Alan Schwartz

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Sent: Friday, November 23, 2001 12:30 PM

To: Schwartz, Alan; Balzano, Richard A.; 'mbayer@erols.com'; Basl, Roger, Maj, OSD-ATL

Subject: NAICS classification of industries -- for Red-NUF

Not much chance for action before we meet Thursday; but I'd like to implement the substitution of the census standard classification for our intuitive pluckings, as part of the Blue Assets axis. With that more complete roster, then we highlight what we regard as the most critical entries, and probably go to even finer granularity. Thus we can be be reasonably sure of gapless coverage.

I've searched [NAICS census.gov] for good leads. Perhaps we can get some of the folks at Census to help us navigate through these extensive waters, with their data on scope of industry, and perhaps how each plays into overll economy.

What follows is gleaned from: http://www.census.gov/epcd/naics/naicscod.txt

I've trimmed to to 4-digit categories.

Subject: 1997 U.S. NAICS Codes and Titles 4-digit resolution http://www.census.gov/epcd/naics/naicscod.txt

1997 U.S. NAICS Codes and Titles July 1998

reduced to 4-digit codes, with appendix on chemical industry Mostly this is more detailed than we want at first blush.

Could one of you take on trimming the detail where it is obviously superfluous from our perspective? e.g. 111.. crop production, I'd guess

- 11 Agriculture, Forestry, Fishing and Hunting
- ✓ 111 Crop Production
 - 1111 Oilseed and Grain Farming
 - 1112 Vegetable and Melon Farming
 - 1113 Fruit and Tree Nut Farming
 - 1114 Greenhouse, Nursery, and Floriculture Production
 - 1119 Other Crop Farming
 - 112 Animal Production
- √ 1121
 ✓ Cattle Ranching and Farming
 - 1122 Hog and Pig Farming
 - 1123 Poultry and Egg Production
 - 1124 Sheep and Goat Farming
 - 1125 Animal Aquaculture
 - 1129 Other Animal Production

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	113	Forestry and Logging Timber Tract Operations
		Tilliber Tract Operations
	1132	Forest Nurseries and Gathering of Forest Products
	1133	Logging
	114	Fishing, Hunting and Trapping
	1141	Fishing
	1142	Hunting and Trapping
	115	Support Activities for Agriculture and Forestry
	1151	Support Activities for Crop Production
	1152	Support Activities for Animal Production
	1153	Support Activities for Forestry
_		Mining Oil and One Fidenation
	211	Oil and Gas Extraction
	2111	
	212	Mining (except Oil and Gas)
	2121	
	2122 2123	
	2123	Nonmetallic Mineral Mining and Quarrying Support Activities for Mining
	2131	Support Activities for Mining
,	2131	Utilities
	221	
		Electric Power Generation, Transmission and Distribution
		Natural Gas Distribution
	2213	Water, Sewage and Other Systems
	23	Construction
	233	Building, Developing, and General Contracting
	2331	Land Subdivision and Land Development
	2332	Residential Building Construction
	2333	Nonresidential Building Construction
	234	Heavy Construction
	2341	Highway, Street, Bridge, and Tunnel Construction
	2349	Other Heavy Construction
	235	Special Trade Contractors
	2351	Plumbing, Heating, and Air-Conditioning Contractors
	2352	Painting and Wall Covering Contractors
	2353	Electrical Contractors Massarry Dravell Insulation, and Tile Contractors
	2354 2355	Masonry, Drywall, Insulation, and Tile Contractors Carpentry and Floor Contractors
	2356	Roofing, Siding, and Sheet Metal Contractors
	2357	Concrete Contractors
	2358	
	2359	
	31-33	·
	311	
	3111	Food Manufacturing Animal Food Manufacturing
•	3112	y
	3113	· · · · · · · · · · · · · · · · · · ·
	3114	Fruit and Vegetable Preserving and Specialty Food Manufacturing
√	3115	Dairy Product Manufacturing
	3116	Animal Slaughtering and Processing
		Animal Slaughtering and Processing 2
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3117	Seafood Product Preparation and Packaging
3118	Bakeries and Tortilla Manufacturing
3119	Other Food Manufacturing
312	Beverage and Tobacco Product Manufacturing
3121	Beverage Manufacturing —
3122	Tobacco Manufacturing
313	Textile Mills
3131	Fiber, Yarn, and Thread Mills
3132	Fabric Mills
3133	Textile and Fabric Finishing and Fabric Coating Mills
314	Textile Product Mills
3141	Textile Furnishings Mills
3149	Other Textile Product Mills
315	Apparel Manufacturing
3151	Apparel Knitting Mills
3152	Cut and Sew Apparel Manufacturing
3159	Apparel Accessories and Other Apparel Manufacturing
316	Leather and Allied Product Manufacturing
3161	Leather and Hide Tanning and Finishing
3162	Footwear Manufacturing
3169	Other Leather and Allied Product Manufacturing
321	Wood Product Manufacturing
3211	Sawmills and Wood Preservation
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing
3219	Other Wood Product Manufacturing
322	Paper Manufacturing
3221	Pulp, Paper, and Paperboard Mills
3222	Converted Paper Product Manufacturing
323	Printing and Related Support Activities
3231	Printing and Related Support Activities
✓ 324	Petroleum and Coal Products Manufacturing
3241	Petroleum and Coal Products Manufacturing
<i>∨</i> 325	Chemical Manufacturing
3251	Basic Chemical Manufacturing
✓ 3252	Resin, Synthetic Rubber, and Artificial and Synthetic Fibers and Filaments Manufacturing
3253	Pesticide, Fertilizer, and Other Agricultural Chemical Manufacturing
√√3254	Pharmaceutical and Medicine Manufacturing
3255	Paint, Coating, and Adhesive Manufacturing
3256	Soap, Cleaning Compound, and Toilet Preparation Manufacturing
, 3259	Other Chemical Product and Preparation Manufacturing
326	Plastics and Rubber Products Manufacturing
3261	Plastics Product Manufacturing
3262	Rubber Product Manufacturing
327	Nonmetallic Mineral Product Manufacturing
3271	Clay Product and Refractory Manufacturing
3272	Glass and Glass Product Manufacturing
3273	Cement and Concrete Product Manufacturing
3274	Lime and Gypsum Product Manufacturing
3279	Other Nonmetallic Mineral Product Manufacturing
331	
3311	Primary Metal Manufacturing Iron and Steel Mills and Ferroalloy Manufacturing April 1
3311	Horraria oteoriamis and remaining remaining remaining

•	3312	Steel Product Manufacturing from Purchased Steel
	3313	Alumina and Aluminum Production and Processing
	3314	Nonferrous Metal (except Aluminum) Production and Processing
	3315	Foundries
7	332	Fabricated Metal Product Manufacturing
′	3321	Forging and Stamping
	3322	Cutlery and Handtool Manufacturing
	3323	Architectural and Structural Metals Manufacturing
	3324	Boiler, Tank, and Shipping Container Manufacturing
	3325	Hardware Manufacturing
	3326	Spring and Wire Product Manufacturing
	3327	Machine Shops; Turned Product; and Screw, Nut, and Bolt Manufacturing
	3328	Coating, Engraving, Heat Treating, and Allied Activities
	3329	Other Fabricated Metal Product Manufacturing
17	333 ⁄3331	Machinery Manufacturing Agriculture, Construction, and Mining Machinery Manufacturing
	3332	Industrial Machinery Manufacturing
í	3333	Commercial and Service Industry Machinery Manufacturing
	3334	Ventilation, Heating, Air-Conditioning, and Commercial Refrigeration Equipment
		facturing
/	3335	Metalworking Machinery Manufacturing
	3336	Engine, Turbine, and Power Transmission Equipment Manufacturing
,	3339	Other General Purpose Machinery Manufacturing
L	334	Computer and Electronic Product Manufacturing
	3341	Computer and Peripheral Equipment Manufacturing
	3342	Communications Equipment Manufacturing
	3343	Audio and Video Equipment Manufacturing
	3344	Semiconductor and Other Electronic Component Manufacturing
	3345	Navigational, Measuring, Electromedical, and Control Instruments Manufacturing
•	3346	Manufacturing and Reproducing Magnetic and Optical Media
	335	Electrical Equipment, Appliance, and Component Manufacturing
	3351	Electric Lighting Equipment Manufacturing Household Appliance Manufacturing (f f f f f f f f f
0	3352 3353	Household Appliance Manufacturing Electrical Equipment Manufacturing
	_ 3359	Other Electrical Equipment and Component Manufacturing
٠	336	Transportation Equipment Manufacturing
	3361	Motor Vehicle Manufacturing
	3362	Motor Vehicle Body and Trailer Manufacturing
•	3363	Motor Vehicle Parts Manufacturing
0	3364	Aerospace Product and Parts Manufacturing
	3365	Railroad Rolling Stock Manufacturing
8	3366	Ship and Boat Building
	3369	Other Transportation Equipment Manufacturing
	337	Furniture and Related Product Manufacturing
	3371	Household and Institutional Furniture and Kitchen Cabinet Manufacturing
	3372	Office Furniture (including Fixtures) Manufacturing
	3379	Other Furniture Related Product Manufacturing
	339	Miscellaneous Manufacturing Medical Equipment and Supplies Manufacturing
	3391	Other Miscellaneous Manufacturing
	3399	Wholesale Trade grand vent ; wo obvious the part
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- 421 Wholesale Trade, Durable Goods
 4211 Motor Vehicle and Motor Vehicle Parts and Supplies Wholesalers
- 4212 Furniture and Home Furnishing Wholesalers
- 4213 Lumber and Other Construction Materials Wholesalers
- 4214 Professional and Commercial Equipment and Supplies Wholesalers
- 4215 Metal and Mineral (except Petroleum) Wholesalers
- 4216 Electrical Goods Wholesalers
- 4217 Hardware, and Plumbing and Heating Equipment and Supplies Wholesalers
- 4218 Machinery, Equipment, and Supplies Wholesalers
- 4219 Miscellaneous Durable Goods Wholesalers
- 422 Wholesale Trade, Nondurable Goods
- 4221 Paper and Paper Product Wholesalers
- 4222 Drugs and Druggists' Sundries Wholesalers
- 4223 Apparel, Piece Goods, and Notions Wholesalers
- 4224 Grocery and Related Product Wholesalers
- 4225 Farm Product Raw Material Wholesalers
- 4226 Chemical and Allied Products Wholesalers
- 4227 Petroleum and Petroleum Products Wholesalers
- 4228 Beer, Wine, and Distilled Alcoholic Beverage Wholesalers
- 4229 Miscellaneous Nondurable Goods Wholesalers
- 44-45 Retail Trade
- 441 Motor Vehicle and Parts Dealers
- 4411 Automobile Dealers
- 4412 Other Motor Vehicle Dealers
- 4413 Automotive Parts, Accessories, and Tire Stores
- 442 Furniture and Home Furnishings Stores
- 4421 Furniture Stores
- 4422 Home Furnishings Stores
- 443 Electronics and Appliance Stores
- 4431 Electronics and Appliance Stores
- 444 Building Material and Garden Equipment and Supplies Dealers
- 4441 Building Material and Supplies Dealers
- 4442 Lawn and Garden Equipment and Supplies Stores
- 445 Food and Beverage Stores
 - 4451 Grocery Stores
 - 4452 Specialty Food Stores
 - 4453 Beer, Wine, and Liquor Stores
 - 446 Health and Personal Care Stores
 - 4461 Health and Personal Care Stores
 - 447 Gasoline Stations
 - 4471 Gasoline Stations
 - 448 Clothing and Clothing Accessories Stores
 - 4481 Clothing Stores
 - 4482 Shoe Stores
 - 4483 Jewelry, Luggage, and Leather Goods Stores
 - 451 Sporting Goods, Hobby, Book, and Music Stores
 - 4511 Sporting Goods, Hobby, and Musical Instrument Stores
 - 4512 Book, Periodical, and Music Stores
 - 452 General Merchandise Stores
 - 4521 Department Stores
 - 4529 Other General Merchandise Stores

453 4531 4532 4533	Miscellaneous Store Retailers Florists Office Supplies, Stationery, and Gift Stores Used Merchandise Stores
4539	Other Miscellaneous Store Retailers
454	Nonstore Retailers
4541	Electronic Shopping and Mail-Order Houses
4542	• • •
4543	Direct Selling Establishments
48-49	Transportation and Warehousing
√ 481	Air Transportation
4811	Scheduled Air Transportation
4812	Nonscheduled Air Transportation
√ 482	Rail Transportation
4821	Rail Transportation
√483	Water Transportation
4831	Deep Sea, Coastal, and Great Lakes Water Transportation
4832	Inland Water Transportation
√484	Truck Transportation
4841	General Freight Trucking
4842	Specialized Freight Trucking
√ 485	Transit and Ground Passenger Transportation
4851	Urban Transit Systems
4852	Interurban and Rural Bus Transportation
4853	Taxi and Limousine Service
4854	School and Employee Bus Transportation
4855	Charter Bus Industry
<i>4</i> 859	Other Transit and Ground Passenger Transportation
√ 486	Pipeline Transportation
4861	Pipeline Transportation of Crude Oil
4862	·
4869	Other Pipeline Transportation
487	Scenic and Sightseeing Transportation
4871	Scenic and Sightseeing Transportation, Land
4872	Scenic and Sightseeing Transportation, Water
4879	Scenic and Sightseeing Transportation, Other
488	Support Activities for Transportation
4881	Support Activities for Air Transportation
4882	Support Activities for Rail Transportation
4883	Support Activities for Water Transportation
4884	Support Activities for Road Transportation
4885	Freight Transportation Arrangement
4889	Other Support Activities for Transportation
V 491	Postal Service
4911	Postal Service
492	Couriers and Messengers
4921	Couriers
4922	Local Messengers and Local Delivery
493	Warehousing and Storage
4931	Warehousing and Storage
51	Information

	511	Publishing Industries
	5111	Newspaper, Periodical, Book, and Database Publishers
	5112	Software Publishers
	512	Motion Picture and Sound Recording Industries
	5121	Motion Picture and Video Industries
	5122	Software Publishers Motion Picture and Sound Recording Industries Motion Picture and Video Industries Sound Recording Industries Broadcasting and Telecommunications
-	513	Broadcasting and Telecommunications
	5131	Radio and Television Broadcasting
	5132	Cable Networks and Drogram Distribution
	5133	Telecommunications
	514	Telecommunications Information Services and Data Processing Services Information Services Data Processing Services Finance and Insurance
	5141	Information Services
	5142	Data Processing Services
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	521	Monetary Authorities - Central Bank Monetary Authorities - Central Bank Credit Intermediation and Related Activities Depository Credit Intermediation Nondepository Credit Intermediation Activities Related to Credit Intermediation Securities Commodity Contracts and Other Financial Investments and Related Activities
	5211	Monetary Authorities - Central Bank
	522	Credit Intermediation and Related Activities
	5221	Depository Credit Intermediation
	5222	Nondepository Credit Intermediation
	5223	Activities Related to Credit Intermediation
	523	Securities, Commodity Contracts, and Other Financial Investments and Related Activities
	5231	Securities and Commodity Contracts Intermediation and Brokerage
	5232	Securities and Commodity Exchanges
	5239	Other Financial Investment Activities
	524	Insurance Carriers and Related Activities
	5241	Insurance Carriers
	5242	Agencies, Brokerages, and Other Insurance Related Activities
	525	Funds, Trusts, and Other Financial Vehicles
	5251	Insurance and Employee Benefit Funds
	5259	Other Investment Pools and Funds
	53	Real Estate and Rental and Leasing
	531	Real Estate
	5311	Lessors of Real Estate
	5312	Offices of Real Estate Agents and Brokers
	5313	Activities Related to Real Estate
	532	Rental and Leasing Services
	5321	Automotive Equipment Rental and Leasing
	5322	Consumer Goods Rental
	5323	General Rental Centers
	5324	Commercial and Industrial Machinery and Equipment Rental and Leasing
	533	Lessors of Nonfinancial Intangible Assets (except Copyrighted Works)
	5331	Lessors of Nonfinancial Intangible Assets (except Copyrighted Works)
	54	Professional, Scientific, and Technical Services
	541	Professional, Scientific, and Technical Services
	5411	Legal Services
	5412	Accounting, Tax Preparation, Bookkeeping, and Payroll Services
	5413	Architectural, Engineering, and Related Services
	5414	Specialized Design Services
/	5415	Computer Systems Design and Related Services
	5416	Management, Scientific, and Technical Consulting Services
	5417	Scientific Research and Development Services
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	5418	Advertising and Related Services
	5419	Other Professional, Scientific, and Technical Services
	55	Management of Companies and Enterprises
	551	Management of Companies and Enterprises
	5511	Management of Companies and Enterprises
	56	Administrative and Support and Waste Management and Remediation Services
	561	Administrative and Support Services
	5611	Office Administrative Services
	5612	Facilities Support Services
	5613	Employment Services
	5614	Business Support Services
	5615	Travel Arrangement and Reservation Services
	5616	Investigation and Security Services
	5617	Services to Buildings and Dwellings
	5619	Other Support Services
v	562	Waste Management and Remediation Services
-	5621	Waste Collection
	5622	Waste Treatment and Disposal
	5629	Remediation and Other Waste Management Services
/	61	Educational Services
	611	Educational Services
	6111	Elementary and Secondary Schools
	6112	Junior Colleges
	6113	and the contract of the contra
	6114	▼ · · · · · · · · · · · · · · · · · · ·
	6115	
	6116	
	6117	Educational Support Services
/	62	Health Care and Social Assistance
	621	Ambulatory Health Care Services
	6211	Offices of Physicians
	6212	Offices of Dentists
	6213	Offices of Other Health Practitioners
	6214	
	6215	·
	6216	
	6219	
/	622	Hospitals
	6221	General Medical and Surgical Hospitals
	6222	· · · · · · · · · · · · · · · · · · ·
	6223	Specialty (except Psychiatric and Substance Abuse) Hospitals
	623	Nursing and Residential Care Facilities
	6231	Nursing Care Facilities
	6232	
	6233	
	6239	Other Residential Care Facilities
	624	Social Assistance
	6241	Individual and Family Services
	6242	· · · · · · · · · · · · · · · · · · ·
	6243	
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Arts, Entertainment, and Recreation 71 Performing Arts, Spectator Sports, and Related Industries 711 7111 Performing Arts Companies 7112 **Spectator Sports** 7113 Promoters of Performing Arts, Sports, and Similar Events Agents and Managers for Artists, Athletes, Entertainers, and Other Public Figures 7114 Independent Artists, Writers, and Performers 7115 712 Museums, Historical Sites, and Similar Institutions Museums, Historical Sites, and Similar Institutions 7121 713 Amusement, Gambling, and Recreation Industries 7131 **Amusement Parks and Arcades** 7132 Gambling Industries Other Amusement and Recreation Industries 7139 72 Accommodation and Food Services 721 Accommodation 7211 **Traveler Accommodation** RV (Recreational Vehicle) Parks and Recreational Camps 7212 Rooming and Boarding Houses 7213 Food Services and Drinking Places 722 7221 **Full-Service Restaurants** 7222 **Limited-Service Eating Places** 7223 **Special Food Services** 7224 Drinking Places (Alcoholic Beverages) Other Services (except Public Administration) 81 Repair and Maintenance 811 8111 Automotive Repair and Maintenance ✓ 8112 Electronic and Precision Equipment Repair and Maintenance ✓ 8113 Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance Personal and Household Goods Repair and Maintenance 8114 Personal and Laundry Services 812 8121 Personal Care Services 8122 **Death Care Services Drycleaning and Laundry Services** 8123 8129 Other Personal Services 813 Religious, Grantmaking, Civic, Professional, and Similar Organizations Religious Organizations 8131 8132 Grantmaking and Giving Services Social Advocacy Organizations 8133 8134 Civic and Social Organizations 8139 Business, Professional, Labor, Political, and Similar Organizations 814 Private Households Private Households 8141 92 **Public Administration** Executive, Legislative, and Other General Government Support 921 Executive, Legislative, and Other General Government Support 9211 Justice, Public Order, and Safety Activities **y** 922 Justice, Public Order, and Safety Activities 9221 923 Administration of Human Resource Programs Administration of Human Resource Programs 9231

Administration of Environmental Quality Programs

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9241	Administration of Environmental Quality Programs
925	Administration of Housing Programs, Urban Planning, and Community Development
9251	Administration of Housing Programs, Urban Planning, and Community Development
926	Administration of Economic Programs
9261	Administration of Economic Programs
927	Space Research and Technology
9271	Space Research and Technology
, 928	National Security and International Affairs
9281	National Security and International Affairs

	325 C	hemical Manufacturing
		Rosis Chemical Manufacturing
*	32511	Petrochemical Manufacturing — (Li kyhlisks
	32512	Industrial Gas Manufacturing
••	32513	Synthetic Dye and Pigment Manufacturing
	325131	Inorganic Dye and Pigment Manufacturing
	325132	Synthetic Organic Dye and Pigment Manufacturing
	32518	Other Basic Inorganic Chemical Manufacturing
	325181	Alkalies and Chlorine Manufacturing
	325182	Carbon Black Manufacturing
	325188	All Other Basic Inorganic Chemical Manufacturing
	32519	Other Basic Organic Chemical Manufacturing
	325191	Gum and Wood Chemical Manufacturing
	325192	Cyclic Crude and Intermediate Manufacturing
	325193	Ethyl Alcohol Manufacturing
	325199	All Other Basic Organic Chemical Manufacturing
	3252	Resin, Synthetic Rubber, and Artificial and Synthetic Fibers and Filaments Manufacturing
	32521	Resin and Synthetic Rubber Manufacturing
	325211	Plastics Material and Resin Manufacturing
	325212	Synthetic Rubber Manufacturing
	32522	Artificial and Synthetic Fibers and Filaments Manufacturing
	325221	Cellulosic Organic Fiber Manufacturing
	325222	Noncellulosic Organic Fiber Manufacturing
	3253	Pesticide, Fertilizer, and Other Agricultural Chemical Manufacturing
	32531	Fertilizer Manufacturing Nitrogenous Fertilizer Manufacturing Phosphatic Fertilizer Manufacturing Fertilizer (Mixing Only) Manufacturing Pesticide and Other Agricultural Chemical Manufacturing Pharmaceutical and Medicine Manufacturing Pharmaceutical and Medicine Manufacturing
	325311	Nitrogenous Fertilizer Manufacturing
	325312	Phosphatic Fertilizer Manufacturing
	325314	Fertilizer (Mixing Only) Manufacturing
	32532	Pesticide and Other Agricultural Chemical Manufacturing
	3254	Pharmaceutical and Medicine Manufacturing/War \/
	32541	Pharmaceutical and Medicine Manufacturing
	325411	Medicinal and Botanical Manufacturing
	325412	Pharmaceutical Preparation Manufacturing
	325413	In-Vitro Diagnostic Substance Manufacturing
,	325414	Biological Product (except Diagnostic) Manufacturing
	3255	Paint, Coating, and Adhesive Manufacturing
	32551	Paint and Coating Manufacturing
	32552	Adhesive Manufacturing
	3256	Soap, Cleaning Compound, and Toilet Preparation Manufacturing

	32561	Soap and Cleaning Compound Manufacturing
	325611	Soap and Other Detergent Manufacturing
	325612	Polish and Other Sanitation Good Manufacturing
	325613	Surface Active Agent Manufacturing
	32562	Toilet Preparation Manufacturing
	3259	Other Chemical Product and Preparation Manufacturing
	32591	Printing Ink Manufacturing
K	-32592	Explosives Manufacturing •••
•	32599	All Other Chemical Product and Preparation Manufacturing
	325991	Custom Compounding of Purchased Resins
	325992	Photographic Film, Paper, Plate, and Chemical Manufacturing
	325998	All Other Miscellaneous Chemical Product and Preparation Manufacturing

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