

PUBLICATIONS OF THE  
SMARA MINERAL LAND CLASSIFICATION PROJECT  
DEALING WITH  
MINERAL RESOURCES IN CALIFORNIA

**August 2020**

California Department of Conservation  
California Geological Survey  
Mineral Resources Program  
SMARA Mineral Land Classification Project  
801 K Street, MS 12-31  
Sacramento, CA 95814

Mineral Resources Program Manager:  
Fred W. Gius, Supervising Engineering Geologist (916) 322-2719  
[Fred.Gius@conservation.ca.gov](mailto:Fred.Gius@conservation.ca.gov)

## TABLE OF CONTENTS

INDEX TO SMARA SPECIAL REPORTS DEALING WITH MINERAL RESOURCES .....	3
INDEX TO SMARA SPECIAL REPORTS SHOWING COUNTY/AREA.....	8
INDEX TO SMARA OPEN-FILE REPORTS DEALING WITH MINERAL RESOURCES.....	11
INDEX TO SMARA OPEN-FILE AND SPECIAL REPORTS BY COUNTY.....	18
INDEX TO COUNTIES WHERE NO SMARA CLASSIFICATION HAS OCCURRED.....	21
RELATED REPORTS.....	21

**INDEX TO SMARA SPECIAL REPORTS DEALING WITH MINERAL RESOURCES**

- SR 132** Mineral Land Classification: Portland Cement Concrete-Grade Aggregate in the **Yuba City-Marysville** Production-Consumption Region.  
Habel, R.S., and Campion, L.F., **1988**.
- SR 139** Aggregates in the **Greater Los Angeles Area**, California.  
Evans, J.R., Anderson, T.P., Manson, M.W., Maud, R.L., Clark, W.B., and Fife, D.L., **1979**.
- SR 143** Part I: Mineral Land Classification of the **Greater Los Angeles Area** Description of the Mineral Land Classification Project of the **Greater Los Angeles Area**.  
Anderson, T.P., Loyd, R.C., Clark, W.B., Miller, R.V., Corbaley, R., Kohler, S.L., and Bushnell, M.M., **1979**.
- SR 143** Part II: Mineral Land Classification of the **Greater Los Angeles Area**: Classification of Sand and Gravel Resource Areas, **San Fernando Valley** Production-Consumption Region.  
Anderson, T.P., Loyd, R.C., Clark, W.B., Miller, R.V., Corbaley, R., Kohler, S.L., and Bushnell, M.M., **1979**.
- SR 143** Part III: Mineral Land Classification of the **Greater Los Angeles Area**: Classification of Sand and Gravel Resource Areas, **Orange County-Temescal Valley** Production-Consumption Region.  
Miller, R.V., and Corbaley, R., **1981**.
- SR 143** Part IV: Mineral Land Classification of the **Greater Los Angeles Area**: Classification of Sand and Gravel Resource Areas, **San Gabriel Valley**, Production-Consumption Region.  
Kohler, S.L., **1982**.
- SR 143** Part V: Mineral Land Classification of the **Greater Los Angeles Area**: Classification of Sand and Gravel Resource Areas, **Saugus-Newhall** Production-Consumption Region and **Palmdale** Production-Consumption Region.  
Joseph, S.E., Miller, R.V., Tan, S.S., and Goodman, R.W., **1984**.
- SR 143** Part VI: Mineral Land Classification of the **Greater Los Angeles Area**: Classification of Sand and Gravel Resource Areas, **Claremont-Upland** Production-Consumption Region.  
Cole, J.W., **1984**.
- SR 143** Part VII: Mineral Land Classification of the **Greater Los Angeles Area**: Classification of Sand and Gravel Resource Areas, **San Bernardino** Production-Consumption Region.  
Miller, R.V., **1984**.

- SR 145** Part I: Mineral Land Classification of **Ventura County**: Description of the Mineral Land Classification Project of **Ventura County**;  
Anderson, T.P., Loyd, R.C., Kiessling, E.W., Kohler, S.L., and Miller, R.V., **1981**.
- SR 145** Part II: Mineral Land Classification of **Ventura County**: Classification of Sand, Gravel, and Crushed Rock Resource Areas, **Simi** Production-Consumption Region;  
Anderson, T.P., Loyd, R.C., Kiessling, E.W., Kohler, S.L., and Miller, R.V., **1981**.
- SR 145** Part III: Mineral Land Classification of **Ventura County**: Classification of Sand, Gravel, and Crushed Rock Resource Areas, **Western Ventura County** Production-Consumption Region.  
Anderson, T.P., Loyd, R.C., Kiessling, E.W., Kohler, S.L., and Miller, R.V., **1981**.
- SR 146** Part I: Mineral Land Classification: Aggregate Materials in the **San Francisco-Monterey Bay Area**: Project Description: Mineral Land Classification for Construction Aggregate in the **San Francisco Monterey Bay Area**.  
Stinson, M.C., Manson, M.W., and Plappert, J.J., **1986**.
- SR 146** Part II: Mineral Land Classification: Aggregate Materials in the **San Francisco-Monterey Bay Area**: Classification of Aggregate Resource Areas: **South San Francisco Bay** Production-Consumption Region.  
Stinson, M.C., Manson, M.W., and Plappert, J.J., **1987**.
- SR 146** Part III: Mineral Land Classification: Aggregate Materials in the **San Francisco-Monterey Bay Area**: Classification of Aggregate Resource Areas: **North San Francisco Bay** Production-Consumption Region.  
Stinson, M.C., Manson, M.W., and Plappert, J.J., **1987**.
- SR 146** Part IV: Mineral Land Classification: Aggregate Materials in the **San Francisco-Monterey Bay Area**: Classification of Aggregate Resource Areas: **Monterey Bay** Production-Consumption Region.  
Stinson, M.C., Manson, M.W., and Plappert, J.J., **1987**.
- SR 147** Mineral Land Classification: Aggregate Materials in the **Bakersfield** Production-Consumption Region.  
Cole, J.W., **1988**.
- SR 153** Mineral Land Classification: Aggregate Materials in the **Western San Diego County** Production-Consumption Region.  
Kohler, S.L., and Miller, R.V., **1982**.
- SR 156** Mineral Land Classification: Portland Cement Concrete-Grade Aggregate in the **Sacramento-Fairfield** Production-Consumption Region.  
Dupras, D.L., **1988**.

- SR 158** Mineral Land Classification: Aggregate Materials in the **Fresno** Production-Consumption Region.  
Cole, J.W., and Fuller, D.R., **1988**.
- SR 159** Mineral Land Classification: Aggregate Materials in the **Palm Springs** Production-Consumption Region.  
Miller, R.V., **1988**.
- SR 160** Mineral Land Classification Portland Cement Concrete Aggregate in the **Stockton-Lodi** Production-Consumption Region.  
Jensen, L.S., and Silva, M.A., **1988**.
- SR 162** Mineral Land Classification: Portland Cement Concrete Aggregate and Active Mines of all other Mineral Commodities in the **San Luis Obispo-Santa Barbara** Production-Consumption Region.  
Miller, R.V., Cole, J.W., and Clinkenbeard, J.P., **1989**.
- SR 164** Mineral Land Classification of **Nevada County**, California.  
Loyd, R.C., and Clinkenbeard, J.P., **1990**.
- SR 165** Mineral Land Classification of the **Temescal Valley Area, Riverside County**, California.  
Miller, R.V., Shumway, D.O., and Hill, R.L., **1991**.
- SR 166** Mineral Land Classification of the **Eureka-Saline Valley Area, Mono and Inyo Counties**, California.  
Taylor, G.C., and Joseph, S.E., **1993**.
- SR 167** Mineral Land Classification of the **Ash Meadows, Big Dune, Eagle Mountain, Funeral Peak, Ryan, Pahrump, and Stewart Valley 15-Minute Quadrangles and High Peak 7.5-Minute Quadrangle, Inyo County**, California.  
Taylor, G.C., **1993**.
- SR 168** Mineral Land Classification of the **Kerens, Flynn, and Colton Well 15-Minute Quadrangles, San Bernardino County, California**.  
Loyd, R.C., **1993**.
- SR 169** Mineral Land Classification of the **San Andreas 15-Minute Quadrangle, Calaveras County**, California.  
Taylor, G.C., Greenwood, R.B., and Joseph, S.E., **1993**.
- SR 173** Mineral Land Classification of **Stanislaus County**, California.  
Higgins, C.T., and Dupras, D.L., **1993**.
- SR 175** Mineral Land Classification of Aggregate Materials in **Sonoma County**, California.  
Miller, R.V., Kohler, S.L., Busch, L.L., Dupras, D.L., and Clinkenbeard, J.P., **2005**.  
(Petition)

- SR 177** Mineral Land Classification of the Long Valley Pozzolan Deposits, **Lassen County**, California.  
Downey, C., Kohler, S.L., **2001**.
- SR 180** Mineral Land Classification of Granite Construction Inc.'s Handley Ranch Site, **Monterey County**, California, for Construction Aggregate Resources.  
Kohler, S.L., **2003**. (Petition)
- SR 191** Mineral Land Classification of National Quarries' Twin Oaks Valley Road Site, San Marcos, **San Diego County**, California – for Construction Aggregate Resources.  
Busch, L.L., **2006**. (Petition)
- SR 198** Update of Mineral Land Classification for Portland Cement Concrete-Grade Aggregate in the Palm Springs Production-Consumption Region, **Riverside County**, California.  
Busch, L.L., **2007**.
- SR 199** Update of Mineral Land Classification for Portland Cement Concrete-Grade Aggregate in the Stockton-Lodi Production-Consumption Region, **San Joaquin and Stanislaus Counties**, California.  
Smith, J.D. and Clinkenbeard J.P., **2012**
- SR 200** Mineral Land Classification of the Granite Construction Company Liberty Quarry Site, Temecula, **Riverside County**, California - For Portland Cement Concrete-Grade Aggregate.  
Busch, L.L. and Miller, R.V. **2007** (Petition)
- SR 202** Update of Mineral Land Classification for Portland Cement Concrete-Grade Aggregate in the Claremont-Upland Production-Consumption Region, **Los Angeles and San Bernardino Counties**, California.  
Miller, R.V. and Busch, L.L., **2007**.
- SR 205** Update of Mineral Land Classification: Aggregate Materials in the North San Francisco Bay Production-Consumption Region, **Sonoma, Napa, Marin, and Southwestern Solano Counties**, California.  
Miller, R.V. and Busch, L.L., **2013**.
- SR 206** Update of Mineral Land Classification for Portland Cement Concrete-Grade Aggregate in the San Bernardino Production-Consumption Region, **San Bernardino and Riverside Counties**, California.  
Miller, R.V. and Busch, L.L., **2008**.
- SR 209** Update of Mineral Land Classification for Portland Cement Concrete-Grade Aggregate in the San Gabriel Valley Production-Consumption Region, **Los Angeles County**, California.  
Kohler, S.L., **2010**.

- SR 210** Update of Mineral Land Classification: Aggregate Materials in the Bakersfield Production-Consumption Region, **Kern County**, California. Busch, L.L., **2009**.
- SR 212** Mineral Land Classification of the First Industrial Realty Trust Day Street Site, **Riverside County**, California – for Portland Cement Concrete-Grade Aggregate. Miller, R.V. **2009** (Petition)
- SR 212** **(Revised)** Revised Mineral Land Classification of the First Industrial Realty Trust Day Street Site, **Riverside County**, California – for Portland Cement Concrete-Grade Aggregate. Miller, R.V. **2009** (Petition)
- SR 213** Mineral Land Classification of the White Rock Road Properties, Mangini Property, **Sacramento County**, California – For Construction Aggregate. Clinkenbeard, J.P. **2009**. (Petition)
- SR 214** Mineral Land Classification of the Wilson Ranch – Walltown Quarry Site, **Sacramento County**, California – For Construction Aggregate. Clinkenbeard, J.P. **2010**. (Petition)
- SR 215** Update of Mineral Land Classification: Concrete Aggregate in the **San Luis Obispo-Santa Barbara** Production-Consumption Region, California. Busch, L.L. and Miller, R.V., **2011**.
- SR 218** Mineral Land Classification of the Power House Aggregate Project Site, **Butte County**, California – For Construction Aggregate. Smith, J.D., Clinkenbeard, J.P. **2010**. (Petition)
- SR 223** Mineral Land Classification of the Proposed Riddle Surface Mine Property Site, **Stanislaus County**, California – For Construction Aggregate. Smith, J.D., Clinkenbeard, J.P. **2011**. (Petition)
- SR 231** Update of Mineral Land Classification for Portland Cement Concrete-Grade Aggregate in the Temescal Valley Production Area, **Riverside County**, California. Miller, R.V. and Busch, L.L., **2014**.
- SR 240** Update of Mineral Land Classification: Portland Cement Concrete-Grade Aggregate in the Western **San Diego County** Production-Consumption Region, California. Gius, F.W., Busch, L.L., and Miller, R.V. **2017**.
- SR 245** Mineral Land Classification: Concrete Aggregate in the **Greater Sacramento Area** Production-Consumption Region. O’Neal, M.D., Gius, F.W., **2018**.

**INDEX TO SMARA SPECIAL REPORTS SHOWING COUNTY/AREA**

SR 132	<b>Yuba City-Marysville (1988)</b>
SR 139	<b>Greater Los Angeles Area (1979)</b>
SR 143 (Part I)	<b>Greater Los Angeles Area (1979)</b>
SR 143 (Part II)	<b>San Fernando Valley (1979)</b>
SR 143 (Part III)	<b>Orange County-Temescal Valley (1981)</b>
SR 143 (Part IV)	<b>San Gabriel Valley (1982)</b>
SR 143 (Part V)	<b>Saugus-Newhall and Palmdale (1984)</b>
SR 143 (Part VI)	<b>Claremont-Upland (1984)</b>
SR 143 (Part VII)	<b>San Bernardino (1984)</b>
SR 145 (Part I)	<b>Ventura County: Introduction (1981)</b>
SR 145 (Part II)	<b>Simi (1981)</b>
SR 145 (Part III)	<b>Western Ventura County (1981)</b>
SR 146 (Part I)	<b>San Francisco-Monterey Bay Area (1986)</b>
SR 146 (Part II)	<b>South San Francisco Bay (1987)</b>
SR 146 (Part III)	<b>North San Francisco Bay (1987)</b>
SR 146 (Part IV)	<b>Monterey Bay (1987)</b>
SR 147	<b>Bakersfield (1988)</b>
SR 153	<b>Western San Diego County (1982)</b>
SR 156	<b>Sacramento-Fairfield (1988)</b>
SR 158	<b>Fresno (1988)</b>
SR 159	<b>Palm Springs (1988)</b>
SR 160	<b>Stockton-Lodi (1988)</b>
SR 162	<b>San Luis Obispo-Santa Barbara (1989)</b>



SR 164	<b>Nevada County (1990)</b>
SR 165	<b>Temescal Valley Area Riverside County (1991)</b>
SR 166	<b>Mono and Inyo Counties (1993)</b>
SR 167	<b>Inyo County (1993)</b>
SR 168	<b>San Bernardino County (1993)</b>
SR 169	<b>Calaveras County (1993)</b>
SR 173	<b>Stanislaus County (1993)</b>
SR 175	<b>Sonoma County (2005)</b>
SR 177	<b>Lassen County (2001)</b>
SR 180	<b>Monterey County (2003)</b>
SR 191	<b>San Diego County (2006)</b>
SR 198	<b>Riverside County (2007)</b>
SR 199	<b>San Joaquin and Stanislaus Counties (2012)</b>
SR 200	<b>Riverside County (2007)</b>
SR 202	<b>Los Angeles and San Bernardino Counties (2007)</b>
SR 205	<b>Sonoma, Napa, Marin, and Southwestern Solano Counties (2013)</b>
SR 206	<b>San Bernardino and Riverside Counties (2008)</b>
SR 209	<b>Los Angeles County (2010)</b>
SR 210	<b>Kern County (2009)</b>
SR 212	<b>Riverside County (2009)</b>
SR 213	<b>Sacramento County (2009)</b>
SR 214	<b>Sacramento County (2010)</b>
SR 215	<b>San Luis Obispo-Santa Barbara Counties (2011)</b>
SR 218	<b>Butte County (2010)</b>
SR 223	<b>Stanislaus County (2011)</b>

- SR 231                      **Riverside County (2014)**
- SR 240                      **San Diego County (2017)**
- SR 245                      **Greater Sacramento Area (2018)**

**INDEX TO SMARA OPEN-FILE REPORTS DEALING WITH MINERAL RESOURCES**

- OFR 77-16** Mineral Land Classification Study of The Stanislaus River Area **San Joaquin and Stanislaus Counties**, California.  
Rapp, J., Loyd, R.C. and Silva, M.A., **1977**.
- OFR 80-18** Mineral Land Classification of **Pfizer, Inc.** Limestone Deposits in Lucerne Valley Area, **San Bernardino County**, California.  
Miller, R.V., and Morton, P.K., **1980**. (Petition)
- OFR 81-14** Mineral Land Classification of **Granite Rock Company** Limestone Deposits in **Pico Blanco Area, Monterey County**, California. (Petition)  
Stinson, M.C., **1982**.
- OFR 81-16** Mineral Land Classification of **Pacific Clay Products, Inc.**, Clay Deposits in the Alberhill Area, **Riverside County**, California. (Petition)  
CDMG Staff, **1982**.
- OFR 82-06** Mineral Land Classification of the **Riverside Cement Company Platz Property Clay** Deposit in Trabuco Canyon, **Orange County**, California. (Petition)  
Greenwood, R.B., **1982**.
- OFR 82-07** Mineral Land Classification of the **Pacific Clay Products, Inc., Thomas Clay Deposit**, Corona, **Riverside County**, California. (Petition)  
Joseph, S.E., **1982**.
- OFR 83-01** Mineral Land Classification of the **Ordway Skunk Gulch Carbonate Deposit, Calaveras County**, California. (Petition)  
Loyd, R.C., **1982**.
- OFR 83-02** Mineral Land Classification of the **Placer Services Corporation**, Placer Gold Deposit on **San Juan Ridge, Nevada County**, California. (Petition)  
Loyd, R.C., **1983**.
- OFR 83-28** Mineral Land Classification of the **Joe Chevreux Company** Property for Portland-Cement-Concrete-Grade Aggregate, **Nevada and Placer Counties**, California. (Petition)  
Dupras, D.L., **1983**.
- OFR 83-29** Mineral Land Classification of the **Placerville 15' Quadrangle, El Dorado and Amador Counties**, California.  
Loyd, R.C., Anderson, T.P., and Bushnell, M.M., **1983**.
- OFR 83-35** Mineral Land Classification of the **Georgetown 15' Quadrangle, El Dorado and Placer Counties**, California.  
Kohler, S.L., **1983**.

- OFR 83-36** Mineral Land Classification of the **Sutter Creek 15 Minute Quadrangle, Amador and Calaveras Counties**, California.  
Loyd, R.C., **1983**.
- OFR 83-37** Mineral Land Classification of the **Auburn 15' Quadrangle, El Dorado and Placer Counties**, California.  
Kohler, S.L., **1984**.
- OFR 84-02** Mineral Land Classification of the **Mescal Range 15 Minute Quadrangle, San Bernardino County**, California.  
Joseph, S.E., **1984**.
- OFR 84-03** Mineral Land Classification of the **Kelso 15-Minute Quadrangle, San Bernardino County**, California.  
Greenwood, R.B., **1984**.
- OFR 84-21** Mineral Land Classification of **Pleuss-Stauffer, Inc.** Limestone Deposit, Lucerne Valley, **San Bernardino County**, California. (Petition)  
Joseph, S.E., **1984**.
- OFR 84-30** Mineral Land Classification of the **Lanfair Valley, Homer Mountain, and Davis Dam 15 Minute Quadrangles, San Bernardino County**, California.  
Kohler, S.L., **1984**.
- OFR 84-50** Mineral Land Classification of the **Folsom 15-Minute Quadrangle, Sacramento, El Dorado, Placer, and Amador Counties**, California.  
Loyd, R.C., **1984**.
- OFR 84-51** Mineral Land Classification of the **Halloran Springs 15 Minute Quadrangle, San Bernardino County**, California.  
Greenwood, R.B., **1984**.
- OFR 85-07** Mineral Land Classification of the **Ivanpah, Crescent Peak, and Searchlight 15-Minute Quadrangles, San Bernardino County**, California.  
Joseph, S.E., **1985**.
- OFR 85-08** Mineral Land Classification of the **Mid Hills 15-Minute Quadrangle, San Bernardino County**, California.  
Greenwood, R.B., **1985**.
- OFR 85-13** Mineral Land Classification of **Pleuss-Stauffer, Incorporated - White Knob Limestone Deposit**, Lucerne Valley, **San Bernardino County**, California. (Petition)  
Joseph, S.E., **1985**.

- OFR 85-15** Mineral Land Classification of the Northern Part of the **Kingman 1°x2° Quadrangle, San Bernardino County**, California. Bezore, S.P., and Joseph, S.E., **1987**.
- OFR 85-17** Mineral Land Classification of the **United States Tile Company - Dominguez Clay/Shale Deposit**, Corona, **Riverside County**, California. (Petition) Joseph, S.E., **1985**.
- OFR 85-18** Mineral Land Classification of the Northeast Quarter of the **Needles 1-Degree by 2-Degree Sheet, San Bernardino County**, California. Kohler, S.L., Loyd, R.C., and Burnett, J.L., **1985**.
- OFR 85-22** Mineral Land Classification of the **W.L. Harvey Clay/Shale Deposit, Placer County**, California. (Petition) Taylor, G.C., **1985**.
- OFR 86-10** Mineral Land Classification of the **Ash Meadows, Big Dune, Eagle Mountain, Funeral Peak, Ryan, Pahrump, and Stewart Valley 15-Minute and High Peak 7.5-Minute Quadrangle, Inyo County**, California. Taylor, G.C., **1986**. (Reprinted as SR 167)
- OFR 86-12** Mineral Land Classification of the Southern Half of the **Bald Mountain/Browns Flat Gold Mining District**, Sonora, **Tuolumne County**, California. (Petition) Loyd, R.C., **1986**.
- OFR 86-13** Mineral Land Classification of the **Matich Corporation Declezville Quarry**, Fontana, **San Bernardino County**, California. (Petition) Joseph, S.E., **1986**.
- OFR 86-19** Mineral Land Classification of a portion of the **Sisquoc River, Santa Barbara County**, California - for Portland-Cement Concrete-Grade Aggregate. (Petition) Cole, J.W., and Jensen L.S., **1986**.
- OFR 87-02** Mineral Land Classification of the **Camino and Mokelumne Hill 15-Minute Quadrangles, El Dorado, Amador, and Calaveras Counties**, California. Loyd, R.C., and Kohler, S.L., **1987**.
- OFR 88-02** Mineral Land Classification of the **Eureka-Saline Valley Area Inyo and Mono Counties**, California. Taylor, G.C., and Joseph, S.E., **1988**. (Reprinted as SR 166)
- OFR 88-03** Mineral Land Classification of the **Kerens, Flynn, and Colton Well 15-Minute Quadrangles, San Bernardino County**, California. Loyd, R.C., **1988**.

- OFR 88-16** Mineral Land Classification of the **Sycamore Ridge Property, San Marcos Quadrangle, San Diego County**, California - for Portland Cement Concrete Grade Aggregate. (Petition)  
Clinkenbeard, J.P., **1988**.
- OFR 88-18** Mineral Land Classification of the **Pearce Quarry Site, Hollister Quadrangle, San Benito County**, California - for Aggregate Materials. (Petition)  
Clinkenbeard, J.P., **1988**.
- OFR 88-19** Mineral Land Classification of the **San Bruno Canyon Greenstone Deposits, Morgan Hill Quadrangle, Santa Clara County**, California - for Aggregate Materials. (Petition)  
Jensen, L.S., **1988**.
- OFR 88-20** Mineral Land Classification of the **Whipple and Riverside Mountains Study Area, San Bernardino and Riverside Counties**, California.  
Kohler, S.L., and Bezore, S.P., **1988**.
- OFR 88-23** Mineral Land Classification of the **Fish Canyon Quarry, Azusa Quadrangle, Los Angeles County**, California for Portland Cement Concrete Aggregate and for Base Aggregate. (Petition)  
Miller, R.V., **1988**.
- OFR 89-01** Mineral Land Classification of the **San Andreas 15' Quadrangle Calaveras County**, California. (Reprinted as SR 169)  
Taylor, G.C., Greenwood, R.B., and Joseph, S.E., **1989**.
- OFR 89-12** Mineral Land Classification of the **Smart Ranch Limestone Property, Big Bear City and Rattlesnake Canyon Quadrangles, San Bernardino County**, California for High-Grade and Cement-Grade Limestone. (Petition)  
Miller, R.V., **1989**.
- OFR 89-15** Mineral Land Classification of the **Pankey Ranch Site, Bonsall Quadrangle, San Diego County**, California - for Aggregate Materials. (Petition)  
Clinkenbeard, J.P., **1989**.
- OFR 90-01** Mineral Land Classification of the **Western World Mining Company Copper-Zinc Deposit** near Smartville, **Yuba County**, California. (Petition)  
Taylor, G.C., **1990**.
- OFR 90-02** Mineral Land Classification of the **Calmat Land Co. Baxter Iron/Carbonate Rock Deposit, San Bernardino County**, California. (Petition)  
Anderson, T.P., **1990**.
- OFR 90-16** Mineral Land Classification of the **Hannah Ranch Site, Tulare County**, California, for Portland Cement Concrete Aggregate. (Petition)  
Pridmore, C.L., **1990**.

- OFR 91-03** Mineral Land Classification of the **South Tracy Site, San Joaquin County, California**, for Portland Cement Concrete Aggregate. (Petition)  
Boylan, R. and Loyd, R.C., **1991**.
- OFR 91-04** Mineral Land Classification of the **Jamestown Mine Property, Tuolumne County, California**, for Lode Gold Resources. (Petition)  
Loyd, R.C., and Boylan, R., **1991**.
- OFR 91-06** Mineral Land Classification of the **Wilson Creek Property, Aguanga, Cahuilla Mtn., Sage, and Vail Lake Quadrangles, Riverside County, California** for Asphaltic or Portland Cement Concrete-Grade Aggregate. (Petition)  
Miller, R.V., **1991**.
- OFR 92-02** Mineral Land Classification of the **Winchester Aggregate Site, Romoland and Winchester Quadrangles, Riverside County, California** for Asphaltic-Concrete-Grade Aggregate and Base-Grade Aggregate. (Petition)  
Strand R.G., **1992**.
- OFR 92-06** Mineral Land Classification of Concrete Aggregate Resources in the **Barstow-Victorville Area, California**.  
Miller, R.V., **1993**.
- OFR 92-09** Mineral Land Classification of the **Boulder Creek Aggregate Site, Fillmore Quadrangle, Ventura County, California** for Portland Cement Concrete, Asphaltic Concrete Aggregate, and Base Aggregate. (Petition)  
Strand, R.G., **1992**.
- OFR 93-05** Mineral Land Classification of the **Ortega Rock Quarry Property Canada Gobernadora 7.5-Minute Quadrangle Orange County, California** for Asphaltic-Concrete-Grade Aggregate and Construction Aggregate. (Petition)  
Shumway, D.O., **1993**.
- OFR 93-10** Update of Mineral Land Classification of Portland Cement Concrete Aggregate in Ventura, Los Angeles, and Orange Counties, California, Part I - **Ventura County**.  
Miller, R.V., **1993**.
- OFR 93-11** Mineral Land Classification of the **Rough and Ready Creek Site, Standard 7.5-Minute Quadrangle Tuolumne County, California**, for Carbonate Rock (Limestone and Dolomite).  
Silva, M.A., **1993**.
- OFR 94-01** Mineral Land Classification of the **Green Rock Quarries Oroville Plant No. 1 Property Oroville Quadrangle Butte County, California** for Railroad Ballast. (Petition)  
Stinson, M.C., **1994**.

- OFR 94-04** Mineral Land Classification of a Part of Southwestern **San Bernardino County**: the **Barstow-Victorville Area**, California.  
Bezore, S.P., and Shumway, D.O., **1994**.
- OFR 94-06** Mineral Land Classification of a Part of Southwestern **San Bernardino County**:  
The **Big Bear Lake-Lucerne Valley Area**, California.  
Taylor, G.C., **1994**.
- OFR 94-07** Mineral Land Classification of a Part of **Southwestern San Bernardino County**,  
California: A Part of the **Eastern San Gabriel Mountains and the Western  
San Bernardino Mountains**.  
Shumway, D.O., and Hill, R.L., **1995**.
- OFR 94-08** Mineral Land Classification of a Part of Southwestern **San Bernardino County**: the  
**San Bernardino Valley Area**, California.  
Shumway, D.O., and Silva, M.A., **1995**.
- OFR 94-11** Mineral Land Classification of the **Eastern Half of Riverside County**, California.  
Kohler-Antablin, S., **1994**.
- OFR 94-12** Mineral Land Classification of the **Triangle Properties Hofman Ranch Site,  
Browns Valley 7.5 Minute Quadrangle, Yuba County**, California, for Portland  
Cement Concrete-Grade Aggregate. (Petition)  
Higgins, C.T., and Dupras, D.L., **1994**.
- OFR 94-14** Update of Mineral Land Classification of Portland Cement Concrete Aggregate in  
**Ventura, Los Angeles, and Orange Counties**, California, Part II - **Los  
Angeles County**.  
Miller, R.V., **1994**.
- OFR 94-15** Update of Mineral Land Classification of Portland Cement Concrete Aggregate in  
**Ventura, Los Angeles, and Orange Counties**, California, Part III -  
**Orange County**.  
Miller, R.V., **1995**.
- OFR 95-10** Mineral Land Classification of **Placer County**, California  
Loyd, R.C., **1995**.
- OFR 96-03** Update of Mineral Land Classification: Aggregate Materials in the South  
**San Francisco Bay** Production-Consumption Region.  
Kohler-Antablin, S., **1996**.
- OFR 96-04** Update of Mineral Land Classification: Aggregate Materials in the Western  
**San Diego County** Production-Consumption Region.  
Miller, R.V., **1996**.



- OFR 97-01** Mineral Land Classification of Concrete Aggregate Resources in the **Tulare County** Production-Consumption Region, California. Taylor, G.C., **1997**.
- OFR 97-02** Mineral Land Classification of Concrete-Grade Aggregate Resources in **Glenn County**, California. Shumway, D.O., **1997**.
- OFR 97-03** Mineral Land Classification of Alluvial Sand and Gravel, Crushed Stone, Volcanic Cinders, Limestone, and Diatomite within **Shasta County**, California. Dupras, D.L., **1997**.
- OFR 97-09** Mineral Land Classification of a Portion of **Tuolumne County**, California, for Precious Metals, Carbonate Rock, and Concrete-Grade Aggregate. Higgins, C.T., **1997**.
- OFR 97-16** Mineral Land Classification of a Part of Southwestern **San Bernardino County**: the **Barstow-Newberry Springs Area**, California. Bezore, S.P., and others, **1997**.
- OFR 99-01** Update of Mineral Land Classification: Aggregate Materials in the **Monterey Bay** Production-Consumption Region, California. Kohler-Antablin, S., **2000**.
- OFR 99-02** Update of Mineral Land Classification: Aggregate Materials in the **Fresno** Production-Consumption Region, California. Youngs, L.G. and Miller, R.V., **1999**.
- OFR 99-08** Mineral Land Classification of **Merced County**, California. Clinkenbeard, J.P., **1999**.
- OFR 99-09** Mineral Land Classification: Portland Cement Concrete-Grade Aggregate and Kaolin Clay Resources in **Sacramento County**, California. Dupras, D.L., **1999**.
- OFR 99-15** Mineral Land Classification of **Southeastern Kern County**, California. Koehler, B.M., **1999**.
- OFR 2000-03** Mineral Land Classification of **El Dorado County**, California. Busch, L.L., **2001**.
- OFR 2000-04** Mineral Land Classification of the KRC Holdings, Inc. M&T Chico Ranch Site, **Butte County**, California, for Construction Aggregate Resources. Clinkenbeard, J.P., **2000**.
- OFR 2000-18** Mineral Land Classification of Concrete-Grade Aggregate Resources in **Tehama County**, California. Foster, B.D., **2001**.

**INDEX TO SMARA OPEN-FILE AND SPECIAL REPORTS BY COUNTY**

ALAMEDA:	OFR 96-03, SR 146-Part I, SR 146-Part II
AMADOR:	OFR 83-29, OFR 83-36, OFR 84-50, OFR 87-02
BUTTE:	OFR 94-01, OFR 2000-04, SR 218
CALAVERAS:	OFR 83-01, OFR 83-36, OFR 87-02, OFR 89-01, SR 169
CONTRA COSTA:	OFR 96-03, SR 146-Part I, SR 146-Part II
EL DORADO:	OFR 83-29, OFR 83-35, OFR 83-37, OFR 84-50, OFR 87-02, SR 156, OFR 2000-03, SR 245
FRESNO:	OFR 99-02, SR 158
GLENN:	OFR 97-02
INYO:	OFR 86-10, OFR 88-02, SR 166, SR 167
KERN:	OFR 99-15, SR 147, SR 210
LASSEN:	SR 177
LOS ANGELES:	OFR 88-23, OFR 94-14, OFR 94-15, SR 139, SR 143-Part I, SR 143-Part II, SR 143-Part III, SR 143-Part IV, SR 143-Part V, SR 143-Part VI, SR 202, SR 209
MADERA:	OFR 99-02, SR 158
MARIN:	SR 146-Part I, SR 146-Part III, SR 205
MERCED:	OFR 99-08
MONO:	OFR 88-02, SR 166
MONTEREY:	OFR 81-14, OFR 99-01, SR 146-Part I, SR 146-Part IV, SR 180
NAPA:	SR 146-Part I, SR 146-Part III, SR 205
NEVADA:	OFR 83-02, OFR 83-28, SR 132, SR 164, SR 245
ORANGE:	OFR 82-06, OFR 93-05, OFR 94-14, OFR 94-15, SR 139, SR143-Part I, SR143-Part III
PLACER:	OFR 83-28, OFR 83-35, OFR 83-37, OFR 84-50, OFR 85-22, OFR 95-10, SR 156, SR 245

RIVERSIDE:	OFR 81-16, OFR 82-07, OFR 85-17, OFR 88-20, OFR 91-06, OFR 92-02, OFR 94-11, SR 139, SR 143-Part I, SR 143-Part III, SR 143-Part VII, SR 159, SR 165, SR 198, SR 200, SR 206, SR 212, SR 231
SACRAMENTO:	OFR 85-50, OFR 99-09, SR 156, SR 213, SR 214, SR 245
SAN BENITO:	OFR 88-18, OFR 99-01, SR 146-Part I, SR 146-Part IV
SAN BERNARDINO:	OFR 80-18, OFR 84-02, OFR 84-03, OFR 84-21, OFR 84-30, OFR 84-51, OFR 85-07, OFR 85-08, OFR 85-13, OFR 85-15, OFR 85-18, OFR 86-13, OFR 88-03, OFR 88-20, OFR 89-12, OFR 90-02, OFR 92-06, OFR 94-04, OFR 94-06, OFR 94-07, OFR 94-08, OFR 97-16, SR 139, SR 143-Part I, SR 143-Part III, SR 143-Part VI, SR 143-Part VII, SR 168, SR 202, SR 206
SAN DIEGO:	OFR 88-16, OFR 89-15, OFR 96-04, SR 153, SR 191, SR 240
SAN FRANCISCO:	OFR 96-03, SR 146-Part I, SR 146-Part II
SAN JOAQUIN:	OFR 77-16, OFR 91-03, SR 160, SR 199
SAN LUIS OBISPO:	SR 162, SR 215
SAN MATEO:	OFR 96-03, SR 146-Part I, SR 146-Part II
SANTA BARBARA:	OFR 86-19, SR 162, SR 215
SANTA CLARA:	OFR 88-19, OFR 96-03, OFR 99-01, SR 146-Part I, SR 146-Part II, SR 146-Part IV
SANTA CRUZ:	OFR 99-01, SR 146-Part I, SR 146-Part II, SR 146-Part IV
SHASTA:	OFR 97-03
SOLANO:	SR 146-Part I, SR 146-Part III, SR 156, SR 205, SR 245
SONOMA:	SR 146-Part I, SR 146-Part III, SR 175, SR 205
STANISLAUS:	OFR 77-16, SR 160, SR 173, SR 199, SR 223
SUTTER:	SR 132, SR 245
TEHAMA:	OFR 2000-18
TUOLUMNE:	OFR 86-12, OFR 91-04, OFR 93-11, OFR 97-09
TULARE:	OFR 90-16, OFR 97-01

VENTURA: SR 139, SR 145-Part I, SR 145-Part II, SR 145-Part III, OFR 92-09,  
OFR 93-10, OFR 94-14, OFR 94-15

YOLO: SR 156, SR 245

YUBA: OFR 90-01, SR 132, OFR 94-12, SR 245

## INDEX TO COUNTIES WHERE NO SMARA CLASSIFICATION HAS OCCURRED

ALPINE	KINGS	PLUMAS
COLUSA	LAKE	SIERRA
DEL NORTE	MARIPOSA	SISKIYOU
HUMBOLDT	MENDOCINO	TRINITY
IMPERIAL	MODOC	

## RELATED REPORTS

**Map Sheet 52** Aggregate Sustainability in California. Susan L. Kohler, 2002

**Map Sheet 52 (Update 2006)** Aggregate Sustainability in California. Susan L. Kohler, 2006

**Map Sheet 52 (Update 2012)** Aggregate Sustainability in California. Clinkenbeard, J.P, 2012

**Map Sheet 52 (Update 2018)** Aggregate Sustainability in California. John P. Clinkenbeard and Fred W. Gius, 2018