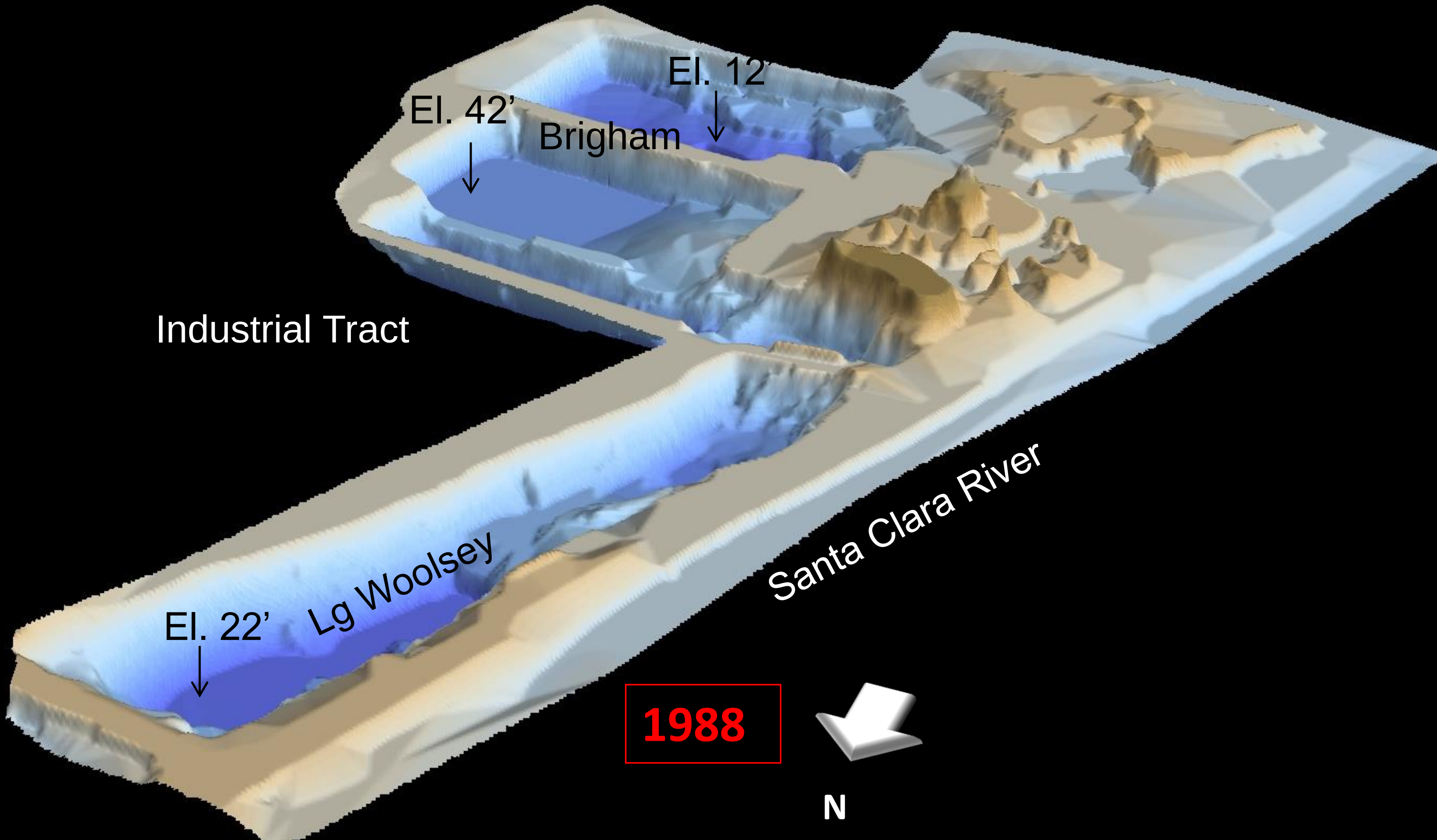

Brigham
Industrial Tract
Lg Woolsey
El. 52'
Santa Clara River
1966
N

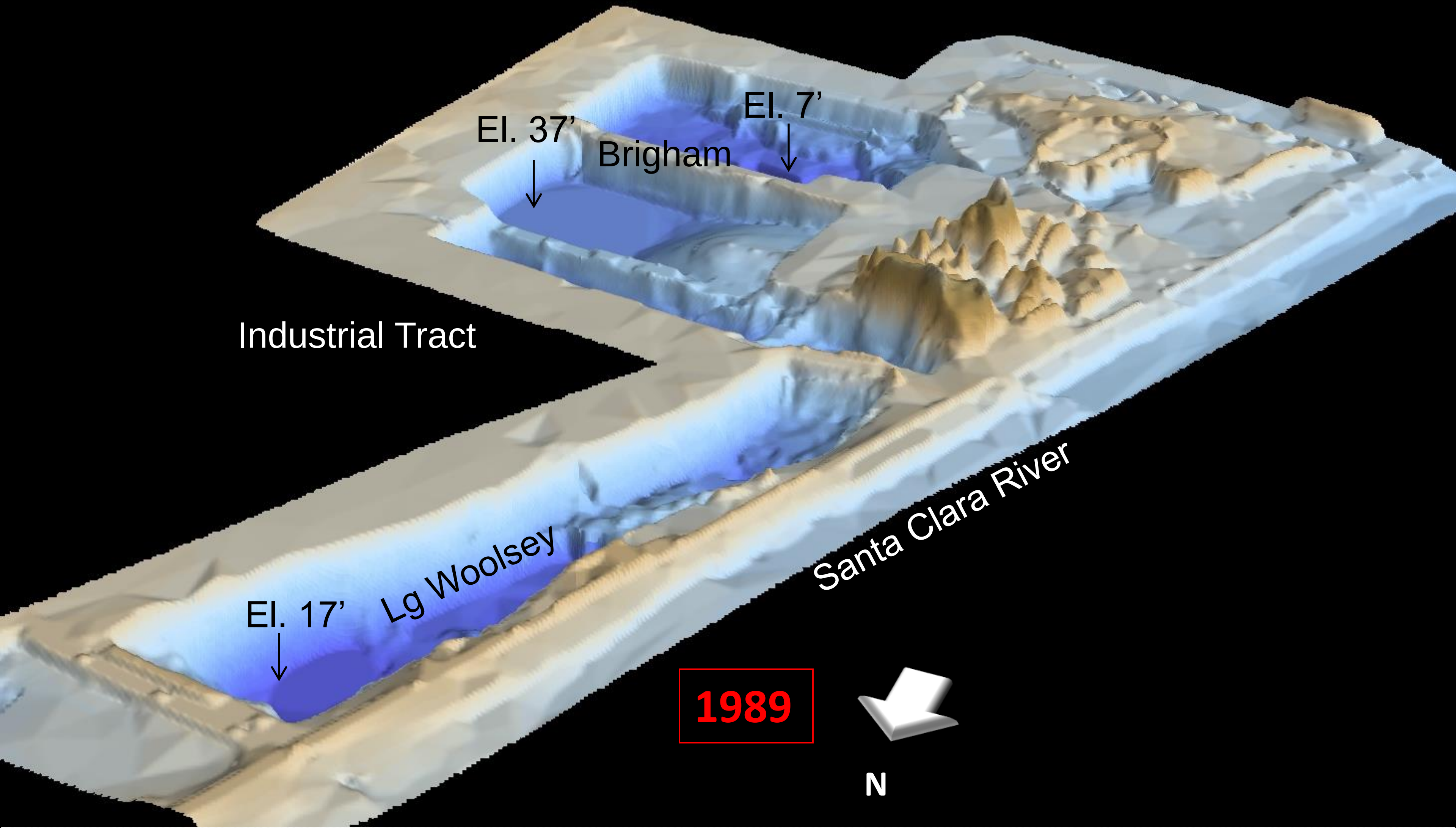


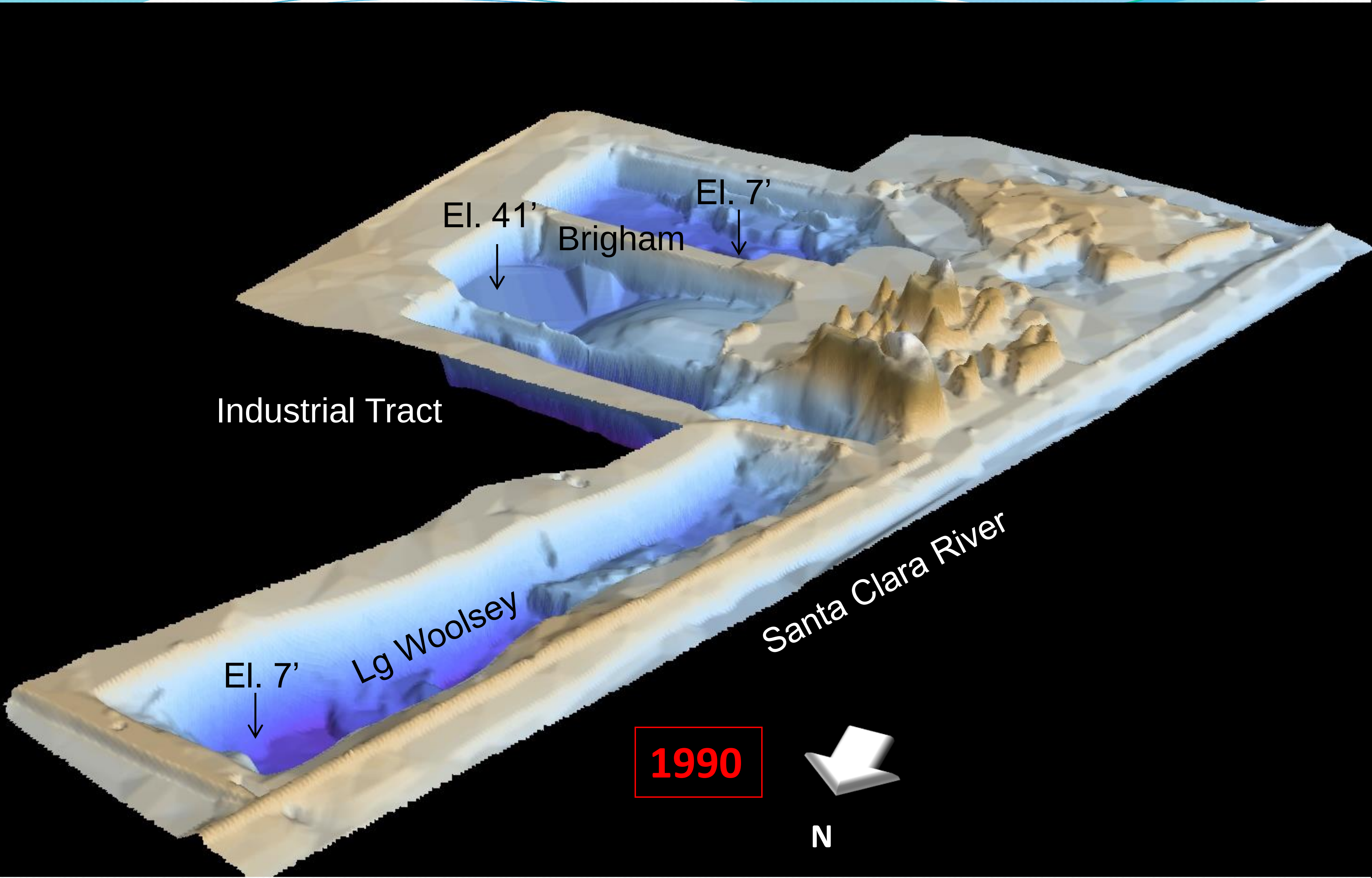
Brigham
Industrial Tract
Lg Woolsey
El. 52'
Santa Clara River
1967
N

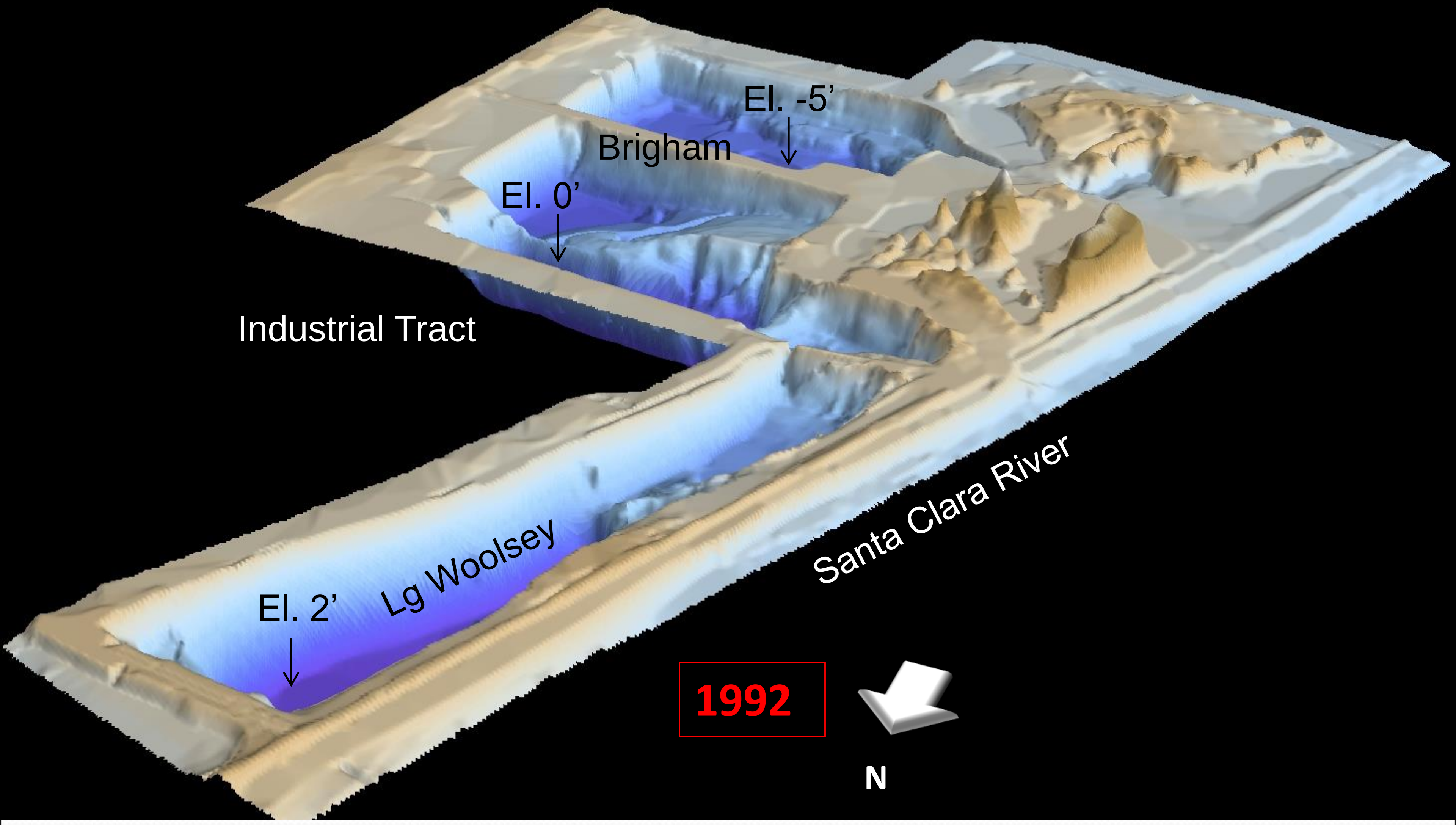

El. 2'
Brigham
Industrial Tract
Lg Woolsey
El. 15'
Santa Clara River
1977
N

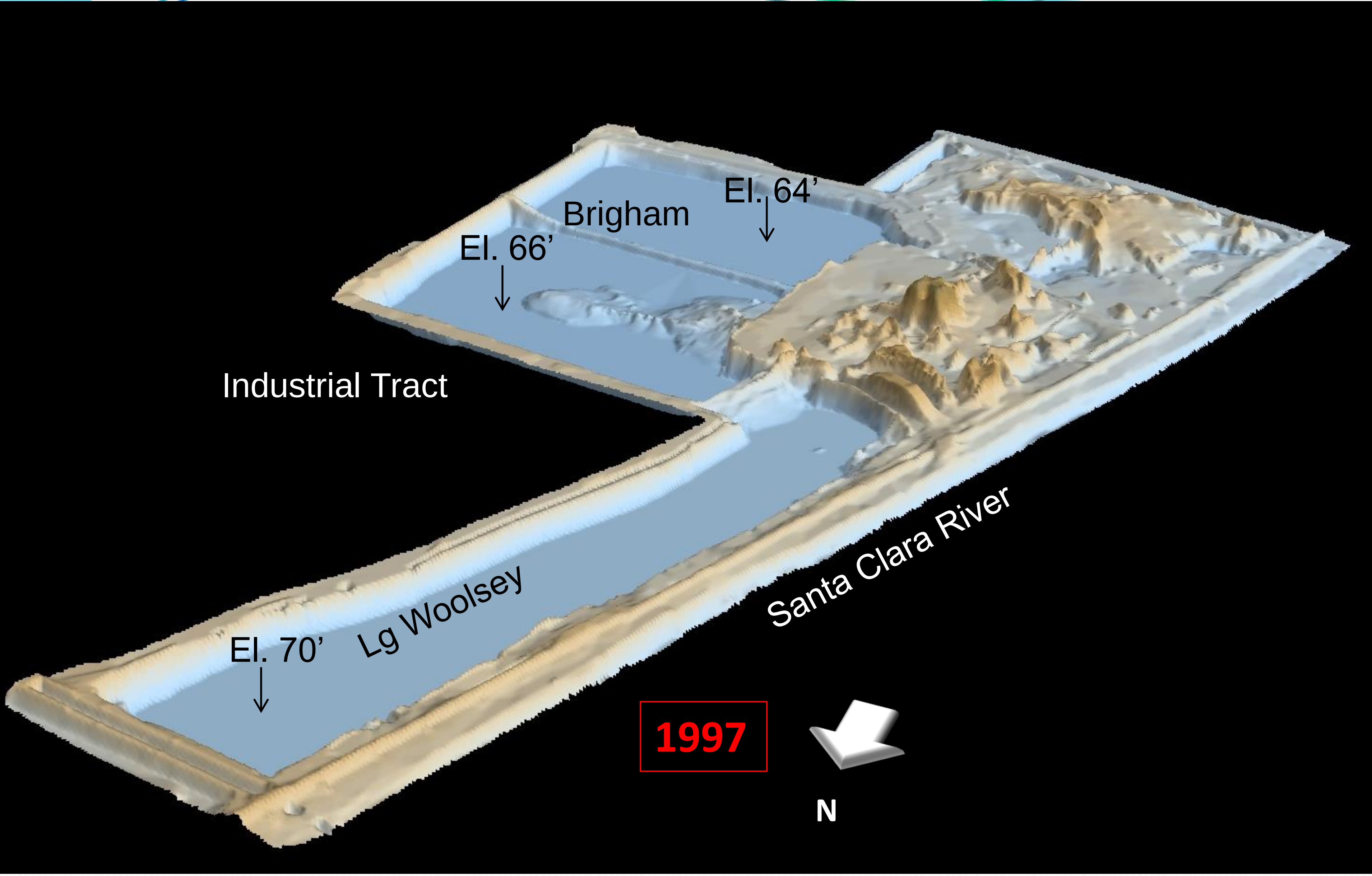

El. 37'
Brigham
El. 32'
Industrial Tract
Lg Woolsey
El. 42'
Santa Clara River
1986
N

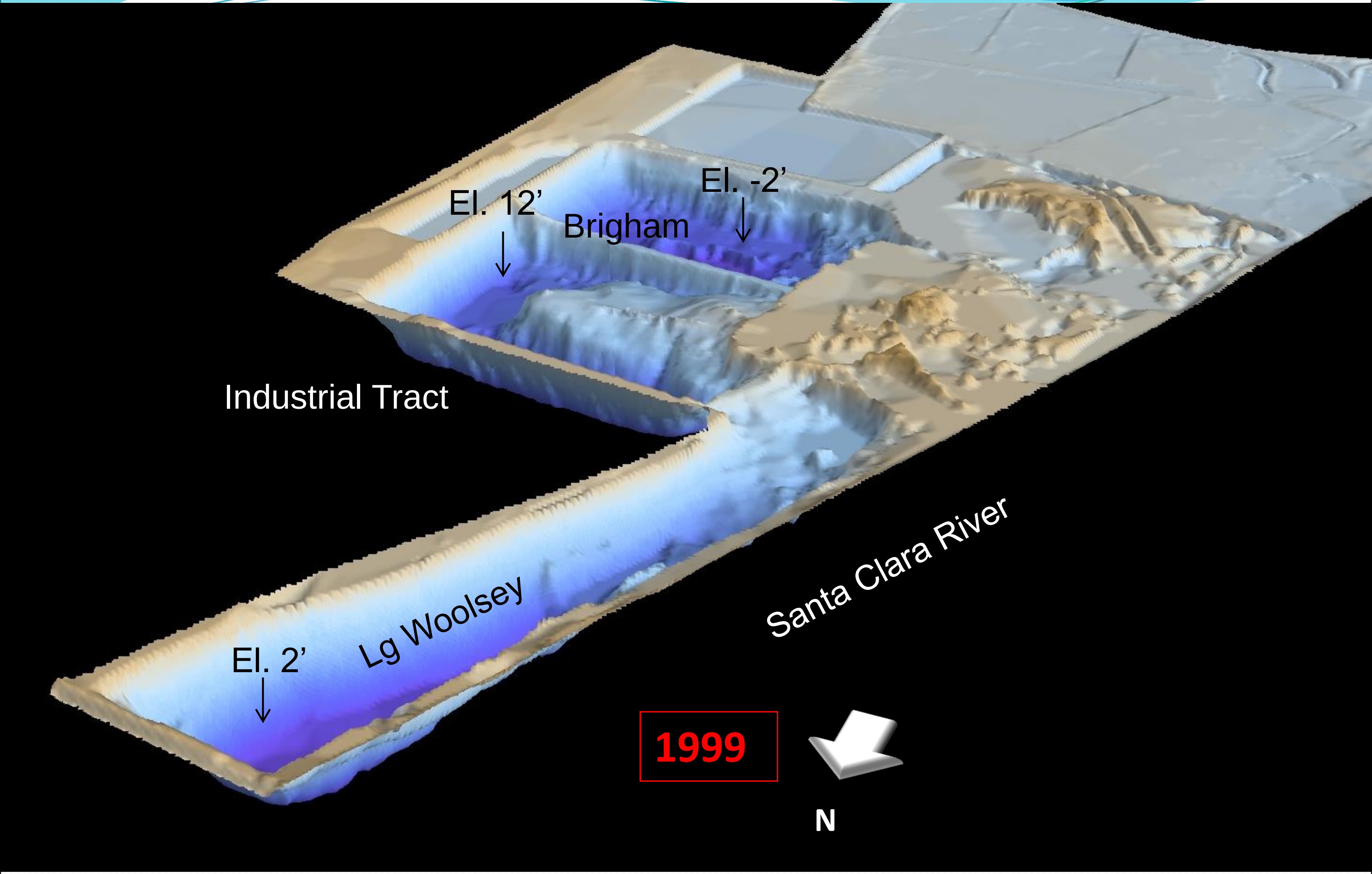

El. 12'
El. 42'
Brigham
Industrial Tract
Santa Clara River
Lg Woolsey
El. 22'
1988
N

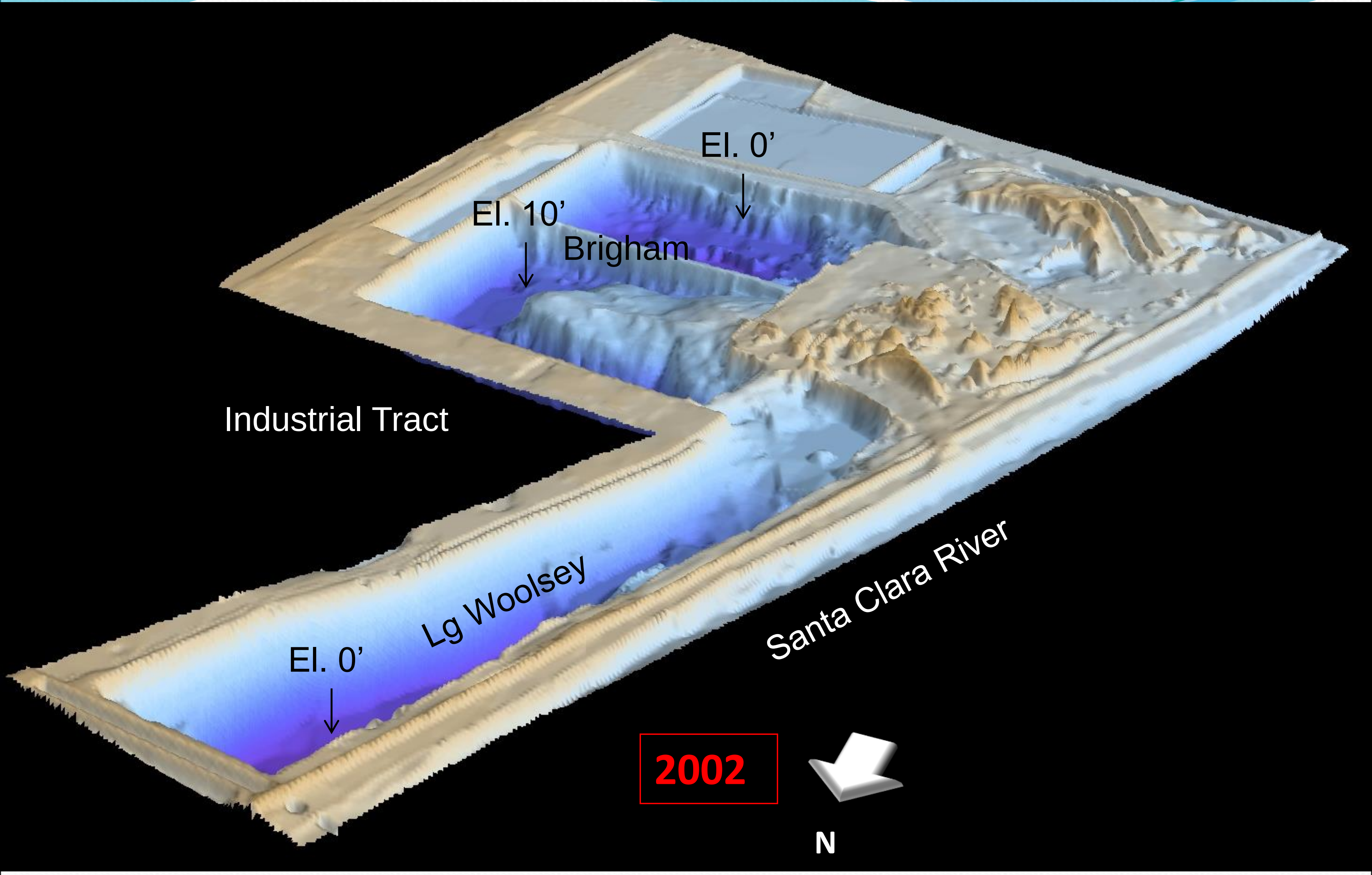

El. 37'
Brigham
El. 7'
Industrial Tract
Lg Woolsey
El. 17'
Santa Clara River
1989
N


El. 41'
Brigham
El. 7'
Industrial Tract
Lg Woolsey
El. 7'
Santa Clara River
1990
N


El. -5'
Brigham
El. 0'
Industrial Tract
Lg Woolsey
El. 2'
Santa Clara River
1992
N


El. 64'
Brigham
El. 66'
Industrial Tract
Santa Clara River
Lg Woolsey
El. 70'
1997
N


El. 12'
Brigham
El. -2'
Industrial Tract
Lg Woolsey
El. 2'
Santa Clara River
1999
N



El. 0'
El. 10'
Brigham
Industrial Tract
Lg Woolsey
Santa Clara River
El. 0'
2002
N

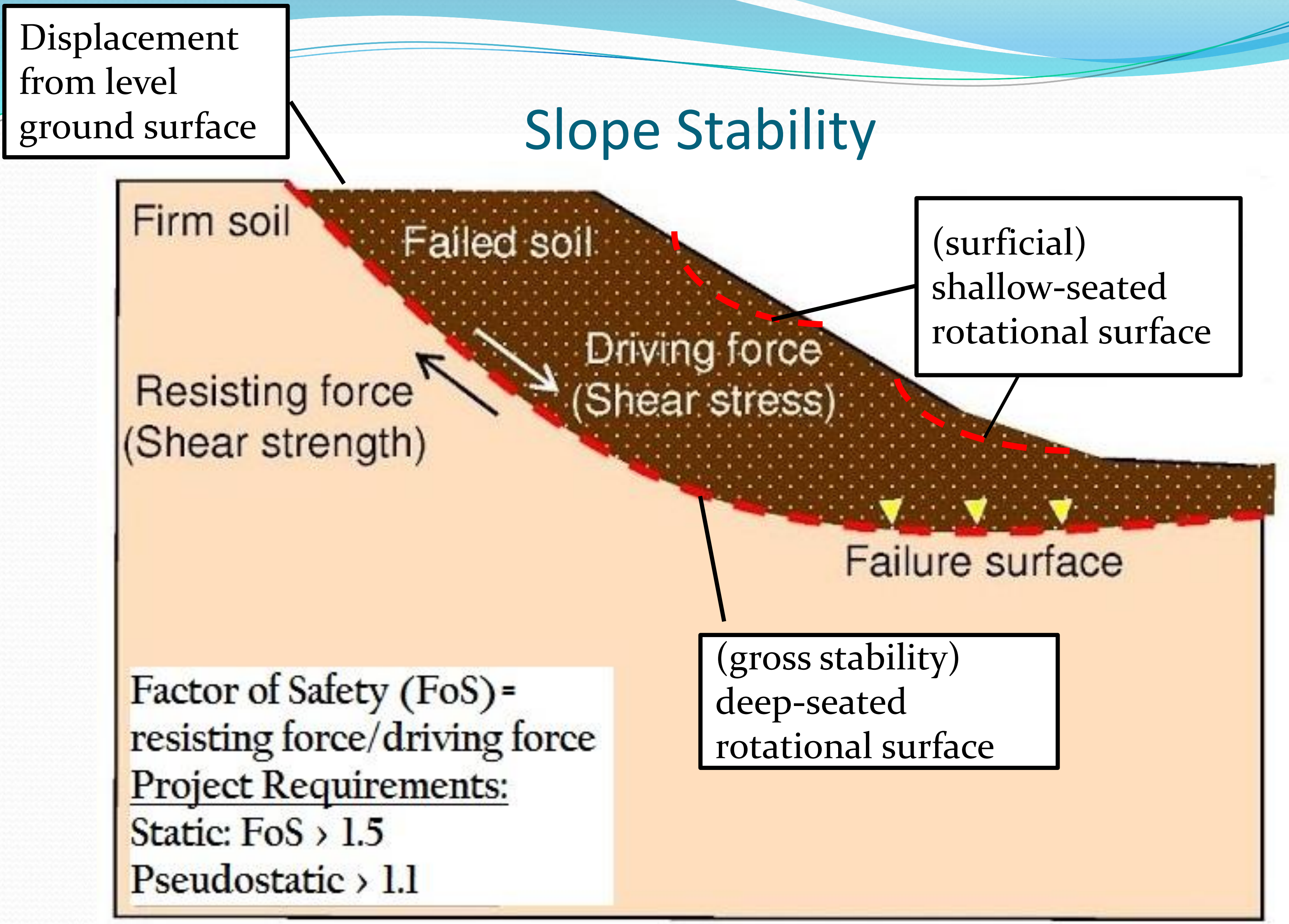
Geotechnical Challenges to Basin Reclamation

- Oversteepened Slopes
- Unsuitable Material/Debris
- Fluctuating Water Levels
- Wind and Wave Erosion
- Long-term Vegetation
- Property Line Setbacks

2002 Proposed Slope Mitigations

- 2002 Approved Reclamation Plan
- Long term static, seismic, surficial slope stability
  - Artificial Fill Removals
  - Flattening Slope Inclinations with Conventional Grading
  - Reconstructing Slopes with Geosynthetic Reinforcement
  - Deep Dynamic Compaction
  - Pile Reinforcement
  - Vegetation

Slope Stability



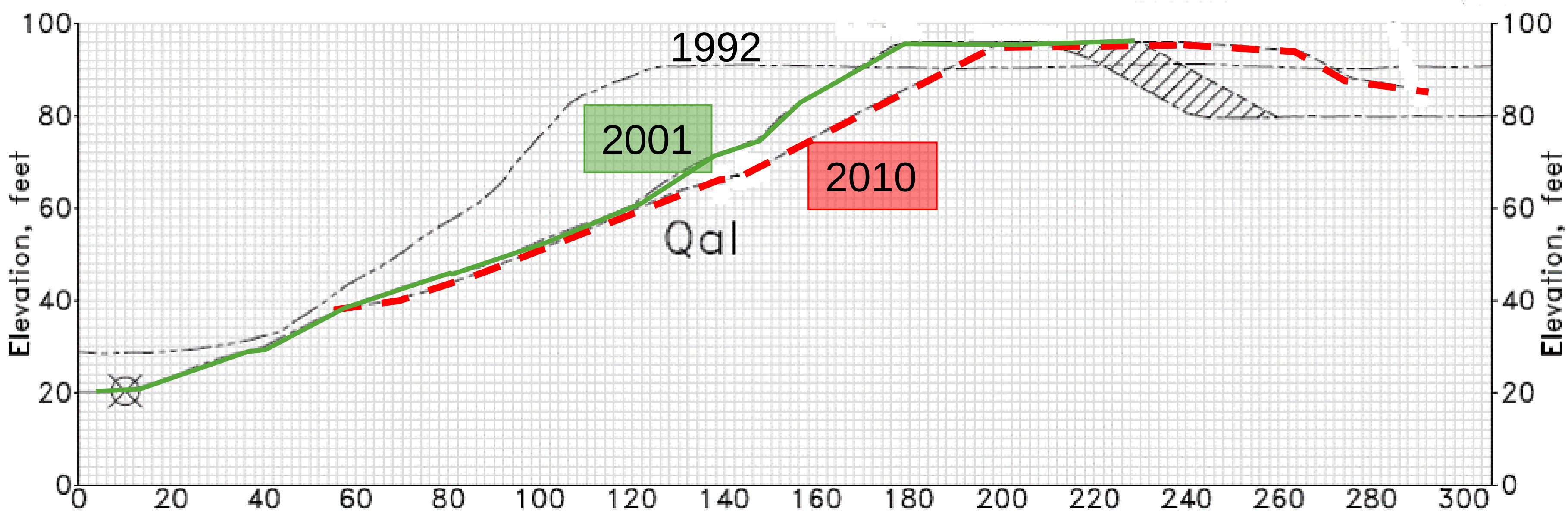
Factor of Safety (FoS) = resisting force/driving force

<u>Project Requirements:</u>

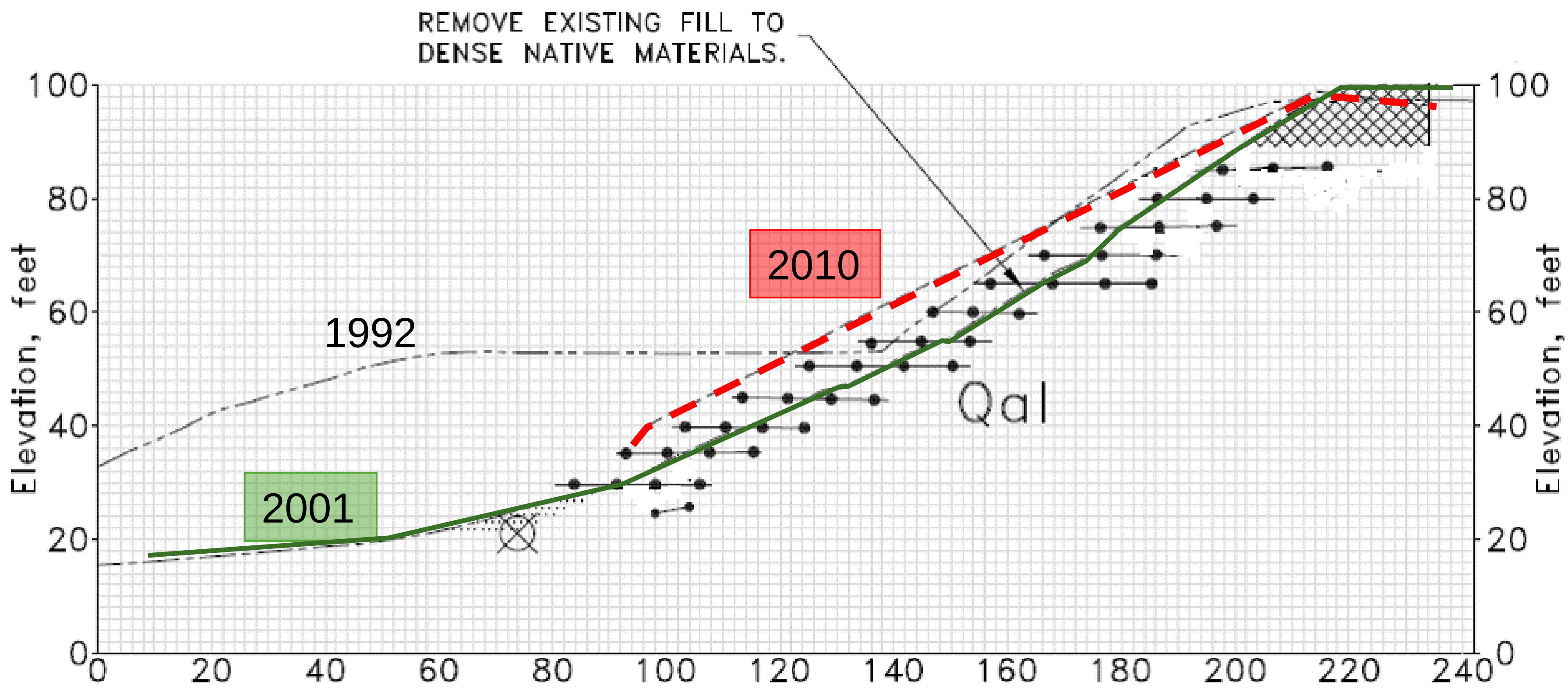
Static: FoS › 1.5

Pseudostatic › 1.1

Cut Slope/Slope Layback (typical)



Geogrid Reinforced Slope (typical)



2002 Proposed Basin Slope Mitigation

FUGRO NV5

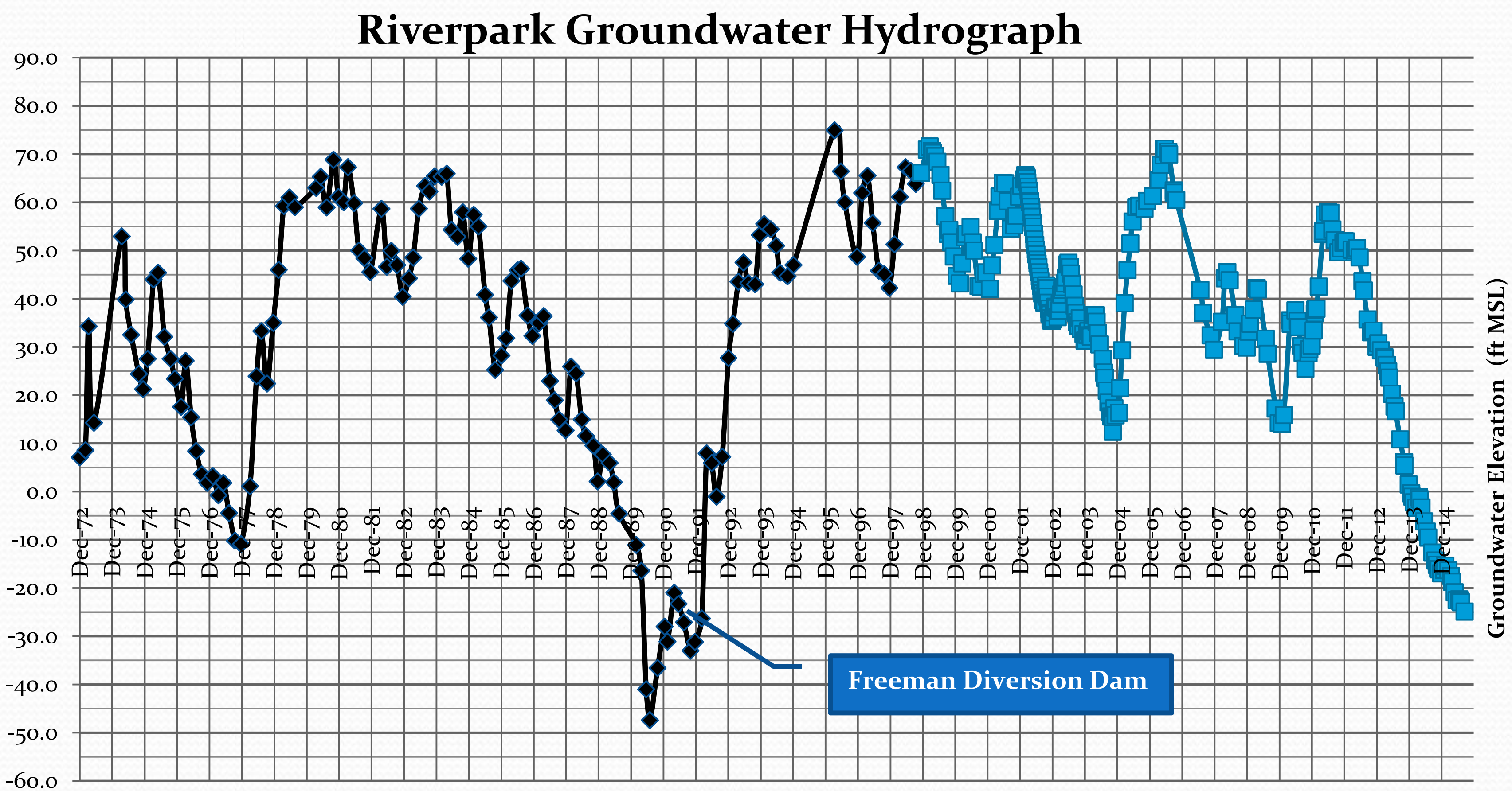
Challenges to Long Term Surficial/Erosional Stability



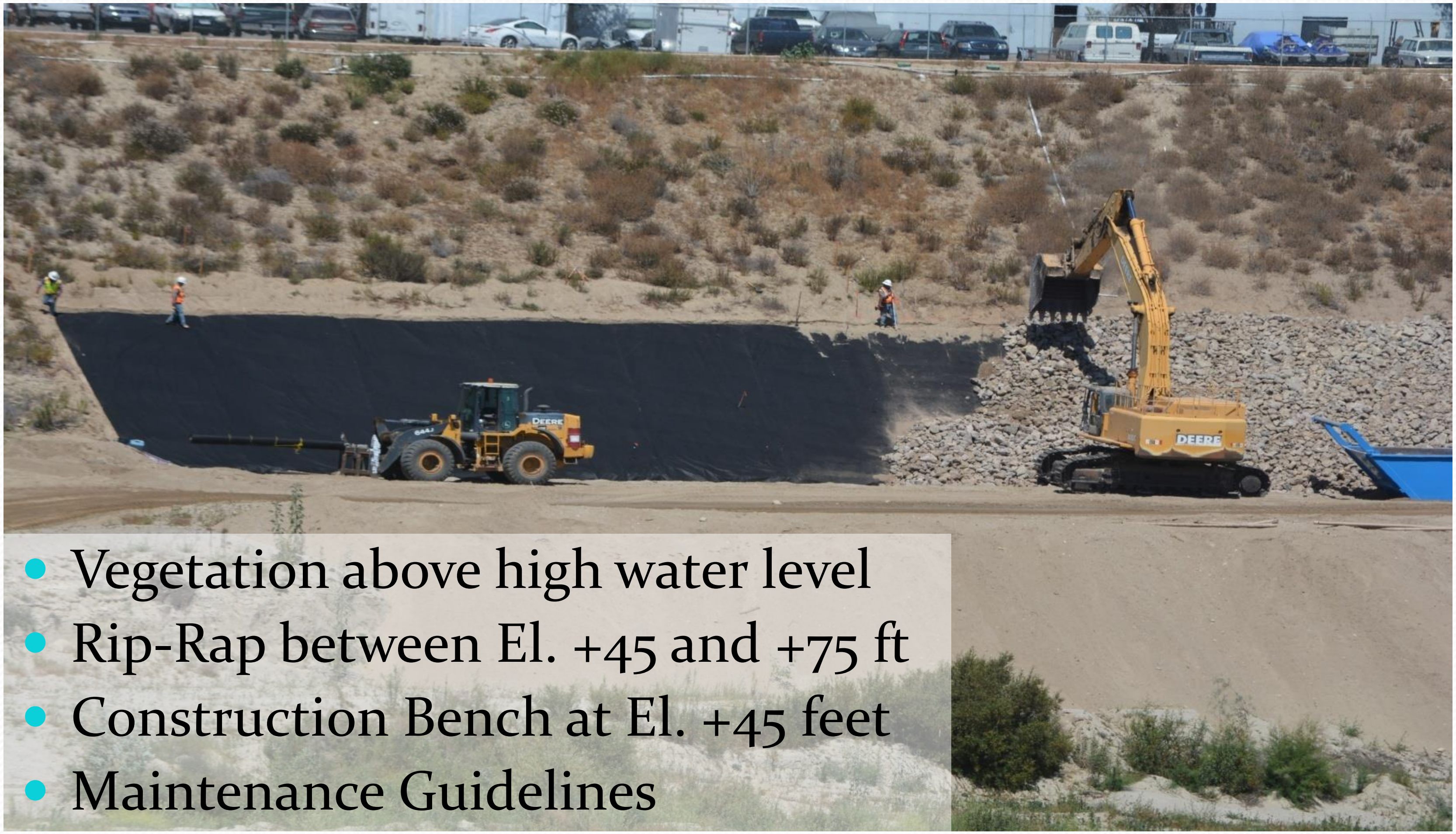



- Fluctuating water levels
- Vegetation doesn't survive below water
- Sandy soils subject to wave/wind erosion

Challenges to Long Term Surficial/Erosional Stability



Surficial Stability/Erosion Mitigation

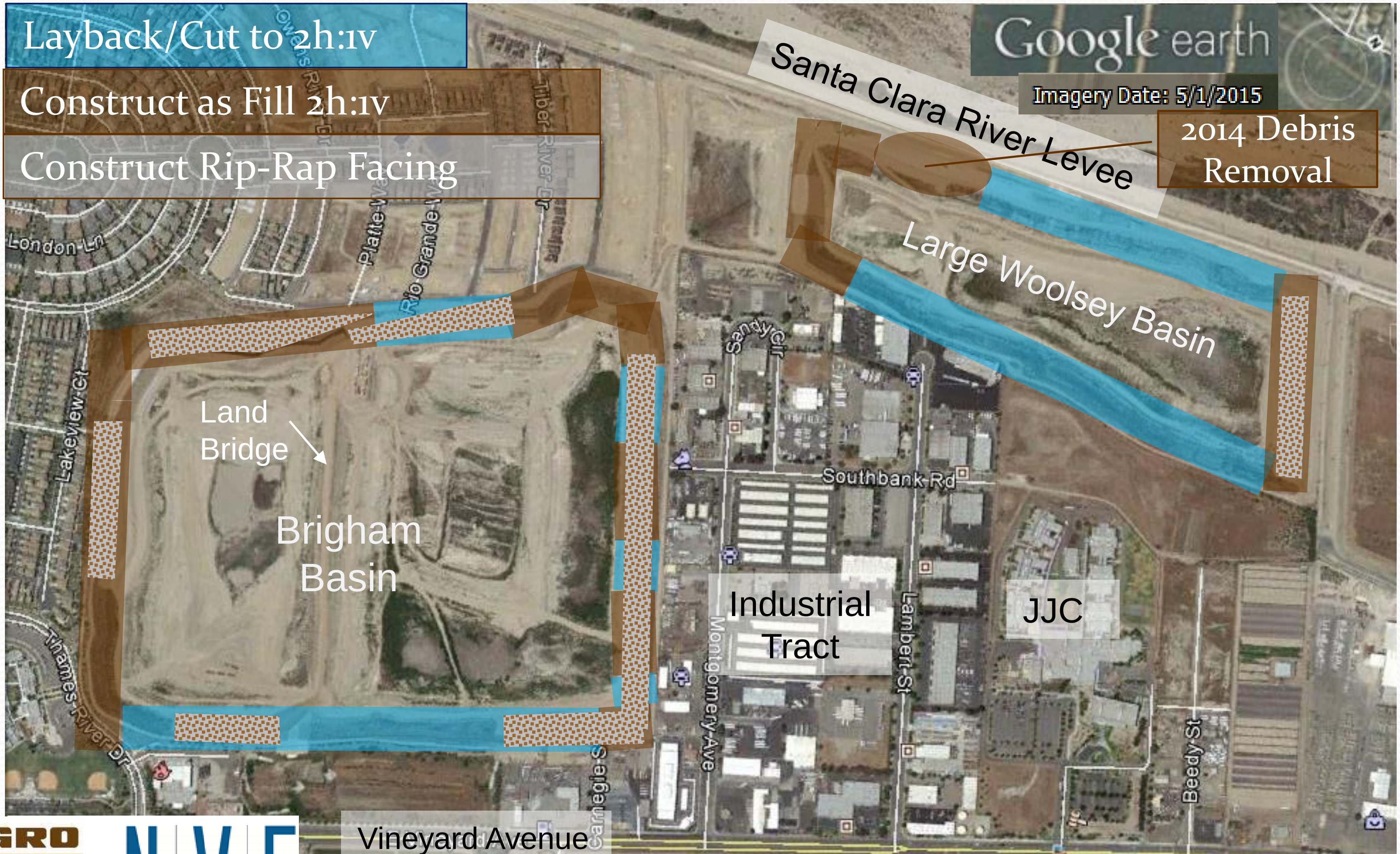


- Vegetation above high water level
- Rip-Rap between El. +45 and +75 ft
- Construction Bench at El. +45 feet
- Maintenance Guidelines

Slope Maintenance and Erosion Control Guidelines and Rules

- Visual Inspections and Annual Status Report
  (Inspection frequency varies with rainy season)
- Items to Note: Erosional features, exposed fabric/geogrid, poorly vegetated areas, condition of rock facing, other
- Maintenance and Repair Conditions
  (timing defined in document and varies with severity and accessibility of observed condition)
- Rodent burrows
- Erosional benches, rills, gullies
- Re-vegetation/removal of invasive species
- Irrigation monitoring/adjustment

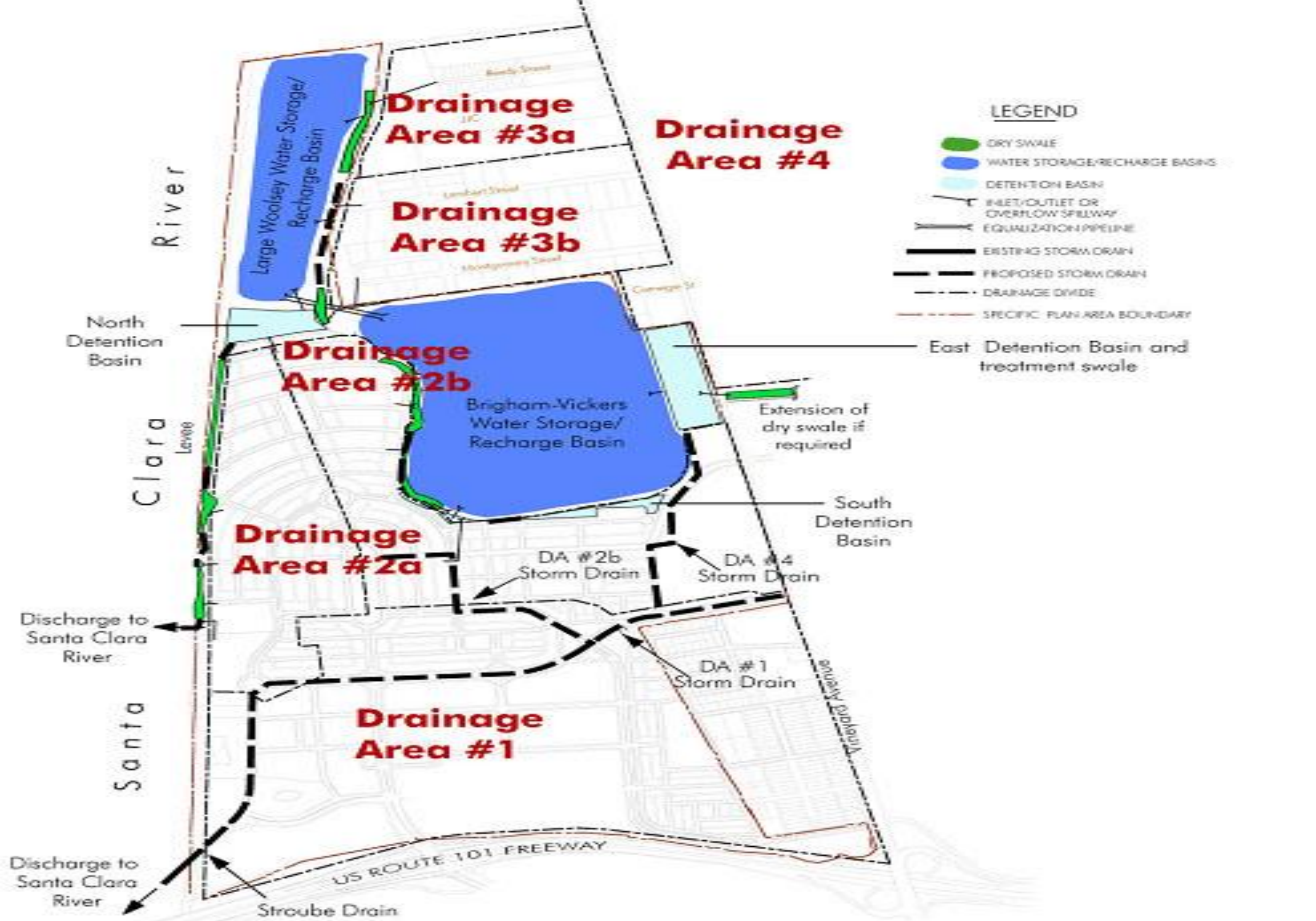
2015 Reclaimed Basin Slopes



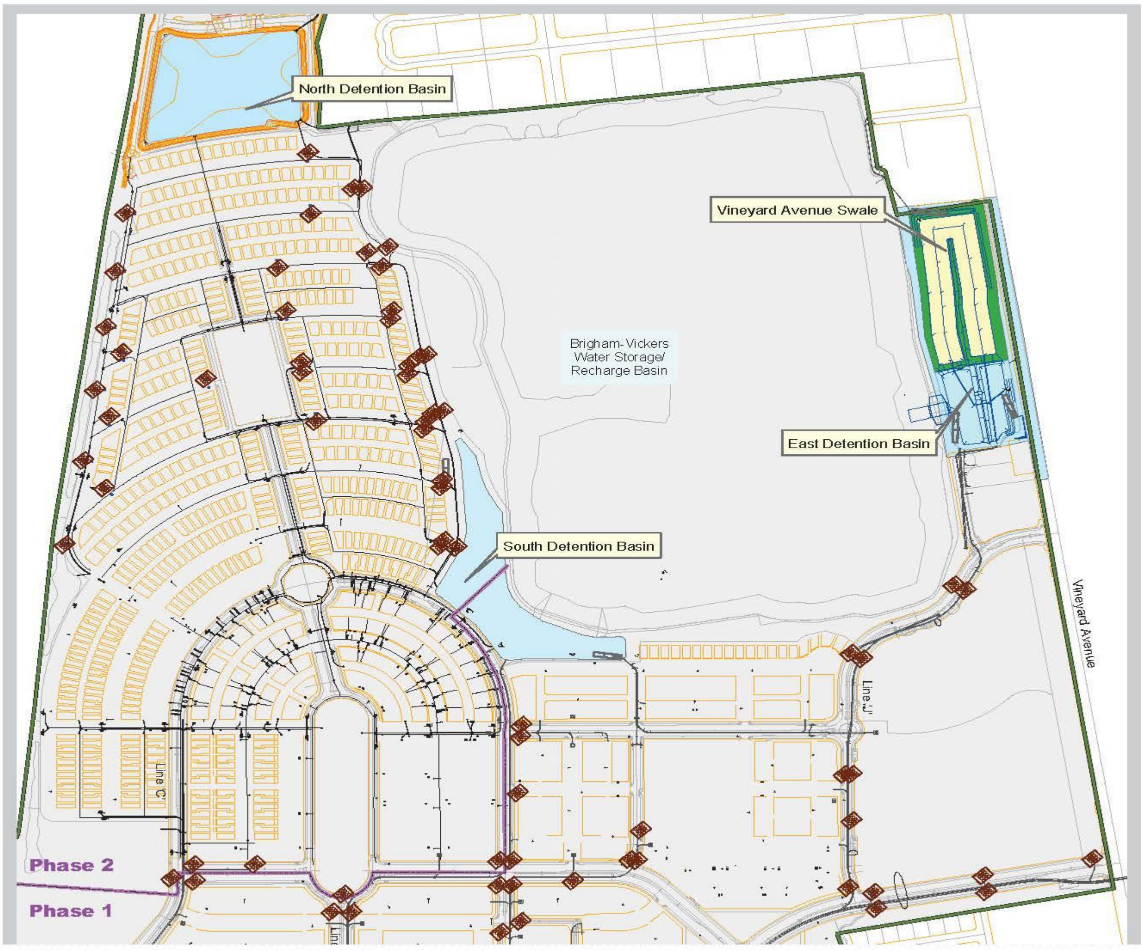
FUGRO NV5

RiverPark Basins Storm Water Drainage and Water Quality

- Ecologically-based storm water treatment
- Storm water filtration units
- Detention Basins
- Remediation of existing gravel pits


Drainage Area #3a
Drainage Area #4
Drainage Area #3b
Drainage Area #2b
Drainage Area #2a
Drainage Area #1
Large Woolsey Water Storage/ Recharge Basin
Brigham-Vickers Water Storage/ Recharge Basin
North Detention Basin
East Detention Basin and treatment swale
Extension of dry swale if required
South Detention Basin
DA #2b Storm Drain
DA #4 Storm Drain
DA #1 Storm Drain
Discharge to Santa Clara River
Discharge to Santa Clara River
Stroube Drain
US ROUTE 101 FREEWAY
Vineyard Avenue
Santa Clara River
Levee
LEGEND
DRY SWALE
WATER STORAGE/RECHARGE BASINS
DETENTION BASIN
INLET/OUTLET OR OVERFLOW SPILLWAY
EQUALIZATION PIPELINE
EXISTING STORM DRAIN
PROPOSED STORM DRAIN
DRAINAGE DIVIDE
SPECIFIC PLAN AREA BOUNDARY

RiverPark Basins Storm Water Drainage and Water Quality



RiverPark Basins Environmental Setting and Assessment

JPA Four Party Agreement Requirements

- An assessment of the potential contaminant impacts to sediments from historic storm water run-on from adjacent industrial and agricultural areas

Site Assessment and Work Plan

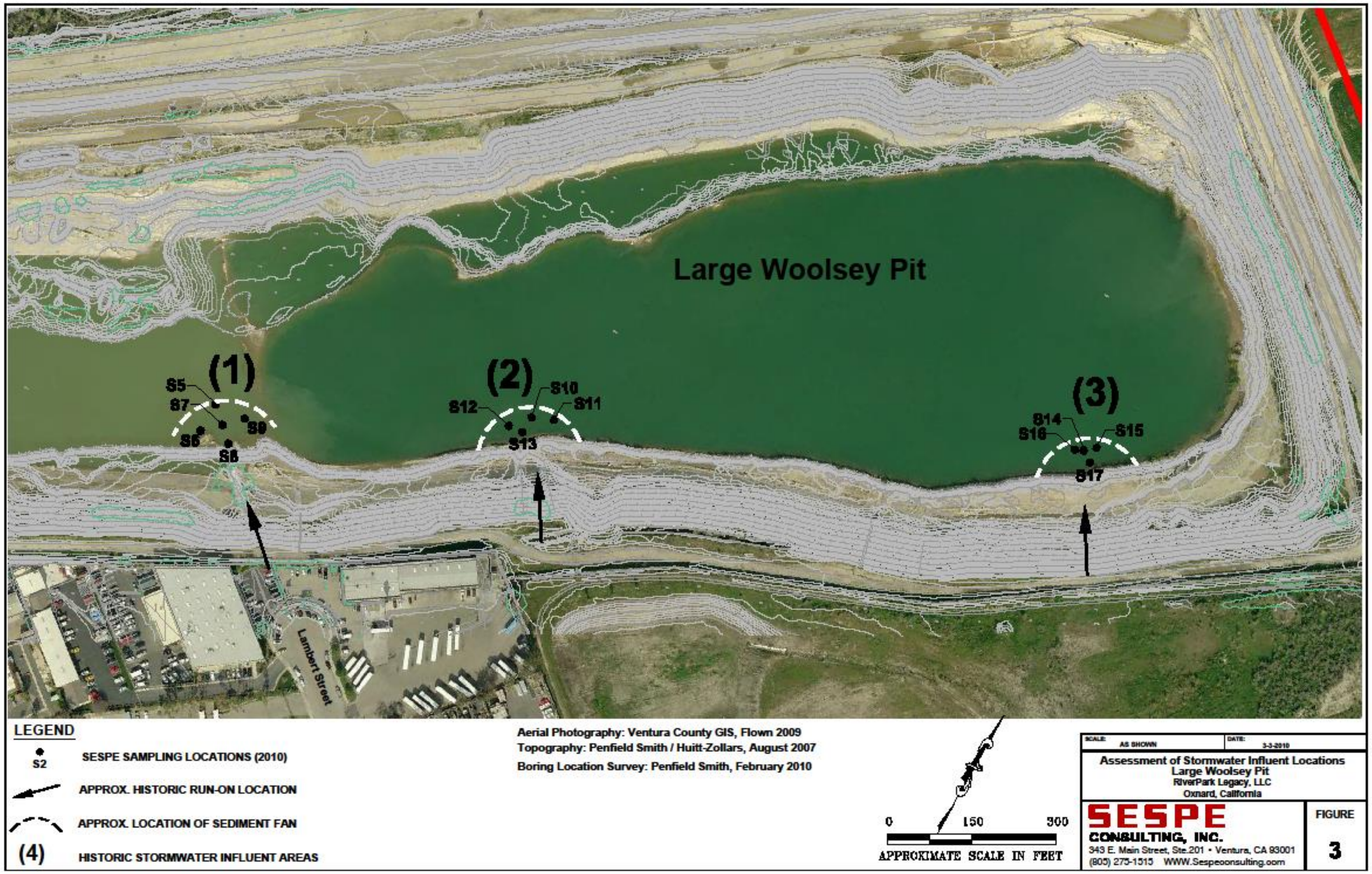
- Locations of Run on Points determined by West Coast Environmental (WCE), 2004
- Work plan developed in 2004 with input and approval from City and UWCD

RiverPark Basins Environmental Setting and Assessment

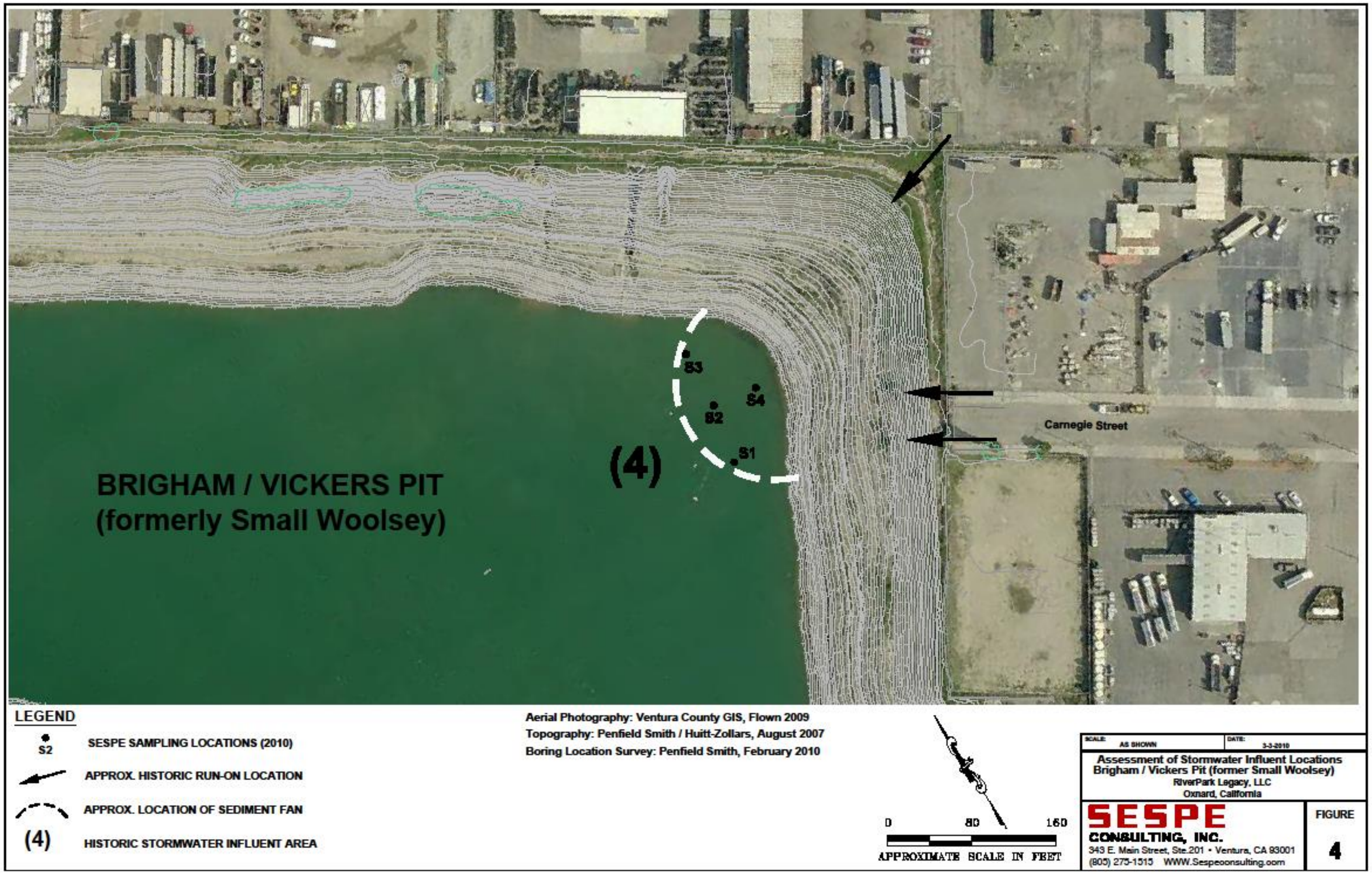
Sampling

- Analysis: PCB's, Organochlorine Pesticides and Herbicides, Total Petroleum Hydrocarbons, CAM17 Metals, and BETX, Oxygenates and VOC's
- Assessment and report was completed in 2005, sample locations were limited due to rising water in the pits. Sampling completed in 2010

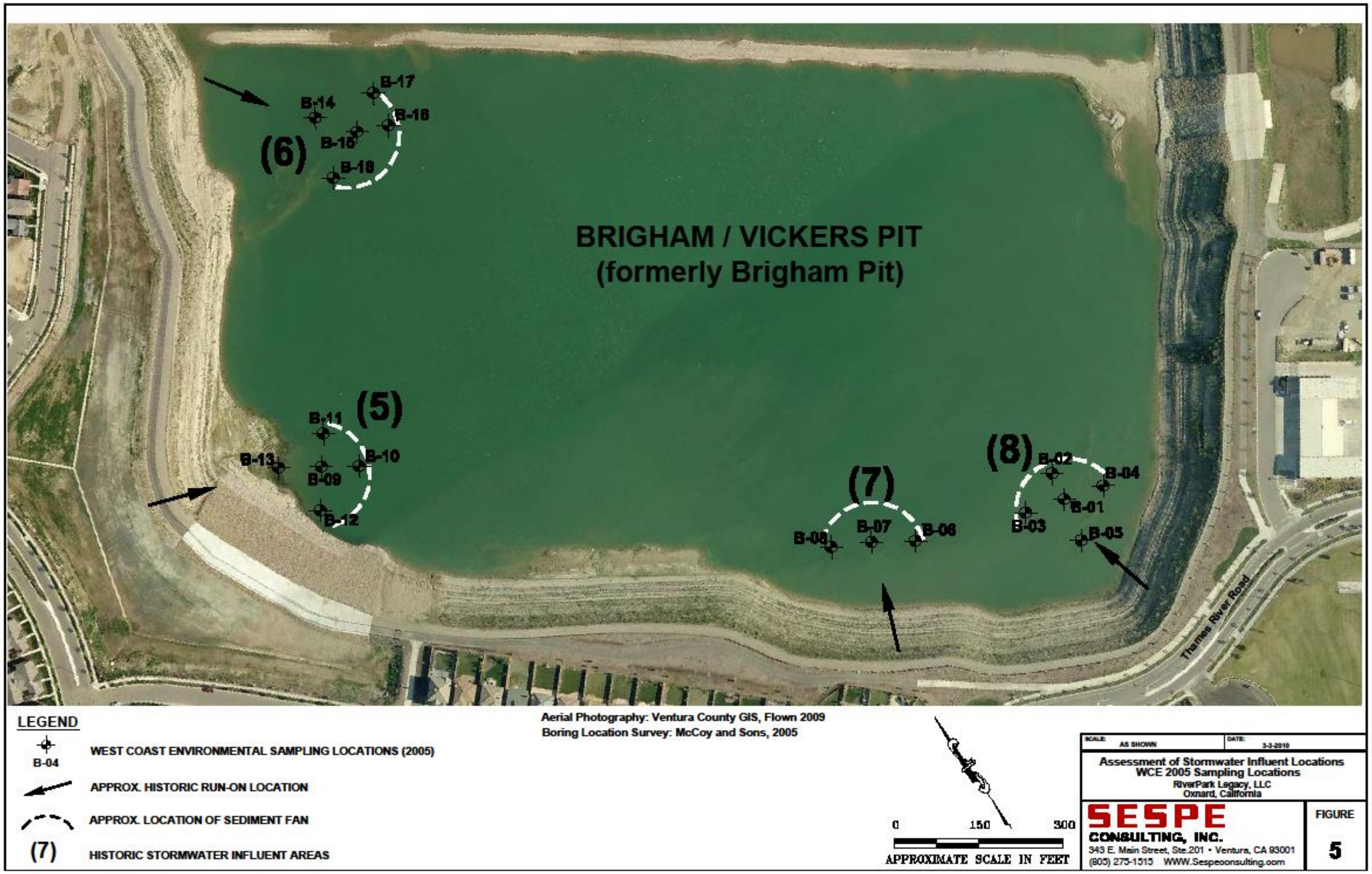
Pit Assessment Sampling Locations



Pit Assessment Sampling Locations



Pit Assessment Sampling Locations



RiverPark Basins Environmental Setting and Assessment

Assessment and Report

- One sample exceeded guidance levels that are protective of groundwater and of workers.
- Surface sample S16-0, taken from influent location #3 in the Large Woolsey pit, contained 15 μg/kg benzene, which exceeds two regulatory screening levels.
- Report concludes that the residual VOC's from S16 do not represent a significant release
- Results were transmitted to City and UWCD.

RiverPark Basins Erosion Control and Maintenance Guidelines

- Four Party Agreement, Section 6 E. requires adoption of Maintenance Rules
- Cut and Fill Slope Maintenance
- Slope Rock Facing Protection
- Slope Vegetation Maintenance
- Emergency Maintenance Guidelines
- Inspection Checklist

RiverPark Basins Projected Maintenance Costs

- RiverPark funding $705,000 upon acceptance into JPA
- Projected average 5 year maintenance costs (over 50 years)
  - $117,840/five year period
  - Slope vegetation maintenance
  - Slope regrade/repair criteria
  - Annual Escalation factor at 1%
  - Administration ,Biological, and Geotechnical Oversight

RiverPark Reclamation Plan

- Questions
- Next Meeting
  - Erosion Control and Maintenance Guidelines Board Review Comments
  - Adoption of Erosion Control Maintenance Guidelines
  - Discussion on Terms of Tender
  - Meeting Date: January 20, 2015, Location to be determined.

RiverPark Reclamation Plan

CITY OF OXNARD CALIFORNIA

UNITED WATER CONSERVATION DISTRICT

RIVERPARK