



R e P O R T

Office of Institutional Advancement

2006 - 2007

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SOUTHWESTERN COLLEGE Grants and Development

GRANTS and CONTRACTS

ANNUAL REPORT

FY 2006 - 2007

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Grants and Development



SOUTHWESTERN COLLEGE

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GRANTS AND CONTRACTS

Fiscal Year 2006-07

ANNUAL REPORT

Southwestern College (SWC) received over \$2.37 million in supplemental funding to support twenty-four (24) projects that otherwise would not have been possible through the College's state appropriations. Projects spanned the following:

- Workforce preparation and economic development activities for educationally and economically disadvantaged populations;
- Outreach activities that orient low-income middle and high school students to post-secondary education;
- Innovative curriculum and program development activities to improve student learning; and
- Community and business/industry partnerships that strengthen College programs, advance its mission and provide opportunities for enriched student learning.

The following schools and programs represent College entities that have obtained grant funds during Fiscal Year 2006-07. Examples of grant-funded projects within the respective schools and programs are listed below.

ACADEMIC AFFAIRS

HIGHER EDUCATION CENTER AT NATIONAL CITY (HEC)

Microenterprise Family Child Care Business Program (9/28/05-9/28/08)

The U.S. Department of Housing and Urban Development (HUD) granted three-year (2005-2008) funding in the amount of \$600,000 under the Hispanic Serving Institutions Assisting Communities Program, for the project entitled, "Microenterprise Family Child Care Business Program." This project focuses on education and training that will enable students to open their own licensed home-based child care business. This program received year two funding in the amount of \$208,573.

SCHOOL OF CONTINUING EDUCATION, ECONOMIC & WORKFORCE DEVELOPMENT

Small Business Development Center (SBDC Region Center) – U.S. Small Business Administration

The Small Business Development Center Network (SBDC Network) provides programmatic, administrative, and fiscal oversight of three SBDC's delivering counseling and training to small businesses throughout San Diego and Imperial Counties. Over 100 community, business, and government partnerships are in place through the Network. In fiscal year 2006-07, the Network provided 1,739 entrepreneurs with managerial consulting, provided training to 1,652 attendees, and held 195 seminars on various business topics. These services led to the start-up of 55

business ventures, 127 new jobs, and 40 jobs retained. Funding for 2007 was provided by the U.S. Small Business Administration in the amount of \$790,918.

San Diego Contracting Opportunities Center - City of San Diego/Defense Logistics Agency/SANDAG/Unified Port of San Diego

The San Diego Contracting Opportunities Center (SDCOC) assists small businesses in competing for government contract awards by providing services such as educational workshops, government contract counseling, and bid/solicitation services. The SDCOC budget for the year was \$592,500 with combined grant funding from local government agencies, including competitive grants received in the amount of \$22,800 from the City of San Diego, \$10,000 from the San Diego Association of Governments (SANDAG), \$10,000 from the Unified Port of San Diego and \$292,500 from the Defense Logistics Agency.

The SDCOC provided initial government contracting technical assistance to 275 new clients. It also conducted one or more follow-up counseling sessions with 261 clients. The SDCOC sponsored 48 workshops for small businesses, processed 528 bid packages; and made 13,361 bid plan center client notifications. As a result of these efforts, SDCOC clients attributed \$52,595,636 in government contract awards to the services provided by the SDCOC. These awards resulted in 1,051 full-time and part-time jobs. The average cost per job created was \$143 in local funding. Seventy-nine percent of the contracts received were awarded to "disadvantaged" clients, 49% to women-owned small business clients, while 3.2% were awarded to disabled veteran clients.

Small Business Development Center (SBDC Region Center) - The Veteran's Corporation

Through The Veterans Corporation National Veterans Entrepreneurial Education Initiative grant, the SBDC Network provided counseling and/or training services to veteran entrepreneurs and counseling to disabled/service veterans. Funding was received for 2006-2007 in the amount of \$12,625.

Small Business Development & International Trade Center (SBDITC) - City of San Diego Small Business Enhancement Program (SBEP)

Through the Small Business Enhancement Program (SBEP), the Small Business Development and International Trade Center (SBDITC) received \$22,800 from the City of San Diego for the purpose of assisting San Diego small business owners and potential entrepreneurs to successfully open, expand and/or market their businesses domestically or globally.

Small Business Development & International Trade Center (SBDITC) - City of San Diego Community Development Block Grant (CDBG)

The City of San Diego provided \$9,000 in Community Development Block Grant funds to the SBDITC for the Small Business Training and Technical Assistance Project. The SBDITC outreached to 10 targeted CDBG eligible San Diego small businesses and entrepreneurs with one-on-one technical assistance. In addition, 20 CDBG eligible attendees participated in training sessions on such seminar topics as business start-up, credit repair, financing alternatives and marketing.

Small Business Development & International Trade Center (SBDITC)- U.S. Bank

The U.S. Bank granted SBDITC \$10,000 to launch SDBizlink.com aka ta.com, meeting the County Reinvestment Task Force's vision for providing integrated and monitored technical assistance to the small business community. This collaborative with the City of San Diego SD BizGuide.com includes marketing, printing of the marketing materials, launching the site, taking

care of miscellaneous programming updates and refinements, defraying costs of program coordination, domain registration, Web hosting and bandwidth.

SCHOOL OF HEALTH, EXERCISE SCIENCE, AND ATHLETICS

Boating Safety Scholarship/Training Program/SWC Crown Cove Aquatic Center (7/1/03-6/30/14)

The School of Health, Exercise Science, and Athletics secured \$28,500 from the State of California Department of Boating and Waterways to acquire equipment and provide scholarships for students to learn boating and boat safety training at the Crown Cove Aquatic Center in Coronado. These youth programs are designed to provide affordable boating instruction to the South Bay community. In addition, through these programs, community members are made aware of the alternative possibilities of physical education available at SWC.

Boating & Waterways National Safe Boating Week/SWC Crown Cove Aquatic Center

The School of Health, Exercise Science, and Athletics received \$1,000 in grant funds from the State of California Department of Boating and Waterways in support of the Crown Cove Aquatic Center Annual Open House held on Sunday, May 20, 2007, for National Safe Boating Week. There were approximately 200 people in attendance with 129 adults and children participating in boating safety training and vessel operation.

SCHOOL OF MATHEMATICS, SCIENCE, AND ENGINEERING

A Novel Synthesis and Sintering Process for Nanostructured Oxide and Carbide Ceramic Composites – Subcontract (8/1/05-7/31/08)

SWC's School of Mathematics, Science, and Engineering received \$9,712 from a National Science Foundation subcontract with University of Nevada, Reno for a project entitled, "A Novel Synthesis and Sintering Process for Nanostructured Oxide and Carbide Ceramic Composites." This investigation will explore the chemical environment of composite compounds synthesized inside micelles. This information is necessary in order to optimize the synthesis of the desired materials, which can be controlled by modifying the amounts of reactants.

Software for MicroRNA Detection and Analysis - Subcontract

SWC's School of Mathematics, Science, and Engineering received \$23,142 from Natural Selection, Inc. (San Diego, CA) as a special supplemental SBIR Phase IICC award from the National Science Foundation to apply bioinformatics tools to the large repository of microRNA gene data developed previously by Natural Selection, Inc. Staff and students assisted with computer analysis of computational predictions.

Biotechnology Education & Training Sequence Investment (BETSI) (7/1/04-6/30/07)

SWC's School of Mathematics, Science, and Engineering received a grant from the National Science Foundation in the amount of \$450,000 for the Biotechnology Education and Training Sequence Investment (BETSI) Project. Over the three-year BETSI Project grant period, more than 3,000 Sweetwater Union High School District (SUHSD) students accessed challenging biotechnology instruction, worked to rigorous yearly benchmarks and had the support to meet those expectations. During the same period, a total of 12 SUHSD science teachers received intensive professional development at summer and fall institutes to upgrade their content knowledge and biotechnology instructional strategies. The BETSI Project sustained that training with opportunities for peer collaboration and vertical teaming throughout the year. SUHSD teacher cohorts created model lesson plans and presented those lessons to each new

cohort for review and refinement. This program received year three funding in the amount of \$106,401.

Bridges to the Baccalaureate Program – Subcontract (9/1/04-8/31/07)

SWC's School of Mathematics, Science, and Engineering received \$5,000 from the San Diego State University (SDSU) Foundation for its Bridges to the Baccalaureate program, with the goal of increasing the academic success and transfer rate of ethnically underrepresented students with majors related to biomedical science.

Characterization of Glass Holographic Gratings in the Mid to Far Infrared Range - Subcontract

SWC's School of Mathematics, Science, and Engineering received \$30,000 in a subcontract agreement with Ondax Inc. for its National Science Foundation SBIR Phase IICC Supplemental Grant for a project entitled, "Characterization of Glass Holographic Gratings in the Mid to Far Infrared Range." The project will allow two SWC students to be paid to engage in authentic research activities and collaborate with a successful small business enterprise. The funds will also support travel to major conferences where the students will be given opportunities to present research results.

Geographic Information Systems (GIS) Science Technology Program (7/15/05-6/30/08)

The National Science Foundation (NSF) granted Southwestern College \$249,995 to develop a Geographic Information Science Program. The GIS technology program at SWC emphasizes the theories and applications of GIS (using state-of-the-art hardware and software) typical in industry and academia. The atmosphere of cutting edge facilities combined with strong institutional support and cross-discipline collaboration lends itself very well to the establishment of a high quality program in GIS Technology. This program received year two funding in the amount of \$73,798.

High-Throughput Direct Structural Screening for Drug Lead Compounds - Subcontract

SWC's School of Mathematics, Science, and Engineering received \$30,000 from Natural Selection, Inc. (San Diego, CA) as a subcontractor on a U.S. Army Phase I STTR grant for computational research in search of novel malaria inhibitors.

SCHOOL OF TECHNOLOGY AND HUMAN SERVICES

Nursing Capacity Building Program (4/1/06-8/31/08)

SWC received \$271,872 in year two funding from the California Community Colleges Chancellor's Office for the Capacity Building for Nursing Program to expand its current nursing program by twenty (20) students to meet the local nursing shortage. This grant will enable SWC to expand its outstanding nursing program by creating a high quality alternative evening/weekend program for prospective students on the two-year waiting list.

Nurse Training & Education

Scripps Health Community Benefit Fund granted \$25,000 to the SWC Associate Degree Nursing program for its Nursing Training and Education Collaboration. The intent of the collaboration is to address the crucial nursing faculty shortage by giving registered nurses who work at Scripps Mercy Chula Vista an opportunity to teach with an SWC faculty member, to lessen the burden of training for the nursing staff at Scripps Mercy Chula Vista, and to build a culturally diverse and competent nursing staff critical to both Scripps Mercy Chula Vista and to SWC's Nursing Program.

Workforce Investment Act Governor's Discretionary Fund Nurse Education Initiative for Associate Degree Nursing – Subcontract (6/1/06-6/30/10)

SWC's School of Technology and Human Services received \$76,800 in year two funding to participate in a collaborative grant program entitled, "Regional Nursing Education Partnership of San Diego and Imperial Counties" to expand nursing student enrollment and related support services along with three other partner colleges: Grossmont College, Imperial Valley College, and San Diego City College. SWC is required to admit an additional twenty (20) nursing students each year for four years.

STUDENT AFFAIRS

STUDENT ACTIVITIES AND HEALTH SERVICES

Early Learning & School Readiness AmeriCorps Program (ELSRAP) (8/1/06-12/31/09)

SWC's Student Activities and Health Services received funds from the Foundation for California Community Colleges in the amount of \$48,036 for the Early Learning & School Readiness AmeriCorps Program (ELSRAP). The focus of SWC's ELSRAP program targets school readiness for preschoolers entering kindergarten. In addition, the services of neighborhood school readiness centers are strengthened by providing additional programs and services to children and their parents. Parent training is provided and long-term volunteers are recruited to serve in neighborhood school readiness centers.

OUTREACH

Gaining Early Awareness & Readiness for Undergraduate Programs (GEAR UP) – Subcontract (9/1/05-8/30/11)

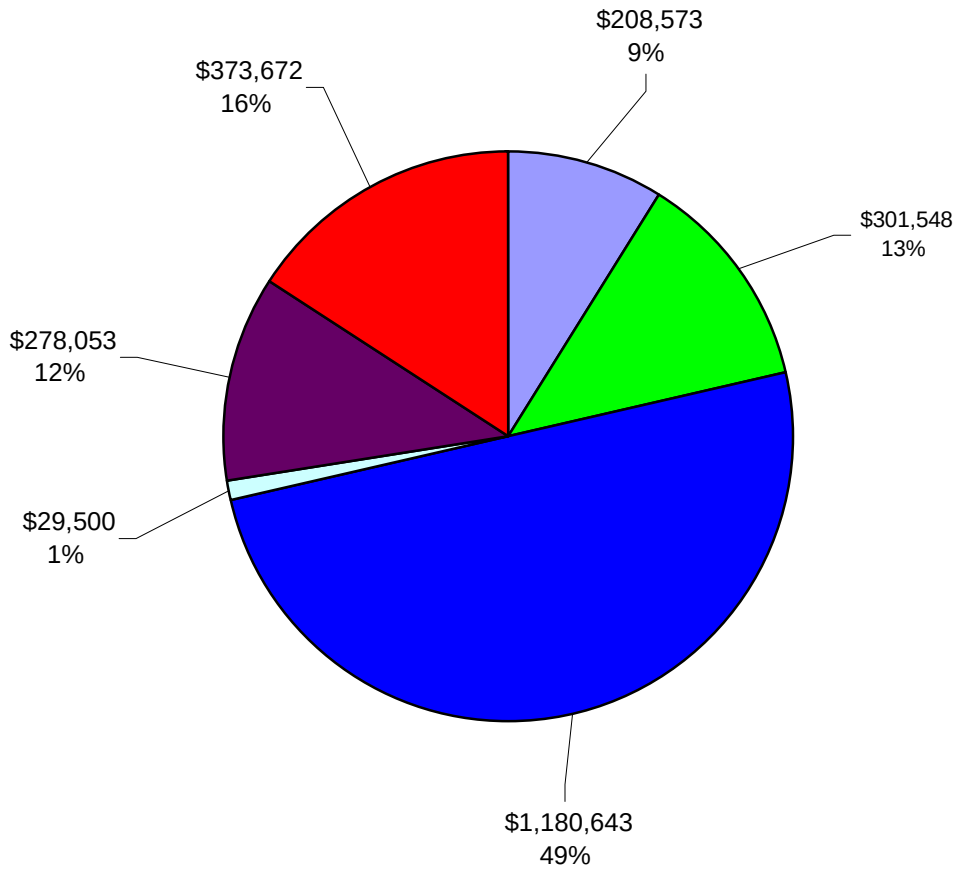
The Sweetwater Union High School District subcontracted with Southwestern College for year two funding in the amount of \$253,512 in support of U.S. Department of Education Gaining Early Awareness and Readiness for Undergraduate Programs. This six-year program targets high poverty middle and high school students and is designed to increase the number of low income students who are prepared to enter post-secondary education.

Table 1
Grants/Contracts Summary Report
Fiscal Year 2006-07

Grant Title	Project Director/ Supervisor	Amount Awarded	Funding Source	Grant Recipient
A Novel Synthesis and Sintering Process for Nanostructured Oxide and Carbide Ceramic Composites	Brown/Tyner	\$9,712 (subcontract)	University of Nevada, Reno	SWC
AmeriCorps Early Learning & School Readiness (ELSRAP)	Ricasa-Bagaporo/ McClellan	\$48,036	Foundation for California Community Colleges	SWC
Software for MicroRNA Detection and Analysis (formerly known as Bioinformatics Analysis of Micro RNA)	Hecht/Tyner	\$23,142 (subcontract)	Natural Selection Inc.	SWC
Biotechnology Education & Training Sequence Investment (BETSI)	Bakhiet/Tyner	\$106,401	National Science Foundation	SWC
Boating Safety Scholarship/Training Program/SWC Crown Cove Aquatic Center	Jacobs/Davis	\$28,500	Department of Boating & Waterways State of California	SWC
Boating & Waterways National Safe Boating Week	Jacobs/Davis	\$1,000	Department of Boating & Waterways State of California	SWC
Bridges to the Baccalaureate Program	Bakhiet/Tyner	\$5,000 (subcontract)	San Diego State University (SDSU) Foundation	SWC
Characterization of Glass Holographic Gratings in the mid to far Infrared Range	Brown/Tyner	\$30,000 (subcontract)	Ondax, Inc.	SWC
Gaining Early Awareness & Readiness for Undergraduate Programs (GEAR UP)	Poveda/Sandoval	\$253,512 (subcontract)	Sweetwater Union High School District	SWC
Geographic Information Systems (GIS) Science Technology Program	Yanow/Tyner	\$73,798	National Science Foundation	SWC
High-Throughput Direct Structural Screening for Drug Lead Compounds	Hecht/Tyner	\$30,000 (subcontract)	Natural Selection Inc.	SWC
Microenterprise Family Child Care Business Program	Nagura/Kinney	\$208,573	Housing and Urban Development (HUD) – Hispanic Serving Institutions Assisting Communities (HSIAC)	SWC
Nursing Capacity Building Program	McJannet/Axsom	\$271,872	Chancellor's Office California Community Colleges	SWC
Nurse Training & Education	McJannet/Axsom	\$25,000	Scripps Health Community Benefit Fund	SWC
San Diego Contracting Opportunity Center (SDCOC)	Schalin/Wylie	\$22,800 \$292,500 \$10,000 \$10,000	City of San Diego SBEP Defense Logistics Agency (DLA) SANDAG Unified Port of San Diego	SWC SWC Foundation SWC SWC
Small Business Development and International Trade Center (SBDITC) - SBDC Region Center - SBDC Region Center - SBDITC City of SD - SBDITC U.S. Bank - SBDITC City of SD	Trujillo/Wylie Trujillo/Wylie Castillo/Wylie Castillo/Wylie Castillo/Wylie	\$790,918 \$12,625 \$22,800 \$10,000 \$9,000	U.S. Small Business Administration The Veteran's Corp City of San Diego SBEP U.S. Bank Community Development City of San Diego CDBG	SWC SWC SWC Foundation SWC Foundation SWC
Workforce Investment Act Governor's Discretionary Fund Nurse Education Initiative for Associate Degree Nursing	McJannet/Axsom	\$76,800 (subcontract)	Chancellor's Office California Community Colleges/Grossmont Community College District	SWC
GRAND TOTAL		\$2,371,989		

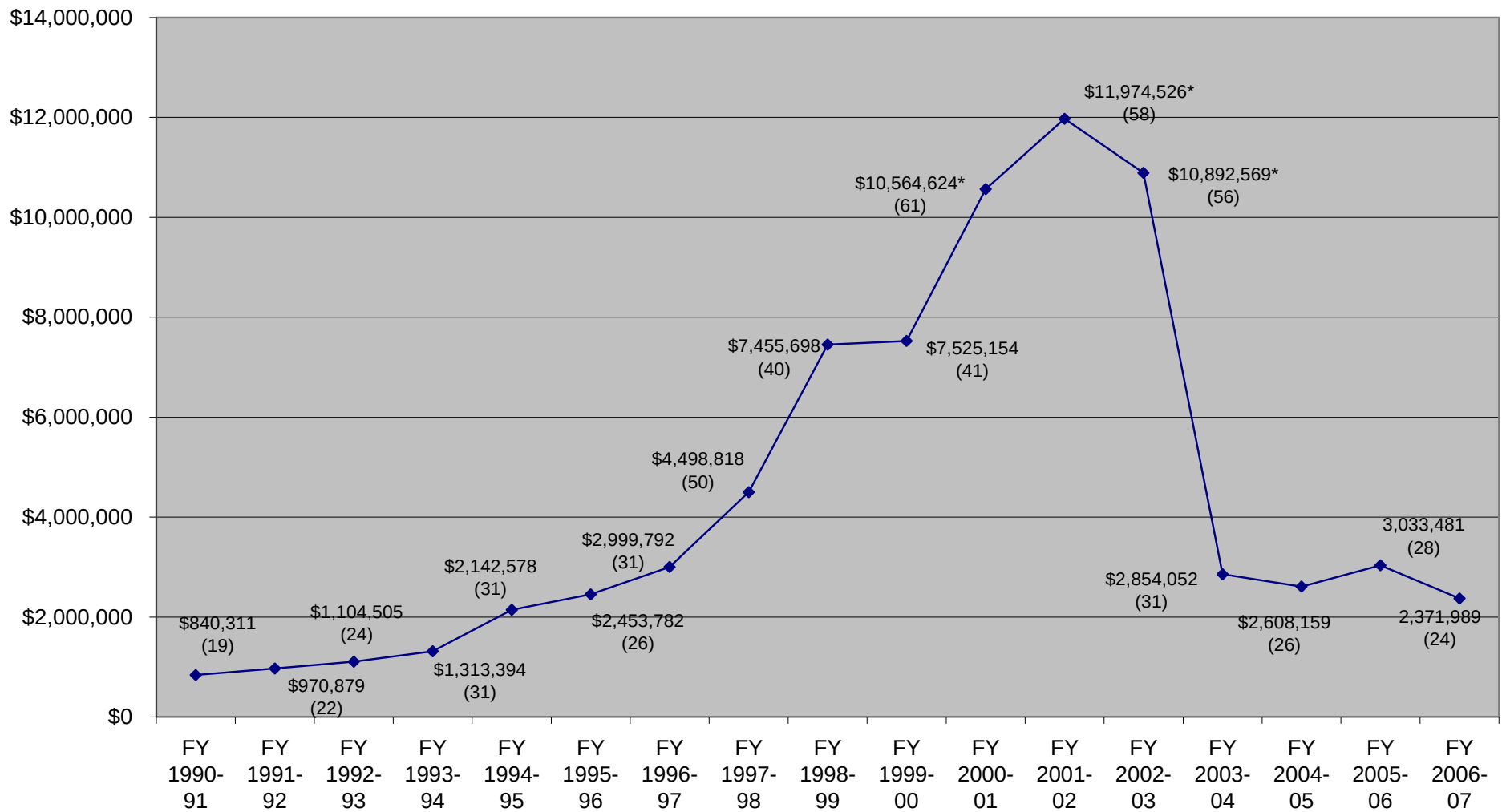
Figure 1

**SWC Grant Awards by
School/Department
Fiscal Year 2006-07**



- Higher Education Center, National City
- Office of Student Affairs (Student Activities & Health Services/Outreach)
- School of Continuing Education, Economic & Workforce Development
- School of Health, Exercise Science & Athletics
- School of Math, Science & Engineering
- School of Technology and Human Services

Figure 2
SWC History of Grant Awards
Fiscal Year 1990-91 through Fiscal Year 2006-07



Please note: Amounts in parentheses indicate the number of grant awards.

*The rise in activity for fiscal years 1998-99 through 2002-03 includes the combined total of competitive and non-competitive grant awards.

SOUTHWESTERN COLLEGE

Grants and Development

GRANTS and CONTRACTS INDIRECT COST REPORT

FISCAL YEAR 2006-07



Prepared by:
Linda Gilstrap, Director of Grants and
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Gail Brown, Grants Technician
Date: September 12, 2007

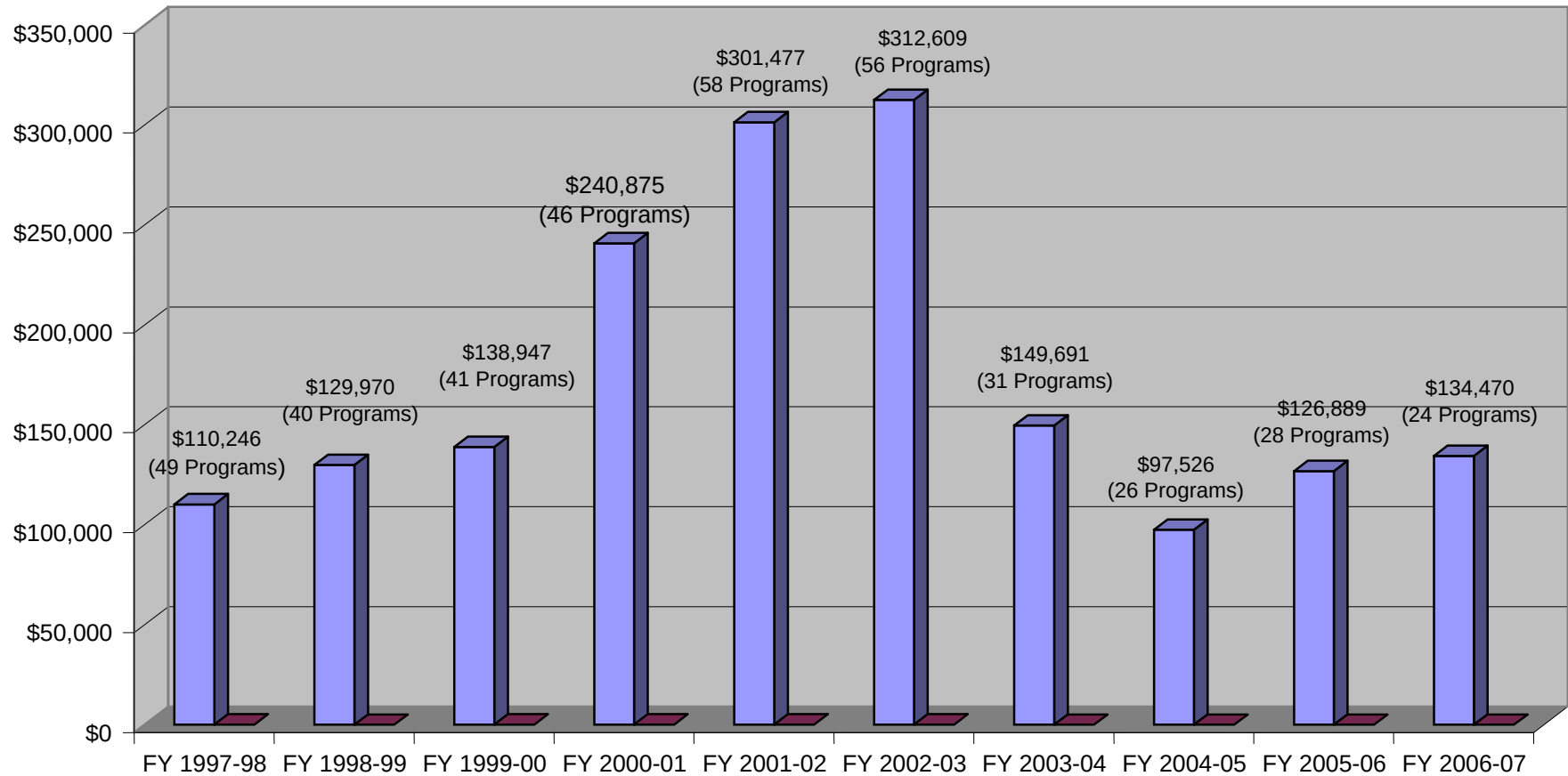
Grants and Contracts Indirect Cost Report Fiscal Year 2006-07

Grant Title	Project Director/ Supervisor	Amount Awarded	Funding Source	Maximum Allowable Indirect Cost Rate	Amount of Indirect rate	Source of Funding
A Novel Synthesis and Sintering Process for Nanostructured Oxide and Carbide Ceramic Composites	Brown/Tyner	\$9,712	University of Nevada, Reno	10%	\$883	State
AmeriCorps Early Learning & School Readiness (ELSRAP)	Ricasa-Bagaporo/ McClellan	\$48,036	Foundation for California Community Colleges	8%	\$8,376	State
Software for MicroRNA Detection and Analysis (formerly known as Bioinformatics Analysis of Micro RNA)	Hecht/Tyner	\$23,142 (subcontract)	Natural Selection Inc.	8%	\$1,714	Private
Biotechnology Education & Training Sequence Investment (BETSI)	Bakhiet/Tyner	\$106,401	National Science Foundation	5%	\$9,652	Federal
Boating Safety Scholarship/Training Program/SWC Crown Cove Aquatic Center	Jacobs/Davis	\$28,500	Department of Boating & Waterways State of California	-0-	-0-	State
Boating & Waterways National Safe Boating Week	Jacobs/Davis	\$1,000	Department of Boating & Waterways State of California	-0-	-0-	State
Bridges to the Baccalaureate Program	Bakhiet/Tyner	\$5,000 (subcontract)	San Diego State University (SDSU) Foundation	-0-	-0-	Local
Characterization of Glass Holographic Gratings in the mid to far infrared Range	Brown/Tyner	\$30,000 (subcontract)	Ondax, Inc. (National Science Foundation)	-0-	-0-	Private
Gaining Early Awareness & Readiness for Undergraduate Programs (GEAR UP)	Poveda/Sandoval	\$253,512 (subcontract)	Sweetwater Union High School District (U.S. Department of Education)	8%	\$20,865	Local
Geographic Information Systems (GIS) Science Technology Program	Yanow/Tyner	\$73,798	National Science Foundation	10%	\$7,380	Federal
High-Throughput Direct Structural Screening for Drug Lead Compounds	Hecht/Tyner	\$30,000 (subcontract)	Natural Selection, Inc.	8%	\$2,400	Private
Microenterprise Family Child Care Business Program	Nagura/Kinney	\$208,573	Housing and Urban Development (HUD) – Hispanic Serving Institutions Assisting Communities (HSIAC)	10%	\$20,857	Federal
Nursing Capacity Building Program	McJannet/Axsom	\$271,872	Chancellor's Office California Community Colleges	4%	\$10,457	State
Nurse Training & Education	McJannet/Axsom	\$25,000	Scripps Health Community Benefit Fund	-0-	-0-	Private
San Diego Contracting Opportunity Center (SDCOC)	Schalin/Wylie	\$22,800 \$292,500 \$10,000 \$10,000	City of San Diego (SBEP) Defense Logistics Agency (DLA) SANDAG Unified Port of San Diego	-0- 8% 8% 8%	-0- \$23,400 \$741 \$2,778	Local Federal Local Local
Small Business Development and International Trade Center (SBDITC)						
▪ SBDC Region Center ▪ SBDC Region Center ▪ SBDITC City of San Diego ▪ SBDITC City of San Diego ▪ SBDITC U.S. Bank	Trujillo/Wylie Trujillo/Wylie Castillo/Wylie Castillo/Wylie Castillo/Wylie	\$790,918 \$12,625 \$22,800 \$9,000 \$10,000	U.S. Small Business Administration The Veteran's Corp. City of San Diego (SBEP) City of San Diego (CDBG) U.S. Bank Community Development	4% -0- -0- 8% -0-	\$17,975 -0- -0- \$6,992 -0-	Federal Federal Local Local Private
Workforce Investment Act Governor's Discretionary Fund Nurse Education Initiative for Associate Degree Nursing	McJannet/Axsom	\$76,800 (subcontract)	Chancellor's Office California Community Colleges/Grossmont Community College District	-0-	-0-	Local
GRAND TOTAL		\$2,371,989		Total Indirect:	\$134,470	

Grants/Contracts Indirect and Administrative Cost Analysis

Fiscal Years
1997-98 through 2006-07

Dollars Recouped



Please note: Amounts in parentheses indicate the number of grant awards.

The rise in activity for fiscal years 1998-99 through 2002-03 includes the combined total of competitive and non-competitive grant awards.